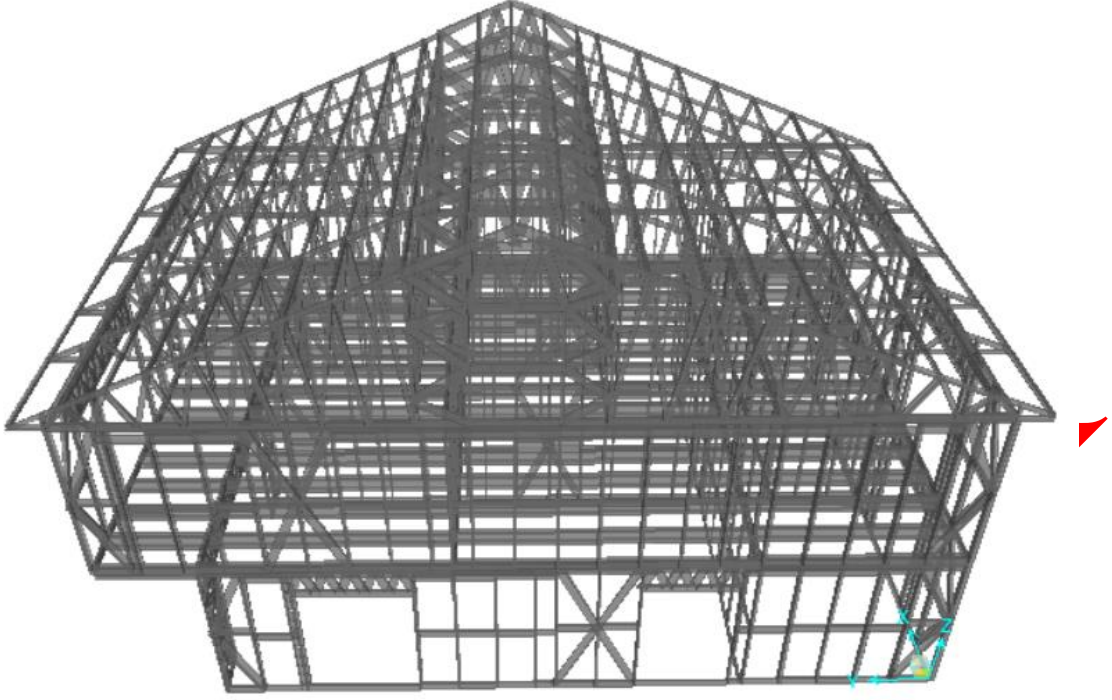


MEK

Levent Göktaş Çelik Binası
(İki Katlı Hafif Çelik Bina)
STATİK HESAP RAPORU

STATİK



SAP2000 V20.2.0 3D PERSPEKTİF GÖRÜNÜŞÜ

Hesaplar Sap2000V.20.2.0 programı kullanılarak yapılmıştır.



PROGRAMIN ADI : SAP 2000

SÜRÜMÜ : Versiyon 20.2.0

MÜELLİFİ : Computers & Structures

GENEL

ÖZELLİKLERİ

Yapıların Sonlu Elemanlarla Çözümleme ve Boyutlama için Yazılımı

Kullanılan Normlar

- TS 498 Yapı elemanlarının boyutlandırılmasında kullanılacak yüklerin hesap değeri
- Çelik Yapıların Tasarım, Hesap ve Yapım Esasları (AISC-360-10)
- TS 500 Betonarme yapıların hesap ve yapım kuralları
- TS 3233 Çekme Çubuklarında Kenetlenme Hesabı
- TBDY 2018 Türkiye Bina Deprem Yönetmeliği
- ÇYTHYE-2016 UYGULAMA KILAVUZU
- ÇYTHYE-2016: ÇELİK YAPILARIN TASARIM, HESAP VE YAPIM ESASLARI
- AISC-ASD89 American Institute of Steel Construction – Allowable Stress Design 1989
- DIN 18800 Alman çelik yapı normu
- DIN EN 1990 Eurocode 0: Basis of structural design
- DIN EN 1990/A1 Eurocode 0: Basis of structural design,Düzenlemeler 1
- DIN EN 1991-1-1 Eurocode 1: General actions
- TS EN 1991-1-1 Eurocode 1: Yapılar üzerindeki etkiler
- DIN EN 1991-1-3 (2004) Eurocode 1: Kar yükleri
- TS EN 1991-1-3 Eurocode 1: Kar yükleri
- DIN EN 1991-1-4 (2005) Eurocode 1: Rüzgar yükleri
- TS EN 1991-1-4 Eurocode 1: Rüzgar yükleri
- DIN EN 1993-1-1 Eurocode 3: General rules and rules for buildings
- DIN EN 1998-1 Eurocode 8: Deprem Yönetmeliği

Yukarıda belirtilen normlarda yer almayan bilgilerin olması durumunda, ilaveten avrupa, alman ve türk normlarına ve literatürüne başvurulmuştur.

1. RAPOR ÖZETİ :

İki katlı hafif çelik profillerden teşkil edilecek olan bu yapının statik hesabı Sap2000 programı kullanılarak yapılmıştır.

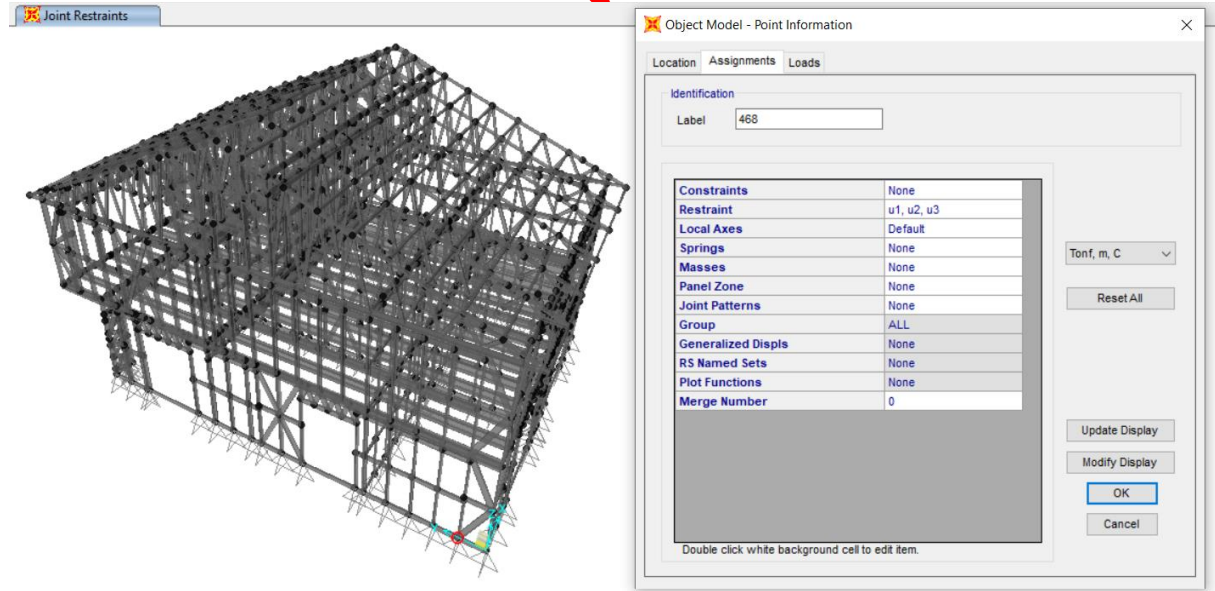
Yapı Bursa İlinde Osmangazi ilçesinde Nilüfer mahallesinde kurulacaktır.

Yapıyı oluşturan elemanlar statik olarak perde gibi davrandığından raporun ilerleyen safhalarında da görüleceği üzere temel tasarımı yapılırken zımbalama tahkikine gerek duyulmayacaktır. Yapının dinamik analizi yapılırken, bulunduğu zemine bağlı periyot kıyaslaması ve yorumlaması yine ayrıntılı şekilde işlenecektir. Yapının dizaynı yapılırken yatay yükler (deprem, rüzgar) kıyaslanacak ve en olumsuz olanı seçilerek dizayna devam edilecektir.

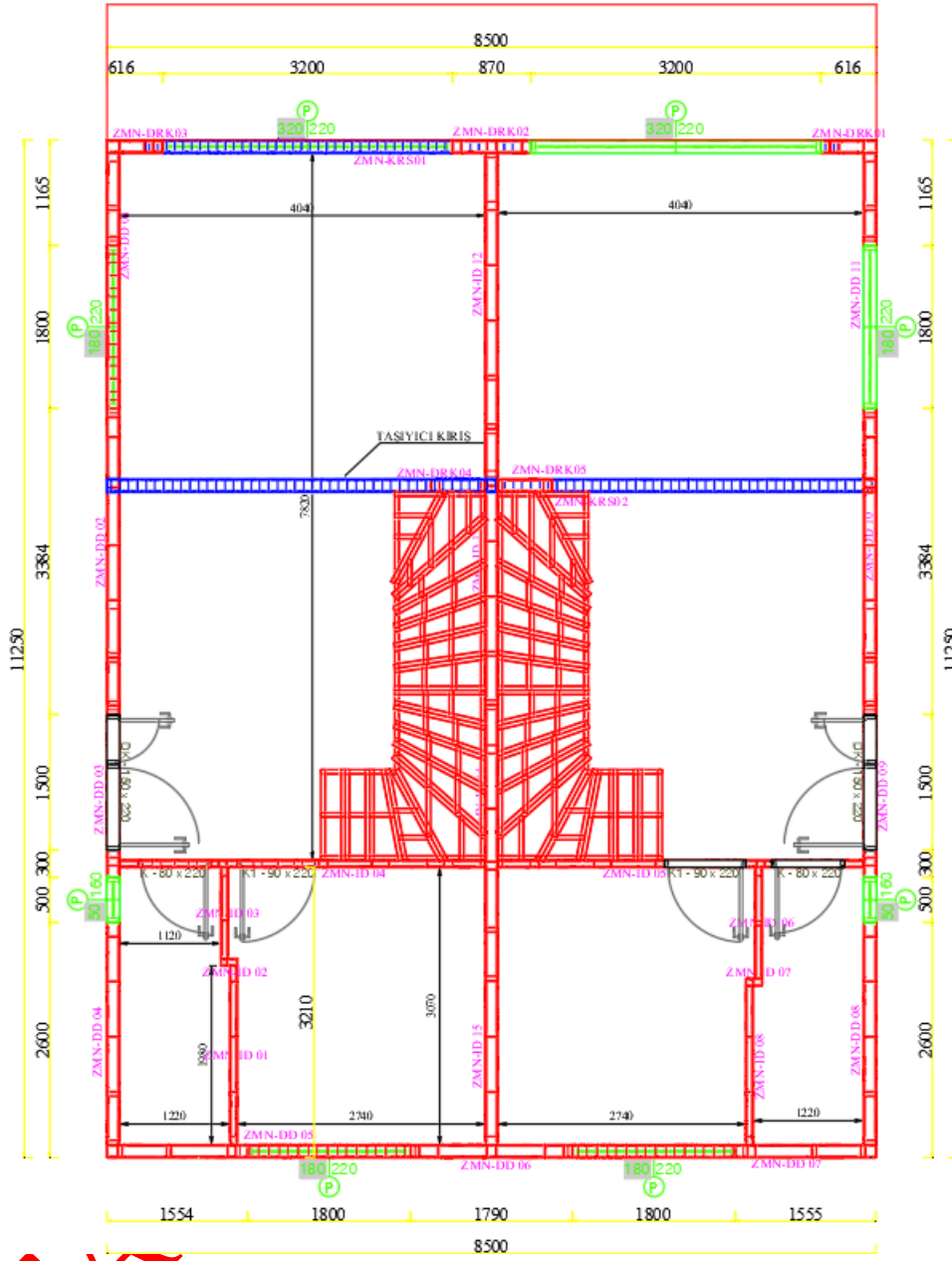
Sehim Kriterleri :

- Kolon başı (her iki yönde) hkolon/250
- Kiriş ve aşıklar (her iki yönde) lkiriş/300
- Konsol (düşeyde) lKonsol/200
- Konsol sonu (yatayda) lKonsol/100

Sistem Kolon Mesnetlenme Şekli :

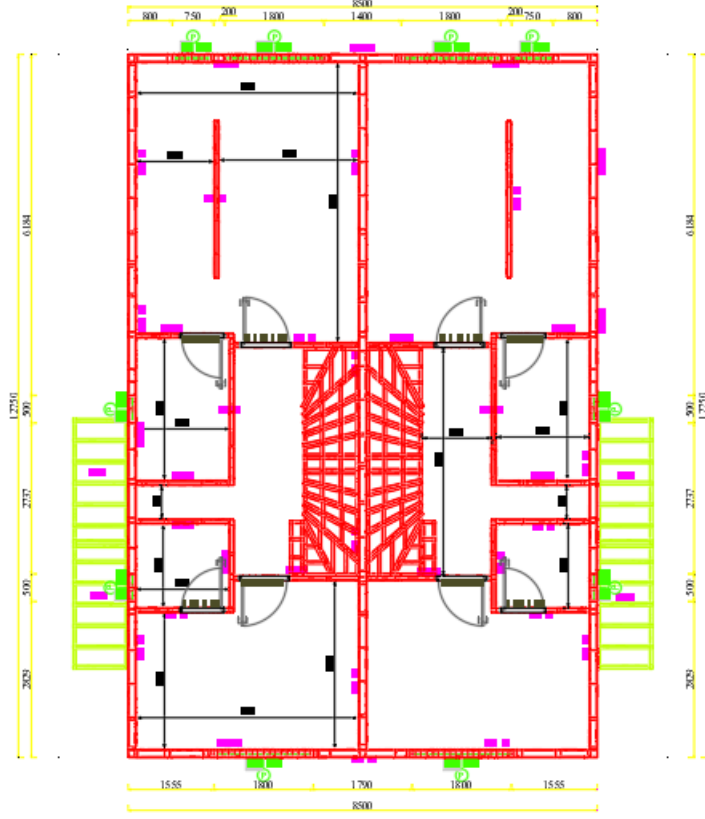


Mimari Plan Görünüşleri



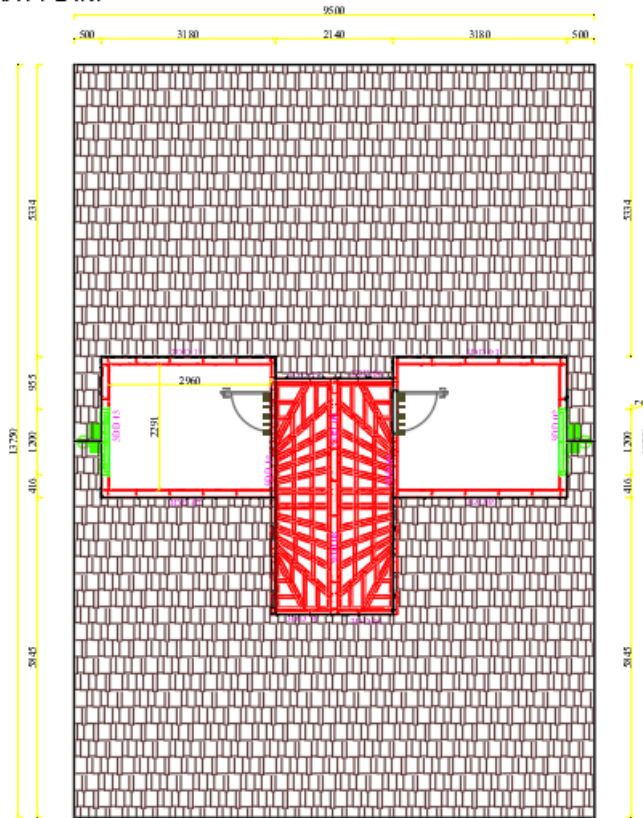
STA

1



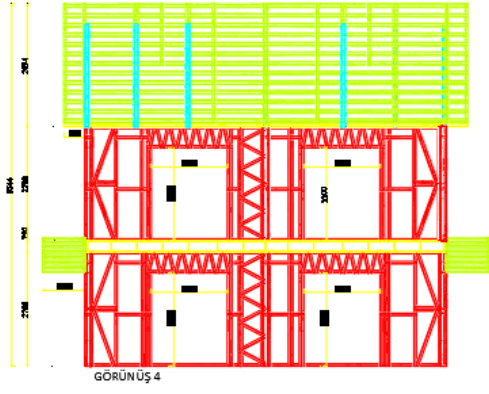
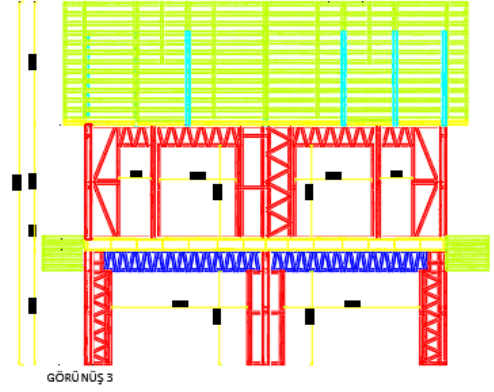
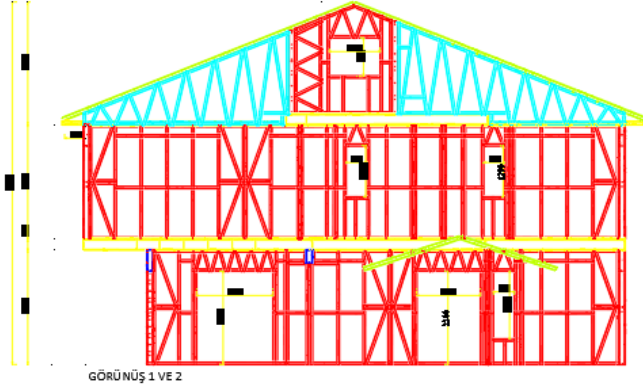
TEK

İKİNCİ KAT PLANI



STA

Hafif Çelik Cephe Görünüşleri



Yapı kısa doğrultuda : 8,50m

Yapı uzun doğrultuda : 12,750m

STATİK RAJ

2. TEMEL KABULLER :

2.1 Birimler

Gerek tasarımda gerekse hesaplarda SI uluslar arası ölçü birim sistemi kullanılmıştır.

Uzunluk (m)

Yükler (ton)

Ağırlık (ton)

Kütle (ton.sn²/m)

Moment (ton.m)

Gerilme (ton/m²)

2.2 Malzeme

Yapı Çeliği

Duvar, Kolon, Kiriş ve Makas Malzemeleri : **DX51D** olarak tasarlanmıştır.

Mekanik Özellikler							
Çelik Kalitesi		Kaplama Cinsi Sembolü	R _{p0.2} MPa Akma Mukavemeti	R _m ¹ MPa Çekme Mukavemeti	A ₈₀ ² Kopma Uzaması	r ₉₀ ³	n ₉₀₃
Kalite	Malzeme No		N/mm ²	N/mm ²	min. %	min.	min.
DX51D	1.0226	+Z, +ZF, +ZA, +AZ, +AS	-	270 – 500	22	-	-
DX52D	1.0350	+Z, +ZF, +ZA, +AZ, +AS	140 – 300 ³	270 – 420	26	-	-
DX53D	1.0355	+Z, +ZF, +ZA, +AZ, +AS	140 – 260	270 – 380	30	-	-
DX54D	1.0306	+Z, +ZF, +ZA, +AZ, +AS	120-220	260-350	36	1.4 ⁴	0.18
DX56D	1.0322	+Z, +ZA	120-180	260-350	39	1.9 ⁴	0.21
DX56D	1.0322	+ZF	120-180	260-350	37	1.7 ^{4 5}	0.20 ⁵
DX56D	1.0322	+AS	120-180	260-350	39	1.7 ^{4 5}	0.20 ⁵

Yapı Elemanlarında Emniyet Gerilmeleri (kg/cm²)

	Gerilmenin Cinsi	MALZEME							
		St 33		St 37		St 52		St 44	
		YÜKLEME							
		H	HZ	H	HZ	H	HZ	H	HZ
1	Basınç ve eğilme basınç gerilmeleri (DIN 4114 e göre burkulma ve yanal burkulma tahkiki lüzümlü ise	1200	1400	1400	1600	2100	2400	1700	1950
2	Çekme, eğilme çekme ve burkulma yapılmayacak şekilde bağlanmış eğilme basınç gerilmesi	1400	1600	1600	1800	2400	2700	1950	2200
3	Kayma gerilmesi	900	1050	900	1050	1350	1550	1150	1350
4	Perçin ve bulon deliklerinde elastisite teorisine göre hesaplanan en büyük gerilmeler	2800	3200	2800	3200	4200	4800	3400	3900

Birleşim elemanları (Somun ve Vidalar)

Tüm birleşimlerde 10.9 (eski 10K) ve 8.8 kalitesindeki yüksek mukavemetli bulonları kullanılacaktır. Birleşim çeşidi SL' dir. Ankraj bulonları 5.6 A.B kalitesinde seçilmiştir.

Normal bulonlara ait emniyet gerilmeleri (kg/cm²)

Bulon Cinsi	Uygun Bulonlar				Kaba Bulonlar		Ankraj Bulonları			
	St 37		St 52				4.6 (4D)		5.6 (5D)	
Ana Malzeme	4.6 (4D)		5.6 (5D)		4.6 (4D)		4.6 (4D)		5.6 (5D)	
Bulon Malzemesi	4.6 (4D)		5.6 (5D)		4.6 (4D)		4.6 (4D)		5.6 (5D)	
Yükleme Hali	H	HZ	H	HZ	H	HZ	H	HZ	H	HZ
Makaslama em ger, τ_{sem}	1400	1600	2100	2400	1120	1260				
Ezilme em ger, σ_{lem}	2800	3200	4200	4800	2400	2700				
Çekme em ger, σ_{zem}	1120	1120	1500	1500	1120	1120	1120	1120	1500	1500

SL ve SLP birleşimlerinde τ_{sem} ve σ_{zem} gerilmeleri (kg/cm²)

Birleşim	SL		SLP	
	H	HZ	H	HZ
Yükleme Hali				
τ_{sem}	2400	2700	2800	3200
σ_{zem}	3,6	4,1	3,6	4,1

SL ve SLP birleşimlerinde σ_{lem} emniyet gerilmeleri (kg/cm²)

Birleşim		Birleştirilen Yapı Elemanlarının Malzemeleri			
		St 37		St 52	
		Yükleme Hali			
Çeşidi	Öngerilme	H	HZ	H	HZ
SL	0	2800	3200	4200	4700
	> 0,5Pv	3800	4300	5700	6400
SLP	0	3200	3600	4800	5400
	> 0,5Pv	4200	4700	6300	7100

10.9 çeliği, kopma mukavemeti $\sigma_B = 10 \times 10 = 100 \text{ kg/mm}^2$ ve $\epsilon = 0,2$ birim uzamasına karşın gerilmesi $\sigma_{0,2} = 0,9 \times 100 = 90 \text{ kg/mm}^2$ olan çeliktir.

8.8 çeliği, kopma mukavemeti $\sigma_B = 8 \times 10 = 80 \text{ kg/mm}^2$ ve $\epsilon = 0,2$ birim uzamasına karşın gerilmesi $\sigma_{0,2} = 0,8 \times 80 = 64 \text{ kg/mm}^2$ olan çeliktir

5.6 çeliği, kopma mukavemeti $\sigma_B = 5 \times 10 = 50 \text{ kg/mm}^2$ ve akma sınırı $\sigma_F = 0,6 \times 50 = 30 \text{ kg/mm}^2$ olan çeliktir.

3. YÜK ANALİZİ

3.1 Düşey Yükler :

Çatı Yük Analizi :

Ölü Yük(Çatı üzerindeki kaplama).....	= 0,025t/m ²
Konstrüksiyon.....	= (Program kendi hesaplamaktadır.)
Kar.....	= 0,075 t/m ²
Hareketli Yük.....	= 0,200t/m ²
Arakat Kaplama Yüğü.....	= 0,050t/m ²

Normal Kat Yük Analizi :

Ölü Yük(Çatı üzerindeki kaplama).....	= 0,025t/m ²
Konstrüksiyon.....	= (Program kendi hesaplamaktadır.)
Hareketli Yük.....	= 0,200t/m ²
Arakat Kaplama Yüğü.....	= 0,050t/m ² Kar

3.2 Rüzgar Yükleri :

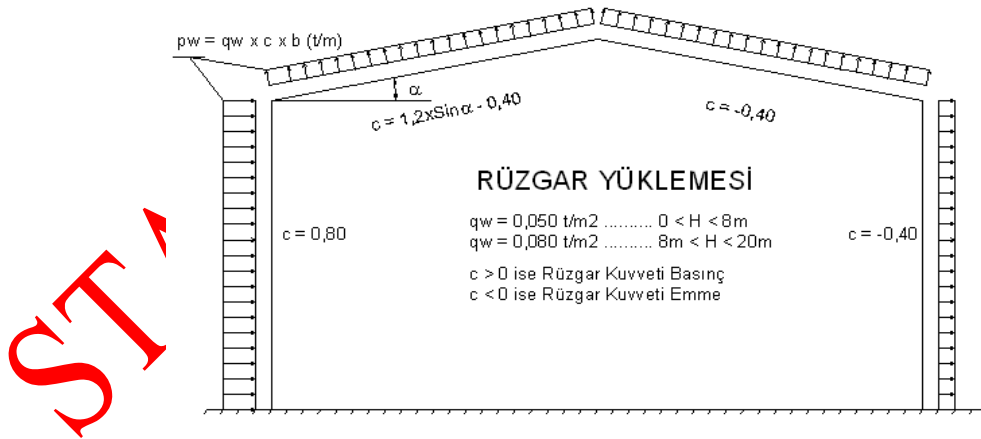
TS 498 standardına göre yüksekliğe bağlı olarak emme:

0 m - 8 m

$$q = 0,50 \text{ kN/m}^2$$

8 m – 20 m

$$q = 0,80 \text{ kN/m}^2$$

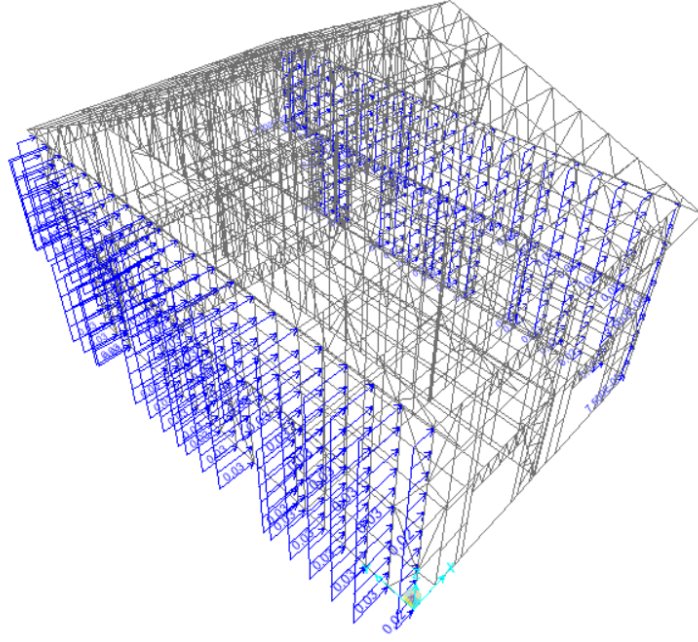


Rüzgar yükü olarak metrekareye 50 kg/m² alınmıştır.(TSE498)

Rüzgar Yüklerinin Yapıya Etki Ettirilmesi :

RXP (X yönündeki pozitif rüzgar yükü) : (50 kg/m²)

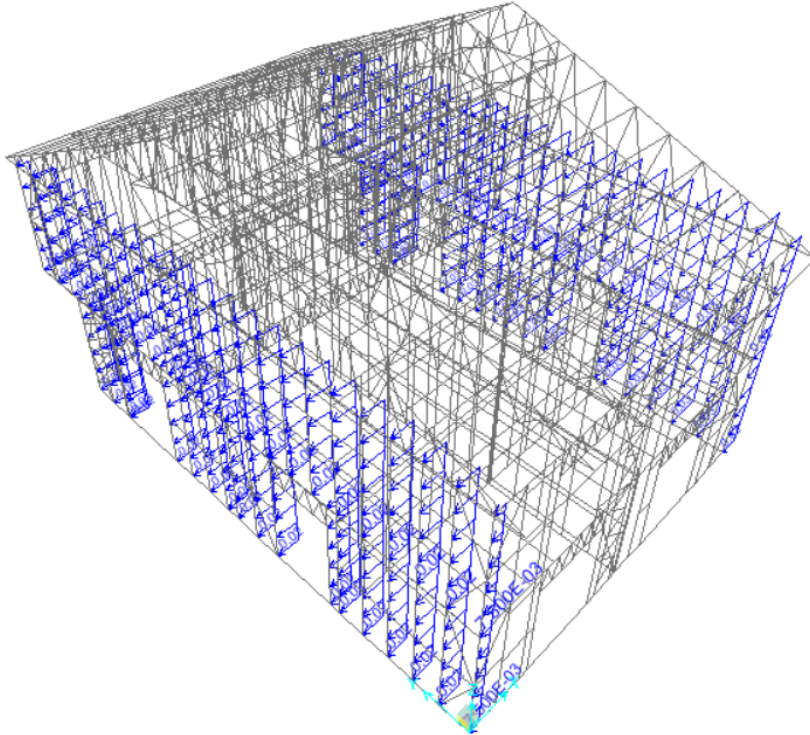
Frame Span Loads (RXP) (GLOBAL CSys)



VEK

RXN (X yönündeki negatif rüzgar yükü) : (50 kg/m²)

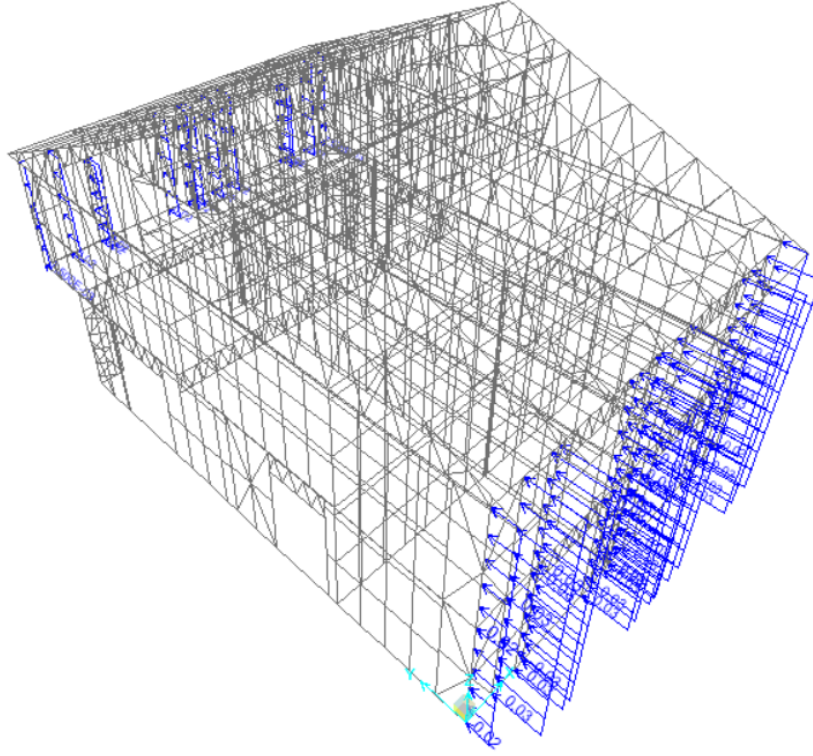
Frame Span Loads (RXN) (GLOBAL CSys)



ST

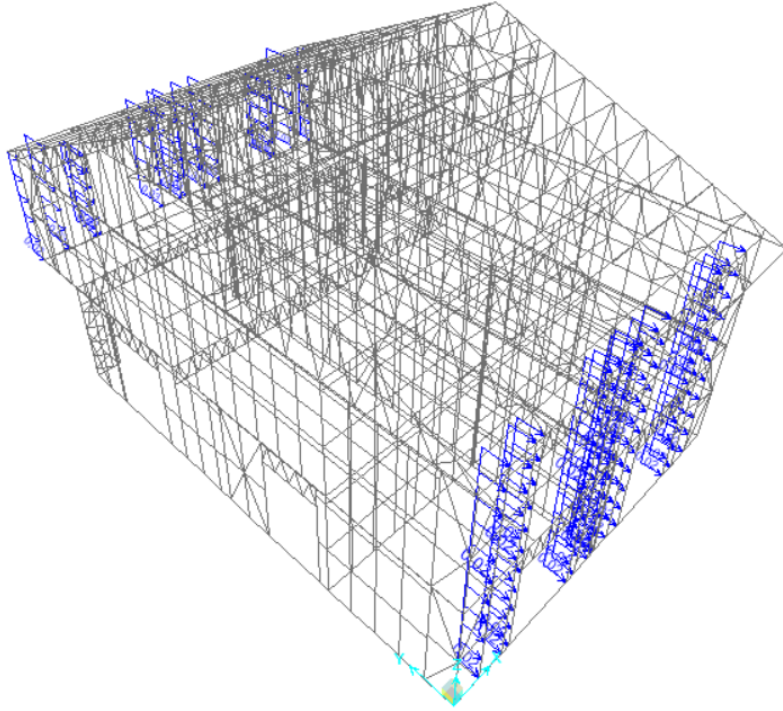
RYP (Y yönündeki pozitif rüzgar yükü) : (50 kg/m²)

Frame Span Loads (RYP) (GLOBAL CSys)



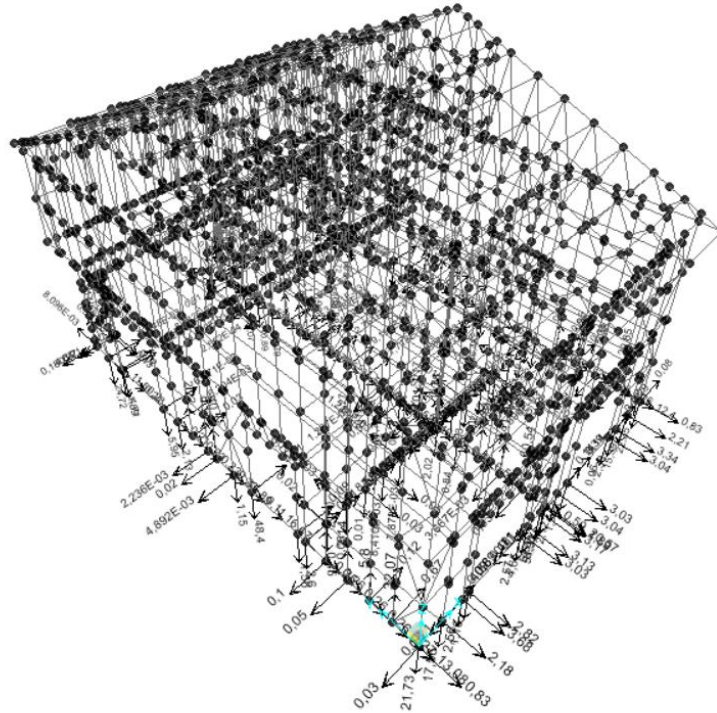
RYN (Y yönündeki negatif rüzgar yükü) : (50 kg/m²)

Frame Span Loads (RYN) (GLOBAL CSys)



Rüzgar Taban Kesme Kuvveti : SAP2000 programından alınmıştır.(Birim ton)

Joint Reactions (RYP)



TEK

TABLE: Base Reactions

OutputCase	CaseType	GlobalFX	GlobalFY	GlobalFZ	GlobalMX	GlobalMY	GlobalMZ
Text	Text	Tonf	Tonf	Tonf	Tonf-cm	Tonf-cm	Tonf-cm
RXP	LinStatic	-493,485	-3,366E-13	-5,786E-13	-8,193E-10	-142196,055	308483,1
RXN	LinStatic	494,895	1,447E-12	-2,463E-12	-2,49E-09	142510,485	-310069,35
RYP	LinStatic	2,006E-12	264,3	6,284E-12	76093,5	-4,973E-10	-111363,6
RYN	LinStatic	-3,484E-12	192,45	-4,111E-12	-63066,75	-1,108E-09	81270,42

STATİK RY

4. KULLANILAN KESİTLERİN ÖZELLİKLERİ :(Birimler cm cinsinden)

A : Kesit Alanı

I33 : Kesit 3 yönü atalet Momenti (cm⁴)

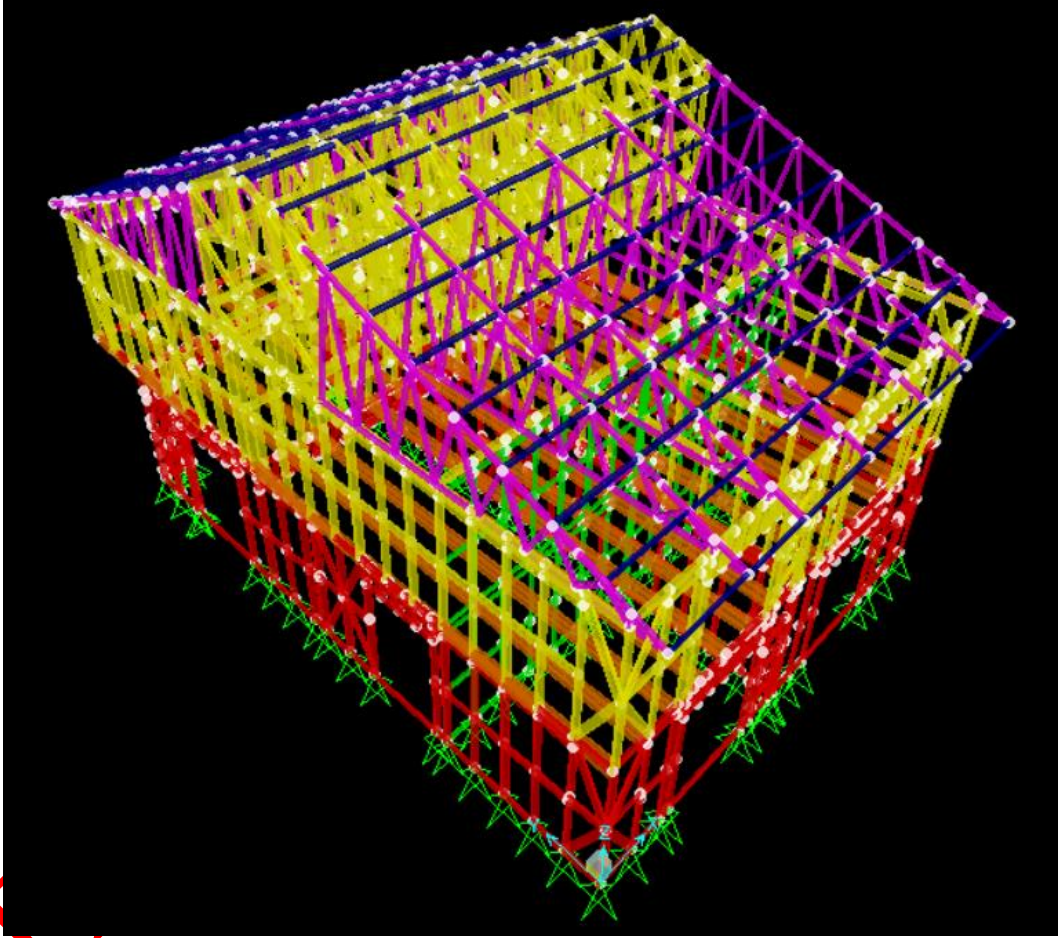
I22 : Kesit 2 yönü atalet Momenti (cm⁴)

S33 : Kesit 3 yönü atalet Mukavemet Momenti (cm³)

S22 : Kesit 2 yönü atalet Mukavemet Momenti (cm³)

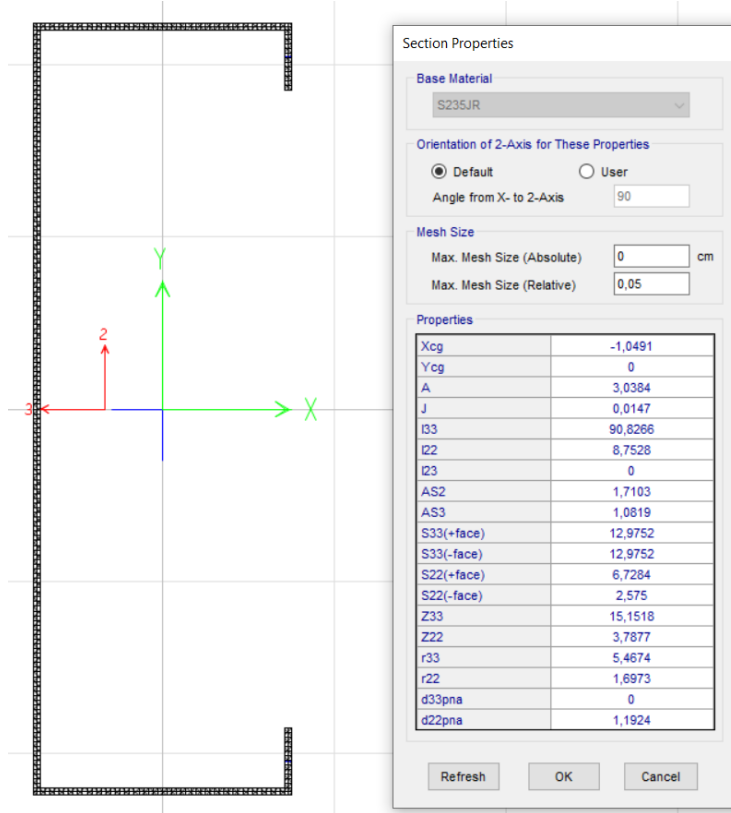
r33 : Kesit 3 yönü atalet yarıçapı (cm)

r22 : Kesit 2 yönü atalet yarıçapı (cm)



SAP2000 HESAP PROGRAMINDA TAHKİKİ YAPILAN KESİTLER

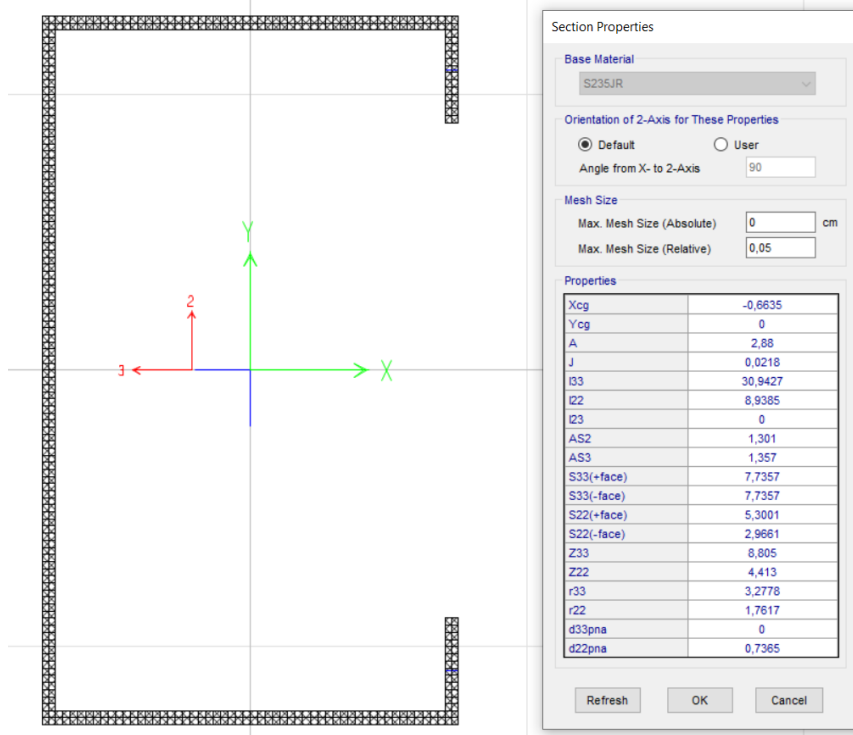
4.1 C140-1.20mm Zemin Kat Dış Duvar Panel Profilleri, Arakat Profilleri (malzeme DX51D kalitesindedir.)



STATİK RAHATLIK

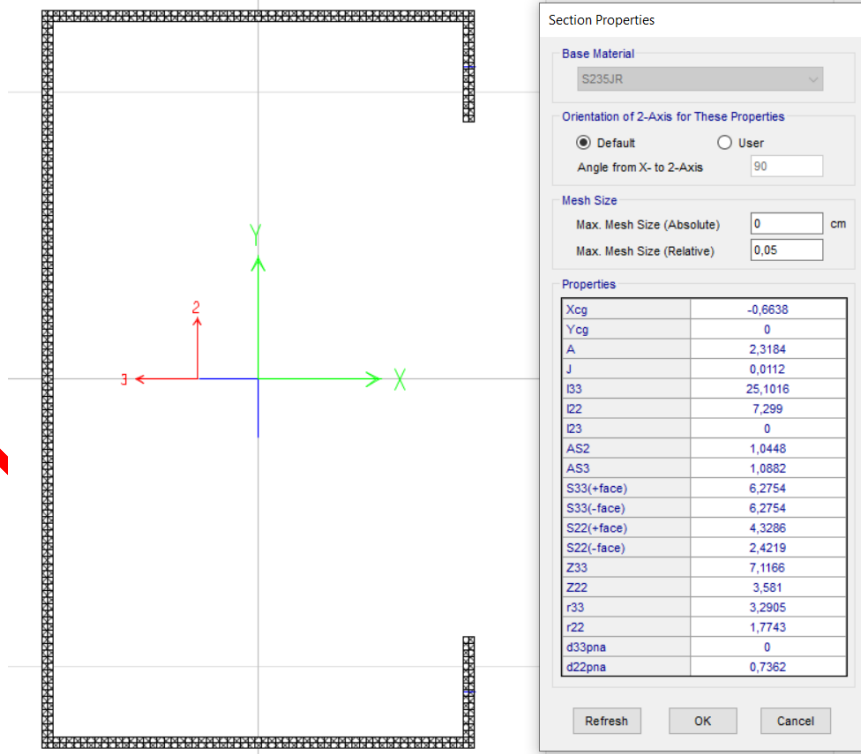
YER

4.2 C80-1.00mm Çatı Arası Duvarları, 1. Kat İç Duvarlar (malzeme DX51D kalitesindedir.)



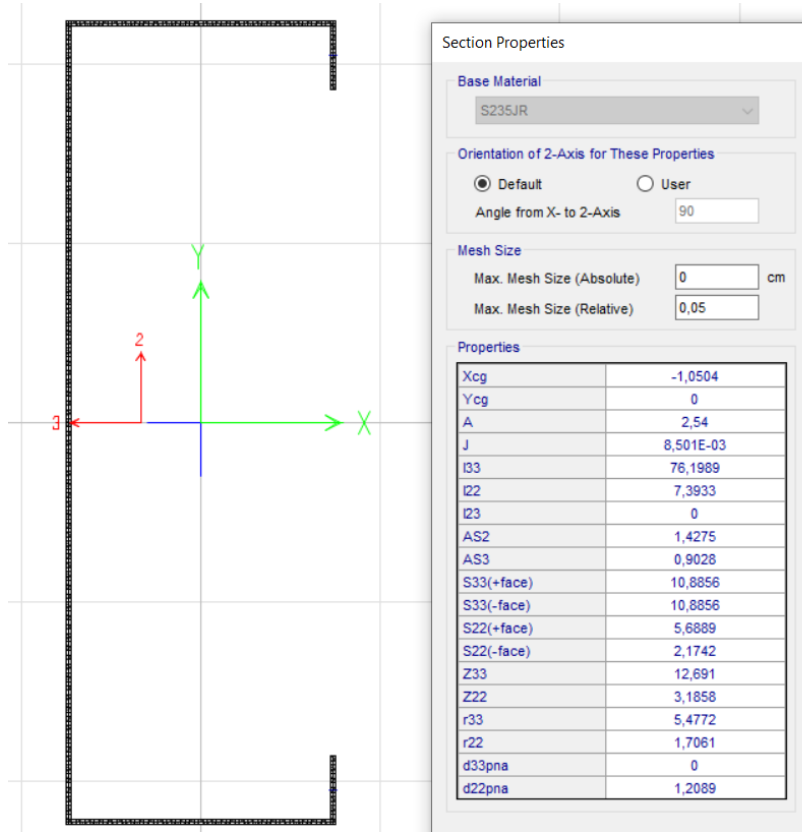
ST

4.3 C80-1.20mm Zemin Kat İç Duvar Panel Profilleri (malzeme DX51D kalitesindedir.)



ST

4.4 C140-1.00mm 1. Kat Dış Duvar Panel Profilleri (malzeme ST37 kalitesindedir.)



Section Properties

Base Material: S235JR

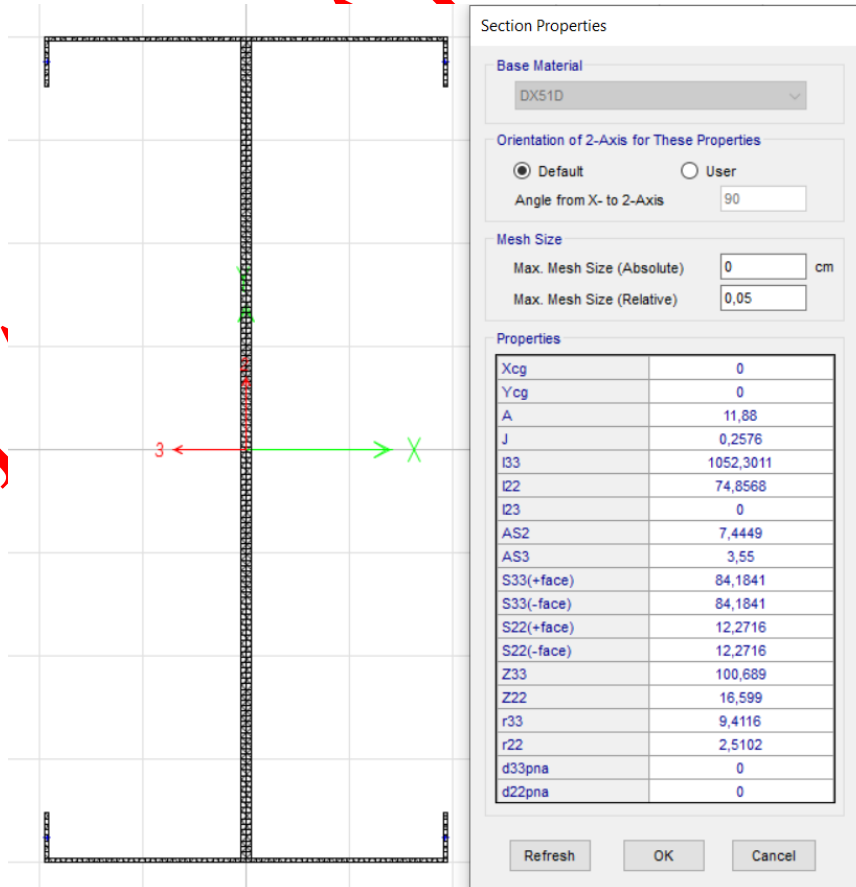
Orientation of 2-Axis for These Properties: Default User
Angle from X- to 2-Axis: 90

Mesh Size: Max. Mesh Size (Absolute): 0 cm, Max. Mesh Size (Relative): 0,05

Properties	
Xcg	-1,0504
Ycg	0
A	2,54
J	8,501E-03
I33	76,1989
I22	7,3933
I23	0
AS2	1,4275
AS3	0,9028
S33(+face)	10,8856
S33(-face)	10,8856
S22(+face)	5,6889
S22(-face)	2,1742
Z33	12,691
Z22	3,1858
r33	5,4772
r22	1,7061
d33pna	0
d22pna	1,2089

JK

4.5 C250-1.50mm Arakat Malzemesi (malzeme DX51D kalitesindedir.)



Section Properties

Base Material: DX51D

Orientation of 2-Axis for These Properties: Default User
Angle from X- to 2-Axis: 90

Mesh Size: Max. Mesh Size (Absolute): 0 cm, Max. Mesh Size (Relative): 0,05

Properties	
Xcg	0
Ycg	0
A	11,88
J	0,2576
I33	1052,3011
I22	74,8568
I23	0
AS2	7,4449
AS3	3,55
S33(+face)	84,1841
S33(-face)	84,1841
S22(+face)	12,2716
S22(-face)	12,2716
Z33	100,689
Z22	16,599
r33	9,4116
r22	2,5102
d33pna	0
d22pna	0

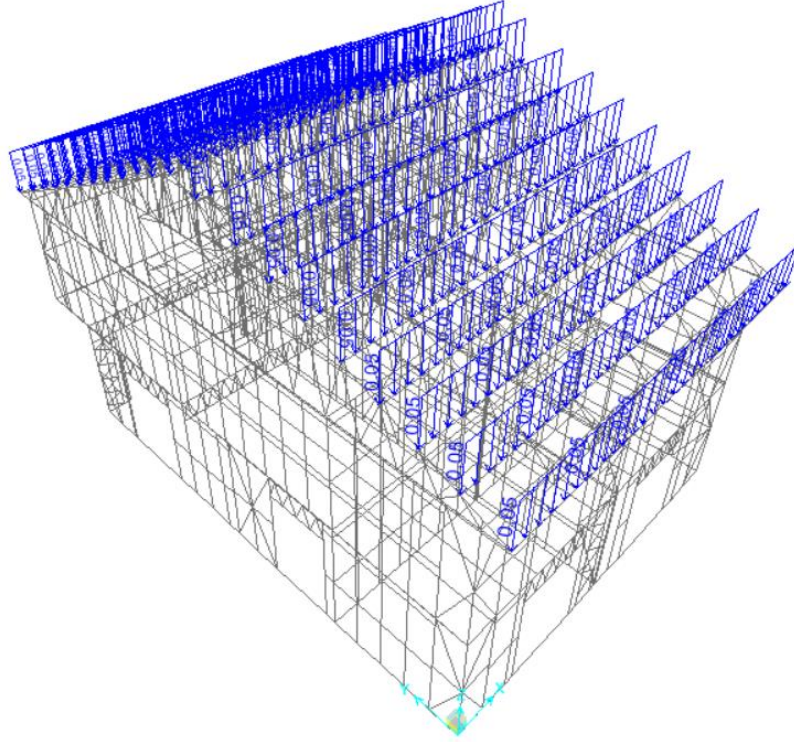
Refresh OK Cancel

ST

5.SİSTEM YÜKLEME ŞEKİLLERİ :

Kar Yüğü : 75.00kg/m²

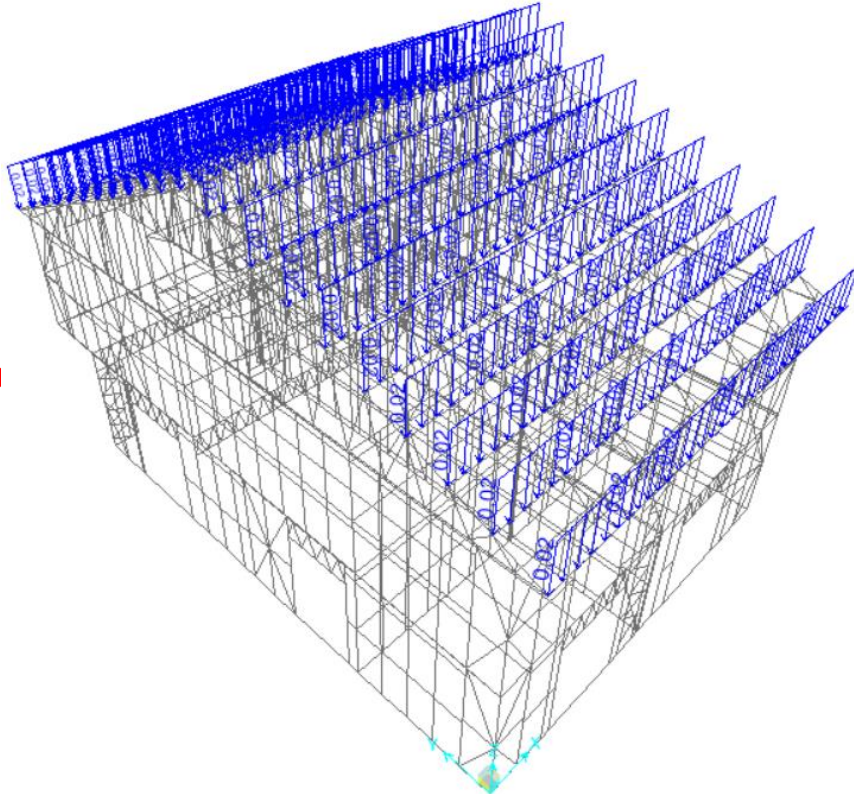
Frame Span Loads (KAR) (GLOBAL CSys)



EK

Çatı Kaplama Yüğüleri : 25.00kg/m²

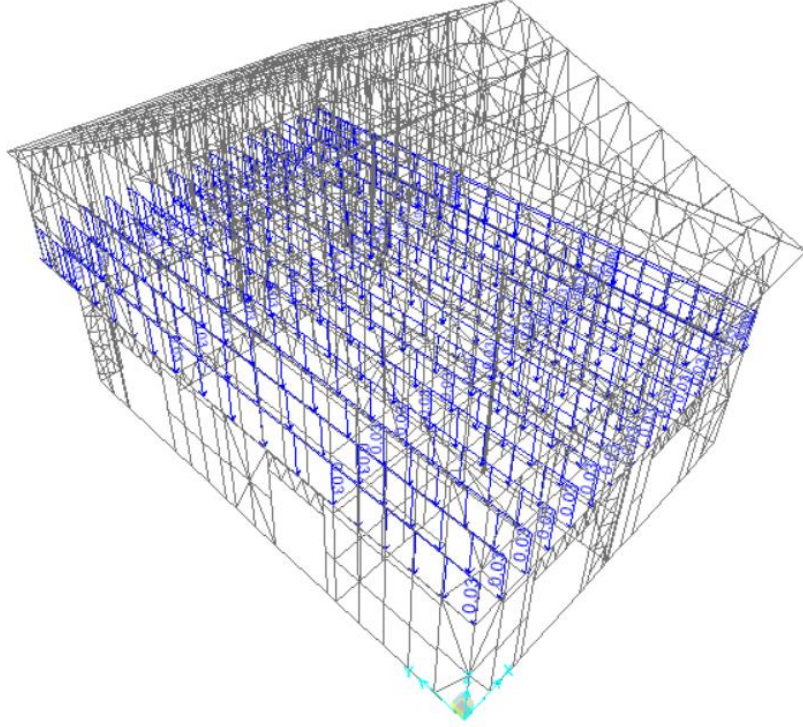
Frame Span Loads (CATI KAPLAMA) (GLOBAL CSys)



ST

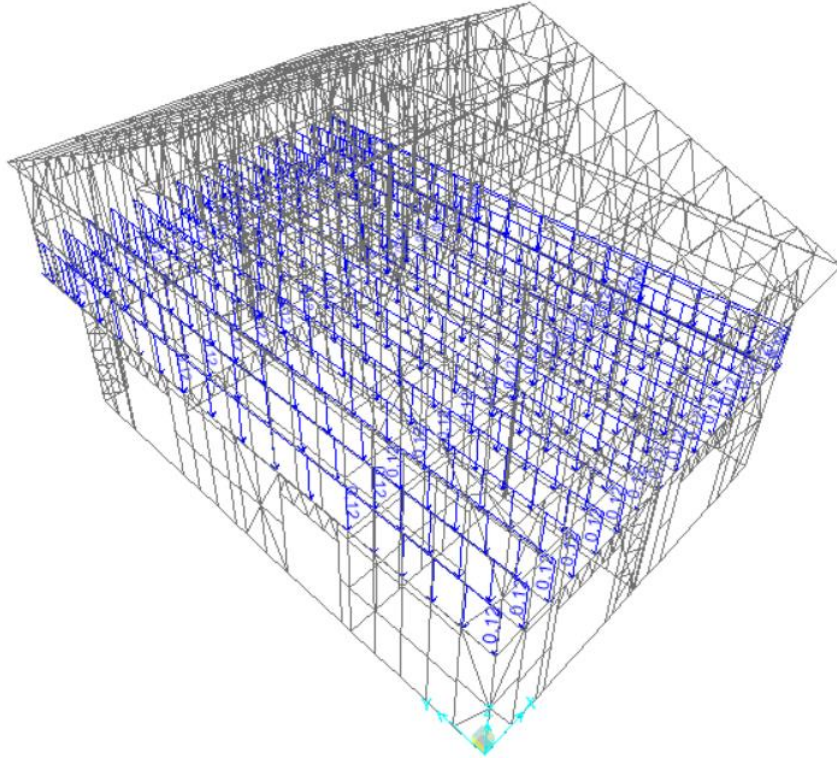
Döşeme Kaplama Yükleri : 50.00kg/m²

Frame Span Loads (ARAKAT KAPLAMA) (GLOBAL CSys)



Hareketli Yük : 200.00kg/m²

Frame Span Loads (HAREKETLI) (GLOBAL CSys)



YÜK DURUMLARI VE KOMBİNASYONLAR

Kombinasyonlar 2016 yılında yayınlanan Çelik yönetmeliklerine uygun olarak yapılacaktır.

5.3.1 – Yük ve Dayanım Katsayıları ile Tasarım (YDKT)

Bu tasarım yönteminde gerekli dayanım, R_u , aşağıdaki yük birleşimleri ile belirlenecektir.

- (1) $1.4G$
- (2a) $1.2G + 1.6(Q_r \text{ veya } S \text{ veya } R)$
- (2b) $1.2G + 1.6Q + 0.5(Q_r \text{ veya } S \text{ veya } R)$
- (3) $1.2G + 1.6(Q_r \text{ veya } S \text{ veya } R) + (Q \text{ veya } 0.8W)$
- (4) $1.2G + 1.0Q + 0.5(Q_r \text{ veya } S \text{ veya } R) + 1.6W$
- (5) $1.2G + 1.0Q + 0.2S + 1.0E$
- (6) $0.9G + 1.6W$
- (7) $0.9G + 1.0E$

Statik Yük Durumları

TABLE: Load Pattern Definitions		
LoadPat	DesignType	SelfWtMult
Text	Text	Unitless
DEAD	Dead	1
RYP	Wind	0
RYN	Wind	0
RXP	Wind	0
RXN	Wind	0
KAR	Snow	0
CATI KAPLAMA	Super Dead	0
HAREKETLI	Live	0
DOSEME KAPLAMA	Super Dead	0
EX	Quake	0
EY	Quake	0

Statik Yük Kombinasyonları

TABLE: Combination Definitions					
ComboName	ComboType	AutoDesign	CaseType	CaseName	ScaleFactor
Text	Text	Yes/No	Text	Text	Unitless
1.4G	Linear Add	No	Linear Static	CATI KAPLAMA	1,4
1.4G			Linear Static	DEAD	1,4
1.4G			Linear Static	DOSEME KAPLAMA	1,4
1.2G+1.6Q+1.6S	Linear Add	No	Linear Static	CATI KAPLAMA	1,2
1.2G+1.6Q+1.6S			Linear Static	DEAD	1,2

1.2G+1.6Q+1.6S			Linear Static	DOSEME KAPLAMA	1,2
1.2G+1.6Q+1.6S			Linear Static	HAREKETLI	1,6
1.2G+1.6Q+1.6S			Linear Static	KAR	1,6
1.2G+1.6Q+0.5S	Linear Add	No	Linear Static	CATI KAPLAMA	1,2
1.2G+1.6Q+0.5S			Linear Static	DEAD	1,2
1.2G+1.6Q+0.5S			Linear Static	DOSEME KAPLAMA	1,2
1.2G+1.6Q+0.5S			Linear Static	HAREKETLI	1,6
1.2G+1.6Q+0.5S			Linear Static	KAR	0,5
1.2G+1.0Q+0,5S+1.6RXP	Linear Add	No	Linear Static	CATI KAPLAMA	1,2
1.2G+1.0Q+0,5S+1.6RXP			Linear Static	DEAD	1,2
1.2G+1.0Q+0,5S+1.6RXP			Linear Static	DOSEME KAPLAMA	1,2
1.2G+1.0Q+0,5S+1.6RXP			Linear Static	HAREKETLI	1
1.2G+1.0Q+0,5S+1.6RXP			Linear Static	RXP	1,6
1.2G+1.0Q+0,5S+1.6RXP			Linear Static	KAR	0,5
1.2G+1.0Q+0.5S+1.6RXN	Linear Add	No	Linear Static	CATI KAPLAMA	1,2
1.2G+1.0Q+0.5S+1.6RXN			Linear Static	DEAD	1,2
1.2G+1.0Q+0.5S+1.6RXN			Linear Static	DOSEME KAPLAMA	1,2
1.2G+1.0Q+0.5S+1.6RXN			Linear Static	HAREKETLI	1
1.2G+1.0Q+0.5S+1.6RXN			Linear Static	RXN	1,6
1.2G+1.0Q+0.5S+1.6RXN			Linear Static	KAR	0,5
1.2G+1.0Q+0.5S+1.6RYP	Linear Add	No	Linear Static	CATI KAPLAMA	1,2
1.2G+1.0Q+0.5S+1.6RYP			Linear Static	DEAD	1,2
1.2G+1.0Q+0.5S+1.6RYP			Linear Static	DOSEME KAPLAMA	1,2
1.2G+1.0Q+0.5S+1.6RYP			Linear Static	HAREKETLI	1
1.2G+1.0Q+0.5S+1.6RYP			Linear Static	RYP	1,6

1.2G+1.0Q+0.5S+1.6RYP			Linear Static	KAR	0,5
1.2G+1.0Q+0.5S+1.06RY N	Linear Add	No	Linear Static	CATI KAPLAMA	1,2
1.2G+1.0Q+0.5S+1.06RY N			Linear Static	DEAD	1,2
1.2G+1.0Q+0.5S+1.06RY N			Linear Static	DOSEME KAPLAMA	1,2
1.2G+1.0Q+0.5S+1.06RY N			Linear Static	HAREKETLI	1
1.2G+1.0Q+0.5S+1.06RY N			Linear Static	RYN	1,6
1.2G+1.0Q+0.5S+1.06RY N			Linear Static	KAR	0,5
1.2G+1.0Q+0.2S+1.0EXP	Linear Add	No	Linear Static	CATI KAPLAMA	1,2
1.2G+1.0Q+0.2S+1.0EXP			Linear Static	DEAD	1,2
1.2G+1.0Q+0.2S+1.0EXP			Linear Static	DOSEME KAPLAMA	1,2
1.2G+1.0Q+0.2S+1.0EXP			Linear Static	HAREKETLI	1
1.2G+1.0Q+0.2S+1.0EXP			Linear Static	KAR	0,2
1.2G+1.0Q+0.2S+1.0EXP			Linear Static	EX	1
1.2G+1.0Q+0.2S+1.0EXN	Linear Add	No	Linear Static	CATI KAPLAMA	1,2
1.2G+1.0Q+0.2S+1.0EXN			Linear Static	DEAD	1,2
1.2G+1.0Q+0.2S+1.0EXN			Linear Static	DOSEME KAPLAMA	1,2
1.2G+1.0Q+0.2S+1.0EXN			Linear Static	HAREKETLI	1
1.2G+1.0Q+0.2S+1.0EXN			Linear Static	KAR	0,2
1.2G+1.0Q+0.2S+1.0EXN			Linear Static	EX	-1
1.2G+1.0Q+0.2S+1.0EYP	Linear Add	No	Linear Static	CATI KAPLAMA	1,2
1.2G+1.0Q+0.2S+1.0EYP			Linear Static	DEAD	1,2
1.2G+1.0Q+0.2S+1.0EYP			Linear Static	DOSEME KAPLAMA	1,2
1.2G+1.0Q+0.2S+1.0EYP			Linear Static	HAREKETLI	1
1.2G+1.0Q+0.2S+1.0EYP			Linear Static	KAR	0,2
1.2G+1.0Q+0.2S+1.0EYP			Linear Static	EY	1

1.2G+1.0Q+0.2S+1.0EYN	Linear Add	No	Linear Static	CATI KAPLAMA	1,2
1.2G+1.0Q+0.2S+1.0EYN			Linear Static	DEAD	1,2
1.2G+1.0Q+0.2S+1.0EYN			Linear Static	DOSEME KAPLAMA	1,2
1.2G+1.0Q+0.2S+1.0EYN			Linear Static	HAREKETLI	1
1.2G+1.0Q+0.2S+1.0EYN			Linear Static	KAR	0,2
1.2G+1.0Q+0.2S+1.0EYN			Linear Static	EY	-1

STATİK RAPOR ÖRNEK

6. DİNAMİK ANALİZ :

Depreme Katılan Hareketli Yüklerin ve Sabit Yüklerin Katılım Oranları :

Sap2000 programına tanıtılan Kütle Katılım Oranları :

Load Pattern	Multiplier
DEAD	1,
DEAD	1,
KAR	0,3
CATI KAPLAMA	1,
HAREKETLI ARAKAT KAPLAMA	0,3

Tablo 4.1 (devamı)

Bina Taşıyıcı Sistemi	Taşıyıcı Sistem Davranış Katsayısı R	Dayanım Fazlalığı Katsayısı D	İzin Verilen Bina Yükseklik Sınıfları BYS
D. HAFİF ÇELİK BİNA TAŞIYICI SİSTEMLERİ			
D1. Süneklik Düzeyi Yüksek Taşıyıcı Sistemler			
Deprem etkilerinin tamamının vidalı, bulonlu sac, OSB veya kontrplak (plywood) duvar panelleri ile karşılandığı süneklik düzeyi yüksek hafif çelik binalar	4	2	BYS = 8
D2. Süneklik Düzeyi Sınırlı Taşıyıcı Sistemler (Bkz.4.3.4.1)			
Deprem etkilerinin tamamının alçı levhalar içeren kaplamalı veya çaprazlı panellerle karşılandığı süneklik düzeyi sınırlı hafif çelik binalar	3	2	BYS = 8

Tablo 3.1 – Bina Kullanım Sınıfları ve Bina Önem Katsayıları

Bina Kullanım Sınıfı	Binanın Kullanım Amacı	Bina Önem Katsayısı (I)
BKS = 2	İnsanların kısa süreli ve yoğun olarak bulunduğu binalar Alışveriş merkezleri, spor tesisleri, sinema, tiyatro, konser salonları, ibadethaneler, vb.	1.2
BKS = 3	Diğer binalar BKS=1 ve BKS=2 için verilen tanımlara girmeyen diğer binalar (Konutlar, işyerleri, oteller, bina türü endüstri yapıları, vb.)	1.0

Deprem Taban Kesme Kuvveti Katsayısı Hesaplama :

(b) 1.0 saniye periyot için *harita spektral ivme katsayısı* S_1

Birbirine dik iki yatay doğrultudaki deprem etkilerinin geometrik ortalamasına karşı gelen *harita spektral ivme katsayıları*, belirli bir deprem yer hareketi düzeyi için referans zemin koşulu [$(V_S)_{30}=760$ m/s] esas alınarak %5 sönüm oranı için *harita spektral ivmeleri*'nin yerçekimi ivmesine bölünmesi ile *boyutsuz katsayılar* olarak tanımlanmıştır.

2.3.2.2 – 2.3.2.1'de tanımlanan *harita spektral ivme katsayıları* S_S ve S_1 , aşağıdaki şekilde *tasarım spektral ivme katsayıları* S_{DS} ve S_{D1} 'e dönüştürülür:

$$\begin{aligned} S_{DS} &= S_S F_S \\ S_{D1} &= S_1 F_1 \end{aligned} \quad (2.1)$$

Tablo 2.2 – 1.0 saniye periyot için Yerel Zemin Etki Katsayıları

Yerel Zemin Sınıfı	1.0 saniye periyot için Yerel Zemin Etki Katsayısı F_1					
	$S_1 \leq 0.10$	$S_1 = 0.20$	$S_1 = 0.30$	$S_1 = 0.40$	$S_1 = 0.50$	$S_1 \geq 0.60$
ZA	0.8	0.8	0.8	0.8	0.8	0.8
ZB	0.8	0.8	0.8	0.8	0.8	0.8
ZC	1.5	1.5	1.5	1.5	1.5	1.4
ZD	2.4	2.2	2.0	1.9	1.8	1.7
ZE	4.2	3.3	2.8	2.4	2.2	2.0
ZF	Sahaya özel zemin davranış analizi yapılacaktır (Bkz.16.5).					

2.3.3.2 – **Tablo 2.1** ve/veya **Tablo 2.2**'ye göre ZF yerel zemin sınıfına giren zeminler için *sahaya özel zemin davranış analizleri 16.5*'e göre yapılacaktır.

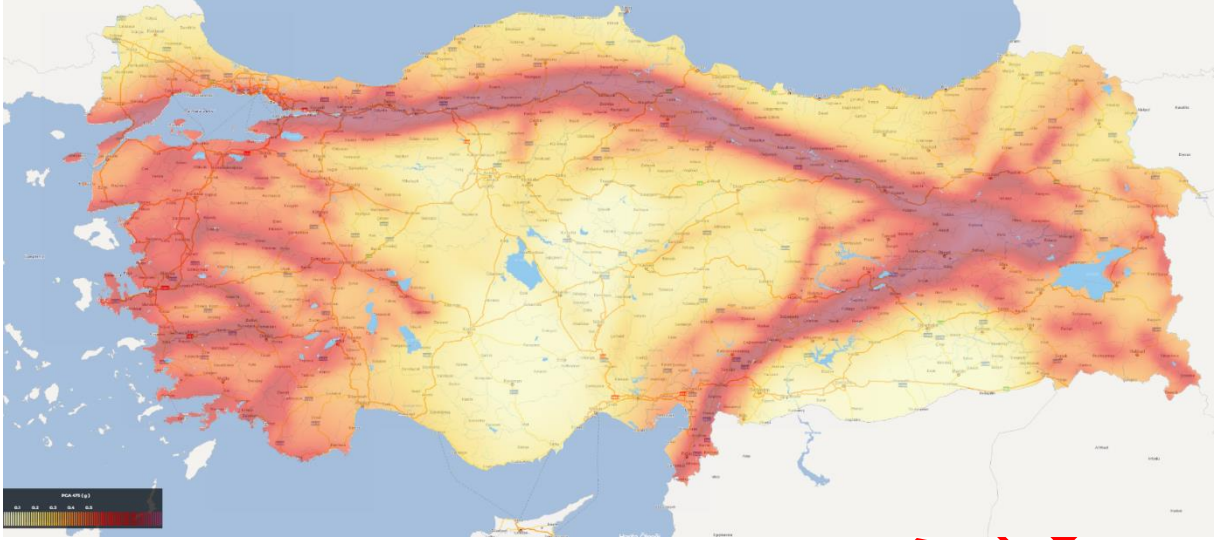
2.3.4. Yatay Elastik Tasarım Spektrumu

2.3.4.1 – Gözönüne alınan herhangi bir deprem yer hareketi düzeyi için *yatay elastik tasarım ivme spektrumu*'nun ordinatları olan *yatay elastik tasarım spektral ivmeleri* $S_{ae}(T)$, doğal titreşim periyoduna bağlı olarak yerçekimi ivmesi $[g]$ cinsinden **Denk.(2.2)**'de tanımlanmıştır (**Şekil 2.1**):

$$\begin{aligned} S_{ae}(T) &= \left(0.4 + 0.6 \frac{T}{T_A} \right) S_{DS} & (0 \leq T \leq T_A) \\ S_{ae}(T) &= S_{DS} & (T_A \leq T \leq T_B) \\ S_{ae}(T) &= \frac{S_{D1}}{T} & (T_B \leq T \leq T_L) \\ S_{ae}(T) &= \frac{S_{D1} T_L}{T^2} & (T_L \leq T) \end{aligned} \quad (2.2)$$

Burada S_{DS} ve S_{D1} 2.3.2.2'de tanımlanan *tasarım spektral ivme katsayıları*'nı, T ise doğal titreşim periyodunu göstermektedir. Yatay tasarım spektrumu *köşe periyotları* T_A ve T_B **Denk.(2.3)** ile S_{DS} ve S_{D1} 'e bağlı olarak tanımlanır:

$$T_A = 0.2 \frac{S_{D1}}{S_{DS}} \quad ; \quad T_B = \frac{S_{D1}}{S_{DS}} \quad (2.3)$$



Türkiye Deprem Haritası

AFAD



Türkiye Deprem Tehlike Haritaları İnteraktif Web Uygulaması

Kullanıcı Girdileri

[Detaylı Raporu Göster](#) [Yazdır](#)

Rapor Başlığı:	LAL Çelik Bina	
Deprem Yer Hareketi Düzeyi:	DD-2	50 yılda aşılma olasılığı %10 (tekrarlanma periyodu 475 yılı) olan deprem yer hareketi düzeyi
Yerel Zemin Sınıfı	ZD	Orta sıkı - sıkı kum, çakıl veya çok katı kil tabakaları
Enlem:	39.939011°	
Boylam	26.340111°	



Çıktılar

$S_s = 0.697$	$S_1 = 0.203$	$S_{DS} = 0.866$	$S_{D1} = 0.445$
$PGA = 0.295$	$PGV = 18.328$		

S_s : Kısa periyot harita spektral ivme katsayısı [boyutsuz]

S_1 : 1.0 saniye periyot için harita spektral ivme katsayısı [boyutsuz]

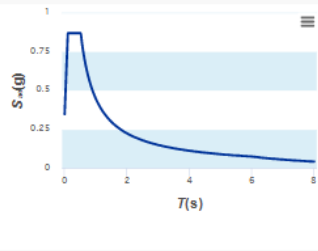
S_{DS} : Kısa periyot tasarım spektral ivme katsayısı [boyutsuz]

S_{D1} : 1.0 saniye periyot için tasarım spektral ivme katsayısı [boyutsuz]

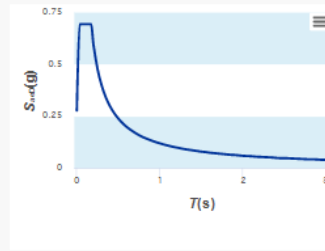
PGA : En büyük yer ivmesi [g]

PGV : En büyük yer hızı [cm/sn]

Yatay Elastik Tasarım Spektrumu



Düsey Elastik Tasarım Spektrumu



X yönü için :

TSC-2018 Seismic Load Pattern

Load Direction and Diaphragm Eccentricity

Global X Direction
 Global Y Direction

Ecc. Ratio (All Diaph.)

Override Diaph. Eccen.

Time Period

Approx. Period Ct (m), x =

Program Calc Ct (m), x =

User Defined T =

Lateral Load Elevation Range

Program Calculated

User Specified

Max Z

Min Z

Seismic Coefficients

0.2 Sec Spectral Accel, Ss

1 Sec Spectral Accel, S1

Long-Period Transition Period

Site Class

Site Coefficient, Fs

Site Coefficient, F1

Calculated Coefficients

SDS = Fs * Ss

SDS = F1 * S1

Factors

Response Modification, R

System Overstrength, D

Occupancy Importance, I

Y yönü için :

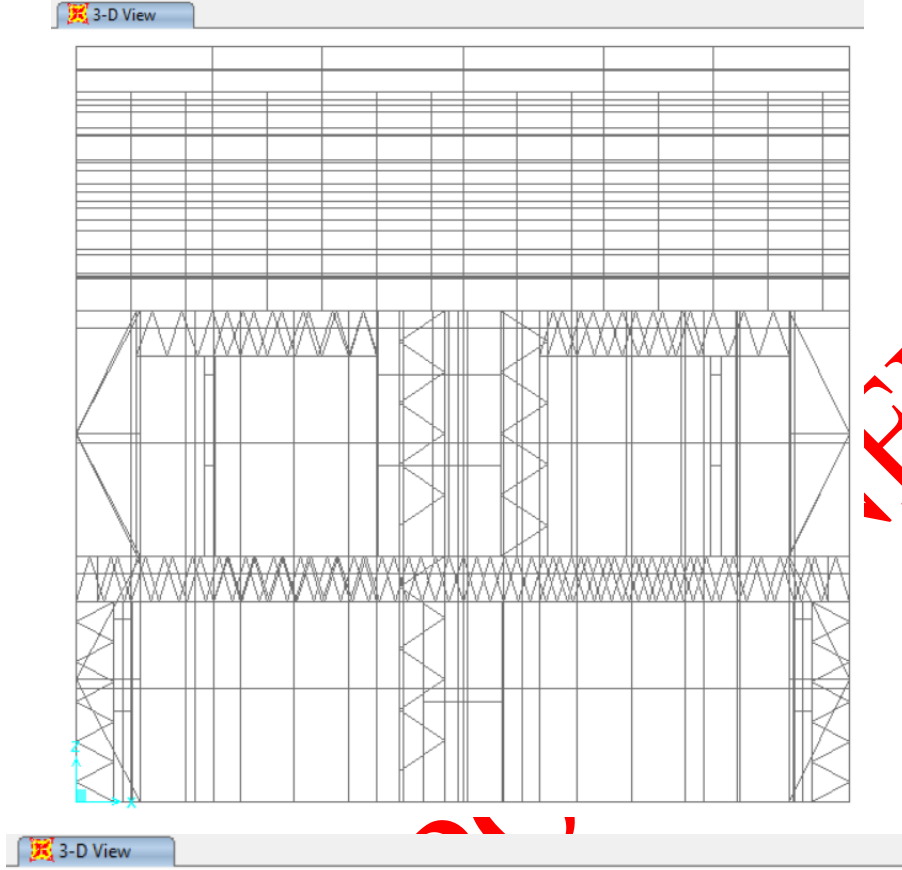
TSC-2018 Seismic Load Pattern



Load Direction and Diaphragm Eccentricity		Seismic Coefficients	
<input type="radio"/> Global X Direction		0.2 Sec Spectral Accel, Ss	0,697
<input checked="" type="radio"/> Global Y Direction		1 Sec Spectral Accel, S1	0,203
Ecc. Ratio (All Diaph.)	0,05	Long-Period Transition Period	6,
Override Diaph. Eccen.	Override...	Site Class	ZD
Time Period		Site Coefficient, Fs	1,2424
<input type="radio"/> Approx. Period	Ct (m), x =	Site Coefficient, F1	2,194
<input checked="" type="radio"/> Program Calc	Ct (m), x = 0.10; 0.75	Calculated Coefficients	
<input type="radio"/> User Defined	T =	SDS = Fs * Ss	0,866
Lateral Load Elevation Range		SDS = F1 * S1	0,4454
<input checked="" type="radio"/> Program Calculated		Factors	
<input type="radio"/> User Specified	Reset Defaults	Response Modification, R	3,
Max Z		System Overstrength, D	2,
Min Z		Occupancy Importance, I	1,
OK Cancel			

STATIK RAI

Sap2000 Programında Tanımlanan Kesit Görünüşleri



TEK

ST

7. DİZAYN SONUÇLARI :

Dizayn Sonuçları :

TABLE: Steel Design 1 - Summary Data - AISC 360-10						
Frame	DesignSect	DesignType	Ratio	RatioType	Combo	Location
Text	Text	Text	Unitless	Text	Text	m
1	CC140-47-12-1.20mm	Column	0,420512	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2	CC140-47-12-1.20mm	Column	0,592152	PMM	1.2G+1.0Q+0.2S+1.0EXP	2,5
3	CC140-47-12-1.20mm	Column	0,466647	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
4	CC140-47-12-1.20mm	Column	0,782079	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
8	CC140-47-12-1.20mm	Beam	0,202377	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
32	CC140-47-12-1.20mm	Brace	0,104429	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
33	CC140-47-12-1.20mm	Brace	0,103311	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
34	CC140-47-12-1.20mm	Brace	0,072384	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
35	CC140-47-12-1.20mm	Brace	0,065789	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52202
36	CC140-47-12-1.20mm	Brace	0,069346	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
37	CC140-47-12-1.20mm	Brace	0,066261	PMM	0.9G+1.0EXP	0,52202
38	CC140-47-12-1.20mm	Brace	0,06774	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
39	CC140-47-12-1.20mm	Brace	0,068863	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52202
40	CC140-47-12-1.20mm	Brace	0,067922	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
41	CC140-47-12-1.20mm	Brace	0,070052	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52202
42	CC140-47-12-1.20mm	Brace	0,086432	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,52202
43	CC140-47-12-1.20mm	Brace	0,088432	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52202
44	CC140-47-12-1.20mm	Column	0,458728	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
45	CC140-47-12-1.20mm	Column	0,526469	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
47	CC140-47-12-1.20mm	Beam	0,185038	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,8
49	CC140-47-12-1.20mm	Brace	0,081383	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
50	CC140-47-12-1.20mm	Brace	0,082189	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
51	CC140-47-12-1.20mm	Brace	0,062013	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
52	CC140-47-12-1.20mm	Brace	0,055969	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52202
53	CC140-47-12-1.20mm	Brace	0,058899	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
54	CC140-47-12-1.20mm	Brace	0,053396	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52202
55	CC140-47-12-1.20mm	Brace	0,053498	PMM	0.9G+1.0EXN	0
56	CC140-47-12-1.20mm	Brace	0,057549	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52202
57	CC140-47-12-1.20mm	Brace	0,055764	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
58	CC140-47-12-1.20mm	Brace	0,060012	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52202
59	CC140-47-12-1.20mm	Brace	0,098924	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,52202
60	CC140-47-12-1.20mm	Brace	0,108072	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52202
61	CC140-47-12-1.20mm	Brace	0,28905	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
62	CC140-47-12-1.20mm	Brace	0,367651	PMM	0.9G+1.0EXP	1,523
63	CC140-47-12-1.20mm	Beam	0,209874	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
64	CC140-47-12-1.20mm	Column	0,485998	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
65	CC140-47-12-1.20mm	Column	0,582773	PMM	1.2G+1.0Q+0.2S+1.0EXN	2,5
66	CC140-47-12-1.20mm	Brace	0,360807	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
67	CC140-47-12-1.20mm	Beam	0,231455	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
68	CC140-47-12-1.20mm	Brace	0,29171	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,5027

75	CC140-47-12-1.20mm	Column	0,901279	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
80	CC140-47-12-1.20mm	Brace	0,244531	PMM	0.9G+1.0EXN	0
81	CC140-47-12-1.20mm	Brace	0,116453	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
82	CC140-47-12-1.20mm	Brace	0,072385	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,59581
83	CC140-47-12-1.20mm	Brace	0,082352	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,59581
84	CC140-47-12-1.20mm	Brace	0,09996	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,59581
85	CC140-47-12-1.20mm	Brace	0,084487	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
86	CC140-47-12-1.20mm	Brace	0,088138	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
88	CC140-47-12-1.20mm	Column	0,331982	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
89	CC140-47-12-1.20mm	Column	0,487783	PMM	1.2G+1.0Q+0.2S+1.0EXN	2,5
90	CC140-47-12-1.20mm	Column	0,467803	PMM	1.2G+1.0Q+0.2S+1.0EXP	2,5
94	CC140-47-12-1.20mm	Beam	0,905336	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,495
95	CC140-47-12-1.20mm	Beam	0,567556	PMM	0.9G+1.0EXP	0
96	CC140-47-12-1.20mm	Beam	0,344137	PMM	0.9G+1.0EYP	0,15
97	CC140-47-12-1.20mm	Beam	0,380652	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,144
98	CC140-47-12-1.20mm	Beam	0,393812	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,3
99	CC140-47-12-1.20mm	Beam	0,365079	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,144
100	CC140-47-12-1.20mm	Beam	0,448771	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
101	CC140-47-12-1.20mm	Beam	0,478881	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,144
102	CC140-47-12-1.20mm	Beam	0,45625	PMM	0.9G+1.0EYP	0
104	CC140-47-12-1.20mm	Beam	0,899851	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,041
108	CC140-47-12-1.20mm	Beam	0,383996	PMM	0.9G+1.0EYP	0,15
109	CC140-47-12-1.20mm	Beam	0,488245	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,152
110	CC140-47-12-1.20mm	Beam	0,461633	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,3
111	CC140-47-12-1.20mm	Beam	0,363028	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,152
112	CC140-47-12-1.20mm	Beam	0,396786	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
113	CC140-47-12-1.20mm	Beam	0,379157	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,152
114	CC140-47-12-1.20mm	Beam	0,334654	PMM	0.9G+1.0EYP	0
115	CC140-47-12-1.20mm	Beam	0,819663	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,302
118	CC140-47-12-1.20mm	Beam	0,119578	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,705
119	CC140-47-12-1.20mm	Beam	0,125256	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
120	CC140-47-12-1.20mm	Beam	0,102403	Major Shear	1.2G+1.0Q+0.2S+1.0EXN	0
121	CC140-47-12-1.20mm	Beam	0,051376	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,8
122	CC140-47-12-1.20mm	Beam	0,208562	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,253
123	CC140-47-12-1.20mm	Beam	0,201809	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
124	CC140-47-12-1.20mm	Beam	0,159804	Major Shear	1.2G+1.0Q+0.2S+1.0EXP	0,15
125	CC140-47-12-1.20mm	Beam	0,177283	Major Shear	1.2G+1.0Q+0.2S+1.0EXP	0,05
126	CC140-47-12-1.20mm	Beam	0,144494	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,405
127	CC140-47-12-1.20mm	Beam	0,059623	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
128	CC140-47-12-1.20mm	Beam	0,10097	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
129	CC140-47-12-1.20mm	Beam	0,128119	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,579
130	CC140-47-12-1.20mm	Beam	0,125182	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
131	CC140-47-12-1.20mm	Beam	0,296684	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
132	CC140-47-12-1.20mm	Beam	0,310488	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,201
133	CC140-47-12-1.20mm	Beam	0,362201	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
134	CC140-47-12-1.20mm	Beam	0,381827	Major Shear	1.2G+1.0Q+0.2S+1.0EXP	0,15

136	CC140-47-12-1.20mm	Beam	0,309879	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,405
137	CC140-47-12-1.20mm	Beam	0,335577	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
138	CC140-47-12-1.20mm	Beam	0,246593	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,579
139	CC140-47-12-1.20mm	Beam	0,233056	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
140	CC140-47-12-1.20mm	Beam	0,093833	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
141	CC140-47-12-1.20mm	Beam	0,269087	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,253
142	CC140-47-12-1.20mm	Beam	0,191557	Major Shear	1.2G+1.0Q+0.2S+1.0EXP	0,15
144	CC140-47-12-1.20mm	Beam	0,064305	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
145	CC140-47-12-1.20mm	Beam	0,128832	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,363
146	CC140-47-12-1.20mm	Beam	0,228393	PMM	0.9G+1.0EXP	0,579
147	CC140-47-12-1.00mm	Column	0,087043	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
148	CC140-47-12-1.00mm	Column	0,260188	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,25
149	CC140-47-12-1.00mm	Column	0,422704	PMM	1.2G+1.0Q+0.2S+1.0EXN	2,2
150	CC140-47-12-1.00mm	Column	0,394951	PMM	1.2G+1.0Q+0.2S+1.0EXP	2,2
151	CC140-47-12-1.00mm	Beam	0,186777	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
152	CC140-47-12-1.00mm	Brace	0,136433	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
153	CC140-47-12-1.00mm	Brace	0,054764	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
154	CC140-47-12-1.00mm	Brace	0,07891	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52202
155	CC140-47-12-1.00mm	Brace	0,079698	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52202
156	CC140-47-12-1.00mm	Brace	0,082289	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
157	CC140-47-12-1.00mm	Brace	0,076529	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
158	CC140-47-12-1.00mm	Brace	0,054065	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
159	CC140-47-12-1.00mm	Brace	0,094359	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52202
160	CC140-47-12-1.00mm	Brace	0,097258	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
161	CC140-47-12-1.00mm	Brace	0,075879	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
162	CC140-47-12-1.00mm	Brace	0,069919	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,52202
163	CC140-47-12-1.00mm	Brace	0,083317	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52202
164	CC140-47-12-1.00mm	Column	0,345484	PMM	1.2G+1.0Q+0.2S+1.0EXN	2,2
165	CC140-47-12-1.00mm	Column	0,356779	PMM	1.2G+1.0Q+0.2S+1.0EXP	2,2
166	CC140-47-12-1.00mm	Beam	0,160787	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,8
167	CC140-47-12-1.00mm	Brace	0,095093	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
168	CC140-47-12-1.00mm	Brace	0,06967	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
169	CC140-47-12-1.00mm	Brace	0,053182	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
170	CC140-47-12-1.00mm	Brace	0,072338	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52202
171	CC140-47-12-1.00mm	Brace	0,10452	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52202
172	CC140-47-12-1.00mm	Brace	0,102819	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
173	CC140-47-12-1.00mm	Brace	0,052708	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52202
174	CC140-47-12-1.00mm	Brace	0,067943	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52202
175	CC140-47-12-1.00mm	Brace	0,068028	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52202
176	CC140-47-12-1.00mm	Brace	0,072018	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
177	CC140-47-12-1.00mm	Brace	0,065315	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,52202
178	CC140-47-12-1.00mm	Brace	0,11179	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52202
179	CC140-47-12-1.00mm	Brace	0,16644	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
180	CC140-47-12-1.00mm	Brace	0,176965	PMM	0.9G+1.0EYN	1,523
181	CC140-47-12-1.00mm	Beam	0,152425	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
182	CC140-47-12-1.00mm	Column	0,078432	PMM	1.2G+1.0Q+0.2S+1.0EYN	0

183	CC140-47-12-1.00mm	Column	0,243171	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
184	CC140-47-12-1.00mm	Brace	0,166494	PMM	0.9G+1.0EYN	0
185	CC140-47-12-1.00mm	Beam	0,152356	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
186	CC140-47-12-1.00mm	Brace	0,145261	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,5027
187	CC140-47-12-1.00mm	Column	0,306715	PMM	1.2G+1.0Q+0.2S+1.0EXP	2,5
188	CC140-47-12-1.00mm	Column	0,330427	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
189	CC140-47-12-1.00mm	Brace	0,085982	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
190	CC140-47-12-1.00mm	Brace	0,062689	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
191	CC140-47-12-1.00mm	Brace	0,043681	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,59581
192	CC140-47-12-1.00mm	Brace	0,051587	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,59581
193	CC140-47-12-1.00mm	Brace	0,050129	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,59581
194	CC140-47-12-1.00mm	Brace	0,080033	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,59581
195	CC140-47-12-1.00mm	Brace	0,144707	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,59581
197	CC140-47-12-1.00mm	Column	0,300505	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
198	CC140-47-12-1.00mm	Column	0,291351	PMM	1.2G+1.0Q+0.2S+1.0EXN	2,5
199	CC140-47-12-1.00mm	Column	0,302482	PMM	0.9G+1.0EXP	2,5
202	CC140-47-12-1.00mm	Beam	0,722447	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,195
207	CC140-47-12-1.00mm	Beam	0,597912	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,144
213	CC140-47-12-1.00mm	Beam	0,61237	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,05
214	CC140-47-12-1.00mm	Beam	0,480558	PMM	0.9G+1.0EYP	0
215	CC140-47-12-1.00mm	Beam	0,565032	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,15
216	CC140-47-12-1.00mm	Beam	0,816675	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,3
217	CC140-47-12-1.00mm	Beam	0,610651	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,252
222	CC140-47-12-1.00mm	Beam	0,72677	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,102
223	CC140-47-12-1.00mm	Beam	0,778086	PMM	0.9G+1.0EYP	0
228	CC140-47-12-1.20mm	Beam	0,47974	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,494
234	CC140-47-12-1.20mm	Beam	0,489023	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,302
238	CC140-47-12-1.00mm	Beam	0,324207	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
239	CC140-47-12-1.00mm	Beam	0,306418	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,201
240	CC140-47-12-1.00mm	Beam	0,294168	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
241	CC140-47-12-1.00mm	Beam	0,166727	Major Shear	1.2G+1.0Q+0.2S+1.0EXP	0,15
243	CC140-47-12-1.00mm	Beam	0,306859	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,405
244	CC140-47-12-1.00mm	Beam	0,30759	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
245	CC140-47-12-1.00mm	Beam	0,259653	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,579
246	CC140-47-12-1.00mm	Beam	0,202881	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
247	CC140-47-12-1.00mm	Beam	0,131848	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
248	CC140-47-12-1.00mm	Beam	0,182774	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,253
249	CC140-47-12-1.00mm	Beam	0,063878	Major Shear	1.2G+1.0Q+0.2S+1.0EXN	0
251	CC140-47-12-1.00mm	Beam	0,062433	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
252	CC140-47-12-1.00mm	Beam	0,171186	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,363
253	CC140-47-12-1.00mm	Beam	0,222603	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
260	CC140-47-12-1.20mm	Column	0,249876	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
262	CC140-47-12-1.20mm	Column	0,910219	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
266	CC140-47-12-1.20mm	Column	0,941618	PMM	1.2G+1.0Q+0.2S+1.0EXN	2,2
268	CC140-47-12-1.20mm	Beam	0,452631	Major Shear	1.2G+1.0Q+0.2S+1.0EXN	0,385
281	CC140-47-12-1.20mm	Brace	0,416577	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,47059

282	CC140-47-12-1.20mm	Brace	0,506975	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,47059
283	CC140-47-12-1.20mm	Brace	0,362226	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,47059
284	CC140-47-12-1.20mm	Brace	0,420494	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,47059
285	CC140-47-12-1.20mm	Brace	0,339927	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,47059
286	CC140-47-12-1.20mm	Brace	0,401898	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,47059
287	CC140-47-12-1.20mm	Brace	0,338335	PMM	0.9G+1.0EXP	0,47059
288	CC140-47-12-1.20mm	Brace	0,443302	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,47059
289	CC140-47-12-1.20mm	Brace	0,202827	PMM	0.9G+1.0EXP	0
290	CC140-47-12-1.20mm	Brace	0,241135	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,47059
311	CC140-47-12-1.20mm	Column	0,621862	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,22
312	CC140-47-12-1.20mm	Column	0,207407	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
317	CC140-47-12-1.20mm	Brace	0,542126	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,47059
318	CC140-47-12-1.20mm	Brace	0,522856	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,47059
319	CC140-47-12-1.20mm	Brace	0,462712	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,47059
320	CC140-47-12-1.20mm	Brace	0,47734	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
321	CC140-47-12-1.20mm	Brace	0,426613	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,47059
322	CC140-47-12-1.20mm	Brace	0,444395	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,47059
323	CC140-47-12-1.20mm	Brace	0,414905	PMM	0.9G+1.0EXN	0,47059
324	CC140-47-12-1.20mm	Brace	0,493821	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
325	CC140-47-12-1.20mm	Brace	0,229572	PMM	0.9G+1.0EXN	0
326	CC140-47-12-1.20mm	Brace	0,233366	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,47059
329	CC140-47-12-1.20mm	Beam	0,762292	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,29778
331	CC140-47-12-1.20mm	Beam	0,636687	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,29778
332	CC140-47-12-1.20mm	Beam	0,846934	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,07667
333	CC140-47-12-1.20mm	Beam	0,389115	PMM	0.9G+1.0EYP	0,29778
334	CC140-47-12-1.20mm	Beam	0,488525	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,08111
335	CC140-47-12-1.20mm	Beam	0,223393	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,29778
336	CC140-47-12-1.20mm	Beam	0,364371	PMM	0.9G+1.0EYP	0,08556
337	CC140-47-12-1.20mm	Beam	0,224139	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,29778
338	CC140-47-12-1.20mm	Beam	0,658394	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,09
339	CC140-47-12-1.20mm	Beam	0,328154	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,29778
340	CC140-47-12-1.20mm	Beam	0,834882	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,09444
341	CC140-47-12-1.20mm	Beam	0,823018	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,29778
343	CC140-47-12-1.20mm	Beam	0,523957	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
344	CC140-47-12-1.20mm	Beam	0,751421	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,10333
346	CC140-47-12-1.20mm	Beam	0,690445	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,10778
347	CC140-47-12-1.20mm	Beam	0,294032	PMM	0.9G+1.0EYP	0,29778
348	CC140-47-12-1.20mm	Beam	0,403137	PMM	0.9G+1.0EYP	0,11222
349	CC140-47-12-1.20mm	Beam	0,21863	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,29778
350	CC140-47-12-1.20mm	Beam	0,458316	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,11667
351	CC140-47-12-1.20mm	Beam	0,249639	PMM	0.9G+1.0EYP	0
352	CC140-47-12-1.20mm	Beam	0,818782	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,12111
353	CC140-47-12-1.20mm	Beam	0,403096	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,29778
355	CC140-47-12-1.20mm	Beam	0,742832	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,29778
383	CC140-47-12-1.20mm	Brace	0,226819	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
384	CC140-47-12-1.20mm	Brace	0,235976	PMM	1.2G+1.0Q+0.2S+1.0EYP	0

385	CC140-47-12-1.20mm	Brace	0,25507	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
386	CC140-47-12-1.20mm	Brace	0,195134	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,5217
387	CC140-47-12-1.20mm	Brace	0,273923	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,5217
388	CC140-47-12-1.20mm	Brace	0,218893	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,5217
389	CC140-47-12-1.20mm	Brace	0,246969	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,5217
390	CC140-47-12-1.20mm	Brace	0,179045	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,5217
391	CC140-47-12-1.20mm	Brace	0,210478	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,5217
392	CC140-47-12-1.20mm	Brace	0,162616	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
393	CC140-47-12-1.20mm	Brace	0,170015	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,5217
394	CC140-47-12-1.20mm	Brace	0,127585	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
395	CC140-47-12-1.20mm	Brace	0,142091	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
396	CC140-47-12-1.20mm	Brace	0,11949	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,5217
397	CC140-47-12-1.20mm	Brace	0,175928	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,5217
398	CC140-47-12-1.20mm	Brace	0,162569	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,5217
399	CC140-47-12-1.20mm	Brace	0,167352	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,5217
400	CC140-47-12-1.20mm	Brace	0,158437	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
401	CC140-47-12-1.20mm	Brace	0,210612	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,5217
402	CC140-47-12-1.20mm	Brace	0,226828	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
403	CC140-47-12-1.20mm	Brace	0,197871	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
404	CC140-47-12-1.20mm	Brace	0,218033	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
405	CC140-47-12-1.20mm	Brace	0,214992	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,5217
406	CC140-47-12-1.20mm	Brace	0,240324	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,5217
407	CC140-47-12-1.20mm	Brace	0,235845	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,5217
408	CC140-47-12-1.20mm	Brace	0,259998	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
409	CC140-47-12-1.20mm	Brace	0,295061	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,5217
410	CC140-47-12-1.20mm	Brace	0,316304	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
411	CC140-47-12-1.20mm	Brace	0,260605	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,5217
412	CC140-47-12-1.20mm	Brace	0,237102	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
413	CC140-47-12-1.20mm	Brace	0,225023	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,5217
414	CC140-47-12-1.20mm	Brace	0,213895	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,5217
415	CC140-47-12-1.20mm	Brace	0,235096	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,5217
416	CC140-47-12-1.20mm	Brace	0,218191	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
417	CC140-47-12-1.20mm	Brace	0,234165	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,5217
418	CC140-47-12-1.20mm	Brace	0,217691	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
419	CC140-47-12-1.20mm	Brace	0,171016	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
420	CC140-47-12-1.20mm	Brace	0,178159	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
421	CC140-47-12-1.20mm	Brace	0,179099	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,5217
422	CC140-47-12-1.20mm	Brace	0,194449	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
423	CC140-47-12-1.20mm	Brace	0,133437	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
424	CC140-47-12-1.20mm	Brace	0,148421	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
425	CC140-47-12-1.20mm	Brace	0,182308	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,5217
426	CC140-47-12-1.20mm	Brace	0,228723	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
427	CC140-47-12-1.20mm	Brace	0,156572	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,5217
429	CC140-47-12-1.20mm	Brace	0,204748	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
430	CC140-47-12-1.20mm	Brace	0,234887	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,5217
431	CC140-47-12-1.20mm	Brace	0,317253	PMM	1.2G+1.0Q+0.2S+1.0EXP	0

432	CC140-47-12-1.20mm	Brace	0,220336	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
433	CC140-47-12-1.20mm	Brace	0,274605	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
434	CC140-47-12-1.20mm	Brace	0,226297	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,5217
435	CC140-47-12-1.20mm	Brace	0,251587	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,5217
436	CC140-47-12-1.20mm	Brace	0,232799	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,5217
437	CC140-47-12-1.20mm	Brace	0,216139	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
441	CC140-47-12-1.20mm	Column	0,665867	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
442	CC140-47-12-1.20mm	Column	0,652585	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
443	CC140-47-12-1.20mm	Beam	0,739149	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
444	CC140-47-12-1.20mm	Beam	0,48891	Major Shear	1.2G+1.0Q+0.2S+1.0EXN	0
445	CC140-47-12-1.20mm	Beam	0,488854	Major Shear	1.2G+1.0Q+0.2S+1.0EXN	0
446	CC140-47-12-1.20mm	Beam	0,74645	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,385
449	CC140-47-12-1.20mm	Beam	0,286931	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
450	CC140-47-12-1.20mm	Beam	0,336051	Major Shear	1.2G+1.0Q+0.2S+1.0EXN	0
451	CC140-47-12-1.20mm	Beam	0,409816	Major Shear	1.2G+1.0Q+0.2S+1.0EXN	0
452	CC140-47-12-1.20mm	Beam	0,401926	Major Shear	1.2G+1.0Q+0.2S+1.0EXP	0,1
453	CC140-47-12-1.20mm	Beam	0,31973	Major Shear	1.2G+1.0Q+0.2S+1.0EXP	0,1
454	CC140-47-12-1.20mm	Beam	0,366233	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,416
456	CC140-47-12-1.20mm	Beam	0,6243	Major Shear	1.2G+1.0Q+0.2S+1.0EXN	0
457	CC140-47-12-1.20mm	Beam	0,647756	Major Shear	1.2G+1.0Q+0.2S+1.0EXP	0,1
459	CC140-47-12-1.20mm	Beam	0,710643	Major Shear	1.2G+1.0Q+0.2S+1.0EXN	0
460	CC140-47-12-1.20mm	Beam	0,439265	Major Shear	1.2G+1.0Q+0.2S+1.0EXN	0
461	CC140-47-12-1.20mm	Beam	0,467195	Major Shear	1.2G+1.0Q+0.2S+1.0EXP	0,1
462	CC140-47-12-1.20mm	Beam	0,767999	Major Shear	1.2G+1.0Q+0.2S+1.0EXP	0,1
463	CC140-47-12-1.00mm	Column	0,091957	PMM	1.2G+1.0Q+0.2S+1.0EXN	2,7
465	CC140-47-12-1.00mm	Column	0,497951	PMM	1.2G+1.0Q+0.2S+1.0EXN	2,2
466	CC140-47-12-1.00mm	Beam	0,247151	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
467	CC140-47-12-1.00mm	Brace	0,214407	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,50446
468	CC140-47-12-1.00mm	Brace	0,175074	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
469	CC140-47-12-1.00mm	Column	0,472476	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
472	CC140-47-12-1.00mm	Column	0,497643	PMM	1.2G+1.0Q+0.2S+1.0EXN	2,2
473	CC140-47-12-1.00mm	Column	0,682499	PMM	0.9G+1.0EXP	2,2
477	CC140-47-12-1.00mm	Beam	0,569524	PMM	0.9G+1.0EXP	2,66
509	CC140-47-12-1.00mm	Brace	0,119701	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
510	CC140-47-12-1.00mm	Brace	0,105378	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
511	CC140-47-12-1.00mm	Brace	0,08592	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
512	CC140-47-12-1.00mm	Brace	0,066348	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
513	CC140-47-12-1.00mm	Brace	0,163474	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52691
514	CC140-47-12-1.00mm	Brace	0,147989	PMM	0.9G+1.0EXP	0
515	CC140-47-12-1.00mm	Brace	0,06798	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
516	CC140-47-12-1.00mm	Brace	0,078636	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52691
517	CC140-47-12-1.00mm	Brace	0,086754	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52691
518	CC140-47-12-1.00mm	Brace	0,084818	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
519	CC140-47-12-1.00mm	Brace	0,073724	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52691
520	CC140-47-12-1.00mm	Brace	0,113645	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52691
521	CC140-47-12-1.00mm	Brace	0,107124	PMM	1.2G+1.0Q+0.2S+1.0EXP	0

522	CC140-47-12-1.00mm	Brace	0,105527	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
523	CC140-47-12-1.00mm	Brace	0,102163	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52691
524	CC140-47-12-1.00mm	Brace	0,149308	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52691
525	CC140-47-12-1.00mm	Column	0,095268	PMM	1.2G+1.0Q+0.2S+1.0EXP	2,7
526	CC140-47-12-1.00mm	Column	0,515113	PMM	1.2G+1.0Q+0.2S+1.0EXP	2,2
527	CC140-47-12-1.00mm	Beam	0,250408	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
528	CC140-47-12-1.00mm	Brace	0,217939	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,50446
529	CC140-47-12-1.00mm	Brace	0,181645	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
530	CC140-47-12-1.00mm	Column	0,496575	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
531	CC140-47-12-1.00mm	Column	0,50849	PMM	1.2G+1.0Q+0.2S+1.0EXP	2,2
533	CC140-47-12-1.00mm	Beam	0,584333	PMM	0.9G+1.0EXN	2,66
535	CC140-47-12-1.00mm	Brace	0,120439	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
536	CC140-47-12-1.00mm	Brace	0,099917	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
537	CC140-47-12-1.00mm	Brace	0,080371	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
538	CC140-47-12-1.00mm	Brace	0,060939	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
539	CC140-47-12-1.00mm	Brace	0,162074	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52691
540	CC140-47-12-1.00mm	Brace	0,141959	PMM	0.9G+1.0EXN	0
541	CC140-47-12-1.00mm	Brace	0,070932	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
542	CC140-47-12-1.00mm	Brace	0,082095	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52691
543	CC140-47-12-1.00mm	Brace	0,090628	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52691
544	CC140-47-12-1.00mm	Brace	0,090518	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
545	CC140-47-12-1.00mm	Brace	0,078945	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
546	CC140-47-12-1.00mm	Brace	0,112776	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52691
547	CC140-47-12-1.00mm	Brace	0,110257	PMM	0.9G+1.0EXN	0
548	CC140-47-12-1.00mm	Brace	0,107969	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
549	CC140-47-12-1.00mm	Brace	0,07931	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52691
550	CC140-47-12-1.00mm	Brace	0,111009	PMM	0.9G+1.0EXN	0,52691
551	CC140-47-12-1.00mm	Column	0,301191	PMM	1.2G+1.0Q+0.2S+1.0EXP	2
552	CC140-47-12-1.00mm	Column	0,29609	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
558	CC140-47-12-1.00mm	Column	0,503015	PMM	1.2G+1.0Q+0.2S+1.0EXP	2
562	CC140-47-12-1.20mm	Brace	0,098378	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
563	CC140-47-12-1.00mm	Brace	0,080304	PMM	0.9G+1.0EXP	0,61156
564	CC140-47-12-1.00mm	Brace	0,084134	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
565	CC140-47-12-1.00mm	Brace	0,076959	PMM	0.9G+1.0EXP	0
566	CC140-47-12-1.00mm	Brace	0,134686	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
567	CC140-47-12-1.00mm	Brace	0,110338	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
568	CC140-47-12-1.00mm	Brace	0,182439	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,61156
569	CC140-47-12-1.00mm	Brace	0,164813	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
570	CC140-47-12-1.00mm	Beam	0,725617	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,5
574	CC140-47-12-1.20mm	Beam	0,847229	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,52333
576	CC140-47-12-1.20mm	Beam	0,658886	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,476
577	CC140-47-12-1.20mm	Beam	0,834882	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,276
580	CC140-47-12-1.20mm	Beam	0,751421	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,134
581	CC140-47-12-1.20mm	Beam	0,690916	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,224
586	CC140-47-12-1.00mm	Beam	0,291453	Major Shear	1.2G+1.0Q+0.2S+1.0EXN	0
587	CC140-47-12-1.00mm	Beam	0,384637	PMM	1.2G+1.0Q+0.2S+1.0EXP	0

588	CC140-47-12-1.00mm	Beam	0,1776	Major Shear	1.2G+1.0Q+0.2S+1.0EXP	0,172
589	CC140-47-12-1.00mm	Beam	0,317376	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,57
590	CC140-47-12-1.00mm	Beam	0,307456	Major Shear	1.2G+1.0Q+0.2S+1.0EXP	0,11
591	CC140-47-12-1.00mm	Beam	0,115257	Major Shear	1.2G+1.0Q+0.2S+1.0EXN	0
592	CC140-47-12-1.00mm	Beam	0,338156	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
593	CC140-47-12-1.00mm	Beam	0,148811	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,172
594	CC140-47-12-1.00mm	Beam	0,173979	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,57
595	CC140-47-12-1.00mm	Beam	0,123217	Major Shear	1.2G+1.0Q+0.2S+1.0EXP	0,11
596	CC140-47-12-1.20mm	Column	0,30329	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
597	CC140-47-12-1.20mm	Brace	0,473979	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
598	CC140-47-12-1.20mm	Brace	0,465502	PMM	0.9G+1.0EYN	1,49617
599	CC140-47-12-1.20mm	Beam	0,3144	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
601	CC140-47-12-1.20mm	Column	0,461357	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,2
602	CC140-47-12-1.20mm	Column	0,290038	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
603	CC140-47-12-1.20mm	Column	0,271765	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
604	CC140-47-12-1.20mm	Column	0,267331	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
605	CC140-47-12-1.20mm	Column	0,754285	PMM	1.2G+1.0Q+0.2S+1.0EXN	2,5
606	CC140-47-12-1.20mm	Column	0,54496	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,2
610	CC140-47-12-1.20mm	Beam	0,085669	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,125
626	CC140-47-12-1.20mm	Brace	0,056489	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,534
627	CC140-47-12-1.20mm	Brace	0,062603	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
628	CC140-47-12-1.20mm	Brace	0,076189	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,534
629	CC140-47-12-1.20mm	Brace	0,085119	PMM	0.9G+1.0EXP	0,534
630	CC140-47-12-1.20mm	Brace	0,089845	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
631	CC140-47-12-1.20mm	Brace	0,125952	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
632	CC140-47-12-1.20mm	Brace	0,089863	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,534
633	CC140-47-12-1.20mm	Brace	0,09896	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,534
634	CC140-47-12-1.20mm	Column	0,133239	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
635	CC140-47-12-1.20mm	Column	0,346723	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
636	CC140-47-12-1.20mm	Beam	0,219156	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,63
637	CC140-47-12-1.20mm	Beam	0,207203	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
638	CC140-47-12-1.20mm	Brace	0,713373	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
639	CC140-47-12-1.20mm	Brace	0,703063	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,48977
640	CC140-47-12-1.20mm	Brace	0,701758	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
641	CC140-47-12-1.20mm	Brace	0,759426	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,48977
642	CC140-47-12-1.20mm	Column	0,575769	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,2
643	CC140-47-12-1.20mm	Column	0,287703	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,2
647	CC140-47-12-1.20mm	Beam	0,165723	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,72
667	CC140-47-12-1.20mm	Brace	0,096989	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
668	CC140-47-12-1.20mm	Brace	0,105461	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
669	CC140-47-12-1.20mm	Brace	0,079834	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
670	CC140-47-12-1.20mm	Brace	0,075368	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
671	CC140-47-12-1.20mm	Brace	0,150681	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,53141
672	CC140-47-12-1.20mm	Brace	0,070608	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,53141
673	CC140-47-12-1.20mm	Brace	0,070237	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
674	CC140-47-12-1.20mm	Brace	0,059562	PMM	1.2G+1.0Q+0.2S+1.0EYN	0

675	CC140-47-12-1.20mm	Brace	0,070075	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,53141
676	CC140-47-12-1.20mm	Brace	0,079069	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,53141
737	CC140-47-12-1.20mm	Column	0,327054	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,25
738	CC140-47-12-1.20mm	Brace	0,53541	PMM	0.9G+1.0EYP	0
739	CC140-47-12-1.20mm	Brace	0,559595	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,47733
740	CC140-47-12-1.20mm	Beam	0,19319	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
741	CC140-47-12-1.20mm	Column	0,205834	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
743	CC140-47-12-1.20mm	Column	0,578299	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,25
744	CC140-47-12-1.20mm	Column	0,30774	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
747	CC140-47-12-1.20mm	Beam	0,213586	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,645
748	CC140-47-12-1.20mm	Beam	0,226598	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
749	CC140-47-12-1.20mm	Beam	0,054778	PMM	0.9G+1.0EXP	0,6
750	CC140-47-12-1.20mm	Beam	0,081335	PMM	0.9G+1.0EYP	0,6
751	CC140-47-12-1.20mm	Beam	0,138997	PMM	0.9G+1.0EXP	0,6
752	CC140-47-12-1.20mm	Beam	0,307018	PMM	0.9G+1.0EXP	0
753	CC140-47-12-1.20mm	Beam	0,248158	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
754	CC140-47-12-1.20mm	Beam	0,206674	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
755	CC140-47-12-1.20mm	Beam	0,143144	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
756	CC140-47-12-1.20mm	Beam	0,125378	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,375
757	CC140-47-12-1.20mm	Beam	0,17501	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,1875
758	CC140-47-12-1.20mm	Beam	0,196207	PMM	0.9G+1.0EXP	0,63
759	CC140-47-12-1.20mm	Beam	0,243437	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,63
760	CC140-47-12-1.20mm	Beam	0,54697	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,013
761	CC140-47-12-1.20mm	Beam	0,493171	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
762	CC140-47-12-1.20mm	Beam	0,507243	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,293
763	CC140-47-12-1.20mm	Beam	0,321437	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
764	CC140-47-12-1.20mm	Beam	0,292455	PMM	0.9G+1.0EXP	0
765	CC140-47-12-1.20mm	Beam	0,356364	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,36
766	CC140-47-12-1.20mm	Beam	0,430938	PMM	0.9G+1.0EYN	0,353
767	CC140-47-12-1.20mm	Beam	0,32464	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
768	CC140-47-12-1.20mm	Beam	0,239374	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
769	CC140-47-12-1.20mm	Beam	0,150272	PMM	0.9G+1.0EXP	0,18
770	CC140-47-12-1.20mm	Beam	0,159324	PMM	0.9G+1.0EXP	0,098
771	CC140-47-12-1.20mm	Beam	0,309713	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
772	CC140-47-12-1.20mm	Beam	0,495678	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
773	CC140-47-12-1.20mm	Beam	0,071973	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,645
774	CC140-47-12-1.20mm	Beam	0,079581	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
775	CC140-47-12-1.20mm	Beam	0,015825	PMM	0.9G+1.0EYP	0,6
776	CC140-47-12-1.20mm	Beam	0,019813	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
777	CC140-47-12-1.20mm	Beam	0,017683	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
778	CC140-47-12-1.20mm	Beam	0,017565	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
779	CC140-47-12-1.20mm	Beam	0,047062	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,5
780	CC140-47-12-1.20mm	Beam	0,079178	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
781	CC140-47-12-1.20mm	Beam	0,057486	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,63
782	CC140-47-12-1.20mm	Beam	0,087086	PMM	0.9G+1.0EYN	0
783	CC140-47-12-1.20mm	Beam	0,016786	PMM	0.9G+1.0EYP	0,6

784	CC140-47-12-1.20mm	Beam	0,017703	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
785	CC140-47-12-1.20mm	Beam	0,023179	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
786	CC140-47-12-1.20mm	Beam	0,013784	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,8
787	CC140-47-12-1.20mm	Beam	0,02582	PMM	0.9G+1.0EYN	0
788	CC140-47-12-1.20mm	Beam	0,105739	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
789	CC140-47-12-1.20mm	Beam	0,100489	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
790	CC140-47-12-1.20mm	Beam	0,05156	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
791	CC140-47-12-1.20mm	Beam	0,055557	PMM	0.9G+1.0EYN	0
792	CC140-47-12-1.20mm	Beam	0,091818	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
793	CC140-47-12-1.20mm	Beam	0,258188	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
794	CC140-47-12-1.20mm	Beam	0,106189	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,227
795	CC140-47-12-1.20mm	Beam	0,246062	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,32
796	CC140-47-12-1.20mm	Beam	0,347021	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
799	CC140-47-12-1.20mm	Beam	0,085046	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
800	CC140-47-12-1.20mm	Beam	0,115216	PMM	0.9G+1.0EYN	0
801	CC140-47-12-1.20mm	Beam	0,060874	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
802	CC140-47-12-1.20mm	Beam	0,090995	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
803	CC140-47-12-1.20mm	Beam	0,199394	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
804	CC140-47-12-1.20mm	Beam	0,504958	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
805	CC140-47-12-1.20mm	Beam	0,342018	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
806	CC140-47-12-1.20mm	Beam	0,144841	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,32
807	CC140-47-12-1.20mm	Beam	0,154324	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
808	CC140-47-12-1.20mm	Beam	0,880875	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
809	CC140-47-12-1.20mm	Beam	0,888811	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
810	CC140-47-12-1.20mm	Beam	0,099569	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,098
811	CC140-47-12-1.20mm	Beam	0,115661	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
813	CC140-47-12-1.00mm	Column	0,194871	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
814	CC140-47-12-1.00mm	Brace	0,277226	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,49617
815	CC140-47-12-1.00mm	Brace	0,252777	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
816	CC140-47-12-1.00mm	Column	0,217923	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
817	CC140-47-12-1.00mm	Column	0,218406	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
818	CC140-47-12-1.00mm	Column	0,21524	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
819	CC140-47-12-1.00mm	Column	0,242427	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
820	CC140-47-12-1.00mm	Column	0,159313	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,25
821	CC140-47-12-1.00mm	Brace	0,295887	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
822	CC140-47-12-1.00mm	Brace	0,222267	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,47733
823	CC140-47-12-1.00mm	Beam	0,299565	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
824	CC140-47-12-1.00mm	Column	0,226741	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
825	CC140-47-12-1.00mm	Column	0,226179	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
826	CC140-47-12-1.00mm	Column	0,196478	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
827	CC140-47-12-1.00mm	Column	0,154518	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,5
828	CC140-47-12-1.00mm	Column	0,227124	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,25
829	CC140-47-12-1.00mm	Column	0,261013	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,25
830	CC140-47-12-1.00mm	Column	0,253579	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,25
831	CC140-47-12-1.00mm	Column	0,267931	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
832	CC140-47-12-1.00mm	Column	0,262423	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5

833	CC140-47-12-1.00mm	Column	0,278548	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
834	CC140-47-12-1.00mm	Column	0,084045	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
835	CC140-47-12-1.00mm	Column	0,205082	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
836	CC140-47-12-1.00mm	Column	0,178914	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,7
837	CC140-47-12-1.00mm	Column	0,156966	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,25
838	CC140-47-12-1.00mm	Column	0,140226	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,25
839	CC140-47-12-1.00mm	Beam	0,164333	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
840	CC140-47-12-1.00mm	Beam	0,15697	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
841	CC140-47-12-1.00mm	Brace	0,382265	PMM	0.9G+1.0EYN	0
842	CC140-47-12-1.00mm	Brace	0,473915	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,47733
843	CC140-47-12-1.00mm	Brace	0,492286	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
844	CC140-47-12-1.00mm	Brace	0,468459	PMM	0.9G+1.0EYN	1,4745
852	CC140-47-12-1.20mm	Beam	0,626202	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
853	CC140-47-12-1.20mm	Beam	0,53877	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
854	CC140-47-12-1.20mm	Beam	0,661364	PMM	0.9G+1.0EYN	0,527
855	CC140-47-12-1.20mm	Beam	0,632172	PMM	0.9G+1.0EYN	0
859	CC140-47-12-1.20mm	Beam	0,236853	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
863	CC140-47-12-1.20mm	Beam	0,567091	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
864	CC140-47-12-1.20mm	Beam	0,411164	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,127
865	CC140-47-12-1.20mm	Beam	0,447388	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,405
866	CC140-47-12-1.20mm	Beam	0,481488	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,405
867	CC140-47-12-1.20mm	Beam	0,4061	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
868	CC140-47-12-1.20mm	Beam	0,422742	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,105
869	CC140-47-12-1.20mm	Beam	0,332949	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
870	CC140-47-12-1.00mm	Beam	0,199745	PMM	0.9G+1.0EYN	0,645
871	CC140-47-12-1.00mm	Beam	0,255564	PMM	0.9G+1.0EYN	0
872	CC140-47-12-1.00mm	Beam	0,160619	PMM	0.9G+1.0EXP	0,29786
873	CC140-47-12-1.00mm	Beam	0,121878	PMM	0.9G+1.0EXP	0,6
874	CC140-47-12-1.00mm	Beam	0,480155	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
876	CC140-47-12-1.00mm	Beam	0,765008	PMM	0.9G+1.0EXP	0
877	CC140-47-12-1.00mm	Beam	0,884026	PMM	0.9G+1.0EXP	0,6
878	CC140-47-12-1.00mm	Beam	0,736139	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,555
882	CC140-47-12-1.00mm	Beam	0,69305	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,307
883	CC140-47-12-1.00mm	Beam	0,340334	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,105
887	CC140-47-12-1.00mm	Beam	0,600774	PMM	0.9G+1.0EYN	0
888	CC140-47-12-1.00mm	Beam	0,531493	PMM	0.9G+1.0EYN	0
889	CC140-47-12-1.00mm	Beam	0,661051	PMM	0.9G+1.0EXP	0,6
890	CC140-47-12-1.00mm	Beam	0,720283	PMM	0.9G+1.0EXP	0,105
891	CC140-47-12-1.00mm	Beam	0,77835	PMM	0.9G+1.0EXP	0,6
892	CC140-47-12-1.00mm	Beam	0,096059	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
893	CC140-47-12-1.00mm	Beam	0,0955	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
894	CC140-47-12-1.00mm	Beam	0,125684	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
895	CC140-47-12-1.00mm	Beam	0,300436	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
896	CC140-47-12-1.00mm	Beam	0,63342	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
897	CC140-47-12-1.00mm	Beam	0,256874	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
898	CC140-47-12-1.00mm	Beam	0,442464	PMM	0.9G+1.0EXP	0,6

899	CC140-47-12-1.00mm	Beam	0,577855	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
900	CC140-47-12-1.00mm	Beam	0,58358	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
901	CC140-47-12-1.00mm	Beam	0,296707	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
902	CC140-47-12-1.00mm	Beam	0,40389	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
904	CC140-47-12-1.00mm	Beam	0,280769	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
905	CC140-47-12-1.00mm	Beam	0,257001	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
906	CC140-47-12-1.00mm	Beam	0,106521	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
907	CC140-47-12-1.00mm	Beam	0,119034	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
908	CC140-47-12-1.00mm	Beam	0,126898	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
909	CC140-47-12-1.00mm	Beam	0,103636	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
910	CC140-47-12-1.00mm	Beam	0,064722	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
911	CC140-47-12-1.00mm	Beam	0,078116	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
912	CC140-47-12-1.00mm	Beam	0,08753	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
913	CC140-47-12-1.00mm	Beam	0,190238	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
914	CC140-47-12-1.00mm	Beam	0,531915	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
915	CC140-47-12-1.00mm	Beam	0,208143	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
916	CC140-47-12-1.00mm	Beam	0,257622	PMM	0.9G+1.0EXP	0,6
917	CC140-47-12-1.00mm	Beam	0,309097	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
918	CC140-47-12-1.00mm	Beam	0,304522	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
919	CC140-47-12-1.00mm	Beam	0,308883	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
920	CC140-47-12-1.00mm	Beam	0,185335	PMM	0.9G+1.0EYP	0,6
922	CC140-47-12-1.00mm	Beam	0,153184	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
923	CC140-47-12-1.00mm	Beam	0,131526	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
924	CC140-47-12-1.00mm	Beam	0,15072	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
925	CC140-47-12-1.00mm	Beam	0,17261	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
926	CC140-47-12-1.00mm	Beam	0,181854	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
927	CC140-47-12-1.00mm	Beam	0,046913	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
950	CC140-47-12-1.20mm	Column	0,325889	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
951	CC140-47-12-1.20mm	Brace	0,499923	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
952	CC140-47-12-1.20mm	Brace	0,479203	PMM	0.9G+1.0EYN	1,49617
953	CC140-47-12-1.20mm	Beam	0,326906	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
954	CC140-47-12-1.20mm	Column	0,489536	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,2
955	CC140-47-12-1.20mm	Column	0,308643	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
956	CC140-47-12-1.20mm	Column	0,284475	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
957	CC140-47-12-1.20mm	Column	0,281085	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
958	CC140-47-12-1.20mm	Column	0,769098	PMM	1.2G+1.0Q+0.2S+1.0EXP	2,5
959	CC140-47-12-1.20mm	Column	0,641641	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,2
960	CC140-47-12-1.20mm	Beam	0,086031	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,125
961	CC140-47-12-1.20mm	Brace	0,050074	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,534
962	CC140-47-12-1.20mm	Brace	0,065969	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,534
963	CC140-47-12-1.20mm	Brace	0,073293	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,534
964	CC140-47-12-1.20mm	Brace	0,086229	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,534
965	CC140-47-12-1.20mm	Brace	0,092685	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
966	CC140-47-12-1.20mm	Brace	0,123909	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
967	CC140-47-12-1.20mm	Brace	0,098488	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,534
968	CC140-47-12-1.20mm	Brace	0,104578	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,534

969	CC140-47-12-1.20mm	Column	0,142957	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
970	CC140-47-12-1.20mm	Column	0,366993	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
971	CC140-47-12-1.20mm	Beam	0,236875	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,63
972	CC140-47-12-1.20mm	Beam	0,224241	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
973	CC140-47-12-1.20mm	Brace	0,771315	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
974	CC140-47-12-1.20mm	Brace	0,754096	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,48977
975	CC140-47-12-1.20mm	Brace	0,751555	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
976	CC140-47-12-1.20mm	Brace	0,818397	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,48977
977	CC140-47-12-1.20mm	Column	0,617513	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,2
978	CC140-47-12-1.20mm	Column	0,323923	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,2
979	CC140-47-12-1.20mm	Beam	0,16836	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,72
980	CC140-47-12-1.20mm	Brace	0,09605	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
981	CC140-47-12-1.20mm	Brace	0,112734	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
982	CC140-47-12-1.20mm	Brace	0,08184	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,53141
983	CC140-47-12-1.20mm	Brace	0,084439	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
984	CC140-47-12-1.20mm	Brace	0,155393	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,53141
985	CC140-47-12-1.20mm	Brace	0,073364	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,53141
986	CC140-47-12-1.20mm	Brace	0,073581	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
987	CC140-47-12-1.20mm	Brace	0,061789	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
988	CC140-47-12-1.20mm	Brace	0,073511	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,53141
989	CC140-47-12-1.20mm	Brace	0,083515	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,53141
990	CC140-47-12-1.20mm	Column	0,26508	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,5
991	CC140-47-12-1.20mm	Brace	0,638856	PMM	0.9G+1.0EYP	0
992	CC140-47-12-1.20mm	Brace	0,655446	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,47733
993	CC140-47-12-1.20mm	Beam	0,236793	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
994	CC140-47-12-1.20mm	Column	0,225774	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,5
996	CC140-47-12-1.20mm	Column	0,596285	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,25
997	CC140-47-12-1.20mm	Column	0,327211	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
998	CC140-47-12-1.20mm	Beam	0,184691	PMM	0.9G+1.0EYP	0,645
999	CC140-47-12-1.20mm	Beam	0,189106	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1000	CC140-47-12-1.20mm	Beam	0,044053	PMM	0.9G+1.0EXN	0,6
1001	CC140-47-12-1.20mm	Beam	0,053562	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1002	CC140-47-12-1.20mm	Beam	0,133277	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1003	CC140-47-12-1.20mm	Beam	0,616297	PMM	0.9G+1.0EXN	0
1004	CC140-47-12-1.20mm	Beam	0,568873	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1005	CC140-47-12-1.20mm	Beam	0,53203	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1006	CC140-47-12-1.20mm	Beam	0,476805	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1007	CC140-47-12-1.20mm	Beam	0,444047	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,375
1008	CC140-47-12-1.20mm	Beam	0,465129	PMM	0.9G+1.0EXN	0,1875
1009	CC140-47-12-1.20mm	Beam	0,51222	PMM	0.9G+1.0EXN	0,63
1010	CC140-47-12-1.20mm	Beam	0,551338	PMM	0.9G+1.0EXN	0,63
1011	CC140-47-12-1.20mm	Beam	0,572329	PMM	0.9G+1.0EXN	0,32
1012	CC140-47-12-1.20mm	Beam	0,605391	PMM	0.9G+1.0EXN	0,6
1013	CC140-47-12-1.20mm	Beam	0,623082	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1014	CC140-47-12-1.20mm	Beam	0,307009	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
1015	CC140-47-12-1.20mm	Beam	0,3052	PMM	1.2G+1.0Q+0.2S+1.0EXN	0

1016	CC140-47-12-1.20mm	Beam	0,296835	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,36
1017	CC140-47-12-1.20mm	Beam	0,378766	PMM	0.9G+1.0EYN	0,353
1018	CC140-47-12-1.20mm	Beam	0,272801	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1019	CC140-47-12-1.20mm	Beam	0,115359	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1020	CC140-47-12-1.20mm	Beam	0,14707	PMM	0.9G+1.0EXN	0,18
1021	CC140-47-12-1.20mm	Beam	0,158019	PMM	0.9G+1.0EXN	0,098
1022	CC140-47-12-1.20mm	Beam	0,31939	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
1023	CC140-47-12-1.20mm	Beam	0,517214	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1024	CC140-47-12-1.20mm	Beam	0,078024	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,645
1025	CC140-47-12-1.20mm	Beam	0,085889	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1026	CC140-47-12-1.20mm	Beam	0,017036	PMM	0.9G+1.0EYP	0,6
1027	CC140-47-12-1.20mm	Beam	0,02155	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1028	CC140-47-12-1.20mm	Beam	0,019295	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1029	CC140-47-12-1.20mm	Beam	0,019083	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1030	CC140-47-12-1.20mm	Beam	0,05009	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,5
1031	CC140-47-12-1.20mm	Beam	0,084332	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1032	CC140-47-12-1.20mm	Beam	0,06142	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,63
1033	CC140-47-12-1.20mm	Beam	0,092654	PMM	0.9G+1.0EYN	0
1034	CC140-47-12-1.20mm	Beam	0,018013	PMM	0.9G+1.0EYP	0,6
1035	CC140-47-12-1.20mm	Beam	0,019141	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1036	CC140-47-12-1.20mm	Beam	0,024975	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1037	CC140-47-12-1.20mm	Beam	0,014587	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,8
1038	CC140-47-12-1.20mm	Beam	0,028054	Major Shear	0.9G+1.0EYN	0
1039	CC140-47-12-1.20mm	Beam	0,103466	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1040	CC140-47-12-1.20mm	Beam	0,106161	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1041	CC140-47-12-1.20mm	Beam	0,05695	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1042	CC140-47-12-1.20mm	Beam	0,056616	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1043	CC140-47-12-1.20mm	Beam	0,082283	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1044	CC140-47-12-1.20mm	Beam	0,215862	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
1045	CC140-47-12-1.20mm	Beam	0,114666	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,227
1046	CC140-47-12-1.20mm	Beam	0,249224	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,32
1047	CC140-47-12-1.20mm	Beam	0,354478	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1050	CC140-47-12-1.20mm	Beam	0,093354	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1051	CC140-47-12-1.20mm	Beam	0,125421	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1052	CC140-47-12-1.20mm	Beam	0,046012	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1053	CC140-47-12-1.20mm	Beam	0,074887	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1054	CC140-47-12-1.20mm	Beam	0,187213	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1055	CC140-47-12-1.20mm	Beam	0,513932	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1056	CC140-47-12-1.20mm	Beam	0,332213	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1057	CC140-47-12-1.20mm	Beam	0,143748	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,32
1058	CC140-47-12-1.20mm	Beam	0,159754	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1059	CC140-47-12-1.20mm	Beam	0,913368	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1060	CC140-47-12-1.20mm	Beam	0,922825	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1061	CC140-47-12-1.20mm	Beam	0,099373	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,098
1062	CC140-47-12-1.20mm	Beam	0,112255	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1063	CC140-47-12-1.00mm	Column	0,200632	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5

1064	CC140-47-12-1.00mm	Brace	0,282608	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,49617
1065	CC140-47-12-1.00mm	Brace	0,236978	PMM	0.9G+1.0EYN	0
1066	CC140-47-12-1.00mm	Column	0,211802	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
1067	CC140-47-12-1.00mm	Column	0,217507	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
1068	CC140-47-12-1.00mm	Column	0,223424	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
1069	CC140-47-12-1.00mm	Column	0,257061	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1070	CC140-47-12-1.00mm	Column	0,166923	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,25
1071	CC140-47-12-1.00mm	Brace	0,314774	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1072	CC140-47-12-1.00mm	Brace	0,226867	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,47733
1073	CC140-47-12-1.00mm	Beam	0,298278	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1074	CC140-47-12-1.00mm	Column	0,238831	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
1075	CC140-47-12-1.00mm	Column	0,235132	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
1076	CC140-47-12-1.00mm	Column	0,203788	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
1077	CC140-47-12-1.00mm	Column	0,160423	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,5
1078	CC140-47-12-1.00mm	Column	0,238944	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,5
1079	CC140-47-12-1.00mm	Column	0,262653	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,25
1080	CC140-47-12-1.00mm	Column	0,264494	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,5
1081	CC140-47-12-1.00mm	Column	0,286746	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
1082	CC140-47-12-1.00mm	Column	0,279367	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
1083	CC140-47-12-1.00mm	Column	0,339931	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,7
1084	CC140-47-12-1.00mm	Column	0,081225	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1085	CC140-47-12-1.00mm	Column	0,220153	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
1086	CC140-47-12-1.00mm	Column	0,176201	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
1087	CC140-47-12-1.00mm	Column	0,154547	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,25
1088	CC140-47-12-1.00mm	Column	0,147182	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,25
1089	CC140-47-12-1.00mm	Beam	0,158951	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1090	CC140-47-12-1.00mm	Beam	0,158123	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1091	CC140-47-12-1.00mm	Brace	0,381396	PMM	0.9G+1.0EYN	0
1092	CC140-47-12-1.00mm	Brace	0,479357	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,47733
1093	CC140-47-12-1.00mm	Brace	0,478557	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1094	CC140-47-12-1.00mm	Brace	0,450199	PMM	0.9G+1.0EYN	1,4745
1102	CC140-47-12-1.20mm	Beam	0,251701	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1106	CC140-47-12-1.20mm	Beam	0,474377	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1107	CC140-47-12-1.20mm	Beam	0,331945	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,127
1108	CC140-47-12-1.20mm	Beam	0,423483	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,405
1109	CC140-47-12-1.20mm	Beam	0,507956	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,405
1110	CC140-47-12-1.20mm	Beam	0,825475	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1111	CC140-47-12-1.20mm	Beam	0,650813	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1112	CC140-47-12-1.20mm	Beam	0,557843	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1113	CC140-47-12-1.00mm	Beam	0,264756	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1114	CC140-47-12-1.00mm	Beam	0,326001	PMM	0.9G+1.0EYN	0
1115	CC140-47-12-1.00mm	Beam	0,238644	PMM	0.9G+1.0EXN	0,29786
1116	CC140-47-12-1.00mm	Beam	0,156741	PMM	0.9G+1.0EXN	0
1117	CC140-47-12-1.00mm	Beam	0,52382	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1121	CC140-47-12-1.00mm	Beam	0,806856	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,555
1125	CC140-47-12-1.00mm	Beam	0,774538	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,307

1126	CC140-47-12-1.00mm	Beam	0,402263	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,105
1131	CC140-47-12-1.00mm	Beam	0,856675	PMM	0.9G+1.0EYN	0
1132	CC140-47-12-1.00mm	Beam	0,866008	PMM	0.9G+1.0EXN	0,6
1133	CC140-47-12-1.00mm	Beam	0,938723	PMM	0.9G+1.0EXN	0,105
1135	CC140-47-12-1.00mm	Beam	0,123899	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1136	CC140-47-12-1.00mm	Beam	0,140083	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1137	CC140-47-12-1.00mm	Beam	0,14404	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1138	CC140-47-12-1.00mm	Beam	0,368798	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1139	CC140-47-12-1.00mm	Beam	0,685096	PMM	0.9G+1.0EXN	0
1140	CC140-47-12-1.00mm	Beam	0,299163	PMM	0.9G+1.0EXN	0
1141	CC140-47-12-1.00mm	Beam	0,473301	PMM	0.9G+1.0EXN	0,6
1142	CC140-47-12-1.00mm	Beam	0,600479	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
1143	CC140-47-12-1.00mm	Beam	0,605243	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1144	CC140-47-12-1.00mm	Beam	0,310587	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1145	CC140-47-12-1.00mm	Beam	0,422543	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1147	CC140-47-12-1.00mm	Beam	0,270823	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1148	CC140-47-12-1.00mm	Beam	0,249345	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1149	CC140-47-12-1.00mm	Beam	0,113357	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1150	CC140-47-12-1.00mm	Beam	0,123991	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1151	CC140-47-12-1.00mm	Beam	0,119105	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1152	CC140-47-12-1.00mm	Beam	0,095373	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1153	CC140-47-12-1.00mm	Beam	0,064616	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1154	CC140-47-12-1.00mm	Beam	0,0666	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1155	CC140-47-12-1.00mm	Beam	0,076504	PMM	0.9G+1.0EYP	0,6
1156	CC140-47-12-1.00mm	Beam	0,216661	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1157	CC140-47-12-1.00mm	Beam	0,532758	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1158	CC140-47-12-1.00mm	Beam	0,200945	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1159	CC140-47-12-1.00mm	Beam	0,249768	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1160	CC140-47-12-1.00mm	Beam	0,286816	PMM	0.9G+1.0EXN	0,6
1161	CC140-47-12-1.00mm	Beam	0,290442	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1162	CC140-47-12-1.00mm	Beam	0,279248	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1163	CC140-47-12-1.00mm	Beam	0,118474	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
1165	CC140-47-12-1.00mm	Beam	0,137432	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1166	CC140-47-12-1.00mm	Beam	0,133772	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1167	CC140-47-12-1.00mm	Beam	0,15257	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1168	CC140-47-12-1.00mm	Beam	0,174689	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1169	CC140-47-12-1.00mm	Beam	0,179056	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1170	CC140-47-12-1.00mm	Beam	0,047176	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1171	CC140-47-12-1.20mm	Column	0,400118	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,5
1173	CC140-47-12-1.20mm	Beam	0,221233	Major Shear	1.2G+1.0Q+0.2S+1.0EXP	0,05
1174	CC140-47-12-1.20mm	Beam	0,20426	Major Shear	1.2G+1.0Q+0.2S+1.0EYP	0,05
1175	CC140-47-12-1.00mm	Beam	0,000066	Major Shear	1.4G	0
1176	CC140-47-12-1.00mm	Beam	0,000066	Major Shear	1.4G	0
1179	CC140-47-12-1.00mm	Column	0,714267	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1180	CC140-47-12-1.20mm	Column	0,580274	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
1183	CC140-47-12-1.20mm	Column	0,533948	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25

1184	CC140-47-12-1.00mm	Column	0,752537	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
1185	CC140-47-12-1.20mm	Column	0,440739	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
1186	CC140-47-12-1.00mm	Column	0,730086	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
1187	CC140-47-12-1.20mm	Column	0,44688	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,25
1188	CC140-47-12-1.00mm	Column	0,709983	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
1191	CC140-47-12-1.20mm	Column	0,450435	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
1192	CC140-47-12-1.00mm	Column	0,695914	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
1193	CC140-47-12-1.20mm	Column	0,456899	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,5
1194	CC140-47-12-1.00mm	Column	0,729585	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,25
1195	CC140-47-12-1.20mm	Column	0,576254	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,5
1196	CC140-47-12-1.00mm	Column	0,759198	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
1199	CC140-47-12-1.20mm	Column	0,198296	PMM	1.2G+1.0Q+0.2S+1.0EXN	2,7
1203	CC140-47-12-1.20mm	Column	0,825873	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,25
1205	CC140-47-12-1.20mm	Column	0,908355	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,25
1206	CC140-47-12-1.00mm	Column	0,74495	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
1207	CC140-47-12-1.20mm	Column	0,5235	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
1208	CC140-47-12-1.00mm	Column	0,737607	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
1209	CC140-47-12-1.20mm	Column	0,475983	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
1210	CC140-47-12-1.00mm	Column	0,663252	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,5
1211	CC140-47-12-1.20mm	Column	0,570595	PMM	0.9G+1.0EYN	1,25
1212	CC140-47-12-1.00mm	Column	0,733091	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
1215	CC140-47-12-1.20mm	Column	0,669419	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
1216	CC140-47-12-1.00mm	Column	0,865164	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,35
1217	CC140-47-12-1.20mm	Column	0,478782	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
1218	CC140-47-12-1.00mm	Column	0,624535	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
1220	CC140-47-12-1.00mm	Column	0,459763	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,5
1223	CC140-47-12-1.00mm	Beam	0,795329	PMM	1.2G+1.0Q+0.2S+1.0EYP	9,045
1225	CC140-47-12-1.20mm	Beam	0,334073	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
1226	CC140-47-12-1.20mm	Beam	0,365486	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1227	CC140-47-12-1.20mm	Beam	0,074589	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1228	CC140-47-12-1.20mm	Beam	0,07238	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
1229	CC140-47-12-1.20mm	Beam	0,265771	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1230	CC140-47-12-1.20mm	Beam	0,262618	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1231	CC140-47-12-1.20mm	Beam	0,175786	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1232	CC140-47-12-1.20mm	Beam	0,172771	PMM	0.9G+1.0EYP	0,6
1233	CC140-47-12-1.20mm	Beam	0,671842	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
1234	CC140-47-12-1.20mm	Beam	0,259717	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1235	CC140-47-12-1.20mm	Beam	0,250885	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
1236	CC140-47-12-1.20mm	Beam	0,849821	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1237	CC140-47-12-1.20mm	Beam	0,726475	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
1238	CC140-47-12-1.20mm	Beam	0,698223	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1239	CC140-47-12-1.20mm	Beam	0,128798	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1240	CC140-47-12-1.20mm	Beam	0,09535	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1241	CC140-47-12-1.20mm	Beam	0,519665	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1242	CC140-47-12-1.20mm	Beam	0,50146	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1243	CC140-47-12-1.20mm	Beam	0,887773	PMM	1.2G+1.0Q+0.2S+1.0EYN	0

1244	CC140-47-12-1.20mm	Beam	0,442177	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1245	CC140-47-12-1.20mm	Beam	0,333603	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1246	CC140-47-12-1.20mm	Beam	0,20835	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1247	CC140-47-12-1.20mm	Beam	0,223392	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1248	CC140-47-12-1.20mm	Beam	0,026285	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1249	CC140-47-12-1.20mm	Beam	0,036887	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1250	CC140-47-12-1.20mm	Beam	0,027266	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1251	CC140-47-12-1.20mm	Beam	0,036621	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1252	CC140-47-12-1.20mm	Beam	0,052361	Major Shear	1.2G+1.0Q+0.2S+1.0EYP	0,045
1253	CC140-47-12-1.20mm	Beam	0,030542	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1254	CC140-47-12-1.20mm	Beam	0,026119	PMM	0.9G+1.0EYN	0
1255	CC140-47-12-1.20mm	Beam	0,111823	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1256	CC140-47-12-1.20mm	Beam	0,101814	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1257	CC140-47-12-1.20mm	Beam	0,102399	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
1258	CC140-47-12-1.20mm	Beam	0,113433	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1259	CC140-47-12-1.20mm	Beam	0,028171	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,352
1260	CC140-47-12-1.20mm	Beam	0,02874	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1261	CC140-47-12-1.20mm	Beam	0,027756	PMM	0.9G+1.0EYN	0
1262	CC140-47-12-1.20mm	Beam	0,033365	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
1263	CC140-47-12-1.20mm	Beam	0,028577	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1264	CC140-47-12-1.20mm	Beam	0,125748	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
1265	CC140-47-12-1.20mm	Beam	0,149738	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1266	CC140-47-12-1.20mm	Beam	0,055813	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,15
1267	CC140-47-12-1.20mm	Brace	0,628689	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,47733
1268	CC140-47-12-1.20mm	Brace	0,616157	PMM	0.9G+1.0EYN	1,47733
1269	CC140-47-12-1.20mm	Beam	0,170548	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1271	CC140-47-12-1.00mm	Brace	0,247983	PMM	0.9G+1.0EYN	1,47733
1272	CC140-47-12-1.00mm	Beam	0,005055	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
1273	CC140-47-12-1.00mm	Brace	0,807701	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1274	CC140-47-12-1.00mm	Brace	0,252607	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,47733
1275	CC140-47-12-1.00mm	Beam	0,217487	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1276	CC140-47-12-1.20mm	Brace	0,705413	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1277	CC140-47-12-1.20mm	Brace	0,602818	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,47733
1278	CC140-47-12-1.20mm	Beam	0,194328	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1280	CC140-47-12-1.00mm	Brace	0,489503	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,47733
1282	CC140-47-12-1.00mm	Brace	0,46951	PMM	0.9G+1.0EYP	1,47733
1283	CC140-47-12-1.00mm	Beam	0,240622	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1284	CC140-47-12-1.00mm	Beam	0,25242	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1289	CC140-47-12-1.20mm	Beam	0,337919	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1290	CC140-47-12-1.20mm	Beam	0,341654	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1291	CC140-47-12-1.00mm	Beam	0,187567	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1292	CC140-47-12-1.00mm	Beam	0,153191	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1293	CC140-47-12-1.00mm	Beam	0,134827	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1294	CC140-47-12-1.00mm	Beam	0,242	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
1296	CC140-47-12-1.00mm	Beam	0,203662	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1297	CC140-47-12-1.00mm	Beam	0,150359	PMM	1.2G+1.0Q+0.2S+1.0EYN	0

1298	CC140-47-12-1.00mm	Beam	0,16096	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1299	CC140-47-12-1.00mm	Beam	0,272148	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
1301	CC140-47-12-1.00mm	Beam	0,44989	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
1302	CC140-47-12-1.00mm	Beam	0,424758	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1303	CC140-47-12-1.00mm	Beam	0,217322	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1304	CC140-47-12-1.00mm	Beam	0,439274	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
1305	CC140-47-12-1.00mm	Beam	0,460874	PMM	0.9G+1.0EXN	0,45
1306	CC140-47-12-1.00mm	Beam	0,467805	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1307	CC140-47-12-1.00mm	Beam	0,329106	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1308	CC140-47-12-1.00mm	Beam	0,007765	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1309	CC140-47-12-1.20mm	Beam	0,248034	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1310	CC140-47-12-1.20mm	Beam	0,096016	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1311	CC140-47-12-1.20mm	Beam	0,101478	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1312	CC140-47-12-1.20mm	Beam	0,15745	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
1314	CC140-47-12-1.20mm	Beam	0,09504	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1315	CC140-47-12-1.20mm	Beam	0,117932	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1316	CC140-47-12-1.20mm	Beam	0,143153	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1317	CC140-47-12-1.20mm	Beam	0,270213	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
1319	CC140-47-12-1.20mm	Beam	0,429638	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1320	CC140-47-12-1.20mm	Beam	0,239895	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1321	CC140-47-12-1.20mm	Beam	0,13196	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1322	CC140-47-12-1.20mm	Beam	0,260041	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
1323	CC140-47-12-1.20mm	Beam	0,198921	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,45
1324	CC140-47-12-1.20mm	Beam	0,133747	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,15
1325	CC140-47-12-1.00mm	Beam	0,196674	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1326	CC140-47-12-1.00mm	Beam	0,230082	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1327	CC140-47-12-1.00mm	Beam	0,229089	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1328	CC140-47-12-1.00mm	Beam	0,334839	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1329	CC140-47-12-1.00mm	Beam	0,878136	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,045
1330	CC140-47-12-1.00mm	Beam	0,39357	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1331	CC140-47-12-1.00mm	Beam	0,358404	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1332	CC140-47-12-1.00mm	Beam	0,796838	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1333	CC140-47-12-1.00mm	Beam	0,419342	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1335	CC140-47-12-1.00mm	Beam	0,379623	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1336	CC140-47-12-1.00mm	Beam	0,334432	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1337	CC140-47-12-1.00mm	Beam	0,288112	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1338	CC140-47-12-1.00mm	Beam	0,20613	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1339	CC140-47-12-1.00mm	Beam	0,309364	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,45
1340	CC140-47-12-1.00mm	Beam	0,167815	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1341	CC140-47-12-1.00mm	Beam	0,139138	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1342	CC140-47-12-1.00mm	Beam	0,009432	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1343	CC140-47-12-1.20mm	Beam	0,142986	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1344	CC140-47-12-1.20mm	Beam	0,090329	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1345	CC140-47-12-1.20mm	Beam	0,089554	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1346	CC140-47-12-1.20mm	Beam	0,357738	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1347	CC140-47-12-1.20mm	Beam	0,605195	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,045

1348	CC140-47-12-1.20mm	Beam	0,257441	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1349	CC140-47-12-1.20mm	Beam	0,144835	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1350	CC140-47-12-1.20mm	Beam	0,179882	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1351	CC140-47-12-1.20mm	Beam	0,246761	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
1353	CC140-47-12-1.20mm	Beam	0,309924	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1354	CC140-47-12-1.20mm	Beam	0,149956	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1355	CC140-47-12-1.20mm	Beam	0,119868	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1356	CC140-47-12-1.20mm	Beam	0,143128	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1357	CC140-47-12-1.20mm	Beam	0,278404	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,45
1358	CC140-47-12-1.20mm	Beam	0,134159	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1384	CC140-47-12-1.00mm	Brace	0,444919	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1385	CC140-47-12-1.00mm	Brace	0,516204	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,81821
1386	CC140-47-12-1.00mm	Brace	0,358832	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1387	CC140-47-12-1.00mm	Brace	0,348742	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,64812
1392	CC140-47-12-1.00mm	Beam	0,594424	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1394	CC140-47-12-1.00mm	Beam	0,69305	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,352
1398	CC140-47-12-1.00mm	Column	0,254209	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,85493
1399	CC140-47-12-1.00mm	Column	0,198588	PMM	0.9G+1.0EYP	0,88498
1400	CC140-47-12-1.00mm	Column	0,135697	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1404	CC140-47-12-1.00mm	Column	0,219638	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,83835
1405	CC140-47-12-1.00mm	Column	0,437593	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,8589
1406	CC140-47-12-1.00mm	Column	0,163444	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1407	CC140-47-12-1.00mm	Brace	0,393816	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1408	CC140-47-12-1.00mm	Brace	0,198625	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1410	CC140-47-12-1.00mm	Brace	0,263846	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,67998
1411	CC140-47-12-1.00mm	Brace	0,216628	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1412	CC140-47-12-1.00mm	Brace	0,251442	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,64558
1413	CC140-47-12-1.00mm	Brace	0,330655	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1414	CC140-47-12-1.00mm	Brace	0,450337	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1415	CC140-47-12-1.00mm	Brace	0,25488	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1416	CC140-47-12-1.00mm	Brace	0,229387	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,99998
1417	CC140-47-12-1.00mm	Brace	0,359132	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1418	CC140-47-12-1.00mm	Brace	0,153579	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,93146
1420	CC140-47-12-1.00mm	Beam	0,390483	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,2
1424	CC140-47-12-1.00mm	Beam	0,092354	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,2
1428	CC140-47-12-1.00mm	Column	0,057148	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1429	CC140-47-12-1.00mm	Column	0,118109	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1431	CC140-47-12-1.00mm	Beam	0,050091	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
1432	CC140-47-12-1.00mm	Beam	0,059309	PMM	0.9G+1.0EXN	0
1433	CC140-47-12-1.00mm	Brace	0,080094	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,02247
1434	CC140-47-12-1.00mm	Brace	0,065163	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1435	CC140-47-12-1.00mm	Brace	0,071421	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1436	CC140-47-12-1.00mm	Brace	0,056762	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1439	CC80-47-12-1.00mm	Beam	0,504928	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,5
1441	CC80-47-12-1.00mm	Beam	0,66051	PMM	1.2G+1.0Q+0.2S+1.0EXP	5,9
1444	CC80-47-12-1.00mm	Brace	0,848823	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,32729

1446	CC80-47-12-1.00mm	Brace	0,694236	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,41665
1447	CC80-47-12-1.00mm	Column	0,143813	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1449	CC80-47-12-1.00mm	Column	0,131414	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1458	CC80-47-12-1.00mm	Brace	0,54457	PMM	1.2G+1.0Q+0.2S+1.0EXN	3,74984
1465	CC80-47-12-1.00mm	Brace	0,099958	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,2851
1466	CC80-47-12-1.00mm	Brace	0,106564	PMM	1.2G+1.0Q+0.2S+1.0EXN	2,2851
1467	CC80-47-12-1.00mm	Brace	0,124057	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,97525
1468	CC80-47-12-1.00mm	Brace	0,214715	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1469	CC80-47-12-1.00mm	Brace	0,322274	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,66736
1470	CC80-47-12-1.00mm	Brace	0,414541	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1471	CC80-47-12-1.00mm	Brace	0,526672	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,36277
1472	CC80-47-12-1.00mm	Brace	0,500245	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1473	CC80-47-12-1.00mm	Brace	0,538316	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,0643
1474	CC80-47-12-1.00mm	Brace	0,459615	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1475	CC80-47-12-1.00mm	Brace	0,398563	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,77905
1476	CC80-47-12-1.00mm	Brace	0,374028	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1477	CC80-47-12-1.00mm	Brace	0,370753	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1478	CC80-47-12-1.00mm	Brace	0,323753	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52882
1480	CC80-47-12-1.00mm	Beam	0,555011	PMM	1.2G+1.0Q+0.2S+1.0EYP	3,105
1487	CC80-47-12-1.00mm	Brace	0,64025	PMM	1.2G+1.0Q+0.2S+1.0EXN	3,60014
1495	CC80-47-12-1.00mm	Column	0,422159	PMM	0.9G+1.0EYN	2,20099
1497	CC80-47-12-1.00mm	Brace	0,153364	PMM	0.9G+1.0EYN	1,94211
1498	CC80-47-12-1.00mm	Brace	0,249628	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1499	CC80-47-12-1.00mm	Brace	0,099899	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,68408
1500	CC80-47-12-1.00mm	Brace	0,07791	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1501	CC80-47-12-1.00mm	Brace	0,117312	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,42737
1502	CC80-47-12-1.00mm	Brace	0,082531	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1503	CC80-47-12-1.00mm	Brace	0,118675	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,17285
1504	CC80-47-12-1.00mm	Brace	0,124931	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1505	CC80-47-12-1.00mm	Brace	0,127267	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,92233
1506	CC80-47-12-1.00mm	Brace	0,201679	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1507	CC80-47-12-1.00mm	Brace	0,148541	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,68025
1508	CC80-47-12-1.00mm	Brace	0,252217	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1509	CC80-47-12-1.00mm	Brace	0,262711	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,46012
1510	CC80-47-12-1.00mm	Brace	0,278913	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,46012
1511	CC140-47-12-1.00mm	Brace	0,466504	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1512	CC140-47-12-1.00mm	Brace	0,602363	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,81821
1513	CC140-47-12-1.00mm	Brace	0,121282	PMM	0.9G+1.0EXN	0,32406
1514	CC140-47-12-1.00mm	Brace	0,174483	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1515	CC140-47-12-1.00mm	Beam	0,34395	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1518	CC140-47-12-1.00mm	Column	0,123665	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,85493
1519	CC140-47-12-1.00mm	Column	0,505682	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,86995
1520	CC140-47-12-1.00mm	Column	0,186987	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,88498
1522	CC140-47-12-1.00mm	Column	0,134112	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1523	CC140-47-12-1.00mm	Column	0,722905	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,8589
1524	CC140-47-12-1.00mm	Column	0,1626	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,87945

1525	CC140-47-12-1.00mm	Brace	0,372408	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1526	CC140-47-12-1.00mm	Brace	0,072711	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,77046
1527	CC140-47-12-1.00mm	Brace	0,085696	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,67998
1528	CC140-47-12-1.00mm	Brace	0,078536	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1529	CC140-47-12-1.00mm	Brace	0,108291	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,64558
1530	CC140-47-12-1.00mm	Brace	0,104885	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1531	CC140-47-12-1.00mm	Brace	0,554445	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1532	CC140-47-12-1.00mm	Brace	0,200878	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1533	CC140-47-12-1.00mm	Brace	0,098925	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1534	CC140-47-12-1.00mm	Brace	0,257764	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1535	CC140-47-12-1.00mm	Brace	0,158672	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,93146
1536	CC140-47-12-1.00mm	Beam	0,443562	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1537	CC140-47-12-1.00mm	Beam	0,185261	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,3
1538	CC140-47-12-1.00mm	Column	0,122889	PMM	0.9G+1.0EYN	0
1539	CC140-47-12-1.00mm	Column	0,249153	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1540	CC140-47-12-1.00mm	Beam	0,045131	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1541	CC140-47-12-1.00mm	Beam	0,060253	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1542	CC140-47-12-1.00mm	Brace	0,075193	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1543	CC140-47-12-1.00mm	Brace	0,059507	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1544	CC140-47-12-1.00mm	Brace	0,054827	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1545	CC140-47-12-1.00mm	Brace	0,048385	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,01454
1546	CC80-47-12-1.00mm	Beam	0,27079	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1549	CC80-47-12-1.00mm	Brace	0,877571	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,41665
1550	CC80-47-12-1.00mm	Column	0,186992	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1551	CC80-47-12-1.00mm	Column	0,253556	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1559	CC80-47-12-1.00mm	Brace	0,874898	PMM	1.2G+1.0Q+0.2S+1.0EXP	3,74984
1566	CC80-47-12-1.00mm	Brace	0,072291	PMM	0.9G+1.0EYP	0
1567	CC80-47-12-1.00mm	Brace	0,13384	PMM	1.2G+1.0Q+0.2S+1.0EXP	2,2851
1568	CC80-47-12-1.00mm	Brace	0,109656	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,97525
1569	CC80-47-12-1.00mm	Brace	0,240554	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1570	CC80-47-12-1.00mm	Brace	0,371642	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,66736
1571	CC80-47-12-1.00mm	Brace	0,510794	PMM	0.9G+1.0EXP	0
1572	CC80-47-12-1.00mm	Brace	0,569074	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,36277
1573	CC80-47-12-1.00mm	Brace	0,542962	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1574	CC80-47-12-1.00mm	Brace	0,416236	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,0643
1575	CC80-47-12-1.00mm	Brace	0,463943	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1576	CC80-47-12-1.00mm	Brace	0,248815	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1577	CC80-47-12-1.00mm	Brace	0,431447	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1578	CC80-47-12-1.00mm	Brace	0,22871	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1579	CC80-47-12-1.00mm	Brace	0,637333	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52882
1595	CC80-47-12-1.00mm	Column	0,463271	PMM	0.9G+1.0EYN	2,20099
1597	CC80-47-12-1.00mm	Brace	0,114954	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,94211
1598	CC80-47-12-1.00mm	Brace	0,301019	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1599	CC80-47-12-1.00mm	Brace	0,141246	PMM	0.9G+1.0EYN	0
1600	CC80-47-12-1.00mm	Brace	0,332834	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,68408
1601	CC80-47-12-1.00mm	Brace	0,149657	PMM	1.2G+1.0Q+0.2S+1.0EYP	0

1602	CC80-47-12-1.00mm	Brace	0,19721	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,42737
1603	CC80-47-12-1.00mm	Brace	0,226298	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1604	CC80-47-12-1.00mm	Brace	0,270226	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1605	CC80-47-12-1.00mm	Brace	0,16941	PMM	0.9G+1.0EYP	0
1606	CC80-47-12-1.00mm	Brace	0,377725	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1607	CC80-47-12-1.00mm	Brace	0,119032	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1608	CC80-47-12-1.00mm	Brace	0,475436	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1609	CC80-47-12-1.00mm	Brace	0,41649	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,46012
1610	CC80-47-12-1.00mm	Brace	0,790596	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,46012
1611	CC140-47-12-1.00mm	Brace	0,518771	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1612	CC140-47-12-1.00mm	Brace	0,618562	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,81821
1613	CC140-47-12-1.00mm	Brace	0,391068	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1614	CC140-47-12-1.00mm	Brace	0,37945	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,64812
1615	CC140-47-12-1.00mm	Beam	0,215116	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1616	CC140-47-12-1.00mm	Beam	0,233112	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,75
1618	CC140-47-12-1.00mm	Column	0,086095	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,85493
1619	CC140-47-12-1.00mm	Column	0,100758	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,88498
1620	CC140-47-12-1.00mm	Column	0,063088	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1622	CC140-47-12-1.00mm	Column	0,103902	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1623	CC140-47-12-1.00mm	Column	0,073866	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,8589
1624	CC140-47-12-1.00mm	Column	0,046434	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1625	CC140-47-12-1.00mm	Brace	0,157941	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,72202
1626	CC140-47-12-1.00mm	Brace	0,185336	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1627	CC140-47-12-1.00mm	Brace	0,185052	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,67998
1628	CC140-47-12-1.00mm	Brace	0,172823	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1629	CC140-47-12-1.00mm	Brace	0,226378	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,64558
1630	CC140-47-12-1.00mm	Brace	0,301845	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1631	CC140-47-12-1.00mm	Brace	0,18016	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,84314
1632	CC140-47-12-1.00mm	Brace	0,220431	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1633	CC140-47-12-1.00mm	Brace	0,132693	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,99998
1634	CC140-47-12-1.00mm	Brace	0,305313	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1635	CC140-47-12-1.00mm	Brace	0,197933	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,93146
1636	CC140-47-12-1.00mm	Beam	0,306565	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1637	CC140-47-12-1.00mm	Beam	0,015953	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,3
1638	CC140-47-12-1.00mm	Column	0,012682	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1639	CC140-47-12-1.00mm	Column	0,010719	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,9
1640	CC140-47-12-1.00mm	Beam	0,042765	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
1641	CC140-47-12-1.00mm	Beam	0,049032	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1642	CC140-47-12-1.00mm	Brace	0,051588	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,02247
1643	CC140-47-12-1.00mm	Brace	0,041489	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,02247
1644	CC140-47-12-1.00mm	Brace	0,041635	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1645	CC140-47-12-1.00mm	Brace	0,048779	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1646	CC80-47-12-1.00mm	Beam	0,640174	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,5
1647	CC80-47-12-1.00mm	Beam	0,618783	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,5
1649	CC80-47-12-1.00mm	Brace	0,943664	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,41665
1650	CC80-47-12-1.00mm	Column	0,217518	PMM	1.2G+1.0Q+0.2S+1.0EXP	0

1651	CC80-47-12-1.00mm	Column	0,33173	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1666	CC80-47-12-1.00mm	Brace	0,095788	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,2851
1667	CC80-47-12-1.00mm	Brace	0,057757	PMM	1.2G+1.0Q+0.2S+1.0EXP	2,2851
1668	CC80-47-12-1.00mm	Brace	0,106702	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,97525
1669	CC80-47-12-1.00mm	Brace	0,05834	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1670	CC80-47-12-1.00mm	Brace	0,121537	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,66736
1671	CC80-47-12-1.00mm	Brace	0,087588	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1672	CC80-47-12-1.00mm	Brace	0,139853	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,36277
1673	CC80-47-12-1.00mm	Brace	0,150522	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1674	CC80-47-12-1.00mm	Brace	0,15337	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,0643
1675	CC80-47-12-1.00mm	Brace	0,274768	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1676	CC80-47-12-1.00mm	Brace	0,166293	PMM	0.9G+1.0EXN	0,77905
1677	CC80-47-12-1.00mm	Brace	0,468873	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1678	CC80-47-12-1.00mm	Brace	0,263683	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52882
1679	CC80-47-12-1.00mm	Brace	0,754274	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52882
1680	CC80-47-12-1.00mm	Beam	0,267934	PMM	1.2G+1.0Q+0.2S+1.0EYP	4,2
1695	CC80-47-12-1.00mm	Column	0,358886	PMM	1.2G+1.0Q+0.5S	0
1696	CC80-47-12-1.00mm	Column	0,055611	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1697	CC80-47-12-1.00mm	Brace	0,107526	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,94211
1698	CC80-47-12-1.00mm	Brace	0,052804	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1699	CC80-47-12-1.00mm	Brace	0,099028	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,68408
1700	CC80-47-12-1.00mm	Brace	0,060177	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1701	CC80-47-12-1.00mm	Brace	0,08533	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,42737
1702	CC80-47-12-1.00mm	Brace	0,081248	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1703	CC80-47-12-1.00mm	Brace	0,090256	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,17285
1704	CC80-47-12-1.00mm	Brace	0,133237	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1705	CC80-47-12-1.00mm	Brace	0,12891	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,92233
1706	CC80-47-12-1.00mm	Brace	0,237443	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1707	CC80-47-12-1.00mm	Brace	0,202803	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,68025
1708	CC80-47-12-1.00mm	Brace	0,409125	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1709	CC80-47-12-1.00mm	Brace	0,379233	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,46012
1711	CC140-47-12-1.00mm	Brace	0,502766	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1712	CC140-47-12-1.00mm	Brace	0,591488	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,81821
1713	CC140-47-12-1.00mm	Brace	0,151498	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1714	CC140-47-12-1.00mm	Brace	0,195009	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,64812
1715	CC140-47-12-1.00mm	Beam	0,165601	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1716	CC140-47-12-1.00mm	Beam	0,146254	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,75
1718	CC140-47-12-1.00mm	Column	0,045648	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,88498
1719	CC140-47-12-1.00mm	Column	0,058579	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,88498
1720	CC140-47-12-1.00mm	Column	0,023734	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1722	CC140-47-12-1.00mm	Column	0,09774	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1723	CC140-47-12-1.00mm	Column	0,03835	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,87945
1724	CC140-47-12-1.00mm	Column	0,018311	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1725	CC140-47-12-1.00mm	Brace	0,123386	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1726	CC140-47-12-1.00mm	Brace	0,0544	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,77046
1727	CC140-47-12-1.00mm	Brace	0,057723	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,67998

1728	CC140-47-12-1.00mm	Brace	0,073331	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1729	CC140-47-12-1.00mm	Brace	0,059987	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,64558
1730	CC140-47-12-1.00mm	Brace	0,141147	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1731	CC140-47-12-1.00mm	Brace	0,103649	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,84314
1732	CC140-47-12-1.00mm	Brace	0,185868	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1733	CC140-47-12-1.00mm	Brace	0,117785	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,99998
1734	CC140-47-12-1.00mm	Brace	0,299206	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1735	CC140-47-12-1.00mm	Brace	0,198862	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,93146
1736	CC140-47-12-1.00mm	Beam	0,187475	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1737	CC140-47-12-1.00mm	Beam	0,016261	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,3
1738	CC140-47-12-1.00mm	Column	0,014388	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1739	CC140-47-12-1.00mm	Column	0,011322	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,9
1740	CC140-47-12-1.00mm	Beam	0,043031	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1741	CC140-47-12-1.00mm	Beam	0,047115	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1742	CC140-47-12-1.00mm	Brace	0,050793	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,02247
1743	CC140-47-12-1.00mm	Brace	0,039895	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1744	CC140-47-12-1.00mm	Brace	0,035165	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,01454
1745	CC140-47-12-1.00mm	Brace	0,043285	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1746	CC80-47-12-1.00mm	Beam	0,275132	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1747	CC80-47-12-1.00mm	Beam	0,782488	PMM	1.2G+1.0Q+0.2S+1.0EXN	5,12857
1749	CC80-47-12-1.00mm	Brace	0,908537	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,41665
1750	CC80-47-12-1.00mm	Column	0,229701	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1751	CC80-47-12-1.00mm	Column	0,297237	PMM	0.9G+1.0EXP	0
1759	CC80-47-12-1.00mm	Brace	0,948869	PMM	1.2G+1.0Q+0.2S+1.0EXN	2,91654
1766	CC80-47-12-1.00mm	Brace	0,070317	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,2851
1767	CC80-47-12-1.00mm	Brace	0,046323	PMM	1.2G+1.0Q+0.2S+1.0EXN	2,2851
1768	CC80-47-12-1.00mm	Brace	0,087848	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,97525
1769	CC80-47-12-1.00mm	Brace	0,048986	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1770	CC80-47-12-1.00mm	Brace	0,111006	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,66736
1771	CC80-47-12-1.00mm	Brace	0,079574	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1772	CC80-47-12-1.00mm	Brace	0,134214	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,36277
1773	CC80-47-12-1.00mm	Brace	0,139658	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1774	CC80-47-12-1.00mm	Brace	0,153419	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,0643
1775	CC80-47-12-1.00mm	Brace	0,260124	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1776	CC80-47-12-1.00mm	Brace	0,167566	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,77905
1777	CC80-47-12-1.00mm	Brace	0,445931	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1778	CC80-47-12-1.00mm	Brace	0,254903	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52882
1779	CC80-47-12-1.00mm	Brace	0,749517	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52882
1780	CC80-47-12-1.00mm	Beam	0,364194	PMM	1.2G+1.0Q+0.2S+1.0EXN	3,6
1795	CC80-47-12-1.00mm	Column	0,268305	PMM	1.2G+1.0Q+0.5S	0
1796	CC80-47-12-1.00mm	Column	0,039476	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1797	CC80-47-12-1.00mm	Brace	0,055879	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,94211
1798	CC80-47-12-1.00mm	Brace	0,042472	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1799	CC80-47-12-1.00mm	Brace	0,046292	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,68408
1800	CC80-47-12-1.00mm	Brace	0,049679	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1801	CC80-47-12-1.00mm	Brace	0,064753	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,42737

1802	CC80-47-12-1.00mm	Brace	0,071053	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1803	CC80-47-12-1.00mm	Brace	0,088908	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,17285
1804	CC80-47-12-1.00mm	Brace	0,126478	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1805	CC80-47-12-1.00mm	Brace	0,125811	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,92233
1806	CC80-47-12-1.00mm	Brace	0,236563	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1807	CC80-47-12-1.00mm	Brace	0,199049	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,68025
1808	CC80-47-12-1.00mm	Brace	0,394283	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1809	CC80-47-12-1.00mm	Brace	0,360496	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,46012
1811	CC140-47-12-1.00mm	Brace	0,512329	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1812	CC140-47-12-1.00mm	Brace	0,616049	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,81821
1813	CC140-47-12-1.00mm	Brace	0,386128	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1814	CC140-47-12-1.00mm	Brace	0,381936	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,64812
1815	CC140-47-12-1.00mm	Beam	0,208354	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1816	CC140-47-12-1.00mm	Beam	0,228786	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,75
1818	CC140-47-12-1.00mm	Column	0,085989	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,85493
1819	CC140-47-12-1.00mm	Column	0,101503	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,88498
1820	CC140-47-12-1.00mm	Column	0,063484	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1822	CC140-47-12-1.00mm	Column	0,102888	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1823	CC140-47-12-1.00mm	Column	0,074626	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,8589
1824	CC140-47-12-1.00mm	Column	0,046513	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1825	CC140-47-12-1.00mm	Brace	0,158567	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,72202
1826	CC140-47-12-1.00mm	Brace	0,187308	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1827	CC140-47-12-1.00mm	Brace	0,185504	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,67998
1828	CC140-47-12-1.00mm	Brace	0,175406	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1829	CC140-47-12-1.00mm	Brace	0,229263	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,64558
1830	CC140-47-12-1.00mm	Brace	0,307069	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1831	CC140-47-12-1.00mm	Brace	0,181628	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,84314
1832	CC140-47-12-1.00mm	Brace	0,219311	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1833	CC140-47-12-1.00mm	Brace	0,135782	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,99998
1834	CC140-47-12-1.00mm	Brace	0,307994	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1835	CC140-47-12-1.00mm	Brace	0,192219	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,93146
1836	CC140-47-12-1.00mm	Beam	0,303395	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1837	CC140-47-12-1.00mm	Beam	0,016232	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,3
1838	CC140-47-12-1.00mm	Column	0,012802	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1839	CC140-47-12-1.00mm	Column	0,010839	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,9
1840	CC140-47-12-1.00mm	Beam	0,04309	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
1841	CC140-47-12-1.00mm	Beam	0,048552	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1842	CC140-47-12-1.00mm	Brace	0,051526	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,02247
1843	CC140-47-12-1.00mm	Brace	0,041797	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,02247
1844	CC140-47-12-1.00mm	Brace	0,041869	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1845	CC140-47-12-1.00mm	Brace	0,04789	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1846	CC80-47-12-1.00mm	Beam	0,634994	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,5
1847	CC80-47-12-1.00mm	Beam	0,643303	PMM	1.2G+1.0Q+0.2S+1.0EXN	5,12857
1850	CC80-47-12-1.00mm	Column	0,199978	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1851	CC80-47-12-1.00mm	Column	0,33819	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1866	CC80-47-12-1.00mm	Brace	0,096492	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,2851

1867	CC80-47-12-1.00mm	Brace	0,057325	PMM	1.2G+1.0Q+0.2S+1.0EXN	2,2851
1868	CC80-47-12-1.00mm	Brace	0,104819	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,97525
1869	CC80-47-12-1.00mm	Brace	0,058299	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1870	CC80-47-12-1.00mm	Brace	0,120023	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,66736
1871	CC80-47-12-1.00mm	Brace	0,088541	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1872	CC80-47-12-1.00mm	Brace	0,138256	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,36277
1873	CC80-47-12-1.00mm	Brace	0,151913	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1874	CC80-47-12-1.00mm	Brace	0,153855	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,0643
1875	CC80-47-12-1.00mm	Brace	0,275324	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1876	CC80-47-12-1.00mm	Brace	0,169753	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,77905
1877	CC80-47-12-1.00mm	Brace	0,46677	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1878	CC80-47-12-1.00mm	Brace	0,278125	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52882
1879	CC80-47-12-1.00mm	Brace	0,721869	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52882
1880	CC80-47-12-1.00mm	Beam	0,266649	PMM	1.2G+1.0Q+0.2S+1.0EYP	4,2
1895	CC80-47-12-1.00mm	Column	0,364478	PMM	1.2G+1.0Q+0.5S	0
1896	CC80-47-12-1.00mm	Column	0,056044	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1897	CC80-47-12-1.00mm	Brace	0,106762	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,94211
1898	CC80-47-12-1.00mm	Brace	0,053945	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1899	CC80-47-12-1.00mm	Brace	0,097755	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,68408
1900	CC80-47-12-1.00mm	Brace	0,060983	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1901	CC80-47-12-1.00mm	Brace	0,0839	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,42737
1902	CC80-47-12-1.00mm	Brace	0,081734	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1903	CC80-47-12-1.00mm	Brace	0,08941	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,17285
1904	CC80-47-12-1.00mm	Brace	0,133434	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1905	CC80-47-12-1.00mm	Brace	0,128468	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,92233
1906	CC80-47-12-1.00mm	Brace	0,237665	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1907	CC80-47-12-1.00mm	Brace	0,203846	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,68025
1908	CC80-47-12-1.00mm	Brace	0,412152	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1909	CC80-47-12-1.00mm	Brace	0,387386	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,46012
1911	CC140-47-12-1.00mm	Brace	0,506722	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1912	CC140-47-12-1.00mm	Brace	0,58644	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,81821
1913	CC140-47-12-1.00mm	Brace	0,155197	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1914	CC140-47-12-1.00mm	Brace	0,199464	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,64812
1915	CC140-47-12-1.00mm	Beam	0,159526	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1916	CC140-47-12-1.00mm	Beam	0,141065	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,75
1918	CC140-47-12-1.00mm	Column	0,045847	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,88498
1919	CC140-47-12-1.00mm	Column	0,059998	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,88498
1920	CC140-47-12-1.00mm	Column	0,024687	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1922	CC140-47-12-1.00mm	Column	0,096862	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1923	CC140-47-12-1.00mm	Column	0,040306	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,8589
1924	CC140-47-12-1.00mm	Column	0,018033	PMM	0.9G+1.0EXP	0
1925	CC140-47-12-1.00mm	Brace	0,119984	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1926	CC140-47-12-1.00mm	Brace	0,053518	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,77046
1927	CC140-47-12-1.00mm	Brace	0,057737	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,67998
1928	CC140-47-12-1.00mm	Brace	0,071192	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1929	CC140-47-12-1.00mm	Brace	0,062046	PMM	0.9G+1.0EXN	0,64558

1930	CC140-47-12-1.00mm	Brace	0,139008	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1931	CC140-47-12-1.00mm	Brace	0,101517	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,84314
1932	CC140-47-12-1.00mm	Brace	0,181466	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1933	CC140-47-12-1.00mm	Brace	0,116434	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,99998
1934	CC140-47-12-1.00mm	Brace	0,29305	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1935	CC140-47-12-1.00mm	Brace	0,197576	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,93146
1936	CC140-47-12-1.00mm	Beam	0,179034	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1937	CC140-47-12-1.00mm	Beam	0,016035	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,9
1938	CC140-47-12-1.00mm	Column	0,014644	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
1939	CC140-47-12-1.00mm	Column	0,011584	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,9
1940	CC140-47-12-1.00mm	Beam	0,044403	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
1941	CC140-47-12-1.00mm	Beam	0,048532	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1942	CC140-47-12-1.00mm	Brace	0,053679	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,02247
1943	CC140-47-12-1.00mm	Brace	0,042571	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1944	CC140-47-12-1.00mm	Brace	0,036269	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,01454
1945	CC140-47-12-1.00mm	Brace	0,043107	PMM	0.9G+1.0EXN	0
1946	CC80-47-12-1.00mm	Beam	0,286866	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1947	CC80-47-12-1.00mm	Beam	0,706592	PMM	1.2G+1.0Q+0.2S+1.0EXP	5,9
1949	CC80-47-12-1.00mm	Brace	0,923816	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,41665
1950	CC80-47-12-1.00mm	Column	0,20585	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1951	CC80-47-12-1.00mm	Column	0,292019	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1966	CC80-47-12-1.00mm	Brace	0,069311	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,2851
1967	CC80-47-12-1.00mm	Brace	0,04689	PMM	1.2G+1.0Q+0.2S+1.0EXP	2,2851
1968	CC80-47-12-1.00mm	Brace	0,089428	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,97525
1969	CC80-47-12-1.00mm	Brace	0,049303	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1970	CC80-47-12-1.00mm	Brace	0,11301	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,66736
1971	CC80-47-12-1.00mm	Brace	0,079651	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1972	CC80-47-12-1.00mm	Brace	0,135967	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,36277
1973	CC80-47-12-1.00mm	Brace	0,139685	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
1974	CC80-47-12-1.00mm	Brace	0,154069	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,0643
1975	CC80-47-12-1.00mm	Brace	0,260302	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1976	CC80-47-12-1.00mm	Brace	0,165708	PMM	0.9G+1.0EXN	0,77905
1977	CC80-47-12-1.00mm	Brace	0,445665	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1978	CC80-47-12-1.00mm	Brace	0,252545	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52882
1979	CC80-47-12-1.00mm	Brace	0,717644	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52882
1980	CC80-47-12-1.00mm	Beam	0,3328	PMM	1.2G+1.0Q+0.2S+1.0EXP	3,6
1995	CC80-47-12-1.00mm	Column	0,264337	PMM	1.2G+1.0Q+0.5S	0
1996	CC80-47-12-1.00mm	Column	0,03914	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
1997	CC80-47-12-1.00mm	Brace	0,056635	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,94211
1998	CC80-47-12-1.00mm	Brace	0,042371	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
1999	CC80-47-12-1.00mm	Brace	0,045761	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,68408
2000	CC80-47-12-1.00mm	Brace	0,04969	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2001	CC80-47-12-1.00mm	Brace	0,064176	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,42737
2002	CC80-47-12-1.00mm	Brace	0,070982	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2003	CC80-47-12-1.00mm	Brace	0,088295	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,17285
2004	CC80-47-12-1.00mm	Brace	0,125692	PMM	1.2G+1.0Q+0.2S+1.0EXN	0

2005	CC80-47-12-1.00mm	Brace	0,125299	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,92233
2006	CC80-47-12-1.00mm	Brace	0,235316	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2007	CC80-47-12-1.00mm	Brace	0,198087	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,68025
2008	CC80-47-12-1.00mm	Brace	0,389885	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2009	CC80-47-12-1.00mm	Brace	0,342059	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,46012
2010	CC80-47-12-1.00mm	Brace	0,941455	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,46012
2011	CC140-47-12-1.00mm	Brace	0,439035	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2012	CC140-47-12-1.00mm	Brace	0,504423	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,81821
2013	CC140-47-12-1.00mm	Brace	0,354584	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2014	CC140-47-12-1.00mm	Brace	0,349109	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,64812
2015	CC140-47-12-1.00mm	Beam	0,588998	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2016	CC140-47-12-1.00mm	Beam	0,774538	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,352
2018	CC140-47-12-1.00mm	Column	0,259693	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,85493
2019	CC140-47-12-1.00mm	Column	0,185341	PMM	0.9G+1.0EYP	0,88498
2020	CC140-47-12-1.00mm	Column	0,136456	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2022	CC140-47-12-1.00mm	Column	0,228645	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,83835
2023	CC140-47-12-1.00mm	Column	0,465208	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,8589
2024	CC140-47-12-1.00mm	Column	0,162428	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2025	CC140-47-12-1.00mm	Brace	0,370362	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2026	CC140-47-12-1.00mm	Brace	0,198125	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2027	CC140-47-12-1.00mm	Brace	0,260592	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,67998
2028	CC140-47-12-1.00mm	Brace	0,215973	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2029	CC140-47-12-1.00mm	Brace	0,247455	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,64558
2030	CC140-47-12-1.00mm	Brace	0,325926	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2031	CC140-47-12-1.00mm	Brace	0,454021	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2032	CC140-47-12-1.00mm	Brace	0,250346	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2033	CC140-47-12-1.00mm	Brace	0,227124	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,99998
2034	CC140-47-12-1.00mm	Brace	0,351488	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2035	CC140-47-12-1.00mm	Brace	0,160777	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,93146
2036	CC140-47-12-1.00mm	Beam	0,422167	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,2
2037	CC140-47-12-1.00mm	Beam	0,098774	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,2
2038	CC140-47-12-1.00mm	Column	0,061715	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2039	CC140-47-12-1.00mm	Column	0,130582	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2040	CC140-47-12-1.00mm	Beam	0,051154	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
2041	CC140-47-12-1.00mm	Beam	0,059321	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2042	CC140-47-12-1.00mm	Brace	0,081569	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,02247
2043	CC140-47-12-1.00mm	Brace	0,068638	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,02247
2044	CC140-47-12-1.00mm	Brace	0,073168	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2045	CC140-47-12-1.00mm	Brace	0,057003	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2046	CC80-47-12-1.00mm	Beam	0,513957	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,5
2047	CC80-47-12-1.00mm	Beam	0,716695	PMM	1.2G+1.0Q+0.2S+1.0EXN	5,9
2048	CC80-47-12-1.00mm	Brace	0,854007	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,32729
2049	CC80-47-12-1.00mm	Brace	0,686873	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,41665
2050	CC80-47-12-1.00mm	Column	0,133784	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2051	CC80-47-12-1.00mm	Column	0,130191	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2059	CC80-47-12-1.00mm	Brace	0,547718	PMM	1.2G+1.0Q+0.2S+1.0EXP	3,74984

2066	CC80-47-12-1.00mm	Brace	0,101678	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,2851
2067	CC80-47-12-1.00mm	Brace	0,108654	PMM	1.2G+1.0Q+0.2S+1.0EXP	2,2851
2068	CC80-47-12-1.00mm	Brace	0,129563	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,97525
2069	CC80-47-12-1.00mm	Brace	0,221642	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2070	CC80-47-12-1.00mm	Brace	0,333154	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,66736
2071	CC80-47-12-1.00mm	Brace	0,424637	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2072	CC80-47-12-1.00mm	Brace	0,530647	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,36277
2073	CC80-47-12-1.00mm	Brace	0,490337	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2074	CC80-47-12-1.00mm	Brace	0,507013	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,0643
2075	CC80-47-12-1.00mm	Brace	0,423831	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2076	CC80-47-12-1.00mm	Brace	0,333982	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,77905
2077	CC80-47-12-1.00mm	Brace	0,336664	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2078	CC80-47-12-1.00mm	Brace	0,323145	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2079	CC80-47-12-1.00mm	Brace	0,334256	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52882
2080	CC80-47-12-1.00mm	Beam	0,770509	PMM	1.2G+1.0Q+0.2S+1.0EYP	3,105
2087	CC80-47-12-1.00mm	Brace	0,643139	PMM	1.2G+1.0Q+0.2S+1.0EXP	3,60014
2095	CC80-47-12-1.00mm	Column	0,434611	PMM	0.9G+1.0EYN	2,20099
2097	CC80-47-12-1.00mm	Brace	0,158769	PMM	0.9G+1.0EYN	1,94211
2098	CC80-47-12-1.00mm	Brace	0,259976	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2099	CC80-47-12-1.00mm	Brace	0,099109	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,68408
2100	CC80-47-12-1.00mm	Brace	0,073701	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2101	CC80-47-12-1.00mm	Brace	0,111885	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,42737
2102	CC80-47-12-1.00mm	Brace	0,071712	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2103	CC80-47-12-1.00mm	Brace	0,118611	PMM	0.9G+1.0EYN	1,17285
2104	CC80-47-12-1.00mm	Brace	0,126015	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2105	CC80-47-12-1.00mm	Brace	0,120222	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,92233
2106	CC80-47-12-1.00mm	Brace	0,182714	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2107	CC80-47-12-1.00mm	Brace	0,147401	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,68025
2108	CC80-47-12-1.00mm	Brace	0,259607	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2109	CC80-47-12-1.00mm	Brace	0,235421	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,46012
2110	CC80-47-12-1.00mm	Brace	0,390047	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,46012
2126	CC140-47-12-1.00mm	Column	0,132883	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,40986
2130	CC140-47-12-1.00mm	Column	0,282129	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2134	CC140-47-12-1.00mm	Column	0,07402	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,40164
2138	CC140-47-12-1.00mm	Column	0,106899	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2142	CC140-47-12-1.00mm	Column	0,090024	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,40164
2146	CC140-47-12-1.00mm	Column	0,081818	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2150	CC140-47-12-1.00mm	Column	0,103609	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,40986
2154	CC140-47-12-1.00mm	Column	0,183816	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,40164
2158	CC140-47-12-1.00mm	Column	0,18408	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2162	CC140-47-12-1.00mm	Column	0,06383	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2166	CC140-47-12-1.00mm	Column	0,135318	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2170	CC140-47-12-1.00mm	Column	0,139929	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,40164
2174	CC140-47-12-1.00mm	Column	0,0586	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,40164
2178	CC140-47-12-1.00mm	Column	0,09994	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,40164
2182	CC140-47-12-1.00mm	Column	0,14667	PMM	1.2G+1.0Q+0.2S+1.0EYP	0

2186	CC140-47-12-1.00mm	Column	0,177613	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,40164
2190	CC140-47-12-1.00mm	Column	0,11069	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,40164
2194	CC140-47-12-1.00mm	Beam	0,630931	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2195	CC140-47-12-1.00mm	Beam	0,315985	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
2196	CC140-47-12-1.00mm	Beam	0,513073	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,3
2197	CC140-47-12-1.00mm	Beam	0,147067	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2198	CC140-47-12-1.00mm	Beam	0,188174	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2199	CC140-47-12-1.00mm	Beam	0,338586	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2200	CC140-47-12-1.00mm	Beam	0,226554	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2201	CC140-47-12-1.00mm	Beam	0,483356	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,35
2202	CC140-47-12-1.00mm	Beam	0,496174	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2203	CC140-47-12-1.00mm	Beam	0,206843	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2204	CC140-47-12-1.00mm	Beam	0,327875	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,35
2205	CC140-47-12-1.00mm	Beam	0,190338	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2206	CC140-47-12-1.00mm	Beam	0,147795	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2207	CC140-47-12-1.00mm	Beam	0,506275	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2208	CC140-47-12-1.00mm	Beam	0,354721	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
2209	CC140-47-12-1.00mm	Beam	0,570623	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,3
2226	CC140-47-12-1.00mm	Beam	0,508372	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2227	CC140-47-12-1.00mm	Beam	0,35685	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
2228	CC140-47-12-1.00mm	Beam	0,476127	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,3
2229	CC140-47-12-1.00mm	Beam	0,142792	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2230	CC140-47-12-1.00mm	Beam	0,18415	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2231	CC140-47-12-1.00mm	Beam	0,34707	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2232	CC140-47-12-1.00mm	Beam	0,277183	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2233	CC140-47-12-1.00mm	Beam	0,366596	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,35
2234	CC140-47-12-1.00mm	Beam	0,398348	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2235	CC140-47-12-1.00mm	Beam	0,247106	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2236	CC140-47-12-1.00mm	Beam	0,314083	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,35
2237	CC140-47-12-1.00mm	Beam	0,183534	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2238	CC140-47-12-1.00mm	Beam	0,142313	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2239	CC140-47-12-1.00mm	Beam	0,506183	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2240	CC140-47-12-1.00mm	Beam	0,334866	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
2241	CC140-47-12-1.00mm	Beam	0,474887	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,3
2242	CC140-47-12-1.00mm	Beam	0,453385	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2243	CC140-47-12-1.00mm	Beam	0,305807	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
2244	CC140-47-12-1.00mm	Beam	0,406169	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,3
2245	CC140-47-12-1.00mm	Beam	0,151832	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
2246	CC140-47-12-1.00mm	Beam	0,171363	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2247	CC140-47-12-1.00mm	Beam	0,333317	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2248	CC140-47-12-1.00mm	Beam	0,27255	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2249	CC140-47-12-1.00mm	Beam	0,359864	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,35
2250	CC140-47-12-1.00mm	Beam	0,392171	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2251	CC140-47-12-1.00mm	Beam	0,235558	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2252	CC140-47-12-1.00mm	Beam	0,305485	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,35
2253	CC140-47-12-1.00mm	Beam	0,171682	PMM	1.2G+1.0Q+0.2S+1.0EYP	0

2254	CC140-47-12-1.00mm	Beam	0,154391	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2255	CC140-47-12-1.00mm	Beam	0,4301	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2256	CC140-47-12-1.00mm	Beam	0,278809	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
2257	CC140-47-12-1.00mm	Beam	0,422984	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,3
2258	CC140-47-12-1.00mm	Beam	0,440213	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2259	CC140-47-12-1.00mm	Beam	0,302156	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
2260	CC140-47-12-1.00mm	Beam	0,419281	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,3
2261	CC140-47-12-1.00mm	Beam	0,144525	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
2262	CC140-47-12-1.00mm	Beam	0,170732	PMM	0.9G+1.0EYP	0,6
2263	CC140-47-12-1.00mm	Beam	0,330192	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2264	CC140-47-12-1.00mm	Beam	0,270708	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2265	CC140-47-12-1.00mm	Beam	0,417226	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,35
2266	CC140-47-12-1.00mm	Beam	0,445842	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2267	CC140-47-12-1.00mm	Beam	0,235912	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2268	CC140-47-12-1.00mm	Beam	0,305561	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,35
2269	CC140-47-12-1.00mm	Beam	0,174129	PMM	0.9G+1.0EYP	0
2270	CC140-47-12-1.00mm	Beam	0,147057	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2271	CC140-47-12-1.00mm	Beam	0,440216	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2272	CC140-47-12-1.00mm	Beam	0,299863	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
2273	CC140-47-12-1.00mm	Beam	0,397861	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,3
2284	CC140-47-12-1.00mm	Beam	0,750354	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2288	CC140-47-12-1.00mm	Column	0,513049	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2291	CC140-47-12-1.00mm	Column	0,337807	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2294	CC140-47-12-1.00mm	Column	0,155981	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,38521
2297	CC140-47-12-1.00mm	Column	0,160604	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,38521
2300	CC140-47-12-1.00mm	Column	0,176226	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,38521
2303	CC140-47-12-1.00mm	Column	0,139885	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,38521
2306	CC140-47-12-1.00mm	Column	0,464907	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2309	CC140-47-12-1.00mm	Column	0,25815	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,38521
2312	CC140-47-12-1.00mm	Column	0,208934	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,38521
2315	CC140-47-12-1.00mm	Column	0,133519	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,38521
2318	CC140-47-12-1.00mm	Column	0,192714	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,38521
2321	CC140-47-12-1.00mm	Column	0,22479	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,38521
2324	CC140-47-12-1.00mm	Column	0,134042	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,38521
2327	CC140-47-12-1.00mm	Column	0,1915	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,54085
2330	CC140-47-12-1.00mm	Column	0,167	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,54085
2333	CC140-47-12-1.00mm	Column	0,194543	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,38521
2336	CC140-47-12-1.00mm	Column	0,233737	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,38521
2339	CC140-47-12-1.00mm	Beam	0,538617	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2340	CC140-47-12-1.00mm	Beam	0,36152	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2341	CC140-47-12-1.00mm	Beam	0,465142	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,3
2342	CC140-47-12-1.00mm	Beam	0,294926	PMM	0.9G+1.0EXP	0
2343	CC140-47-12-1.00mm	Beam	0,292469	PMM	0.9G+1.0EXP	0,6
2344	CC140-47-12-1.00mm	Beam	0,339175	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2345	CC140-47-12-1.00mm	Beam	0,252272	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
2346	CC140-47-12-1.00mm	Beam	0,387387	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,35

2347	CC140-47-12-1.00mm	Beam	0,405748	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2348	CC140-47-12-1.00mm	Beam	0,273873	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2349	CC140-47-12-1.00mm	Beam	0,292424	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,35
2350	CC140-47-12-1.00mm	Beam	0,296481	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2351	CC140-47-12-1.00mm	Beam	0,291808	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2352	CC140-47-12-1.00mm	Beam	0,494893	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2353	CC140-47-12-1.00mm	Beam	0,350441	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2354	CC140-47-12-1.00mm	Beam	0,511653	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,3
2355	CC140-47-12-1.00mm	Beam	0,524984	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2356	CC140-47-12-1.00mm	Beam	0,333185	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2357	CC140-47-12-1.00mm	Beam	0,480884	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,3
2358	CC140-47-12-1.00mm	Beam	0,267038	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2359	CC140-47-12-1.00mm	Beam	0,26614	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2360	CC140-47-12-1.00mm	Beam	0,328554	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2361	CC140-47-12-1.00mm	Beam	0,248542	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
2362	CC140-47-12-1.00mm	Beam	0,393197	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,35
2363	CC140-47-12-1.00mm	Beam	0,411067	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2364	CC140-47-12-1.00mm	Beam	0,212895	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
2365	CC140-47-12-1.00mm	Beam	0,308357	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,35
2366	CC140-47-12-1.00mm	Beam	0,260031	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2367	CC140-47-12-1.00mm	Beam	0,261786	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2368	CC140-47-12-1.00mm	Beam	0,500382	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2369	CC140-47-12-1.00mm	Beam	0,361565	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
2370	CC140-47-12-1.00mm	Beam	0,491746	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,3
2391	CC140-47-12-1.00mm	Beam	0,714458	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2392	CC140-47-12-1.00mm	Beam	0,437094	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2393	CC140-47-12-1.00mm	Beam	0,689043	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,3
2394	CC140-47-12-1.00mm	Beam	0,22519	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2395	CC140-47-12-1.00mm	Beam	0,211997	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2396	CC140-47-12-1.00mm	Beam	0,364483	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2397	CC140-47-12-1.00mm	Beam	0,251739	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2398	CC140-47-12-1.00mm	Beam	0,374333	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,35
2399	CC140-47-12-1.00mm	Beam	0,393008	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2400	CC140-47-12-1.00mm	Beam	0,232996	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2401	CC140-47-12-1.00mm	Beam	0,34915	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,35
2402	CC140-47-12-1.00mm	Beam	0,204694	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2403	CC140-47-12-1.00mm	Beam	0,22567	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2404	CC140-47-12-1.00mm	Beam	0,698259	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2405	CC140-47-12-1.00mm	Beam	0,423594	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2406	CC140-47-12-1.00mm	Beam	0,699471	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,3
2407	CC140-47-12-1.00mm	Beam	0,743683	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2408	CC140-47-12-1.00mm	Beam	0,466983	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2409	CC140-47-12-1.00mm	Beam	0,723078	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,3
2410	CC140-47-12-1.00mm	Beam	0,37036	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2411	CC140-47-12-1.00mm	Beam	0,351775	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2412	CC140-47-12-1.00mm	Beam	0,400375	PMM	1.2G+1.0Q+0.2S+1.0EXP	0

2413	CC140-47-12-1.00mm	Beam	0,2586	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
2414	CC140-47-12-1.00mm	Beam	0,387925	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,35
2415	CC140-47-12-1.00mm	Beam	0,401605	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2416	CC140-47-12-1.00mm	Beam	0,256773	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2417	CC140-47-12-1.00mm	Beam	0,368099	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,35
2418	CC140-47-12-1.00mm	Beam	0,351667	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2419	CC140-47-12-1.00mm	Beam	0,36568	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2420	CC140-47-12-1.00mm	Beam	0,735485	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2421	CC140-47-12-1.00mm	Beam	0,457714	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2422	CC140-47-12-1.00mm	Beam	0,720686	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,3
2423	CATI PANEL 1.00mm	Beam	0,64563	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,5
2424	CATI PANEL 1.00mm	Beam	0,231393	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,2
2425	CATI PANEL 1.00mm	Beam	0,35404	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,55
2426	CATI PANEL 1.00mm	Beam	0,35919	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2427	CATI PANEL 1.00mm	Beam	0,227168	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2428	CATI PANEL 1.00mm	Beam	0,639104	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2429	CATI PANEL 1.00mm	Beam	0,873855	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2431	CATI PANEL 1.00mm	Beam	0,809829	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,55
2432	CATI PANEL 1.00mm	Beam	0,845901	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2434	CATI PANEL 1.00mm	Beam	0,862429	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,5
2454	CATI PANEL 1.00mm	Beam	0,897686	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,2
2455	CATI PANEL 1.00mm	Beam	0,91945	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,55
2456	CATI PANEL 1.00mm	Beam	0,924137	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2457	CATI PANEL 1.00mm	Beam	0,890326	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2459	CATI PANEL 1.00mm	Beam	0,692794	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2460	CATI PANEL 1.00mm	Beam	0,639413	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,2
2461	CATI PANEL 1.00mm	Beam	0,610771	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,55
2462	CATI PANEL 1.00mm	Beam	0,613977	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2463	CATI PANEL 1.00mm	Beam	0,632942	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2464	CATI PANEL 1.00mm	Beam	0,700833	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,5
2465	CATI PANEL 1.00mm	Beam	0,683593	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2466	CATI PANEL 1.00mm	Beam	0,314744	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,2
2467	CATI PANEL 1.00mm	Beam	0,364203	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,55
2468	CATI PANEL 1.00mm	Beam	0,372576	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2469	CATI PANEL 1.00mm	Beam	0,311899	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,2
2470	CATI PANEL 1.00mm	Beam	0,677286	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,5
2471	CATI PANEL 1.00mm	Beam	0,83798	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2472	CATI PANEL 1.00mm	Beam	0,23998	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,2
2473	CATI PANEL 1.00mm	Beam	0,358699	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,55
2474	CATI PANEL 1.00mm	Beam	0,360405	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2475	CATI PANEL 1.00mm	Beam	0,245728	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,2
2476	CATI PANEL 1.00mm	Beam	0,838321	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,5
2477	CATI PANEL 1.00mm	Beam	0,628248	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2478	CATI PANEL 1.00mm	Beam	0,246582	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2479	CATI PANEL 1.00mm	Beam	0,329379	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,55
2480	CATI PANEL 1.00mm	Beam	0,336078	PMM	1.2G+1.0Q+0.2S+1.0EYP	0

2481	CATI PANEL 1.00mm	Beam	0,241465	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,2
2482	CATI PANEL 1.00mm	Beam	0,62163	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,5
2483	CATI PANEL 1.00mm	Beam	0,767595	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2484	CATI PANEL 1.00mm	Beam	0,58625	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2485	CATI PANEL 1.00mm	Beam	0,602383	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,55
2486	CATI PANEL 1.00mm	Beam	0,600274	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2487	CATI PANEL 1.00mm	Beam	0,581506	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,2
2488	CATI PANEL 1.00mm	Beam	0,758864	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,5
2489	CATI PANEL 1.00mm	Beam	0,683405	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,5
2490	CATI PANEL 1.00mm	Beam	0,290273	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,2
2491	CATI PANEL 1.00mm	Beam	0,342283	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,55
2492	CATI PANEL 1.00mm	Beam	0,34838	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2493	CATI PANEL 1.00mm	Beam	0,288139	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2494	CATI PANEL 1.00mm	Beam	0,681541	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2498	CATI PANEL 1.00mm	Beam	0,94725	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2519	CATI PANEL 1.00mm	Beam	0,761655	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2520	CATI PANEL 1.00mm	Beam	0,769832	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2521	CATI PANEL 1.00mm	Beam	0,771622	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,55
2522	CATI PANEL 1.00mm	Beam	0,758806	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2523	CATI PANEL 1.00mm	Beam	0,775755	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,2
2524	CATI PANEL 1.00mm	Beam	0,760121	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,5
2525	CATI PANEL 1.00mm	Beam	0,682681	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2526	CATI PANEL 1.00mm	Beam	0,509967	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2527	CATI PANEL 1.00mm	Beam	0,541282	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,55
2528	CATI PANEL 1.00mm	Beam	0,529249	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2529	CATI PANEL 1.00mm	Beam	0,51554	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,2
2530	CATI PANEL 1.00mm	Beam	0,683297	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,5
2531	CATI PANEL 1.00mm	Beam	0,691755	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2532	CATI PANEL 1.00mm	Beam	0,258152	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2533	CATI PANEL 1.00mm	Beam	0,36983	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,55
2534	CATI PANEL 1.00mm	Beam	0,371673	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2535	CATI PANEL 1.00mm	Beam	0,263008	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,2
2536	CATI PANEL 1.00mm	Beam	0,691922	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,5
2537	CATI PANEL 1.00mm	Beam	0,702336	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2538	CATI PANEL 1.00mm	Beam	0,215405	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,2
2539	CATI PANEL 1.00mm	Beam	0,364601	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,55
2540	CATI PANEL 1.00mm	Beam	0,367556	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2541	CATI PANEL 1.00mm	Beam	0,207689	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2542	CATI PANEL 1.00mm	Beam	0,70088	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,5
2544	CC140-47-12-1.00mm	Column	0,660981	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,5
2546	CC140-47-12-1.00mm	Column	0,770625	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,25
2547	CC140-47-12-1.00mm	Beam	0,795373	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2548	CC140-47-12-1.00mm	Beam	0,226884	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,6
2558	CC140-47-12-1.20mm	Beam	0,875531	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,23444
2570	CC140-47-12-1.20mm	Beam	0,876122	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,26111
2572	CC140-47-12-1.20mm	Beam	0,916336	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,26556

2584	CC80-47-12-1.20mm	Column	0,398044	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,5
2586	CC80-47-12-1.20mm	Column	0,575898	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
2588	CC80-47-12-1.20mm	Beam	0,131173	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,045
2589	CC140-47-12-1.00mm	Beam	0,59256	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2590	CC80-47-12-1.20mm	Beam	0,093179	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,045
2591	CC140-47-12-1.20mm	Beam	0,168729	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2592	CC80-47-12-1.20mm	Column	0,708569	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2594	CC80-47-12-1.20mm	Column	0,572005	PMM	1.2G+1.0Q+0.2S+1.0EYP	2,5
2621	CC80-47-12-1.20mm	Column	0,41101	PMM	0.9G+1.0EXN	0
2623	CC80-47-12-1.20mm	Column	0,409059	PMM	0.9G+1.0EXP	0
2625	CC80-47-12-1.20mm	Column	0,345008	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2627	CC80-47-12-1.20mm	Column	0,287111	PMM	1.2G+1.0Q+0.2S+1.0EXN	1,25
2629	CC80-47-12-1.20mm	Column	0,334931	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2631	CC80-47-12-1.20mm	Column	0,329574	PMM	0.9G+1.0EXN	0
2633	CC80-47-12-1.20mm	Column	0,507042	PMM	1.2G+1.0Q+0.2S+1.0EXP	2,5
2635	CC80-47-12-1.20mm	Column	0,391908	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2637	CC80-47-12-1.20mm	Column	0,325043	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2639	CC80-47-12-1.20mm	Column	0,293125	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2641	CC80-47-12-1.20mm	Column	0,270584	PMM	1.2G+1.0Q+0.2S+1.0EXP	1,25
2643	CC80-47-12-1.20mm	Column	0,293812	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2645	CC80-47-12-1.20mm	Column	0,332912	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2647	CC80-47-12-1.20mm	Column	0,310857	PMM	1.2G+1.0Q+0.2S+1.0EYN	2,5
2649	CC80-47-12-1.20mm	Beam	0,778397	PMM	0.9G+1.0EXP	0,6
2650	CC80-47-12-1.20mm	Beam	0,782516	PMM	0.9G+1.0EXP	0
2651	CC80-47-12-1.20mm	Beam	0,771086	PMM	0.9G+1.0EXP	0,6
2652	CC80-47-12-1.20mm	Beam	0,77049	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2653	CC80-47-12-1.20mm	Beam	0,765594	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2655	CC80-47-12-1.20mm	Beam	0,871209	Major Shear	1.2G+1.0Q+0.2S+1.0EXP	0,05
2656	CC80-47-12-1.20mm	Beam	0,852963	Major Shear	1.2G+1.0Q+0.2S+1.0EXN	0
2659	CC80-47-12-1.20mm	Beam	0,762897	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2660	CC80-47-12-1.20mm	Beam	0,77216	PMM	0.9G+1.0EXN	0
2661	CC80-47-12-1.20mm	Beam	0,784037	PMM	0.9G+1.0EXN	0,6
2662	CC80-47-12-1.20mm	Beam	0,791289	PMM	0.9G+1.0EXN	0
2663	CC80-47-12-1.20mm	Beam	0,78105	PMM	0.9G+1.0EXN	0
2665	CC80-47-12-1.20mm	Beam	0,703635	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2666	CC80-47-12-1.20mm	Beam	0,402308	PMM	0.9G+1.0EXP	0
2667	CC80-47-12-1.20mm	Beam	0,280049	PMM	0.9G+1.0EXP	0
2668	CC80-47-12-1.20mm	Beam	0,239305	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
2669	CC80-47-12-1.20mm	Beam	0,253651	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
2670	CC80-47-12-1.20mm	Beam	0,329096	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2672	CC80-47-12-1.20mm	Beam	0,671549	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2673	CC80-47-12-1.20mm	Beam	0,395836	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2674	CC80-47-12-1.20mm	Beam	0,29899	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2675	CC80-47-12-1.20mm	Beam	0,254677	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2676	CC80-47-12-1.20mm	Beam	0,268545	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2677	CC80-47-12-1.20mm	Beam	0,325669	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6

2678	CC80-47-12-1.20mm	Beam	0,536236	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
2679	CC80-47-12-1.20mm	Beam	0,381561	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,05
2680	CC80-47-12-1.20mm	Beam	0,553334	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2681	CC80-47-12-1.20mm	Beam	0,434083	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,05
2682	CC80-47-12-1.20mm	Beam	0,409442	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2683	CC80-47-12-1.20mm	Beam	0,364481	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2684	CC80-47-12-1.20mm	Beam	0,251542	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2685	CC80-47-12-1.20mm	Beam	0,159332	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2686	CC80-47-12-1.20mm	Beam	0,183047	PMM	0.9G+1.0EXP	0,6
2687	CC80-47-12-1.20mm	Beam	0,283773	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
2688	CC80-47-12-1.20mm	Beam	0,404718	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
2689	CC80-47-12-1.20mm	Beam	0,327338	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,05
2690	CC80-47-12-1.20mm	Beam	0,316424	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2691	CC80-47-12-1.20mm	Beam	0,397542	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2692	CC80-47-12-1.20mm	Beam	0,390115	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2693	CC80-47-12-1.20mm	Beam	0,344941	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2694	CC80-47-12-1.20mm	Beam	0,239989	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2695	CC80-47-12-1.20mm	Beam	0,15354	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2696	CC80-47-12-1.20mm	Beam	0,18205	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
2697	CC80-47-12-1.20mm	Beam	0,279913	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2701	CC80-47-12-1.20mm	Beam	0,539216	PMM	0.9G+1.0EXN	0
2702	CC80-47-12-1.20mm	Beam	0,60872	PMM	0.9G+1.0EXP	0
2710	CC80-47-12-1.20mm	Beam	0,526596	PMM	0.9G+1.0EXN	0,6
2711	CC80-47-12-1.20mm	Beam	0,785899	PMM	0.9G+1.0EXP	0,6
2715	CC140-47-12-1.00mm	Column	0,644456	PMM	1.2G+1.0Q+0.2S+1.0EYP	1,25
2716	CC140-47-12-1.00mm	Beam	0,586604	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,352
2717	CC140-47-12-1.00mm	Beam	0,643501	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2718	CC140-47-12-1.00mm	Beam	0,699608	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,352
2719	CC140-47-12-1.00mm	Beam	0,587663	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2724	CC140-47-12-1.00mm	Column	0,411562	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2725	CC140-47-12-1.00mm	Beam	0,537645	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,307
2726	CC140-47-12-1.00mm	Beam	0,5198	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2727	CC140-47-12-1.00mm	Beam	0,094478	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,307
2728	CC140-47-12-1.00mm	Beam	0,124414	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2729	CC140-47-12-1.00mm	Column	0,471602	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2730	CC140-47-12-1.00mm	Beam	0,454154	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,307
2731	CC140-47-12-1.00mm	Beam	0,469724	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2733	CC140-47-12-1.00mm	Beam	0,251461	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,307
2734	CC140-47-12-1.00mm	Beam	0,210896	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2797	CC140-47-12-1.20mm	Brace	0,684966	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2798	CC140-47-12-1.20mm	Brace	0,182289	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,52253
2799	CC140-47-12-1.20mm	Brace	0,197499	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2800	CC140-47-12-1.20mm	Brace	0,159589	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52253
2801	CC140-47-12-1.20mm	Brace	0,152089	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2802	CC140-47-12-1.20mm	Brace	0,12708	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,52253
2803	CC140-47-12-1.20mm	Brace	0,147535	PMM	1.2G+1.0Q+0.2S+1.0EYP	0

2804	CC140-47-12-1.20mm	Brace	0,109465	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52253
2805	CC140-47-12-1.20mm	Brace	0,113022	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2806	CC140-47-12-1.20mm	Brace	0,082066	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52253
2807	CC140-47-12-1.20mm	Brace	0,097324	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2808	CC140-47-12-1.20mm	Brace	0,087109	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52253
2809	CC140-47-12-1.20mm	Brace	0,083932	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52253
2810	CC140-47-12-1.20mm	Brace	0,113669	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52253
2811	CC140-47-12-1.20mm	Brace	0,078689	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2812	CC140-47-12-1.20mm	Brace	0,11828	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52253
2813	CC140-47-12-1.20mm	Brace	0,116283	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52253
2814	CC140-47-12-1.20mm	Brace	0,152606	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52253
2815	CC140-47-12-1.20mm	Brace	0,125163	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2816	CC140-47-12-1.20mm	Brace	0,156374	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52253
2817	CC140-47-12-1.20mm	Brace	0,16361	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2818	CC140-47-12-1.20mm	Brace	0,196036	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52253
2819	CC140-47-12-1.20mm	Brace	0,184997	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2820	CC140-47-12-1.20mm	Brace	0,203976	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52253
2821	CC140-47-12-1.20mm	Brace	0,262288	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,52253
2822	CC140-47-12-1.20mm	Brace	0,340793	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2823	CC140-47-12-1.20mm	Brace	0,28464	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2824	CC140-47-12-1.20mm	Brace	0,521242	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52253
2825	CC140-47-12-1.20mm	Brace	0,500903	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2826	CC140-47-12-1.20mm	Brace	0,30113	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2827	CC140-47-12-1.20mm	Brace	0,333587	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52253
2828	CC140-47-12-1.20mm	Brace	0,222159	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52253
2829	CC140-47-12-1.20mm	Brace	0,202424	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2830	CC140-47-12-1.20mm	Brace	0,19093	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52253
2831	CC140-47-12-1.20mm	Brace	0,191187	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2832	CC140-47-12-1.20mm	Brace	0,150139	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52253
2833	CC140-47-12-1.20mm	Brace	0,152978	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2834	CC140-47-12-1.20mm	Brace	0,12969	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52253
2835	CC140-47-12-1.20mm	Brace	0,147367	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2836	CC140-47-12-1.20mm	Brace	0,118966	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2837	CC140-47-12-1.20mm	Brace	0,111987	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2838	CC140-47-12-1.20mm	Brace	0,10086	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2839	CC140-47-12-1.20mm	Brace	0,109419	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2840	CC140-47-12-1.20mm	Brace	0,098171	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2841	CC140-47-12-1.20mm	Brace	0,077494	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2842	CC140-47-12-1.20mm	Brace	0,084004	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52253
2843	CC140-47-12-1.20mm	Brace	0,082083	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52253
2844	CC140-47-12-1.20mm	Brace	0,087241	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2845	CC140-47-12-1.20mm	Brace	0,134205	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,52253
2846	CC140-47-12-1.20mm	Brace	0,137804	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,52253
2847	CC140-47-12-1.20mm	Brace	0,109757	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2848	CC140-47-12-1.20mm	Brace	0,142018	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52253
2849	CC140-47-12-1.20mm	Brace	0,232304	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,52253

2850	CC140-47-12-1.20mm	Brace	0,233211	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2851	CC140-47-12-1.20mm	Brace	0,192637	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,52253
2852	CC140-47-12-1.20mm	Brace	0,66021	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,52253
2869	CC140-47-12-1.00mm	Column	0,583623	PMM	0.9G+1.0EXN	0
2870	CC140-47-12-1.00mm	Column	0,458483	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2871	CC140-47-12-1.00mm	Column	0,387485	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2872	CC140-47-12-1.00mm	Column	0,471326	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2873	CC140-47-12-1.00mm	Column	0,558151	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2874	CC140-47-12-1.00mm	Column	0,617318	PMM	0.9G+1.0EXP	0
2875	CC140-47-12-1.00mm	Column	0,518185	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2876	CC140-47-12-1.00mm	Column	0,529396	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2877	CC140-47-12-1.00mm	Column	0,447774	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2878	CC140-47-12-1.00mm	Column	0,400896	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2879	CC140-47-12-1.00mm	Column	0,491623	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2880	CC140-47-12-1.00mm	Column	0,642392	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2881	CC140-47-12-1.00mm	Beam	0,268294	PMM	1.2G+1.0Q+0.2S+1.0EYN	0
2882	CC140-47-12-1.00mm	Beam	0,166355	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2883	CC140-47-12-1.00mm	Beam	0,167017	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2884	CC140-47-12-1.00mm	Beam	0,178422	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2885	CC140-47-12-1.00mm	Beam	0,17677	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2886	CC140-47-12-1.00mm	Beam	0,177563	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,6
2887	CC140-47-12-1.00mm	Beam	0,330192	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,65
2888	CC140-47-12-1.00mm	Beam	0,320577	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2889	CC140-47-12-1.00mm	Beam	0,181816	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2890	CC140-47-12-1.00mm	Beam	0,169559	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2891	CC140-47-12-1.00mm	Beam	0,182731	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2892	CC140-47-12-1.00mm	Beam	0,170046	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2893	CC140-47-12-1.00mm	Beam	0,144156	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2894	CC140-47-12-1.00mm	Beam	0,27657	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,65
2895	CC140-47-12-1.00mm	Beam	0,300529	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2896	CC140-47-12-1.00mm	Beam	0,25691	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2897	CC140-47-12-1.00mm	Beam	0,226156	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2898	CC140-47-12-1.00mm	Beam	0,229752	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2899	CC140-47-12-1.00mm	Beam	0,269145	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2900	CC140-47-12-1.00mm	Beam	0,345239	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2901	CC140-47-12-1.00mm	Beam	0,808405	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,65
2902	CC140-47-12-1.00mm	Beam	0,815569	PMM	1.2G+1.0Q+0.2S+1.0EYP	0
2903	CC140-47-12-1.00mm	Beam	0,328738	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2904	CC140-47-12-1.00mm	Beam	0,267581	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2905	CC140-47-12-1.00mm	Beam	0,234635	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2906	CC140-47-12-1.00mm	Beam	0,236835	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2907	CC140-47-12-1.00mm	Beam	0,252317	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2909	CC140-47-12-1.00mm	Beam	0,376705	PMM	1.2G+1.0Q+0.2S+1.0EYN	0,65
2910	CC140-47-12-1.00mm	Beam	0,646808	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2912	CC140-47-12-1.00mm	Beam	0,459004	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2913	CC140-47-12-1.00mm	Beam	0,410344	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6

2914	CC140-47-12-1.00mm	Beam	0,388371	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2915	CC140-47-12-1.00mm	Beam	0,453169	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2916	CC140-47-12-1.00mm	Beam	0,497996	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
2917	CC140-47-12-1.00mm	Beam	0,599237	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,65
2918	CC140-47-12-1.00mm	Beam	0,559972	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2919	CC140-47-12-1.00mm	Beam	0,488232	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2920	CC140-47-12-1.00mm	Beam	0,445926	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2921	CC140-47-12-1.00mm	Beam	0,351534	PMM	1.2G+1.0Q+0.2S+1.0EXN	0,6
2922	CC140-47-12-1.00mm	Beam	0,395183	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2923	CC140-47-12-1.00mm	Beam	0,606127	PMM	1.2G+1.0Q+0.2S+1.0EXP	0,6
2927	ARAKAT 1.50mm	Beam	0,34863	PMM	1.2G+1.0Q+0.2S+1.0EYP	0,645
2928	ARAKAT 1.50mm	Beam	0,457386	PMM	0.9G+1.0EXP	3,907
2929	ARAKAT 1.50mm	Beam	0,829523	PMM	1.2G+1.0Q+0.2S+1.0EXN	3,698
2930	ARAKAT 1.50mm	Beam	0,717344	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2931	ARAKAT 1.50mm	Beam	0,410301	PMM	1.2G+1.0Q+0.2S+1.0EYP	3,045
2932	ARAKAT 1.50mm	Beam	0,531977	PMM	1.2G+1.0Q+0.2S+1.0EXP	4,507
2933	ARAKAT 1.50mm	Beam	0,864419	PMM	1.2G+1.0Q+0.2S+1.0EXN	3,698
2934	ARAKAT 1.50mm	Beam	0,688696	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,5
2935	ARAKAT 1.50mm	Beam	0,319861	PMM	1.2G+1.0Q+0.2S+1.0EYP	3,045
2936	ARAKAT 1.50mm	Beam	0,533013	PMM	1.2G+1.0Q+0.2S+1.0EXP	4,507
2937	ARAKAT 1.50mm	Beam	0,849329	PMM	1.2G+1.0Q+0.2S+1.0EXN	3,698
2938	ARAKAT 1.50mm	Beam	0,57082	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2939	ARAKAT 1.50mm	Beam	0,28466	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2940	ARAKAT 1.50mm	Beam	0,521596	PMM	1.2G+1.0Q+0.2S+1.0EXP	4,507
2941	ARAKAT 1.50mm	Beam	0,833881	PMM	1.2G+1.0Q+0.2S+1.0EXN	3,698
2942	ARAKAT 1.50mm	Beam	0,548535	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2943	ARAKAT 1.50mm	Beam	0,284316	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2944	ARAKAT 1.50mm	Beam	0,518639	PMM	1.2G+1.0Q+0.2S+1.0EXP	4,507
2945	ARAKAT 1.50mm	Beam	0,82771	PMM	1.2G+1.0Q+0.2S+1.0EXN	3,698
2946	ARAKAT 1.50mm	Beam	0,538408	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2947	ARAKAT 1.50mm	Beam	0,286818	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2948	ARAKAT 1.50mm	Beam	0,520605	PMM	1.2G+1.0Q+0.2S+1.0EXP	4,507
2949	ARAKAT 1.50mm	Beam	0,834605	PMM	1.2G+1.0Q+0.2S+1.0EXN	3,698
2950	ARAKAT 1.50mm	Beam	0,545492	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2951	ARAKAT 1.50mm	Beam	0,349958	PMM	1.2G+1.0Q+0.2S+1.0EYP	3,045
2952	ARAKAT 1.50mm	Beam	0,523205	PMM	1.2G+1.0Q+0.2S+1.0EXP	4,507
2953	ARAKAT 1.50mm	Beam	0,840352	PMM	1.2G+1.0Q+0.2S+1.0EXN	3,698
2954	ARAKAT 1.50mm	Beam	0,552274	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,5
2955	ARAKAT 1.50mm	Beam	0,256576	PMM	1.2G+1.0Q+0.2S+1.0EXP	3,045
2956	ARAKAT 1.50mm	Beam	0,543975	PMM	1.2G+1.0Q+0.2S+1.0EXP	4,507
2957	ARAKAT 1.50mm	Beam	0,839898	PMM	1.2G+1.0Q+0.2S+1.0EXN	3,698
2958	ARAKAT 1.50mm	Beam	0,562994	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2959	ARAKAT 1.50mm	Beam	0,348775	PMM	1.2G+1.0Q+0.2S+1.0EYP	3,045
2960	ARAKAT 1.50mm	Beam	0,523978	PMM	1.2G+1.0Q+0.2S+1.0EXP	4,507
2961	ARAKAT 1.50mm	Beam	0,824151	PMM	1.2G+1.0Q+0.2S+1.0EXN	3,698
2962	ARAKAT 1.50mm	Beam	0,544688	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,5

2963	ARAKAT 1.50mm	Beam	0,28524	PMM	1.2G+1.0Q+0.2S+1.0EYP	3,045
2964	ARAKAT 1.50mm	Beam	0,523004	PMM	1.2G+1.0Q+0.2S+1.0EXN	4,507
2965	ARAKAT 1.50mm	Beam	0,842747	PMM	1.2G+1.0Q+0.2S+1.0EXP	3,698
2966	ARAKAT 1.50mm	Beam	0,554115	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2967	ARAKAT 1.50mm	Beam	0,283552	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2968	ARAKAT 1.50mm	Beam	0,521833	PMM	1.2G+1.0Q+0.2S+1.0EXN	4,507
2969	ARAKAT 1.50mm	Beam	0,839551	PMM	1.2G+1.0Q+0.2S+1.0EXP	3,698
2970	ARAKAT 1.50mm	Beam	0,55126	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2971	ARAKAT 1.50mm	Beam	0,285491	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2972	ARAKAT 1.50mm	Beam	0,523577	PMM	1.2G+1.0Q+0.2S+1.0EXN	4,507
2973	ARAKAT 1.50mm	Beam	0,839598	PMM	1.2G+1.0Q+0.2S+1.0EXP	3,698
2974	ARAKAT 1.50mm	Beam	0,556156	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2975	ARAKAT 1.50mm	Beam	0,306179	PMM	1.2G+1.0Q+0.2S+1.0EYN	3,045
2976	ARAKAT 1.50mm	Beam	0,533164	PMM	1.2G+1.0Q+0.2S+1.0EXN	4,507
2977	ARAKAT 1.50mm	Beam	0,855903	PMM	1.2G+1.0Q+0.2S+1.0EXP	3,698
2978	ARAKAT 1.50mm	Beam	0,576677	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
2979	ARAKAT 1.50mm	Beam	0,400468	PMM	1.2G+1.0Q+0.2S+1.0EYN	3,045
2980	ARAKAT 1.50mm	Beam	0,533703	PMM	1.2G+1.0Q+0.2S+1.0EXN	4,507
2981	ARAKAT 1.50mm	Beam	0,862473	PMM	1.2G+1.0Q+0.2S+1.0EXP	3,698
2982	ARAKAT 1.50mm	Beam	0,678876	PMM	1.2G+1.0Q+0.2S+1.0EYN	1,5
2983	ARAKAT 1.50mm	Beam	0,302527	PMM	1.2G+1.0Q+0.2S+1.0EYN	3,045
2984	ARAKAT 1.50mm	Beam	0,614948	PMM	1.2G+1.0Q+0.2S+1.0EXP	4,507
2985	ARAKAT 1.50mm	Beam	0,824246	PMM	1.2G+1.0Q+0.2S+1.0EXN	0
2986	ARAKAT 1.50mm	Beam	0,548323	PMM	1.2G+1.0Q+0.2S+1.0EXP	0
3011	ARAKAT 1.50mm	Beam	0,284113	PMM	0.9G+1.0EYP	0,645
3012	ARAKAT 1.50mm	Beam	0,512931	PMM	0.9G+1.0EXN	0
3013	ARAKAT 1.50mm	Beam	0,872716	PMM	1.2G+1.0Q+0.2S+1.0EXP	3,698
3014	ARAKAT 1.50mm	Beam	0,726451	PMM	1.2G+1.0Q+0.2S+1.0EXP	0

STATIK RAB

8. YAPI DİZAYN YÖNETMELİĞİ:

Steel Frame Design Preferences for AISC 360-10

Item	Value
1 Design Code	AISC 360-10
2 Multi-Response Case Design	Envelopes
3 Framing Type	SMF
4 Seismic Design Category	D
5 Importance Factor	1,
6 Design System Rho	1,
7 Design System Sds	0,5
8 Design System R	3,
9 Design System Omega0	2,
10 Design System Cd	5,5
11 Design Provision	LRFD
12 Analysis Method	Effective Length
13 Second Order Method	General 2nd Order
14 Stiffness Reduction Method	Tau-b Fixed
15 Phi(Bending)	0,9
16 Phi(Compression)	0,9
17 Phi(Tension-Yielding)	0,9
18 Phi(Tension-Fracture)	0,75
19 Phi(Shear)	0,9
20 Phi(Shear-Short Webed Rolled I)	1,
21 Phi(Torsion)	0,9
22 Ignore Seismic Code?	Yes
23 Ignore Special Seismic Load?	Yes

Set To Default Values

All Items Selected Items

Reset To Previous Values

All Items Selected Items

OK Cancel

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9. SEHİM DEFORMASYONU HESABI :

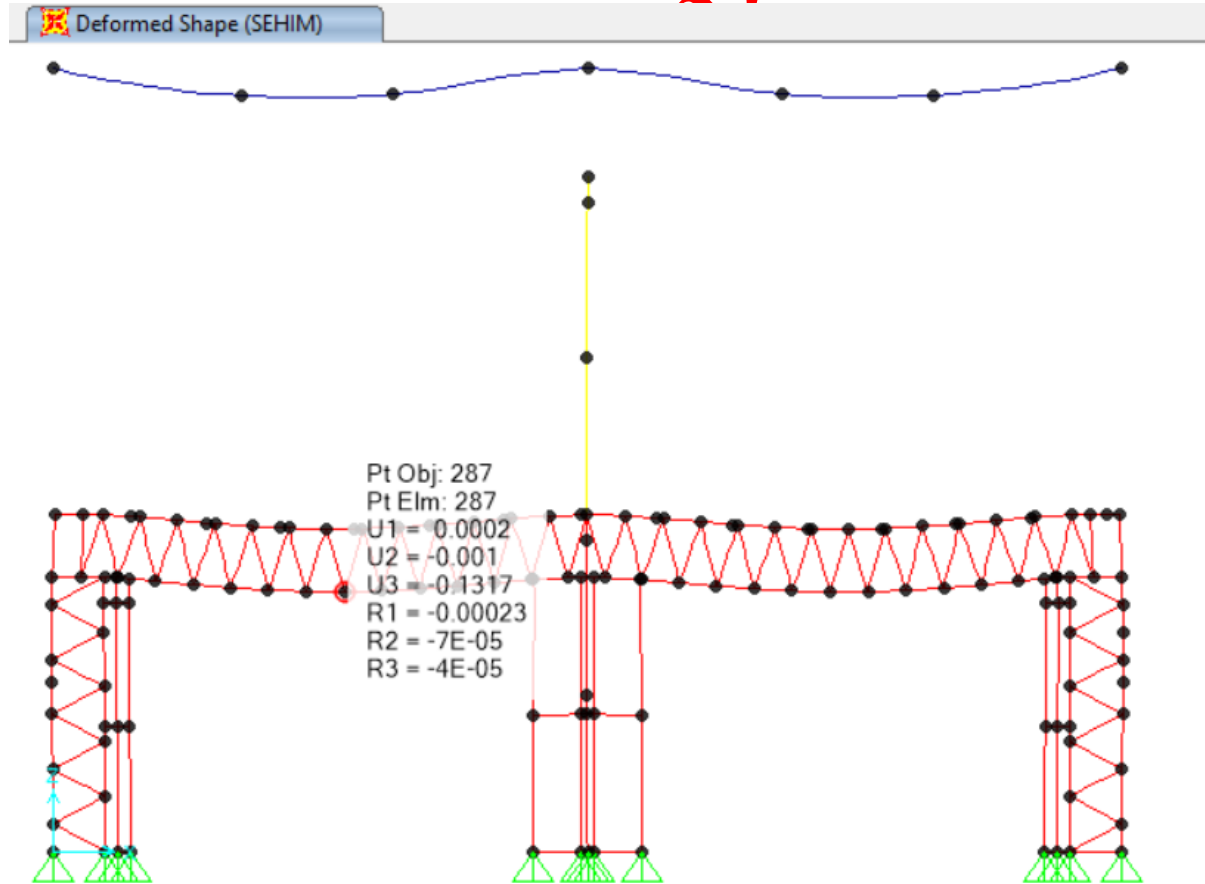
Sehim Kriterleri :

- Kolon başı (her iki yönde) $h_{\text{kolon}}/250$
- Kiriş ve aşıklar (her iki yönde) $l_{\text{kiriş}}/300$
- Konsol (düşeyde) $l_{\text{Konsol}}/200$
- Konsol sonu (yatayda) $l_{\text{Konsol}}/100$

Sehim Kombinasyonu :

TABLE: Combination Definitions					
ComboName	ComboType	AutoDesign	CaseType	CaseName	ScaleFactor
Text	Text	Yes/No	Text	Text	Unitless
SEHİM	Linear Add	No	Linear Static	CATI KAPLAMA	1
SEHİM			Linear Static	DEAD	1
SEHİM			Linear Static	KAR	1

Arakat Elemanlarında Sehim Kontrolü



$$4250\text{mm} / 300 = 14,17 \text{ mm} > 13,17\text{mm}$$

9. GÖRELİ KAT ÖTELEMESİ KONTROLÜ :

TBDY 2018 Deprem Yönetmeliğine göre Analiz Edilmiştir.

4.9. GÖRELİ KAT ÖTELEMELERİNİN SINIRLANDIRILMASI, İKİNCİ MERTEBE ETKİLERİ VE DEPREM DERZLERİ

4.9.1. Etkin Görelî Kat Ötelemelerinin Hesaplanması ve Sınırlandırılması

4.9.1.1 – (X) deprem doğrultusunda herhangi bir kolon veya perde için, ardışık iki kat arasındaki yerdeğiştirme farkını ifade eden *azaltılmış görelî kat ötelemesi*, $\Delta_i^{(X)}$, Denk.(4.32) ile elde edilecektir.

$$\Delta_i^{(X)} = u_i^{(X)} - u_{i-1}^{(X)} \quad (4.32)$$

Denk.(4.32)'de $u_i^{(X)}$ ve $u_{i-1}^{(X)}$, tipik (X) deprem doğrultusu için binanın i'inci ve (i-1)'inci katlarında herhangi bir kolon veya perdenin uçlarında *azaltılmış deprem yükleri*'ne göre hesaplanan yatay yerdeğiştirmeleri göstermektedir. Ancak bu hesapta 4.7.3.2'de verilen koşul ve ayrıca Denk.(4.19)'da tanımlanan minimum eşdeğer deprem yükü koşulu gözönüne alınmayacaktır.

4.9.1.2 – Tipik (X) deprem doğrultusu için, binanın i'inci katındaki kolon veya perdeler için *etkin görelî kat ötelemesi*, $\delta_i^{(X)}$, Denk.(4.33) ile elde edilecektir.

$$\delta_i^{(X)} = \frac{R}{I} \Delta_i^{(X)} \quad (4.33)$$

4.9.1.3 – Her bir deprem doğrultusu için, binanın herhangi bir i'inci katındaki kolon veya perdelerde, Denk.(4.33) ile hesaplanan $\delta_i^{(X)}$ etkin görelî kat ötelemelerinin kat içindeki en büyük değeri $\delta_{i,max}^{(X)}$, aşağıda (a) veya (b)'de verilen koşulları sağlayacaktır.

(a) Gevrek malzemeden yapılmış boşluklu veya boşluksuz dolgu duvarlarının ve cephe elemanlarının çerçeve elemanlarına, aralarında herhangi bir esnek derz veya bağlantı olmaksızın, tamamen bitişik olması durumunda:

$$\lambda \frac{\delta_{i,max}^{(X)}}{h_i} \leq 0.008 \kappa \quad (4.34a)$$

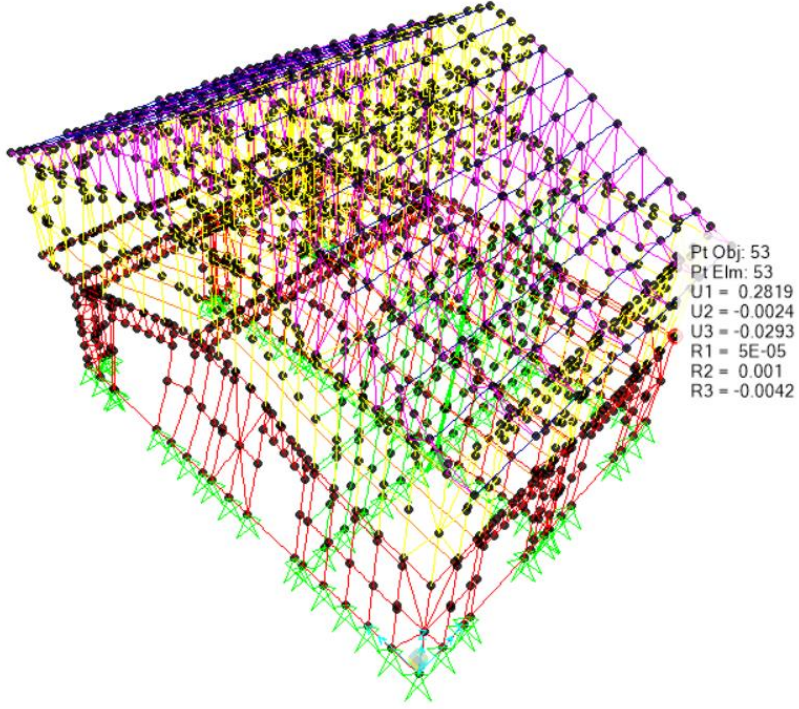
(b) Gevrek malzemeden yapılmış dolgu duvarları ile çerçeve elemanlarının aralarında esnek derzler yapılması, cephe elemanlarının dış çerçevelere esnek bağlantılarla bağlanması veya dolgu duvar elemanının çerçeveden bağımsız olması durumunda:

$$\lambda \frac{\delta_{i,max}^{(X)}}{h_i} \leq 0.016 \kappa \quad (4.34b)$$

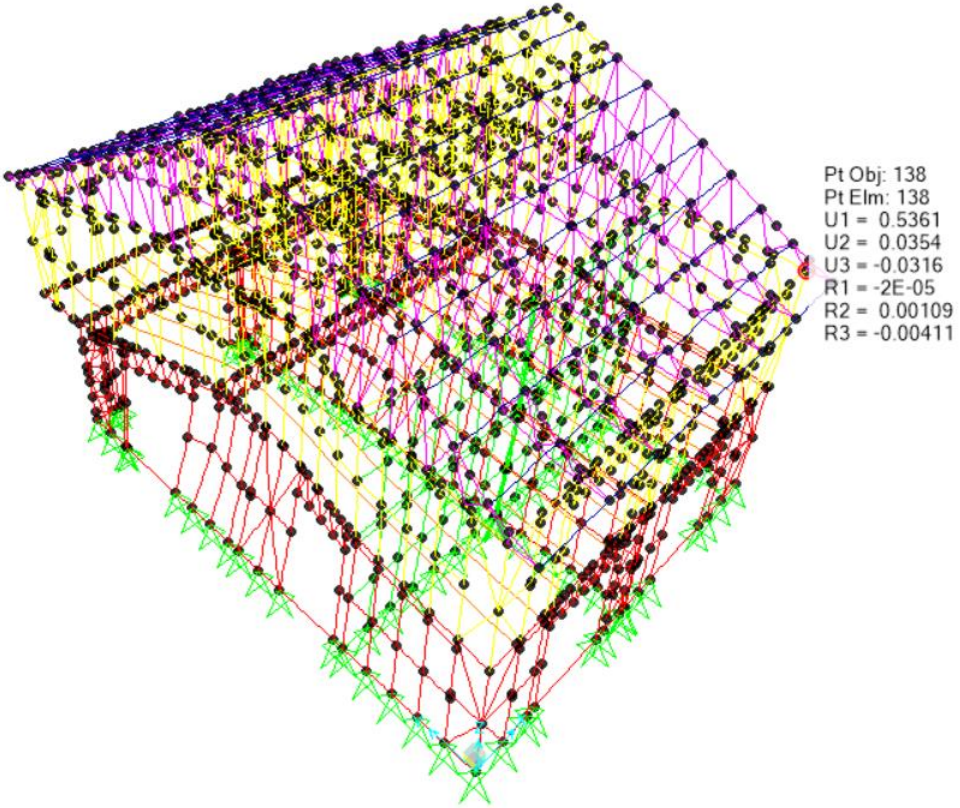
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X Yönü Göreli Kat Ötelemesi Kontrolü

Deformed Shape (EX)



Deformed Shape (EX)

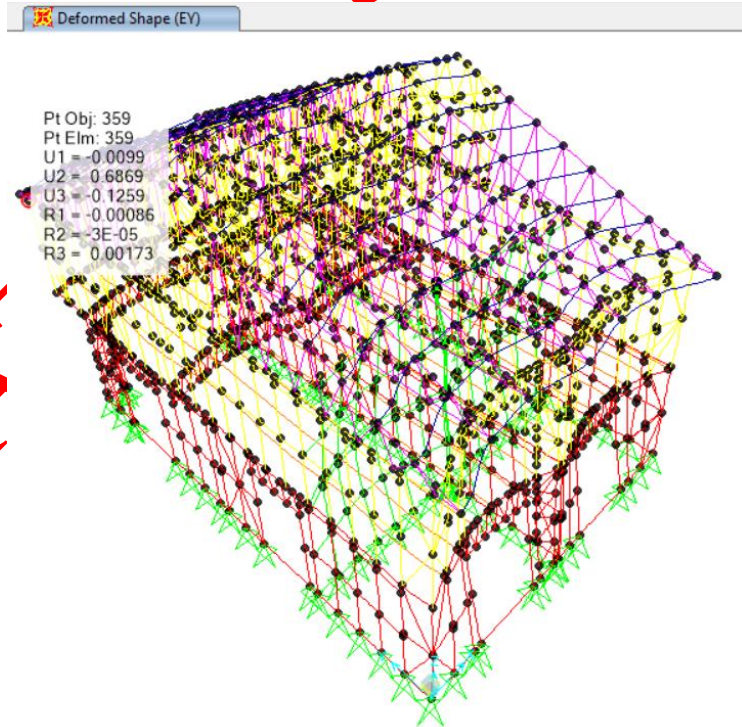
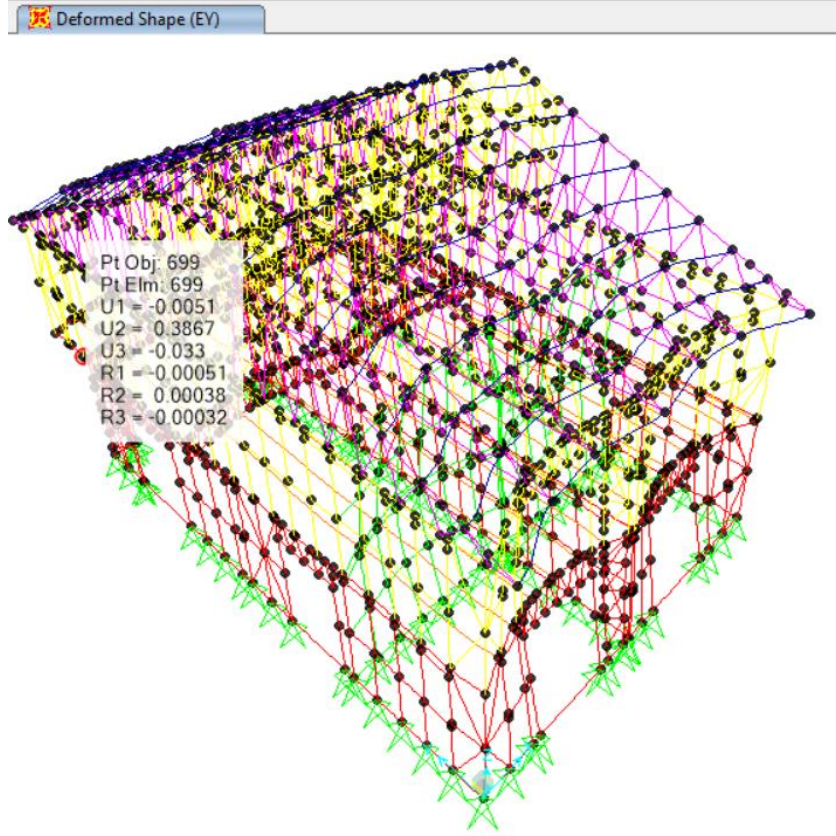


R	3	SDS (DD-3)	0,379								
I	1	SDS (DD-2)	0,891		$\lambda = 0,425365$			$\kappa =$		0,5 (steel)	
(R/I)	3										
KOT	DÜĞ. NOK	YÜK DURUMU	u_{iy}	u_{i-1y}	h_i	Δ_{iy}	$\delta_{iy} = (R/I) \cdot \Delta_{iy}$	δ_{iy}/h_i	λ	$\lambda \frac{\delta_{i,max}^{(X)}}{h_i}$	$\lambda \frac{\delta_{i,max}^{(X)}}{h_i} \leq 0,016 \kappa$
			cm	cm	cm	cm	cm	cm	cm	cm	< 0,008
		EX	0,28	0	270	0,28	0,84	0,003	0,425	0,00132	✓

R	3	SDS (DD-3)	0,379								
I	1	SDS (DD-2)	0,891		$\lambda = 0,425365$			$\kappa =$		0,5 (steel)	
(R/I)	3										
KOT	DÜĞ. NOK	YÜK DURUMU	u_{iy}	u_{i-1y}	h_i	Δ_{iy}	$\delta_{iy} = (R/I) \cdot \Delta_{iy}$	δ_{iy}/h_i	λ	$\lambda \frac{\delta_{i,max}^{(X)}}{h_i}$	$\lambda \frac{\delta_{i,max}^{(X)}}{h_i} \leq 0,016 \kappa$
			cm	cm	cm	cm	cm	cm	cm	cm	< 0,008
		EX	0,28	0,53	270	-0,25	-0,75	-0,003	0,425	-0,00118	✓

STATİK RAPOR ÖRNEĞİ

Y Yönü Görelî Kat Ötelemesi Kontrolü



R	3	SDS (DD-3)	0,379								
I	1	SDS (DD-2)	0,891		$\lambda = 0,425365$			$\kappa =$		0,5 (steel)	
(R/I)	3										
KOT	DÜĞ. NOK	YÜK DURUMU	u_{iy}	u_{i-1y}	h_i	Δ_{iy}	$\delta_{iy} = (R/I) \cdot \Delta_{iy}$	δ_{iy}/h_i	λ	$\lambda \frac{\delta_{i,max}^{(X)}}{h_i}$	$\lambda \frac{\delta_{i,max}^{(X)}}{h_i} \leq 0.016 \kappa$
			cm	cm	cm	cm	cm	cm	cm	cm	< 0,008
		Ey	0,38	0	270	0,38	1,14	0,004	0,425	0,00179	✓

R	3	SDS (DD-3)	0,379								
I	1	SDS (DD-2)	0,891		$\lambda = 0,425365$			$\kappa =$		0,5 (steel)	
(R/I)	3										
KOT	DÜĞ. NOK	YÜK DURUMU	u_{iy}	u_{i-1y}	h_i	Δ_{iy}	$\delta_{iy} = (R/I) \cdot \Delta_{iy}$	δ_{iy}/h_i	λ	$\lambda \frac{\delta_{i,max}^{(X)}}{h_i}$	$\lambda \frac{\delta_{i,max}^{(X)}}{h_i} \leq 0.016 \kappa$
			cm	cm	cm	cm	cm	cm	cm	cm	< 0,008
		Ey	0,38	0,68	270	-0,30	-0,90	-0,003	0,425	-0,00142	✓

STATİK RAPOR ÖRNEĞİ