3.1 NASLOVNA STRAN S KLJUČNIMI PODATKI O NAČRTU

Vrsta načrta:	**3 - NAČRT GRADBENIH KONSTRUKCIJ**
Investitor:	**OBČINA RADLJE OB DRAVI** **Mariborska cesta 7, 2360 Radlje ob Dravi**
Objekt:	**SOKOLSKI DOM – PREPLET VSEBIN SKOZI ZGODOVINO IN SEDANJOST**
Vrsta projektne dokumentacije	**PGD - Projekt za pridobitev gradbenega dovoljenja**
Za gradnjo:	**Rekonstrukcija, sprememba namembnosti**
Projektant:	**HIŠA NIŠA, načrtovanje in svetovanje d.o.o.,** **Verd 252, 1360 Vrhnika** Odgovorna oseba: **mag. Tomaž HABIČ, univ.dipl.inž.gradb.** Žig in podpis: hiša niša načrtovanje in svetovanje d.o.o.
Odgovorni projektant:	**mag. Tomaž HABIČ, univ.dipl.inž.gradb., IZS G-0332** Osebni žig in podpis: mag. TOMAŽ HABIČ univ. dipl. inž. grad. IZS G-0332
Odgovorni vodja projekta:	**Mojca ANTONIČ, univ.dipl.inž.arh., ZAPS A- 1366** Osebni žig in podpis: MOJCA ANTONIČ univ. dipl. inž. arh. pooblaščena arhitektka ZAPS 1366
Št. projekta:	**01/2016**
Št. načrta:	**006/17**
Kraj in datum izdelave:	**Ljubljana, februar 2017**

3.2 KAZALO VSEBINE NAČRTA

3.3 IZJAVA ODGOVORNEGA PROJEKTANTA NAČRTA

Odgovorni projektant

(ime in priimek)

mag. Tomaž HABIČ, univ.dipl.inž.grad.

v skladu s 4. odstavkom 20. člena Pravilnika o projektni dokumentaciji (Ur.l. RS št. 55/2008)

I Z J A V L J A M,

da bo objekt sposoben prevzeti obremenitve, ki bodo nastale med gradnjo in s tem projektom predvideno uporabo in je tako za nameravano gradnjo primeren.

(navedejo se potrebni načrti)

(št. načrta)

006/17

(ime in priimek)

mag. Tomaž HABIČ, univ.dipl.inž.grad.

mag. TOMAŽ HABIČ
univ. dipl. inž. grad.
IZS G-0332

(kraj in datum izdelave)

Ljubljana, februar 2017

(osebni žig in podpis)

3.4 TEHNIČNO POROČILO

3.4.1 TEHNIČNI OPIS

1 SPLOŠNO

Predmet načrta gradbenih konstrukcij je statika za rekonstrukcijo obstoječega javnega in poslovno-stanovanjskega objekta. Investitor OBČINA RADLJE OB DRAVI namerava v obstoječem objektu Sokolski dom urediti Center za usposabljanje, delo in varstvo Radlje ob Dravi in Gasilski, ter Sokolski muzej.

Obstoječi objekt je bil zgrajen leta 1938 in je bil prvi sokolski dom zgrajen severno od Drave in je imel po priključitvi Avstrije Nacistični Nemčiji tudi velik simbolni pomen. Po drugi svetovni vojni je v njem deloval kino, uporabljal pa se je tudi za uprizarjanje gledaliških predstav in za telovadnico. Od leta 1980 je v stavbi deloval vrtec Radlje, nekaj časa pa tudi gostinski lokal. Vrtec na tej lokaciji ne deluje več. Danes so v stavbi tri stanovanja, eden v pritličju in dva v nadstropju. Pritlično stanovanje in stanovanje v severu-vzhodnem vogalu nadstropja se rekonstruirata v prostore za potrebe centra, drugo stanovanje v nadstropju pa ni predmet projekta.

Sokolski muzej posvečen zgodovini objekta bo v zasteklenih arkadah desno od glavnega vhoda. Na levi strani bo trgovina namenjena prodaji in predstavitvi izdelkov centra.

Glavni vhod v center za usposabljanje je predviden iz južne fasade objekta z novim stopniščem in jaškom za dviglo kot vertikalno povezavo med pritličjem in nadstropjem. Obstoječi vhod iz severne fasade in stopnišče pa je namenjen ločenemu dostopu v nove prostore osebja centra in obstoječe stanovanje v nadstropju. unanja ureditev in načrti priključitve objekta na javno infrastrukturo so predmet obdelave drugih načrtov.

2 OPIS OBJEKTA

Obstoječe stanje

Obstoječi objekt je višinskih gabaritov P+N in je delno podkleten. Klet, večji del nadstropja in streha z ostrešjem ni predmet projekta za pridobitev gradbenega dovoljenja. Tlorisne dimenzije zgradbe (zunanji gabarit) so 32,77 x 15,18 (13,03) m. Objekt je temeljen plitvo preko pasovnih temeljev. Ocenjujemo, da so temelji izvedeni v približno enakih debelinah, kot so debeli kletni oziroma pritlični zidovi. Nosilno zidovje je pretežno opečno, zidano v apneni malti in debeline 25 do 45 cm. Na videz zidovi ne kažejo poškodb, razpok ali deformacij. Zidovje je razporejeno v pravilnem ortogonalnem sistemu in simetrično. Obstoječe stropne konstrukcije so armiranobetonske in lesene. Strešna konstrukcija je lesena, dvokapna.

Obstoječi objekt je bil zgrajen leta 1938 in je bil prvi sokolski dom zgrajen severno od Drave in je imel po priključitvi Avstrije Nacistični Nemčiji tudi velik simbolni pomen. Po drugi svetovni vojni je v njem deloval kino, uporabljal pa se je tudi za uprizarjanje gledaliških predstav in za telovadnico. Od leta 1980 je v stavbi deloval vrtec Radlje, nekaj časa pa tudi gostinski lokal. Vrtec na tej lokaciji ne deluje več. Danes so v stavbi tri stanovanja, eden v pritličju in dva v nadstropju. Pritlično stanovanje in stanovanje v severu-

vzhodnem vogalu nadstropja se rekonstruirata v prostore za potrebe centra, drugo stanovanje v nadstropju pa ni predmet projekta. Med uporabo objekta so bila za zagotavljanje različnih funkcionalnosti izvedena delne rekonstrukcije in predelave, za katere ni na razpolago tehnične dokumentacije.

Sanacija in rekonstrukcija

Temelji

Obežba na temelje se v glavnem (dvoranskem) delu objekta poveča, saj z rekonstrukcijo vzpostavimo v dvoranskem delu novo etažo, po celotnem objektu pa se izvede tudi armiranobetonska plošča proti podstrešju. Dodatne obtežbe povzročijo povečanje obremenitev v temeljnih tleh in posledično s projektom predvidimo tudi do betoniranje oziroma razširitev temeljev.

Pod novimi armiranobetonskimi stenami se izvedejo novi ab temelji, ki se povežejo z novimi do betoniranimi temeljnimi vezmi obstoječih zidov. Pod jaškom dvigala se izvede armiranobetonska temeljna plošča.

Dejanska globina in kvaliteta temeljev ter podatki o temeljnih tleh v tej fazi projekta niso poznani, zato mora investitor pred izdelavo izvedbene dokumentacije zagotoviti sondiranje temeljev objekta in geološko geomehansko poročilo. Na podlagi ugotovitev sondiranja in geomehanskega poročila se v izvedbeni fazi projektiranja po potrebi predvidi dodatne ukrepe.

Obstoječe zidovje

Ker so zidovi kleti in pritličja prekomerno vlažni zaradi kapilarnega dviga, kot posledica neizvedene horizontalne hidroizolacije (kar je slučaj v večini starejših objektov) se predvidijo naslednji ukrepi:

- izvedba drenaže ob zunanjih zidovih objekta,
- izvedba vertikalne izolacije na zunanjih zidovih, ki se nahajajo pod koto terena,
- izvedba hidrofobnih ometov do višine ca 100 cm nad vidnimi znaki prodora vlage
- zaključni opleski morajo biti v področju izvedbe sušilnih ometov mineralnega izvora

Detajlne postopke izvedbe sanacije proti vlagi se opredelijo v tehnološkem projektu sanacije, ki ga izdela izvajalec sanacije in potrdi strokovni nadzor.

Obstoječe zidovje se poveže s horizontalnimi armiranobetonskimi vezmi. V pritličju je predvidena izvedba večjih prebojev v srednjem zidu. Odprtine se zaključujejo z vertikalnimi vezmi, ki so s prekladnimi nosilci povezane v okvirno konstrukcijo, ki zagotavlja horizontalno in vertikalno nadomestno stabilnost.

Novo zidovje

Za zagotovitev prenosa horizontalnih sil in povezanost objekta ter podporo nove plošče, se izvedejo novi armiranobetonski zidovi, ki se sidrajo z obstoječimi opečnimi zidovi.

Novo stopnišče in dvigalni jašek

V dvoranskem delu se izvede novo armiranobetonsko stopnišče za dostop na novo etažo ter armiranobetonski dvigalni jašek.

Stropne konstrukcije v nadstropjih in mansardi

Odstranijo se obstoječe neustrezne armiranobetonske plošče in lesene stropne konstrukcije. Izvedejo se nove armiranobetonske plošče povezane z zidovjem.

Rekonstrukcija ostrešja

Ostrešje se v celoti ohranja. Po potrebi se na podlagi podrobnega pregleda izvede sanacija morebitno poškodovanih elementov ostrešja.

Potresna sanacija

Ukrepi za povečanje potresne odpornosti zgradbe, ki so s tem projektom predvideni, so:

Izvedejo se temeljne vezi in z injektiranjem izboljšajo mehanska odpornost kletnega zidovja.

Stropove in zidove stavbe ter ostrešje povežemo v dveh pravokotnih vodoravnih smereh in s tem zagotovimo prevzem in zmožnost prerazporeditve horizontalne potresne obtežbe na zidovje.

Izvedejo se novi armiranobetonski zidovi v dvoranskem delu, ki po izvedeni rekonstrukciji sodelujejo pri prevzemu potresnih obremenitev.

3 RAČUNSKA ANALIZA

Skladno z 8. Členom pravilnika o mehanski odpornosti in stabilnosti objektov izjavljamo, da je načrt gradbenih konstrukcij izdelan na podlagi pravil evrokodov.

Narejena je kontrola nosilosti prerezov in stabilnosti elementov za vse merodajne obtežne kombinacije v stalnem in začasnem projektnem stanju ter potresnem stanju. Statične količine so izračunane z linearno elastično analizo. Obremenitve so manjše od dovoljenih.

4 UPORABLJENI MATERIALI

Armiranobetonski elementi zo izvedeni iz betona kvalitete C25/30 in mehko armirani z jeklom kvalitete S500B. Zaščitna plast betona znaša 2.5cm, za elemente v stiku z zemljino in tehnološke objekte pa 4.0cm. Podložni beton pod temelji (v debelini 5 – 10 cm) mora ustrezati trdnostnemu razredu C12/15.

Vsi jekleni elementi so predvideni v jeklu kvalitete S235 JR, zaščiteni s premazi.

Leseni elementi so iz klasičnega žaganega lesa kvalitete C24, oz. lepljenci kvalitete GL24h.

5 VPLIVI NA KONSTUKCIJO

Stalni vplivi

- lastna teža konstrukcije ... upoštevana samodejno v programu glede na geometrijo in materialne karakteristike posameznih elementov
- sestave tlakov ... skladno z arhitektonskimi podlogami

Spremenljivi vplivi

- koristna obtežba v etažah ... 2,00 kN/m^2
- koristna obtežba - neizkoriščeni del podstrehe ... 1,50 kN/m^2
- sneg ... cona A2, n.m.v. 370m → s=0.8×1,63kN/m^2=1.30kN/m^2
- veter ... kategorija terena III, v_o=20m/s
- zemeljski pritisk ... mirni zemeljski pritisk; km=0,50, Yz=18,5 kN/m3

Potresni vplivi

- tla tip B, ag=0.10g, q=1.5, pomembnost objekta 1.0

6 UPORABLJENI STANDARDI

Pri analizi objekta so bili upoštevani standardi družine Evrokod, in sicer:

- Lastna, stalna in koristna obtežba	SIST EN 1991-1-1
- Sneg	SIST EN 1991-1-3
- Veter	SIST EN 1991-1-4
- Dimenzioniranje AB konstrukcij	SIST EN 1992-1-1
- Dimenzioniranje jeklenih konstrukcij	SIST EN 1993-1-1
- Dimenzioniranje lesenih konstrukcij	SIST EN 1995-1-1
- Geotehnično projektiranje	SIST EN 1997-1
- Potres	SIST EN 1998-1

7 SPLOŠNA NAVODILA ZA IZVEDBO REKONSTRUKCIJE

Sanacija objekta se lahko izvaja le na podlagi podrobnega PGD-PZI projekta. Med izvajanjem sanacije mora izvajalec zagotoviti ustrezno varnost in stabilnost posameznih obstoječih nosilnih elementov oziroma obstoječega objekta. Varnostni ukrepi se podrobneje opredelijo v Varnostnem načrtu. Delavci morajo biti z ukrepi seznanjeni in pri delu ustrezno zaščiteni. Gradbišče mora biti zavarovano z ograjo in opozorilnimi tablami.

Opozorilo:

I.- MED IZVAJANJEM REKONSTRUKCIJE OBSTOJEČIH NOSILNIH ELEMENTOV ZGRADBE MORA IZVAJALEC ZAGOTOVITI USTREZNO VARNOST IN STABILNOST POSAMEZNIH OBSTOJEČIH NOSILNIH ELEMENTOV OZIROMA OBSTOJEČEGA OBJEKTA.

II. OB BISTVENEM ODSTOPANJU OD V PROJEKTU PREDVIDENEGA STANJA, MORA IZVAJALEC DEL PRED PRIČETKOM RUŠENJA OZIROMA REKONSTRUKCIJE V SODELOVANJU S PROJEKTANTOM PREVERITI IN PO POTREBI DOPOLNITI PROJEKTNE REŠITVE.

III. MED IZVAJANJEM MORA BITI ZAGOTOVLJEN STROKOVNI IN PROJEKTANTSKI NADZOR.

8 OPAZOVANJE KONSTRUKCIJE OBJEKTA

V začetni fazi gradnje je potrebno izvesti podroben pregled objekta in evidentirati morebitne poškodbe. Izvedejo se reperji in nulti odčitke, nato pa je v presledkih 1 leta, 2, 5 in nadalje vsakih 5 let vršiti odčitovanje posedanja zidov objekta. Vse rezultate opazovanj je potrebno voditi v pisni obliki kot zapisnik o pregledu. Beležijo se splošni podatki, stanje objekta oziroma njegovih sklopov ter se predvidijo potrebni ukrepi. Morebitne nove poškodbe konstrukcije objekta nastale med izvedbo del se na podlagi navodil statika ustrezno sanirajo.

Ljubljana, februar 2017

Zapisal:
mag. Tomaž HABIČ, u.d.i.g

3.4.2 RAČUNSKA ANALIZA

hiša niša
načrtovanje in svetovanje d.o.o.
Verd 252, 1360 Vrhnika

SOKOLSKI DOM

ANALIZA KONSTRUKCIJE

Računal:
Robert KORENJAK u.d.i.g.

Pregledal:
mag. Tomaž HABIČ u.d.i.g.

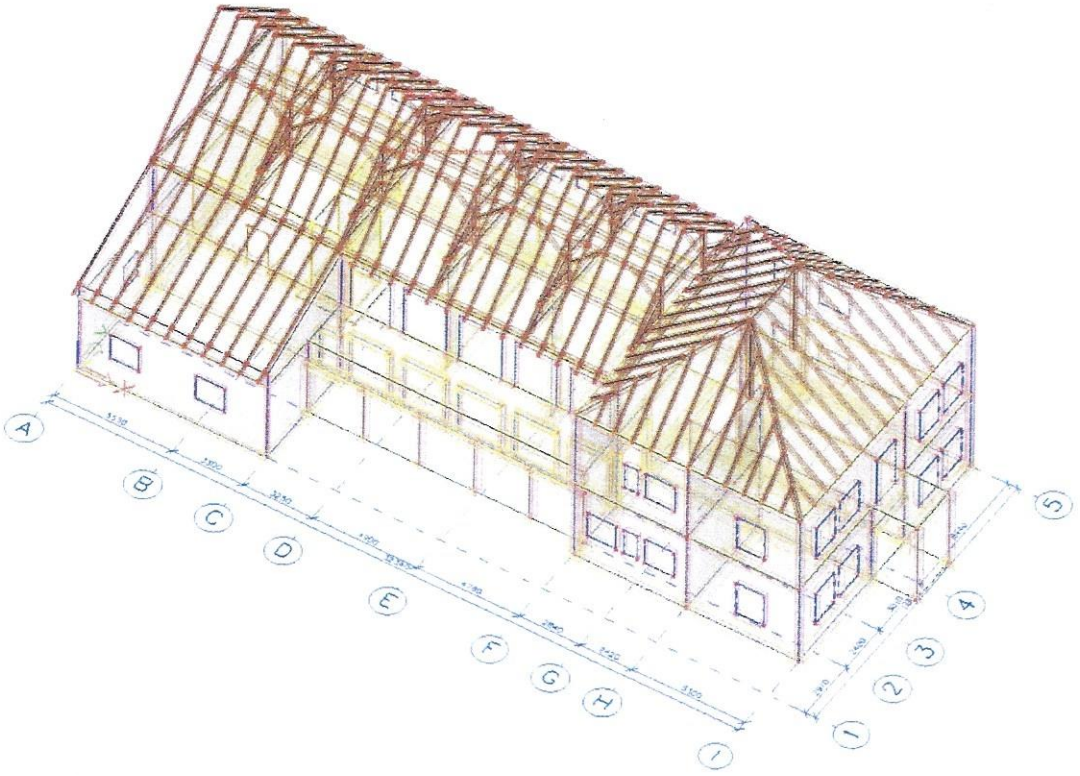
KAZALO VSEBINE

1. VHODNI PODATKI

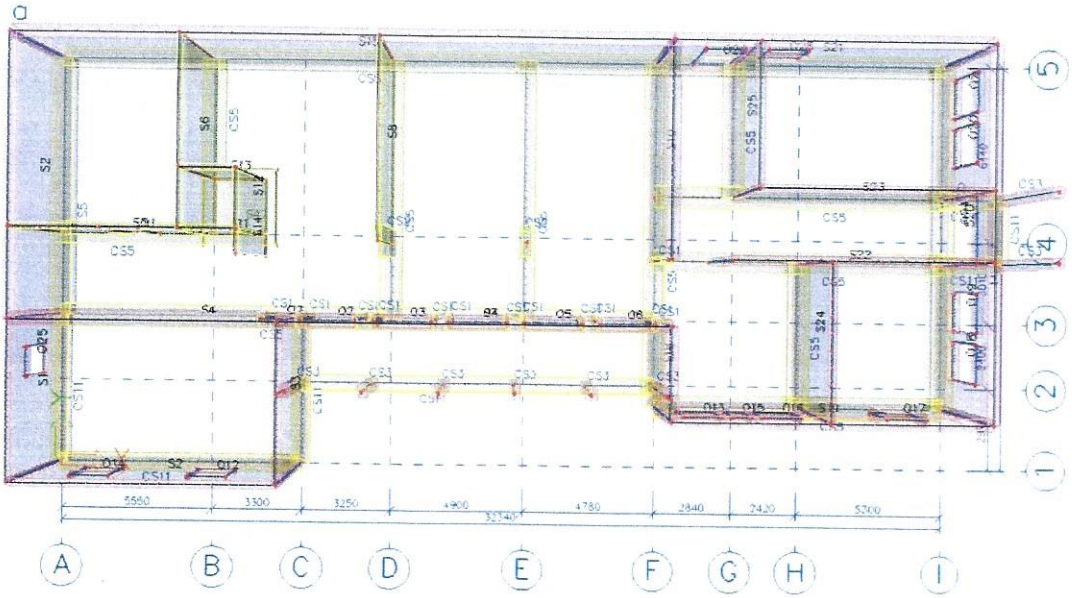
1.1. Vhodni podatki

1.1.1. Računski model

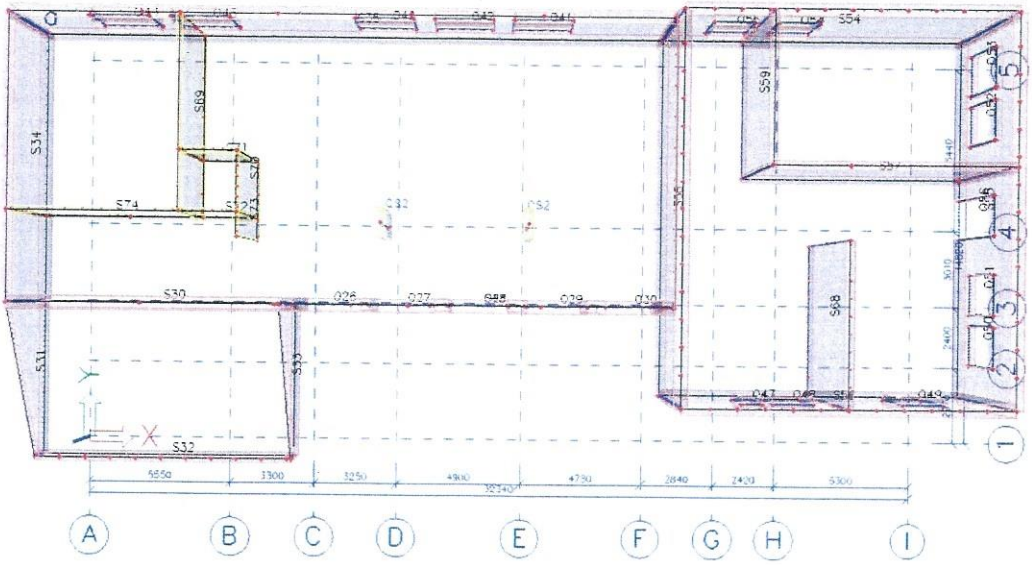
3D



TLORIS TEMELJEV IN STEN PRITLIČJA



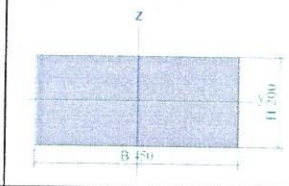
TLORIS 1. ETAŽE



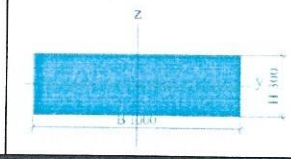
Podprtje z elastično podlago:
k=20000 kN/m^3

1.1.2. Podatki za program SCIA Engineer

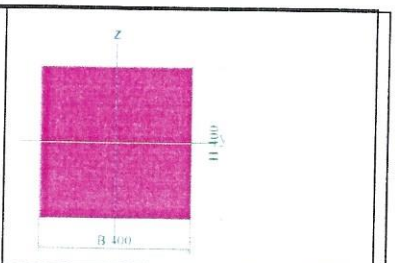
1.Cross-sections

Name	CS1	
Type	Rectangle	
Detailed	200; 450	
Item material	C25/30	
Fabrication	concrete	
Buckling y-y, z-z	b	b
FEM analysis	×	
Picture		

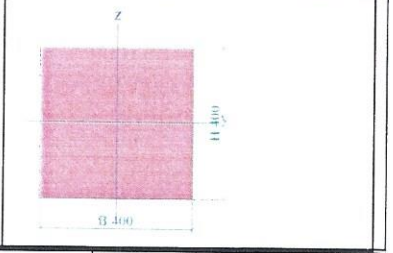
A [m²]	9.0000e-02	
A y, z [m²]	7.5000e-02	7.5000e-02
I y, z [m⁴]	3.0000e-04	1.5188e-03
I w [m⁶], t [m⁴]	0.0000e+00	8.5446e-04
Wel y, z [m³]	3.0000e-03	6.7500e-03
Wpl y, z [m³]	4.5000e-03	1.0125e-02
d y, z [mm]	0	0
c YLCS, ZLCS [mm]	225	100
alpha [deg]	0.00	
AL [m²/m]	1.3000e+00	

Name	CS2	
Type	Rectangle	
Detailed	300; 1000	
Item material	C25/30	
Fabrication	concrete	
Buckling y-y, z-z	b	b
FEM analysis	×	
Picture		

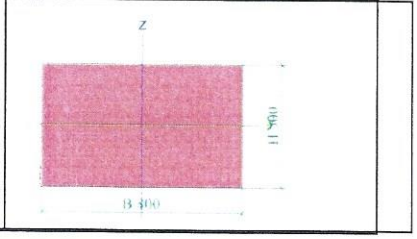
A [m²]	3.0000e-01	
A y, z [m²]	2.5000e-01	2.5000e-01
I y, z [m⁴]	2.2500e-03	2.5000e-02
I w [m⁶], t [m⁴]	0.0000e+00	7.2355e-03
Wel y, z [m³]	1.5000e-02	5.0000e-02
Wpl y, z [m³]	2.2500e-02	7.5000e-02
d y, z [mm]	0	0
c YLCS, ZLCS [mm]	500	150
alpha [deg]	0.00	
AL [m²/m]	2.6000e+00	

Name	CS3	
Type	Rectangle	
Detailed	400; 400	
Item material	zidovje	
Fabrication	concrete	
Buckling y-y, z-z	b	b
FEM analysis	×	
Picture		

A [m²]	1.6000e-01	
A y, z [m²]	1.3333e-01	1.3333e-01
I y, z [m⁴]	2.1333e-03	2.1333e-03
I w [m⁶], t [m⁴]	0.0000e+00	3.5994e-03
Wel y, z [m³]	1.0667e-02	1.0667e-02
Wpl y, z [m³]	1.6000e-02	1.6000e-02
d y, z [mm]	0	0
c YLCS, ZLCS [mm]	200	200
alpha [deg]	0.00	
AL [m²/m]	1.6000e+00	

Name	CS4	
Type	Rectangle	
Detailed	400; 400	
Item material	C25/30	
Fabrication	concrete	
Buckling y-y, z-z	b	b
FEM analysis	×	
Picture		

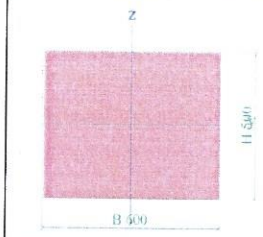
A [m²]	1.6000e-01	
A y, z [m²]	1.3333e-01	1.3333e-01
I y, z [m⁴]	2.1333e-03	2.1333e-03
I w [m⁶], t [m⁴]	0.0000e+00	3.5994e-03
Wel y, z [m³]	1.0667e-02	1.0667e-02
Wpl y, z [m³]	1.6000e-02	1.6000e-02
d y, z [mm]	0	0
c YLCS, ZLCS [mm]	200	200
alpha [deg]	0.00	
AL [m²/m]	1.6000e+00	

Name	CS5	
Type	Rectangle	
Detailed	500; 800	
Item material	C25/30	
Fabrication	concrete	
Buckling y-y, z-z	b	b
FEM analysis	×	
Picture		

A [m²]	4.0000e-01	
A y, z [m²]	3.3333e-01	3.3333e-01
I y, z [m⁴]	8.3333e-03	2.1333e-02
I w [m⁶], t [m⁴]	0.0000e+00	2.0238e-02
Wel y, z [m³]	3.3333e-02	5.3333e-02
Wpl y, z [m³]	5.0000e-02	8.0000e-02
d y, z [mm]	0	0
c YLCS, ZLCS [mm]	400	250
alpha [deg]	0.00	
AL [m²/m]	2.6000e+00	

Name	CS11	
Type	Rectangle	
Detailed	500; 600	
Item material	C25/30	
Fabrication	concrete	
Buckling y-y, z-z	b	b
FEM analysis	×	

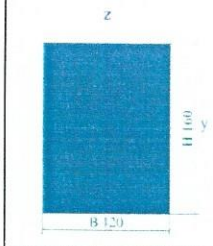
Picture



A [m²]	3.0000e-01	
A y, z [m²]	2.5000e-01	2.5000e-01
I y, z [m⁴]	6.2500e-03	9.0000e-03
I w [m⁶], t [m⁴]	0.0000e+00	1.2458e-02
Wel y, z [m³]	2.5000e-02	3.0000e-02
Wpl y, z [m³]	3.7500e-02	4.5000e-02
d y, z [mm]	0	0
c YLCS, ZLCS [mm]	300	250
alpha [deg]	0.00	
AL [m²/m]	2.2000e+00	

Name	CS6	
Type	RECT	
Detailed	120; 160	
Item material	C24	
Fabrication	timber	
Buckling y-y, z-z	b	b
FEM analysis	×	

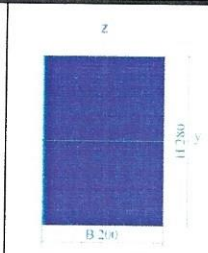
Picture



A [m²]	1.9200e-02	
A y, z [m²]	1.9200e-02	1.9200e-02
I y, z [m⁴]	4.0960e-05	2.3040e-05
I w [m⁶], t [m⁴]	0.0000e+00	7.2292e-05
Wel y, z [m³]	5.1200e-04	3.8400e-04
Wpl y, z [m³]	7.6800e-04	5.7600e-04
d y, z [mm]	0	0
c YLCS, ZLCS [mm]	60	80
alpha [deg]	0.00	
AL [m²/m]	5.6000e-01	

Name	CS7	
Type	RECT	
Detailed	200; 280	
Item material	C24	
Fabrication	timber	
Buckling y-y, z-z	b	b
FEM analysis	×	

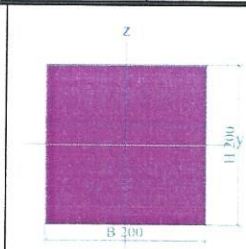
Picture



A [m²]	5.6000e-02	
A y, z [m²]	5.6000e-02	5.6000e-02
I y, z [m⁴]	3.6587e-04	1.8667e-04
I w [m⁶], t [m⁴]	0.0000e+00	5.9859e-04
Wel y, z [m³]	2.6133e-03	1.8667e-03
Wpl y, z [m³]	3.9200e-03	2.8000e-03
d y, z [mm]	0	0
c YLCS, ZLCS [mm]	100	140
alpha [deg]	0.00	
AL [m²/m]	9.6000e-01	

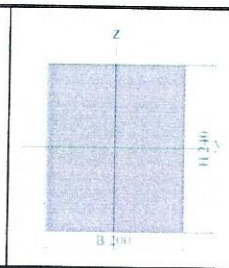
Name	CS8	
Type	RECT	
Detailed	200; 200	
Item material	C24	
Fabrication	timber	
Buckling y-y, z-z	b	b
FEM analysis	×	

Picture

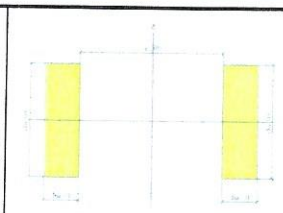


A [m²]	4.0000e-02	
A y, z [m²]	4.0000e-02	4.0000e-02
I y, z [m⁴]	1.3333e-04	1.3333e-04
I w [m⁶], t [m⁴]	0.0000e+00	3.3941e-04
Wel y, z [m³]	1.3333e-03	1.3333e-03
Wpl y, z [m³]	2.0000e-03	2.0000e-03
d y, z [mm]	0	0
c YLCS, ZLCS [mm]	100	100
alpha [deg]	0.00	
AL [m²/m]	8.0000e-01	

Name	CS9	
Type	RECT	
Detailed	200; 240	
Item material	C24	
Fabrication	timber	
Buckling y-y, z-z	b	b
FEM analysis	×	

Picture		
		
A [m²]	4.8000e-02	
A y, z [m²]	4.8000e-02	4.8000e-02
I y, z [m⁴]	2.3040e-04	1.6000e-04
I w [m⁶], t [m⁴]	0.0000e+00	4.7311e-04
Wel y, z [m³]	1.9200e-03	1.6000e-03
Wpl y, z [m³]	2.8800e-03	2.4000e-03
d y, z [mm]	0	0
c YLCS, ZLCS [mm]	100	120
alpha [deg]	0.00	
AL [m²/m]	8.8000e-01	

Name	CS10	
Type	2 Rect	
Detailed	50; 160; 200	
Item material	C24	
Fabrication	timber	
Buckling y-y, z-z	b	b
FEM analysis	x	

Picture		
		
A [m²]	1.6000e-02	
A y, z [m²]	1.6000e-02	1.6000e-02
I y, z [m⁴]	3.4133e-05	2.5333e-04
I w [m⁶], t [m⁴]	0.0000e+00	6.4095e-06
Wel y, z [m³]	4.2667e-04	1.6889e-03
Wpl y, z [m³]	6.4000e-04	2.0000e-03
d y, z [mm]	0	0
c YLCS, ZLCS [mm]	150	80
alpha [deg]	0.00	
AL [m²/m]	8.4000e-01	

2.Materials

Name	Type	Unit mass [kg/m³]	E mod [MPa]	Poisson - nu	G mod [MPa]	Thermal exp [m/mK]	Characteristic compressive cylinder strength fck(28) [MPa]
C25/30	Concrete	2500.00	3.1500e+04	0.2	1.3125e+04	0.00	25.00

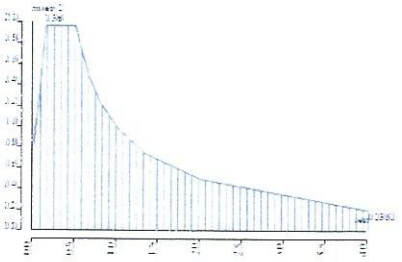
Name	Type	Unit mass [kg/m³]	E mod [MPa]	Poisson - nu	G mod [MPa]	Thermal exp [m/mK]	Type of timber
C24	Timber	350.00	1.1000e+04	0	6.9000e+02	0.00	Solid

Name	Type	Unit mass [kg/m³]	E mod [MPa]	Poisson - nu	G mod [MPa]	Thermal exp [m/mK]	Characteristic compressive cylinder strength fck(28) [MPa]
zidovje	Concrete	1600.00	1.0000e+03	0.2	4.1667e+02	0.00	12.00

3.Subsoils

Name	C1x [MN/m³]	C1y [MN/m³]	Stiffness [MN/m³]	C2x [MN/m]	C2y [MN/m]
Sub1	2.0000e+00	2.0000e+00	2.0000e+01	2.0000e+00	2.0000e+00

4.Seismic spectrums

Name	Type drawing	Info	Drawing
FS1	Period	Type code - Eurocode Subsoil type - B Direction - Horizontal Spectrum type - type 1 coeff accel. ag - 0.1 ag - design acceleration - 0.980665 beta - 0.2 q - behaviour factor - 1.5	

5.Load cases

Name	Action type	LoadGroup	Load type	Spec	Direction	Duration	Master load case
LT	Permanent	LG1	Self weight		-Z		

SO	Permanent	LG1	Standard				
Q	Variable	LG2	Static	Standard		Short	None
Ex	Variable	E	Dynamic	Seismicity			None
Ey	Variable	E	Dynamic	Seismicity			None

6.Load groups

Name	Load	Relation	Coeff 2
LG1	Permanent		
LG2	Variable	Standard	Cat A : Domestic
E	Variable	Exclusive	Cat A : Domestic

7.Combinations

Name	Type	Load cases	Coeff. [-]
msn_q	Envelope - ultimate	LT SO Q	1.35 1.35 1.50
msn_E	Envelope - ultimate	LT SO Q Ex Ey	1.00 1.00 0.30 1.00 1.00
msu_ns	Envelope - serviceability	LT SO Q	1.00 1.00 0.30

8.Mass groups

Name	Load case
m_so	SO
m_q	Q

9.Combinations of mass groups

Name	Mass group	Coeff. [-]
CM1	m_so m_q	1.00 0.30

10.Result classes

Name	List
All ULS	msn_q msn_E

11.Node

Name	Coord X [m]	Coord Y [m]	Coord Z [m]
N1	0.000	0.000	0.000
N4	0.000	0.000	4.100
N5	8.850	0.000	0.000
N6	8.850	0.000	4.100
N7	0.000	5.370	0.000
N8	0.000	5.370	4.100
N9	0.000	14.820	0.000
N10	0.000	14.820	4.100
N11	8.850	5.370	0.000
N12	8.850	5.370	4.100
N13	0.000	8.380	0.000
N14	5.550	8.380	0.000
N15	5.550	8.380	4.100
N16	0.000	8.380	4.100
N17	5.550	14.820	0.000
N18	5.550	14.820	4.100
N19	21.780	5.370	0.000
N20	21.780	5.370	4.100
N21	12.100	8.080	0.000
N22	12.100	14.820	0.000
N23	12.100	14.820	4.100
N24	12.100	8.080	4.100
N29	21.780	7.580	0.000
N30	21.780	14.820	0.000
N31	21.780	14.820	4.100
N32	21.780	7.580	4.100
N33	7.450	8.380	0.000
N34	7.450	8.380	4.100
N35	7.450	10.380	0.000
N36	7.450	10.380	4.100
N37	5.550	10.380	0.000
N38	5.550	10.380	4.100
N39	7.450	7.580	0.000
N40	7.450	7.580	4.100
N41	2.550	8.380	2.200
N42	3.550	8.380	2.200
N43	3.550	8.380	0.000
N44	2.550	8.380	0.000
N45	9.250	5.370	2.600
N46	11.150	5.370	2.600
N47	11.150	5.370	0.000
N48	9.250	5.370	0.000
N49	11.750	5.370	2.600
N50	13.750	5.370	2.600
N51	13.750	5.370	0.000
N52	11.750	5.370	0.000
N53	14.350	5.370	2.600
N54	16.350	5.370	2.600
N55	16.350	5.370	0.000
N56	14.350	5.370	0.000
N57	16.950	5.370	2.600
N58	18.950	5.370	2.600
N59	18.950	5.370	0.000
N60	16.950	5.370	0.000
N61	19.550	5.370	2.600
N62	21.450	5.370	2.600
N63	21.450	5.370	0.000
N64	19.550	5.370	0.000
N65	7.850	5.370	2.200
N66	8.850	5.370	2.200
N67	7.850	5.370	0.000
N68	17.000	8.080	0.000
N69	17.000	8.080	4.100
N70	21.780	5.370	3.100
N71	21.780	7.580	3.100
N72	21.780	5.370	0.000
N73	21.780	7.580	0.000
N74	21.780	7.580	4.100
N75	21.780	5.370	4.100

N76	8.850	2.970	0.000
N78	11.450	2.970	0.000
N79	11.450	2.970	2.900
N80	14.050	2.970	0.000
N81	14.050	2.970	2.900
N82	16.650	2.970	0.000
N83	16.650	2.970	2.900
N84	19.250	2.970	0.000
N85	19.250	2.970	2.900
N86	21.780	2.970	0.000
N87	21.780	2.970	2.900
N88	8.850	2.970	2.900
N89	21.780	2.970	4.100
N90	8.850	2.970	4.100
N91	21.780	2.230	0.000
N92	21.780	2.230	4.100
N93	32.340	2.230	0.000
N94	32.340	2.230	4.100
N95	32.340	14.820	0.000
N96	32.340	14.820	4.100
N98	32.340	7.580	0.000
N99	32.340	7.580	4.100
N102	32.340	9.930	0.000
N103	32.340	9.930	4.100
N105	27.060	2.230	0.000
N106	27.060	7.580	0.000
N107	27.060	7.580	4.100
N108	27.060	2.230	4.100
N109	24.620	9.930	0.000
N110	24.620	14.820	0.000
N111	24.620	14.820	4.100
N112	24.620	9.930	4.100
N113	23.780	7.580	0.000
N114	23.780	7.580	4.100
N119	3.000	5.370	4.100
N120	5.550	5.370	4.100
N122	3.000	8.380	4.100
N123	21.780	9.930	0.000
N124	12.100	5.370	0.000
N125	17.000	5.370	0.000
N126	17.000	14.820	0.000
N131	5.500	0.000	2.800
N132	6.850	0.000	2.800
N133	6.850	0.000	1.450
N134	5.500	0.000	1.450
N135	22.383	2.230	2.800
N136	23.733	2.230	2.800
N137	23.733	2.230	1.450
N138	22.383	2.230	1.450
N139	1.500	0.000	2.800
N140	2.850	0.000	2.800
N141	2.850	0.000	1.450
N142	1.500	0.000	1.450
N143	24.083	2.230	2.800
N144	24.758	2.230	2.800
N145	24.758	2.230	1.450
N146	24.083	2.230	1.450
N147	26.458	2.230	2.800
N148	25.108	2.230	2.800
N149	25.108	2.230	1.450
N150	26.458	2.230	1.450
N151	30.712	2.230	2.800
N152	29.363	2.230	2.800
N153	29.363	2.230	1.100
N154	30.712	2.230	1.100
N155	32.340	3.458	2.800
N156	32.340	4.808	2.800
N157	32.340	4.808	1.100
N158	32.340	3.458	1.100
N159	32.340	5.208	2.800
N160	32.340	6.558	2.800
N161	32.340	6.558	1.100
N162	32.340	5.208	1.100
N163	32.340	11.025	2.800
N164	32.340	12.375	2.800
N165	32.340	12.375	1.100
N166	32.340	11.025	1.100
N167	32.340	12.775	2.800
N168	32.340	14.125	2.800
N169	32.340	14.125	1.100
N170	32.340	12.775	1.100
N171	23.058	14.820	2.800
N172	24.407	14.820	2.800
N173	24.407	14.820	0.200
N174	23.058	14.820	0.200
N175	25.223	14.820	2.800
N176	26.573	14.820	2.800
N177	26.573	14.820	1.450
N178	25.223	14.820	1.450
N179	32.340	7.580	2.800
N180	32.340	9.930	2.800
N181	0.000	3.350	2.800
N182	0.000	4.348	2.800
N183	0.000	4.348	1.450
N184	0.000	3.350	1.450
N185	8.850	5.370	7.000
N186	0.000	5.370	7.000
N187	0.000	0.000	4.800
N188	8.850	0.000	4.800
N189	0.000	14.820	7.000
N190	21.780	14.820	7.000
N198	12.100	8.080	7.000
N199	17.000	8.080	7.000
N200	21.780	5.370	7.000
N201	9.250	5.370	6.700
N202	11.150	5.370	6.700
N203	11.150	5.370	4.100
N204	9.250	5.370	4.100
N205	11.750	5.370	6.700
N206	13.750	5.370	6.700
N207	13.750	5.370	4.100
N208	11.750	5.370	4.100
N209	14.350	5.370	6.700
N210	16.350	5.370	6.700
N211	16.350	5.370	4.100
N212	14.350	5.370	4.100
N213	16.950	5.370	6.700
N214	18.950	5.370	6.700
N215	18.950	5.370	4.100
N216	16.950	5.370	4.100
N217	19.550	5.370	6.700
N218	21.450	5.370	6.700
N219	21.450	5.370	4.100
N220	19.550	5.370	4.100
N261	16.458	14.820	6.600
N262	18.408	14.820	6.600
N263	18.408	14.820	5.250
N264	16.458	14.820	5.250
N265	13.808	14.820	6.600
N266	15.758	14.820	6.600
N267	15.758	14.820	5.250
N268	13.808	14.820	5.250
N269	11.158	14.820	6.600
N270	13.108	14.820	6.600
N271	13.108	14.820	5.250
N272	11.158	14.820	5.250
N273	2.485	14.820	6.600
N274	4.435	14.820	6.600
N275	4.435	14.820	5.250
N276	2.485	14.820	5.250
N277	5.135	14.820	6.600
N278	7.085	14.820	6.600
N279	7.085	14.820	5.250
N280	5.135	14.820	5.250
N283	5.150	8.380	0.000
N284	5.550	10.780	0.000
N285	7.850	7.980	0.000
N286	7.850	10.780	0.000
N287	5.150	10.780	0.000
N288	5.150	7.980	0.000
N313	21.780	14.820	8.100
N314	32.340	14.820	8.100
N315	32.340	2.230	8.100
N316	21.780	2.230	8.100
N317	24.620	9.930	8.100
N318	24.620	14.820	8.100
N322	24.083	2.230	6.600
N323	24.758	2.230	6.600
N324	24.758	2.230	5.250
N325	24.083	2.230	5.250
N326	26.458	2.230	6.600
N327	25.108	2.230	6.600
N328	25.108	2.230	5.250
N329	26.458	2.230	5.250
N330	30.712	2.230	6.600
N331	29.363	2.230	6.600
N332	29.363	2.230	4.900
N333	30.712	2.230	4.900
N334	32.340	3.458	6.600
N335	32.340	4.808	6.600
N336	32.340	4.808	4.900
N337	32.340	3.458	4.900
N338	32.340	5.208	6.600
N339	32.340	6.558	6.600
N340	32.340	6.558	4.900
N341	32.340	5.208	4.900
N342	32.340	11.025	6.600
N343	32.340	12.375	6.600
N344	32.340	12.375	4.900
N345	32.340	11.025	4.900
N346	32.340	12.775	6.600
N347	32.340	14.125	6.600
N348	32.340	14.125	4.900
N349	32.340	12.775	4.900
N350	25.223	14.820	6.600
N351	26.573	14.820	6.600
N352	26.573	14.820	5.250
N353	25.223	14.820	5.250
N354	23.058	14.820	6.600
N355	24.408	14.820	6.600
N356	24.408	14.820	5.250
N357	23.058	14.820	5.250
N358	32.340	9.930	8.100
N359	32.340	7.850	6.600
N360	32.340	9.200	6.600

N361	32.340	9.200	4.100
N362	32.340	7.850	4.100
N365	21.780	9.930	8.100
N366	21.780	9.930	4.100
N369	34.440	7.580	4.100
N370	34.440	9.930	4.100
N372	0.000	10.095	11.600
N373	0.000	5.370	7.200
N374	0.000	14.820	7.200
N375	0.000	8.520	7.200
N376	0.000	8.520	10.133
N377	0.000	11.670	7.200
N378	0.000	11.670	10.133
N389	4.350	5.370	7.000
N390	4.350	14.820	7.000
N391	4.350	10.095	11.700
N392	4.350	5.370	7.200
N393	4.350	14.820	7.200
N394	4.350	8.520	7.200
N395	4.350	8.520	10.133
N396	4.350	11.670	7.200
N397	4.350	11.670	10.133
N398	4.350	8.520	9.156
N399	4.350	11.670	9.156
N400	4.350	5.670	7.200
N401	4.350	14.520	7.200
N402	4.350	11.670	8.178
N403	4.350	13.877	8.178
N404	4.350	13.095	8.178
N405	4.350	8.520	8.178
N406	4.350	6.313	8.178
N407	4.350	7.095	8.178
N409	4.350	15.186	6.959
N410	0.000	15.186	6.959
N412	8.700	5.370	7.000
N413	8.700	14.820	7.000
N414	8.700	10.095	11.700
N415	8.700	5.370	7.200
N416	8.700	14.820	7.200
N417	8.700	8.520	7.200
N418	8.700	8.520	10.133
N419	8.700	11.670	7.200
N420	8.700	11.670	10.133
N421	8.700	8.520	9.156
N422	8.700	11.670	9.156
N423	8.700	5.670	7.200
N424	8.700	14.520	7.200
N425	8.700	11.670	8.178
N426	8.700	13.877	8.178
N427	8.700	13.095	8.178
N428	8.700	8.520	8.178
N429	8.700	6.313	8.178
N430	8.700	7.095	8.178
N432	8.700	15.186	6.959
N433	13.050	5.370	7.000
N434	13.050	14.820	7.000
N435	13.050	10.095	11.700
N436	13.050	5.370	7.200
N437	13.050	14.820	7.200
N438	13.050	8.520	7.200
N439	13.050	8.520	10.133
N440	13.050	11.670	7.200
N441	13.050	11.670	10.133
N442	13.050	8.520	9.156
N443	13.050	11.670	9.156
N444	13.050	5.670	7.200
N445	13.050	14.520	7.200
N446	13.050	11.670	8.178
N447	13.050	13.877	8.178
N448	13.050	13.095	8.178
N449	13.050	8.520	8.178
N450	13.050	6.313	8.178
N451	13.050	7.095	8.178
N452	13.050	5.004	6.959
N453	13.050	15.186	6.959
N454	17.400	5.370	7.000
N455	17.400	14.820	7.000
N456	17.400	10.095	11.700
N457	17.400	5.370	7.200
N458	17.400	14.820	7.200
N459	17.400	8.520	7.200
N460	17.400	8.520	10.133
N461	17.400	11.670	7.200
N462	17.400	11.670	10.133
N463	17.400	8.520	9.156
N464	17.400	11.670	9.156
N465	17.400	5.670	7.200
N466	17.400	14.520	7.200
N467	17.400	11.670	8.178
N468	17.400	13.877	8.178
N469	17.400	13.095	8.178
N470	17.400	8.520	8.178
N471	17.400	6.313	8.178
N472	17.400	7.095	8.178
N473	17.400	5.004	6.959
N474	17.400	15.186	6.959
N475	21.750	5.370	7.000
N476	21.750	14.820	7.000
N477	21.750	10.095	11.700
N478	21.750	5.370	7.200
N479	21.750	14.820	7.200
N480	21.750	8.520	7.200
N481	21.750	8.520	10.133
N482	21.750	11.670	7.200
N483	21.750	11.670	10.133
N484	21.750	8.520	9.156
N485	21.750	11.670	9.156
N486	21.750	5.670	7.200
N487	21.750	14.520	7.200
N488	21.750	11.670	8.178
N489	21.750	13.877	8.178
N490	21.750	13.095	8.178
N491	21.750	8.520	8.178
N492	21.750	6.313	8.178
N493	21.750	7.095	8.178
N494	21.750	5.004	6.959
N495	21.750	15.186	6.959
N496	3.480	5.370	7.300
N497	3.480	10.095	11.700
N498	3.480	15.186	6.959
N499	2.610	5.370	7.300
N500	2.610	10.095	11.700
N501	2.610	15.186	6.959
N502	1.740	5.370	7.300
N503	1.740	10.095	11.700
N504	1.740	15.186	6.959
N505	0.870	5.370	7.300
N506	0.870	10.095	11.700
N507	0.870	15.186	6.959
N508	0.000	5.370	7.300
N509	0.000	10.095	11.700
N510	4.350	5.370	7.300
N511	8.700	5.370	7.300
N512	0.000	14.820	7.300
N513	0.000	8.520	10.233
N514	0.000	11.670	10.233
N515	4.350	8.520	10.233
N517	4.350	11.670	10.233
N518	4.350	14.820	7.300
N519	8.700	8.520	10.233
N521	8.700	11.670	10.233
N522	8.700	14.820	7.300
N523	13.050	5.370	7.300
N524	13.050	8.520	10.233
N526	13.050	11.670	10.233
N527	13.050	14.820	7.300
N528	17.400	5.370	7.300
N529	17.400	8.520	10.233
N531	17.400	11.670	10.233
N532	17.400	14.820	7.300
N533	21.750	5.370	7.300
N534	21.750	8.520	10.233
N536	21.750	11.670	10.233
N537	21.750	14.820	7.300
N538	3.480	5.370	7.200
N539	3.480	8.520	10.133
N540	3.480	8.520	10.233
N542	3.480	11.670	10.133
N543	3.480	11.670	10.233
N544	3.480	14.820	7.200
N545	3.480	14.820	7.300
N546	2.610	5.370	7.200
N547	2.610	8.520	10.133
N548	2.610	8.520	10.233
N550	2.610	11.670	10.133
N551	2.610	11.670	10.233
N552	2.610	14.820	7.200
N553	2.610	14.820	7.300
N554	1.740	5.370	7.200
N555	1.740	8.520	10.133
N556	1.740	8.520	10.233
N558	1.740	11.670	10.133
N559	1.740	11.670	10.233
N560	1.740	14.820	7.200
N561	1.740	14.820	7.300
N562	0.870	5.370	7.200
N563	0.870	8.520	10.133
N564	0.870	8.520	10.233
N566	0.870	11.670	10.133
N567	0.870	11.670	10.233
N568	0.870	14.820	7.200
N569	0.870	14.820	7.300
N570	5.220	5.370	7.300
N571	5.220	10.095	11.700
N572	5.220	15.186	6.959
N573	5.220	5.370	7.200
N574	5.220	8.520	10.133
N575	5.220	8.520	10.233
N576	5.220	11.670	10.133
N577	5.220	11.670	10.233
N578	5.220	14.820	7.200
N579	5.220	14.820	7.300
N580	6.090	5.370	7.300
N581	6.090	10.095	11.700
N582	6.090	15.186	6.959

N583	6.090	5.370	7.200
N584	6.090	8.520	10.133
N585	6.090	8.520	10.233
N586	6.090	11.670	10.133
N587	6.090	11.670	10.233
N588	6.090	14.820	7.200
N589	6.090	14.820	7.300
N590	6.960	5.370	7.300
N591	6.960	10.095	11.700
N592	6.960	15.186	6.959
N593	6.960	5.370	7.200
N594	6.960	8.520	10.133
N595	6.960	8.520	10.233
N596	6.960	11.670	10.133
N597	6.960	11.670	10.233
N598	6.960	14.820	7.200
N599	6.960	14.820	7.300
N600	7.830	5.370	7.300
N601	7.830	10.095	11.700
N602	7.830	15.186	6.959
N603	7.830	5.370	7.200
N604	7.830	8.520	10.133
N605	7.830	8.520	10.233
N606	7.830	11.670	10.133
N607	7.830	11.670	10.233
N608	7.830	14.820	7.200
N609	7.830	14.820	7.300
N610	9.570	5.370	7.300
N611	9.570	10.095	11.700
N612	9.570	15.186	6.959
N613	9.570	5.370	7.200
N614	9.570	8.520	10.133
N615	9.570	8.520	10.233
N616	9.570	11.670	10.133
N617	9.570	11.670	10.233
N618	9.570	14.820	7.200
N619	9.570	14.820	7.300
N620	10.440	5.370	7.300
N621	10.440	10.095	11.700
N622	10.440	15.186	6.959
N623	10.440	5.370	7.200
N624	10.440	8.520	10.133
N625	10.440	8.520	10.233
N626	10.440	11.670	10.133
N627	10.440	11.670	10.233
N628	10.440	14.820	7.200
N629	10.440	14.820	7.300
N630	11.310	5.370	7.300
N631	11.310	10.095	11.700
N632	11.310	15.186	6.959
N633	11.310	5.370	7.200
N634	11.310	8.520	10.133
N635	11.310	8.520	10.233
N636	11.310	11.670	10.133
N637	11.310	11.670	10.233
N638	11.310	14.820	7.200
N639	11.310	14.820	7.300
N640	12.180	5.370	7.300
N641	12.180	10.095	11.700
N642	12.180	15.186	6.959
N643	12.180	5.370	7.200
N644	12.180	8.520	10.133
N645	12.180	8.520	10.233
N646	12.180	11.670	10.133
N647	12.180	11.670	10.233
N648	12.180	14.820	7.200
N649	12.180	14.820	7.300
N650	13.920	5.370	7.300
N651	13.920	10.095	11.700
N652	13.920	15.186	6.959
N653	13.920	5.370	7.200
N654	13.920	8.520	10.133
N655	13.920	8.520	10.233
N656	13.920	11.670	10.133
N657	13.920	11.670	10.233
N658	13.920	14.820	7.200
N659	13.920	14.820	7.300
N660	14.790	5.370	7.300
N661	14.790	10.095	11.700
N662	14.790	15.186	6.959
N663	14.790	5.370	7.200
N664	14.790	8.520	10.133
N665	14.790	8.520	10.233
N666	14.790	11.670	10.133
N667	14.790	11.670	10.233
N668	14.790	14.820	7.200
N669	14.790	14.820	7.300
N670	15.660	5.370	7.300
N671	15.660	10.095	11.700
N672	15.660	15.186	6.959
N673	15.660	5.370	7.200
N674	15.660	8.520	10.133
N675	15.660	8.520	10.233
N676	15.660	11.670	10.133
N677	15.660	11.670	10.233
N678	15.660	14.820	7.200
N679	15.660	14.820	7.300
N680	16.530	5.370	7.300
N681	16.530	10.095	11.700
N682	16.530	15.186	6.959
N683	16.530	5.370	7.200
N684	16.530	8.520	10.133
N685	16.530	8.520	10.233
N686	16.530	11.670	10.133
N687	16.530	11.670	10.233
N688	16.530	14.820	7.200
N689	16.530	14.820	7.300
N690	18.270	5.370	7.300
N691	18.270	10.095	11.700
N692	18.270	15.186	6.959
N693	18.270	5.370	7.200
N694	18.270	8.520	10.133
N695	18.270	8.520	10.233
N696	18.270	11.670	10.133
N697	18.270	11.670	10.233
N698	18.270	14.820	7.200
N699	18.270	14.820	7.300
N700	19.140	5.370	7.300
N701	19.140	10.095	11.700
N702	19.140	15.186	6.959
N703	19.140	5.370	7.200
N704	19.140	8.520	10.133
N705	19.140	8.520	10.233
N706	19.140	11.670	10.133
N707	19.140	11.670	10.233
N708	19.140	14.820	7.200
N709	19.140	14.820	7.300
N710	20.010	5.370	7.300
N711	20.010	10.095	11.700
N712	20.010	15.186	6.959
N713	20.010	5.370	7.200
N714	20.010	8.520	10.133
N715	20.010	8.520	10.233
N716	20.010	11.670	10.133
N717	20.010	11.670	10.233
N718	20.010	14.820	7.200
N719	20.010	14.820	7.300
N720	20.880	5.370	7.300
N721	20.880	10.095	11.700
N722	20.880	15.186	6.959
N723	20.880	5.370	7.200
N724	20.880	8.520	10.133
N725	20.880	8.520	10.233
N726	20.880	11.670	10.133
N727	20.880	11.670	10.233
N728	20.880	14.820	7.200
N729	20.880	14.820	7.300
N730	20.880	5.004	6.959
N731	20.010	5.004	6.959
N732	19.140	5.004	6.959
N733	18.270	5.004	6.959
N734	16.530	5.004	6.959
N735	15.660	5.004	6.959
N736	14.790	5.004	6.959
N737	13.920	5.004	6.959
N738	12.180	5.004	6.959
N739	11.310	5.004	6.959
N740	10.440	5.004	6.959
N741	9.570	5.004	6.959
N742	4.350	8.520	8.667
N743	2.900	8.520	10.133
N744	5.800	8.520	10.133
N745	4.350	11.670	8.667
N746	2.900	11.670	10.133
N747	5.800	11.670	10.133
N748	8.700	8.520	8.667
N749	7.250	8.520	10.133
N750	10.150	8.520	10.133
N751	8.700	11.670	8.667
N752	7.250	11.670	10.133
N753	10.150	11.670	10.133
N754	13.050	8.520	8.667
N755	11.600	8.520	10.133
N756	14.500	8.520	10.133
N757	13.050	11.670	8.667
N758	11.600	11.670	10.133
N759	14.500	11.670	10.133
N760	17.400	8.520	8.667
N761	15.950	8.520	10.133
N762	18.850	8.520	10.133
N763	17.400	11.670	8.667
N764	15.950	11.670	10.133
N765	18.850	11.670	10.133
N766	0.870	0.000	4.800
N767	0.870	0.000	4.900
N768	0.870	-0.456	4.696
N769	0.000	0.000	4.900
N770	0.000	-0.456	4.696
N771	1.740	0.000	4.900
N772	1.740	0.000	4.800
N773	1.740	-0.456	4.696
N774	2.610	0.000	4.900
N775	2.610	0.000	4.800
N776	2.610	-0.456	4.696
N777	3.480	0.000	4.900

N778	3.480	0.000	4.800
N779	3.480	-0.456	4.696
N780	4.350	0.000	4.900
N781	4.350	0.000	4.800
N782	4.350	-0.456	4.696
N783	5.220	0.000	4.900
N784	5.220	0.000	4.800
N785	5.220	-0.456	4.696
N786	6.090	0.000	4.900
N787	6.090	0.000	4.800
N788	6.090	-0.456	4.696
N789	6.960	0.000	4.900
N790	6.960	0.000	4.800
N791	6.960	-0.456	4.696
N792	7.830	0.000	4.900
N793	7.830	0.000	4.800
N794	7.830	-0.456	4.696
N798	21.750	8.520	8.667
N799	20.300	8.520	10.133
N800	21.750	11.670	8.667
N801	20.300	11.670	10.133
N802	27.060	6.775	12.600
N803	27.060	10.275	12.600
N804	32.340	6.775	8.100
N812	27.060	6.775	8.100
N813	27.060	7.580	8.100
N814	27.060	2.230	8.100
N815	27.060	9.930	8.100
N816	27.060	9.930	12.600
N817	27.060	7.645	12.600
N818	32.340	7.645	8.100
N820	27.060	8.515	12.600
N821	32.340	8.515	8.100
N823	27.060	9.385	12.600
N824	32.340	9.385	8.100
N826	27.060	10.255	12.600
N827	32.340	10.255	8.100
N830	32.340	11.125	8.100
N833	32.340	11.995	8.100
N836	32.340	12.865	8.100
N839	32.340	13.735	8.100
N842	32.340	5.905	8.100
N845	32.340	5.035	8.100
N848	32.340	4.165	8.100
N851	32.340	3.295	8.100

N853	28.047	11.125	11.758
N854	29.058	11.995	10.897
N855	30.069	12.865	10.036
N856	31.080	13.735	9.174
N857	31.103	3.295	9.154
N858	30.092	4.165	10.016
N859	29.081	5.035	10.877
N860	28.071	5.905	11.739
N861	21.780	6.775	8.100
N862	21.780	7.645	8.100
N863	21.780	8.515	8.100
N864	21.780	9.385	8.100
N865	21.780	10.255	8.100
N866	21.780	11.125	8.100
N867	21.780	11.995	8.100
N868	21.780	12.865	8.100
N869	21.780	13.735	8.100
N870	21.780	5.905	8.100
N871	21.780	5.035	8.100
N872	21.780	4.165	8.100
N873	21.780	3.295	8.100
N874	26.073	11.125	11.758
N875	25.062	11.995	10.897
N876	24.051	12.865	10.036
N877	23.040	13.735	9.174
N878	23.017	3.295	9.154
N879	24.028	4.165	10.016
N880	25.039	5.035	10.877
N881	26.049	5.905	11.739
N882	27.930	6.026	11.859
N883	27.930	2.230	8.100
N884	28.800	5.277	11.117
N885	28.800	2.230	8.100
N886	29.670	4.528	10.376
N887	29.670	2.230	8.100
N888	30.540	3.779	9.634
N889	30.540	2.230	8.100
N890	31.410	3.031	8.893
N891	31.410	2.230	8.100
N892	26.190	6.026	11.859
N893	26.190	2.230	8.100
N894	25.320	5.277	11.117
N895	25.320	2.230	8.100
N896	24.450	4.528	10.376
N897	24.450	2.230	8.100

N898	23.580	3.779	9.634
N899	23.580	2.230	8.100
N900	22.710	3.031	8.893
N901	22.710	2.230	8.100
N902	27.930	11.024	11.859
N903	27.930	14.820	8.100
N904	28.800	11.773	11.117
N905	28.800	14.820	8.100
N906	29.670	12.522	10.376
N907	29.670	14.820	8.100
N908	30.540	13.271	9.634
N909	30.540	14.820	8.100
N910	26.190	11.024	11.859
N911	26.190	14.820	8.100
N912	25.320	11.773	11.117
N913	25.320	14.820	8.100
N914	24.450	12.522	10.376
N915	24.450	14.820	8.100
N916	23.580	13.271	9.634
N917	23.580	14.820	8.100
N918	22.710	14.019	8.893
N919	22.710	14.820	8.100
N920	27.060	14.820	8.100
N921	7.450	7.980	0.000
N922	8.700	-0.456	4.696
N923	8.700	0.000	4.800
N924	8.700	0.000	4.900
N925	34.440	7.580	0.000
N926	34.440	9.930	0.000
N927	5.550	14.820	7.000
N928	5.550	8.380	7.000
N929	7.450	8.380	7.000
N930	7.450	10.380	7.000
N931	5.550	10.380	7.000
N932	7.450	7.580	7.000
N933	0.000	8.380	7.000
N934	5.550	14.820	5.250
N935	5.550	14.820	6.600

12.Member 1D

Name	CrossSection	Length [m]	Shape	Beg. node	End node	Type	FEM type	Layer
B1	CS1 - Rectangle (200; 450)	2.600	Line	N48	N45	general (0)	standard	Layer1
B2	CS1 - Rectangle (200; 450)	1.900	Line	N45	N46	general (0)	standard	Layer1
B3	CS1 - Rectangle (200; 450)	2.600	Line	N46	N47	general (0)	standard	Layer1
B4	CS1 - Rectangle (200; 450)	2.600	Line	N52	N49	general (0)	standard	Layer1
B5	CS1 - Rectangle (200; 450)	2.000	Line	N49	N50	general (0)	standard	Layer1
B6	CS1 - Rectangle (200; 450)	2.600	Line	N50	N51	general (0)	standard	Layer1
B7	CS1 - Rectangle (200; 450)	2.600	Line	N56	N53	general (0)	standard	Layer1
B8	CS1 - Rectangle (200; 450)	2.000	Line	N53	N54	general (0)	standard	Layer1
B9	CS1 - Rectangle (200; 450)	2.600	Line	N54	N55	general (0)	standard	Layer1
B10	CS1 - Rectangle (200; 450)	2.600	Line	N60	N57	general (0)	standard	Layer1
B11	CS1 - Rectangle (200; 450)	2.000	Line	N57	N58	general (0)	standard	Layer1
B12	CS1 - Rectangle (200; 450)	2.600	Line	N58	N59	general (0)	standard	Layer1
B13	CS1 - Rectangle (200; 450)	2.600	Line	N64	N61	general (0)	standard	Layer1
B14	CS1 - Rectangle (200; 450)	1.900	Line	N61	N62	general (0)	standard	Layer1
B15	CS1 - Rectangle (200; 450)	2.600	Line	N62	N63	general (0)	standard	Layer1
B16	CS2 - Rectangle (300; 1000)	4.100	Line	N21	N24	column (100)	standard	Layer1
B17	CS2 - Rectangle (300; 1000)	4.100	Line	N68	N69	column (100)	standard	Layer1

B18	CS1 - Rectangle (200; 450)	3.100	Line	N72	N70	beam (80)	standard	Layer1
B19	CS1 - Rectangle (200; 450)	2.210	Line	N70	N71	beam (80)	standard	Layer1
B20	CS1 - Rectangle (200; 450)	3.100	Line	N73	N71	beam (80)	standard	Layer1
B21	CS1 - Rectangle (200; 450)	2.200	Line	N67	N65	beam (80)	standard	Layer1
B22	CS1 - Rectangle (200; 450)	1.000	Line	N65	N66	beam (80)	standard	Layer1
B23	CS3 - Rectangle (400; 400)	2.900	Line	N76	N88	column (100)	standard	Layer1
B24	CS3 - Rectangle (400; 400)	2.900	Line	N78	N79	column (100)	standard	Layer1
B25	CS3 - Rectangle (400; 400)	2.900	Line	N80	N81	column (100)	standard	Layer1
B26	CS3 - Rectangle (400; 400)	2.900	Line	N82	N83	column (100)	standard	Layer1
B27	CS3 - Rectangle (400; 400)	2.900	Line	N84	N85	column (100)	standard	Layer1
B28	CS3 - Rectangle (400; 400)	2.900	Line	N86	N87	column (100)	standard	Layer1
B29	CS4 - Rectangle (400; 400)	12.930	Line	N88	N87	beam (80)	standard	Layer1
B31	CS5 - Rectangle (500; 800)	32.340	Line	N9	N95	beam (80)	standard	Layer1
B32	CS5 - Rectangle (500; 800)	12.590	Line	N95	N93	beam (80)	standard	Layer1
B33	CS5 - Rectangle (500; 800)	10.560	Line	N93	N91	beam (80)	standard	Layer1
B34	CS5 - Rectangle (500; 800)	12.590	Line	N91	N30	beam (80)	standard	Layer1
B35	CS5 - Rectangle (500; 800)	10.560	Line	N98	N73	beam (80)	standard	Layer1
B36	CS5 - Rectangle (500; 800)	10.560	Line	N102	N123	beam (80)	standard	Layer1
B37	CS5 - Rectangle (500; 800)	21.780	Line	N7	N19	beam (80)	standard	Layer1
B38	CS11 - Rectangle (500; 600)	12.930	Line	N76	N86	beam (80)	standard	Layer1
B39	CS5 - Rectangle (500; 800)	9.450	Line	N124	N22	beam (80)	standard	Layer1
B40	CS5 - Rectangle (500; 800)	5.150	Line	N13	N283	beam (80)	standard	Layer1
B43	CS5 - Rectangle (500; 800)	4.040	Line	N284	N17	beam (80)	standard	Layer1
B44	CS5 - Rectangle (500; 800)	9.450	Line	N125	N126	beam (80)	standard	Layer1
B45	CS11 - Rectangle (500; 600)	8.850	Line	N1	N5	beam (80)	standard	Layer1
B46	CS11 - Rectangle (500; 600)	5.370	Line	N5	N11	beam (80)	standard	Layer1
B47	CS5 - Rectangle (500; 800)	5.350	Line	N105	N106	beam (80)	standard	Layer1
B48	CS5 - Rectangle (500; 800)	4.890	Line	N109	N110	beam (80)	standard	Layer1
B49	CS4 - Rectangle (400; 400)	2.350	Line	N179	N180	beam (80)	standard	Layer1
B50	CS2 - Rectangle (300; 1000)	2.900	Line	N24	N198	column (100)	standard	Layer1
B51	CS2 - Rectangle (300; 1000)	2.900	Line	N69	N199	column (100)	standard	Layer1
B53	CS6 - RECT (120; 160)	6.456	Line	N508	N509	beam (80)	standard	Layer1
B54	CS6 - RECT (120; 160)	6.956	Line	N509	N410	beam (80)	standard	Layer1
B55	CS7 - RECT (200; 280)	0.200	Line	N186	N373	beam (80)	standard	Layer1
B56	CS7 - RECT (200; 280)	0.200	Line	N189	N374	beam (80)	standard	Layer1
B57	CS7 - RECT (200; 280)	9.450	Line	N373	N374	beam (80)	standard	Layer1
B68	CS6 - RECT (120; 160)	6.456	Line	N510	N391	beam (80)	standard	Layer1
B69	CS6 - RECT (120; 160)	6.956	Line	N391	N409	beam (80)	standard	Layer1
B70	CS7 - RECT (200; 280)	0.200	Line	N389	N392	beam (80)	standard	Layer1
B71	CS7 - RECT (200; 280)	0.200	Line	N390	N393	beam (80)	standard	Layer1
B72	CS7 - RECT (200; 280)	9.450	Line	N392	N393	beam (80)	standard	Layer1
B73	CS8 - RECT (200; 200)	2.933	Line	N394	N395	beam (80)	standard	Layer1
B74	CS8 - RECT (200; 200)	2.933	Line	N396	N397	beam (80)	standard	Layer1
B75	CS6 - RECT (120; 160)	3.150	Line	N395	N397	beam (80)	standard	Layer1
B76	CS9 - RECT (200; 240)	3.150	Line	N398	N399	beam (80)	standard	Layer1
B77	CS9 - RECT (200; 240)	3.456	Line	N400	N398	beam (80)	standard	Layer1
B78	CS9 - RECT (200; 240)	3.456	Line	N399	N401	beam (80)	standard	Layer1
B79	CS10 - 2 Rect (50; 160; 200)	1.425	Line	N402	N404	beam (80)	standard	Layer1
B80	CS10 - 2 Rect (50; 160; 200)	0.782	Line	N404	N403	beam (80)	standard	Layer1
B81	CS10 - 2 Rect (50; 160; 200)	1.425	Line	N405	N407	beam (80)	standard	Layer1
B82	CS10 - 2 Rect (50; 160; 200)	0.782	Line	N407	N406	beam (80)	standard	Layer1
B83	CS9 - RECT (200; 240)	4.350	Line	N376	N395	beam (80)	standard	Layer1
B84	CS9 - RECT (200; 240)	4.350	Line	N378	N397	beam (80)	standard	Layer1
B85	CS9 - RECT (200; 240)	4.350	Line	N375	N394	beam (80)	standard	Layer1
B86	CS9 - RECT (200; 240)	4.350	Line	N377	N396	beam (80)	standard	Layer1
B87	CS9 - RECT (200; 240)	4.350	Line	N373	N392	beam (80)	standard	Layer1
B88	CS9 - RECT (200; 240)	4.350	Line	N374	N393	beam (80)	standard	Layer1
B89	CS6 - RECT (120; 160)	6.456	Line	N511	N414	beam (80)	standard	Layer1
B90	CS6 - RECT (120; 160)	6.956	Line	N414	N432	beam (80)	standard	Layer1
B91	CS7 - RECT (200; 280)	0.200	Line	N412	N415	beam (80)	standard	Layer1
B92	CS7 - RECT (200; 280)	0.200	Line	N413	N416	beam (80)	standard	Layer1
B93	CS7 - RECT (200; 280)	9.450	Line	N415	N416	beam (80)	standard	Layer1
B94	CS8 - RECT (200; 200)	2.933	Line	N417	N418	beam (80)	standard	Layer1
B95	CS8 - RECT (200; 200)	2.933	Line	N419	N420	beam (80)	standard	Layer1
B96	CS6 - RECT (120; 160)	3.150	Line	N418	N420	beam (80)	standard	Layer1

B97	CS9 - RECT (200; 240)	3.150	Line	N421	N422	beam (80)	standard	Layer1
B98	CS9 - RECT (200; 240)	3.456	Line	N423	N421	beam (80)	standard	Layer1
B99	CS9 - RECT (200; 240)	3.456	Line	N422	N424	beam (80)	standard	Layer1
B100	CS10 - 2 Rect (50; 160; 200)	1.425	Line	N425	N427	beam (80)	standard	Layer1
B101	CS10 - 2 Rect (50; 160; 200)	0.782	Line	N427	N426	beam (80)	standard	Layer1
B102	CS10 - 2 Rect (50; 160; 200)	1.425	Line	N428	N430	beam (80)	standard	Layer1
B103	CS10 - 2 Rect (50; 160; 200)	0.782	Line	N430	N429	beam (80)	standard	Layer1
B104	CS9 - RECT (200; 240)	4.350	Line	N395	N418	beam (80)	standard	Layer1
B105	CS9 - RECT (200; 240)	4.350	Line	N397	N420	beam (80)	standard	Layer1
B106	CS9 - RECT (200; 240)	4.350	Line	N394	N417	beam (80)	standard	Layer1
B107	CS9 - RECT (200; 240)	4.350	Line	N396	N419	beam (80)	standard	Layer1
B108	CS9 - RECT (200; 240)	4.350	Line	N392	N415	beam (80)	standard	Layer1
B109	CS9 - RECT (200; 240)	4.350	Line	N393	N416	beam (80)	standard	Layer1
B110	CS6 - RECT (120; 160)	6.956	Line	N452	N435	beam (80)	standard	Layer1
B111	CS6 - RECT (120; 160)	6.956	Line	N435	N453	beam (80)	standard	Layer1
B112	CS7 - RECT (200; 280)	0.200	Line	N433	N436	beam (80)	standard	Layer1
B113	CS7 - RECT (200; 280)	0.200	Line	N434	N437	beam (80)	standard	Layer1
B114	CS7 - RECT (200; 280)	9.450	Line	N436	N437	beam (80)	standard	Layer1
B115	CS8 - RECT (200; 200)	2.933	Line	N438	N439	beam (80)	standard	Layer1
B116	CS8 - RECT (200; 200)	2.933	Line	N440	N441	beam (80)	standard	Layer1
B117	CS6 - RECT (120; 160)	3.150	Line	N439	N441	beam (80)	standard	Layer1
B118	CS9 - RECT (200; 240)	3.150	Line	N442	N443	beam (80)	standard	Layer1
B119	CS9 - RECT (200; 240)	3.456	Line	N444	N442	beam (80)	standard	Layer1
B120	CS9 - RECT (200; 240)	3.456	Line	N443	N445	beam (80)	standard	Layer1
B121	CS10 - 2 Rect (50; 160; 200)	1.425	Line	N446	N448	beam (80)	standard	Layer1
B122	CS10 - 2 Rect (50; 160; 200)	0.782	Line	N448	N447	beam (80)	standard	Layer1
B123	CS10 - 2 Rect (50; 160; 200)	1.425	Line	N449	N451	beam (80)	standard	Layer1
B124	CS10 - 2 Rect (50; 160; 200)	0.782	Line	N451	N450	beam (80)	standard	Layer1
B125	CS9 - RECT (200; 240)	4.350	Line	N418	N439	beam (80)	standard	Layer1
B126	CS9 - RECT (200; 240)	4.350	Line	N420	N441	beam (80)	standard	Layer1
B127	CS9 - RECT (200; 240)	4.350	Line	N417	N438	beam (80)	standard	Layer1
B128	CS9 - RECT (200; 240)	4.350	Line	N419	N440	beam (80)	standard	Layer1
B129	CS9 - RECT (200; 240)	4.350	Line	N415	N436	beam (80)	standard	Layer1
B130	CS9 - RECT (200; 240)	4.350	Line	N416	N437	beam (80)	standard	Layer1
B131	CS6 - RECT (120; 160)	6.956	Line	N473	N456	beam (80)	standard	Layer1
B132	CS6 - RECT (120; 160)	6.956	Line	N456	N474	beam (80)	standard	Layer1
B133	CS7 - RECT (200; 280)	0.200	Line	N454	N457	beam (80)	standard	Layer1
B134	CS7 - RECT (200; 280)	0.200	Line	N455	N458	beam (80)	standard	Layer1
B135	CS7 - RECT (200; 280)	9.450	Line	N457	N458	beam (80)	standard	Layer1
B136	CS8 - RECT (200; 200)	2.933	Line	N459	N460	beam (80)	standard	Layer1
B137	CS8 - RECT (200; 200)	2.933	Line	N461	N462	beam (80)	standard	Layer1
B138	CS6 - RECT (120; 160)	3.150	Line	N460	N462	beam (80)	standard	Layer1
B139	CS9 - RECT (200; 240)	3.150	Line	N463	N464	beam (80)	standard	Layer1
B140	CS9 - RECT (200; 240)	3.456	Line	N465	N463	beam (80)	standard	Layer1
B141	CS9 - RECT (200; 240)	3.456	Line	N464	N466	beam (80)	standard	Layer1
B142	CS10 - 2 Rect (50; 160; 200)	1.425	Line	N467	N469	beam (80)	standard	Layer1
B143	CS10 - 2 Rect (50; 160; 200)	0.782	Line	N469	N468	beam (80)	standard	Layer1
B144	CS10 - 2 Rect (50; 160; 200)	1.425	Line	N470	N472	beam (80)	standard	Layer1
B145	CS10 - 2 Rect (50; 160; 200)	0.782	Line	N472	N471	beam (80)	standard	Layer1
B146	CS9 - RECT (200; 240)	4.350	Line	N439	N460	beam (80)	standard	Layer1
B147	CS9 - RECT (200; 240)	4.350	Line	N441	N462	beam (80)	standard	Layer1
B148	CS9 - RECT (200; 240)	4.350	Line	N438	N459	beam (80)	standard	Layer1
B149	CS9 - RECT (200; 240)	4.350	Line	N440	N461	beam (80)	standard	Layer1
B150	CS9 - RECT (200; 240)	4.350	Line	N436	N457	beam (80)	standard	Layer1
B151	CS9 - RECT (200; 240)	4.350	Line	N437	N458	beam (80)	standard	Layer1
B152	CS6 - RECT (120; 160)	6.956	Line	N494	N477	beam (80)	standard	Layer1
B153	CS6 - RECT (120; 160)	6.956	Line	N477	N495	beam (80)	standard	Layer1
B154	CS7 - RECT (200; 280)	0.200	Line	N475	N478	beam (80)	standard	Layer1
B155	CS7 - RECT (200; 280)	0.200	Line	N476	N479	beam (80)	standard	Layer1
B156	CS7 - RECT (200; 280)	9.450	Line	N478	N479	beam (80)	standard	Layer1
B157	CS8 - RECT (200; 200)	2.933	Line	N480	N481	beam (80)	standard	Layer1
B158	CS8 - RECT (200; 200)	2.933	Line	N482	N483	beam (80)	standard	Layer1
B159	CS6 - RECT (120; 160)	3.150	Line	N481	N483	beam (80)	standard	Layer1
B160	CS9 - RECT (200; 240)	3.150	Line	N484	N485	beam (80)	standard	Layer1
B161	CS9 - RECT (200; 240)	3.456	Line	N486	N484	beam (80)	standard	Layer1

B162	CS9 - RECT (200; 240)	3.456	Line	N485	N487	beam (80)	standard	Layer1
B163	CS10 - 2 Rect (50; 160; 200)	1.425	Line	N488	N490	beam (80)	standard	Layer1
B164	CS10 - 2 Rect (50; 160; 200)	0.782	Line	N490	N489	beam (80)	standard	Layer1
B165	CS10 - 2 Rect (50; 160; 200)	1.425	Line	N491	N493	beam (80)	standard	Layer1
B166	CS10 - 2 Rect (50; 160; 200)	0.782	Line	N493	N492	beam (80)	standard	Layer1
B167	CS9 - RECT (200; 240)	4.350	Line	N460	N481	beam (80)	standard	Layer1
B168	CS9 - RECT (200; 240)	4.350	Line	N462	N483	beam (80)	standard	Layer1
B169	CS9 - RECT (200; 240)	4.350	Line	N459	N480	beam (80)	standard	Layer1
B170	CS9 - RECT (200; 240)	4.350	Line	N461	N482	beam (80)	standard	Layer1
B171	CS9 - RECT (200; 240)	4.350	Line	N457	N478	beam (80)	standard	Layer1
B172	CS9 - RECT (200; 240)	4.350	Line	N458	N479	beam (80)	standard	Layer1
B173	CS6 - RECT (120; 160)	6.456	Line	N496	N497	beam (80)	standard	Layer1
B174	CS6 - RECT (120; 160)	6.956	Line	N497	N498	beam (80)	standard	Layer1
B175	CS6 - RECT (120; 160)	6.456	Line	N499	N500	beam (80)	standard	Layer1
B176	CS6 - RECT (120; 160)	6.956	Line	N500	N501	beam (80)	standard	Layer1
B177	CS6 - RECT (120; 160)	6.456	Line	N502	N503	beam (80)	standard	Layer1
B178	CS6 - RECT (120; 160)	6.956	Line	N503	N504	beam (80)	standard	Layer1
B179	CS6 - RECT (120; 160)	6.456	Line	N505	N506	beam (80)	standard	Layer1
B180	CS6 - RECT (120; 160)	6.956	Line	N506	N507	beam (80)	standard	Layer1
B181	CS8 - RECT (200; 200)	0.100	Line	N373	N508	beam (80)	standard	Layer1
B182	CS8 - RECT (200; 200)	0.100	Line	N372	N509	beam (80)	standard	Layer1
B183	CS8 - RECT (200; 200)	0.100	Line	N374	N512	beam (80)	standard	Layer1
B184	CS8 - RECT (200; 200)	0.100	Line	N376	N513	beam (80)	standard	Layer1
B185	CS8 - RECT (200; 200)	0.100	Line	N378	N514	beam (80)	standard	Layer1
B186	CS8 - RECT (200; 200)	0.100	Line	N392	N510	beam (80)	standard	Layer1
B187	CS8 - RECT (200; 200)	0.100	Line	N395	N515	beam (80)	standard	Layer1
B189	CS8 - RECT (200; 200)	0.100	Line	N397	N517	beam (80)	standard	Layer1
B190	CS8 - RECT (200; 200)	0.100	Line	N393	N518	beam (80)	standard	Layer1
B191	CS8 - RECT (200; 200)	0.100	Line	N415	N511	beam (80)	standard	Layer1
B192	CS8 - RECT (200; 200)	0.100	Line	N418	N519	beam (80)	standard	Layer1
B194	CS8 - RECT (200; 200)	0.100	Line	N420	N521	beam (80)	standard	Layer1
B195	CS8 - RECT (200; 200)	0.100	Line	N416	N522	beam (80)	standard	Layer1
B196	CS8 - RECT (200; 200)	0.100	Line	N436	N523	beam (80)	standard	Layer1
B197	CS8 - RECT (200; 200)	0.100	Line	N439	N524	beam (80)	standard	Layer1
B199	CS8 - RECT (200; 200)	0.100	Line	N441	N526	beam (80)	standard	Layer1
B200	CS8 - RECT (200; 200)	0.100	Line	N437	N527	beam (80)	standard	Layer1
B201	CS8 - RECT (200; 200)	0.100	Line	N457	N528	beam (80)	standard	Layer1
B202	CS8 - RECT (200; 200)	0.100	Line	N460	N529	beam (80)	standard	Layer1
B204	CS8 - RECT (200; 200)	0.100	Line	N462	N531	beam (80)	standard	Layer1
B205	CS8 - RECT (200; 200)	0.100	Line	N458	N532	beam (80)	standard	Layer1
B206	CS8 - RECT (200; 200)	0.100	Line	N478	N533	beam (80)	standard	Layer1
B207	CS8 - RECT (200; 200)	0.100	Line	N481	N534	beam (80)	standard	Layer1
B209	CS8 - RECT (200; 200)	0.100	Line	N483	N536	beam (80)	standard	Layer1
B210	CS8 - RECT (200; 200)	0.100	Line	N479	N537	beam (80)	standard	Layer1
B211	CS8 - RECT (200; 200)	0.100	Line	N538	N496	beam (80)	standard	Layer1
B212	CS8 - RECT (200; 200)	0.100	Line	N539	N540	beam (80)	standard	Layer1
B214	CS8 - RECT (200; 200)	0.100	Line	N542	N543	beam (80)	standard	Layer1
B215	CS8 - RECT (200; 200)	0.100	Line	N544	N545	beam (80)	standard	Layer1
B216	CS8 - RECT (200; 200)	0.100	Line	N546	N499	beam (80)	standard	Layer1
B217	CS8 - RECT (200; 200)	0.100	Line	N547	N548	beam (80)	standard	Layer1
B219	CS8 - RECT (200; 200)	0.100	Line	N550	N551	beam (80)	standard	Layer1
B220	CS8 - RECT (200; 200)	0.100	Line	N552	N553	beam (80)	standard	Layer1
B221	CS8 - RECT (200; 200)	0.100	Line	N554	N502	beam (80)	standard	Layer1
B222	CS8 - RECT (200; 200)	0.100	Line	N555	N556	beam (80)	standard	Layer1
B224	CS8 - RECT (200; 200)	0.100	Line	N558	N559	beam (80)	standard	Layer1
B225	CS8 - RECT (200; 200)	0.100	Line	N560	N561	beam (80)	standard	Layer1
B226	CS8 - RECT (200; 200)	0.100	Line	N562	N505	beam (80)	standard	Layer1
B227	CS8 - RECT (200; 200)	0.100	Line	N563	N564	beam (80)	standard	Layer1
B229	CS8 - RECT (200; 200)	0.100	Line	N566	N567	beam (80)	standard	Layer1
B230	CS8 - RECT (200; 200)	0.100	Line	N568	N569	beam (80)	standard	Layer1
B231	CS6 - RECT (120; 160)	6.456	Line	N570	N571	beam (80)	standard	Layer1
B232	CS6 - RECT (120; 160)	6.956	Line	N571	N572	beam (80)	standard	Layer1
B233	CS8 - RECT (200; 200)	0.100	Line	N573	N570	beam (80)	standard	Layer1
B234	CS8 - RECT (200; 200)	0.100	Line	N574	N575	beam (80)	standard	Layer1
B235	CS8 - RECT (200; 200)	0.100	Line	N576	N577	beam (80)	standard	Layer1

B236	CS8 - RECT (200; 200)	0.100	Line	N578	N579	beam (80)	standard	Layer1
B237	CS6 - RECT (120; 160)	6.456	Line	N580	N581	beam (80)	standard	Layer1
B238	CS6 - RECT (120; 160)	6.956	Line	N581	N582	beam (80)	standard	Layer1
B239	CS8 - RECT (200; 200)	0.100	Line	N583	N580	beam (80)	standard	Layer1
B240	CS8 - RECT (200; 200)	0.100	Line	N584	N585	beam (80)	standard	Layer1
B241	CS8 - RECT (200; 200)	0.100	Line	N586	N587	beam (80)	standard	Layer1
B242	CS8 - RECT (200; 200)	0.100	Line	N588	N589	beam (80)	standard	Layer1
B243	CS6 - RECT (120; 160)	6.456	Line	N590	N591	beam (80)	standard	Layer1
B244	CS6 - RECT (120; 160)	6.956	Line	N591	N592	beam (80)	standard	Layer1
B245	CS8 - RECT (200; 200)	0.100	Line	N593	N590	beam (80)	standard	Layer1
B246	CS8 - RECT (200; 200)	0.100	Line	N594	N595	beam (80)	standard	Layer1
B247	CS8 - RECT (200; 200)	0.100	Line	N596	N597	beam (80)	standard	Layer1
B248	CS8 - RECT (200; 200)	0.100	Line	N598	N599	beam (80)	standard	Layer1
B249	CS6 - RECT (120; 160)	6.456	Line	N600	N601	beam (80)	standard	Layer1
B250	CS6 - RECT (120; 160)	6.956	Line	N601	N602	beam (80)	standard	Layer1
B251	CS8 - RECT (200; 200)	0.100	Line	N603	N600	beam (80)	standard	Layer1
B252	CS8 - RECT (200; 200)	0.100	Line	N604	N605	beam (80)	standard	Layer1
B253	CS8 - RECT (200; 200)	0.100	Line	N606	N607	beam (80)	standard	Layer1
B254	CS8 - RECT (200; 200)	0.100	Line	N608	N609	beam (80)	standard	Layer1
B255	CS6 - RECT (120; 160)	6.956	Line	N741	N611	beam (80)	standard	Layer1
B256	CS6 - RECT (120; 160)	6.956	Line	N611	N612	beam (80)	standard	Layer1
B257	CS8 - RECT (200; 200)	0.100	Line	N613	N610	beam (80)	standard	Layer1
B258	CS8 - RECT (200; 200)	0.100	Line	N614	N615	beam (80)	standard	Layer1
B259	CS8 - RECT (200; 200)	0.100	Line	N616	N617	beam (80)	standard	Layer1
B260	CS8 - RECT (200; 200)	0.100	Line	N618	N619	beam (80)	standard	Layer1
B261	CS6 - RECT (120; 160)	6.956	Line	N740	N621	beam (80)	standard	Layer1
B262	CS6 - RECT (120; 160)	6.956	Line	N621	N622	beam (80)	standard	Layer1
B263	CS8 - RECT (200; 200)	0.100	Line	N623	N620	beam (80)	standard	Layer1
B264	CS8 - RECT (200; 200)	0.100	Line	N624	N625	beam (80)	standard	Layer1
B265	CS8 - RECT (200; 200)	0.100	Line	N626	N627	beam (80)	standard	Layer1
B266	CS8 - RECT (200; 200)	0.100	Line	N628	N629	beam (80)	standard	Layer1
B267	CS6 - RECT (120; 160)	6.956	Line	N739	N631	beam (80)	standard	Layer1
B268	CS6 - RECT (120; 160)	6.956	Line	N631	N632	beam (80)	standard	Layer1
B269	CS8 - RECT (200; 200)	0.100	Line	N633	N630	beam (80)	standard	Layer1
B270	CS8 - RECT (200; 200)	0.100	Line	N634	N635	beam (80)	standard	Layer1
B271	CS8 - RECT (200; 200)	0.100	Line	N636	N637	beam (80)	standard	Layer1
B272	CS8 - RECT (200; 200)	0.100	Line	N638	N639	beam (80)	standard	Layer1
B273	CS6 - RECT (120; 160)	6.956	Line	N738	N641	beam (80)	standard	Layer1
B274	CS6 - RECT (120; 160)	6.956	Line	N641	N642	beam (80)	standard	Layer1
B275	CS8 - RECT (200; 200)	0.100	Line	N643	N640	beam (80)	standard	Layer1
B276	CS8 - RECT (200; 200)	0.100	Line	N644	N645	beam (80)	standard	Layer1
B277	CS8 - RECT (200; 200)	0.100	Line	N646	N647	beam (80)	standard	Layer1
B278	CS8 - RECT (200; 200)	0.100	Line	N648	N649	beam (80)	standard	Layer1
B279	CS6 - RECT (120; 160)	6.956	Line	N737	N651	beam (80)	standard	Layer1
B280	CS6 - RECT (120; 160)	6.956	Line	N651	N652	beam (80)	standard	Layer1
B281	CS8 - RECT (200; 200)	0.100	Line	N653	N650	beam (80)	standard	Layer1
B282	CS8 - RECT (200; 200)	0.100	Line	N654	N655	beam (80)	standard	Layer1
B283	CS8 - RECT (200; 200)	0.100	Line	N656	N657	beam (80)	standard	Layer1
B284	CS8 - RECT (200; 200)	0.100	Line	N658	N659	beam (80)	standard	Layer1
B285	CS6 - RECT (120; 160)	6.956	Line	N736	N661	beam (80)	standard	Layer1
B286	CS6 - RECT (120; 160)	6.956	Line	N661	N662	beam (80)	standard	Layer1
B287	CS8 - RECT (200; 200)	0.100	Line	N663	N660	beam (80)	standard	Layer1
B288	CS8 - RECT (200; 200)	0.100	Line	N664	N665	beam (80)	standard	Layer1
B289	CS8 - RECT (200; 200)	0.100	Line	N666	N667	beam (80)	standard	Layer1
B290	CS8 - RECT (200; 200)	0.100	Line	N668	N669	beam (80)	standard	Layer1
B291	CS6 - RECT (120; 160)	6.956	Line	N735	N671	beam (80)	standard	Layer1
B292	CS6 - RECT (120; 160)	6.956	Line	N671	N672	beam (80)	standard	Layer1
B293	CS8 - RECT (200; 200)	0.100	Line	N673	N670	beam (80)	standard	Layer1
B294	CS8 - RECT (200; 200)	0.100	Line	N674	N675	beam (80)	standard	Layer1
B295	CS8 - RECT (200; 200)	0.100	Line	N676	N677	beam (80)	standard	Layer1
B296	CS8 - RECT (200; 200)	0.100	Line	N678	N679	beam (80)	standard	Layer1
B297	CS6 - RECT (120; 160)	6.956	Line	N734	N681	beam (80)	standard	Layer1
B298	CS6 - RECT (120; 160)	6.956	Line	N681	N682	beam (80)	standard	Layer1
B299	CS8 - RECT (200; 200)	0.100	Line	N683	N680	beam (80)	standard	Layer1
B300	CS8 - RECT (200; 200)	0.100	Line	N684	N685	beam (80)	standard	Layer1

B301	CS8 - RECT (200; 200)	0.100	Line	N686	N687	beam (80)	standard	Layer1
B302	CS8 - RECT (200; 200)	0.100	Line	N688	N689	beam (80)	standard	Layer1
B303	CS6 - RECT (120; 160)	6.956	Line	N733	N691	beam (80)	standard	Layer1
B304	CS6 - RECT (120; 160)	6.956	Line	N691	N692	beam (80)	standard	Layer1
B305	CS8 - RECT (200; 200)	0.100	Line	N693	N690	beam (80)	standard	Layer1
B306	CS8 - RECT (200; 200)	0.100	Line	N694	N695	beam (80)	standard	Layer1
B307	CS8 - RECT (200; 200)	0.100	Line	N696	N697	beam (80)	standard	Layer1
B308	CS8 - RECT (200; 200)	0.100	Line	N698	N699	beam (80)	standard	Layer1
B309	CS6 - RECT (120; 160)	6.956	Line	N732	N701	beam (80)	standard	Layer1
B310	CS6 - RECT (120; 160)	6.956	Line	N701	N702	beam (80)	standard	Layer1
B311	CS8 - RECT (200; 200)	0.100	Line	N703	N700	beam (80)	standard	Layer1
B312	CS8 - RECT (200; 200)	0.100	Line	N704	N705	beam (80)	standard	Layer1
B313	CS8 - RECT (200; 200)	0.100	Line	N706	N707	beam (80)	standard	Layer1
B314	CS8 - RECT (200; 200)	0.100	Line	N708	N709	beam (80)	standard	Layer1
B315	CS6 - RECT (120; 160)	6.956	Line	N731	N711	beam (80)	standard	Layer1
B316	CS6 - RECT (120; 160)	6.956	Line	N711	N712	beam (80)	standard	Layer1
B317	CS8 - RECT (200; 200)	0.100	Line	N713	N710	beam (80)	standard	Layer1
B318	CS8 - RECT (200; 200)	0.100	Line	N714	N715	beam (80)	standard	Layer1
B319	CS8 - RECT (200; 200)	0.100	Line	N716	N717	beam (80)	standard	Layer1
B320	CS8 - RECT (200; 200)	0.100	Line	N718	N719	beam (80)	standard	Layer1
B321	CS6 - RECT (120; 160)	6.956	Line	N730	N721	beam (80)	standard	Layer1
B322	CS6 - RECT (120; 160)	6.956	Line	N721	N722	beam (80)	standard	Layer1
B323	CS8 - RECT (200; 200)	0.100	Line	N723	N720	beam (80)	standard	Layer1
B324	CS8 - RECT (200; 200)	0.100	Line	N724	N725	beam (80)	standard	Layer1
B325	CS8 - RECT (200; 200)	0.100	Line	N726	N727	beam (80)	standard	Layer1
B326	CS8 - RECT (200; 200)	0.100	Line	N728	N729	beam (80)	standard	Layer1
B327	CS6 - RECT (120; 160)	2.062	Line	N742	N743	beam (80)	standard	Layer1
B328	CS6 - RECT (120; 160)	2.062	Line	N742	N744	beam (80)	standard	Layer1
B329	CS6 - RECT (120; 160)	2.062	Line	N745	N746	beam (80)	standard	Layer1
B330	CS6 - RECT (120; 160)	2.062	Line	N745	N747	beam (80)	standard	Layer1
B331	CS6 - RECT (120; 160)	2.062	Line	N748	N749	beam (80)	standard	Layer1
B332	CS6 - RECT (120; 160)	2.062	Line	N748	N750	beam (80)	standard	Layer1
B333	CS6 - RECT (120; 160)	2.062	Line	N751	N752	beam (80)	standard	Layer1
B334	CS6 - RECT (120; 160)	2.062	Line	N751	N753	beam (80)	standard	Layer1
B335	CS6 - RECT (120; 160)	2.062	Line	N754	N755	beam (80)	standard	Layer1
B336	CS6 - RECT (120; 160)	2.062	Line	N754	N756	beam (80)	standard	Layer1
B337	CS6 - RECT (120; 160)	2.062	Line	N757	N758	beam (80)	standard	Layer1
B338	CS6 - RECT (120; 160)	2.062	Line	N757	N759	beam (80)	standard	Layer1
B339	CS6 - RECT (120; 160)	2.062	Line	N760	N761	beam (80)	standard	Layer1
B340	CS6 - RECT (120; 160)	2.062	Line	N760	N762	beam (80)	standard	Layer1
B341	CS6 - RECT (120; 160)	2.062	Line	N763	N764	beam (80)	standard	Layer1
B342	CS6 - RECT (120; 160)	2.062	Line	N763	N765	beam (80)	standard	Layer1
B343	CS8 - RECT (200; 200)	0.100	Line	N766	N767	beam (80)	standard	Layer1
B344	CS6 - RECT (120; 160)	6.382	Line	N505	N768	beam (80)	standard	Layer1
B345	CS8 - RECT (200; 200)	0.100	Line	N187	N769	beam (80)	standard	Layer1
B346	CS6 - RECT (120; 160)	6.382	Line	N508	N770	beam (80)	standard	Layer1
B347	CS8 - RECT (200; 200)	0.100	Line	N772	N771	beam (80)	standard	Layer1
B348	CS6 - RECT (120; 160)	6.382	Line	N502	N773	beam (80)	standard	Layer1
B349	CS8 - RECT (200; 200)	0.100	Line	N775	N774	beam (80)	standard	Layer1
B350	CS6 - RECT (120; 160)	6.382	Line	N499	N776	beam (80)	standard	Layer1
B351	CS8 - RECT (200; 200)	0.100	Line	N778	N777	beam (80)	standard	Layer1
B352	CS6 - RECT (120; 160)	6.382	Line	N496	N779	beam (80)	standard	Layer1
B353	CS8 - RECT (200; 200)	0.100	Line	N781	N780	beam (80)	standard	Layer1
B354	CS6 - RECT (120; 160)	6.382	Line	N510	N782	beam (80)	standard	Layer1
B355	CS8 - RECT (200; 200)	0.100	Line	N784	N783	beam (80)	standard	Layer1
B356	CS6 - RECT (120; 160)	6.382	Line	N570	N785	beam (80)	standard	Layer1
B357	CS8 - RECT (200; 200)	0.100	Line	N787	N786	beam (80)	standard	Layer1
B358	CS6 - RECT (120; 160)	6.382	Line	N580	N788	beam (80)	standard	Layer1
B359	CS8 - RECT (200; 200)	0.100	Line	N790	N789	beam (80)	standard	Layer1
B360	CS6 - RECT (120; 160)	6.382	Line	N590	N791	beam (80)	standard	Layer1
B361	CS8 - RECT (200; 200)	0.100	Line	N793	N792	beam (80)	standard	Layer1
B362	CS6 - RECT (120; 160)	6.382	Line	N600	N794	beam (80)	standard	Layer1
B365	CS6 - RECT (120; 160)	2.062	Line	N798	N799	beam (80)	standard	Layer1
B366	CS6 - RECT (120; 160)	2.062	Line	N800	N801	beam (80)	standard	Layer1
B367	CS5 - Rectangle (500; 800)	9.450	Line	N7	N9	beam (80)	standard	Layer1

B368	CS11 - Rectangle (500; 600)	5.370	Line	N1	N7	beam (80)	standard	Layer1
B369	CS9 - RECT (200; 240)	3.500	Line	N802	N803	beam (80)	standard	Layer1
B370	CS9 - RECT (200; 240)	8.294	Line	N316	N802	beam (80)	standard	Layer1
B371	CS9 - RECT (200; 240)	8.294	Line	N802	N315	beam (80)	standard	Layer1
B372	CS9 - RECT (200; 240)	8.294	Line	N803	N313	beam (80)	standard	Layer1
B373	CS9 - RECT (200; 240)	8.294	Line	N803	N314	beam (80)	standard	Layer1
B374	CS6 - RECT (120; 160)	6.937	Line	N802	N804	beam (80)	standard	Layer1
B381	CS8 - RECT (200; 200)	4.500	Line	N812	N802	beam (80)	standard	Layer1
B382	CS8 - RECT (200; 200)	4.500	Line	N815	N816	beam (80)	standard	Layer1
B383	CS6 - RECT (120; 160)	6.937	Line	N817	N818	beam (80)	standard	Layer1
B385	CS6 - RECT (120; 160)	6.937	Line	N820	N821	beam (80)	standard	Layer1
B387	CS6 - RECT (120; 160)	6.937	Line	N823	N824	beam (80)	standard	Layer1
B389	CS6 - RECT (120; 160)	6.937	Line	N826	N827	beam (80)	standard	Layer1
B391	CS6 - RECT (120; 160)	5.640	Line	N853	N830	beam (80)	standard	Layer1
B393	CS6 - RECT (120; 160)	4.312	Line	N854	N833	beam (80)	standard	Layer1
B395	CS6 - RECT (120; 160)	2.984	Line	N855	N836	beam (80)	standard	Layer1
B397	CS6 - RECT (120; 160)	1.656	Line	N856	N839	beam (80)	standard	Layer1
B399	CS6 - RECT (120; 160)	5.610	Line	N860	N842	beam (80)	standard	Layer1
B401	CS6 - RECT (120; 160)	4.282	Line	N859	N845	beam (80)	standard	Layer1
B403	CS6 - RECT (120; 160)	2.954	Line	N858	N848	beam (80)	standard	Layer1
B405	CS6 - RECT (120; 160)	1.626	Line	N857	N851	beam (80)	standard	Layer1
B406	CS6 - RECT (120; 160)	1.626	Line	N878	N873	beam (80)	standard	Layer1
B407	CS6 - RECT (120; 160)	6.937	Line	N802	N861	beam (80)	standard	Layer1
B408	CS6 - RECT (120; 160)	6.937	Line	N817	N862	beam (80)	standard	Layer1
B409	CS6 - RECT (120; 160)	6.937	Line	N820	N863	beam (80)	standard	Layer1
B410	CS6 - RECT (120; 160)	6.937	Line	N823	N864	beam (80)	standard	Layer1
B411	CS6 - RECT (120; 160)	6.937	Line	N826	N865	beam (80)	standard	Layer1
B412	CS6 - RECT (120; 160)	5.640	Line	N874	N866	beam (80)	standard	Layer1
B413	CS6 - RECT (120; 160)	5.610	Line	N881	N870	beam (80)	standard	Layer1
B414	CS6 - RECT (120; 160)	4.312	Line	N875	N867	beam (80)	standard	Layer1
B415	CS6 - RECT (120; 160)	2.984	Line	N876	N868	beam (80)	standard	Layer1
B416	CS6 - RECT (120; 160)	1.656	Line	N877	N869	beam (80)	standard	Layer1
B417	CS6 - RECT (120; 160)	2.954	Line	N879	N872	beam (80)	standard	Layer1
B418	CS6 - RECT (120; 160)	4.282	Line	N880	N871	beam (80)	standard	Layer1
B419	CS6 - RECT (120; 160)	6.396	Line	N802	N814	beam (80)	standard	Layer1
B420	CS6 - RECT (120; 160)	5.342	Line	N882	N883	beam (80)	standard	Layer1
B421	CS6 - RECT (120; 160)	4.288	Line	N884	N885	beam (80)	standard	Layer1
B422	CS6 - RECT (120; 160)	3.234	Line	N886	N887	beam (80)	standard	Layer1
B423	CS6 - RECT (120; 160)	2.180	Line	N888	N889	beam (80)	standard	Layer1
B424	CS6 - RECT (120; 160)	1.127	Line	N890	N891	beam (80)	standard	Layer1
B425	CS6 - RECT (120; 160)	5.342	Line	N892	N893	beam (80)	standard	Layer1
B426	CS6 - RECT (120; 160)	4.288	Line	N894	N895	beam (80)	standard	Layer1
B427	CS6 - RECT (120; 160)	3.234	Line	N896	N897	beam (80)	standard	Layer1
B428	CS6 - RECT (120; 160)	2.180	Line	N898	N899	beam (80)	standard	Layer1
B429	CS6 - RECT (120; 160)	1.127	Line	N900	N901	beam (80)	standard	Layer1
B430	CS6 - RECT (120; 160)	1.127	Line	N918	N919	beam (80)	standard	Layer1
B431	CS6 - RECT (120; 160)	2.180	Line	N916	N917	beam (80)	standard	Layer1
B432	CS6 - RECT (120; 160)	3.234	Line	N914	N915	beam (80)	standard	Layer1
B433	CS6 - RECT (120; 160)	6.396	Line	N803	N920	beam (80)	standard	Layer1
B434	CS6 - RECT (120; 160)	5.342	Line	N902	N903	beam (80)	standard	Layer1
B435	CS6 - RECT (120; 160)	4.288	Line	N904	N905	beam (80)	standard	Layer1
B436	CS6 - RECT (120; 160)	3.234	Line	N906	N907	beam (80)	standard	Layer1
B437	CS6 - RECT (120; 160)	2.180	Line	N908	N909	beam (80)	standard	Layer1
B438	CS6 - RECT (120; 160)	5.342	Line	N910	N911	beam (80)	standard	Layer1
B439	CS6 - RECT (120; 160)	4.288	Line	N912	N913	beam (80)	standard	Layer1
B440	CS6 - RECT (120; 160)	6.382	Line	N511	N922	beam (80)	standard	Layer1
B441	CS8 - RECT (200; 200)	0.100	Line	N923	N924	beam (80)	standard	Layer1
B442	CS3 - Rectangle (400; 400)	4.100	Line	N925	N369	column (100)	standard	Layer1
B443	CS3 - Rectangle (400; 400)	4.100	Line	N926	N370	column (100)	standard	Layer1
B444	CS11 - Rectangle (500; 600)	2.100	Line	N925	N98	beam (80)	standard	Layer1
B445	CS11 - Rectangle (500; 600)	2.100	Line	N926	N102	beam (80)	standard	Layer1
B446	CS11 - Rectangle (500; 600)	2.350	Line	N925	N926	beam (80)	standard	Layer1

13.Member 2D

Name	Material	Th.	Thickness type	Type	Layer

		[mm]			
S2	zidovje	300	constant	wall (80)	Layer1
S1	zidovje	300	constant	wall (80)	Layer1
S2	zidovje	450	constant	wall (80)	Layer1
S3	zidovje	300	constant	wall (80)	Layer1
S4	zidovje	450	constant	wall (80)	Layer1
S5	C25/30	200	constant	wall (80)	Layer1
S6	C25/30	200	constant	wall (80)	Layer1
S7	zidovje	450	constant	wall (80)	Layer1
S8	C25/30	200	constant	wall (80)	Layer1
S10	zidovje	450	constant	wall (80)	Layer1
S11	C25/30	200	constant	wall (80)	Layer1
S12	C25/30	200	constant	wall (80)	Layer1
S13	C25/30	200	constant	wall (80)	Layer1
S14	C25/30	200	constant	wall (80)	Layer1
S15	zidovje	450	constant	wall (80)	Layer1
S16	zidovje	450	constant	wall (80)	Layer1
S17	zidovje	450	constant	wall (80)	Layer1
S18	zidovje	450	constant	wall (80)	Layer1
S19	zidovje	450	constant	wall (80)	Layer1
S20	zidovje	450	constant	wall (80)	Layer1
S21	zidovje	450	constant	wall (80)	Layer1
S22	zidovje	300	constant	wall (80)	Layer1
S23	zidovje	300	constant	wall (80)	Layer1
S24	zidovje	300	constant	wall (80)	Layer1
S25	zidovje	300	constant	wall (80)	Layer1
S26	C25/30	150	constant	plate (90)	Layer1
S27	C25/30	150	constant	plate (90)	Layer1
S29	C25/30	200	constant	plate (90)	Layer1
S30	zidovje	450	constant	wall (80)	Layer1
S31	zidovje	300	constant	wall (80)	Layer1
S32	zidovje	300	constant	wall (80)	Layer1
S33	zidovje	300	constant	wall (80)	Layer1
S34	zidovje	450	constant	wall (80)	Layer1
S35	zidovje	450	constant	wall (80)	Layer1
S43	zidovje	450	constant	wall (80)	Layer1
S45	C25/30	200	constant	plate (90)	Layer1
S47	C25/30	400	constant	plate (90)	Layer1
S54	zidovje	450	constant	wall (80)	Layer1
S55	zidovje	450	constant	wall (80)	Layer1
S56	zidovje	450	constant	wall (80)	Layer1
S57	zidovje	300	constant	wall (80)	Layer1
S58	zidovje	450	constant	wall (80)	Layer1
S59	zidovje	300	constant	wall (80)	Layer1
S62	C25/30	150	constant	plate (90)	Layer1
S64	C25/30	150	constant	plate (90)	Layer1
S65	C25/30	150	constant	plate (90)	Layer1
S66	C25/30	150	constant	plate (90)	Layer1
S67	C25/30	150	constant	plate (90)	Layer1
S52	zidovje	450	constant	plate (90)	Layer1
S68	zidovje	300	constant	wall (80)	Layer1
S69	C25/30	200	constant	wall (80)	Layer1
S70	C25/30	200	constant	wall (80)	Layer1
S71	C25/30	200	constant	wall (80)	Layer1
S72	C25/30	200	constant	wall (80)	Layer1
S73	C25/30	200	constant	wall (80)	Layer1
S74	C25/30	200	constant	wall (80)	Layer1

14.Opening

Type Name	Name	2D member	Node	Edge	Panel	Cut 1D member	Convert into 1D member
Opening/Panel	O1	S5	N41 N42 N43 N44	Line Line Line Line	×	×	×
Opening/Panel	O2	S7	N45	Line	×	×	×

			N46 N47 N48	Line Line Line			
Opening/Panel	O3	S7	N49 N50 N51 N52	Line Line Line Line	×	×	×
Opening/Panel	O4	S7	N53 N54 N55 N56	Line Line Line Line	×	×	×
Opening/Panel	O5	S7	N57 N58 N59 N60	Line Line Line Line	×	×	×
Opening/Panel	O6	S7	N61 N62 N63 N64	Line Line Line Line	×	×	×
Opening/Panel	O7	S4	N65 N66 N11 N67	Line Line Line Line	×	×	×
Opening/Panel	O8	S29	N15 N34 N36 N38	Line Line Line Line	×	×	×
Opening/Panel	O10	S29	N119 N120 N15 N122	Line Line Line Line	×	×	×
Opening/Panel	O12	S2	N131 N132 N133 N134	Line Line Line Line	×	×	×
Opening/Panel	O13	S19	N135 N136 N137 N138	Line Line Line Line	×	×	×
Opening/Panel	O14	S2	N139 N140 N141 N142	Line Line Line Line	×	×	×
Opening/Panel	O15	S19	N143 N144 N145 N146	Line Line Line Line	×	×	×
Opening/Panel	O16	S19	N147 N148 N149 N150	Line Line Line Line	×	×	×
Opening/Panel	O17	S19	N151 N152 N153 N154	Line Line Line Line	×	×	×
Opening/Panel	O18	S20	N155 N156 N157 N158	Line Line Line Line	×	×	×
Opening/Panel	O19	S20	N159 N160 N161 N162	Line Line Line Line	×	×	×
Opening/Panel	O20	S20	N163 N164 N165 N166	Line Line Line Line	×	×	×
Opening/Panel	O21	S20	N167	Line	×	×	×

			N168 N169 N170	Line Line Line			
Opening/Panel	O22	S21	N171 N172 N173 N174	Line Line Line Line	×	×	×
Opening/Panel	O23	S21	N175 N176 N177 N178	Line Line Line Line	×	×	×
Opening/Panel	O24	S20	N179 N180 N102 N98	Line Line Line Line	×	×	×
Opening/Panel	O25	S1	N181 N182 N183 N184	Line Line Line Line	×	×	×
Opening/Panel	O26	S43	N201 N202 N203 N204	Line Line Line Line	×	×	×
Opening/Panel	O27	S43	N205 N206 N207 N208	Line Line Line Line	×	×	×
Opening/Panel	O28	S43	N209 N210 N211 N212	Line Line Line Line	×	×	×
Opening/Panel	O29	S43	N213 N214 N215 N216	Line Line Line Line	×	×	×
Opening/Panel	O30	S43	N217 N218 N219 N220	Line Line Line Line	×	×	×
Opening/Panel	O41	S35	N261 N262 N263 N264	Line Line Line Line	×	×	×
Opening/Panel	O42	S35	N265 N266 N267 N268	Line Line Line Line	×	×	×
Opening/Panel	O43	S35	N269 N270 N271 N272	Line Line Line Line	×	×	×
Opening/Panel	O44	S35	N273 N274 N275 N276	Line Line Line Line	×	×	×
Opening/Panel	O45	S35	N277 N278 N279 N280	Line Line Line Line	×	×	×
Opening/Panel	O47	S56	N322 N323 N324 N325	Line Line Line Line	×	×	×
Opening/Panel	O48	S56	N326 N327 N328 N329	Line Line Line Line	×	×	×
Opening/Panel	O49	S56	N330	Line	×	×	×

			N331 N332 N333	Line Line Line			
Opening/Panel	O50	S55	N334 N335 N336 N337	Line Line Line Line	×	×	×
Opening/Panel	O51	S55	N338 N339 N340 N341	Line Line Line Line	×	×	×
Opening/Panel	O52	S55	N342 N343 N344 N345	Line Line Line Line	×	×	×
Opening/Panel	O53	S55	N346 N347 N348 N349	Line Line Line Line	×	×	×
Opening/Panel	O54	S54	N350 N351 N352 N353	Line Line Line Line	×	×	×
Opening/Panel	O55	S54	N354 N355 N356 N357	Line Line Line Line	×	×	×
Opening/Panel	O56	S55	N359 N360 N361 N362	Line Line Line Line	×	×	×

15.Internal edge

Type Name	Name	Member 1	Member 2	Intersection	Length [m]	Shape	Node	Edge
Internal edge	ES1	S2	S5	Inter1	4.100	Polyline	N16 N13	Linestrip
Internal edge	ES2	S3	S17	Inter2	1.200	Polyline	N90 N88	Linestrip
Internal edge	ES3	S5	S29	Inter3	3.000	Polyline	N122 N16	Linestrip
Internal edge	ES4	S6	S13	Inter4	4.100	Polyline	N38 N37	Linestrip
Internal edge	ES5	S6	S15	Inter5	4.100	Polyline	N18 N17	Linestrip
Internal edge	ES6	S6	S29	Inter6	6.440	Polyline	N18 Vertex 2 N15	Linestrip
Internal edge	ES7	S8	S15	Inter7	4.100	Polyline	N23 N22	Linestrip
Internal edge	ES8	S8	S29	Inter8	6.740	Polyline	N23 N24	Linestrip
Internal edge	ES9	S11	S29	Inter9	1.900	Polyline	N34 N15	Linestrip
Internal edge	ES10	S12	S29	Inter10	2.000	Polyline	N34 N36	Linestrip
Internal edge	ES11	S13	S29	Inter11	1.900	Polyline	N36 N38	Linestrip
Internal edge	ES12	S14	S29	Inter12	0.800	Polyline	N40 N34	Linestrip
Internal edge	ES13	S17	S18	Inter13	1.200	Polyline	N87 N89	Linestrip
Internal edge	ES14	S19	S24	Inter14	4.100	Polyline	N105 N108	Linestrip
Internal edge	ES15	S20	S22	Inter15	1.300	Polyline	N99 N179	Linestrip
Internal edge	ES16	S20	S23	Inter16	1.300	Polyline	N103 N180	Linestrip

Internal edge	ES17	S21	S25	Inter17	4.100	Polyline	N110 N111	Linestrip
Internal edge	ES18	S22	S24	Inter18	4.100	Polyline	N106 N107	Linestrip
Internal edge	ES25	S65			8.560	Polyline	N99 Vertex 2 N114	Linestrip
Internal edge	ES26	S65			7.720	Polyline	N103 N112	Linestrip
Internal edge	ES27	S67			5.350	Polyline	N107 N108	Linestrip
Internal edge	ES28	S5	S47	Inter89	0.400	Polyline	N14 N283	Linestrip
Internal edge	ES29	S6	S47	Inter90	2.400	Polyline	N284 Vertex 2 N14	Linestrip
Internal edge	ES30	S11	S47	Inter91	1.900	Polyline	N33 N14	Linestrip
Internal edge	ES31	S12	S47	Inter92	2.000	Polyline	N33 N35	Linestrip
Internal edge	ES32	S13	S47	Inter93	1.900	Polyline	N35 N37	Linestrip
Internal edge	ES33	S14	S47	Inter94	0.400	Polyline	N921 N33	Linestrip
Internal edge	ES34	S22	S67	Inter95	8.560	Polyline	N114 Vertex 2 N99	Linestrip
Internal edge	ES35	S24	S67	Inter96	5.350	Polyline	N108 N107	Linestrip
Internal edge	ES36	S43	S58	Inter97	2.900	Polyline	N20 N200	Linestrip
Internal edge	ES37	S45	S58	Inter98	9.450	Polyline	N200 N190	Linestrip
Internal edge	ES38	S54	S59	Inter99	4.000	Polyline	N111 N318	Linestrip
Internal edge	ES39	S55	S57	Inter100	4.000	Polyline	N358 N103	Linestrip
Internal edge	ES40	S56	S68	Inter101	4.000	Polyline	N108 N814	Linestrip
Internal edge	ES41	S62	S68	Inter102	5.350	Polyline	N813 N814	Linestrip
Internal edge	ES42	S67	S68	Inter103	5.350	Polyline	N107 N108	Linestrip
Internal edge	ES43	S29	S69	Inter196	6.440	Polyline	N15 Vertex 2 N18	Linestrip
Internal edge	ES44	S29	S70	Inter197	2.000	Polyline	N36 N34	Linestrip
Internal edge	ES45	S29	S71	Inter198	1.900	Polyline	N38 N36	Linestrip
Internal edge	ES46	S29	S72	Inter199	1.900	Polyline	N15 N34	Linestrip
Internal edge	ES47	S29	S73	Inter200	0.800	Polyline	N34 N40	Linestrip
Internal edge	ES48	S29	S74	Inter201	3.000	Polyline	N16 N122	Linestrip
Internal edge	ES49	S34	S74	Inter202	2.900	Polyline	N933 N16	Linestrip
Internal edge	ES50	S35	S69	Inter203	1.150	Polyline	N18 N934	Linestrip
Internal edge	ES51	S35	S69	Inter204	0.400	Polyline	N935 N927	Linestrip
Internal edge	ES52	S45	S69	Inter205	6.440	Polyline	N928 N931 N927	Linestrip
Internal edge	ES53	S45	S70	Inter206	2.000	Polyline	N930 N929	Linestrip

Internal edge	ES54	S45	S71	Inter207	1.900	Polyline	N931 N930	Linestrip
Internal edge	ES55	S45	S72	Inter208	1.900	Polyline	N928 N929	Linestrip
Internal edge	ES56	S45	S73	Inter209	0.800	Polyline	N929 N932	Linestrip
Internal edge	ES57	S45	S74	Inter210	5.550	Polyline	N933 N928	Linestrip
Internal edge	ES58	S69	S71	Inter211	2.900	Polyline	N931 N38	Linestrip

16.Hinges on beam

Name	Member	Position	ux	uy	uz	fix	fiy	fiz
H4	B53	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H5	B54	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H13	B68	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H14	B69	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H15	B73	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H16	B74	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H17	B75	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H18	B76	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H19	B77	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H20	B78	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H21	B79	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H22	B80	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H23	B81	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H24	B82	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H25	B85	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H26	B88	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H27	B87	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H28	B83	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H29	B86	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H30	B84	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H31	B72	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H32	B57	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H33	B89	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H34	B90	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H35	B93	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H36	B94	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H37	B95	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H38	B96	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H39	B97	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H40	B98	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H41	B99	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H42	B100	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H43	B101	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H44	B102	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H45	B103	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H46	B104	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H47	B105	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H48	B106	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H49	B107	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H50	B108	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H51	B109	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H52	B110	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H53	B111	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H54	B114	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H55	B115	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H56	B116	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H57	B117	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H58	B118	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H59	B119	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H60	B120	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H61	B121	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H62	B122	Both	Rigid	Rigid	Rigid	Rigid	Free	Free

H63	B123	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H64	B124	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H65	B125	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H66	B126	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H67	B127	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H68	B128	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H69	B129	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H70	B130	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H71	B131	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H72	B132	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H73	B135	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H74	B136	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H75	B137	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H76	B138	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H77	B139	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H78	B140	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H79	B141	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H80	B142	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H81	B143	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H82	B144	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H83	B145	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H84	B146	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H85	B147	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H86	B148	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H87	B149	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H88	B150	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H89	B151	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H90	B152	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H91	B153	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H92	B156	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H93	B157	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H94	B158	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H95	B159	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H96	B160	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H97	B161	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H98	B162	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H99	B163	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H100	B164	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H101	B165	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H102	B166	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H103	B167	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H104	B168	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H105	B169	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H106	B170	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H107	B171	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H108	B172	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H109	B173	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H110	B174	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H111	B175	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H112	B176	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H113	B177	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H114	B178	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H115	B179	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H116	B180	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H117	B181	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H118	B182	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H119	B183	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H120	B184	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H121	B185	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H122	B186	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H123	B187	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H125	B189	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H126	B190	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H127	B191	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H128	B192	End	Rigid	Rigid	Rigid	Rigid	Free	Free

H130	B194	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H131	B195	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H132	B196	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H133	B197	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H135	B199	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H136	B200	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H137	B201	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H138	B202	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H140	B204	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H141	B205	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H142	B206	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H143	B207	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H145	B209	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H146	B210	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H147	B211	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H148	B212	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H150	B214	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H151	B215	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H152	B216	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H153	B217	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H155	B219	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H156	B220	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H157	B221	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H158	B222	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H160	B224	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H161	B225	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H162	B226	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H163	B227	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H165	B229	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H166	B230	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H167	B231	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H168	B232	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H169	B233	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H170	B234	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H171	B235	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H172	B236	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H173	B237	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H174	B238	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H175	B239	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H176	B240	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H177	B241	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H178	B242	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H179	B243	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H180	B244	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H181	B245	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H182	B246	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H183	B247	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H184	B248	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H185	B249	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H186	B250	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H187	B251	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H188	B252	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H189	B253	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H190	B254	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H191	B255	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H192	B256	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H193	B257	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H194	B258	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H195	B259	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H196	B260	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H197	B261	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H198	B262	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H199	B263	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H200	B264	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H201	B265	End	Rigid	Rigid	Rigid	Rigid	Free	Free

H202	B266	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H203	B267	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H204	B268	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H205	B269	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H206	B270	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H207	B271	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H208	B272	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H209	B273	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H210	B274	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H211	B275	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H212	B276	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H213	B277	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H214	B278	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H215	B279	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H216	B280	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H217	B281	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H218	B282	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H219	B283	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H220	B284	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H221	B285	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H222	B286	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H223	B287	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H224	B288	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H225	B289	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H226	B290	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H227	B291	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H228	B292	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H229	B293	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H230	B294	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H231	B295	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H232	B296	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H233	B297	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H234	B298	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H235	B299	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H236	B300	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H237	B301	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H238	B302	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H239	B303	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H240	B304	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H241	B305	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H242	B306	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H243	B307	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H244	B308	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H245	B309	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H246	B310	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H247	B311	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H248	B312	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H249	B313	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H250	B314	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H251	B315	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H252	B316	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H253	B317	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H254	B318	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H255	B319	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H256	B320	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H257	B321	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H258	B322	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H259	B323	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H260	B324	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H261	B325	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H262	B326	End	Rigid	Rigid	Rigid	Rigid	Free	Free
H263	B327	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H264	B328	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H265	B329	Both	Rigid	Rigid	Rigid	Rigid	Free	Free
H266	B330	Both	Rigid	Rigid	Rigid	Rigid	Free	Free