

GEOTEKNİK

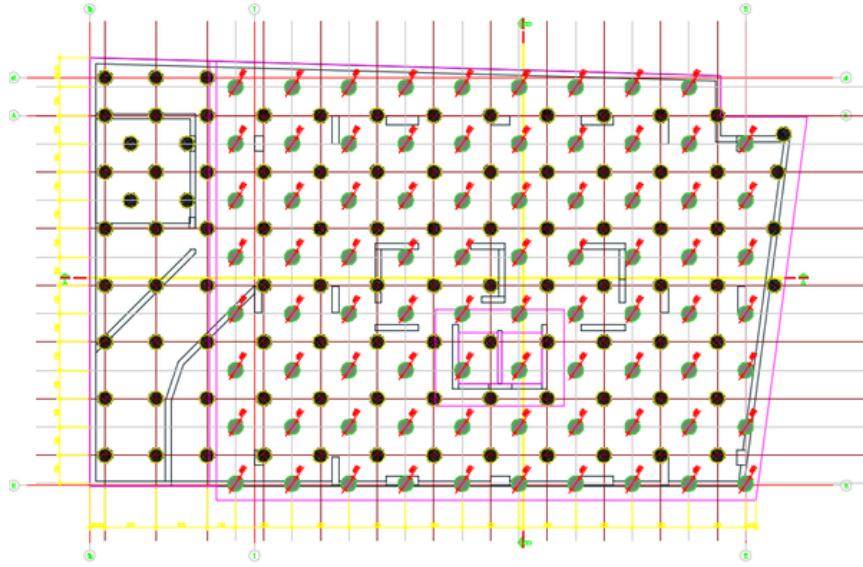
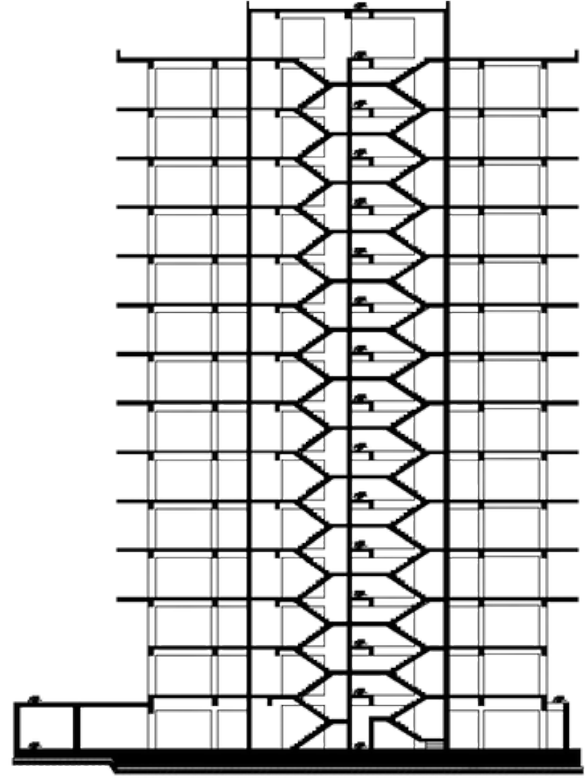


BAYRAKLI 12 KATLI BİNA FORE KAZIK PROJESİ

Proje Konum: Bayraklı

Yapım Yılı: 2022

Proje Bilgileri: B+Z+12 katlı binanın
33 metre fore kazıklar ile
kinematik ve eylemsizlik analizi



Link/Support Directional Properties

Edit

Identification

Property Name: LR2.5

Direction: U1

Type: MultiLinear Plastic

NonLinear: Yes

Hysteresis Type And Parameters

Hysteresis Type: Takeda

No Parameters Are Required For This Hysteresis Type

Properties Used For Linear Analysis Cases

Effective Stiffness: 356.5948

Effective Damping: 0.

Multi-Linear Force-Deformation Definition

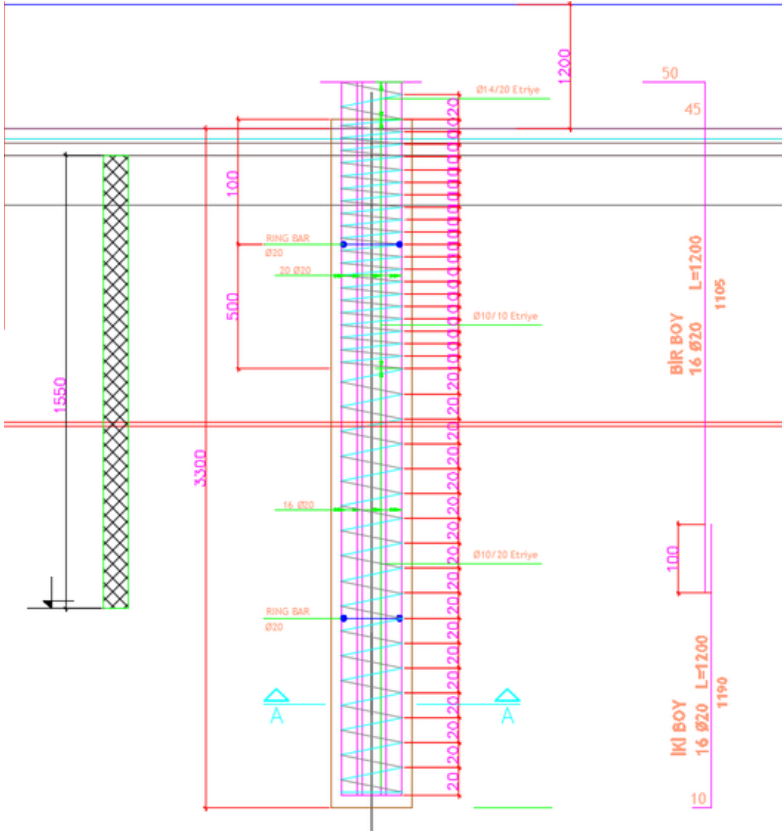
	Displ	Force
1	-0.01	-7.1339
2	0	0
3	0.01	7.1339
4	0.011	8.1659

Order Rows Delete Row Add Row 17

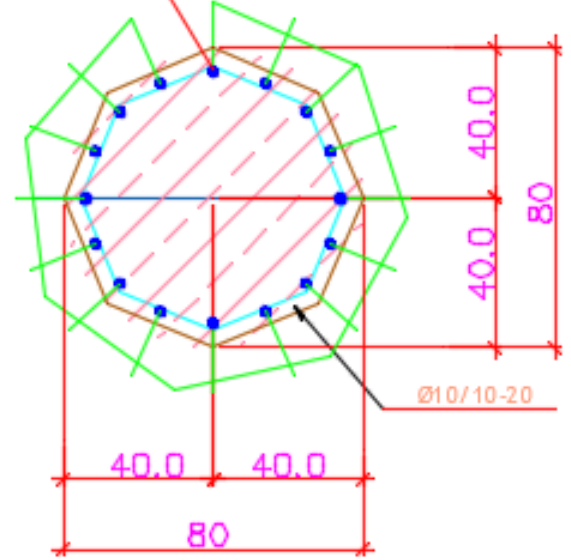
Hysteresis Definition Sketch

Takeda Hysteresis Model

OK Cancel



16 Ø20 L=12.00 + 12.00 İKİ BOY



KESİT
Ölçek: 1/12.5 A-A

Section Details:

X Centroid: -2831E-16 m
Y Centroid: -1058E-16 m
Section Area: 5013 m²

Loading Details:

Constant Load - Mxx: -325.0 kN-m
Constant Load - Myy: -270.0 kN-m
Incrementing Loads: Mxx and Myy
Angle of Loading: 45 deg
Number of Points: 31
Analysis Strategy: Displacement Control

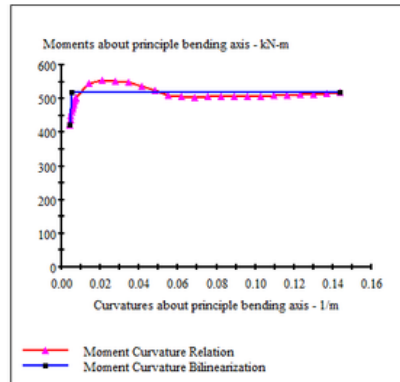
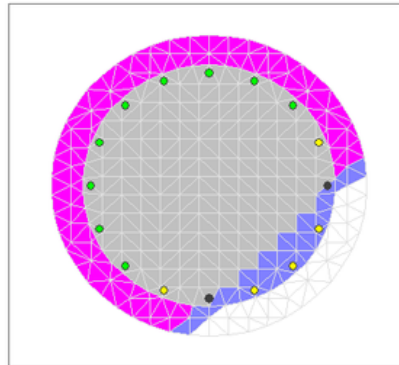
Analysis Results:

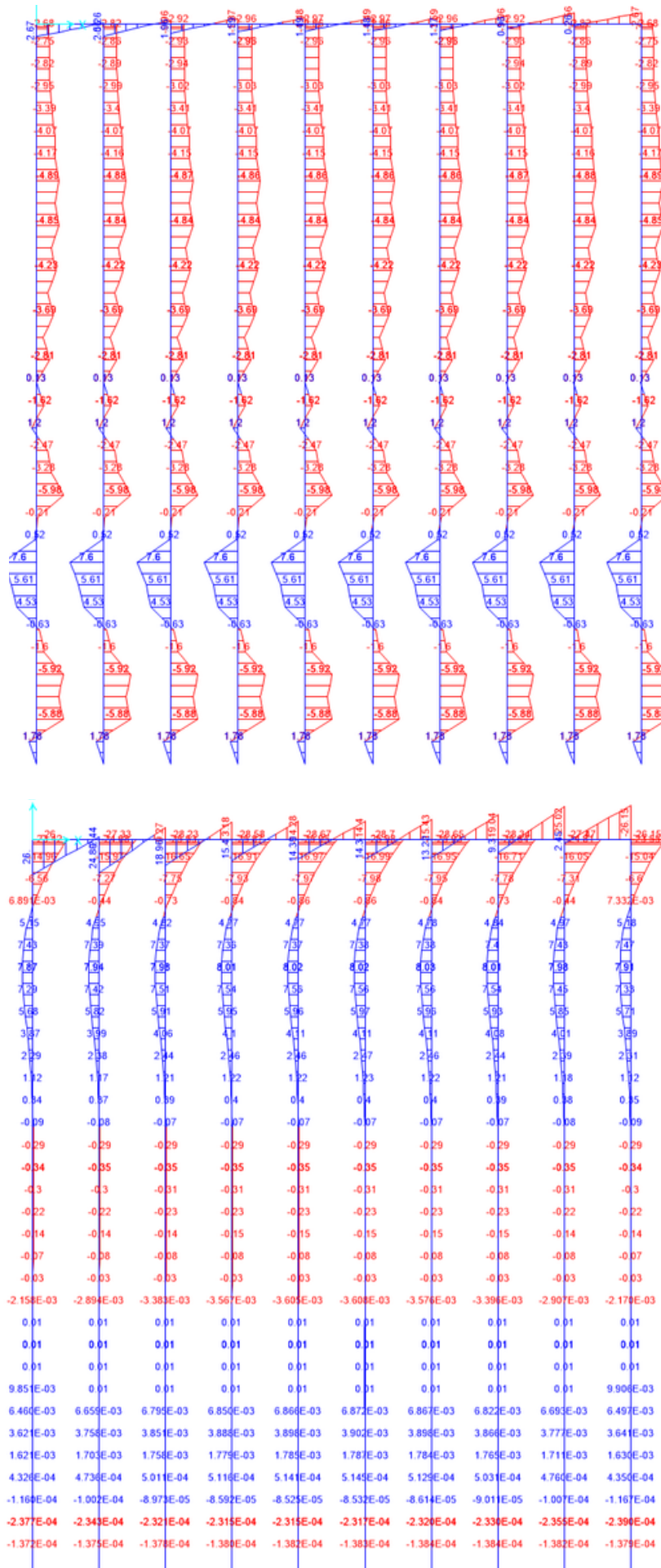
Failing Material: Confined1
Failure Strain: 13.75E-3 Compression
Curvature at Initial Load: 4.214E-3 1/m
Curvature at First Yield: 0 1/m
Ultimate Curvature: .1439 1/m
Moment at First Yield: 0 kN-m
Ultimate Moment: 517.3 kN-m
Centroid Strain at Yield: 0 Ten
Centroid Strain at Ultimate: 30.18E-3 Ten

N.A. at Ultimate: 2098 m
Energy per Length: 72.38 kN
Effective Yield Curvature: 5.208E-3 1/m
Effective Yield Moment: 520.0 kN-m
Over Strength Factor: .9947
EI Effective: 9.98E+7 N-m²
Yield EI Effective: -19.80E+3 N-m²
Bilinear Hardening Slope: -19.83E-3 %
Curvature Ductility: 27.62

Comments:

User Comments



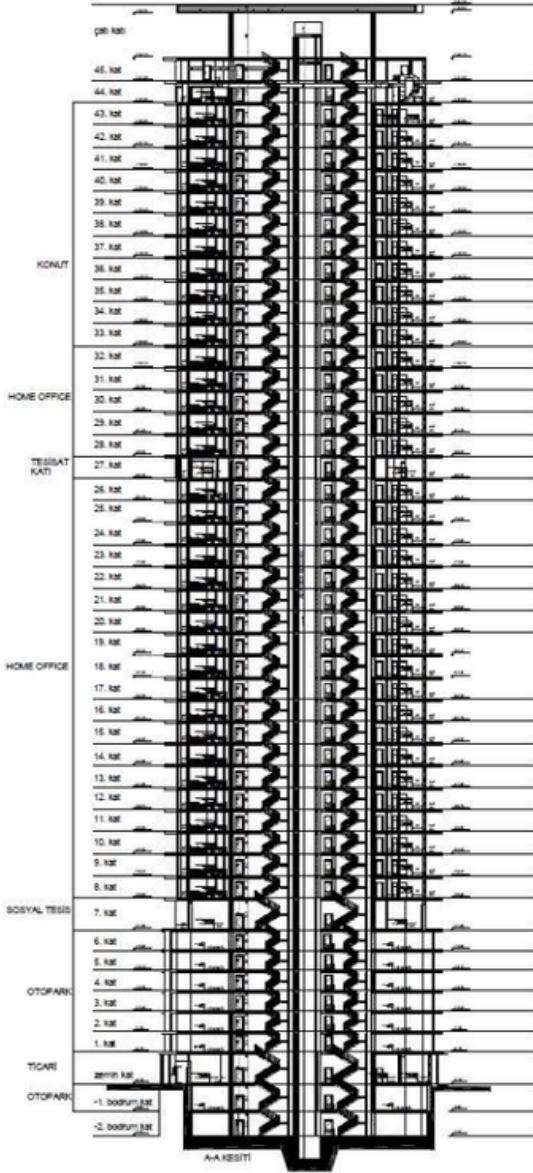


KONAK 45 KATLI BİNA FORE KAZIK PROJESİ

Proje Konum: Konak

Yapım Yılı: 2022

Proje Bilgileri: 2B+Z+45 katlı binanın 33 metre baret kazıklar ile kinematik ve eylemsizlik analizi



Link/Support Directional Properties

Edit

Identification

Property Name: LNK5
Direction: U1
Type: MultiLinear Plastic
NonLinear: Yes

Properties Used For Linear Analysis Cases

Effective Stiffness: 0
Effective Damping: 0

Multi-Linear Force-Deformation Definition

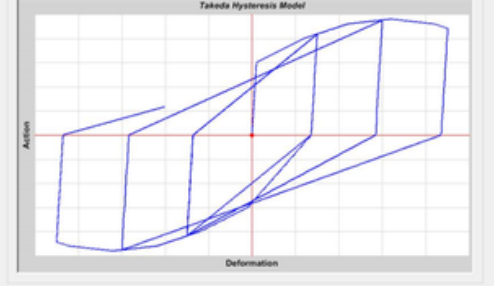
Displ	Force
14 0.052	10621
15 0.139	25822.3
16 0.261	25822.3
17 0.348	25822.3

Order Rows Delete Row Add Row 18

Hysteresis Type And Parameters

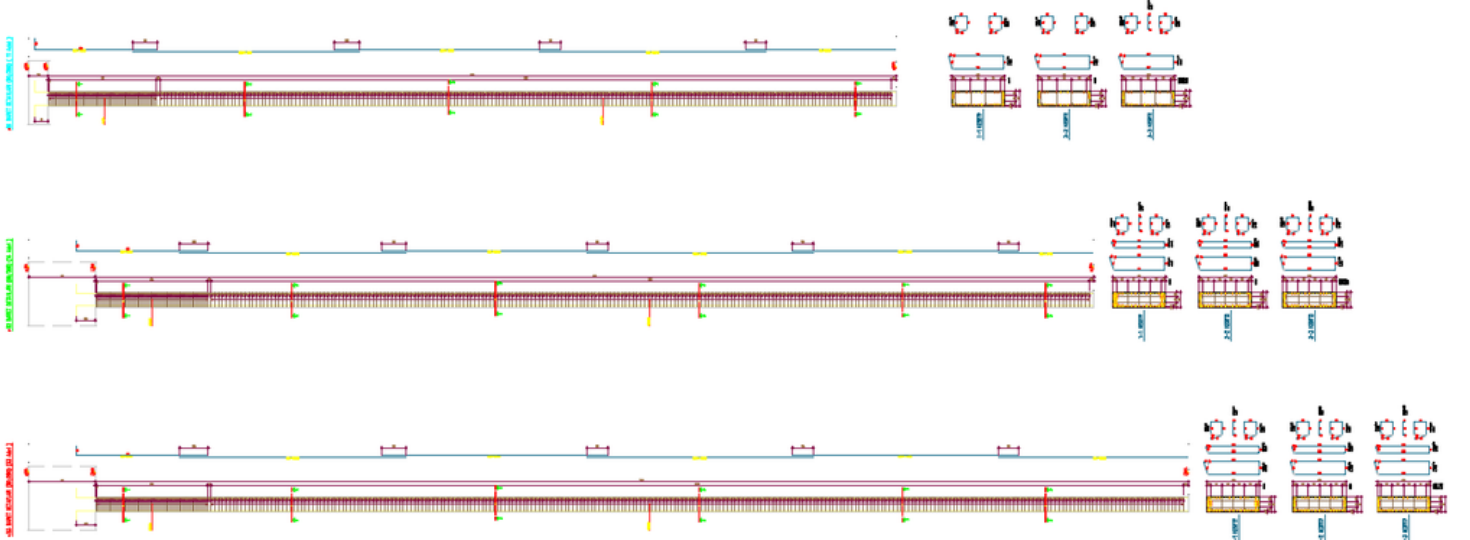
Hysteresis Type: Takeda
No Parameters Are Required For This Hysteresis Type

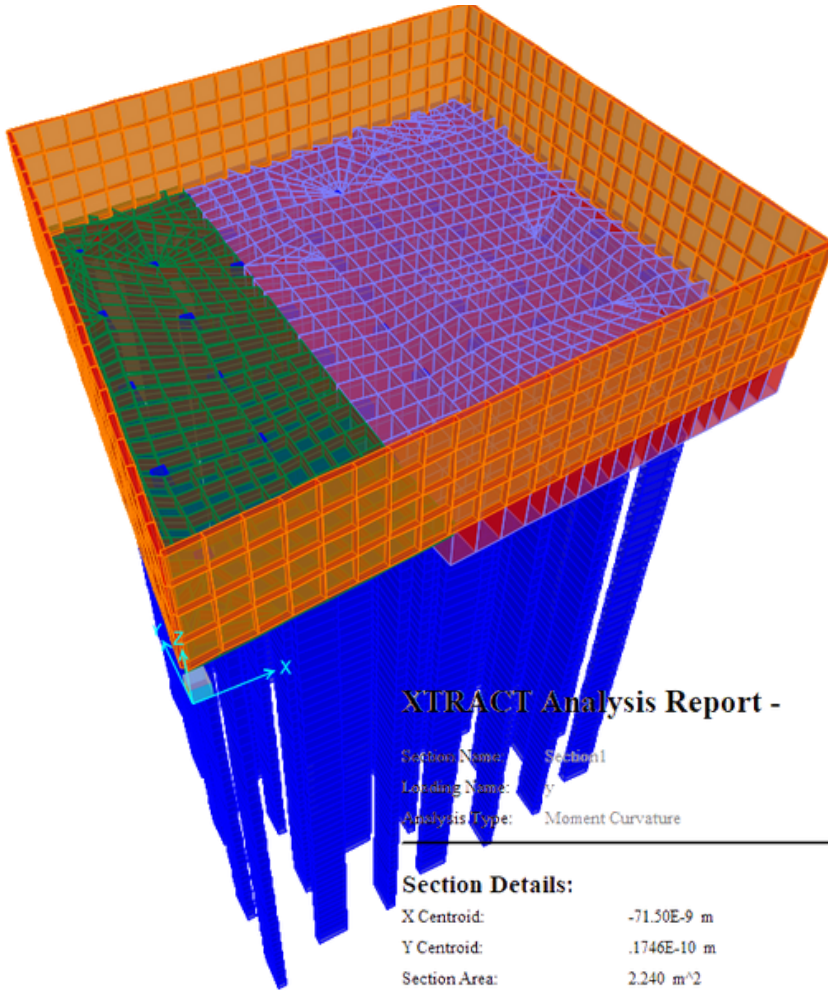
Hysteresis Definition Sketch



OK

Cancel





XTRACT Analysis Report -

Section Name: Section1
 Loading Name: y
 Analysis Type: Moment Curvature

18.05.2022

baretcinar2

Page __ of __

Section Details:

X Centroid: -71.50E-9 m
 Y Centroid: .1746E-10 m
 Section Area: 2.240 m²

Loading Details:

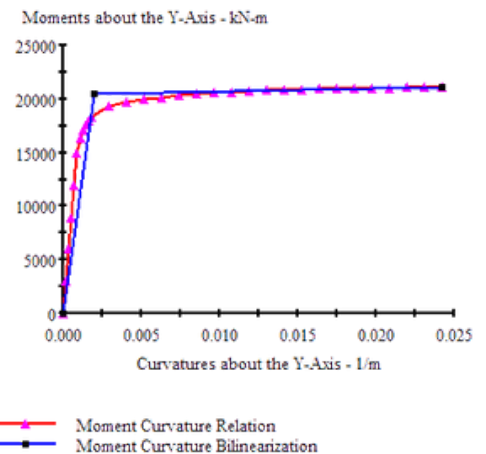
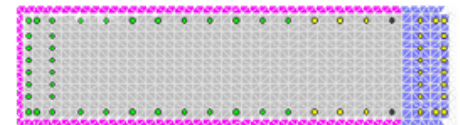
Incrementing Loads: Myy Only
 Number of Points: 30
 Analysis Strategy: Displacement Control

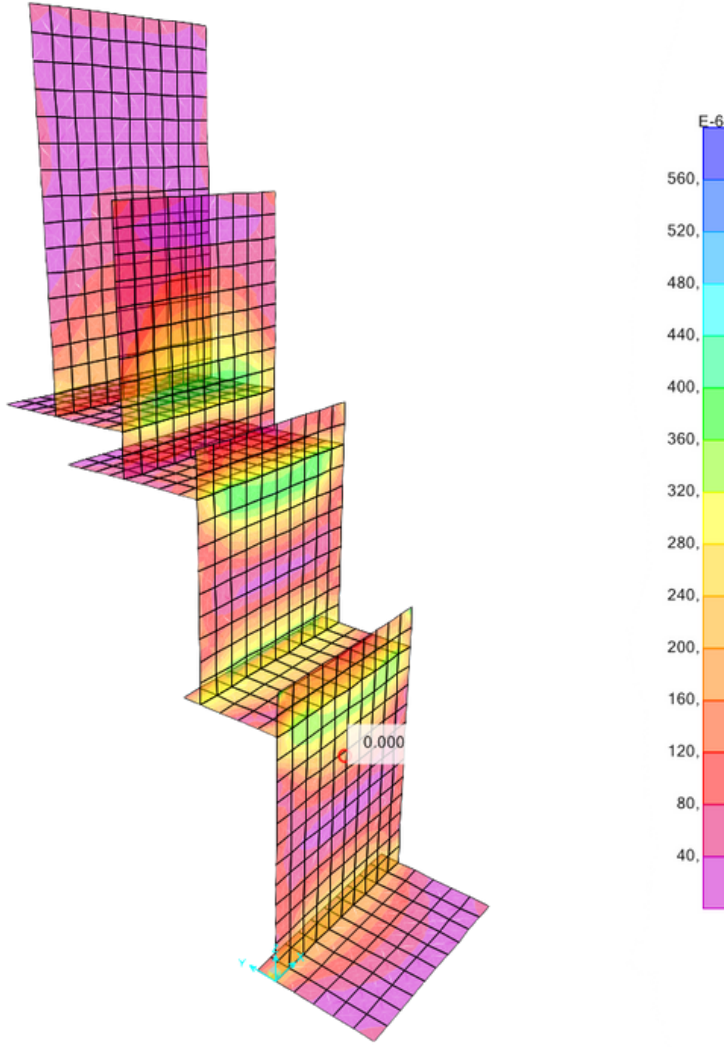
Analysis Results:

Failing Material: Confined1
 Failure Strain: 6.511E-3 Compression
 Curvature at Initial Load: 0 1/m
 Curvature at First Yield: .8521E-3 1/m
 Ultimate Curvature: 24.20E-3 1/m
 Moment at First Yield: 8965 kN-m
 Ultimate Moment: 21.07E+3 kN-m
 Centroid Strain at Yield: .7003E-3 Ten
 Centroid Strain at Ultimate: 25.68E-3 Ten
 N.A. at First Yield: .8219 m
 N.A. at Ultimate: 1.061 m
 Energy per Length: 482.9 kN
 Effective Yield Curvature: 1.952E-3 1/m
 Effective Yield Moment: 20.54E+3 kN-m
 Over Strength Factor: 1.026
 EI Effective: 1.05E+10 N-m²
 Yield EI Effective: 2.40E+7 N-m²
 Bilinear Hardening Slope: .2277 %
 Curvature Ductility: 12.40

Comments:

User Comments



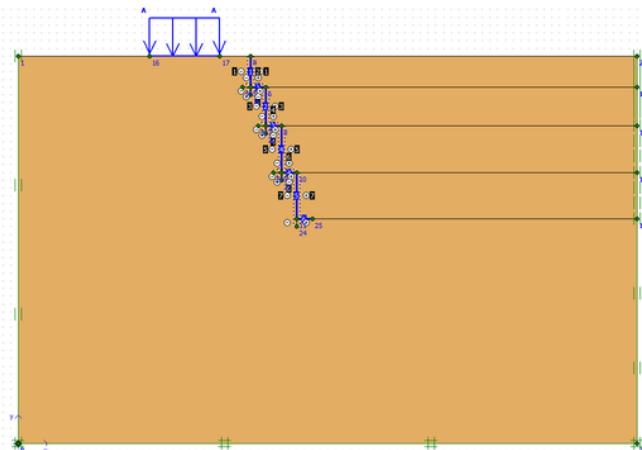
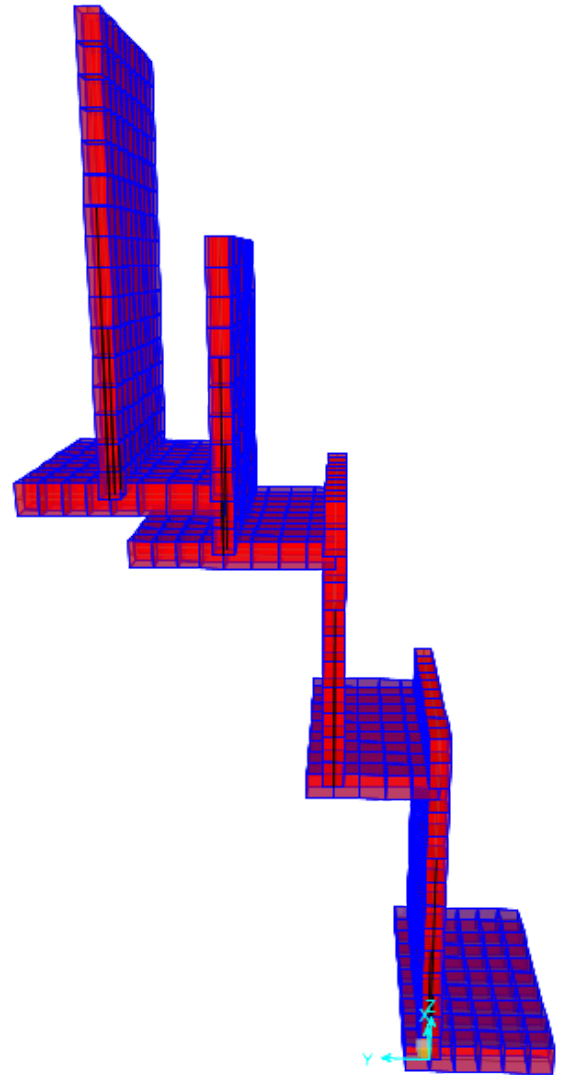
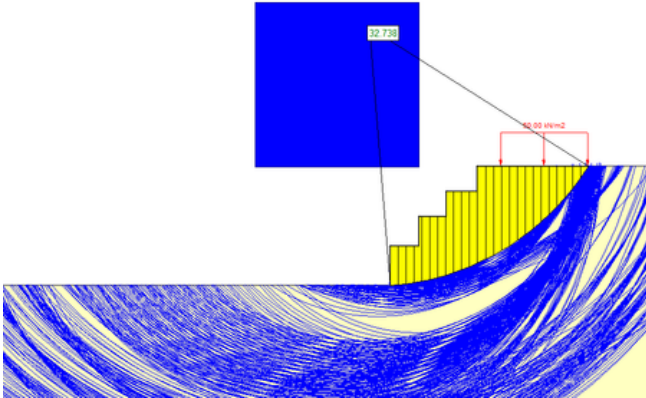


4 KADEMELİ İSTİNAT DUVARI PROJESİ

Proje Konum: Çiğli

Yapım Yılı: 2022

Proje Bilgileri: Toplam 18m yüksekliğin 4 kademeli istinat duvarı ile analizi

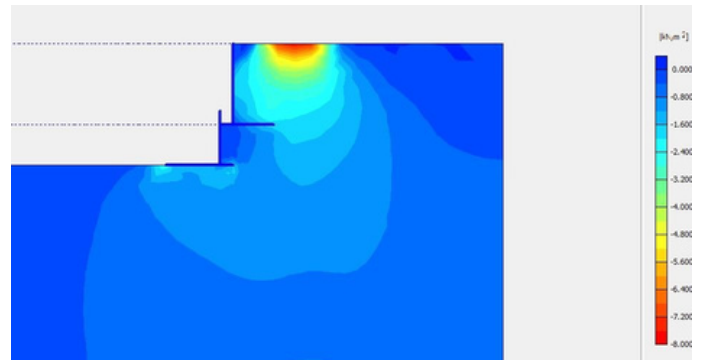
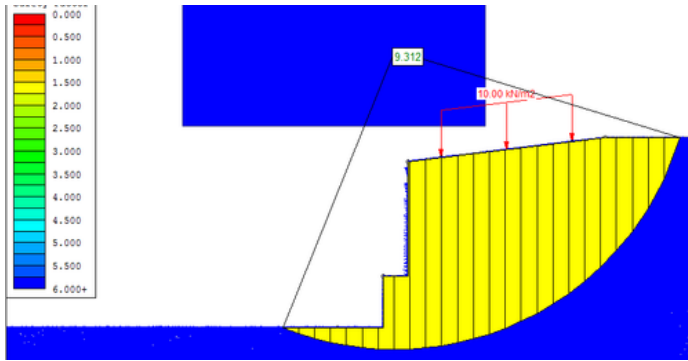
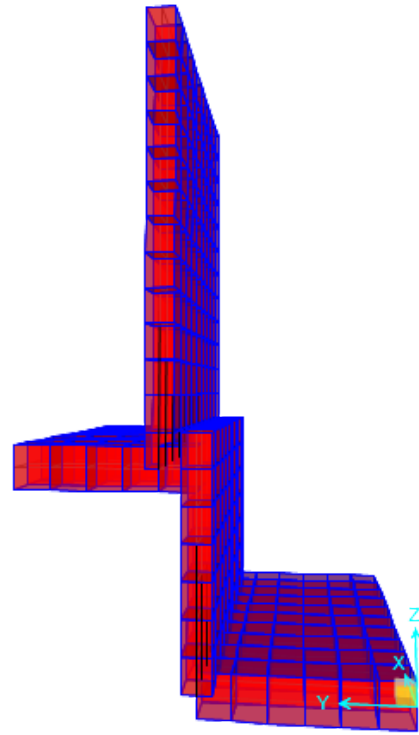
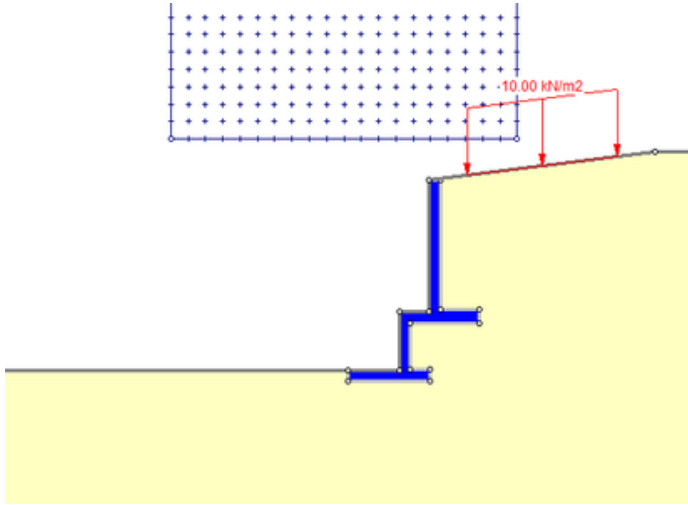
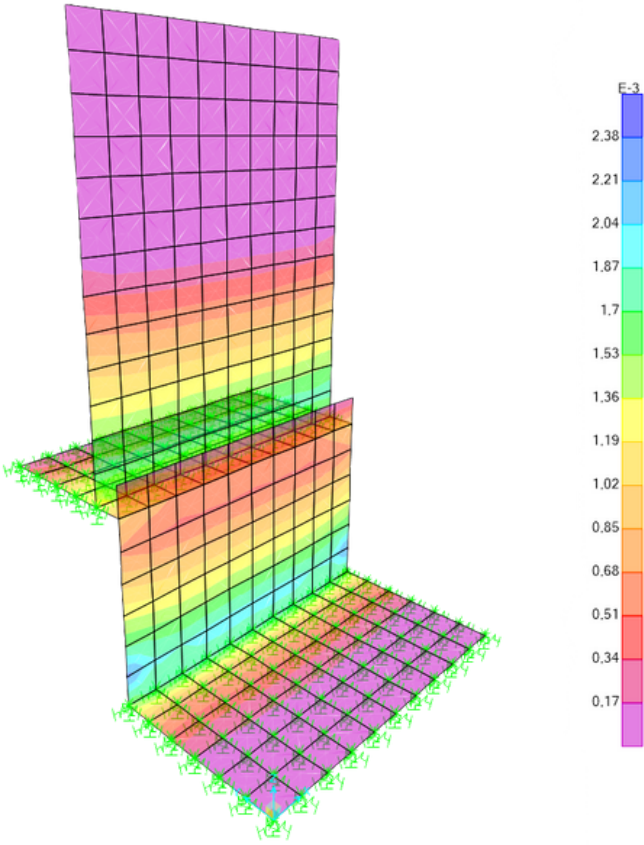


2 KADEMELİ İSTİNAT DUVARI PROJESİ

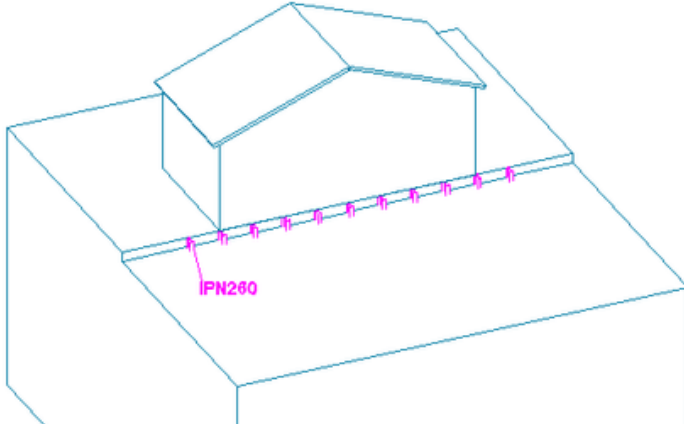
Proje Konum: Narlıdere

Yapım Yılı: 2022

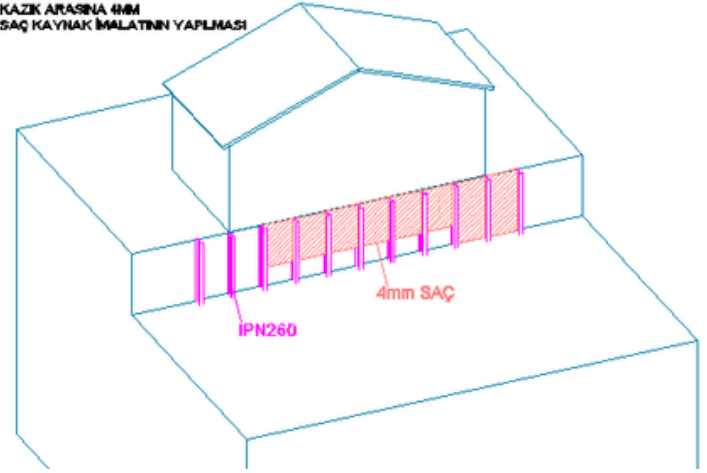
Proje Bilgileri: Toplam 9.5m yüksekliğin
2 kademeli istinat duvarı ile analizi



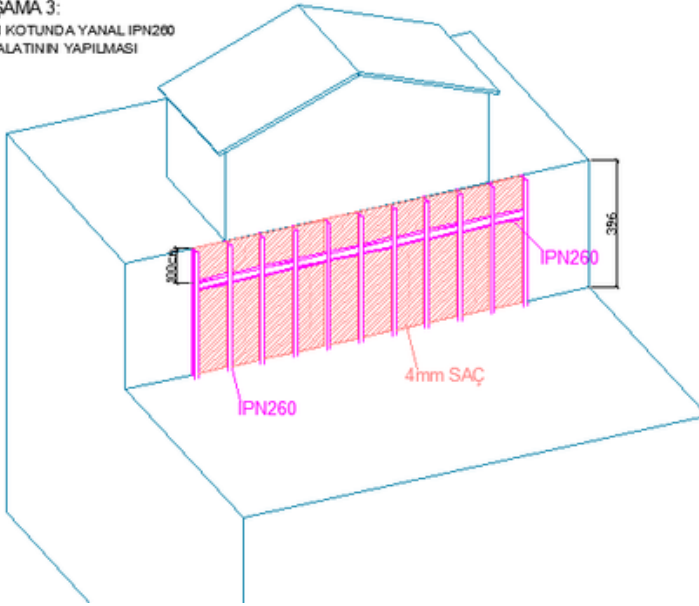
AŞAMA 1:
IPN260 PROFİLLERİNİN ÇAKILMASI
TOPRAK KAZISINA BAŞLANMASI



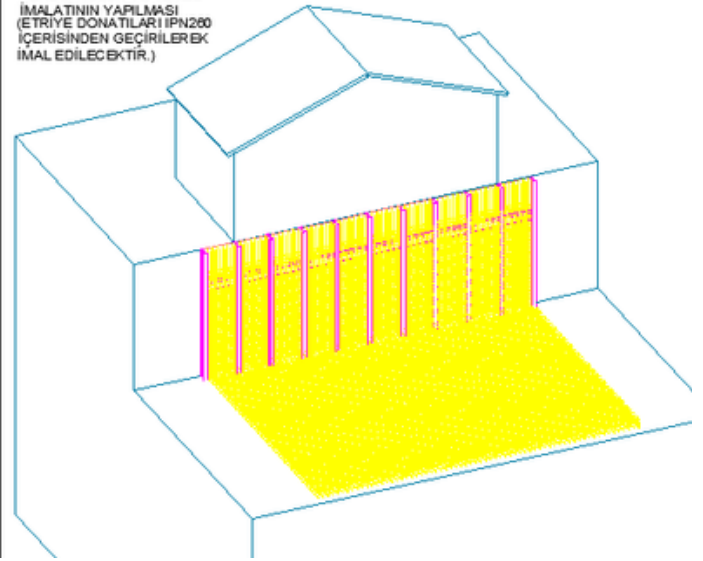
AŞAMA 2:
KAZIK ARASINA 4MM
SAÇ KAYNAK İMALATININ YAPILMASI



AŞAMA 3:
-1M KOTUNDA YANAL IPN260
İMALATININ YAPILMASI



AŞAMA 4:
PERDE, KOLON VE TEMEL
İMALATININ YAPILMASI
(ETRIYE DONATILARI IPN260
İÇERİSİNDEN GEÇİRİLEREK
İMAL EDİLECEKTİR.)

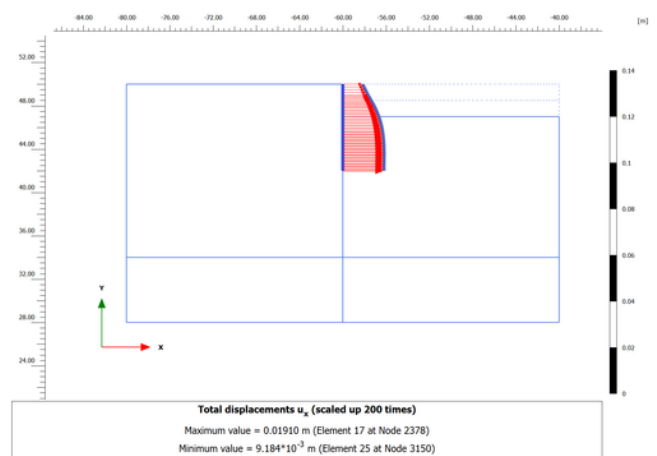
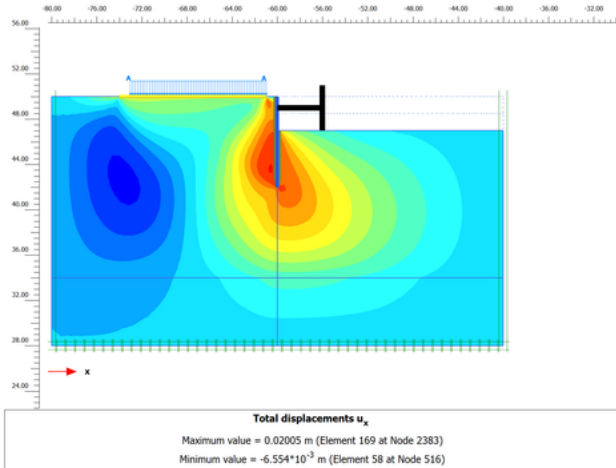


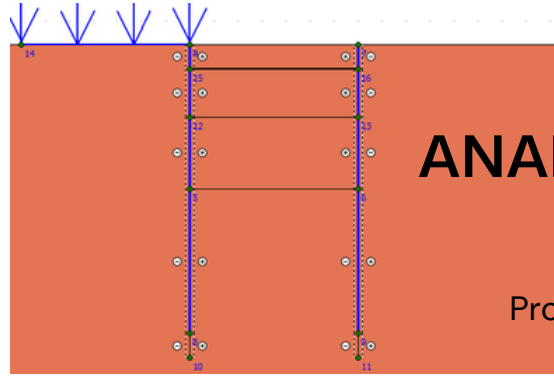
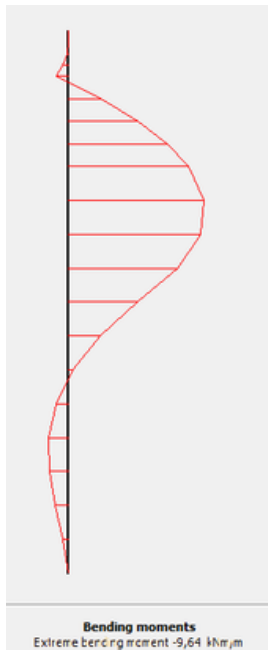
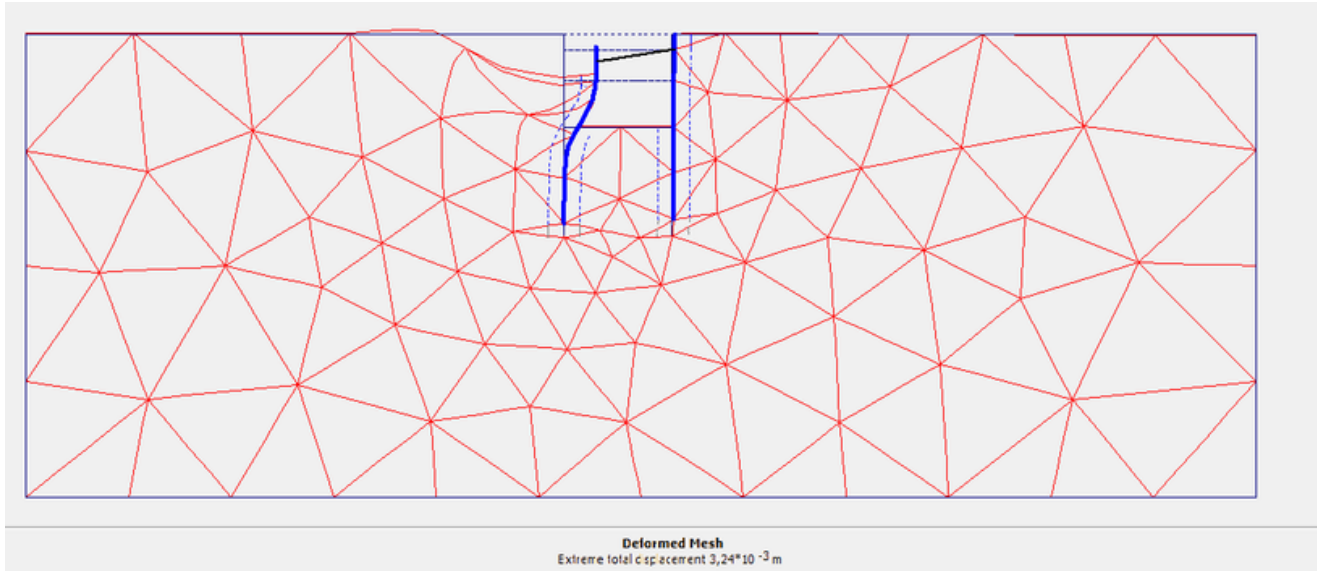
SÖKE BERLİN DUVARI PROJESİ

Proje Konum: Söke

Yapım Yılı: 2022

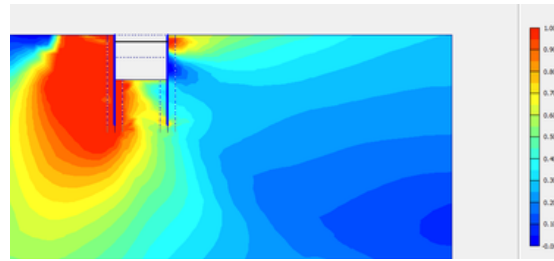
Proje Bilgileri: Berlin Duvarı Analizi



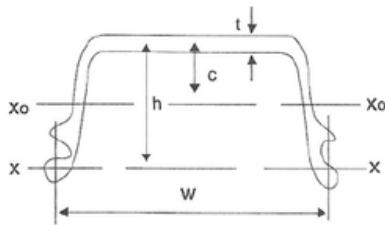


PALPLANJ ANALİZİ PROJESİ

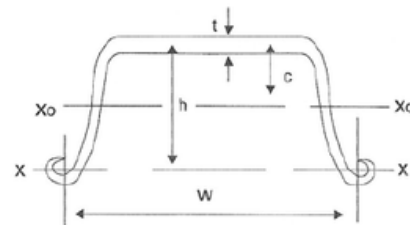
Proje Konum: Ödemiş
Yapım Yılı: 2022
Proje Bilgileri: Bitişik Nizam
Palplanj Analizi



YSP



FSP



Designation	Dimensions						Sectional Area				Surface Area			
	W		h		t		per pile		per wall width		per pile		per wall width	
	mm	in	mm	in	mm	in	cm ²	in ²	cm ² /m	in ² /ft	m ² /m	ft ² /ft	m ² /m ²	ft ² /ft ²
YSP I	400	15.7	75	2.95	8.0	0.315	46.49	7.206	116.2	4.589	1.15	3.77	1.44	1.44