PRILOGA 1B

NASLOVNA STRAN NAČRTA

2 Načrt s področja gradbeništva
DMM-023/21, gradbene konstrukcije

OSNOVNI PODATKI O GRADNJI	
naziv gradnje	**Center starejših KO-RA, Ravne na Koroškem**
kratek opis gradnje	**Lokacija predvidenega Medgeneracijskega centra Javornik z domom starejših občanov se nahaja v neposredni bližini dvorca Javornik na Ravnah na Koroškem. Obsega parcele št. 117/1, 115/3, 110/4, 110/3, 114/1, 109/3, vse k.o. 882-Ravne, to so parcele, ki so nekdaj pripadale dvorcu, vključno z dvorcem samim.Zasnova novega medgeneracijskega centra se načrtuje na vzhodni in severni strani obstoječega dvorca. Lokacija je večinoma ravna, lega dvorca na blagi vzpetini vzhodno od centra naselja Ravne na Koroškem pa omogoča lepe poglede proti Ravnam in proti zahodu. Pozicija na SZ delu naselja Javornik je dovolj oddaljena, da je omogočena osončenost tudi z vzhodne in južne strani. Na severnem delu lokacije se pričenja hribček Pigl, ki je poseljen z vrtički, na jugovzhodnem delu**
VRSTE GRADNJE	**NOVOGRADNJA - NOVOZGRAJEN OBJEKT**

DOKUMENTACIJA	
vrsta dokumentacije	**PZI (projektna dokumentacija za izvedbo gradnje)**
☐	**sprememba dokumentacije**
številka projekta	

PODATKI O NAČRTU	
strokovno področje načrta	**2 Načrt s področja gradbeništva**
številka in naziv načrta	**DMM-023/21, gradbene konstrukcije**
številka načrta	**DMM-023/21**
datum izdelave	**jul.21**

PODATKI O IZDELOVALCU NAČRTA	
ime in priimek pooblaščenega arhitekta, pooblaščenega inženirja ali druge osebe	**Matjaž Žabkar, d.i.gr.**
identifikacijska številka	**IZS G-2844**
podpis pooblaščenega arhitekta, pooblaščenega inženirja ali druge osebe	

PODATKI O PROJEKTANTU	
projektant (naziv družbe)	**DM-Metal d.o.o.**
sedež družbe	**Šentjanž pri Dravogradu 145, 2373 Šentjanž pri Dravogradu**
vodja projekta	**Maruša Zorec, u.d.i.a.**
identifikacijska številka	**ZAPS 1018 A**
podpis vodje projekta	
odgovorna oseba projektanta	**Damjan Matko**
podpis odgovorne osebe projektanta	

PRILOGA 3

KAZALO VSEBINE PROJEKTA

2 Načrt s področja gradbeništva
DMM-023/21, Gradbene konstrukcije

KAZALO NAČRTOV

PZI		PID *navesti tiste načrte, ki so dopolnjeni ali izdelani na novo*	
naziv načrta	številka načrta	naziv načrta	številka načrta
NASLOVNA STRAN NAČRTA	**0.0**		
KAZALO VSEBINE NAČRTA	**1.0**		
TEHNIČNO POROČILO	**2.0**		
Poročilo statične presoje nosilne jeklene, AB in zidane konstrukcije	**2.1**		
RISBE (armaturni načrti)	**3.0**		
TLORIS TEMELJEV IN KLETI	**3.G.1**		
TLORIS PRITLIČJA	**3.G.2**		
TLORIS STREHE	**3.G.3**		
KARAKTERISTIČNI PREREZI	**3.G.4**		

po potrebi dodaj vrstice

KAZALO IZKAZOV

PZI	
naziv izkaza	št. izkaza

po potrebi dodaj vrstice

INVESTITOR: *Občina Ravne na Koroškem, Gačnikova pot 5*
2390 Ravne na Koroškem in
Koroški dom starostnikov, Črneče 146, 2370 Dravograd

OBJEKT: *Center starejših KO-RA, Ravne na Koroškem*
novogradnja, rekonstrukcija

FAZA: **PZI**

ŠT. NAČRTA: **DMM-023/21**

ŠT. PROJEKTA: **2020/03**

2.0 TEHNIČNO POROČILO

Ljubljana, Junij 2021

Odgovorni projektant:

Matjaž ŽABKAR, dipl. inž. gradb.

1.0) TEHNIČNO POROČILO

1.1) ZASNOVA

Predmet projekta je izvedba prizidka k obstoječemu objektu. Prizidani del je tlorisne oblike črke L. Objekt je zasnovan kot klasična zidana gradnja na AB pasovnih temeljih in je v delu tudi podkleten. Objekt je samostoječ in bo lociran ob obstoječem objektu. Na stiku z obstoječim objektom se izvede dilatacija.

Daljši krak objekta je pravokotne tlorisne oblike tlorisnih dimenzij 65,12 m x 9,68 m. Krajši krak pa je dimenzij 10,82 m x 13,70 m. Na čelu daljšega kraka je gabarit podaljšan v obliki lože globine 2,95 m. Na eni bočni strani krajšega kraka pa je nadkrit hodnik tlorisnih dimenzij 23,60 m x 2,94 m.

Po vertikalnem gabaritu je pretežni del objekta pritličen, v delu pa je vkopana klet. Kapna višina pritličnega dela meri 3,25 m medtem ko meri višina skupaj z atiko 3,85 m. Na polovici dolžine daljšega kraka objekta se izvede dilatacija in sicer na preskoku kjer se končajo stopničeni temelji. Etažna višina kleti meri 3,82 m. Streha nadkritega hodnika pa je na višini vrha atike na 3,85 m. Vse mere so konstrukcijske mere.

Vse nosilne stene novogradnje so masivne AB ali klasično zidane stene medtem ko so predelne stene lahko suhomontažne izvedbe. Zunanje nosilne stene so tudi dodatno toplotno izolirane s slojem toplotne izolacije in zaključene z dekorativnim fasadnim ometom, na notranji strani pa oblečene v knauf plošče na podkonstrukciji ali pa ometane. Strešno konstrukcijo tvori AB plošča katera je po celotnem obodu zaključena z atiko. Klet je v celoti armirano betonska in se izvede na temeljni plošči v obliki kesona. Pritlični del je temeljen na pasovnih temeljih. Povezavo temeljev s kletjo se izvede preko stopničenih temeljev. Konstrukcijo nadkritja hodnika se izvede s prefabriciranimi montažnimi AB stebri kateri podpirajo strešno AB ploščo. Na stiku z objektom pa ploščo podpirajo jekleni stebrički.

Po celotnem obodu se izvede atika konstantne višine 0,50 m tako na daljšem delu kot tudi na krajšem delu objekta in na dilataciji. Na krajšem kraku se v območju svetlobnikov nosilci izvedejo na zgornji strani. Prav tako se navzgor obrnjeni nosilci izvedejo v oseh kjer so AB slopi na večjem razmaku v rastru 3,535 m.

Temeljenje se zvede na zmrzlinsko odporni tamponski blazini.

Streha objekta je povsod ravna z blagimi nakloni 1,5% zaradi odvodnjavanja. Kritino strešin tvori strešna prekrivna folija na toplotni izolaciji. Na vsaki zaključeni strešini mora biti izveden varnostni preliv. Streha hodnika je prav tako ravna, z minimalnim padcem zaradi odvodnjavanja ter pokrita s pločevino na podkonstrukciji.

1.2) OBREMENITVE

Poleg sile mase konstrukcije je v računu upoštevana tudi stalna obremenitev, ki jo predstavlja sestava strešne konstrukcije, obremenitev zaradi snega s_k=~2,56 kN/m^2, v horizontalni smeri pa obremenitev zaradi vetra z referenčno hitrostjo 20,0 m/s. Obremenitev stropne plošče predstavlja tudi strop skupaj z instalacijami.

Prav tako so na temeljni plošči upoštevane tudi spremenljive obremenitve za kletne prostore v več različnih kombinacijah.

1.3) MATERIAL

V računu je za vse jeklene elemente upoštevano jeklo kvalitete S235 JR, lastnosti po EN 10025 z mejo plastičnosti $f_{y,k}$ = 23,5 kN/cm^2 z odličnimi varilnimi lastnostmi v normalnih pogojih, ter raztržno trdnost f_u = 36 kN/cm^2, modul elastičnosti E = 21000 kN/cm^2 in strižni modul G = 8100 kN/cm^2. Elementi konstrukcije kateri so izpostavljeni mrazu so lahko tudi iz jekla kvalitete S235 J0.

Armatura v AB konstrukcijah je rebrasta kvalitete S500 ter mrežna, kvalitete S500 B. Kvaliteta betona v vseh AB konstrukcijah je C25/30 XC2. Zaradi zagotavljanja vodotesnosti se lahko uporabi tudi višja marka betona ali ustrezni dodatki za vodotesnost. Vse oznake materialov so po predpisih EuroCode.

Izvajalec del mora pred pričetkom izvedbe objekta pripraviti »Program kontrole zagotavljanja kakovosti izvedenih del«, ki mora upoštevati vse zahteve iz projektne dokumentacije.

1.4) PRIKLJUČKI

Na stiku z obstoječim objektom je potrebno izvesti dilatacijo. Dilatacijske stike nove AB konstrukcije se izvede kot mozničena dilatacija preko moznikov.

OPOMBA!

Nekateri elementi so predvideni tudi kot montažni prefabricirani elementi. Izvajalec montažne gradnje mora za tovrstno gradnjo pripraviti tudi vse certifikate in ateste za vse gradbene proizvode v kolikor so tipizirani ali pa uporabiti materiale po zahtevah Evropskih standardov.

Vgradnja montažnih elementov se izvede po detajli proizvajalca katere mora predhodno potrditi projektant.

1.5) TEMELJNA TLA

Temeljna tla so srednje dobro nosilna. Material na temeljni podlagi je upoštevan kot zemljina s prostorninsko maso 18,5 kN/m3, strižnim kotom 23°. Dopustna obremenitev temeljnih tal v dreniranih pogojih znaša ~0,20 MPa. Modul reakcije tal je bil predpostavljen na osnovi primerljivih podatkov in znaša ob predpostavki minimalnih posedkov >15 MN/m3. Podatki so informativni saj geomehansko poročilo v tej fazi ni vilo izdelano.

OPOMBA!

Temeljna tla mora po izkopu za temelje pregledati geomehanik in ugotovitve vpisati v gradbeni dnevnik. V primeru večjih odstopanj je potrebno sistem temeljenja ustrezno korigirati. Prav tako mora biti v času gradnje ves čas vršen geomehanski nadzor ter monitoring posedkov.

Temeljna plošča se izvede na zmrzlinsko odpornem tamponu po navodilih geomehanika. Pred izvedbo je potrebno pridobiti ustrezna navodila oziroma elaborat za pripravo temeljnih tal. Okoli temeljne plošče se izvede ustrezno odvodnjavanje površinskih voda.

1.6) PROTIPOTRESNA PRESOJA

Objekt bo grajen v VI. potresni coni, kjer je pričakovana vrednost projektnega pospeška temeljnih tal ocenjena na ag=0,125g po karti projektnih pospeškov za povratno dobo 475 let.

Potresno varnost zidanega dela objekta zagotavljajo AB protipotresne horizontalne in vertikalne vezi v kombinaciji s preostalo AB konstrukcijo objekta. Za dosego potresne varnosti je potrebno AB prereze ustrezno armirati. V vseh AB prerezih je potrebno zagotoviti tudi minimalno potrebno armaturo.

Vse horizontalne protipotresne vezi se armirajo najmanj s palicami +/- 2 fi 14 in stremeni na razdalji < 15 cm. Vertikalne protipotresne vezi se armira najmanj s palicami 4 fi 14 in stremeni na razdalji < 15 cm ob vpetju in območju preklopov zgoščenimi na razdaljo < 10 cm. AB preklade in obrnjeni nosilci se armirajo po načrtu.

1.7) UPORABLJENI STANDARDI

Načrt je bil izdelan na podlagi pravil Evrokodov. Pri projektiranju so bili upoštevani tudi ostali veljavni pravilniki in standardi. Račun z računalniškimi programi je bil izveden po veljavnih evropskih predpisih SIST-EN:

- Evrokod 1: Vplivi na konstrukcije
  - SIST EN 1991-1-1 Splošni vplivi, prostorninske teže, lastna masa, koristne obremenitve.
  - SIST EN 1991-1-3 Snežne obremenitve na območju RS.
  - SIST EN 1991-1-4 Delovanje vetra na območju RS.

- Evrokod 2: Projektiranje betonskih konstrukcij
  - EN 1992-1-1 Splošna pravila in pravila za stavbe.
- Evrokod 3: Projektiranje jeklenih konstrukcij
  - EN 1993-1-1 Splošna pravila in pravila za stavbe.
- Evrokod 7: Geotegnično projektiranje
  - EN 1997-1 Splošna pravila
- Evrokod 8: Projektiranje potresnoodpornih konstrukcij
  - EN 1998-1 Splošna pravila, potresni vplivi in pravila za stavbe.
  - DIN EN 18808 Jeklene varjene konstrukcije iz votlih profilov (okroglih, kvadratnih in pravokotnih cevi), vodila za izračun in medsebojno varjenje.
  - EN 10029 Vročevaljana jeklena pločevina deb. 3 mm ali več. (tolerance mer in oblike)
  - EN 10034 Vročevaljani širokopasni jekleni I in H profili. (mere, mase, oblike in tolerance, statični podatki)

1.8) IZVEDBA

a) Izdelava in montaža

Izdelavo betonskih delov konstrukcije je bilo potrebno izvesti v skladu s SIST EN 13670. Vsi jekleni elementi so predvideni v transportnih dolžinah in morajo biti opremljeni z ustreznimi certifikati. Protipožarna zaščita se izvede v skladu s študijo požarne varnosti.

b) Zahteve pri izvedbi

Investitor je med gradnjo objekta dolžan zagotoviti strokovni nadzor in kontrolo izdelave z vsemi ustreznimi meritvami vgrajenega materiala po veljavnih predpisih in standardih.

Izvajalec je dolžan pred pričetkom gradnje izdelati elaborat postopka gradnje, vključno z vsemi varstvenimi ukrepi. Med gradnjo mora voditi vso po veljavnih predpisih zahtevano dokumentacijo, ki se nanaša na dokazovanje kvalitete vgrajenih materialov in tehnoloških postopkov posameznih faz gradnje. Vsi vgrajeni produkti morajo imeti ustrezna tehnična soglasja oz. certifikate.

Ves vgrajen, dodajni in spojni material mora biti opremljen v skladu z Zakonom o gradbenih proizvodih (ZGPro) oziroma Direktivo EU o gradbenih proizvodih (DGP), z izjavami o skladnosti proizvoda oz. certifikati o skladnosti proizvoda in mora biti vgrajen po veljavnih predpisih in standardih. Vsak vgrajen material mora biti označen in sledljiv.

Izvajalec je dolžan pred začetkom izvedbe oz. gradnje izdelati naslednje dokumente:
- Načrt zagotavljanja kakovosti del,
- Delavniško dokumentacijo,
- Elaborat varstva pri delu,

Dokumenti morajo biti pregledani s strani strokovnega nadzora investitorja. Konstrukcijo je potrebno v vseh fazah gradnje, s pravilnim vrstnim redom sestave in gradnje, varovati proti izgubi stabilnosti ali porušitvi. Med gradnjo je potrebno voditi vso potrebno kontrolno dokumentacijo, potrdila o kvaliteti osnovnega, dodajnega in spojnega materiala, potrdila o usposobljenosti varilcev, skladnosti varilnih postopkov, merske protokole, rezultate kontrole zvarov. Montažo je potrebno izvajati v skladu s projektom montaže. Geometrijo konstrukcije je potrebno preverjati v vsaki fazi montaže in se držati predpisanih toleranc. Za vsako spremembo je potrebno pred njeno izvedbo pridobiti pisno soglasje projektanta in strokovnega nadzora.

Izkop za temeljenje mora kontrolirati pooblaščen geomehanik in ustreznost potrditi z vpisom v gradbeni dnevnik.

Pri delu je potrebno upoštevati ustrezne predpise iz varstva pri delu.

Pripravil:

Matjaž Žabkar d.i.gr.

INVESTITOR: *Občina Ravne na Koroškem, Gačnikova pot 5*
2390 Ravne na Koroškem in
Koroški dom starostnikov, Črneče 146, 2370 Dravograd

OBJEKT: *Center starejših KO-RA, Ravne na Koroškem*
novogradnja, rekonstrukcija

FAZA: **PZI**

ŠT. NAČRTA: **DMM-023/21**

ŠT. PROJEKTA: **2020/03**

2.1 Poročilo statične presoje nosilne AB in zidane ter jeklene konstrukcije

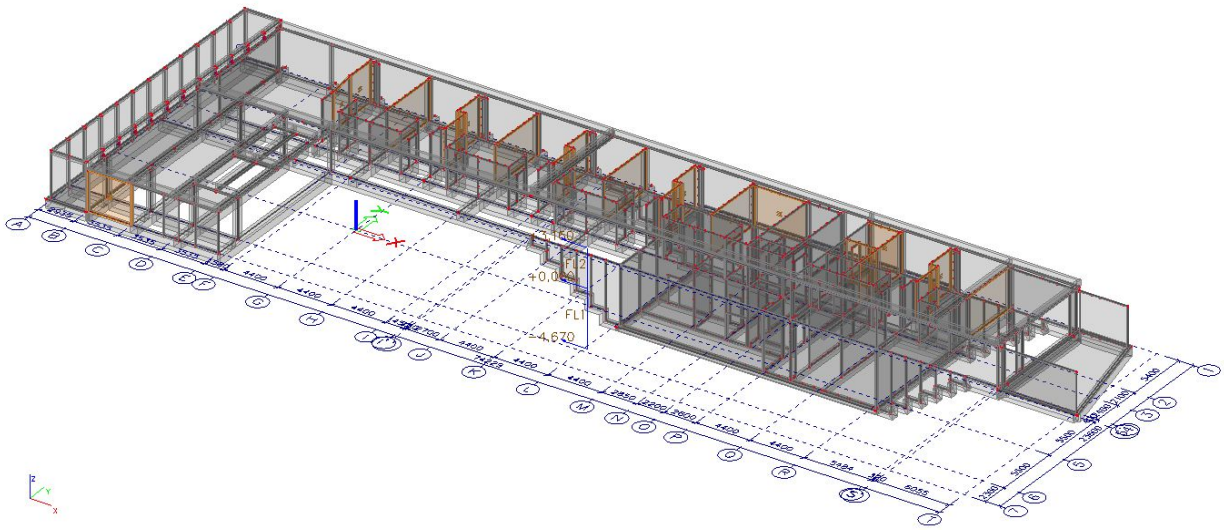
Ljubljana, Junij 2021

Odgovorni projektant:

Matjaž ŽABKAR, dipl. inž. gradb.

STATIČNI IZRAČUN NOSILNE KONSTRUKCIJE

1.0 RAČUNSKI MODEL KONSTRUKCIJE Z OSNOVNIMI PODATKI



Dispozicija osi z dimenzijami konstrukcije – pogled

1.1 MATERIALI

Beton EC2

Name	Type	ρ [kg/m³]	Density in fresh state [kg/m³]	E_{mod} [MPa]	μ	α [m/mK]	$f_{c.k.28}$ [MPa]
C25/30	Concrete	2500,0	2600,0	3,1500e+04	0.2	0,00	25,00

Armatura EC2

Name	Type	ρ [kg/m³]	E_{mod} [MPa]	G_{mod} [MPa]	α [m/mK]	$f_{y.k}$ [MPa]
B 500B	Reinforcement steel	7850,0	2,0000e+05	8,3333e+04	0,00	500,0

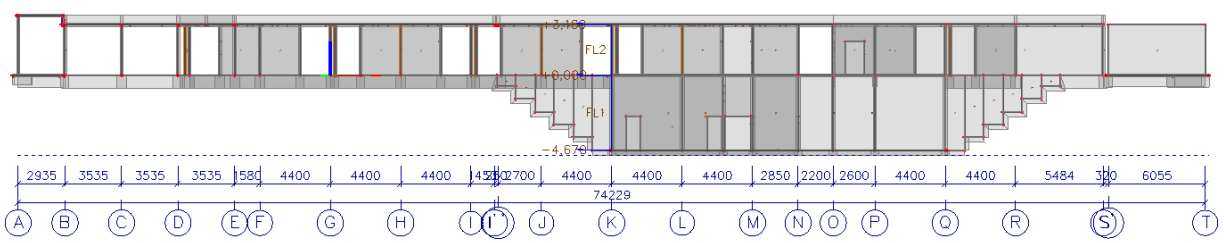
Zid

Name	Type	ρ [kg/m³]	E_{mod} [MPa]	μ	G_{mod} [MPa]	α [m/mK]	f_k [MPa]
Masonry	Masonry	650,0	3,1000e+03	0.25	1,2400e+03	0,00	3,1

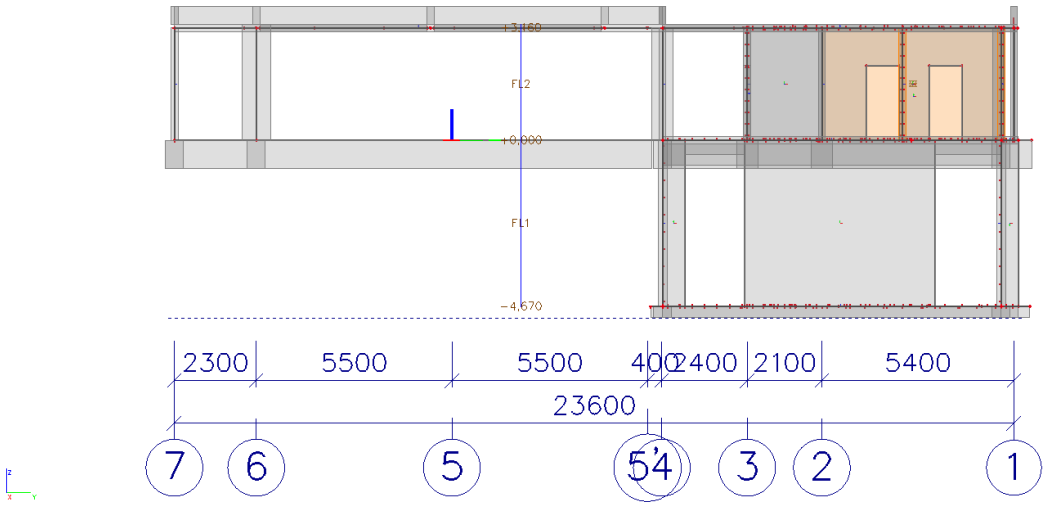
Jeklo EC3

Name	ρ [kg/m³]	E_{mod} [MPa]	μ	Lower limit [mm]	Upper limit [mm]	F_y [MPa]	F_u [MPa]
		G_{mod} [MPa]	α [m/mK]				
S 235	7850,0	2,1000e+05	0.3	0	40	235,0	360,0
		8,0769e+04	0,00	40	80	215,0	360,0

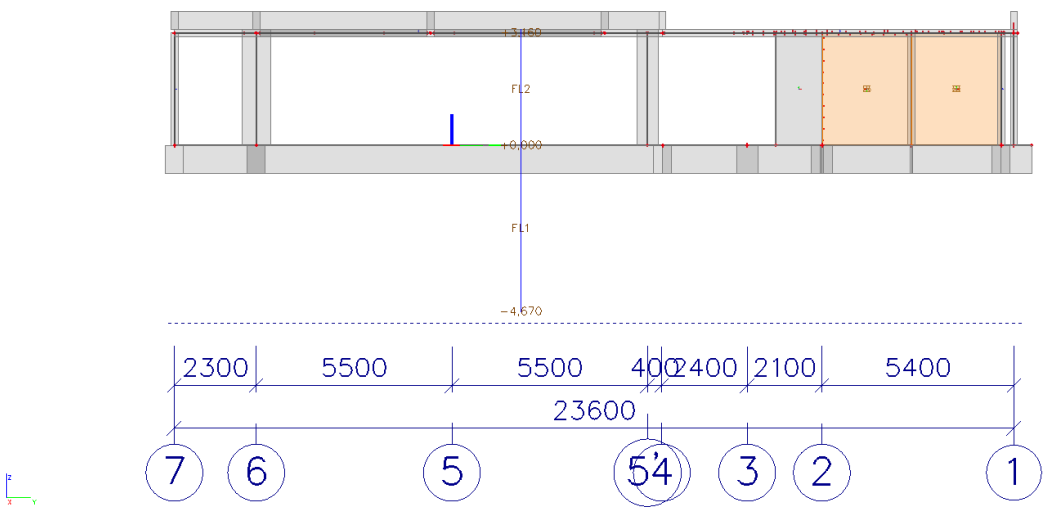
Karakteristični prerez - vzdolžni



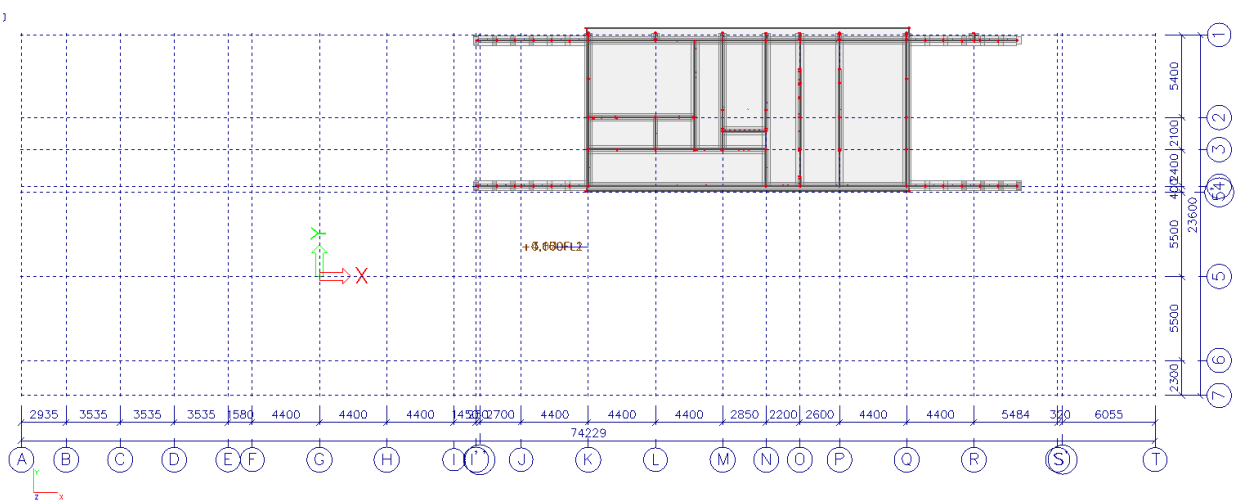
Karakteristični prerez – prečni 1



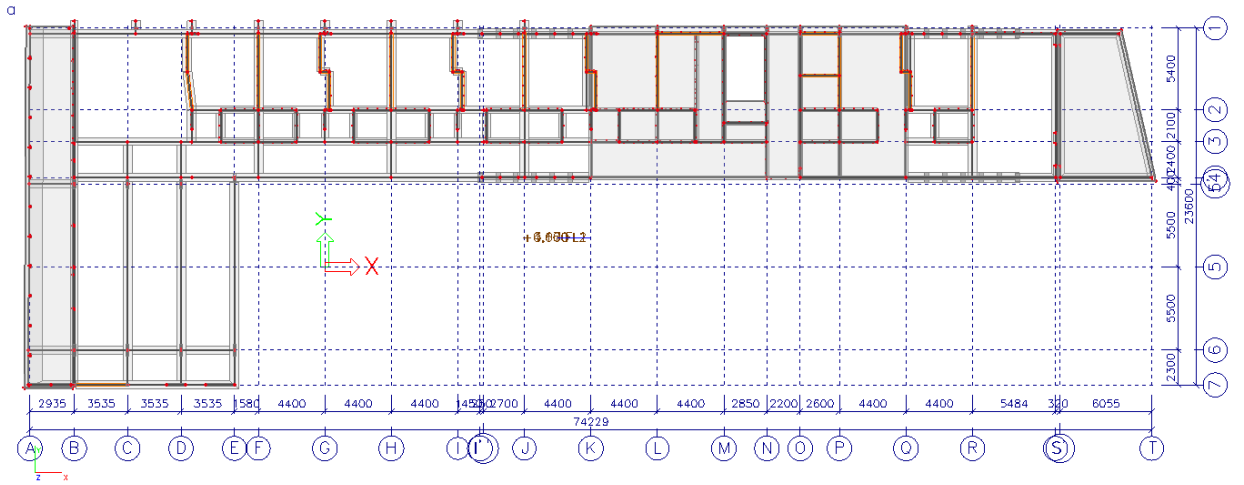
Karakteristični prerez – prečni 2



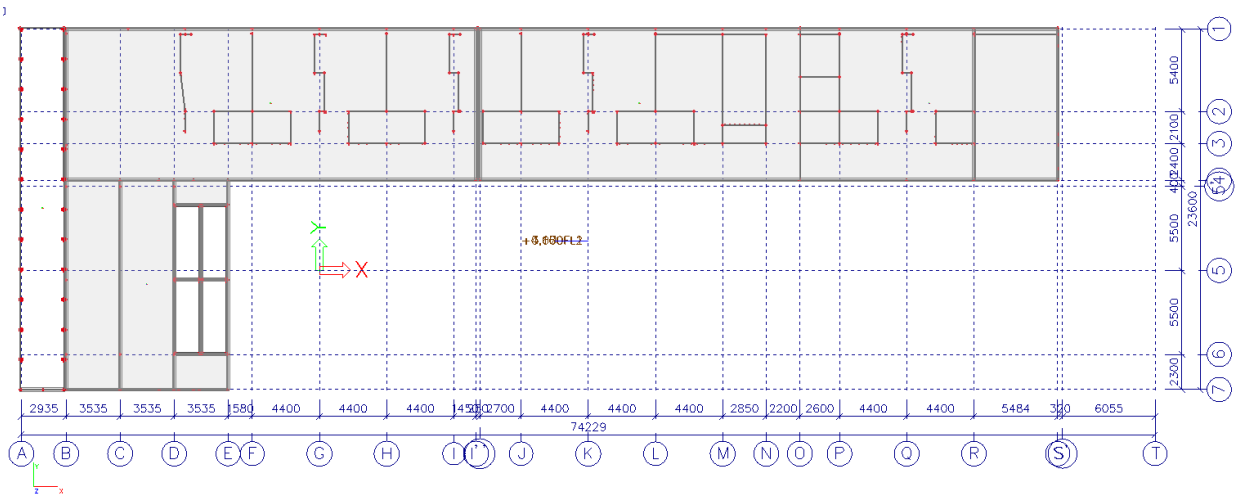
Tloris kleti



Tloris pritličja



Tloris strehe



Seznam materiala s količinami

Selection: All;
Type of sorting: Cross-section

Summary

Material	Mass [kg]	Surface [m²]	Volume [m³]
Steel	119,8	4,039	1,5264e-02
Reinforcement steel	2454,0		
Concrete	1962038,3	4459,083	7,8482e+02
Masonry	72273,3	225,854	4,5171e+01
Total	2036885,5	4688,976	8,3000e+02

Steel (1D)

Cross-section	Material	Length [m]	Unit mass [kg/m]	Mass [kg]	Surface [m²]	Volume [m³]
CS15 - HEA100	S 235	7,200	16,6	119,8	4,039	1,5264e-02
Total		7,200		119,8	4,039	1,5264e-02

Concrete (1D)

Cross-section	Material	Length [m]	Unit mass [kg/m]	Mass [kg]	Surface [m²]	Volume [m³]
CS1 - Rectangle (320; 200)	C25/30	22,120	160,0	3539,2	23,005	1,4157e+00
CS2 - Rectangle (250; 250)	C25/30	2,935	156,3	458,6	2,935	1,8344e-01

Cross-section	Material	Length [m]	Unit mass [kg/m]	Mass [kg]	Surface [m²]	Volume [m³]
CS3 - Rectangle (800; 200)	C25/30	12,640	400,0	5056,0	25,280	2,0224e+00
CS4 - Rectangle (600; 200)	C25/30	12,640	300,0	3792,0	20,224	1,5168e+00
CS5 - Rectangle (500; 1150)	C25/30	23,720	1437,5	34097,8	78,277	1,3639e+01
CS6 - Rectangle (600; 250)	C25/30	19,660	375,0	7372,5	33,422	2,9490e+00
CS7 - Rectangle (300; 650)	C25/30	44,780	487,5	21830,2	85,082	8,7321e+00
CS8 - Rectangle (620; 500)	C25/30	34,697	775,0	26890,2	77,721	1,0756e+01
CS9 - Rectangle (300; 500)	C25/30	128,430	375,0	48161,2	205,488	1,9264e+01
CS10 - Rectangle (500; 200)	C25/30	265,428	250,0	66357,0	371,599	2,6543e+01
CS13 - Rectangle (200; 200)	C25/30	95,680	100,0	9568,0	76,544	3,8272e+00
CS16 - Rectangle (300; 200)	C25/30	7,675	150,0	1151,3	7,675	4,6050e-01
CS17 - Rectangle (200; 200)	C25/30	41,080	100,0	4108,0	32,864	1,6432e+00
CS18 - Rectangle (600; 500)	C25/30	6,055	750,0	4541,4	13,322	1,8166e+00
CS19 - Rectangle (800; 500)	C25/30	205,728	1000,0	205727,9	534,892	8,2291e+01
CS20 - Rectangle (300; 500)	C25/30	2,680	375,0	1005,0	4,288	4,0200e-01
CS21 - Rectangle (800; 600)	C25/30	105,698	1200,0	126837,4	295,954	5,0735e+01
CS11 - Rectangle (155; 200)	C25/30	50,035	77,5	3877,7	35,525	1,5511e+00
Total		1081,681		574371,5	1924,097	2,2975e+02

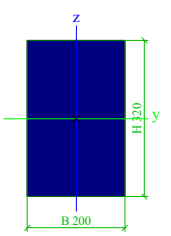
Concrete (2D)

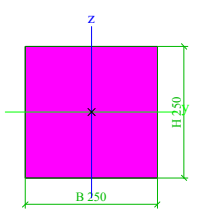
Cross-section	Material	Thickness [mm]	Unit mass [kg/m²]	Mass [kg]	Surface [m²]	Volume [m³]
Standard - constant	C25/30	155,00	387,5	26954,3	69,560	1,0782e+01
Standard – constant	C25/30	200,00	500,0	833072,8	1666,146	3,3323e+02
Standard - constant	C25/30	250,00	625,0	359103,5	574,566	1,4364e+02
Standard - constant	C25/30	300,00	750,0	168536,3	224,715	6,7415e+01
Total				1387666,9	2534,986	5,5507e+02

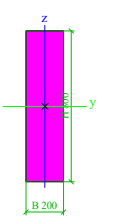
Masonry (2D)

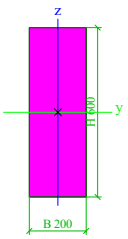
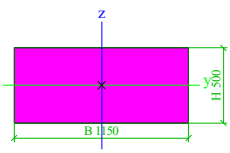
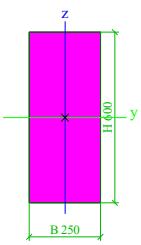
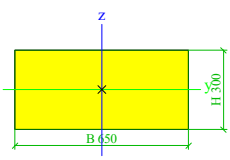
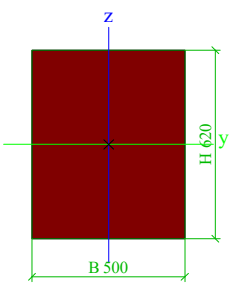
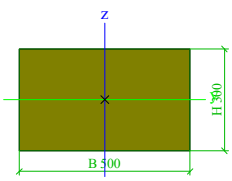
Cross-section	Material	Thickness [mm]	Unit mass [kg/m²]	Mass [kg]	Surface [m²]	Volume [m³]	Errors, warnings, notes
Standard – constant	Masonry	200,00	320,0	72273,3	225,854	4,5171e+01	W-B/2
Total				72273,3	225,854	4,5171e+01	

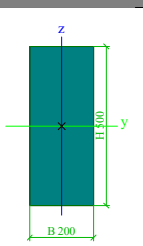
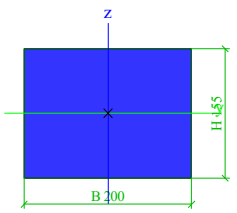
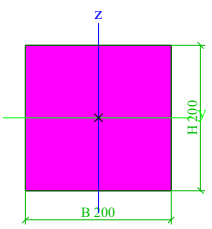
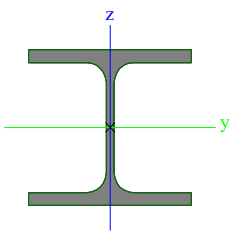
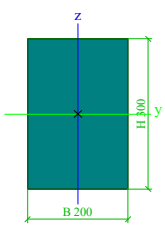
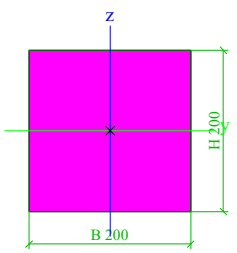
1.2 PREČNI PREREZI

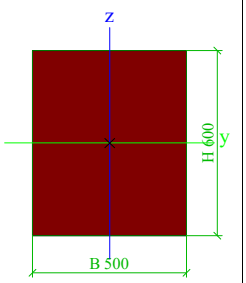
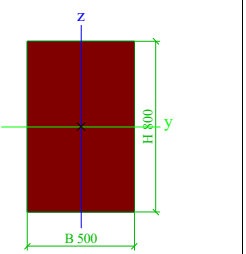
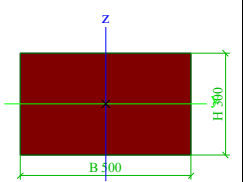
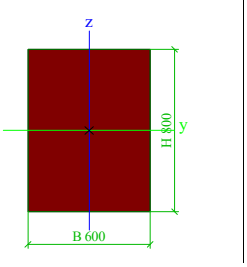
CS1			
Detailed	320; 200		
Item material	C25/30		
Fabrication	concrete		
A [m²]	6,4000e-02		
A_y [m²], A_z [m²]	5,3333e-02	5,3333e-02	
A_L [m²/m], A_D [m²/m]	1,0400e+00	1,0400e+00	
I_y [m⁴], I_z [m⁴]	5,4613e-04	2,1333e-04	
i_y [mm], i_z [mm]	92	58	
$W_{el.y}$ [m³], $W_{el.z}$ [m³]	3,4133e-03	2,1333e-03	

CS2			
Detailed	250; 250		
Item material	C25/30		
Fabrication	concrete		
A [m²]	6,2500e-02		
A_y [m²], A_z [m²]	5,2135e-02	5,2135e-02	
A_L [m²/m], A_D [m²/m]	1,0000e+00	1,0000e+00	
I_y [m⁴], I_z [m⁴]	3,2552e-04	3,2552e-04	
i_y [mm], i_z [mm]	72	72	
$W_{el.y}$ [m³], $W_{el.z}$ [m³]	2,6042e-03	2,6042e-03	

CS3			
Detailed	800; 200		
Item material	C25/30		
Fabrication	concrete		
A [m²]	1,6000e-01		
A_y [m²], A_z [m²]	1,3391e-01	1,3337e-01	
A_L [m²/m], A_D [m²/m]	2,0000e+00	2,0000e+00	
I_y [m⁴], I_z [m⁴]	8,5333e-03	5,3333e-04	
i_y [mm], i_z [mm]	231	58	
$W_{el.y}$ [m³], $W_{el.z}$ [m³]	2,1333e-02	5,3333e-03	

CS4			
Detailed	600; 200		
Item material	C25/30		
Fabrication	concrete		
A [m²]	1,2000e-01		
A_y [m²], A_z [m²]	1,0028e-01	1,0003e-01	
A_L [m²/m], A_D [m²/m]	1,6000e+00	1,6000e+00	
$c_{Y,UCS}$ [mm], $c_{Z,UCS}$ [mm]	100	300	
I_y [m⁴], I_z [m⁴]	3,6000e-03	4,0000e-04	
i_y [mm], i_z [mm]	173	58	
$W_{el,y}$ [m³], $W_{el,z}$ [m³]	1,2000e-02	4,0000e-03	
CS5			
Detailed	500; 1150		
Item material	C25/30		
Fabrication	concrete		
A [m²]	5,7500e-01		
A_y [m²], A_z [m²]	4,7942e-01	4,8050e-01	
A_L [m²/m], A_D [m²/m]	3,3000e+00	3,3000e+00	
$c_{Y,UCS}$ [mm], $c_{Z,UCS}$ [mm]	575	250	
I_y [m⁴], I_z [m⁴]	1,1979e-02	6,3370e-02	
i_y [mm], i_z [mm]	144	332	
$W_{el,y}$ [m³], $W_{el,z}$ [m³]	4,7917e-02	1,1021e-01	
CS6			
Detailed	600; 250		
Item material	C25/30		
Fabrication	concrete		
A [m²]	1,5000e-01		
A_y [m²], A_z [m²]	1,2535e-01	1,2506e-01	
A_L [m²/m], A_D [m²/m]	1,7000e+00	1,7000e+00	
$c_{Y,UCS}$ [mm], $c_{Z,UCS}$ [mm]	125	300	
I_y [m⁴], I_z [m⁴]	4,5000e-03	7,8125e-04	
i_y [mm], i_z [mm]	173	72	
$W_{el,y}$ [m³], $W_{el,z}$ [m³]	1,5000e-02	6,2500e-03	
CS7			
Detailed	300; 650		
Item material	C25/30		
Fabrication	concrete		
A [m²]	1,9500e-01		
A_y [m²], A_z [m²]	1,6260e-01	1,6295e-01	
A_L [m²/m], A_D [m²/m]	1,9000e+00	1,9000e+00	
$c_{Y,UCS}$ [mm], $c_{Z,UCS}$ [mm]	325	150	
I_y [m⁴], I_z [m⁴]	1,4625e-03	6,8656e-03	
i_y [mm], i_z [mm]	87	188	
$W_{el,y}$ [m³], $W_{el,z}$ [m³]	9,7500e-03	2,1125e-02	
CS8			
Detailed	620; 500		
Item material	C25/30		
Fabrication	concrete		
A [m²]	3,1000e-01		
A_y [m²], A_z [m²]	2,5868e-01	2,5856e-01	
A_L [m²/m], A_D [m²/m]	2,2400e+00	2,2400e+00	
$c_{Y,UCS}$ [mm], $c_{Z,UCS}$ [mm]	250	310	
I_y [m⁴], I_z [m⁴]	9,9303e-03	6,4583e-03	
i_y [mm], i_z [mm]	179	144	
$W_{el,y}$ [m³], $W_{el,z}$ [m³]	3,2033e-02	2,5833e-02	
CS9			
Detailed	300; 500		
Item material	C25/30		
Fabrication	concrete		
A [m²]	1,5000e-01		
A_y [m²], A_z [m²]	1,2509e-01	1,2524e-01	
A_L [m²/m], A_D [m²/m]	1,6000e+00	1,6000e+00	
$c_{Y,UCS}$ [mm], $c_{Z,UCS}$ [mm]	250	150	
I_y [m⁴], I_z [m⁴]	1,1250e-03	3,1250e-03	
i_y [mm], i_z [mm]	87	144	
$W_{el,y}$ [m³], $W_{el,z}$ [m³]	7,5000e-03	1,2500e-02	

CS10			
Detailed	500; 200		
Item material	C25/30		
Fabrication	concrete		
A [m²]	1,0000e-01		
A_y [m²], A_z [m²]	8,3565e-02	8,3370e-02	
A_L [m²/m], A_D [m²/m]	1,4000e+00	1,4000e+00	
I_y [m⁴], I_z [m⁴]	2,0833e-03	3,3333e-04	
i_y [mm], i_z [mm]	144	58	
$W_{el.y}$ [m³], $W_{el.z}$ [m³]	8,3333e-03	3,3333e-03	
CS11			
Detailed	155; 200		
Item material	C25/30		
Fabrication	concrete		
A [m²]	3,1000e-02		
A_y [m²], A_z [m²]	2,5851e-02	2,5863e-02	
A_L [m²/m], A_D [m²/m]	7,1000e-01	7,1000e-01	
$c_{Y.UCS}$ [mm], $c_{Z.UCS}$ [mm]	100	78	
I_y [m⁴], I_z [m⁴]	6,2065e-05	1,0333e-04	
i_y [mm], i_z [mm]	45	58	
$W_{el.y}$ [m³], $W_{el.z}$ [m³]	8,0083e-04	1,0333e-03	
CS13			
Detailed	200; 200		
Item material	C25/30		
Fabrication	concrete		
A [m²]	4,0000e-02		
A_y [m²], A_z [m²]	3,3385e-02	3,3385e-02	
A_L [m²/m], A_D [m²/m]	8,0000e-01	8,0000e-01	
I_y [m⁴], I_z [m⁴]	1,3333e-04	1,3333e-04	
i_y [mm], i_z [mm]	58	58	
$W_{el.y}$ [m³], $W_{el.z}$ [m³]	1,3333e-03	1,3333e-03	
CS15			
Type	HEA100		
Item material	S 235		
Fabrication	rolled		
Flexural buckling y-y, Flexural buckling z-z	b	c	
A [m²]	2,1200e-03		
A_y [m²], A_z [m²]	1,6076e-03	5,3156e-04	
A_L [m²/m], A_D [m²/m]	5,6100e-01	5,6130e-01	
I_y [m⁴], I_z [m⁴]	3,4900e-06	1,3400e-06	
i_y [mm], i_z [mm]	41	25	
$W_{el.y}$ [m³], $W_{el.z}$ [m³]	7,2800e-05	2,6800e-05	
$W_{pl.y}$ [m³], $W_{pl.z}$ [m³]	8,2917e-05	4,1125e-05	
$M_{pl.y.+}$ [Nm], $M_{pl.y.-}$ [Nm]	1,95e+04	1,95e+04	
$M_{pl.z.+}$ [Nm], $M_{pl.z.-}$ [Nm]	9,67e+03	9,67e+03	
CS16			
Detailed	300; 200		
Item material	C25/30		
Fabrication	concrete		
A [m²]	6,0000e-02		
A_y [m²], A_z [m²]	5,0078e-02	5,0035e-02	
A_L [m²/m], A_D [m²/m]	1,0000e+00	1,0000e+00	
I_y [m⁴], I_z [m⁴]	4,5000e-04	2,0000e-04	
i_y [mm], i_z [mm]	87	58	
$W_{el.y}$ [m³], $W_{el.z}$ [m³]	3,0000e-03	2,0000e-03	
CS17			
Detailed	200; 200		
Item material	C25/30		
Fabrication	concrete		
A [m²]	4,0000e-02		
A_y [m²], A_z [m²]	3,3385e-02	3,3385e-02	
A_L [m²/m], A_D [m²/m]	8,0000e-01	8,0000e-01	
I_y [m⁴], I_z [m⁴]	1,3333e-04	1,3333e-04	
i_y [mm], i_z [mm]	58	58	
$W_{el.y}$ [m³], $W_{el.z}$ [m³]	1,3333e-03	1,3333e-03	

CS18			
Detailed	600; 500		
Item material	C25/30		
Fabrication	concrete		
A [m²]	3,0000e-01		
A_y [m²], A_z [m²]	2,5034e-01	2,5024e-01	
A_L [m²/m], A_D [m²/m]	2,2000e+00	2,2000e+00	
$c_{Y,UCS}$ [mm], $c_{Z,UCS}$ [mm]	250	300	
I_y [m⁴], I_z [m⁴]	9,0000e-03	6,2500e-03	
i_y [mm], i_z [mm]	173	144	
$W_{el,y}$ [m³], $W_{el,z}$ [m³]	3,0000e-02	2,5000e-02	
CS19			
Detailed	800; 500		
Item material	C25/30		
Fabrication	concrete		
A [m²]	4,0000e-01		
A_y [m²], A_z [m²]	3,3391e-01	3,3356e-01	
A_L [m²/m], A_D [m²/m]	2,6000e+00	2,6000e+00	
$c_{Y,UCS}$ [mm], $c_{Z,UCS}$ [mm]	250	400	
I_y [m⁴], I_z [m⁴]	2,1333e-02	8,3333e-03	
i_y [mm], i_z [mm]	231	144	
$W_{el,y}$ [m³], $W_{el,z}$ [m³]	5,3333e-02	3,3333e-02	
CS20			
Detailed	300; 500		
Item material	C25/30		
Fabrication	concrete		
A [m²]	1,5000e-01		
A_y [m²], A_z [m²]	1,2509e-01	1,2524e-01	
A_L [m²/m], A_D [m²/m]	1,6000e+00	1,6000e+00	
$c_{Y,UCS}$ [mm], $c_{Z,UCS}$ [mm]	250	150	
I_y [m⁴], I_z [m⁴]	1,1250e-03	3,1250e-03	
i_y [mm], i_z [mm]	87	144	
$W_{el,y}$ [m³], $W_{el,z}$ [m³]	7,5000e-03	1,2500e-02	
CS21			
Detailed	800; 600		
Item material	C25/30		
Fabrication	concrete		
A [m²]	4,8000e-01		
A_y [m²], A_z [m²]	4,0063e-01	4,0036e-01	
A_L [m²/m], A_D [m²/m]	2,8000e+00	2,8000e+00	
$c_{Y,UCS}$ [mm], $c_{Z,UCS}$ [mm]	300	400	
I_y [m⁴], I_z [m⁴]	2,5600e-02	1,4400e-02	
i_y [mm], i_z [mm]	231	173	
$W_{el,y}$ [m³], $W_{el,z}$ [m³]	6,4000e-02	4,8000e-02	

1.3 ELEMENTI – 1D

Name	Cross-section	Material	Length [m]	Beg. node	End node	Type
B1	CS1 - Rectangle (320; 200)	C25/30	3,160	N121	N120	beam (80)
B4	CS1 - Rectangle (320; 200)	C25/30	3,160	N197	N196	beam (80)
B5	CS1 - Rectangle (320; 200)	C25/30	3,160	N219	N218	beam (80)
B6	CS1 - Rectangle (320; 200)	C25/30	3,160	N794	N240	beam (80)
B7	CS1 - Rectangle (320; 200)	C25/30	3,160	N796	N262	beam (80)
B11	CS17 - Rectangle (200; 200)	C25/30	3,160	N157	N154	beam (80)
B12	CS17 - Rectangle (200; 200)	C25/30	3,160	N153	N152	beam (80)
B17	CS17 - Rectangle (200; 200)	C25/30	3,160	N273	N270	beam (80)
B18	CS17 - Rectangle (200; 200)	C25/30	3,160	N269	N268	beam (80)
B23	CS17 - Rectangle (200; 200)	C25/30	3,160	N295	N292	beam (80)
B24	CS17 - Rectangle (200; 200)	C25/30	3,160	N291	N290	beam (80)
B29	CS17 - Rectangle (200; 200)	C25/30	3,160	N317	N314	beam (80)
B30	CS17 - Rectangle (200; 200)	C25/30	3,160	N313	N312	beam (80)
B31	CS1 - Rectangle (320; 200)	C25/30	3,160	N795	N345	beam (80)
B32	CS17 - Rectangle (200; 200)	C25/30	3,160	N360	N357	beam (80)
B33	CS17 - Rectangle (200; 200)	C25/30	3,160	N359	N358	beam (80)
B34	CS1 - Rectangle (320; 200)	C25/30	3,160	N797	N382	beam (80)

Name	Cross-section	Material	Length [m]	Beg. node	End node	Type
B35	CS13 - Rectangle (200; 200)	C25/30	3,160	N415	N416	column (100)
B36	CS13 - Rectangle (200; 200)	C25/30	3,160	N417	N418	column (100)
B37	CS13 - Rectangle (200; 200)	C25/30	3,160	N419	N420	column (100)
B38	CS13 - Rectangle (200; 200)	C25/30	3,160	N421	N422	column (100)
B39	CS13 - Rectangle (200; 200)	C25/30	3,160	N423	N424	column (100)
B40	CS13 - Rectangle (200; 200)	C25/30	3,160	N425	N426	column (100)
B41	CS13 - Rectangle (200; 200)	C25/30	3,160	N427	N428	column (100)
B42	CS13 - Rectangle (200; 200)	C25/30	3,160	N429	N430	column (100)
B43	CS13 - Rectangle (200; 200)	C25/30	3,160	N431	N432	column (100)
B44	CS13 - Rectangle (200; 200)	C25/30	3,160	N433	N434	column (100)
B45	CS13 - Rectangle (200; 200)	C25/30	3,160	N435	N436	column (100)
B46	CS13 - Rectangle (200; 200)	C25/30	3,160	N437	N438	column (100)
B47	CS13 - Rectangle (200; 200)	C25/30	3,160	N439	N440	column (100)
B48	CS13 - Rectangle (200; 200)	C25/30	3,160	N441	N442	column (100)
B49	CS13 - Rectangle (200; 200)	C25/30	3,160	N443	N444	column (100)
B50	CS13 - Rectangle (200; 200)	C25/30	3,160	N445	N727	column (100)
B51	CS13 - Rectangle (200; 200)	C25/30	3,760	N447	N720	column (100)
B52	CS13 - Rectangle (200; 200)	C25/30	3,760	N449	N686	column (100)
B53	CS13 - Rectangle (200; 200)	C25/30	3,760	N451	N690	column (100)
B54	CS13 - Rectangle (200; 200)	C25/30	3,760	N453	N693	column (100)
B55	CS13 - Rectangle (200; 200)	C25/30	3,760	N455	N696	column (100)
B56	CS13 - Rectangle (200; 200)	C25/30	3,760	N457	N699	column (100)
B57	CS13 - Rectangle (200; 200)	C25/30	3,760	N459	N702	column (100)
B58	CS13 - Rectangle (200; 200)	C25/30	3,760	N461	N705	column (100)
B59	CS13 - Rectangle (200; 200)	C25/30	3,760	N463	N708	column (100)
B60	CS13 - Rectangle (200; 200)	C25/30	3,760	N465	N711	column (100)
B61	CS13 - Rectangle (200; 200)	C25/30	3,760	N467	N714	column (100)
B62	CS13 - Rectangle (200; 200)	C25/30	3,760	N469	N717	column (100)
B63	CS3 - Rectangle (800; 200)	C25/30	3,160	N875	N472	column (100)
B64	CS3 - Rectangle (800; 200)	C25/30	3,160	N473	N474	column (100)
B65	CS4 - Rectangle (600; 200)	C25/30	3,160	N873	N476	column (100)
B66	CS4 - Rectangle (600; 200)	C25/30	3,160	N477	N478	column (100)
B67	CS4 - Rectangle (600; 200)	C25/30	3,160	N479	N480	column (100)
B68	CS3 - Rectangle (800; 200)	C25/30	3,160	N481	N484	column (100)
B70	CS6 - Rectangle (600; 250)	C25/30	0,620	N5	N43	plate rib (92)
B71	CS6 - Rectangle (600; 250)	C25/30	9,520	N5	N71	plate rib (92)
B72	CS6 - Rectangle (600; 250)	C25/30	9,520	N75	N507	plate rib (92)
B73	CS7 - Rectangle (300; 650)	C25/30	1,075	N535	N518	beam (80)
B74	CS7 - Rectangle (300; 650)	C25/30	0,800	N518	N522	beam (80)
B75	CS7 - Rectangle (300; 650)	C25/30	1,200	N522	N521	beam (80)
B76	CS7 - Rectangle (300; 650)	C25/30	0,800	N521	N525	beam (80)
B77	CS7 - Rectangle (300; 650)	C25/30	1,200	N525	N524	beam (80)
B78	CS7 - Rectangle (300; 650)	C25/30	0,800	N524	N528	beam (80)
B79	CS7 - Rectangle (300; 650)	C25/30	1,200	N528	N527	beam (80)
B80	CS7 - Rectangle (300; 650)	C25/30	0,800	N527	N531	beam (80)
B81	CS7 - Rectangle (300; 650)	C25/30	1,200	N531	N530	beam (80)
B82	CS7 - Rectangle (300; 650)	C25/30	0,800	N530	N534	beam (80)
B83	CS7 - Rectangle (300; 650)	C25/30	1,200	N534	N533	beam (80)
B84	CS20 - Rectangle (300; 500)	C25/30	0,670	N533	N532	beam (80)
B85	CS7 - Rectangle (300; 650)	C25/30	1,075	N557	N540	beam (80)
B86	CS7 - Rectangle (300; 650)	C25/30	0,800	N540	N542	beam (80)
B87	CS7 - Rectangle (300; 650)	C25/30	1,200	N542	N541	beam (80)
B88	CS7 - Rectangle (300; 650)	C25/30	0,800	N541	N544	beam (80)
B89	CS7 - Rectangle (300; 650)	C25/30	1,200	N544	N543	beam (80)
B90	CS7 - Rectangle (300; 650)	C25/30	0,800	N543	N546	beam (80)
B91	CS7 - Rectangle (300; 650)	C25/30	1,200	N546	N545	beam (80)
B92	CS7 - Rectangle (300; 650)	C25/30	0,800	N545	N548	beam (80)
B93	CS7 - Rectangle (300; 650)	C25/30	1,200	N548	N547	beam (80)
B94	CS7 - Rectangle (300; 650)	C25/30	0,800	N547	N550	beam (80)
B95	CS7 - Rectangle (300; 650)	C25/30	1,200	N550	N549	beam (80)
B96	CS20 - Rectangle (300; 500)	C25/30	0,670	N549	N556	beam (80)
B97	CS18 - Rectangle (600; 500)	C25/30	6,055	N405	N414	plate rib (92)
B98	CS8 - Rectangle (620; 500)	C25/30	9,715	N559	N412	plate rib (92)
B99	CS8 - Rectangle (620; 500)	C25/30	3,889	N412	N410	plate rib (92)
B100	CS7 - Rectangle (300; 650)	C25/30	0,480	N565	N564	beam (80)
B101	CS7 - Rectangle (300; 650)	C25/30	1,075	N589	N567	beam (80)

Name	Cross-section	Material	Length [m]	Beg. node	End node	Type
B102	CS7 - Rectangle (300; 650)	C25/30	0,800	N567	N569	beam (80)
B103	CS7 - Rectangle (300; 650)	C25/30	1,200	N569	N568	beam (80)
B104	CS7 - Rectangle (300; 650)	C25/30	0,800	N568	N571	beam (80)
B105	CS7 - Rectangle (300; 650)	C25/30	1,200	N571	N570	beam (80)
B106	CS7 - Rectangle (300; 650)	C25/30	0,800	N570	N572	beam (80)
B107	CS7 - Rectangle (300; 650)	C25/30	1,200	N572	N579	beam (80)
B108	CS7 - Rectangle (300; 650)	C25/30	1,075	N595	N573	beam (80)
B109	CS7 - Rectangle (300; 650)	C25/30	0,800	N573	N575	beam (80)
B110	CS7 - Rectangle (300; 650)	C25/30	1,200	N575	N574	beam (80)
B111	CS7 - Rectangle (300; 650)	C25/30	0,800	N574	N577	beam (80)
B112	CS7 - Rectangle (300; 650)	C25/30	1,200	N577	N576	beam (80)
B113	CS7 - Rectangle (300; 650)	C25/30	0,800	N576	N578	beam (80)
B114	CS7 - Rectangle (300; 650)	C25/30	1,200	N578	N583	beam (80)
B115	CS7 - Rectangle (300; 650)	C25/30	0,800	N579	N581	beam (80)
B116	CS7 - Rectangle (300; 650)	C25/30	1,200	N581	N580	beam (80)
B117	CS7 - Rectangle (300; 650)	C25/30	0,800	N580	N582	beam (80)
B118	CS7 - Rectangle (300; 650)	C25/30	1,200	N582	N587	beam (80)
B119	CS7 - Rectangle (300; 650)	C25/30	0,800	N583	N585	beam (80)
B120	CS7 - Rectangle (300; 650)	C25/30	1,200	N585	N584	beam (80)
B121	CS7 - Rectangle (300; 650)	C25/30	0,800	N584	N586	beam (80)
B122	CS7 - Rectangle (300; 650)	C25/30	1,200	N586	N588	beam (80)
B123	CS20 - Rectangle (300; 500)	C25/30	0,670	N587	N605	beam (80)
B124	CS20 - Rectangle (300; 500)	C25/30	0,670	N588	N606	beam (80)
B128	CS8 - Rectangle (620; 500)	C25/30	2,835	N831	N623	plate rib (92)
B129	CS5 - Rectangle (500; 1150)	C25/30	23,720	N625	N492	plate rib (92)
B130	CS8 - Rectangle (620; 500)	C25/30	2,935	N492	N877	plate rib (92)
B133	CS9 - Rectangle (300; 500)	C25/30	20,850	N4	N8	plate rib (92)
B134	CS9 - Rectangle (300; 500)	C25/30	10,000	N8	N81	plate rib (92)
B135	CS9 - Rectangle (300; 500)	C25/30	20,850	N10	N18	plate rib (92)
B136	CS9 - Rectangle (300; 500)	C25/30	10,000	N58	N4	plate rib (92)
B137	CS9 - Rectangle (300; 500)	C25/30	11,650	N22	N32	plate rib (92)
B138	CS9 - Rectangle (300; 500)	C25/30	9,520	N792	N793	plate rib (92)
B139	CS9 - Rectangle (300; 500)	C25/30	9,520	N6	N790	plate rib (92)
B140	CS9 - Rectangle (300; 500)	C25/30	9,520	N786	N633	plate rib (92)
B141	CS9 - Rectangle (300; 500)	C25/30	7,140	N24	N16	plate rib (92)
B142	CS9 - Rectangle (300; 500)	C25/30	7,140	N34	N14	plate rib (92)
B143	CS9 - Rectangle (300; 500)	C25/30	6,990	N20	N30	plate rib (92)
B144	CS9 - Rectangle (300; 500)	C25/30	2,850	N36	N42	plate rib (92)
B145	CS9 - Rectangle (300; 500)	C25/30	0,480	N786	N77	plate rib (92)
B146	CS9 - Rectangle (300; 500)	C25/30	0,480	N790	N73	plate rib (92)
B147	CS9 - Rectangle (300; 500)	C25/30	0,480	N793	N69	plate rib (92)
B148	CS9 - Rectangle (300; 500)	C25/30	0,480	N14	N65	plate rib (92)
B149	CS9 - Rectangle (300; 500)	C25/30	0,480	N788	N61	plate rib (92)
B150	CS10 - Rectangle (500; 200)	C25/30	13,720	N498	N480	plate rib (92)
B151	CS10 - Rectangle (500; 200)	C25/30	13,720	N864	N865	plate rib (92)
B153	CS10 - Rectangle (500; 200)	C25/30	10,705	N493	N498	plate rib (92)
B154	CS10 - Rectangle (500; 200)	C25/30	13,720	N650	N651	plate rib (92)
B155	CS10 - Rectangle (500; 200)	C25/30	10,705	N644	N480	plate rib (92)
B156	CS10 - Rectangle (500; 200)	C25/30	3,535	N474	N484	plate rib (92)
B159	CS10 - Rectangle (500; 200)	C25/30	21,050	N921	N436	plate rib (92)
B161	CS10 - Rectangle (500; 200)	C25/30	16,883	N395	N400	plate rib (92)
B163	CS10 - Rectangle (500; 200)	C25/30	16,883	N657	N436	plate rib (92)
B165	CS10 - Rectangle (500; 200)	C25/30	9,880	N400	N657	plate rib (92)
B166	CS10 - Rectangle (500; 200)	C25/30	9,880	N659	N438	plate rib (92)
B170	CS10 - Rectangle (500; 200)	C25/30	3,535	N681	N683	plate rib (92)
B173	CS15 - HEA100	S 235	0,600	N742	N743	beam (80)
B174	CS15 - HEA100	S 235	0,600	N744	N745	beam (80)
B176	CS15 - HEA100	S 235	0,600	N746	N747	beam (80)
B178	CS15 - HEA100	S 235	0,600	N748	N749	beam (80)
B180	CS15 - HEA100	S 235	0,600	N750	N751	beam (80)
B182	CS15 - HEA100	S 235	0,600	N752	N753	beam (80)
B184	CS15 - HEA100	S 235	0,600	N754	N755	beam (80)
B186	CS15 - HEA100	S 235	0,600	N756	N757	beam (80)
B188	CS15 - HEA100	S 235	0,600	N758	N759	beam (80)
B190	CS15 - HEA100	S 235	0,600	N760	N761	beam (80)
B192	CS15 - HEA100	S 235	0,600	N762	N763	beam (80)

Name	Cross-section	Material	Length [m]	Beg. node	End node	Type
B194	CS15 - HEA100	S 235	0,600	N764	N728	beam (80)
B196	CS2 - Rectangle (250; 250)	C25/30	2,935	N721	N722	beam (80)
B250	CS8 - Rectangle (620; 500)	C25/30	2,878	N835	N475	plate rib (92)
B251	CS8 - Rectangle (620; 500)	C25/30	2,925	N836	N471	plate rib (92)
B269	CS8 - Rectangle (620; 500)	C25/30	9,520	N405	N410	plate rib (92)
B270	CS16 - Rectangle (300; 200)	C25/30	1,680	N43	N45	plate rib (92)
B271	CS16 - Rectangle (300; 200)	C25/30	2,300	N507	N49	plate rib (92)
B272	CS16 - Rectangle (300; 200)	C25/30	1,848	N46	N71	plate rib (92)
B273	CS16 - Rectangle (300; 200)	C25/30	1,848	N50	N75	plate rib (92)
B274	CS17 - Rectangle (200; 200)	C25/30	3,160	N137	N134	beam (80)
B275	CS3 - Rectangle (800; 200)	C25/30	3,160	N855	N856	column (100)
B276	CS4 - Rectangle (600; 200)	C25/30	3,160	N857	N858	column (100)
B277	CS17 - Rectangle (200; 200)	C25/30	3,160	N880	N881	column (100)
B278	CS17 - Rectangle (200; 200)	C25/30	3,160	N838	N650	column (100)
B279	CS10 - Rectangle (500; 200)	C25/30	13,720	N881	N883	plate rib (92)
B280	CS10 - Rectangle (500; 200)	C25/30	3,535	N884	N668	plate rib (92)
B281	CS10 - Rectangle (500; 200)	C25/30	4,900	N890	N892	plate rib (92)
B282	CS10 - Rectangle (500; 200)	C25/30	4,900	N892	N891	plate rib (92)
B283	CS10 - Rectangle (500; 200)	C25/30	9,880	N919	N920	plate rib (92)
B285	CS10 - Rectangle (500; 200)	C25/30	21,050	N913	N395	plate rib (92)
B286	CS10 - Rectangle (500; 200)	C25/30	9,880	N923	N912	plate rib (92)
B287	CS10 - Rectangle (500; 200)	C25/30	16,331	N917	N480	plate rib (92)
B288	CS10 - Rectangle (500; 200)	C25/30	27,136	N926	N927	plate rib (92)
B289	CS10 - Rectangle (500; 200)	C25/30	9,880	N651	N928	plate rib (92)
B290	CS19 - Rectangle (800; 500)	C25/30	2,683	N532	N401	beam (80)
B291	CS19 - Rectangle (800; 500)	C25/30	9,520	N401	N391	beam (80)
B292	CS19 - Rectangle (800; 500)	C25/30	2,683	N391	N556	beam (80)
B293	CS21 - Rectangle (800; 600)	C25/30	9,520	N383	N929	beam (80)
B294	CS19 - Rectangle (800; 500)	C25/30	4,399	N378	N930	beam (80)
B295	CS19 - Rectangle (800; 500)	C25/30	4,399	N380	N800	beam (80)
B296	CS19 - Rectangle (800; 500)	C25/30	2,100	N376	N375	beam (80)
B297	CS21 - Rectangle (800; 600)	C25/30	0,860	N932	N933	beam (80)
B298	CS21 - Rectangle (800; 600)	C25/30	9,520	N933	N934	beam (80)
B299	CS21 - Rectangle (800; 600)	C25/30	0,860	N935	N936	beam (80)
B300	CS21 - Rectangle (800; 600)	C25/30	9,520	N936	N937	beam (80)
B301	CS21 - Rectangle (800; 600)	C25/30	0,860	N938	N939	beam (80)
B302	CS21 - Rectangle (800; 600)	C25/30	9,520	N939	N940	beam (80)
B303	CS19 - Rectangle (800; 500)	C25/30	4,401	N217	N21	beam (80)
B304	CS19 - Rectangle (800; 500)	C25/30	4,401	N211	N19	beam (80)
B305	CS19 - Rectangle (800; 500)	C25/30	2,100	N213	N215	beam (80)
B306	CS19 - Rectangle (800; 500)	C25/30	8,800	N195	N217	beam (80)
B307	CS19 - Rectangle (800; 500)	C25/30	8,800	N189	N211	beam (80)
B308	CS19 - Rectangle (800; 500)	C25/30	6,001	N936	N606	beam (80)
B309	CS19 - Rectangle (800; 500)	C25/30	2,520	N267	N269	beam (80)
B310	CS19 - Rectangle (800; 500)	C25/30	0,600	N269	N273	beam (80)
B311	CS19 - Rectangle (800; 500)	C25/30	2,520	N273	N272	beam (80)
B312	CS19 - Rectangle (800; 500)	C25/30	2,100	N280	N944	beam (80)
B313	CS19 - Rectangle (800; 500)	C25/30	8,800	N119	N195	beam (80)
B314	CS19 - Rectangle (800; 500)	C25/30	8,800	N113	N189	beam (80)
B315	CS19 - Rectangle (800; 500)	C25/30	2,100	N187	N186	beam (80)
B316	CS19 - Rectangle (800; 500)	C25/30	8,800	N939	N936	beam (80)
B317	CS19 - Rectangle (800; 500)	C25/30	2,520	N151	N153	beam (80)
B318	CS19 - Rectangle (800; 500)	C25/30	0,600	N153	N157	beam (80)
B319	CS19 - Rectangle (800; 500)	C25/30	2,520	N157	N156	beam (80)
B320	CS19 - Rectangle (800; 500)	C25/30	2,100	N164	N950	beam (80)
B321	CS19 - Rectangle (800; 500)	C25/30	2,100	N115	N117	beam (80)
B322	CS19 - Rectangle (800; 500)	C25/30	2,100	N191	N193	beam (80)
B323	CS19 - Rectangle (800; 500)	C25/30	2,100	N208	N209	beam (80)
B324	CS19 - Rectangle (800; 500)	C25/30	26,986	N969	N605	beam (80)
B325	CS21 - Rectangle (800; 600)	C25/30	0,860	N951	N284	beam (80)
B326	CS21 - Rectangle (800; 600)	C25/30	0,860	N953	N167	beam (80)
B327	CS21 - Rectangle (800; 600)	C25/30	0,860	N955	N144	beam (80)
B328	CS21 - Rectangle (800; 600)	C25/30	0,860	N956	N957	beam (80)
B329	CS19 - Rectangle (800; 500)	C25/30	10,605	N838	N499	beam (80)
B330	CS21 - Rectangle (800; 600)	C25/30	13,720	N499	N479	beam (80)
B331	CS19 - Rectangle (800; 500)	C25/30	12,185	N958	N939	beam (80)

Name	Cross-section	Material	Length [m]	Beg. node	End node	Type
B332	CS19 - Rectangle (800; 500)	C25/30	23,240	N958	N838	beam (80)
B333	CS19 - Rectangle (800; 500)	C25/30	0,860	N961	N958	beam (80)
B334	CS21 - Rectangle (800; 600)	C25/30	2,520	N139	N137	beam (80)
B335	CS21 - Rectangle (800; 600)	C25/30	2,538	N137	N128	beam (80)
B336	CS21 - Rectangle (800; 600)	C25/30	4,480	N128	N962	beam (80)
B337	CS21 - Rectangle (800; 600)	C25/30	4,400	N113	N128	beam (80)
B338	CS21 - Rectangle (800; 600)	C25/30	4,400	N119	N963	beam (80)
B339	CS21 - Rectangle (800; 600)	C25/30	2,100	N110	N111	beam (80)
B340	CS21 - Rectangle (800; 600)	C25/30	13,720	N966	N967	beam (80)
B341	CS21 - Rectangle (800; 600)	C25/30	13,720	N880	N968	beam (80)
B342	CS19 - Rectangle (800; 500)	C25/30	3,535	N481	N473	beam (80)
B343	CS19 - Rectangle (800; 500)	C25/30	3,535	N473	N855	beam (80)
B344	CS19 - Rectangle (800; 500)	C25/30	3,535	N855	N875	beam (80)
B345	CS19 - Rectangle (800; 500)	C25/30	5,040	N316	N970	beam (80)
B346	CS19 - Rectangle (800; 500)	C25/30	0,299	N317	N829	beam (80)
B347	CS19 - Rectangle (800; 500)	C25/30	5,040	N289	N972	beam (80)
B348	CS19 - Rectangle (800; 500)	C25/30	0,301	N291	N828	beam (80)
B349	CS11 - Rectangle (155; 200)	C25/30	23,600	N720	N1107	plate rib (92)
B350	CS11 - Rectangle (155; 200)	C25/30	2,835	N720	N764	plate rib (92)
B351	CS11 - Rectangle (155; 200)	C25/30	23,600	N722	N764	plate rib (92)

1.4 ELEMENTI – 2D

Name	Layer	Type	Element type	Material	Thickness type	Th. [mm]
S1	KLET	wall (80)	Standard	C25/30	constant	250
S4	KLET	wall (80)	Standard	C25/30	constant	250
S5	KLET	wall (80)	Standard	C25/30	constant	250
S9	KLET	wall (80)	Standard	C25/30	constant	250
S10	KLET	wall (80)	Standard	C25/30	constant	250
S11	KLET	wall (80)	Standard	C25/30	constant	250
S12	KLET	wall (80)	Standard	C25/30	constant	250
S13	KLET	wall (80)	Standard	C25/30	constant	250
S14	KLET	wall (80)	Standard	C25/30	constant	250
S15	KLET	wall (80)	Standard	C25/30	constant	250
S16	KLET	wall (80)	Standard	C25/30	constant	250
S17	KLET	wall (80)	Standard	C25/30	constant	250
S19	KLET	wall (80)	Standard	C25/30	constant	250
S20	KLET	wall (80)	Standard	C25/30	constant	250
S21	KLET	wall (80)	Standard	C25/30	constant	200
S22	KLET	wall (80)	Standard	C25/30	constant	200
S23	KLET	wall (80)	Standard	C25/30	constant	200
S24	KLET	wall (80)	Standard	C25/30	constant	250
S25	KLET	wall (80)	Standard	C25/30	constant	250
S26	KLET	wall (80)	Standard	C25/30	constant	250
S27	KLET	wall (80)	Standard	C25/30	constant	250
S28	KLET	wall (80)	Standard	C25/30	constant	250
S29	KLET	wall (80)	Standard	C25/30	constant	250
S30	KLET	wall (80)	Standard	C25/30	constant	250
S31	KLET	wall (80)	Standard	C25/30	constant	250
S32	TEM-PL1	plate (90)	Standard	C25/30	constant	300
S33	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S34	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S35	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S36	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S37	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S38	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S39	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S41	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S42	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S44	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S45	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S47	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S48	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S49	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S50	PRITLIČJE	wall (80)	Standard	C25/30	constant	200

Name	Layer	Type	Element type	Material	Thickness type	Th. [mm]
S51	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S52	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S54	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S55	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S56	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S57	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S58	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S60	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S61	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S62	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S63	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S64	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S65	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S67	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S68	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S69	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S70	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S71	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S72	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S74	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S75	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S76	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S77	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S78	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S79	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S81	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S82	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S83	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S84	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S85	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S86	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S87	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S89	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S90	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S91	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S92	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S93	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S94	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S96	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S97	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S98	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S99	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S100	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S101	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S103	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S104	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S105	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S106	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S107	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S108	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S109	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S110	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S111	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S112	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S113	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S114	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S115	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S116	PRITLIČJE	wall (80)	Standard	Masonry		200
S117	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S118	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S119	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S120	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S121	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S124	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S125	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S126	PRITLIČJE	wall (80)	Standard	C25/30	constant	200

Name	Layer	Type	Element type	Material	Thickness type	Th. [mm]
S127	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S128	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S129	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S130	TEM-PL2	plate (90)	Standard	C25/30	constant	200
S131	TEM-PL2	plate (90)	Standard	C25/30	constant	200
S132	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S133	KLET	wall (80)	Standard	C25/30	constant	250
S134	KLET	wall (80)	Standard	C25/30	constant	250
S135	KLET	wall (80)	Standard	C25/30	constant	250
S136	KLET	wall (80)	Standard	C25/30	constant	250
S137	KLET	wall (80)	Standard	C25/30	constant	250
S138	KLET	wall (80)	Standard	C25/30	constant	250
S139	TEM-PL2	plate (90)	Standard	C25/30	constant	200
S140	KLET	wall (80)	Standard	C25/30	constant	250
S141	KLET	wall (80)	Standard	C25/30	constant	250
S142	KLET	wall (80)	Standard	C25/30	constant	250
S143	KLET	wall (80)	Standard	C25/30	constant	250
S144	KLET	wall (80)	Standard	C25/30	constant	250
S145	KLET	wall (80)	Standard	C25/30	constant	250
S146	KLET	wall (80)	Standard	C25/30	constant	250
S147	KLET	wall (80)	Standard	C25/30	constant	250
S148	KLET	wall (80)	Standard	C25/30	constant	250
S149	KLET	wall (80)	Standard	C25/30	constant	250
S150	KLET	wall (80)	Standard	C25/30	constant	250
S151	KLET	wall (80)	Standard	C25/30	constant	250
S152	KLET	wall (80)	Standard	C25/30	constant	250
S153	KLET	wall (80)	Standard	C25/30	constant	250
S154	KLET	wall (80)	Standard	C25/30	constant	250
S155	KLET	wall (80)	Standard	C25/30	constant	250
S156	KLET	wall (80)	Standard	C25/30	constant	250
S157	KLET	wall (80)	Standard	C25/30	constant	250
S158	KLET	wall (80)	Standard	C25/30	constant	250
S160	TEM-PL2	plate (90)	Standard	C25/30	constant	200
S161	STREHA	plate (90)	Standard	C25/30	constant	200
S162	STREHA	plate (90)	Standard	C25/30	constant	200
S163	STREHA	plate (90)	Standard	C25/30	constant	200
S166	KLET	wall (80)	Standard	C25/30	constant	250
S165	KLET	wall (80)	Standard	C25/30	constant	250
S167	PRITLIČJE	wall (80)	Standard	C25/30	constant	200
S168	PRITLIČJE	wall (80)	Masonry orthotropic	Masonry		200
S169	STREHA	plate (90)	Standard	C25/30	constant	200
S170	STREHA	plate (90)	Standard	C25/30	constant	155

1.5 PODPORE

Podpore 2D elementov

Name	Type	Subsoil	2D member
SS1	Individual	Clay/Clean/Moderate - NEN 6740	S32
SS2	Individual	Clay/Clean/Moderate - NEN 6740	S160
SS3	Individual	Clay/Clean/Moderate - NEN 6740	S139

Podpore 2D elementov

Name	C1x [MN/m³]	C1z	C1y [MN/m³]	Stiffness [MN/m³]	C2x [MN/m]	C2y [MN/m]
Clay/Clean/Moderate	1,5000e+00	Flexible	1,5000e+00	1,5000e+01	0,0000e+00	0,0000e+00

Linijske podpore

Name	Type	Member System	Pos x_1 Pos x_2	Coor Orig
Slb1	Foundation strip	B118	0.000	Rela
		LCS	1.000	From start
Slb2	Foundation strip	B122	0.000	Rela
		LCS	1.000	From start
Slb3	Foundation strip	B116	0.000	Rela
		LCS	1.000	From start

Name	Type	Member System	Pos x_1 Pos x_2	Coor Orig
Slb57	Foundation strip	B303	0.000	Rela
		LCS	1.000	From start
Slb58	Foundation strip	B304	0.000	Rela
		LCS	1.000	From start
Slb59	Foundation strip	B305	0.000	Rela
		LCS	1.000	From start

Name	Type	Member	Pos x_1	Coor
		System	Pos x_2	Orig
Slb4	Foundation strip	B120	0.000	Rela
		LCS	1.000	From start
Slb5	Foundation strip	B107	0.000	Rela
		LCS	1.000	From start
Slb6	Foundation strip	B114	0.000	Rela
		LCS	1.000	From start
Slb7	Foundation strip	B105	0.000	Rela
		LCS	1.000	From start
Slb8	Foundation strip	B112	0.000	Rela
		LCS	1.000	From start
Slb9	Foundation strip	B103	0.000	Rela
		LCS	1.000	From start
Slb10	Foundation strip	B110	0.000	Rela
		LCS	1.000	From start
Slb11	Foundation strip	B101	0.000	Rela
		LCS	1.000	From start
Slb12	Foundation strip	B108	0.000	Rela
		LCS	1.000	From start
Slb13	Foundation strip	B73	0.000	Rela
		LCS	1.000	From start
Slb14	Foundation strip	B85	0.000	Rela
		LCS	1.000	From start
Slb15	Foundation strip	B75	0.000	Rela
		LCS	1.000	From start
Slb16	Foundation strip	B87	0.000	Rela
		LCS	1.000	From start
Slb17	Foundation strip	B77	0.000	Rela
		LCS	1.000	From start
Slb18	Foundation strip	B89	0.000	Rela
		LCS	1.000	From start
Slb19	Foundation strip	B79	0.000	Rela
		LCS	1.000	From start
Slb20	Foundation strip	B91	0.000	Rela
		LCS	1.000	From start
Slb21	Foundation strip	B100	0.000	Rela
		LCS	1.000	From start
Slb22	Foundation strip	B81	0.000	Rela
		LCS	1.000	From start
Slb23	Foundation strip	B93	0.000	Rela
		LCS	1.000	From start
Slb24	Foundation strip	B83	0.000	Rela
		LCS	1.000	From start
Slb25	Foundation strip	B95	0.000	Rela
		LCS	1.000	From start
Slb28	Foundation strip	B129	0.000	Rela
		LCS	1.000	From start
Slb29	Foundation strip	B128	0.000	Rela
		LCS	1.000	From start
Slb30	Foundation strip	B97	0.000	Rela
		LCS	1.000	From start
Slb31	Foundation strip	B98	0.000	Rela
		LCS	1.000	From start
Slb32	Foundation strip	B99	0.000	Rela
		LCS	1.000	From start
Slb33	Foundation strip	B130	0.000	Rela
		LCS	1.000	From start
Slb35	Foundation strip	B250	0.000	Rela
		LCS	1.000	From start
Slb36	Foundation strip	B251	0.000	Rela
		LCS	1.000	From start
Slb44	Foundation strip	B269	0.000	Rela
		LCS	1.000	From start
Slb34	Foundation strip	B290	0.000	Rela
		LCS	1.000	From start
Slb45	Foundation strip	B291	0.000	Rela
		LCS	1.000	From start

Name	Type	Member	Pos x_1	Coor
		System	Pos x_2	Orig
Slb60	Foundation strip	B306	0.000	Rela
		LCS	1.000	From start
Slb61	Foundation strip	B307	0.000	Rela
		LCS	1.000	From start
Slb62	Foundation strip	B308	0.000	Rela
		LCS	1.000	From start
Slb63	Foundation strip	B309	0.000	Rela
		LCS	1.000	From start
Slb64	Foundation strip	B310	0.000	Rela
		LCS	1.000	From start
Slb65	Foundation strip	B311	0.000	Rela
		LCS	1.000	From start
Slb66	Foundation strip	B312	0.000	Rela
		LCS	1.000	From start
Slb67	Foundation strip	B313	0.000	Rela
		LCS	1.000	From start
Slb68	Foundation strip	B314	0.000	Rela
		LCS	1.000	From start
Slb69	Foundation strip	B315	0.000	Rela
		LCS	1.000	From start
Slb70	Foundation strip	B316	0.000	Rela
		LCS	1.000	From start
Slb71	Foundation strip	B317	0.000	Rela
		LCS	1.000	From start
Slb72	Foundation strip	B318	0.000	Rela
		LCS	1.000	From start
Slb73	Foundation strip	B319	0.000	Rela
		LCS	1.000	From start
Slb74	Foundation strip	B320	0.000	Rela
		LCS	1.000	From start
Slb75	Foundation strip	B321	0.000	Rela
		LCS	1.000	From start
Slb76	Foundation strip	B322	0.000	Rela
		LCS	1.000	From start
Slb77	Foundation strip	B323	0.000	Rela
		LCS	1.000	From start
Slb78	Foundation strip	B324	0.000	Rela
		LCS	1.000	From start
Slb79	Foundation strip	B325	0.000	Rela
		LCS	1.000	From start
Slb80	Foundation strip	B326	0.000	Rela
		LCS	1.000	From start
Slb81	Foundation strip	B327	0.000	Rela
		LCS	1.000	From start
Slb82	Foundation strip	B328	0.000	Rela
		LCS	1.000	From start
Slb83	Foundation strip	B329	0.000	Rela
		LCS	1.000	From start
Slb84	Foundation strip	B330	0.000	Rela
		LCS	1.000	From start
Slb85	Foundation strip	B331	0.000	Rela
		LCS	1.000	From start
Slb86	Foundation strip	B332	0.000	Rela
		LCS	1.000	From start
Slb87	Foundation strip	B333	0.000	Rela
		LCS	1.000	From start
Slb88	Foundation strip	B334	0.000	Rela
		LCS	1.000	From start
Slb89	Foundation strip	B335	0.000	Rela
		LCS	1.000	From start
Slb90	Foundation strip	B336	0.000	Rela
		LCS	1.000	From start
Slb91	Foundation strip	B337	0.000	Rela
		LCS	1.000	From start
Slb92	Foundation strip	B338	0.000	Rela
		LCS	1.000	From start

Name	Type	Member	Pos x_1	Coor
		System	Pos x_2	Orig
Slb46	Foundation strip	B292	0.000	Rela
		LCS	1.000	From start
Slb47	Foundation strip	B293	0.000	Rela
		LCS	1.000	From start
Slb48	Foundation strip	B294	0.000	Rela
		LCS	1.000	From start
Slb49	Foundation strip	B295	0.000	Rela
		LCS	1.000	From start
Slb50	Foundation strip	B296	0.000	Rela
		LCS	1.000	From start
Slb51	Foundation strip	B297	0.000	Rela
		LCS	1.000	From start
Slb52	Foundation strip	B298	0.000	Rela
		LCS	1.000	From start
Slb53	Foundation strip	B299	0.000	Rela
		LCS	1.000	From start
Slb54	Foundation strip	B300	0.000	Rela
		LCS	1.000	From start
Slb55	Foundation strip	B301	0.000	Rela
		LCS	1.000	From start
Slb56	Foundation strip	B302	0.000	Rela
		LCS	1.000	From start

Name	Type	Member	Pos x_1	Coor
		System	Pos x_2	Orig
Slb93	Foundation strip	B339	0.000	Rela
		LCS	1.000	From start
Slb94	Foundation strip	B340	0.000	Rela
		LCS	1.000	From start
Slb95	Foundation strip	B341	0.000	Rela
		LCS	1.000	From start
Slb96	Foundation strip	B342	0.000	Rela
		LCS	1.000	From start
Slb97	Foundation strip	B343	0.000	Rela
		LCS	1.000	From start
Slb98	Foundation strip	B344	0.000	Rela
		LCS	1.000	From start
Slb99	Foundation strip	B345	0.000	Rela
		LCS	1.000	From start
Slb100	Foundation strip	B346	0.000	Rela
		LCS	1.000	From start
Slb101	Foundation strip	B347	0.000	Rela
		LCS	1.000	From start
Slb102	Foundation strip	B348	0.000	Rela
		LCS	1.000	From start

2.0 OBREMENILNI SLUČAJI IN OBREMENITVE

2.1 OBREMENILNI SLUČAJI

Name	Description	Action type	Load group	Direction	Duration	Master load case
	Spec	Load type				
LC1	SILA MASE	Permanent	LG1	-Z		
		Self weight				
LC2	STALNA OBREMENITEV-G0	Permanent	LG1			
		Standard				
LC3	STALNA OBREMENITEV-ZP	Permanent	LG1			
		Standard				
LC4	SPREM. OBREMENITEV-S1	Variable	LG2		Medium	None
	Standard	Static				
LC5	SPREM. OBREMENITEV-V1	Variable	LG3		Short	None
	Standard	Static				
LC6	SPREM. OBREMENITEV-V2	Variable	LG3		Short	None
	Standard	Static				
LC7	SPREM. OBREMENITEV-K1	Variable	LG4		Short	None
	Standard	Static				
LC8	SPREM. OBREMENITEV-K2	Variable	LG4		Short	None
	Standard	Static				
LC9	SPREM. OBREMENITEV-K3	Variable	LG4		Short	None
	Standard	Static				
LC10	POTRES_X	Variable	LG5			None
	Seismicity	Static equivalent				
LC10_AE	Accidental eccentricity for LC10	Variable	LC10_AE		Short	LC10 - POTRES_X
	Seismic accidental eccentricity	Static				
LC11	POTRES_Y	Variable	LG5			None
	Seismicity	Static equivalent				
LC11_AE	Accidental eccentricity for LC11	Variable	LC11_AE		Short	LC11 - POTRES_Y
	Seismic accidental eccentricity	Static				

Name	Load	Relation	Type
LG1	Permanent		
LG2	Variable	Standard	Snow
LG3	Variable	Exclusive	Wind
LG4	Variable	Exclusive	Cat A : Domestic
LG5	Seismic	Together	
LC10_AE	Seismic Accidental Eccentricity	Exclusive	
LC11_AE	Seismic Accidental Eccentricity	Exclusive	

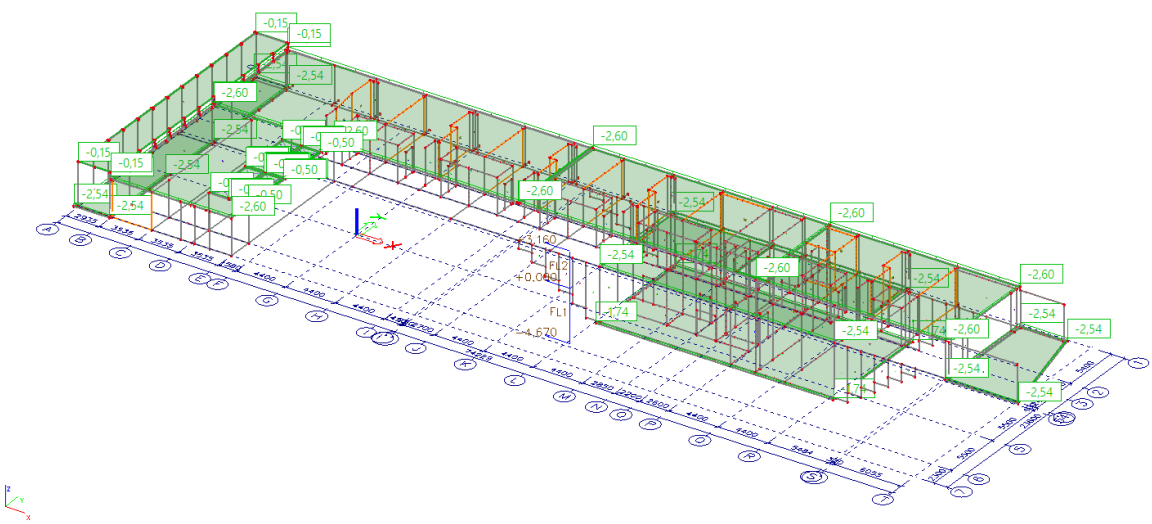
2.3.OBREMENITVE

Load paneli

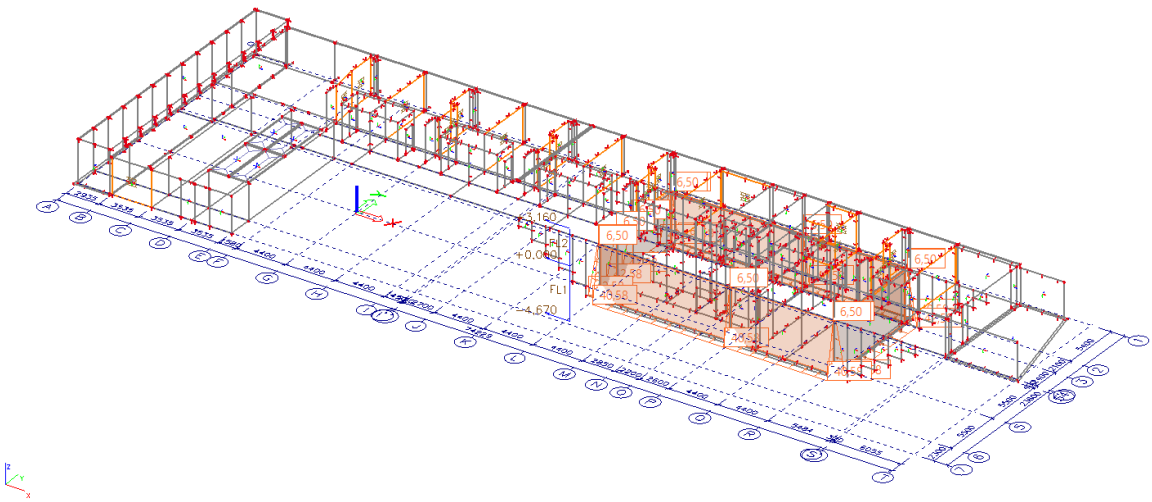
Name	Panel type	Load transfer direction	Selection of entities
LP2	To panel edges and beams	all (LCS panel)	Auto selection
LP3	To panel edges and beams	all (LCS panel)	Auto selection
LP4	To panel edges and beams	all (LCS panel)	Auto selection
LP5	To panel edges and beams	all (LCS panel)	Auto selection
LP6	To panel edges and beams	X (LCS panel)	Auto selection
LP7	To panel edges and beams	X (LCS panel)	Auto selection
LP8	To panel edges and beams	X (LCS panel)	Auto selection
LP9	To panel edges and beams	X (LCS panel)	Auto selection
LP10	To panel edges and beams	Y (LCS panel)	Auto selection
LP11	To panel edges and beams	X (LCS panel)	Auto selection

2.3.1 STALNA OBREMENITEV

Name	Dir	Type	Coeff	Value [kN/m²]	2D member	Load case	System	Loc
SF1	Z	Force		-1,74	S32	LC2 - STALNA OBREMENITEV-G0	GCS	Length
SF2	Z	Force		-2,54	S160	LC2 - STALNA OBREMENITEV-G0	GCS	Length
SF3	Z	Force		-2,54	S130	LC2 - STALNA OBREMENITEV-G0	GCS	Length
SF4	Z	Force		-2,54	S139	LC2 - STALNA OBREMENITEV-G0	GCS	Length
SF5	Z	Force		-2,60	S162	LC2 - STALNA OBREMENITEV-G0	GCS	Length
SF6	Z	Force		-2,60	S161	LC2 - STALNA OBREMENITEV-G0	GCS	Length
SF7	Z	Force		-2,60	S163	LC2 - STALNA OBREMENITEV-G0	GCS	Length
SF8	Z	Force		-0,15	S170	LC2 - STALNA OBREMENITEV-G0	GCS	Length
SF28	Z	Force		-2,60	S169	LC2 - STALNA OBREMENITEV-G0	GCS	Length
SF30	Z	Force		-0,50		LC2 - STALNA OBREMENITEV-G0	GCS	Length
SF31	Z	Force		-0,50		LC2 - STALNA OBREMENITEV-G0	GCS	Length
SF32	Z	Force		-0,50		LC2 - STALNA OBREMENITEV-G0	GCS	Length
SF33	Z	Force		-0,50		LC2 - STALNA OBREMENITEV-G0	GCS	Length

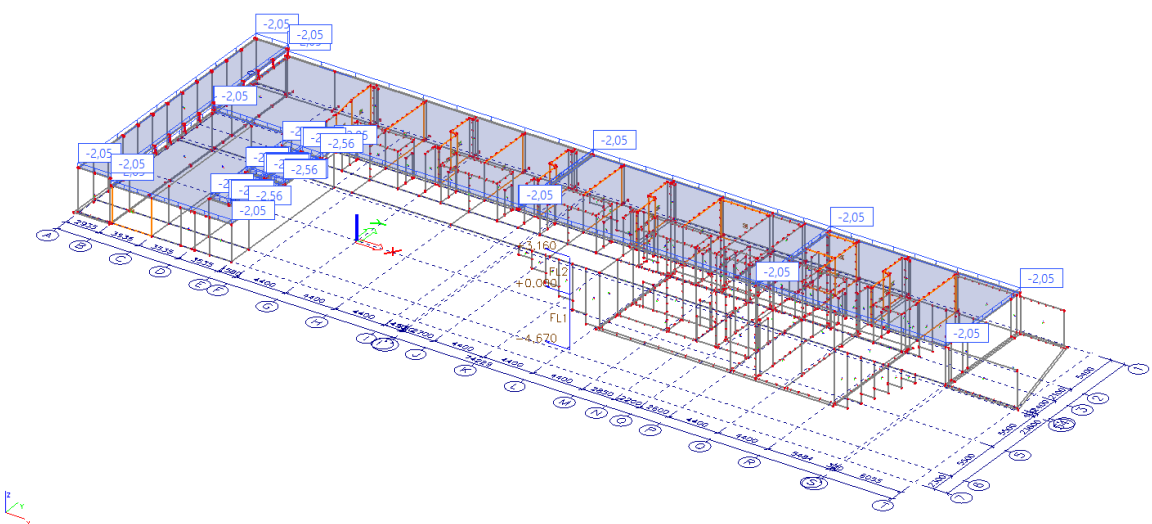


Name	Load case	Dir	Type	Distribution	q [kN/m²]	q1 [kN/m²]	q2 [kN/m²]	q3 [kN/m²]	Select	System	Location
FF3	LC3 - STALNA OBREMENITEV-ZP	Z	Force	3 points		6,50	6,50	42,58	Select	Member LCS	Length
FF4	LC3 - STALNA OBREMENITEV-ZP	Z	Force	3 points		6,50	6,50	40,58	Select	Member LCS	Length



2.3.2 SPREMENLJIVA OBREMENITEV – S1

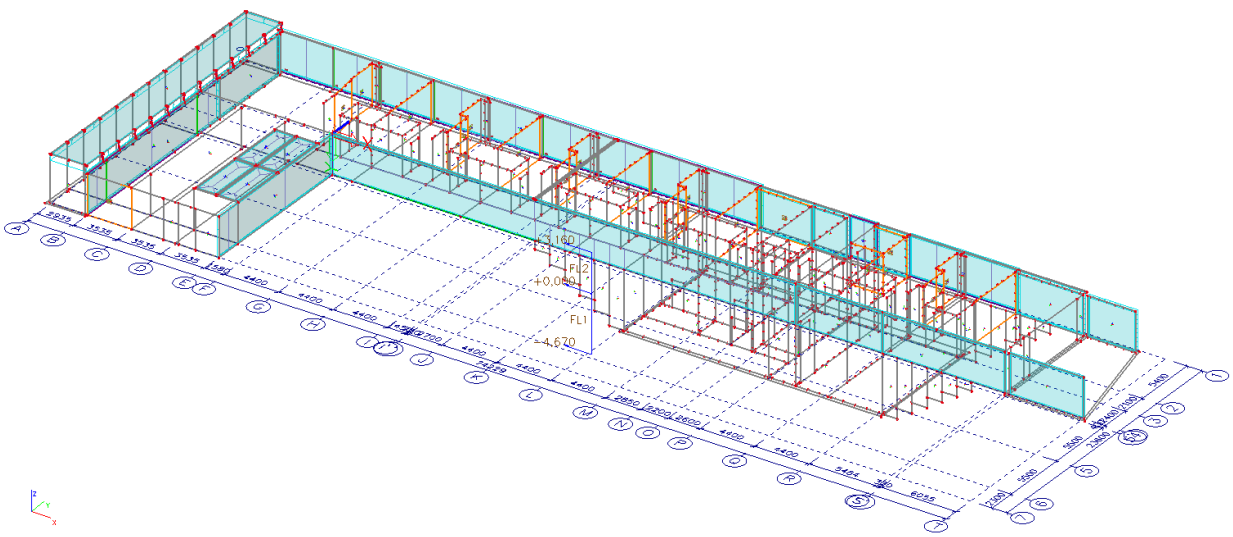
Name	Dir	Type	Coeff	Value [kN/m²]	2D member	Load case	System	Loc
SF9	Z	Snow	-0.800	-2,05	S170	LC4 - SPREM. OBREMENITEV-S1	GCS	Length
SF10	Z	Snow	-0.800	-2,05	S162	LC4 - SPREM. OBREMENITEV-S1	GCS	Length
SF11	Z	Snow	-0.800	-2,05	S161	LC4 - SPREM. OBREMENITEV-S1	GCS	Length
SF12	Z	Snow	-0.800	-2,05	S163	LC4 - SPREM. OBREMENITEV-S1	GCS	Length
SF29	Z	Snow	-0.800	-2,05	S169	LC4 - SPREM. OBREMENITEV-S1	GCS	Length
SF34	Z	Snow	-1.000	-2,56		LC4 - SPREM. OBREMENITEV-S1	GCS	Length
SF35	Z	Snow	-1.000	-2,56		LC4 - SPREM. OBREMENITEV-S1	GCS	Length
SF36	Z	Snow	-1.000	-2,56		LC4 - SPREM. OBREMENITEV-S1	GCS	Length
SF37	Z	Snow	-1.000	-2,56		LC4 - SPREM. OBREMENITEV-S1	GCS	Length



2.3.3 SPREMENLJIVA OBREMENITEV – V1

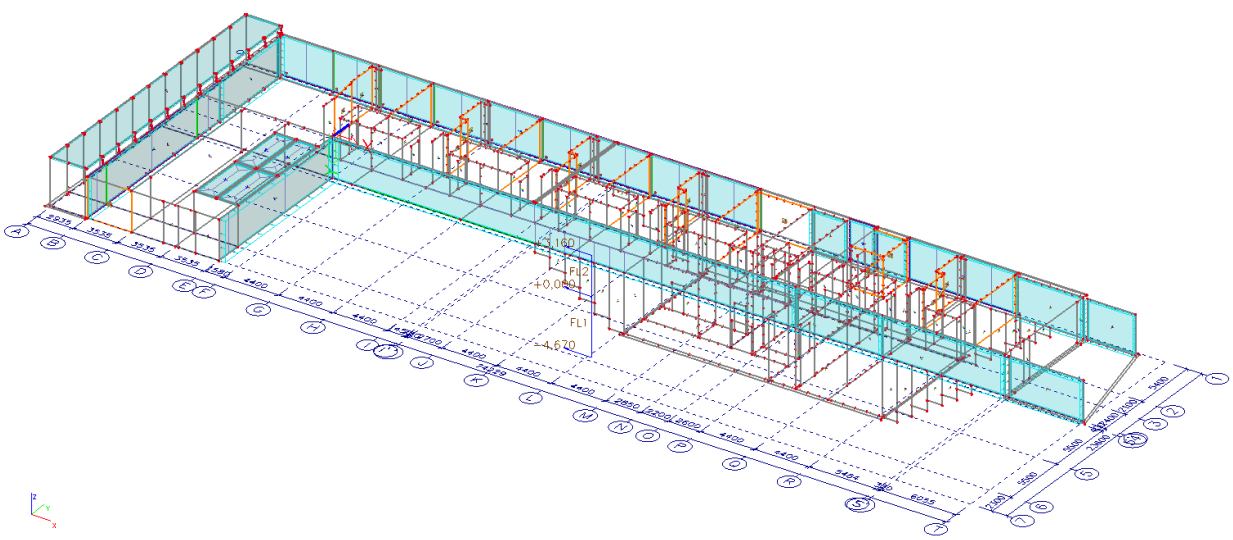
Name	Dir	Type	Coeff	Value [kN/m²]	2D member	Load case	System	Loc
SF13	Z	Wind	1.600		S170	LC5 - SPREM. OBREMENITEV-V1	GCS	Length
SF38	Z	Wind	0.200			LC5 - SPREM. OBREMENITEV-V1	GCS	Length
SF39	Z	Wind	0.200			LC5 - SPREM. OBREMENITEV-V1	GCS	Length
SF40	Z	Wind	0.200			LC5 - SPREM. OBREMENITEV-V1	GCS	Length
SF41	Z	Wind	0.200			LC5 - SPREM. OBREMENITEV-V1	GCS	Length
SF47	Y	Wind	-0.800		S124	LC5 - SPREM. OBREMENITEV-V1	GCS	Length
SF48	Y	Wind	-0.800		S118	LC5 - SPREM. OBREMENITEV-V1	GCS	Length
SF49	Y	Wind	-0.800		S107	LC5 - SPREM. OBREMENITEV-V1	GCS	Length

Name	Dir	Type	Coeff	Value [kN/m²]	2D member	Load case	System	Loc
SF50	Y	Wind	-0.800		S110	LC5 - SPREM. OBREMENITEV-V1	GCS	Length
SF51	Y	Wind	-0.800		S117	LC5 - SPREM. OBREMENITEV-V1	GCS	Length
SF52	Y	Wind	-0.500		S125	LC5 - SPREM. OBREMENITEV-V1	GCS	Length
SF53	Y	Wind	-0.500		S132	LC5 - SPREM. OBREMENITEV-V1	GCS	Length
SF54	Y	Wind	-0.500		S120	LC5 - SPREM. OBREMENITEV-V1	GCS	Length
SF55	X	Wind	0.800		S126	LC5 - SPREM. OBREMENITEV-V1	GCS	Length
SF56	X	Wind	0.800			LC5 - SPREM. OBREMENITEV-V1	GCS	Length
SF57	Y	Wind	-0.800			LC5 - SPREM. OBREMENITEV-V1	GCS	Length
SF58	Y	Wind	-0.800			LC5 - SPREM. OBREMENITEV-V1	GCS	Length
SF59	Y	Wind	-0.800			LC5 - SPREM. OBREMENITEV-V1	GCS	Length
SF60	Y	Wind	-0.500			LC5 - SPREM. OBREMENITEV-V1	GCS	Length
SF61	X	Wind	0.500			LC5 - SPREM. OBREMENITEV-V1	GCS	Length



2.3.4 SPREMENLJIVA OBREMENITEV – V2

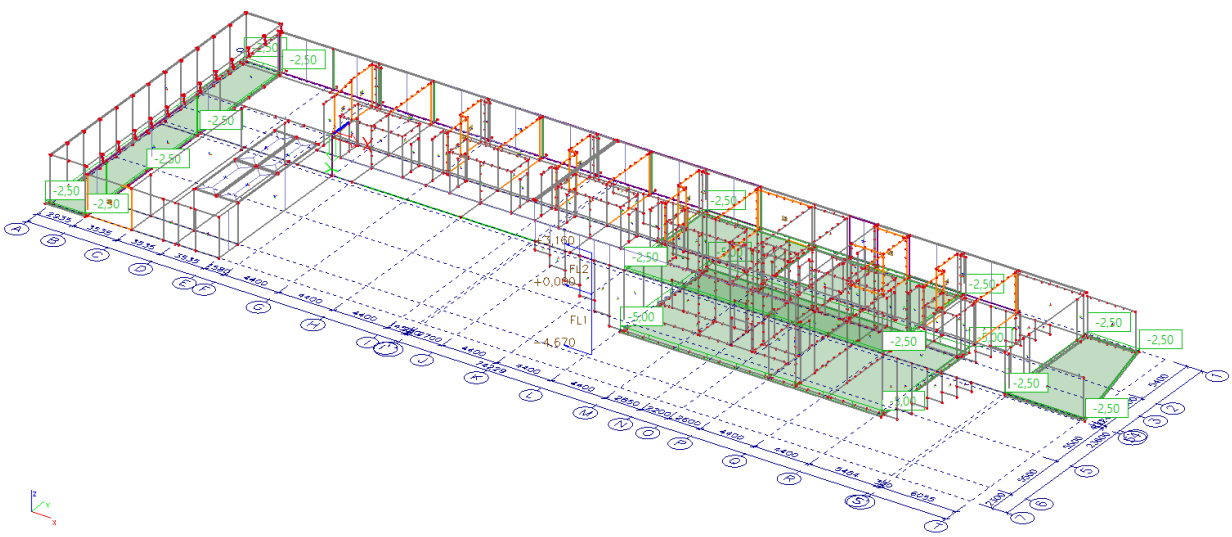
Name	Dir	Type	Coeff	Value [kN/m²]	2D member	Load case	System	Loc
SF42	Z	Wind	0.200			LC6 - SPREM. OBREMENITEV-V2	GCS	Length
SF43	Z	Wind	0.200			LC6 - SPREM. OBREMENITEV-V2	GCS	Length
SF44	Z	Wind	0.200			LC6 - SPREM. OBREMENITEV-V2	GCS	Length
SF45	Z	Wind	0.200			LC6 - SPREM. OBREMENITEV-V2	GCS	Length
SF46	Z	Wind	0.200		S170	LC6 - SPREM. OBREMENITEV-V2	GCS	Length
SF62	X	Wind	-0.500			LC6 - SPREM. OBREMENITEV-V2	GCS	Length



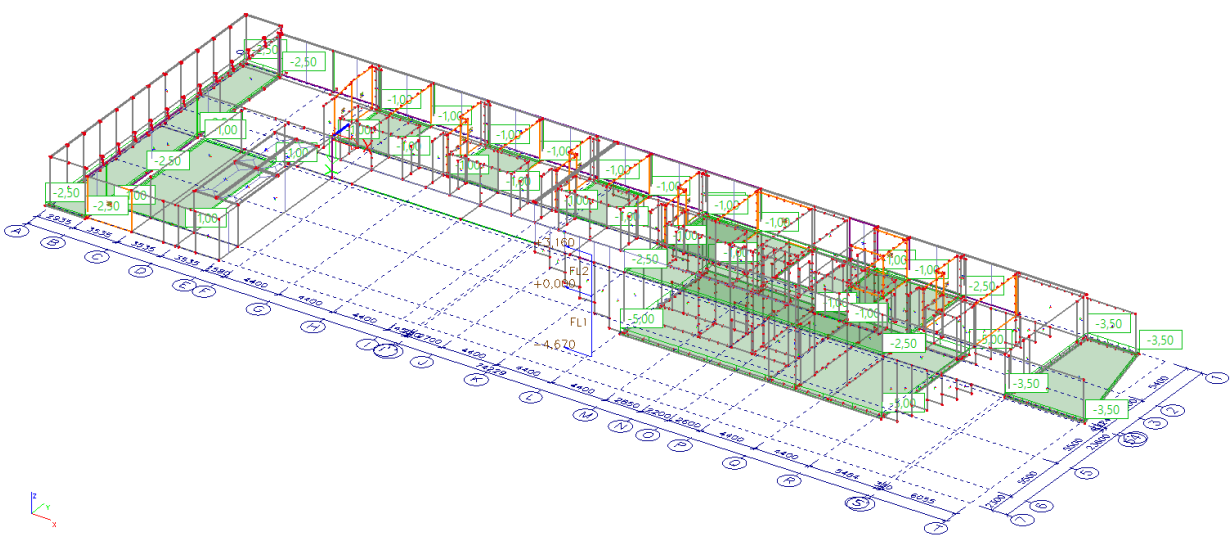
Name	Dir	Type	Coeff	Value [kN/m²]	2D member	Load case	System	Loc
SF63	X	Wind	-0.500		S126	LC6 - SPREM. OBREMENITEV-V2	GCS	Length
SF64	X	Wind	-0.800			LC6 - SPREM. OBREMENITEV-V2	GCS	Length
SF65	Y	Wind	0.800			LC6 - SPREM. OBREMENITEV-V2	GCS	Length
SF66	Y	Wind	0.800		S120	LC6 - SPREM. OBREMENITEV-V2	GCS	Length
SF67	Y	Wind	0.800		S132	LC6 - SPREM. OBREMENITEV-V2	GCS	Length
SF68	Y	Wind	0.800		S125	LC6 - SPREM. OBREMENITEV-V2	GCS	Length
SF69	Y	Wind	0.500			LC6 - SPREM. OBREMENITEV-V2	GCS	Length
SF70	Y	Wind	0.500		S107	LC6 - SPREM. OBREMENITEV-V2	GCS	Length
SF71	Y	Wind	0.500			LC6 - SPREM. OBREMENITEV-V2	GCS	Length
SF72	Y	Wind	0.500		S110	LC6 - SPREM. OBREMENITEV-V2	GCS	Length
SF73	Y	Wind	0.500			LC6 - SPREM. OBREMENITEV-V2	GCS	Length
SF74	Y	Wind	0.500		S118	LC6 - SPREM. OBREMENITEV-V2	GCS	Length
SF75	Y	Wind	0.500		S124	LC6 - SPREM. OBREMENITEV-V2	GCS	Length

2.3.5 SPREMENLJIVA OBREMENITEV – K1

Name	Dir	Type	Coeff	Value [kN/m²]	2D member	Load case	System	Loc
SF14	Z	Force		-5,00	S32	LC7 - SPREM. OBREMENITEV-K1	GCS	Length
SF15	Z	Force		-2,50	S160	LC7 - SPREM. OBREMENITEV-K1	GCS	Length
SF16	Z	Force		-2,50	S130	LC7 - SPREM. OBREMENITEV-K1	GCS	Length
SF17	Z	Force		-2,50	S139	LC7 - SPREM. OBREMENITEV-K1	GCS	Length

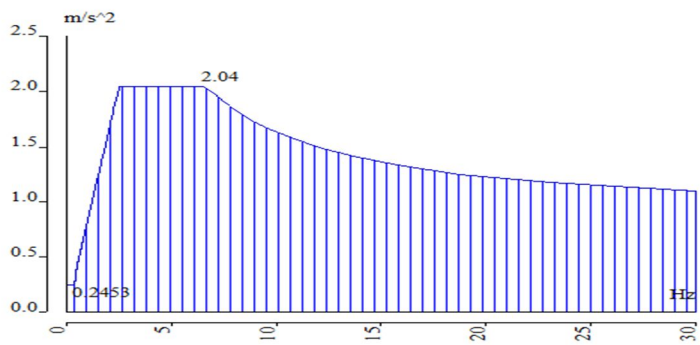


2.3.6 SPREMENLJIVA OBREMENITEV – K2



Name	Dir	Type	Coeff	Value [kN/m²]	2D member	Load case	System	Loc
SF20	Z	Force		-5,00	S32	LC8 - SPREM. OBREMENITEV-K2	GCS	Length
SF21	Z	Force		-2,50	S160	LC8 - SPREM. OBREMENITEV-K2	GCS	Length
SF22	Z	Force		-2,50	S130	LC8 - SPREM. OBREMENITEV-K2	GCS	Length
SF23	Z	Force		-3,50	S139	LC8 - SPREM. OBREMENITEV-K2	GCS	Length

2.3.7 SPREMENLJIVA OBREMENITEV - Potres

Name UniqueID	Info	Drawing
EC 8 - Sd(T)/alfa Subsoil class A q = 1,5	Type code - EN 1998-1:2004 – Eurocode Subsoil type - A Direction - Horizontal Spectrum type - type 1 coeff accel. ag - 0.125 ag - design acceleration - 1.22625 beta - 0.2 q - behaviour factor - 1.5	

Mase

Name	Load case
MG1	LC1 - SILA MASE
MG2	LC2 - STALNA OBREMENITEV-G0
MG3	LC9 - SPREM. OBREMENITEV-K3

Kombinacije mas

Name	Mass group	Coeff. [-]
CM1	MG1	1,00
	MG2	1,00
	MG3	1,00

Lastne vrednosti

N	f [Hz]	ω [1/s]	ω² [1/s²]	T [s]
Mass combination : CM1				
1	2,76	17,37	301,67	0,36
2	2,99	18,81	353,98	0,33
3	3,38	21,24	451,24	0,30
4	5,42	34,03	1158,29	0,18
5	6,53	41,01	1681,61	0,15

N	f [Hz]	ω [1/s]	ω² [1/s²]	T [s]
Mass combination : CM1				
6	7,45	46,83	2193,20	0,13
7	7,86	49,38	2438,07	0,13
8	8,19	51,48	2650,11	0,12
9	8,46	53,17	2826,81	0,12
10	9,14	57,45	3300,76	0,11

Sum of masses

	Mass type	X [kg]	Y [kg]	Z [kg]
1	Moving mass	2459266,1	2459266,1	2459266,1
1	Total mass	2459266,1	2459266,1	2459266,1

Relative modal masses

Mode	Omega [rad/s]	Period [s]	Freq. [Hz]	W_{xi}/W_{xtot}	W_{yi}/W_{ytot}	W_{zi}/W_{ztot}	W_{xi_R}/W_{xtot_R}	W_{yi_R}/W_{ytot_R}	W_{zi_R}/W_{ztot_R}
1	17.3691	0,36	2,76	0,0055	0,8760	0,0000	0,0010	0,0000	0,0823
2	18.815	0,33	2,99	0,9844	0,0086	0,0000	0,0001	0,0002	0,0021
3	21.2431	0,30	3,38	0,0046	0,0829	0,0000	0,0223	0,0000	0,8943
4	34.0347	0,18	5,42	0,0002	0,0066	0,0002	0,0617	0,0003	0,0001
5	41.0086	0,15	6,53	0,0004	0,0138	0,0008	0,2667	0,0006	0,0000
6	46.833	0,13	7,45	0,0001	0,0001	0,2119	0,1442	0,3003	0,0000
7	49.3782	0,13	7,86	0,0000	0,0060	0,0153	0,1640	0,0922	0,0034
8	51.4807	0,12	8,19	0,0002	0,0008	0,3443	0,0813	0,0215	0,0062
9	53.1693	0,12	8,46	0,0005	0,0006	0,3164	0,0171	0,2656	0,0038
10	57.4539	0,11	9,14	0,0000	0,0019	0,0000	0,0005	0,0115	0,0019
				0,9959	0,9973	0,8889	0,7587	0,6922	0,9941

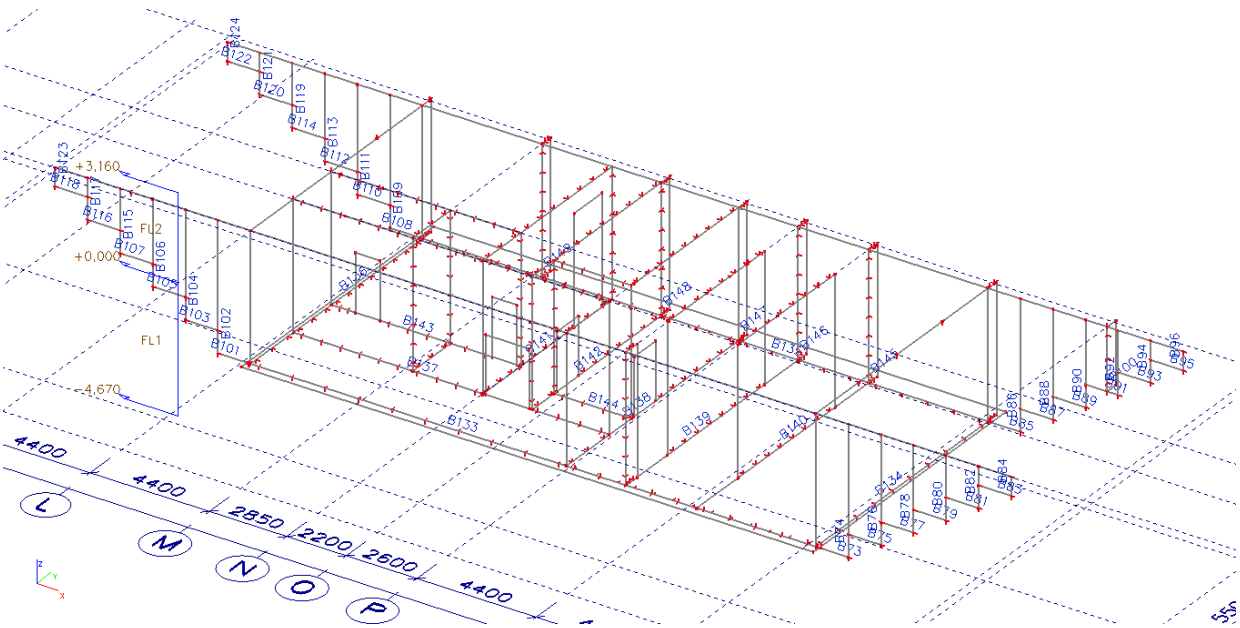
3.0 KOMBINACIJE OBREMENILNIH SLUČAJEV IN SKUPINE ZA REZULTATE

3.1 KOMBINACIJE (linearne)

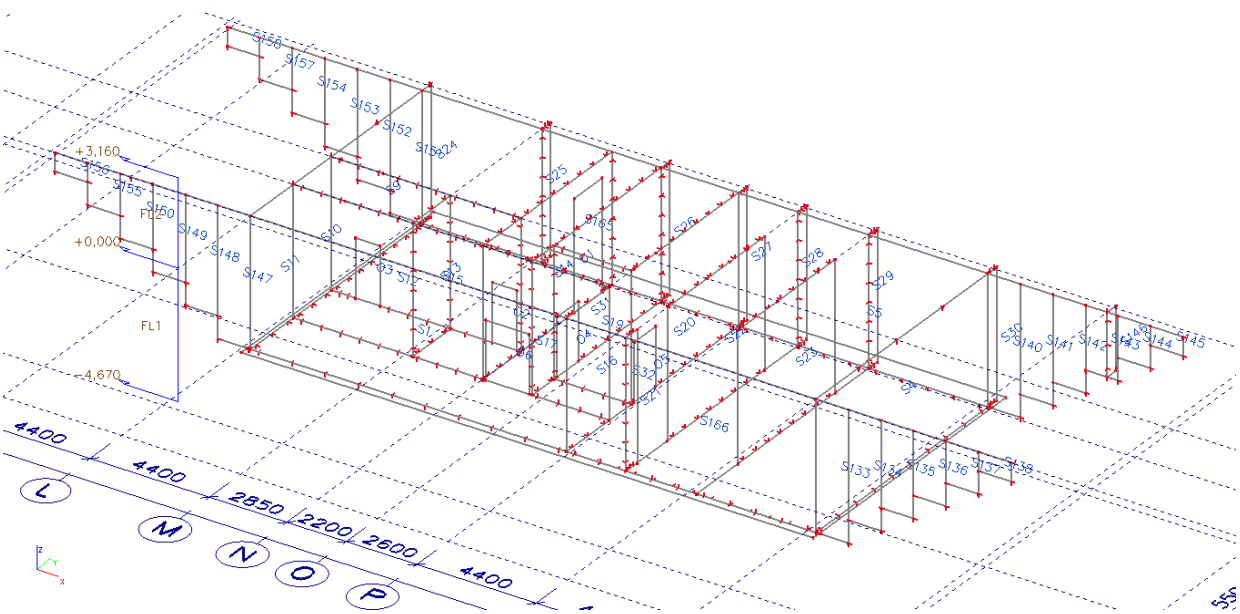
Name	Description	Type	Load cases	Coeff. [-]
ULS-Set B (auto)		EN-ULS (STR/GEO) Set B	LC1 - SILA MASE	1,00
			LC2 - STALNA OBREMENITEV-G0	1,00
			LC3 - STALNA OBREMENITEV-ZP	1,00
			LC4 - SPREM. OBREMENITEV-S1	1,00
			LC5 - SPREM. OBREMENITEV-V1	1,00
			LC6 - SPREM. OBREMENITEV-V2	1,00
			LC7 - SPREM. OBREMENITEV-K1	1,00
			LC8 - SPREM. OBREMENITEV-K2	1,00
			LC9 - SPREM. OBREMENITEV-K3	1,00
SLS-Char (auto)		EN-SLS Characteristic	LC1 - SILA MASE	1,00
			LC2 - STALNA OBREMENITEV-G0	1,00
			LC3 - STALNA OBREMENITEV-ZP	1,00
			LC4 - SPREM. OBREMENITEV-S1	1,00
			LC5 - SPREM. OBREMENITEV-V1	1,00
			LC6 - SPREM. OBREMENITEV-V2	1,00
			LC7 - SPREM. OBREMENITEV-K1	1,00
			LC8 - SPREM. OBREMENITEV-K2	1,00
			LC9 - SPREM. OBREMENITEV-K3	1,00
SLS-Quasi (auto)		EN-SLS Quasi-permanent	LC1 - SILA MASE	1,00
			LC2 - STALNA OBREMENITEV-G0	1,00
			LC3 - STALNA OBREMENITEV-ZP	1,00
			LC4 - SPREM. OBREMENITEV-S1	1,00
			LC5 - SPREM. OBREMENITEV-V1	1,00
			LC6 - SPREM. OBREMENITEV-V2	1,00
			LC7 - SPREM. OBREMENITEV-K1	1,00
			LC8 - SPREM. OBREMENITEV-K2	1,00
			LC9 - SPREM. OBREMENITEV-K3	1,00
ULS-Seis (auto)		EN-Seismic	LC1 - SILA MASE	1,00
			LC2 - STALNA OBREMENITEV-G0	1,00
			LC9 - SPREM. OBREMENITEV-K3	1,00
			LC10 - POTRES_X	1,00
			LC10_AE - Accidental eccentricity for LC10	1,00
			LC11 - POTRES_Y	1,00
			LC11_AE - Accidental eccentricity for LC11	1,00
LC10	Seismic load case "LC10" with accidental eccentricity effects	Envelope - ultimate	LC10 - POTRES_X	1,00
			LC10_AE - Accidental eccentricity for LC10	1,00
LC11	Seismic load case "LC11" with accidental eccentricity effects	Envelope - ultimate	LC11 - POTRES_Y	1,00
			LC11_AE - Accidental eccentricity for LC11	1,00
CO1	Potres_F	EN-Seismic	LC1 - SILA MASE	1,00
			LC2 - STALNA OBREMENITEV-G0	1,00
			LC9 - SPREM. OBREMENITEV-K3	1,00
			LC10 - POTRES_X	1,00
			LC10_AE - Accidental eccentricity for LC10	1,00
			LC11 - POTRES_Y	1,00
			LC11_AE - Accidental eccentricity for LC11	1,00
CO2	Potres_U	EN-Seismic	LC1 - SILA MASE	1,00
			LC2 - STALNA OBREMENITEV-G0	1,00
			LC9 - SPREM. OBREMENITEV-K3	1,00
			LC10 - POTRES_X	2,00
			LC10_AE - Accidental eccentricity for LC10	2,00
			LC11 - POTRES_Y	2,00
			LC11_AE - Accidental eccentricity for LC11	2,00

Name	List
All ULS	ULS-Set B (auto) - EN-ULS (STR/GEO) Set B
	ULS-Seis (auto) - EN-Seismic
	LC10 - Envelope - ultimate
	LC11 - Envelope - ultimate
	CO1 - EN-Seismic
All SLS	SLS-Char (auto) - EN-SLS Characteristic
	SLS-Quasi (auto) - EN-SLS Quasi-permanent

3.0 DIMENZIONIRANJE ELEMENTOV KONSTRUKCIJE - KLET



Geometrija – linijski elementi



Geometrija – ploskovni elementi

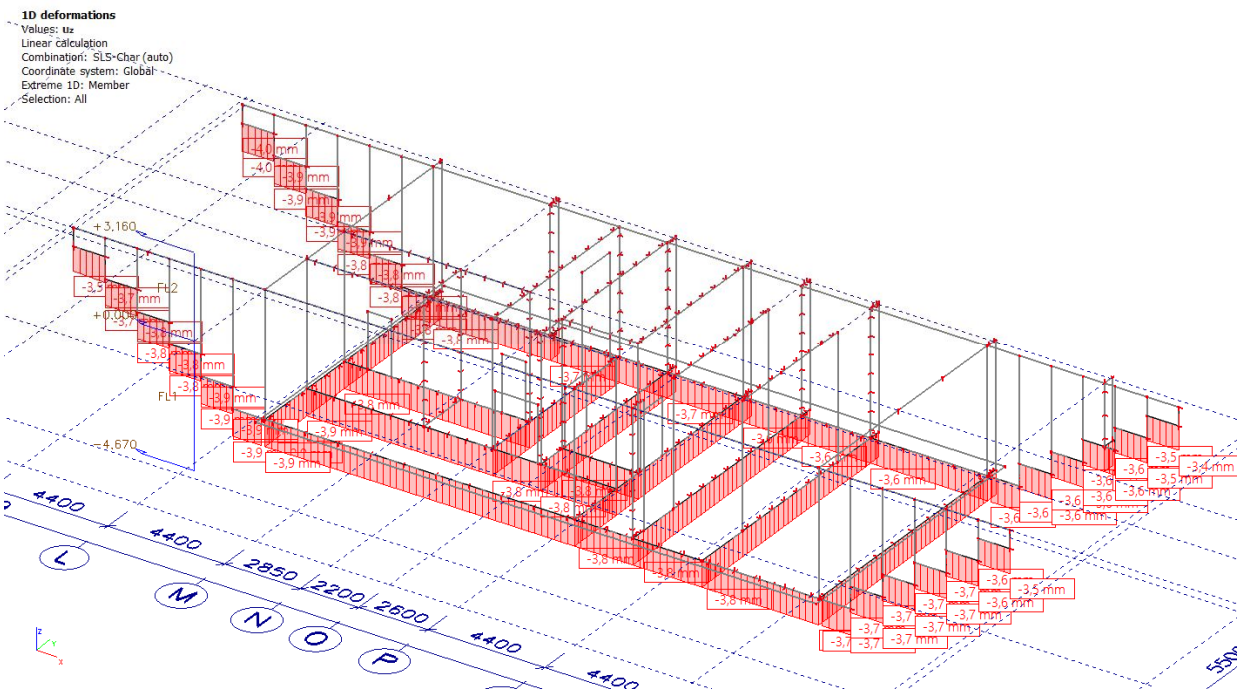
3.1.DEFORMACIJE IN POMIKI

3.1.1 Deformacije 1D elementov

Linear calculation, Extreme : Cross-section, System : Principal
Class : All SLS

Deformations

Name	dx [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
B124	0,670	SLS-Char (auto)/1	**-0,1**	0,1	-3,7	0,1	-0,1	0,0	3,7
B108	1,075	SLS-Char (auto)/2	**0,1**	0,0	-3,4	0,0	0,0	0,0	3,4
B107	1,200	SLS-Char (auto)/2	0,0	**-0,4**	-3,5	-0,1	0,0	0,1	3,5
B123	0,670	SLS-Char (auto)/1	0,0	**0,3**	-3,2	-0,4	0,2	0,0	3,2
B124	0,670	SLS-Char (auto)/3	-0,1	0,1	**-4,0**	0,1	0,0	0,0	**4,0**
B145	0,480	SLS-Char (auto)/4	0,1	-0,2	**-3,0**	0,2	0,0	0,0	3,0
B123	0,670	SLS-Char (auto)/5	0,0	0,3	-3,3	**-0,4**	0,2	0,0	3,3
B145	0,480	SLS-Char (auto)/6	0,1	-0,2	-3,2	**0,2**	0,0	0,0	3,2
B140	4,917-	SLS-Char (auto)/7	0,0	-0,1	-3,6	0,0	**-0,2**	0,0	3,6
B123	0,670	SLS-Char (auto)/8	0,1	0,0	-3,4	-0,3	**0,2**	0,0	3,4
B89	0,240-	SLS-Char (auto)/5	0,0	-0,1	-3,4	0,0	0,0	**0,0**	3,4
B103	0,960-	SLS-Char (auto)/5	0,0	0,0	-3,6	0,0	0,0	**0,1**	3,6



Name	Combination key
SLS-Char (auto)/1	LC1 + LC2 + LC3 + 0.50*LC4 + LC6
SLS-Char (auto)/2	LC1 + LC2 + LC3 + 0.50*LC4 + LC5
SLS-Char (auto)/3	LC1 + LC2 + LC3 + LC4 + 0.60*LC6 + 0.70*LC7
SLS-Char (auto)/4	LC1 + LC2 + LC3 + LC5
SLS-Char (auto)/5	LC1 + LC2 + LC3 + LC4 + 0.60*LC6
SLS-Char (auto)/6	LC1 + LC2 + LC3 + LC5 + 0.70*LC7
SLS-Char (auto)/7	LC1 + LC2 + LC3 + LC4 + 0.60*LC5 + 0.70*LC7
SLS-Char (auto)/8	LC1 + LC2 + LC3 + 0.60*LC5 + LC7

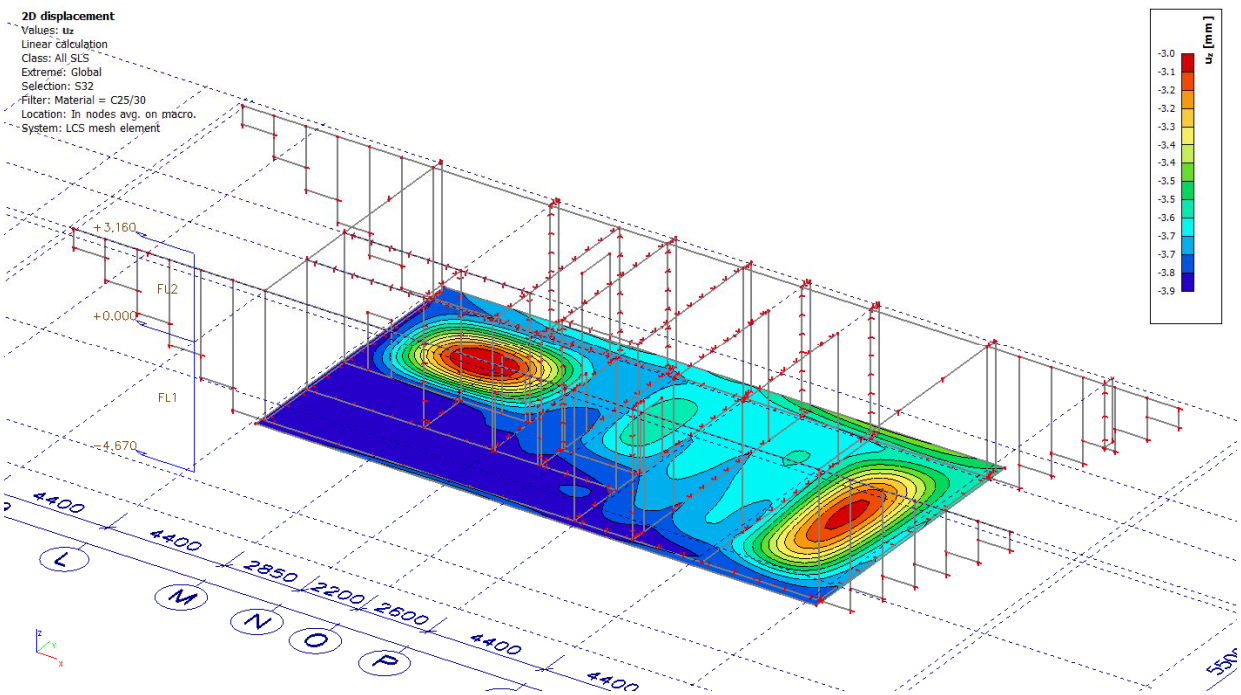
3.1.2 Deformacije 2D elementov

Linear calculation
Class: All SLS; Extreme: Global; Selection: All; Selection: S32; Filter: Material = C25/30
Location: In nodes avg. on macro. System: LCS mesh element

Name	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
S32	SLS-Char (auto)/1	**-0,1**	0,1	-3,0	0,0	-0,3	0,0	3,0
S32	SLS-Char (auto)/2	**0,1**	0,0	-3,3	0,1	-0,1	0,0	3,3
S32	SLS-Char (auto)/2	0,1	**-0,2**	-3,0	0,2	0,0	0,0	3,0
S32	SLS-Char (auto)/3	0,0	**0,3**	-3,5	-0,3	0,0	0,0	3,5
S32	SLS-Char (auto)/4	0,0	0,0	**-3,9**	0,0	0,0	0,0	**3,9**

Name	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
S32	SLS-Char (auto)/5	0,1	0,2	-3,4	**-0,4**	0,0	0,0	3,4
S32	SLS-Char (auto)/6	0,1	-0,1	-3,5	**0,5**	0,0	0,0	3,5
S32	SLS-Char (auto)/7	0,0	-0,1	-3,4	0,0	**-0,4**	0,0	3,4
S32	SLS-Char (auto)/8	0,1	-0,1	-3,1	0,0	**0,4**	0,0	3,1
S32	SLS-Char (auto)/2	0,0	-0,1	-3,4	-0,1	0,0	**0,0**	3,4
S32	SLS-Char (auto)/9	0,0	0,2	-3,5	0,0	0,0	**0,1**	3,6
S32	SLS-Char (auto)/10	0,1	0,0	**-2,6**	0,0	0,0	0,0	**2,6**

Name	Combination key
SLS-Char (auto)/1	LC1 + LC2 + LC3 + 0.50*LC4 + LC6
SLS-Char (auto)/2	LC1 + LC2 + LC3 + 0.50*LC4 + LC5
SLS-Char (auto)/3	LC1 + LC2 + LC3 + 0.50*LC4 + LC6 + 0.70*LC7
SLS-Char (auto)/4	LC1 + LC2 + LC3 + 0.50*LC4 + 0.60*LC5 + LC7
SLS-Char (auto)/5	LC1 + LC2 + LC3 + LC4 + 0.60*LC6 + 0.70*LC7
SLS-Char (auto)/6	LC1 + LC2 + LC3 + LC4 + 0.60*LC5 + 0.70*LC7
SLS-Char (auto)/7	LC1 + LC2 + LC3 + LC4 + 0.60*LC5 + 0.70*LC8
SLS-Char (auto)/8	LC1 + LC2 + LC3 + LC4 + 0.60*LC5
SLS-Char (auto)/9	LC1 + LC2 + LC3 + LC4 + 0.60*LC6
SLS-Char (auto)/10	LC1 + LC2 + LC3 + LC5

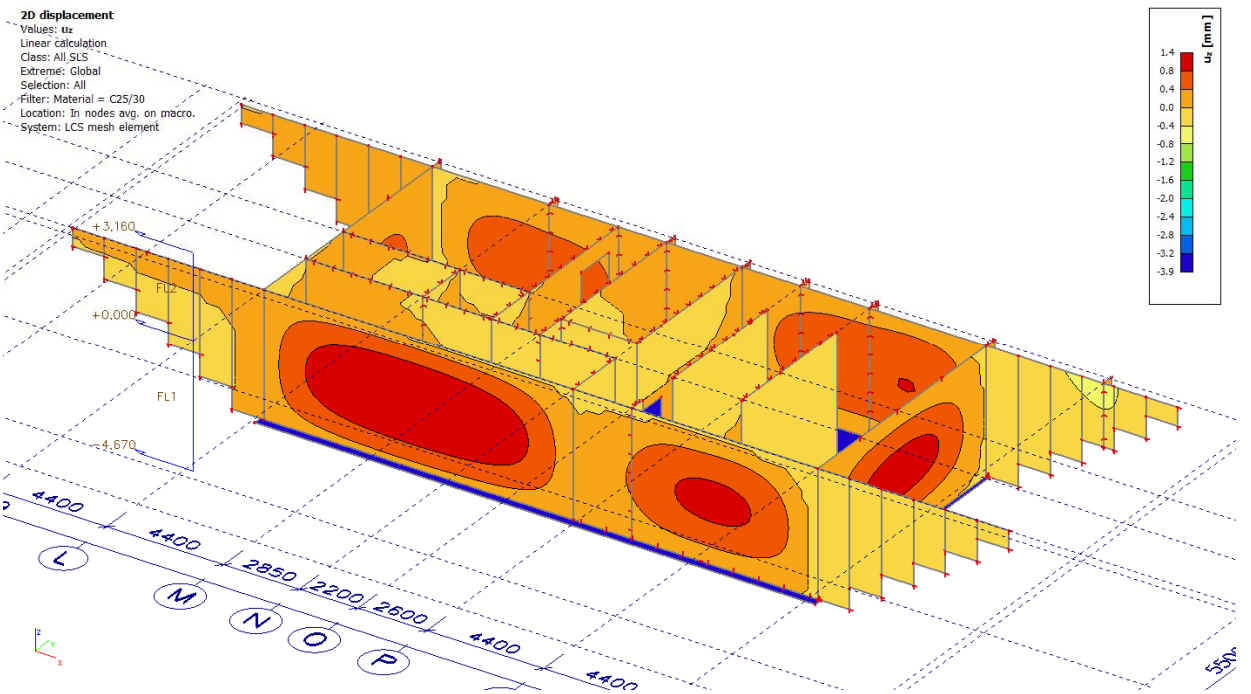


Deformacije Uz [mm]

Class: All SLS
Extreme: Global; Selection: All; Filter: Material = C25/30
Location: In nodes avg. on macro. System: LCS mesh element

Name	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
S29	SLS-Char (auto)/1	**-0,7**	3,1	-0,1	0,0	0,0	0,0	3,2
S21	SLS-Char (auto)/2	**0,4**	-3,3	-0,1	0,0	0,2	0,0	3,3
S11	SLS-Char (auto)/3	0,0	**-3,9**	0,0	0,0	0,0	0,0	3,9
S158	SLS-Char (auto)/4	-0,1	**4,0**	0,1	0,1	0,0	0,0	4,0
S32	SLS-Char (auto)/3	0,0	0,0	**-3,9**	0,0	0,0	0,0	3,9
S1	SLS-Char (auto)/5	0,0	3,4	**1,4**	0,0	0,0	0,0	3,6
S1	SLS-Char (auto)/2	0,0	3,3	0,7	**-0,7**	0,0	0,0	3,3
S1	SLS-Char (auto)/1	0,0	3,4	0,3	**0,7**	0,0	0,0	3,4
S1	SLS-Char (auto)/2	0,0	3,4	0,6	0,0	**-0,4**	0,0	3,4
S1	SLS-Char (auto)/1	0,0	3,3	0,2	0,0	**0,4**	0,0	3,3
S29	SLS-Char (auto)/6	-0,4	3,2	-0,1	0,0	0,0	**-0,4**	3,2
S29	SLS-Char (auto)/5	-0,1	3,4	0,0	0,0	0,0	**0,3**	3,4
S32	SLS-Char (auto)/1	0,1	0,0	-2,6	0,0	0,0	0,0	**2,6**
S1	SLS-Char (auto)/3	0,0	3,8	1,2	0,0	0,0	0,0	**4,0**

Name	Combination key
SLS-Char (auto)/1	LC1 + LC2 + LC3 + LC5
SLS-Char (auto)/2	LC1 + LC2 + LC3 + LC6
SLS-Char (auto)/3	LC1 + LC2 + LC3 + 0.50*LC4 + 0.60*LC5 + LC7
SLS-Char (auto)/4	LC1 + LC2 + LC3 + LC4 + 0.60*LC6 + 0.70*LC7
SLS-Char (auto)/5	LC1 + LC2 + LC3 + 0.50*LC4 + LC6
SLS-Char (auto)/6	LC1 + LC2 + LC3 + LC5 + 0.70*LC7



Deformacije Uz [mm]

3.2.NOTRANJE STATIČNE KOLIČINE - ULS

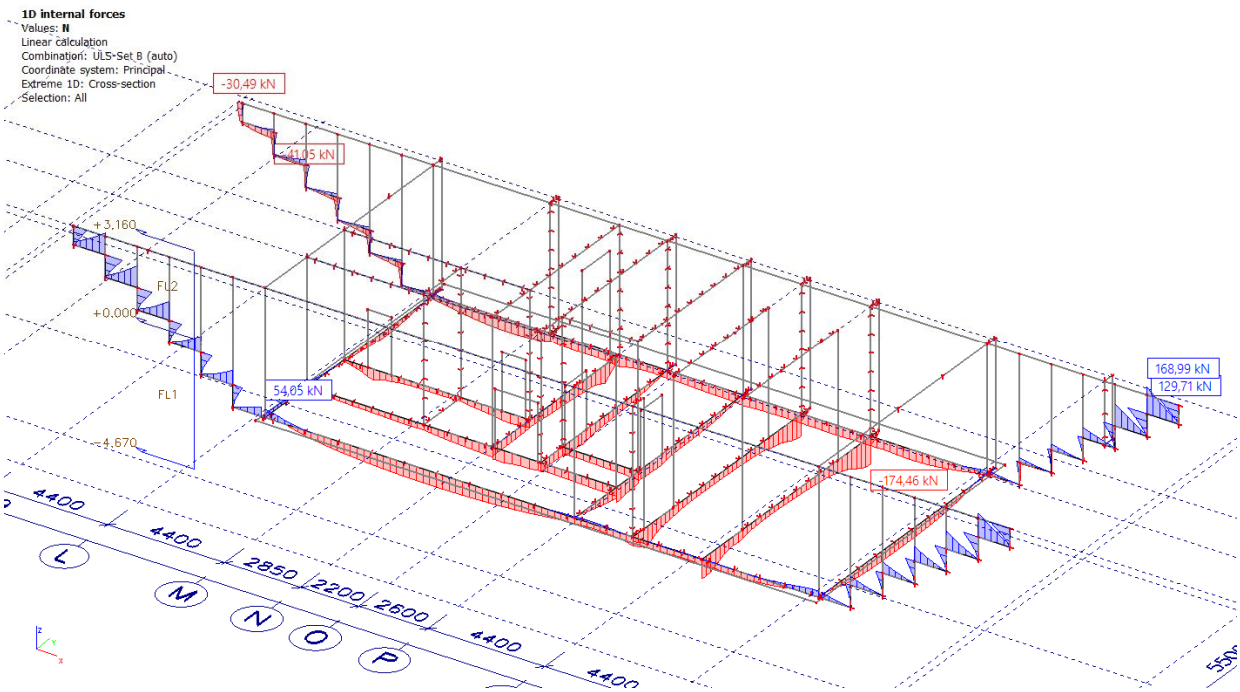
3.2.1 Elementi 1D

Linear calculation
Combination: ULS-Set B (auto); Coordinate system: Principal
Extreme 1D: Cross-section; Selection: All

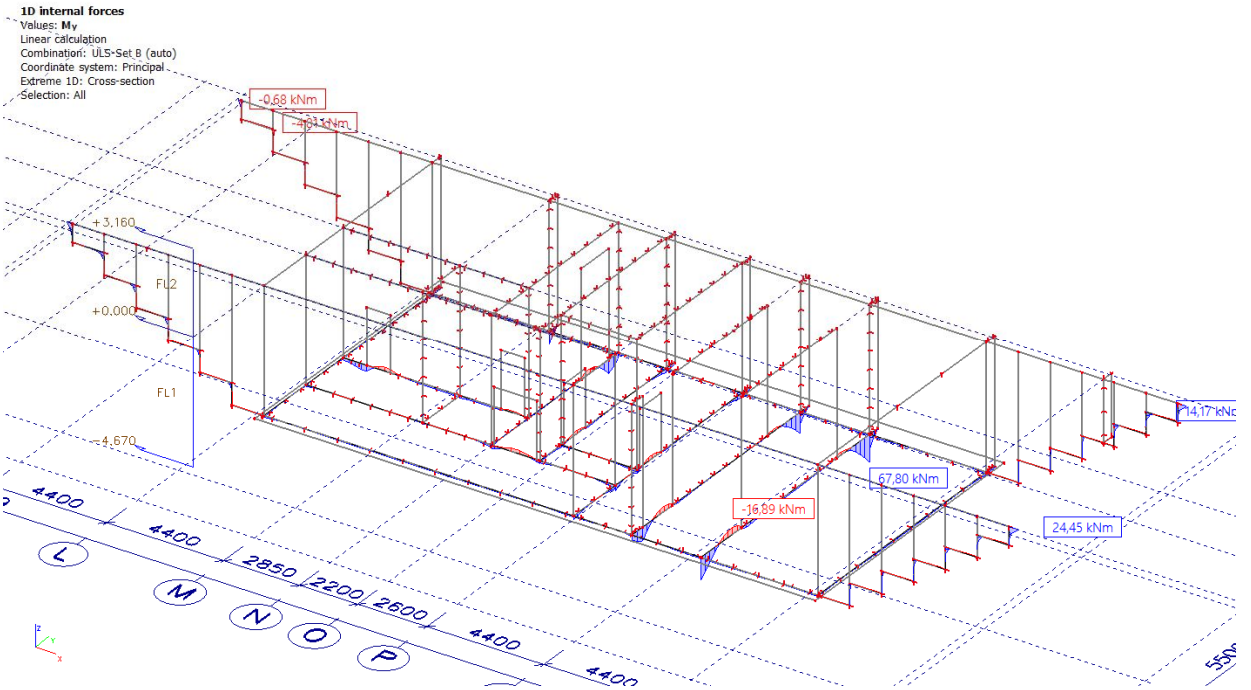
Name	Case	Cross-section	N [kN]	V_y [kN]	V_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]
B122	ULS-Set B (auto)/1	CS7 - Rectangle (300; 650)	**-41,05**	2,57	2,90	2,14	-2,66	0,83
B118	ULS-Set B (auto)/2	CS7 - Rectangle (300; 650)	55,73	**-9,78**	-17,71	-5,74	0,19	-0,53
B95	ULS-Set B (auto)/3	CS7 - Rectangle (300; 650)	13,80	**6,26**	-10,67	2,16	-2,05	-0,67
B95	ULS-Set B (auto)/4	CS7 - Rectangle (300; 650)	165,16	0,96	**-73,91**	5,85	9,28	1,19
B118	ULS-Set B (auto)/2	CS7 - Rectangle (300; 650)	133,78	-8,65	-61,29	**-7,43**	10,12	1,02
B95	ULS-Set B (auto)/3	CS7 - Rectangle (300; 650)	**168,99**	1,28	-73,11	**5,93**	8,94	0,96
B121	ULS-Set B (auto)/1	CS7 - Rectangle (300; 650)	-23,71	-0,21	-26,22	-0,84	**-4,81**	2,81
B117	ULS-Set B (auto)/2	CS7 - Rectangle (300; 650)	110,62	-3,27	82,30	0,37	12,59	**-9,66**
B94	ULS-Set B (auto)/3	CS7 - Rectangle (300; 650)	123,97	-1,23	**105,67**	-1,83	**14,17**	**6,62**
B124	ULS-Set B (auto)/1	CS20 - Rectangle (300; 500)	**-30,49**	0,02	19,55	-1,27	2,18	3,82
B84	ULS-Set B (auto)/2	CS20 - Rectangle (300; 500)	128,37	**-5,70**	**163,44**	-0,04	**24,45**	-7,13
B124	ULS-Set B (auto)/1	CS20 - Rectangle (300; 500)	-14,49	0,07	**-12,40**	-1,30	0,40	2,05
B124	ULS-Set B (auto)/4	CS20 - Rectangle (300; 500)	-14,33	0,19	-11,96	**-1,35**	0,41	2,15
B123	ULS-Set B (auto)/2	CS20 - Rectangle (300; 500)	6,50	-4,27	13,91	**3,03**	0,19	-6,56
B124	ULS-Set B (auto)/5	CS20 - Rectangle (300; 500)	-24,04	0,01	1,05	-1,02	**-0,68**	2,50
B123	ULS-Set B (auto)/2	CS20 - Rectangle (300; 500)	79,58	-4,17	70,35	1,54	13,17	**-13,89**
B96	ULS-Set B (auto)/3	CS20 - Rectangle (300; 500)	**129,71**	**4,62**	154,36	1,99	23,07	**6,64**
B140	ULS-Set B (auto)/6	CS9 - Rectangle (300; 500)	**-174,46**	6,05	-62,17	-2,26	66,82	-1,96
B133	ULS-Set B (auto)/7	CS9 - Rectangle (300; 500)	**54,05**	-15,22	-1,95	3,55	4,19	3,01
B133	ULS-Set B (auto)/6	CS9 - Rectangle (300; 500)	-27,92	**-48,53**	13,20	**10,41**	0,85	10,71
B133	ULS-Set B (auto)/8	CS9 - Rectangle (300; 500)	-7,28	**51,30**	-7,67	-11,75	2,33	11,87
B145	ULS-Set B (auto)/1	CS9 - Rectangle (300; 500)	-56,15	-1,52	**-107,48**	-1,40	35,96	-0,26

Name	Case	Cross-section	N [kN]	V_y [kN]	V_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]
B133	ULS-Set B (auto)/1	CS9 - Rectangle (300; 500)	-35,59	48,19	-6,23	**-12,53**	2,18	11,74
B140	ULS-Set B (auto)/1	CS9 - Rectangle (300; 500)	-48,58	-1,15	-13,10	4,87	**-16,89**	0,25
B140	ULS-Set B (auto)/4	CS9 - Rectangle (300; 500)	-174,11	4,32	-64,93	-2,67	**67,80**	-2,01
B135	ULS-Set B (auto)/4	CS9 - Rectangle (300; 500)	-53,59	15,64	7,89	-10,81	3,34	**-6,49**
B133	ULS-Set B (auto)/6	CS9 - Rectangle (300; 500)	-30,02	49,85	-6,45	-12,05	2,15	**11,90**
B141	ULS-Set B (auto)/3	CS9 - Rectangle (300; 500)	-112,00	0,22	**68,00**	8,07	14,96	0,07

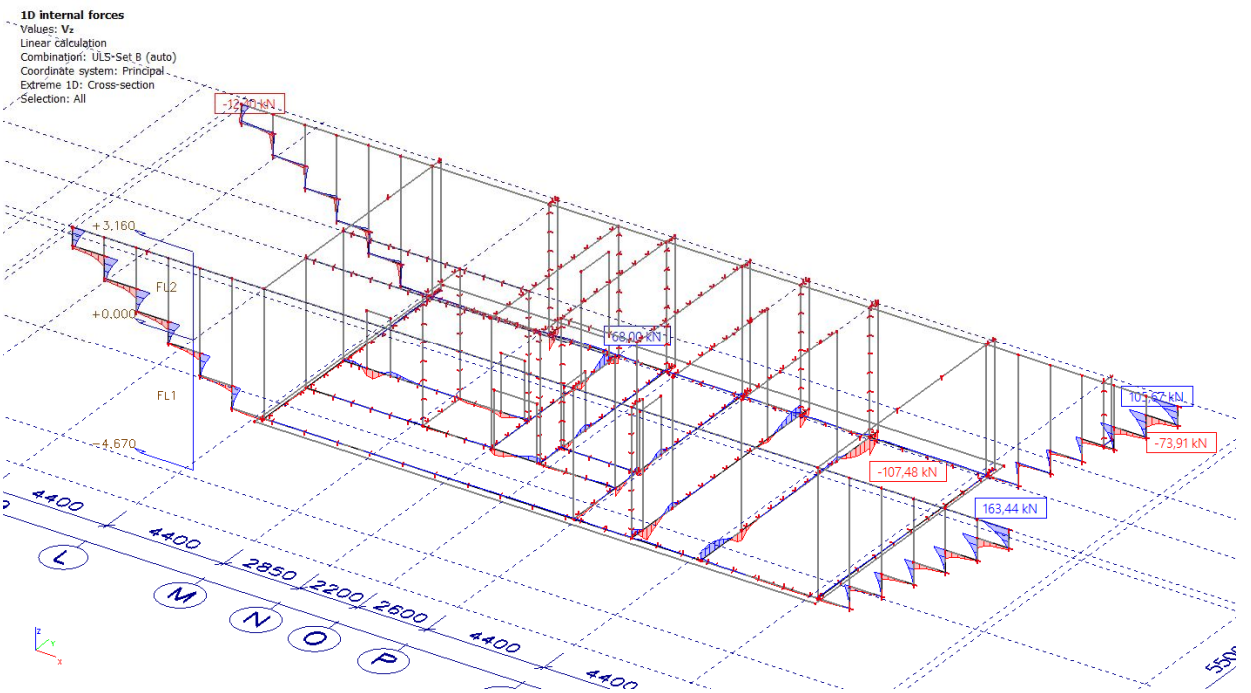
Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC7
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC7
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Set B (auto)/5	LC1 + LC2 + LC3 + 1.50*LC4 + 0.90*LC5
ULS-Set B (auto)/6	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC6
ULS-Set B (auto)/7	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 0.90*LC5 + 1.50*LC7
ULS-Set B (auto)/8	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.90*LC6 + 1.50*LC7



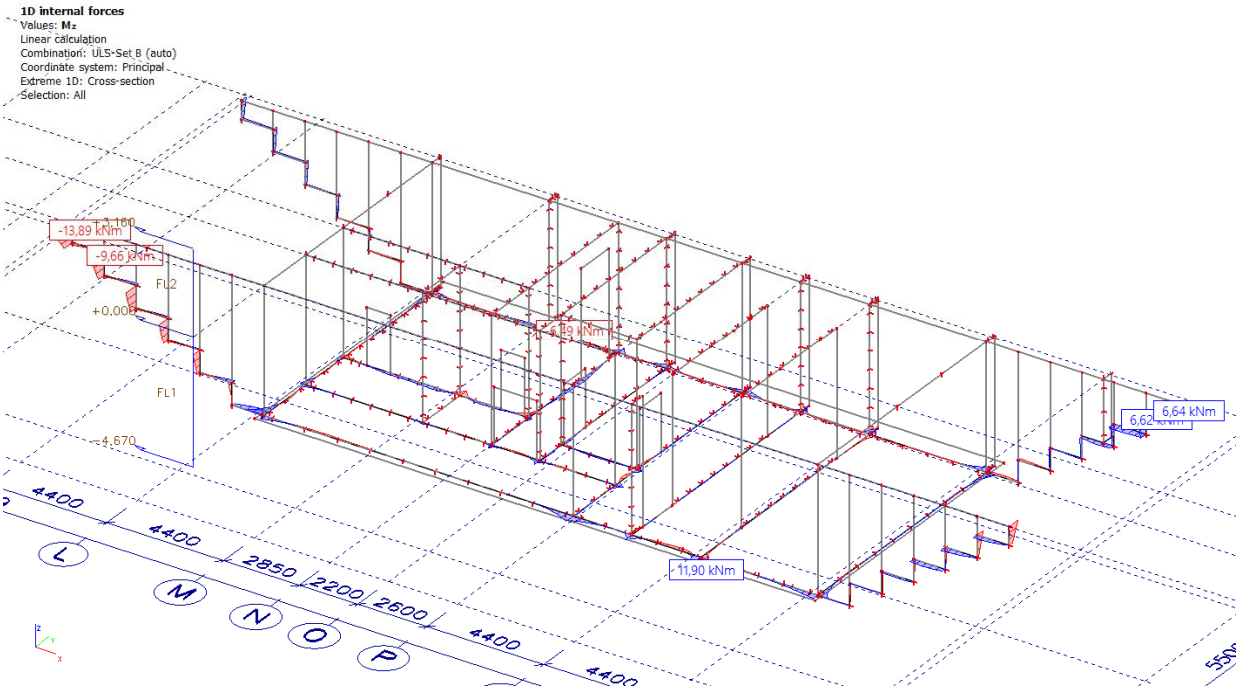
Osne sile Nx (kN)



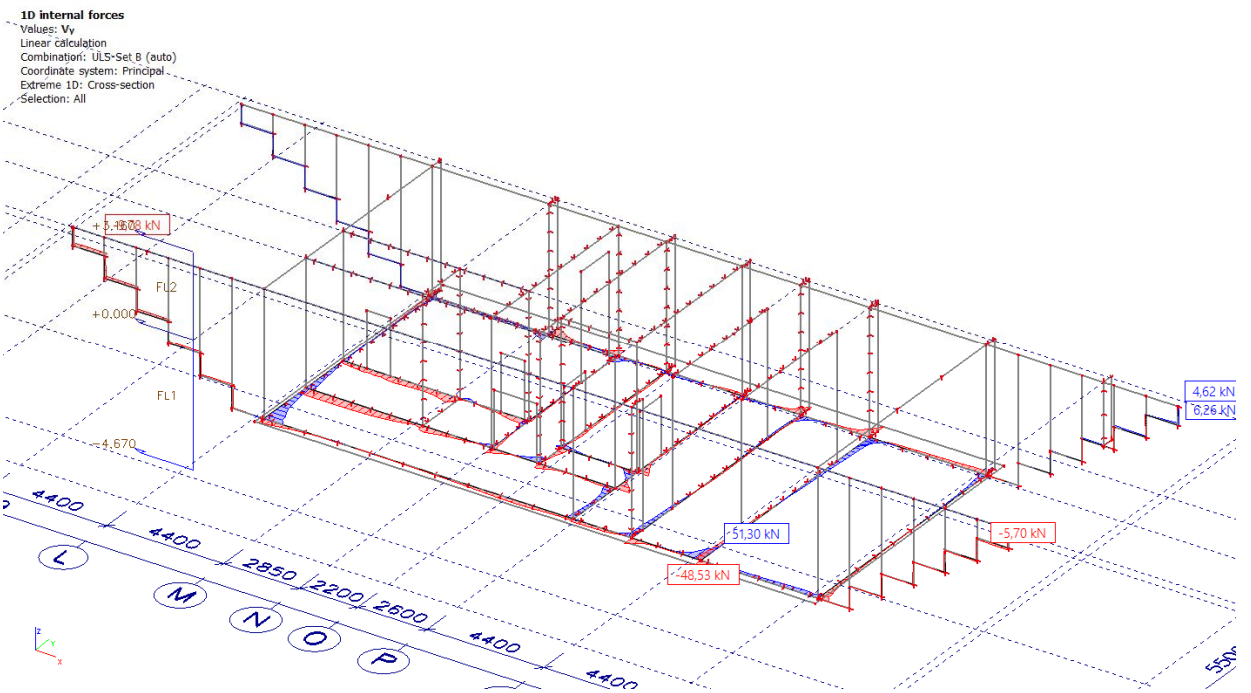
Upogibni momenti My (kNm)



Strižne sile Vz (kN)



Upogibni momenti Mz (kNm)



Strižne sile Vy (kN)

3.2.2 Elementi 2D

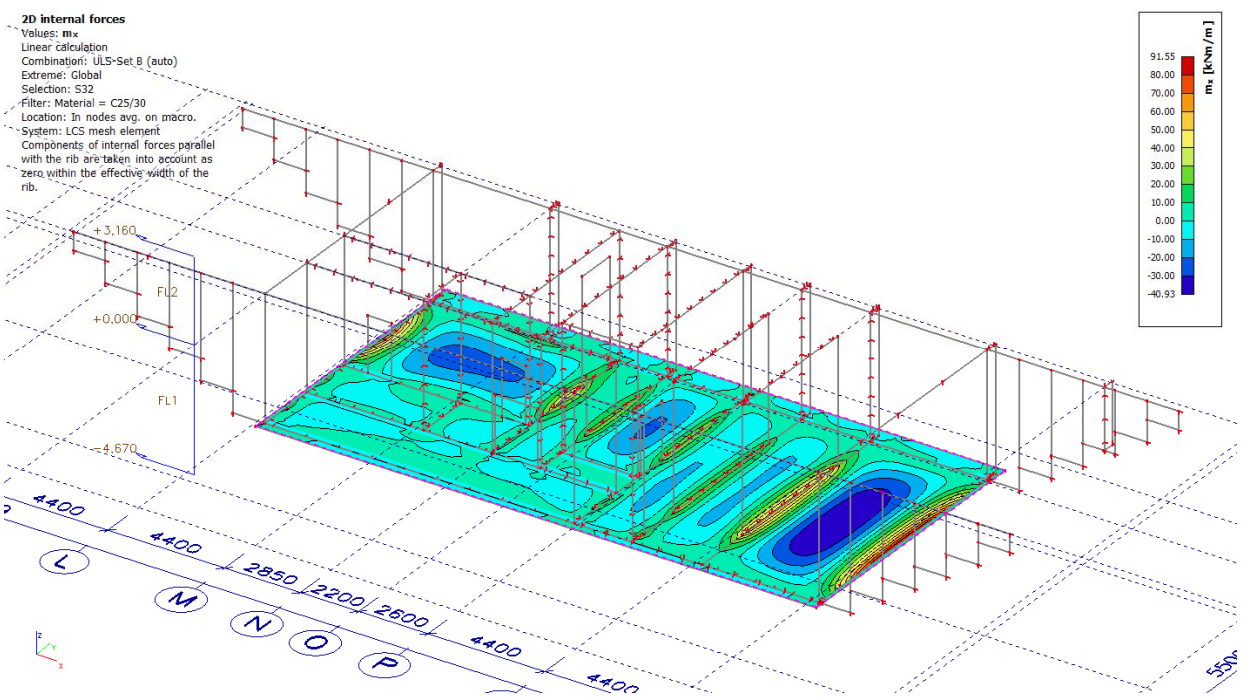
Linear calculation; Combination: ULS-Set B (auto)
Selection: S32; Filter: Material = C25/30
Location: In nodes avg. on macro. System: LCS mesh element

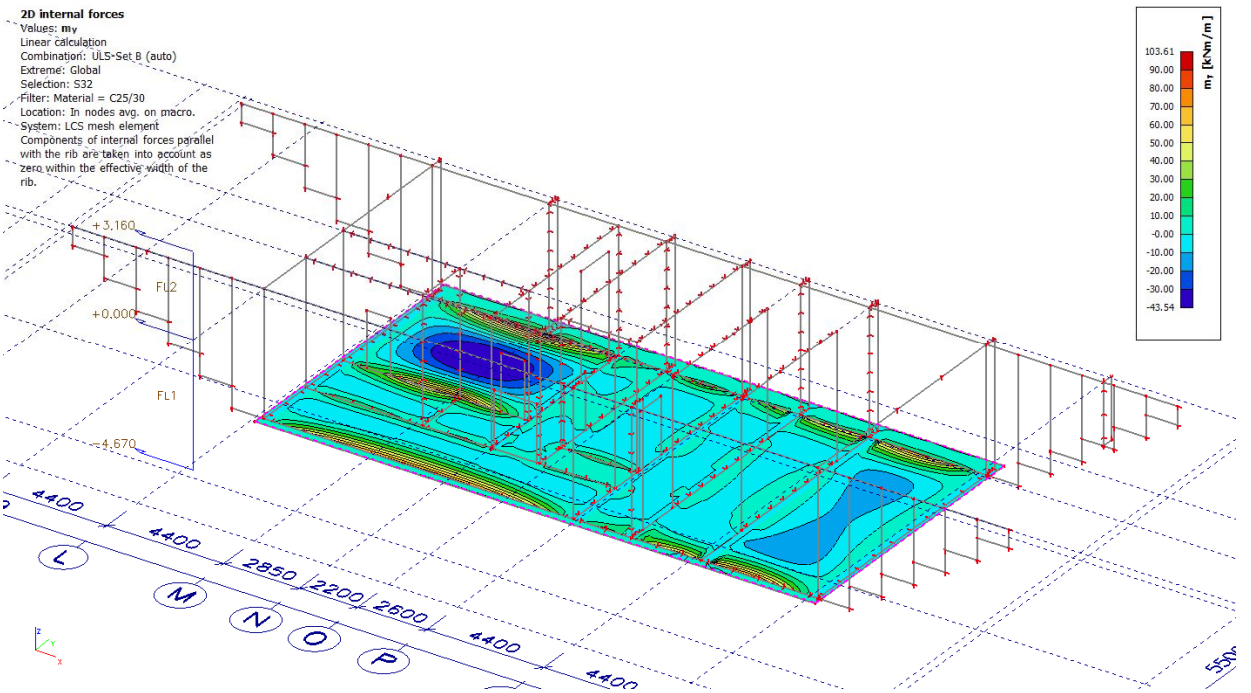
Basic magnitudes

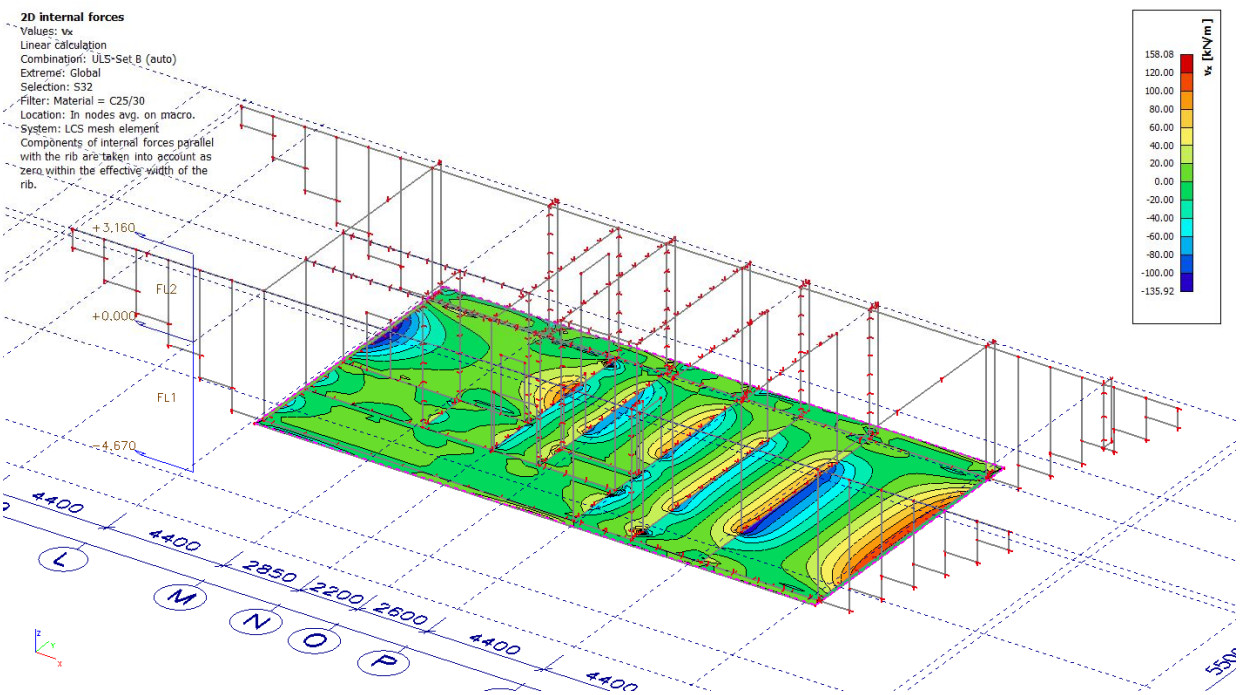
Name	Mesh	Case	m_x [kNm/m] m_y [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m] v_y [kN/m]	n_x [kN/m] n_y [kN/m]	n_{xy} [kN/m]
S32	Element: 9431	ULS-Set B	**-40,93**	0,03	-5,17	-87,28	-1,86

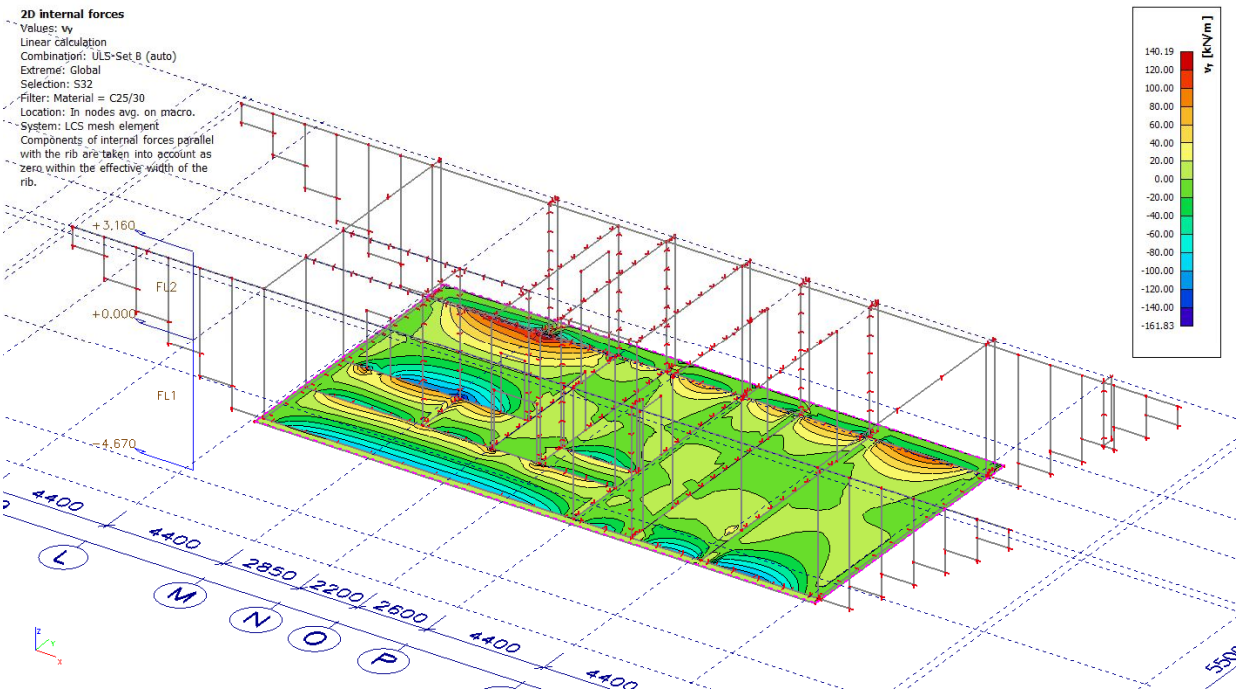
Name	Mesh	Case	m_x [kNm/m] m_y [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m] v_y [kN/m]	n_x [kN/m] n_y [kN/m]	n_{xy} [kN/m]
	Node: 9742	(auto)/1	-11,32		0,43	-52,54	
S32	Element: 9686 Node: 1721	ULS-Set B (auto)/2	**91,55** 0,00	0,00	121,97 0,00	-107,96 0,00	0,00
S32	Element: 10600 Node: 10744	ULS-Set B (auto)/3	-22,64 **-43,54**	0,24	1,86 3,52	-53,08 -85,13	8,06
S32	Element: 10197 Node: 10564	ULS-Set B (auto)/3	-3,17 1,39	**-15,41**	4,68 -28,76	-54,93 -73,79	5,24
S32	Element: 10400 Node: 10571	ULS-Set B (auto)/3	-0,93 -4,63	**14,11**	-27,85 -14,91	-65,17 -38,21	13,80
S32	Element: 10022 Node: 27	ULS-Set B (auto)/2	23,60 0,00	0,00	**-135,92** 0,00	-80,65 0,00	0,00
S32	Element: 7946 Node: 59	ULS-Set B (auto)/2	26,97 0,00	0,00	**158,08** 0,00	-76,45 0,00	0,00
S32	Element: 10336 Node: 25	ULS-Set B (auto)/3	0,00 85,49	0,00	0,00 **-161,83**	0,00 -168,45	0,00
S32	Element: 10282 Node: 8163	ULS-Set B (auto)/3	0,00 **103,61**	0,00	0,00 **140,19**	0,00 -122,18	0,00
S32	Element: 7915 Node: 8466	ULS-Set B (auto)/2	10,29 0,00	0,00	-74,69 0,00	**-133,96** 0,00	0,00
S32	Element: 7852 Node: 113	ULS-Set B (auto)/4	0,00 0,00	0,00	56,37 0,00	**472,67** 0,00	0,00
S32	Element: 10336 Node: 25	ULS-Set B (auto)/5	0,00 84,07	0,00	0,00 -159,16	0,00 **-170,45**	0,00
S32	Element: 10963 Node: 25	ULS-Set B (auto)/3	0,00 32,56	0,00	0,00 99,44	0,00 **101,27**	0,00
S32	Element: 9248 Node: 9493	ULS-Set B (auto)/6	-0,15 5,02	-10,18	4,75 -22,29	-21,54 -45,77	**-49,19**
S32	Element: 7414 Node: 106	ULS-Set B (auto)/3	-0,84 9,69	-2,49	-38,78 8,41	-96,39 -8,31	**72,72**

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC8
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC7
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 0.90*LC5 + 1.50*LC7
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Set B (auto)/6	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.90*LC5 + 1.50*LC7




2D internal forces
Values: my
Linear calculation
Combination: ULS-Set B (auto)
Extreme: Global
Selection: S32
Filter: Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh element
Components of internal forces parallel with the rib are taken into account as zero within the effective width of the rib.
my [kNm/m]
103.61
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
-0.00
-10.00
-20.00
-30.00
-43.54
+3.160
FL2
+0.000
FL1
-4.670
4400
4400
2850
2200
2600
4400
4400
L
M
N
O
P


2D internal forces
Values: vx
Linear calculation
Combination: ULS-Set B (auto)
Extreme: Global
Selection: S32
Filter: Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh element
Components of internal forces parallel with the rib are taken into account as zero within the effective width of the rib.
vx [kN/m]
158.08
120.00
100.00
80.00
60.00
40.00
20.00
0.00
-20.00
-40.00
-60.00
-80.00
-100.00
-135.92
+3.160
FL2
+0.000
FL1
-4.670
4400
4400
2850
2200
2600
4400
4400
L
M
N
O
P

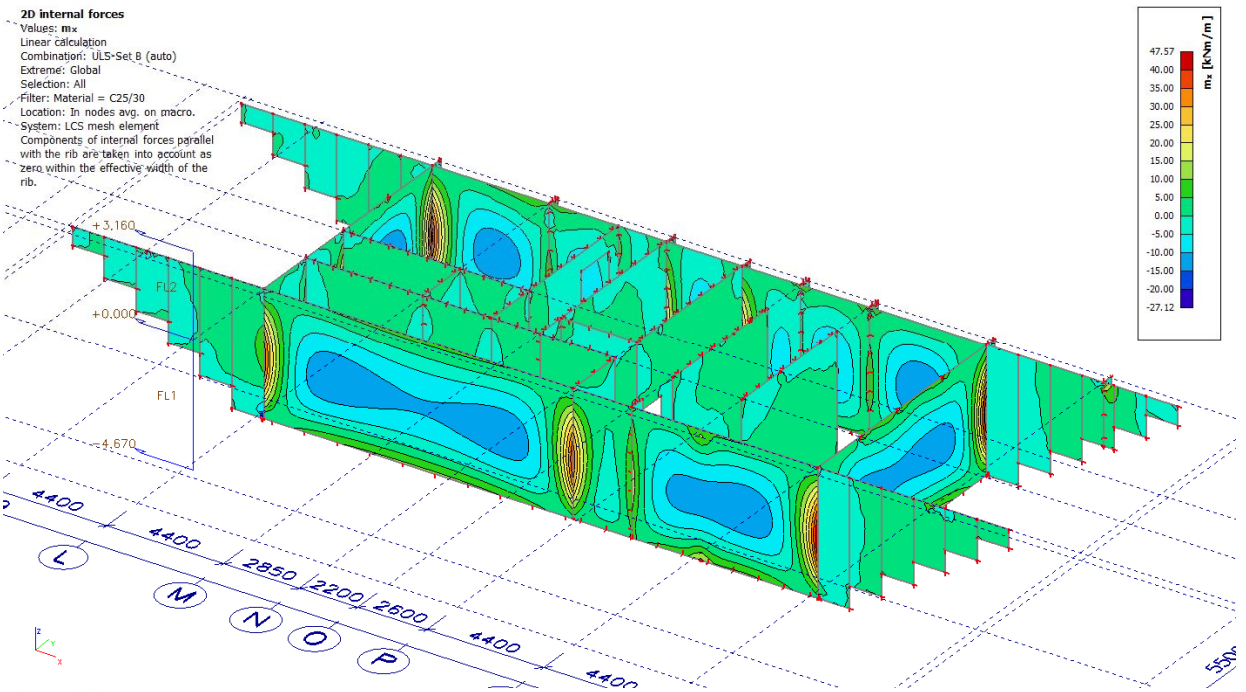


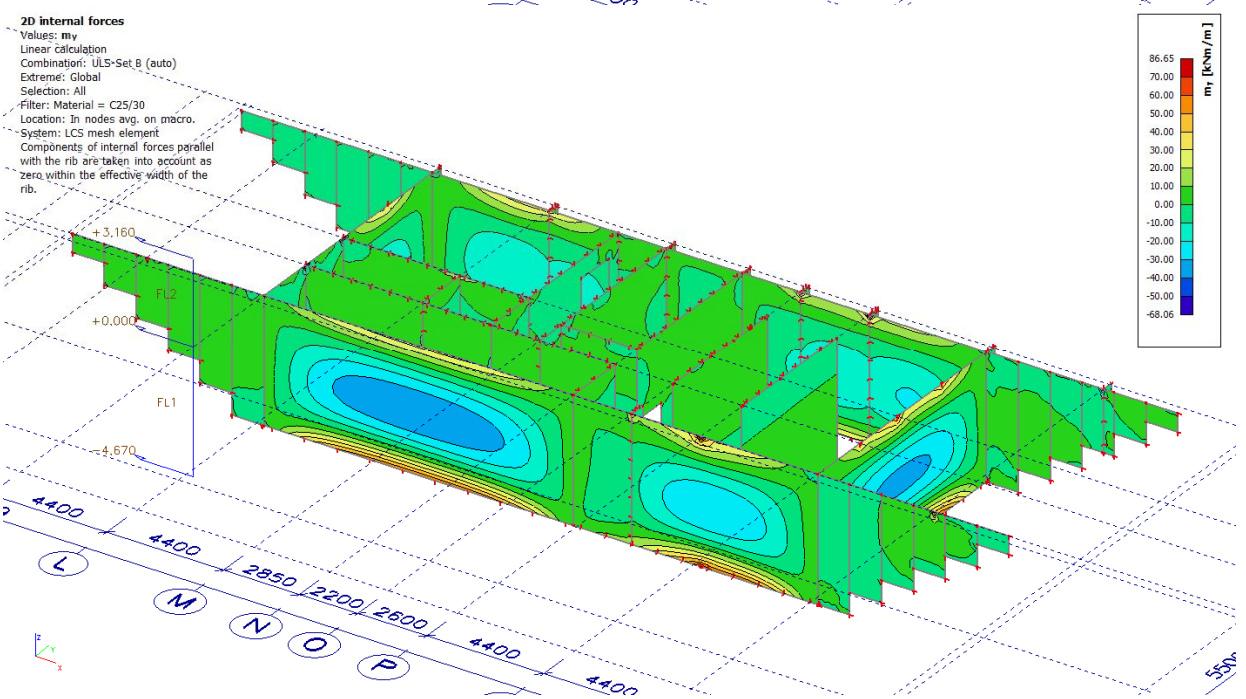
Selection: All
Filter: Material = C25/30
Location: In nodes avg. on macro. System: LCS mesh element

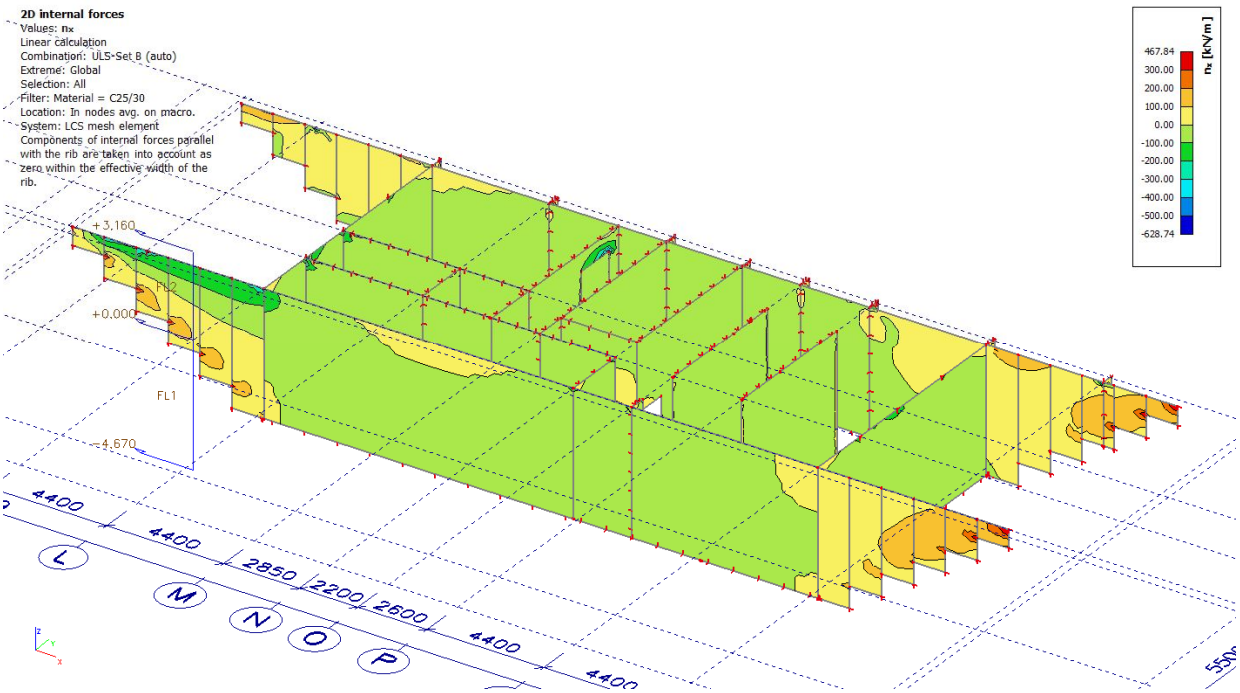
Basic magnitudes

Name	Mesh	Case	m_x [kNm/m] m_y [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m] v_y [kN/m]	n_x [kN/m] n_y [kN/m]	n_{xy} [kN/m]
S147	Element: 27969 Node: 113	ULS-Set B (auto)/1	**-27,12** -2,47	2,02	32,51 -57,92	98,71 -37,65	44,52
S4	Element: 1236 Node: 1352	ULS-Set B (auto)/2	**47,57** 9,17	-0,02	-77,39 0,13	-74,53 -54,67	1,56
S166	Element: 38547 Node: 397	ULS-Set B (auto)/3	7,68 **86,65**	1,73	6,26 -349,05	5,30 -12,48	14,48
S10	Element: 2706 Node: 19	ULS-Set B (auto)/1	-6,48 -65,76	**23,29**	88,00 -448,97	-244,69 -491,38	206,19
S10	Element: 2699 Node: 15	ULS-Set B (auto)/4	-15,51 -60,18	-24,19	**-187,48** -437,19	-224,38 -383,40	-175,48
S136	Element: 26663 Node: 403	ULS-Set B (auto)/1	19,06 50,08	-28,11	**209,43** -275,74	3,88 -61,90	51,17
S11	Element: 2851 Node: 19	ULS-Set B (auto)/4	-14,55 **-68,06**	**-30,99**	-152,75 **-480,91**	-300,21 -520,50	-272,63
S5	Element: 1958 Node: 90	ULS-Set B (auto)/5	19,61 76,84	22,69	146,18 **485,11**	-73,73 -390,84	-6,35
S144	Element: 27890 Node: 442	ULS-Set B (auto)/6	-4,22 2,54	-4,65	-13,05 -5,80	**467,84** 261,72	140,26
S25	Element: 6689 Node: 76	ULS-Set B (auto)/4	-0,10 -0,61	-0,47	-2,60 -2,53	186,50 **711,85**	61,93
S14	Element: 4008 Node: 27	ULS-Set B (auto)/4	0,55 -0,98	-2,36	5,50 -7,53	**-628,74** **-1259,28**	**-464,63**
S154	Element: 28448 Node: 213	ULS-Set B (auto)/4	3,33 -10,03	4,77	14,19 37,82	-252,98 -814,69	**461,53**

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC6
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.90*LC5 + 1.50*LC7
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.90*LC6 + 1.50*LC7
ULS-Set B (auto)/6	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC7


2D internal forces
Values: mx
Linear calculation
Combination: ULS-Set B (auto)
Extreme: Global
Selection: All
Filter: Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh element
Components of internal forces parallel with the rib are taken into account as zero within the effective width of the rib.
+3,160
FL2
+0,000
FL1
-4,670
4400
4400
2850
2200
2600
4400
4400
L
M
N
O
P
mx [kNm/m]
47.57
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
-5.00
-10.00
-15.00
-20.00
-27.12

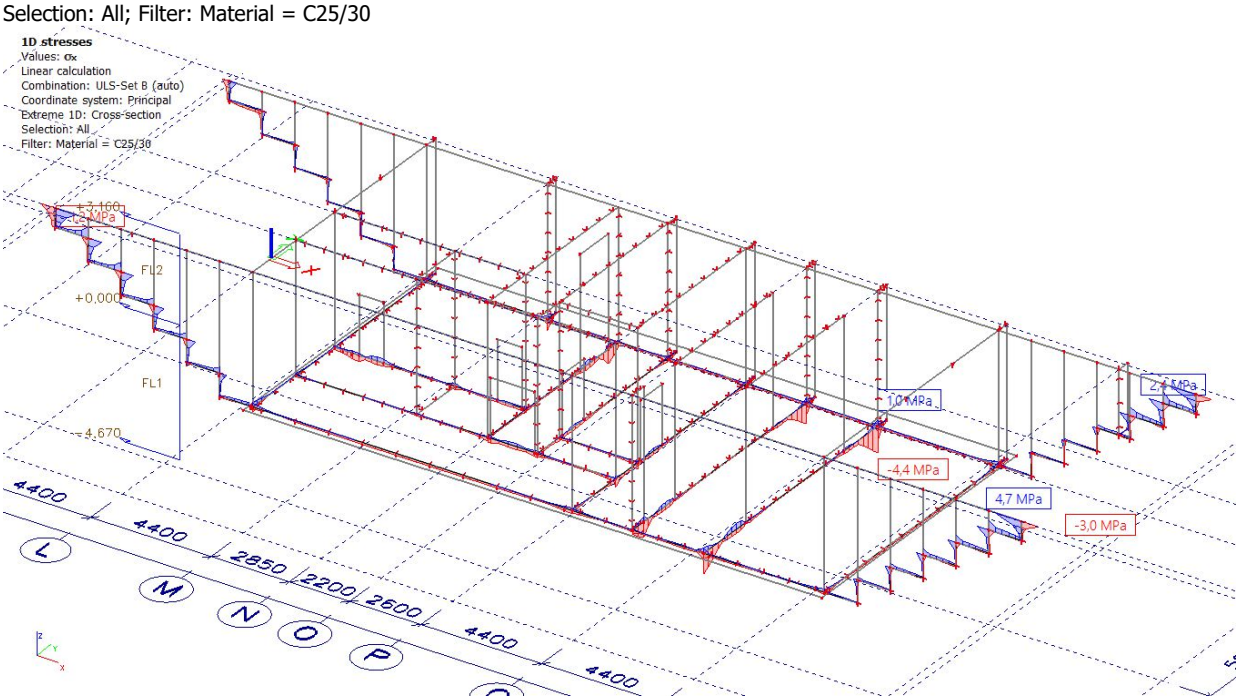

2D internal forces
Values: my
Linear calculation
Combination: ULS-Set B (auto)
Extreme: Global
Selection: All
Filter: Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh element
Components of internal forces parallel with the rib are taken into account as zero within the effective width of the rib.
+3,160
FL2
+0,000
FL1
-4,670
4400
4400
2850
2200
2600
4400
4400
L
M
N
O
P
my [kNm/m]
86.65
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
-10.00
-20.00
-30.00
-40.00
-50.00
-68.06



3.3.NAPETOSTI V ELEMENTIH - ULS

3.3.1 Elementi 1D

Linear calculation
Combination: ULS-Set B (auto); Coordinate system: Principal
Selection: All; Filter: Material = C25/30



Name	dx [m]	Fibre	Case	Cross-section	Material	σ_x [MPa]	τ_{xy} [MPa]	τ_{xz} [MPa]	τ_{tor} [MPa]
B117	0,800	5	ULS-Set B (auto)/1	CS7 - Rectangle (300; 650)	C25/30	**-1,2**	0,0	0,0	0,0
B94	0,800	7	ULS-Set B (auto)/2	CS7 - Rectangle (300; 650)	C25/30	**2,4**	0,0	0,0	0,0
B84	0,670	5	ULS-Set B (auto)/3	CS20 - Rectangle (300; 500)	C25/30	**-3,0**	0,0	0,0	0,0
B84	0,670	1	ULS-Set B (auto)/3	CS20 - Rectangle (300; 500)	C25/30	**4,7**	0,0	0,0	0,0

Name	dx [m]	Fibre	Case	Cross-section	Material	σ_x [MPa]	τ_{xy} [MPa]	τ_{xz} [MPa]	τ_{tor} [MPa]
B140	0,000	5	ULS-Set B (auto)/4	CS9 - Rectangle (300; 500)	C25/30	**-4,4**	0,0	0,0	0,0
B140	0,000	1	ULS-Set B (auto)/5	CS9 - Rectangle (300; 500)	C25/30	**1,0**	0,0	0,0	0,0

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 0.90*LC5 + 1.50*LC7
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC7
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC7
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC8

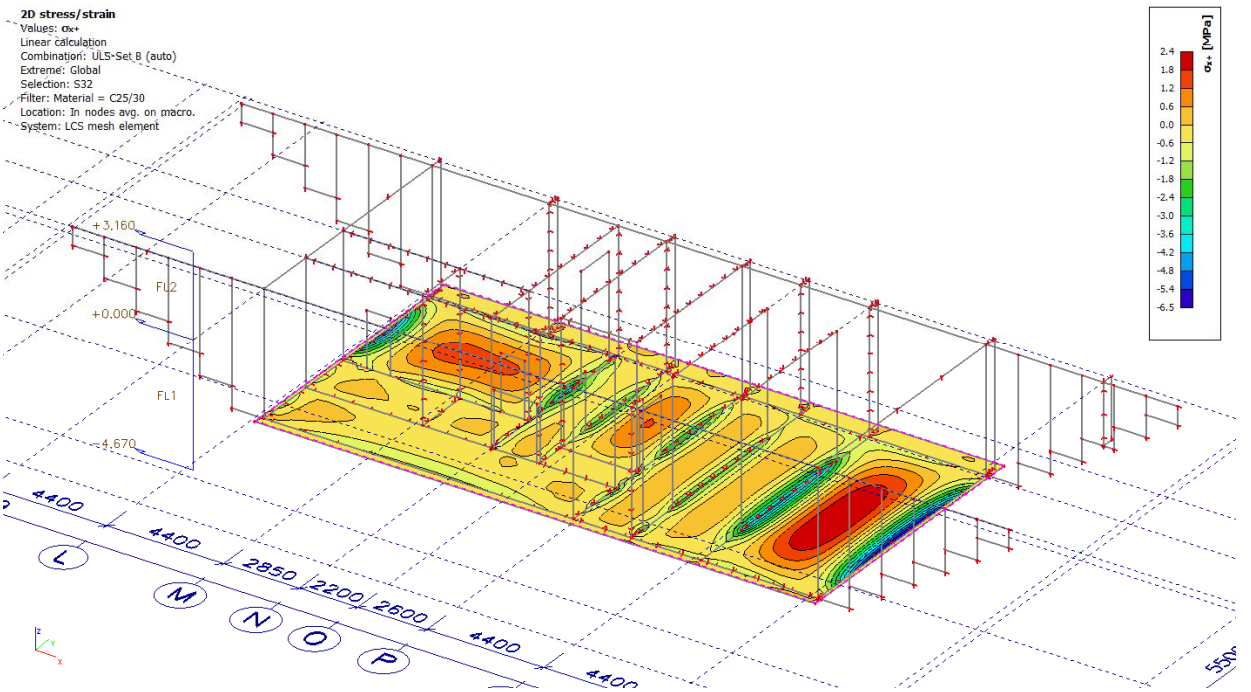
3.3.2 Elementi 2D

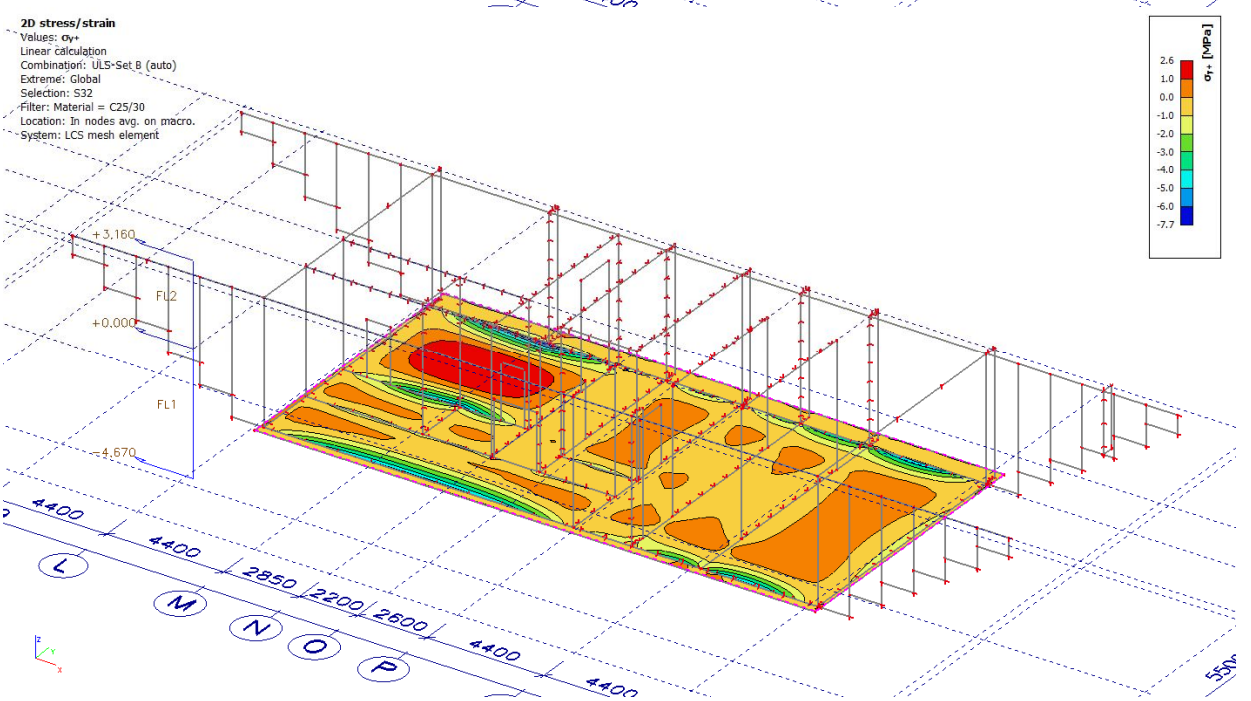
Linear calculation
Combination: ULS-Set B (auto); Extreme: Global; Selection: All
Selection: S32; Filter: Material = C25/30
Location: In nodes avg. on macro. System: LCS mesh element

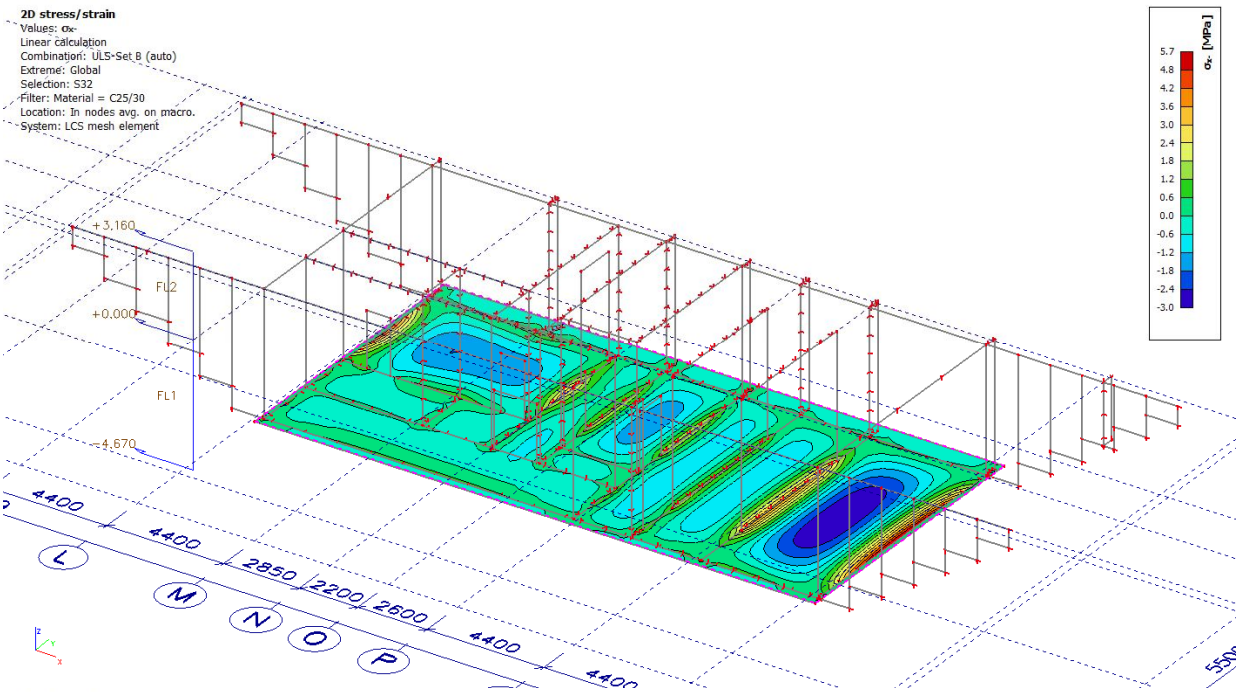
Basic stress

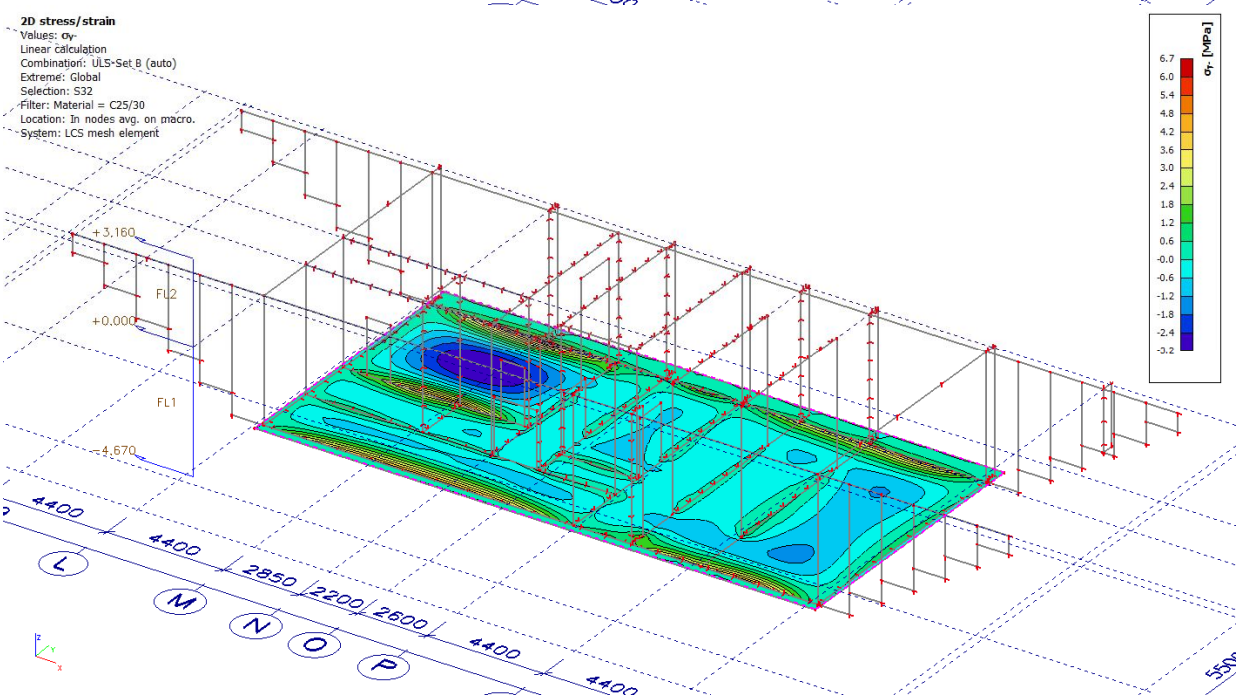
Name	Mesh	Case	σ_{x+} [MPa] σ_{x-} [MPa]	σ_{y+} [MPa] σ_{y-} [MPa]	τ_{xy+} [MPa] τ_{xy-} [MPa]	τ_{xz} [MPa]	τ_{yz} [MPa]
S32	Element: 9686 Node: 1721	ULS-Set B (auto)/1	**-6,5** **5,7**	-1,4 1,0	0,0 0,0	-0,6	0,0
S32	Element: 9431 Node: 9742	ULS-Set B (auto)/2	**2,4** **-3,0**	0,6 -0,9	0,0 0,0	0,0	0,0
S32	Element: 10599 Node: 10743	ULS-Set B (auto)/3	1,4 -1,7	**2,6** -3,2	0,0 0,0	0,0	0,0
S32	Element: 10600 Node: 10744	ULS-Set B (auto)/3	1,3 -1,7	2,6 **-3,2**	0,0 0,0	0,0	0,0
S32	Element: 10320 Node: 10313	ULS-Set B (auto)/3	-1,5 1,1	-0,9 0,7	**-0,9** 0,3	-0,2	-0,5
S32	Element: 7414 Node: 113	ULS-Set B (auto)/4	0,4 1,1	-0,3 0,6	0,1 **-1,1**	-0,2	-0,1
S32	Element: 7852 Node: 113	ULS-Set B (auto)/4	1,6 1,6	1,7 0,1	**1,6** **1,1**	-0,3	-0,6
S32	Element: 7946 Node: 59	ULS-Set B (auto)/1	-2,1 1,5	-1,2 2,0	0,3 0,4	**-0,8**	0,4
S32	Element: 10022 Node: 27	ULS-Set B (auto)/1	-1,8 1,3	-1,3 2,1	0,0 0,5	**0,7**	-0,3
S32	Element: 10281 Node: 77	ULS-Set B (auto)/3	-1,5 1,1	**-7,7** **6,7**	-0,1 0,2	0,0	**-0,9**
S32	Element: 10336 Node: 25	ULS-Set B (auto)/3	-1,2 1,1	-6,3 5,1	0,2 -0,1	0,0	**0,8**

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC8
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC7
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 0.90*LC5 + 1.50*LC7


2D stress/strain
Values: σx+
Linear calculation
Combination: ULS-Set B (auto)
Extreme: Global
Selection: S32
Filter: Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh element
σx+ [MPa]
2.4
1.8
1.2
0.6
0.0
-0.6
-1.2
-1.8
-2.4
-3.0
-3.6
-4.2
-4.8
-5.4
-6.5
+3,160
FL2
+0.000
FL1
-4,670
4400
4400
2850
2200
2600
4400
4400
L
M
N
O
P


2D stress/strain
Values: σy+
Linear calculation
Combination: ULS-Set B (auto)
Extreme: Global
Selection: S32
Filter: Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh element
σy+ [MPa]
2.6
1.0
0.0
-1.0
-2.0
-3.0
-4.0
-5.0
-6.0
-7.7
+3,160
FL2
+0.000
FL1
-4,670
4400
4400
2850
2200
2600
4400
4400
L
M
N
O
P





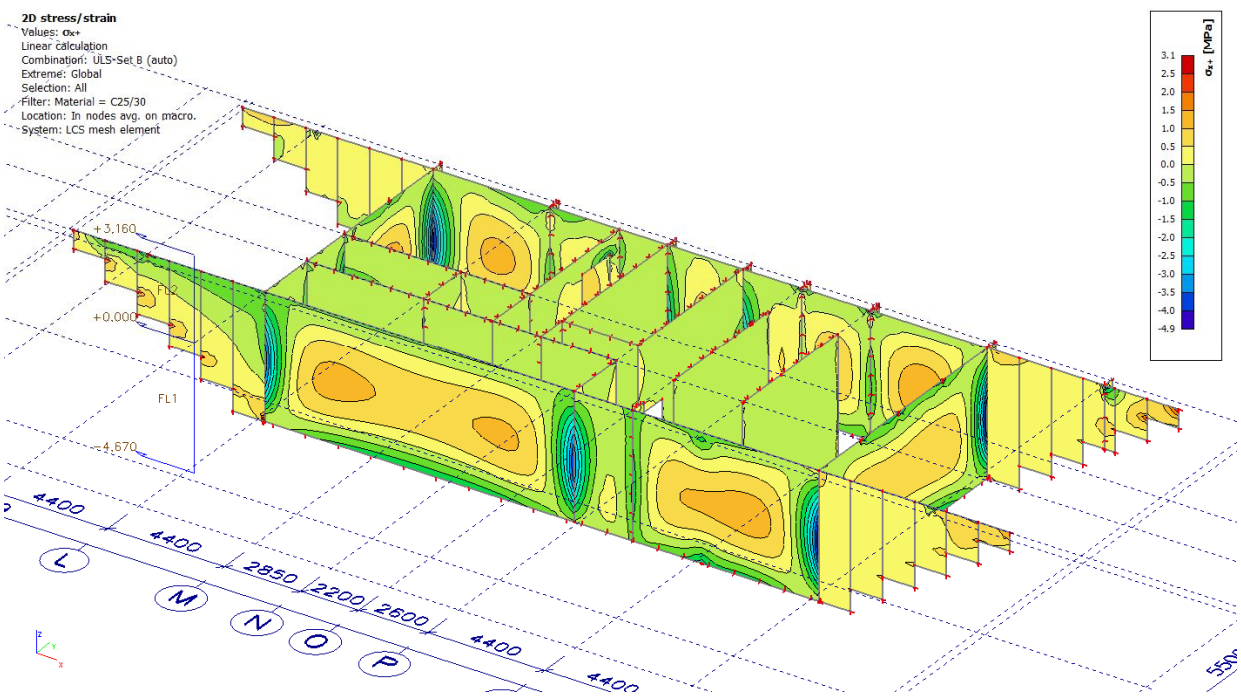
Selection: All
Filter: Material = C25/30
Location: In nodes avg. on macro. System: LCS mesh element

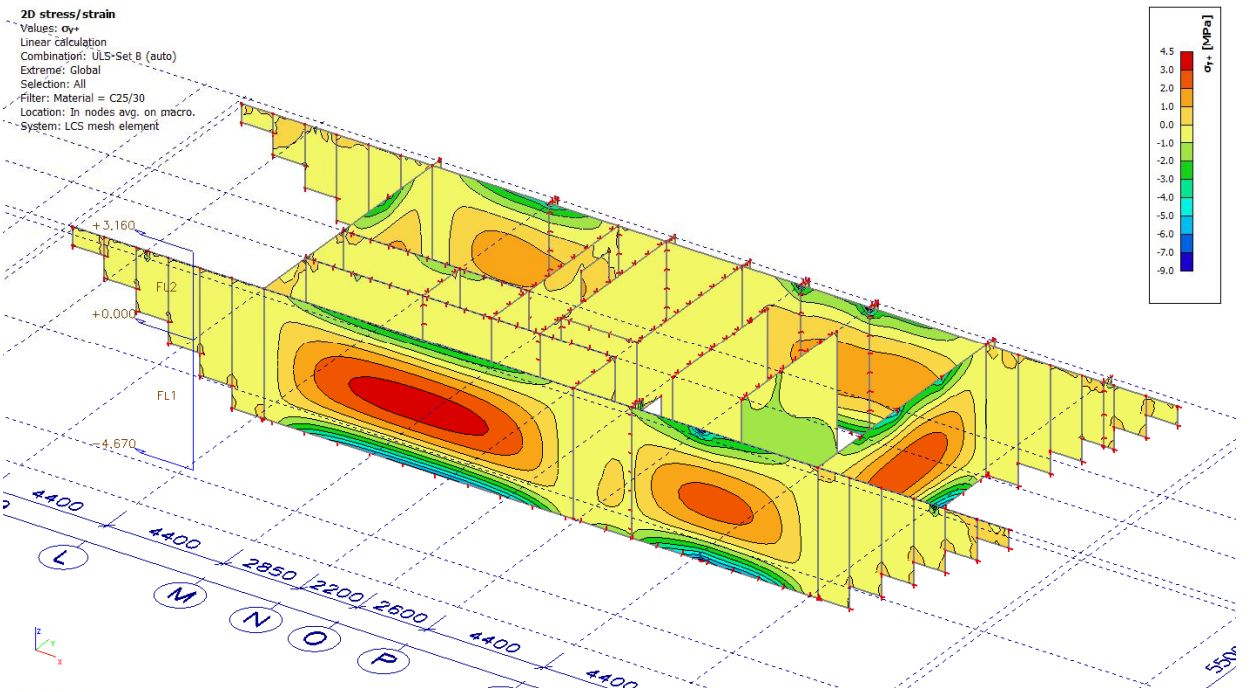
Basic stress

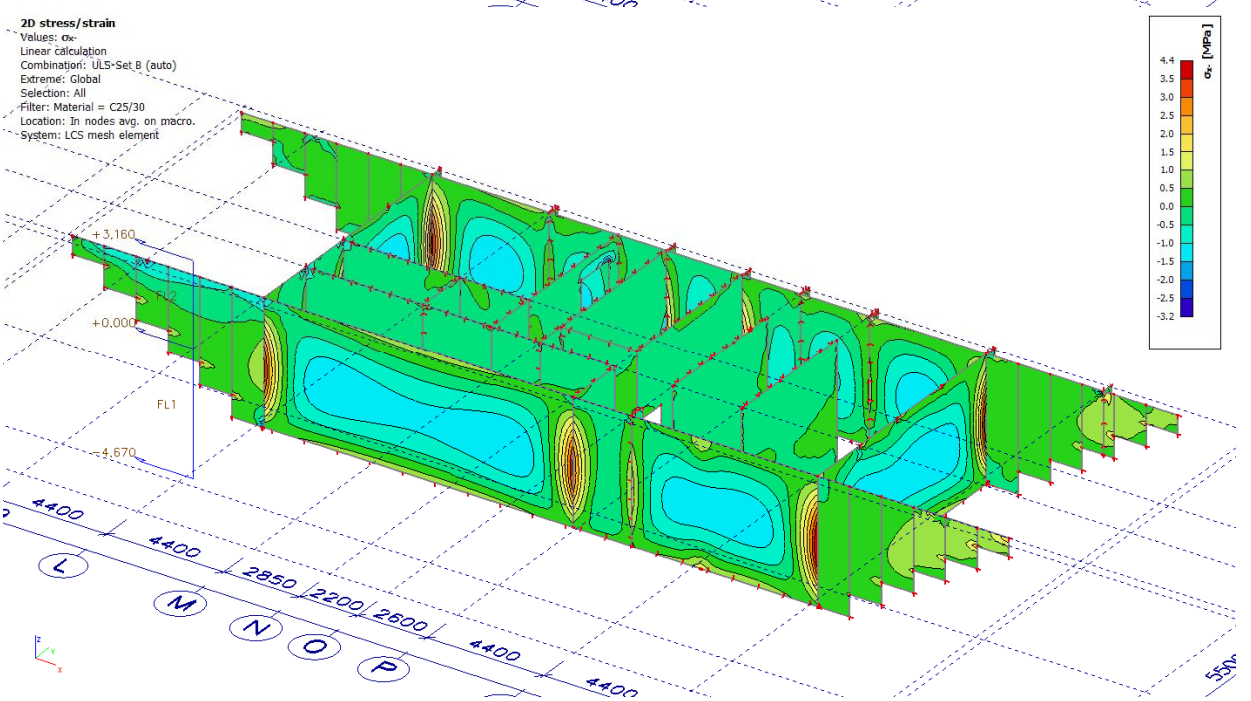
Name	Mesh	Case	σ_{x+} [MPa] σ_{x-} [MPa]	σ_{y+} [MPa] σ_{y-} [MPa]	τ_{xy+} [MPa] τ_{xy-} [MPa]	τ_{xz} [MPa]	τ_{yz} [MPa]
S4	Element: 1236 Node: 1352	ULS-Set B (auto)/1	**-4,9** 4,3	-1,1 0,7	0,0 0,0	0,5	0,0
S147	Element: 27969 Node: 113	ULS-Set B (auto)/2	**3,1** -2,0	0,1 -0,4	0,0 0,4	-0,2	0,3
S21	Element: 5828 Node: 59	ULS-Set B (auto)/3	-2,7 **-3,2**	-5,1 -7,2	2,2 2,1	0,1	-0,2
S166	Element: 38817 Node: 1352	ULS-Set B (auto)/4	-4,4 **4,4**	-1,0 0,7	0,0 0,0	-0,4	0,0

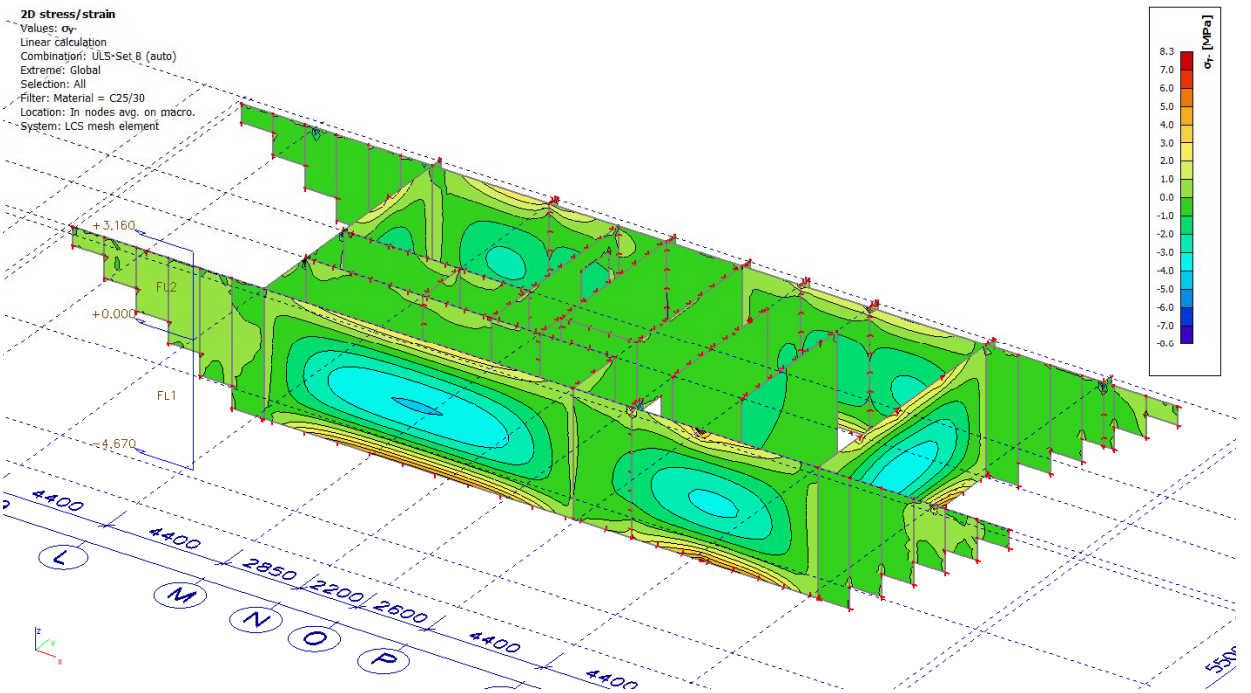
Name	Mesh	Case	σ_{x+} [MPa] σ_{x-} [MPa]	σ_{y+} [MPa] σ_{y-} [MPa]	T_{xy+} [MPa] T_{xy-} [MPa]	T_{xz} [MPa]	T_{yz} [MPa]
S166	Element: 38547 Node: 397	ULS-Set B (auto)/4	-0,7 0,8	-8,4 **8,3**	-0,1 0,2	0,0	2,1
S5	Element: 1958 Node: 90	ULS-Set B (auto)/5	-2,2 1,6	**-9,0** 5,8	**-2,2** 2,1	-0,9	-2,9
S136	Element: 26663 Node: 403	ULS-Set B (auto)/6	-1,7 1,8	-5,1 4,6	**2,9** -2,5	-1,2	1,7
S11	Element: 2851 Node: 19	ULS-Set B (auto)/6	0,2 -2,6	**4,5** **-8,6**	1,9 **-4,1**	0,9	**2,9**
S143	Element: 27833 Node: 347	ULS-Set B (auto)/3	-1,2 -2,1	1,8 -5,0	-1,0 **3,4**	0,4	-1,3
S136	Element: 26663 Node: 403	ULS-Set B (auto)/3	-1,8 1,8	-5,1 4,6	2,9 -2,5	**-1,3**	1,7
S10	Element: 2699 Node: 15	ULS-Set B (auto)/6	0,6 -2,4	4,2 -7,3	1,6 -3,0	**1,1**	2,6
S5	Element: 1958 Node: 90	ULS-Set B (auto)/7	-2,2 1,6	-8,9 5,8	-2,2 2,2	-0,9	**-2,9**

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC6
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC7
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.90*LC5 + 1.50*LC7
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 0.90*LC6 + 1.50*LC7
ULS-Set B (auto)/6	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5
ULS-Set B (auto)/7	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.90*LC6 + 1.50*LC7




2D stress/strain
Values: σy+
Linear calculation
Combination: ULS-Set B (auto)
Extreme: Global
Selection: All
Filter: Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh element
σy+ [MPa]
4.5
3.0
2.0
1.0
0.0
-1.0
-2.0
-3.0
-4.0
-5.0
-6.0
-7.0
-9.0
+3,160
FL2
+0.000
FL1
-4,670
4400
4400
2850
2200
2600
4400
4400
L
M
N
O
P

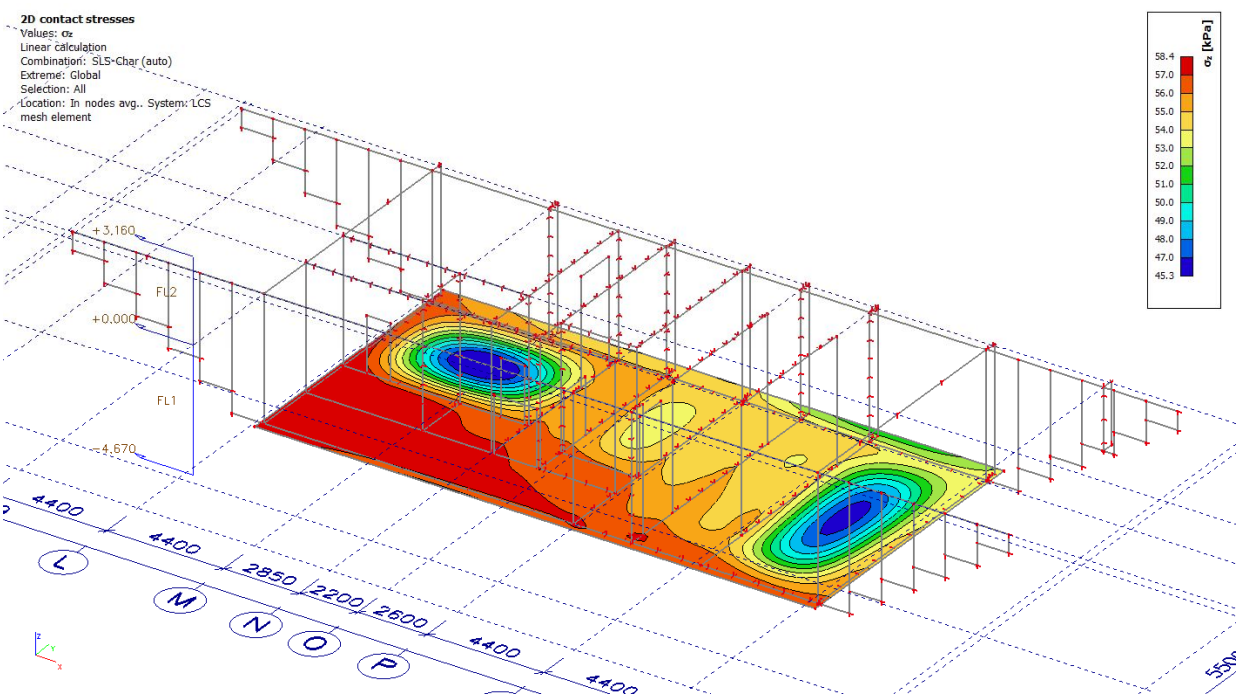

2D stress/strain
Values: σx-
Linear calculation
Combination: ULS-Set B (auto)
Extreme: Global
Selection: All
Filter: Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh element
σx- [MPa]
4.4
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
-2.0
-2.5
-3.2
+3,160
FL2
+0.000
FL1
-4,670
4400
4400
2850
2200
2600
4400
4400
L
M
N
O
P



3.4 KONTAKTNI TLAKI

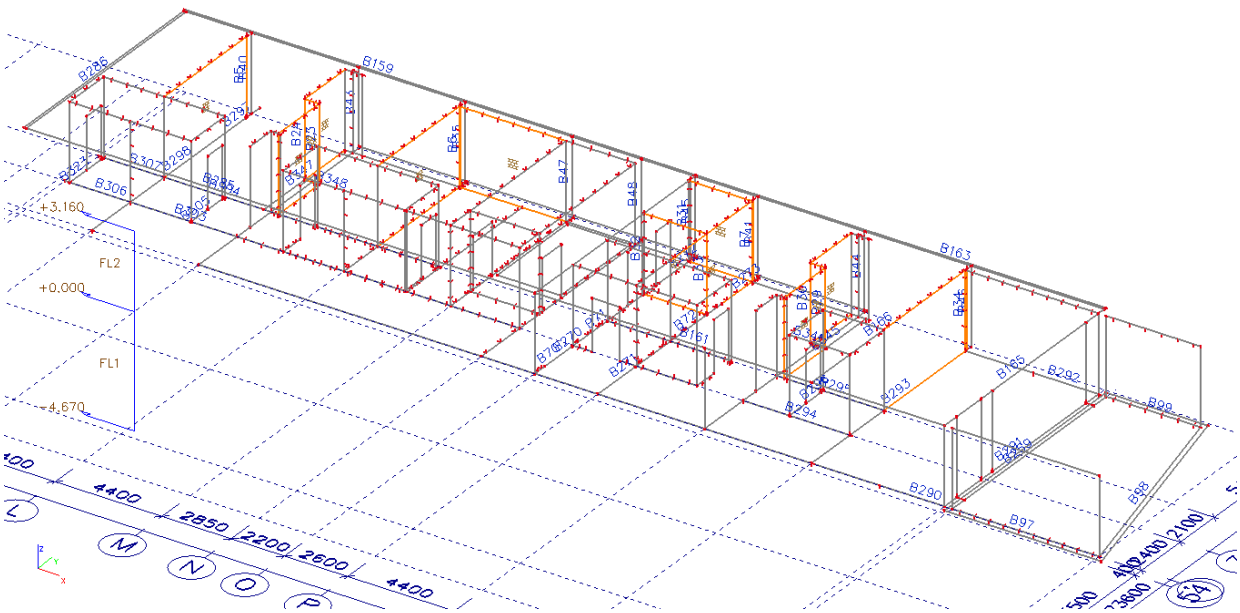
Linear calculation
Extreme: Global; Selection: All
Location: In nodes avg.. System: LCS mesh element

Name	Mesh	Case	τ_{zx} [kPa]	τ_{yz} [kPa]	σ_z [kPa]
S32	Node: 109	SLS-Char (auto)/1	**-0,2**	0,0	50,0
S32	Node: 8018	SLS-Char (auto)/2	**0,1**	-0,2	49,5
S32	Node: 7900	SLS-Char (auto)/3	0,0	**-0,4**	53,9
S32	Node: 8042	SLS-Char (auto)/1	-0,1	**0,3**	48,2
S32	Node: 10744	SLS-Char (auto)/4	-0,2	0,1	**38,6**
S32	Node: 8372	SLS-Char (auto)/5	-0,1	-0,1	**58,4**

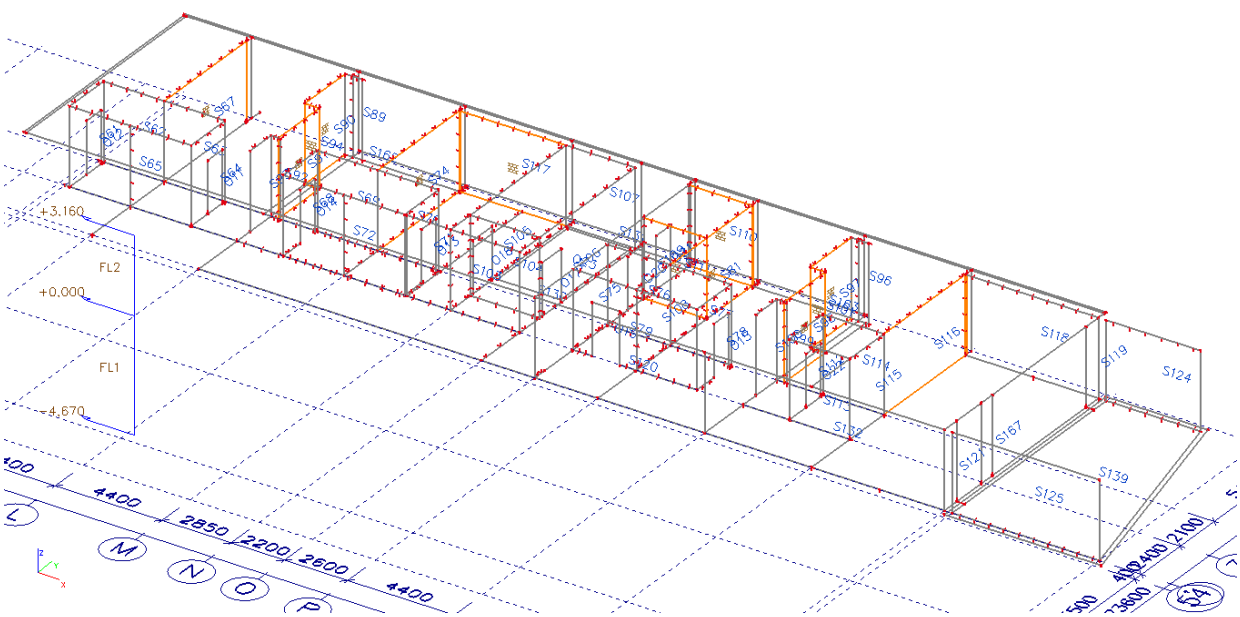


Name	Combination key
SLS-Char (auto)/1	LC1 + LC2 + LC3 + 0.50*LC4 + LC5
SLS-Char (auto)/2	LC1 + LC2 + LC3 + 0.50*LC4 + LC6
SLS-Char (auto)/3	LC1 + LC2 + LC3 + 0.50*LC4 + LC6 + 0.70*LC7
SLS-Char (auto)/4	LC1 + LC2 + LC3 + LC5
SLS-Char (auto)/5	LC1 + LC2 + LC3 + 0.50*LC4 + 0.60*LC5 + LC7

4.0 DIMENZIONIRANJE ELEMENTOV KONSTRUKCIJE – DILATACIJA I''-T



Geometrija – linijski elementi



Geometrija – ploskovni elementi

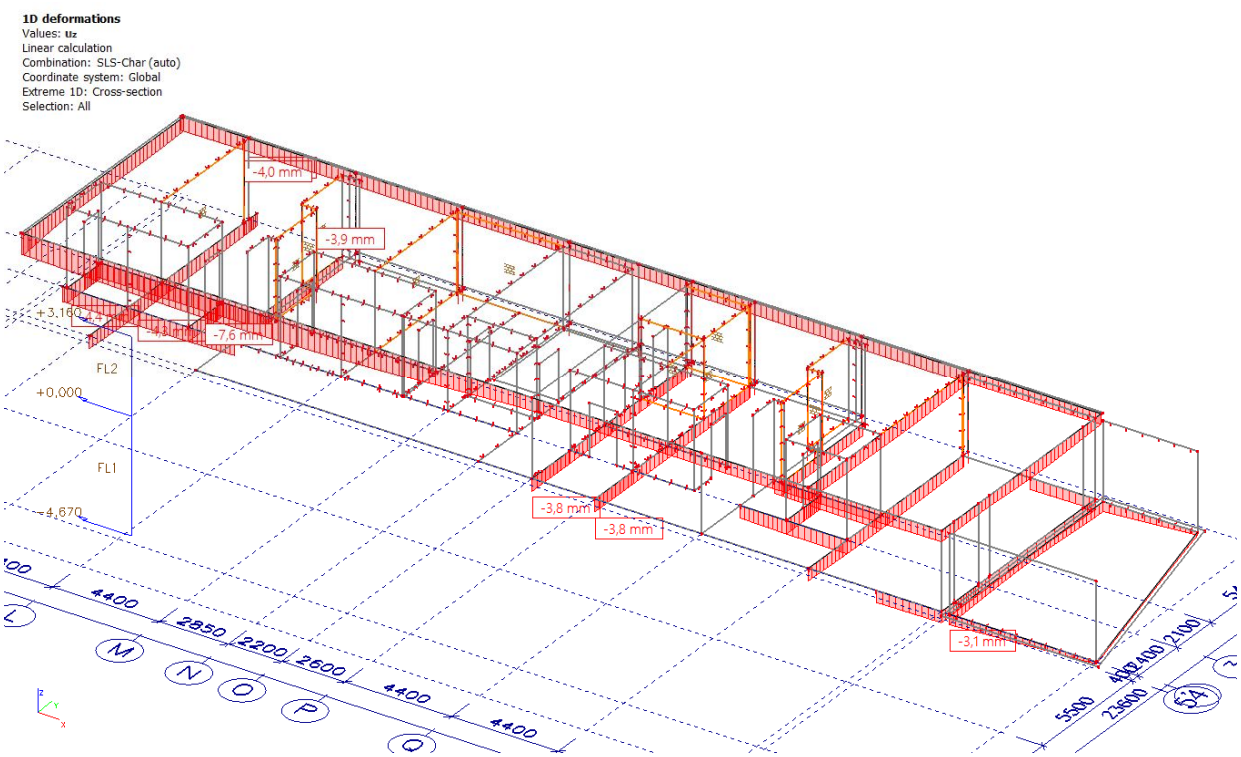
4.1.DEFORMACIJE IN POMIKI

4.1.1 Deformacije 1D elementov

Linear calculation, Extreme : Cross-section, System : Principal
Class : All SLS
Deformations

Name	dx [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
B165	4,229-	SLS-Char (auto)/1	**-0,5**	0,1	-3,5	-0,2	-1,2	0,0	3,6
B269	5,760-	SLS-Char (auto)/2	**0,2**	-0,2	-1,9	-0,1	-0,7	0,0	1,9
B285	10,076-	SLS-Char (auto)/3	-0,1	**-0,9**	-7,0	1,6	-0,1	0,0	7,0
B35	1,580-	SLS-Char (auto)/4	0,0	**0,3**	-3,4	0,0	0,0	0,0	3,4
B285	7,582-	SLS-Char (auto)/5	-0,1	-0,7	**-7,6**	1,6	0,0	0,0	**7,6**
B98	3,886-	SLS-Char (auto)/6	0,0	-0,1	**-0,4**	0,0	-0,1	0,0	0,4
B161	13,892-	SLS-Char (auto)/7	-0,2	0,2	-3,3	**-0,4**	-0,1	0,0	3,3
B285	9,827-	SLS-Char (auto)/6	-0,1	-0,8	-7,1	**1,8**	-0,1	0,0	7,2
B165	4,480-	SLS-Char (auto)/5	-0,5	-0,2	-3,6	-0,2	**-1,2**	0,0	3,6
B166	5,488-	SLS-Char (auto)/6	0,0	-0,2	-4,1	0,0	**0,3**	0,0	4,1
B285	0,000	SLS-Char (auto)/6	-0,1	-0,3	-6,2	0,6	-0,1	**-0,1**	6,2
B165	1,267-	SLS-Char (auto)/7	-0,3	0,0	-3,1	0,0	-0,5	**0,1**	3,1

Name	Combination key
SLS-Char (auto)/1	LC1 + LC2 + LC3 + LC4 + 0.60*LC6 + 0.70*LC7
SLS-Char (auto)/2	LC1 + LC2 + LC3 + 0.50*LC4 + LC5
SLS-Char (auto)/3	LC1 + LC2 + LC3 + 0.50*LC4 + LC5 + 0.70*LC8
SLS-Char (auto)/4	LC1 + LC2 + LC3 + 0.50*LC4 + LC6
SLS-Char (auto)/5	LC1 + LC2 + LC3 + LC4 + 0.60*LC5 + 0.70*LC7
SLS-Char (auto)/6	LC1 + LC2 + LC3 + LC4 + 0.60*LC5
SLS-Char (auto)/7	LC1 + LC2 + LC3 + LC4 + 0.60*LC6



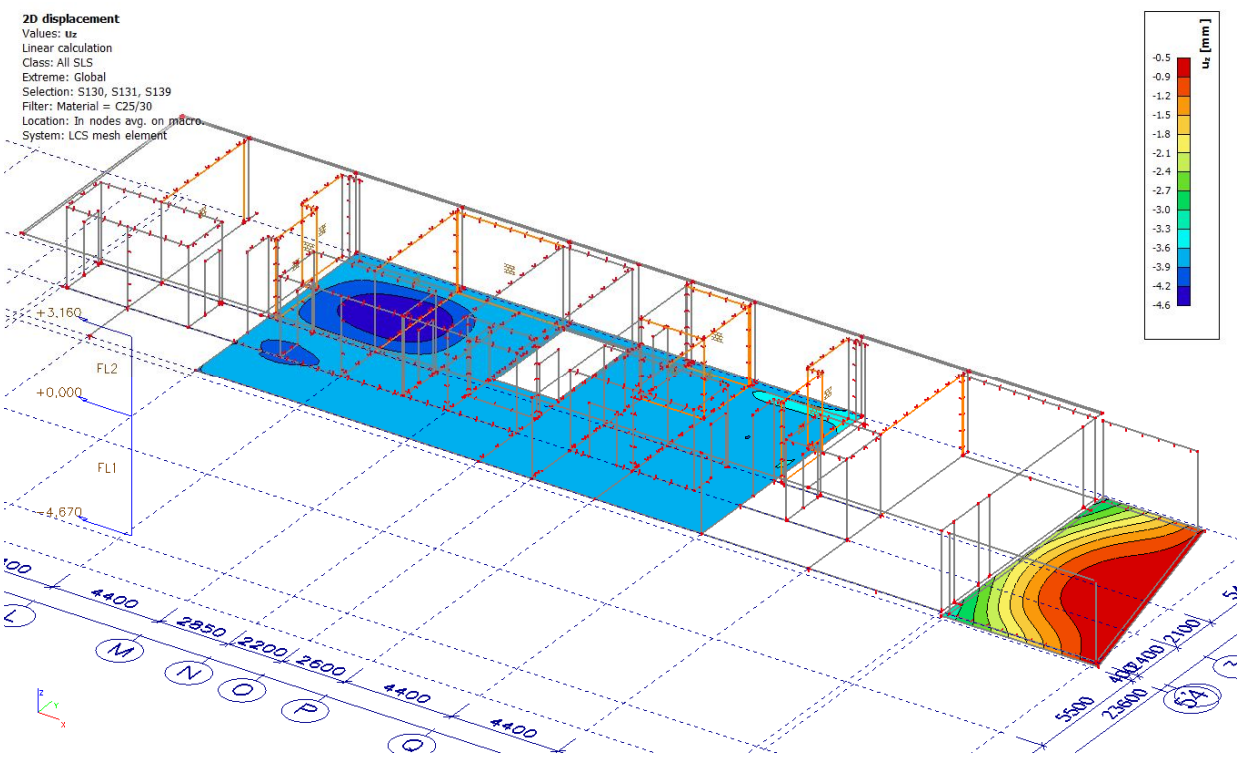
4.1.2 Deformacije 2D elementov

Linear calculation
Class: All SLS; Extreme: Global; Selection: All; Selection: S130, S131, S139
Filter: Material = C25/30
Location: In nodes avg. on macro. System: LCS mesh element

Name	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
S139	SLS-Char (auto)/1	**-0,1**	0,1	-1,4	0,1	-0,7	0,0	1,4
S131	SLS-Char (auto)/2	**0,1**	-0,2	-3,5	-0,1	0,0	0,0	3,5
S130	SLS-Char (auto)/3	0,0	**-0,3**	-3,1	0,0	0,1	0,0	3,1
S139	SLS-Char (auto)/4	-0,1	**0,2**	-2,5	-0,3	-0,5	0,0	2,5
S130	SLS-Char (auto)/5	0,0	0,1	**-4,6**	0,0	0,0	0,0	**4,6**
S139	SLS-Char (auto)/6	-0,1	-0,1	**-0,4**	0,0	-0,2	0,0	0,4

Name	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
S130	SLS-Char (auto)/7	0,0	0,1	-4,2	**-0,5**	0,0	0,0	4,2
S130	SLS-Char (auto)/8	0,0	-0,1	-4,1	**0,6**	0,0	0,0	4,1
S139	SLS-Char (auto)/9	-0,1	-0,1	-2,1	0,3	**-0,8**	0,0	2,1
S130	SLS-Char (auto)/10	-0,1	0,0	-3,4	0,0	**0,4**	0,0	3,4
S139	SLS-Char (auto)/6	0,0	-0,1	-0,6	0,0	-0,4	**-0,1**	0,6
S139	SLS-Char (auto)/11	0,0	-0,2	-2,7	0,3	-0,4	**0,0**	2,7
S139	SLS-Char (auto)/12	-0,1	0,0	-0,4	0,0	-0,1	0,0	**0,4**

Name	Combination key
SLS-Char (auto)/1	LC1 + LC2 + LC3 + 0.50*LC4 + LC6 + 0.70*LC7
SLS-Char (auto)/2	LC1 + LC2 + LC3 + LC5 + 0.70*LC8
SLS-Char (auto)/3	LC1 + LC2 + LC3 + LC5
SLS-Char (auto)/4	LC1 + LC2 + LC3 + 0.50*LC4 + LC6
SLS-Char (auto)/5	LC1 + LC2 + LC3 + 0.50*LC4 + 0.60*LC6 + LC7
SLS-Char (auto)/6	LC1 + LC2 + LC3 + LC4 + 0.60*LC5
SLS-Char (auto)/7	LC1 + LC2 + LC3 + LC4 + 0.60*LC6 + 0.70*LC7
SLS-Char (auto)/8	LC1 + LC2 + LC3 + LC4 + 0.60*LC5 + 0.70*LC8
SLS-Char (auto)/9	LC1 + LC2 + LC3 + LC4 + 0.60*LC5 + 0.70*LC7
SLS-Char (auto)/10	LC1 + LC2 + LC3 + LC4 + 0.60*LC6
SLS-Char (auto)/11	LC1 + LC2 + LC3 + 0.50*LC4 + LC5 + 0.70*LC7
SLS-Char (auto)/12	LC1 + LC2 + LC3 + LC4



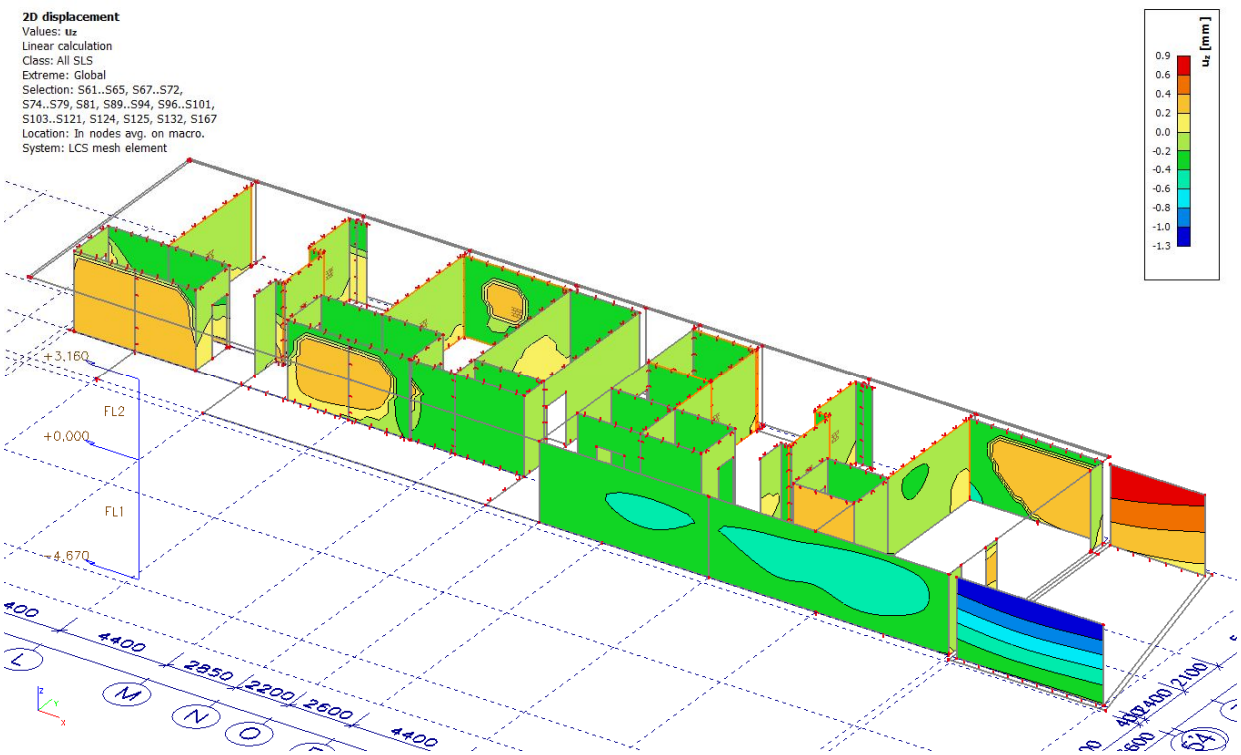
Deformacije Uz [mm]

Extreme: Global; Selection: All
Location: In nodes avg. on macro. System: LCS mesh element

Name	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
S124	SLS-Char (auto)/1	**-1,8**	3,0	0,8	-0,2	0,0	-0,5	3,6
S119	SLS-Char (auto)/2	**0,4**	-2,9	-0,1	-0,1	-0,1	0,0	2,9
S74	SLS-Char (auto)/1	0,0	**-4,6**	-0,1	0,0	0,0	0,0	**4,6**
S65	SLS-Char (auto)/3	-0,1	**4,5**	-0,1	0,3	0,0	-0,2	4,5
S125	SLS-Char (auto)/4	-1,3	1,9	**-1,3**	0,4	0,0	-0,4	2,7
S124	SLS-Char (auto)/2	-1,7	2,7	**0,9**	-0,2	0,0	-0,5	3,3
S167	SLS-Char (auto)/3	-0,3	-3,2	-0,1	**-1,0**	0,1	-0,1	3,2
S72	SLS-Char (auto)/3	-0,1	3,9	-0,2	**0,5**	0,0	0,0	3,9

Name	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
S119	SLS-Char (auto)/3	0,0	-3,0	-0,1	-0,1	**-0,2**	-0,1	3,0
S121	SLS-Char (auto)/3	-0,2	-3,2	-0,1	-0,2	**0,2**	0,1	3,2
S124	SLS-Char (auto)/1	-0,1	2,4	0,1	-0,2	0,0	**-0,6**	2,4
S74	SLS-Char (auto)/5	-0,1	-4,1	0,0	-0,1	0,0	**0,5**	4,1
S125	SLS-Char (auto)/6	-0,1	0,5	0,1	0,2	0,0	-0,4	**0,5**

Name	Combination key
SLS-Char (auto)/1	LC1 + LC2 + LC3 + LC4 + 0.60*LC6 + 0.70*LC7
SLS-Char (auto)/2	LC1 + LC2 + LC3 + 0.50*LC4 + LC6
SLS-Char (auto)/3	LC1 + LC2 + LC3 + LC4 + 0.60*LC5 + 0.70*LC7
SLS-Char (auto)/4	LC1 + LC2 + LC3 + 0.50*LC4 + LC5 + 0.70*LC7
SLS-Char (auto)/5	LC1 + LC2 + LC3 + LC4 + 0.60*LC5 + 0.70*LC8
SLS-Char (auto)/6	LC1 + LC2 + LC3 + LC4 + 0.60*LC6

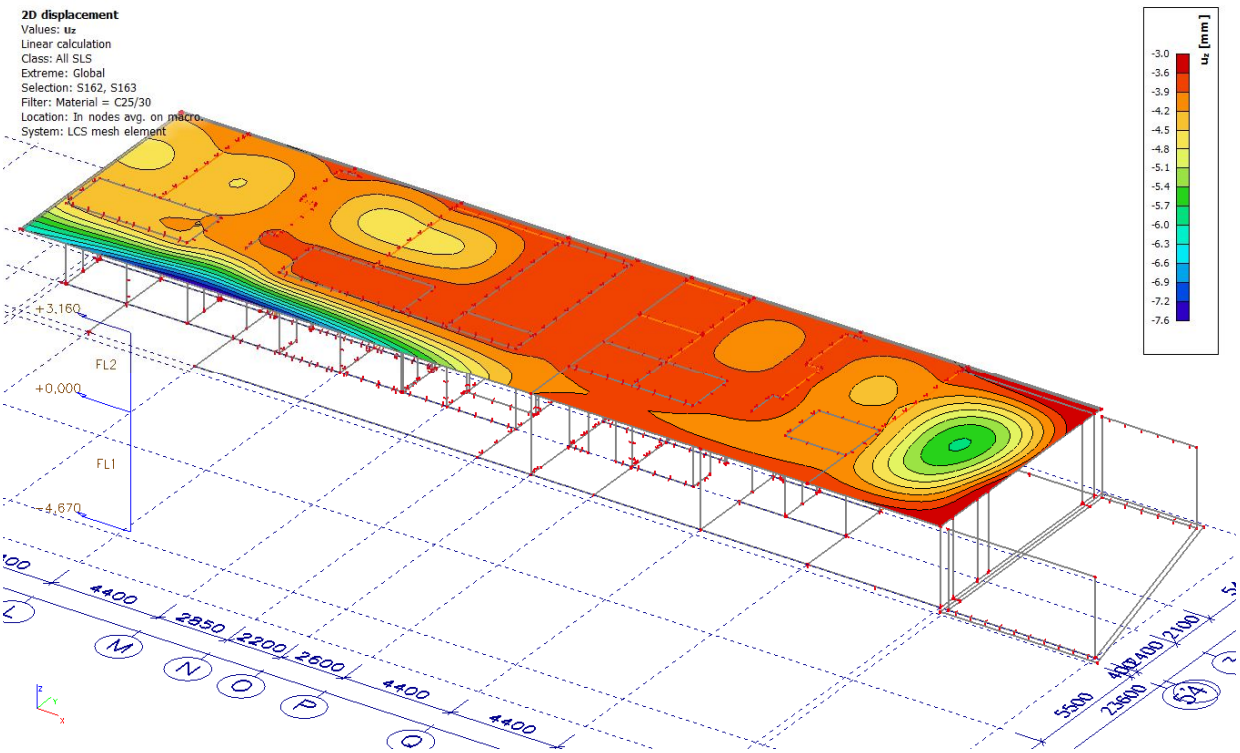


Selection: S162, S163
Filter: Material = C25/30
Location: In nodes avg. on macro. System: LCS mesh element

Name	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
S163	SLS-Char (auto)/1	**-0,2**	0,2	-3,0	0,2	-0,1	0,1	3,0
S162	SLS-Char (auto)/2	**0,1**	-0,2	-3,7	0,2	0,0	0,0	3,7
S163	SLS-Char (auto)/2	-0,1	**-0,4**	-3,1	-0,2	-0,9	0,0	3,1
S162	SLS-Char (auto)/3	-0,1	**0,2**	-5,1	0,7	0,0	0,0	5,1
S162	SLS-Char (auto)/4	-0,1	-0,2	**-7,6**	1,6	0,0	0,0	**7,6**
S163	SLS-Char (auto)/5	-0,1	0,1	-3,9	**-0,7**	-0,1	0,0	3,9
S162	SLS-Char (auto)/6	-0,1	-0,2	-6,7	**1,8**	-0,1	0,0	6,7
S163	SLS-Char (auto)/4	-0,1	-0,2	-3,9	-0,3	**-1,2**	0,0	3,9
S163	SLS-Char (auto)/7	-0,1	-0,1	-4,6	-0,1	**0,8**	0,0	4,6
S162	SLS-Char (auto)/6	-0,1	-0,1	-6,0	0,8	0,1	**-0,2**	6,0
S163	SLS-Char (auto)/5	-0,1	0,1	-3,1	0,0	-0,5	**0,1**	3,1
S163	SLS-Char (auto)/8	-0,1	-0,3	**-2,7**	0,2	-0,1	0,0	**2,7**

Name	Combination key
SLS-Char (auto)/1	LC1 + LC2 + LC3 + 0.50*LC4 + LC6 + 0.70*LC7
SLS-Char (auto)/2	LC1 + LC2 + LC3 + LC5 + 0.70*LC8
SLS-Char (auto)/3	LC1 + LC2 + LC3 + 0.50*LC4 + LC6

Name	Combination key
SLS-Char (auto)/4	LC1 + LC2 + LC3 + LC4 + 0.60*LC5 + 0.70*LC7
SLS-Char (auto)/5	LC1 + LC2 + LC3 + LC4 + 0.60*LC6
SLS-Char (auto)/6	LC1 + LC2 + LC3 + LC4 + 0.60*LC5
SLS-Char (auto)/7	LC1 + LC2 + LC3 + LC4
SLS-Char (auto)/8	LC1 + LC2 + LC3 + LC5



Deformacije Uz [mm]

4.2.NOTRANJE STATIČNE KOLIČINE - ULS

4.2.1 Elementi 1D

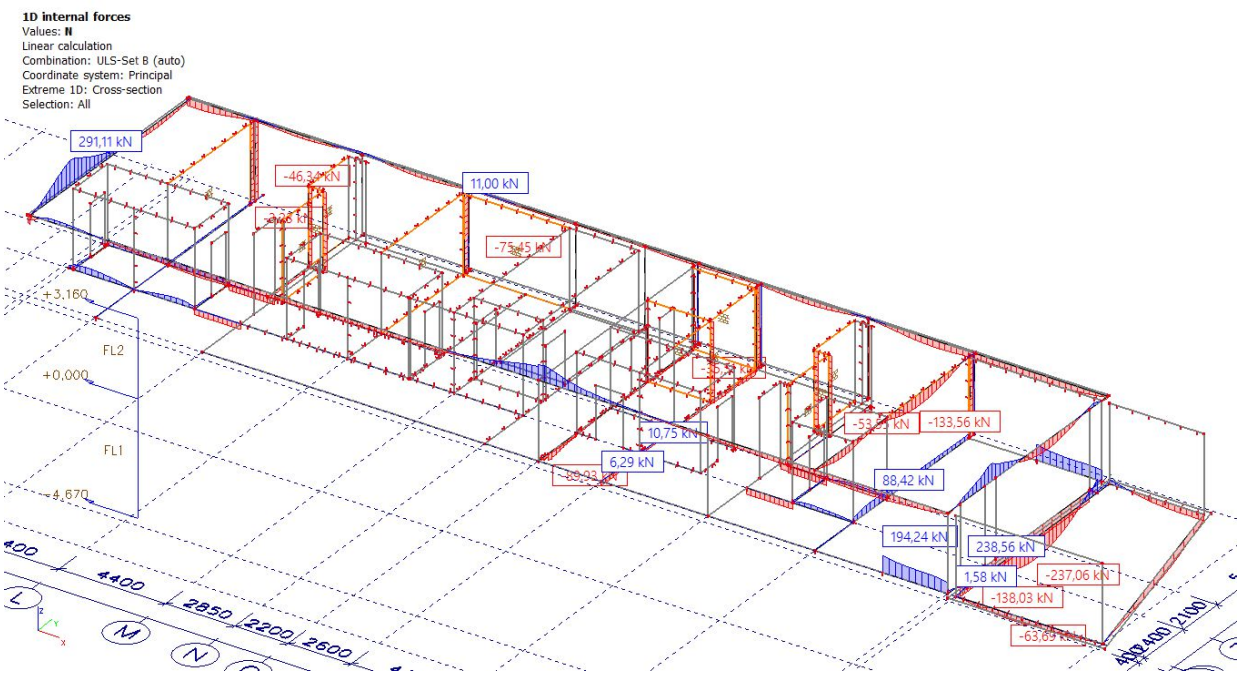
Linear calculation
Combination: ULS-Set B (auto); Coordinate system: Principal
Extreme 1D: Cross-section; Selection: All

Name	dx [m]	Case	Cross-section	N [kN]	V_y [kN]	V_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]
B6	0,000	ULS-Set B (auto)/1	CS1 - Rectangle (320; 200)	**-75,45**	-4,83	7,29	-0,61	-1,60	1,86
B31	3,160	ULS-Set B (auto)/2	CS1 - Rectangle (320; 200)	**-4,71**	0,79	-3,53	0,13	-1,18	0,16
B6	0,000	ULS-Set B (auto)/3	CS1 - Rectangle (320; 200)	-71,80	**-5,05**	6,54	-0,61	-1,24	1,96
B34	3,160	ULS-Set B (auto)/4	CS1 - Rectangle (320; 200)	-40,26	**4,58**	2,90	0,66	7,39	1,43
B7	3,160	ULS-Set B (auto)/5	CS1 - Rectangle (320; 200)	-47,51	-3,35	**-7,77**	-0,26	-3,88	-1,80
B5	0,000	ULS-Set B (auto)/5	CS1 - Rectangle (320; 200)	-57,45	0,50	**18,34**	0,09	-9,83	-0,79
B34	0,000	ULS-Set B (auto)/5	CS1 - Rectangle (320; 200)	-53,99	-4,06	3,54	-1,73	**-10,02**	1,38
B34	3,160	ULS-Set B (auto)/6	CS1 - Rectangle (320; 200)	-51,38	3,23	4,28	0,61	**9,43**	1,04
B30	0,243-	ULS-Set B (auto)/6	CS17 - Rectangle (200; 200)	**-53,55**	2,20	3,81	-0,23	0,02	0,09
B32	3,160	ULS-Set B (auto)/9	CS17 - Rectangle (200; 200)	**-2,29**	0,10	0,29	0,00	-0,04	0,01
B29	0,000	ULS-Set B (auto)/6	CS17 - Rectangle (200; 200)	-39,62	**-7,49**	-7,87	-0,20	3,53	**2,37**
B24	0,000	ULS-Set B (auto)/10	CS17 - Rectangle (200; 200)	-47,18	**4,55**	9,92	-0,14	-2,87	-0,75
B23	3,160	ULS-Set B (auto)/7	CS17 - Rectangle (200; 200)	-45,35	3,77	**-13,41**	-0,04	-4,07	1,59
B29	3,160	ULS-Set B (auto)/6	CS17 - Rectangle (200; 200)	-35,71	0,77	-12,47	-0,06	**-4,34**	0,01
B24	3,160	ULS-Set B (auto)/5	CS17 - Rectangle (200; 200)	-41,13	-0,45	**13,24**	-0,06	**3,89**	0,29
B35	3,160	ULS-Set B (auto)/11	CS13 - Rectangle (200; 200)	**11,00**	0,03	-1,14	-0,01	-0,01	0,12
B43	0,000	ULS-Set B (auto)/9	CS13 - Rectangle (200; 200)	-10,53	-0,02	**-3,58**	0,00	1,81	0,03
B40	0,000	ULS-Set B (auto)/12	CS13 - Rectangle (200; 200)	-40,19	0,30	3,14	0,04	**-2,48**	-0,45
B40	3,160	ULS-Set B (auto)/13	CS13 - Rectangle (200; 200)	-38,90	0,35	**4,45**	0,05	**3,16**	0,58
B40	0,000	ULS-Set B (auto)/5	CS13 - Rectangle (200; 200)	**-46,34**	0,41	-1,30	0,05	-0,26	**-0,60**
B71	0,860-	ULS-Set B (auto)/14	CS6 - Rectangle (600; 250)	**-89,93**	-2,67	43,05	1,43	-16,21	0,23

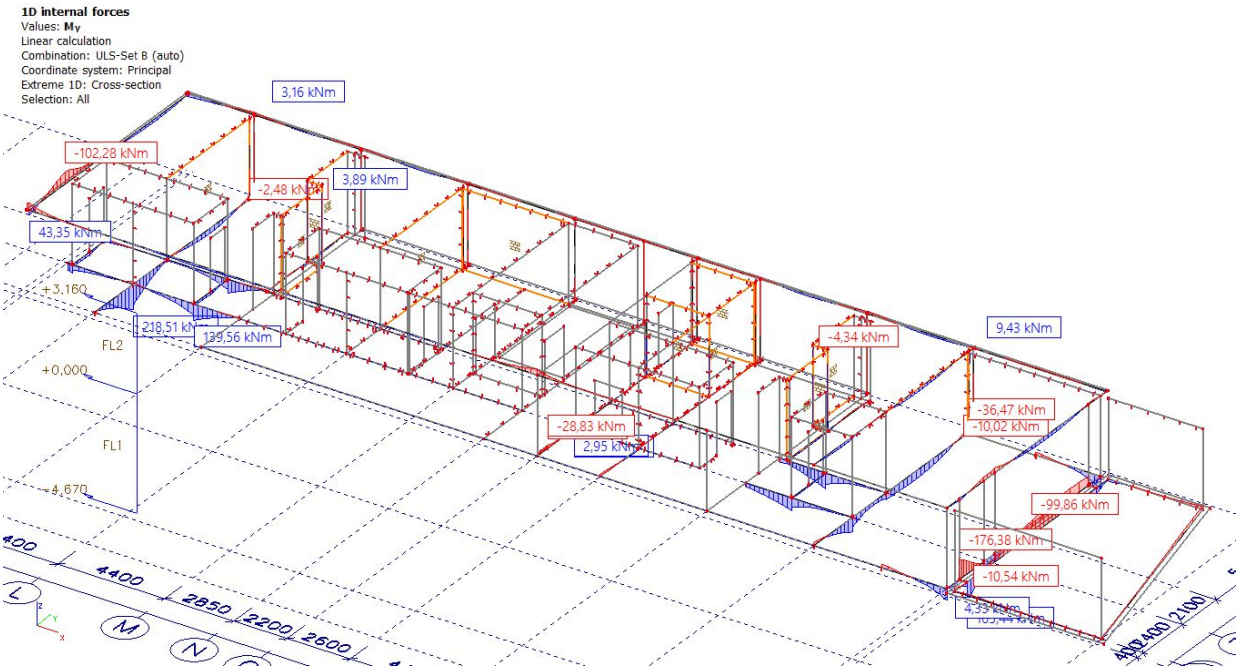
Name	dx [m]	Case	Cross-section	N [kN]	V_y [kN]	V_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]
B72	7,140-	ULS-Set B (auto)/15	CS6 - Rectangle (600; 250)	**10,75**	-3,20	14,65	0,38	9,40	0,46
B72	7,220-	ULS-Set B (auto)/16	CS6 - Rectangle (600; 250)	-4,51	**-14,84**	-14,75	**3,40**	8,70	1,09
B72	1,320-	ULS-Set B (auto)/5	CS6 - Rectangle (600; 250)	-39,93	**7,56**	7,12	-1,60	4,65	0,08
B72	0,528-	ULS-Set B (auto)/5	CS6 - Rectangle (600; 250)	-63,15	6,85	15,80	**-1,75**	-6,67	-0,11
B71	0,620+	ULS-Set B (auto)/4	CS6 - Rectangle (600; 250)	-76,98	-3,60	40,90	1,62	**-28,83**	0,00
B71	2,300+	ULS-Set B (auto)/4	CS6 - Rectangle (600; 250)	-23,50	-9,19	27,38	2,10	**14,30**	-0,53
B72	7,220-	ULS-Set B (auto)/1	CS6 - Rectangle (600; 250)	-4,63	-14,83	-14,73	3,40	8,64	**1,09**
B70	0,000	ULS-Set B (auto)/4	CS6 - Rectangle (600; 250)	-24,79	-4,52	**-64,71**	1,43	-1,04	0,11
B71	0,860-	ULS-Set B (auto)/4	CS6 - Rectangle (600; 250)	-89,45	-3,25	**45,37**	1,50	-15,88	0,22
B97	2,271-	ULS-Set B (auto)/10	CS18 - Rectangle (600; 500)	**-63,69**	-6,36	3,35	-5,17	-5,17	-5,87
B97	0,000	ULS-Set B (auto)/17	CS18 - Rectangle (600; 500)	**1,58**	1,36	-38,14	-14,94	2,85	5,43
B97	0,757-	ULS-Set B (auto)/13	CS18 - Rectangle (600; 500)	-27,06	**-28,10**	-9,13	-22,36	-9,80	3,23
B97	5,803-	ULS-Set B (auto)/13	CS18 - Rectangle (600; 500)	-8,50	**13,99**	-6,11	8,44	-6,18	1,37
B97	0,000	ULS-Set B (auto)/5	CS18 - Rectangle (600; 500)	-3,81	-12,49	-51,35	**-28,59**	3,85	11,67
B97	5,046-	ULS-Set B (auto)/18	CS18 - Rectangle (600; 500)	-21,05	12,03	0,17	**11,66**	-2,06	-0,45
B97	0,757-	ULS-Set B (auto)/7	CS18 - Rectangle (600; 500)	-25,49	-26,42	-10,08	-20,53	**-10,54**	3,90
B97	0,000	ULS-Set B (auto)/8	CS18 - Rectangle (600; 500)	-2,20	-10,09	-53,61	-27,58	**4,33**	10,74
B97	2,523-	ULS-Set B (auto)/13	CS18 - Rectangle (600; 500)	-61,03	-2,56	3,90	-3,26	-4,07	**-6,01**
B97	0,000	ULS-Set B (auto)/13	CS18 - Rectangle (600; 500)	-5,08	-15,04	-48,62	-28,38	3,42	**12,05**
B97	0,000	ULS-Set B (auto)/10	CS18 - Rectangle (600; 500)	-2,72	-10,64	**-54,28**	-28,09	4,17	11,11
B97	3,280-	ULS-Set B (auto)/10	CS18 - Rectangle (600; 500)	-54,59	6,56	**5,17**	4,82	-2,59	-4,79
B269	5,010-	ULS-Set B (auto)/10	CS8 - Rectangle (620; 500)	**-237,06**	-0,58	4,60	-2,23	-99,77	0,44
B99	0,000	ULS-Set B (auto)/16	CS8 - Rectangle (620; 500)	-67,53	**-69,05**	14,65	-19,56	-25,96	**30,37**
B269	8,760-	ULS-Set B (auto)/5	CS8 - Rectangle (620; 500)	150,62	-41,95	187,83	**-31,75**	105,38	-22,06
B269	0,760+	ULS-Set B (auto)/6	CS8 - Rectangle (620; 500)	236,19	44,39	-226,54	**41,04**	163,55	-21,58
B269	4,760-	ULS-Set B (auto)/10	CS8 - Rectangle (620; 500)	-236,68	0,38	-5,22	-1,38	**-99,86**	0,49
B269	0,760+	ULS-Set B (auto)/16	CS8 - Rectangle (620; 500)	**238,56**	43,53	-231,50	40,39	**165,44**	-20,69
B269	0,760+	ULS-Set B (auto)/5	CS8 - Rectangle (620; 500)	232,07	**48,17**	-227,18	40,65	159,58	**-23,71**
B269	0,760+	ULS-Set B (auto)/10	CS8 - Rectangle (620; 500)	234,44	47,32	**-232,13**	40,00	161,47	-22,83
B269	8,760-	ULS-Set B (auto)/10	CS8 - Rectangle (620; 500)	153,55	-41,84	**193,21**	-31,25	108,17	-21,92
B166	6,496-	ULS-Set B (auto)/6	CS10 - Rectangle (500; 200)	**-133,56**	-5,29	-0,35	1,42	26,31	0,35
B286	2,470-	ULS-Set B (auto)/19	CS10 - Rectangle (500; 200)	**291,11**	2,46	48,18	-5,79	-97,90	-2,58
B285	0,000	ULS-Set B (auto)/5	CS10 - Rectangle (500; 200)	-88,33	**134,78**	-51,11	-21,25	-56,68	4,26
B286	0,000	ULS-Set B (auto)/5	CS10 - Rectangle (500; 200)	-64,61	**-74,28**	**-105,88**	-8,65	**43,35**	6,24
B285	0,100-	ULS-Set B (auto)/5	CS10 - Rectangle (500; 200)	-100,47	46,07	-52,51	**-45,51**	-64,53	**14,67**
B165	1,267-	ULS-Set B (auto)/16	CS10 - Rectangle (500; 200)	67,93	0,98	-60,77	**11,77**	4,29	-0,13
B286	2,223-	ULS-Set B (auto)/6	CS10 - Rectangle (500; 200)	270,93	-13,48	-46,69	-1,37	**-102,28**	**-2,79**
B286	2,964-	ULS-Set B (auto)/6	CS10 - Rectangle (500; 200)	258,93	16,82	**93,56**	-4,29	-58,82	0,52
B272	1,848	ULS-Set B (auto)/20	CS16 - Rectangle (300; 200)	**-35,51**	2,09	-7,73	-0,53	-3,81	-0,13
B271	0,000	ULS-Set B (auto)/4	CS16 - Rectangle (300; 200)	**6,29**	-4,21	-1,99	0,61	-4,79	0,11
B273	1,056+	ULS-Set B (auto)/5	CS16 - Rectangle (300; 200)	-21,99	**5,12**	-8,23	-0,74	0,38	0,05
B270	0,000	ULS-Set B (auto)/4	CS16 - Rectangle (300; 200)	-4,33	-3,68	15,71	0,58	**-6,78**	0,03
B270	1,680	ULS-Set B (auto)/4	CS16 - Rectangle (300; 200)	-28,75	-5,96	5,92	0,77	**2,95**	-0,11
B271	2,300	ULS-Set B (auto)/16	CS16 - Rectangle (300; 200)	-18,43	**-9,67**	0,35	**1,30**	1,64	**-0,14**
B271	0,000	ULS-Set B (auto)/6	CS16 - Rectangle (300; 200)	3,50	-5,71	-4,69	0,81	-4,07	**0,16**
B273	1,320-	ULS-Set B (auto)/3	CS16 - Rectangle (300; 200)	-16,49	2,80	**-11,67**	-0,40	-1,87	-0,05
B270	0,240-	ULS-Set B (auto)/4	CS16 - Rectangle (300; 200)	-14,85	-3,37	**20,09**	0,53	-1,90	0,03
B291	2,128+	ULS-Set B (auto)/10	CS19 - Rectangle (800; 500)	**-138,03**	11,14	153,56	-16,71	15,42	2,37
B290	0,000	ULS-Set B (auto)/10	CS19 - Rectangle (800; 500)	**194,24**	-4,69	-16,32	-5,74	-30,38	1,35
B291	9,520	ULS-Set B (auto)/16	CS19 - Rectangle (800; 500)	31,44	**-104,79**	-104,00	-118,34	-3,42	-6,76
B291	0,000	ULS-Set B (auto)/10	CS19 - Rectangle (800; 500)	30,60	**105,17**	73,49	109,32	-4,48	-24,74
B291	0,760-	ULS-Set B (auto)/10	CS19 - Rectangle (800; 500)	-25,21	60,63	**-188,40**	**149,07**	-5,71	4,31
B291	8,760+	ULS-Set B (auto)/16	CS19 - Rectangle (800; 500)	-11,53	-55,61	**262,09**	-162,34	-15,58	17,83
B291	8,760+	ULS-Set B (auto)/10	CS19 - Rectangle (800; 500)	-12,73	-49,05	255,81	**-163,50**	-6,54	16,28
B291	0,760+	ULS-Set B (auto)/5	CS19 - Rectangle (800; 500)	-133,19	11,04	130,98	-16,50	**-176,38**	-12,71
B303	2,500+	ULS-Set B (auto)/6	CS19 - Rectangle (800; 500)	-62,63	-1,81	-100,69	0,81	**139,56**	2,11
B290	2,683	ULS-Set B (auto)/5	CS19 - Rectangle (800; 500)	125,21	-29,55	95,64	5,47	100,43	**-26,46**
B296	0,000	ULS-Set B (auto)/5	CS19 - Rectangle (800; 500)	19,12	-37,28	50,37	7,89	2,11	**26,17**
B297	0,500+	ULS-Set B (auto)/21	CS21 - Rectangle (800; 600)	**-3,23**	-0,01	-14,86	-0,10	5,31	0,00
B293	5,827-	ULS-Set B (auto)/19	CS21 - Rectangle (800; 600)	**88,42**	-9,23	0,82	-3,80	26,82	14,17
B293	7,140+	ULS-Set B (auto)/6	CS21 - Rectangle (800; 600)	6,46	**-15,09**	-94,13	**4,22**	123,97	28,21
B293	5,040-	ULS-Set B (auto)/6	CS21 - Rectangle (800; 600)	52,43	**6,57**	-5,10	1,42	59,16	18,81
B297	0,780+	ULS-Set B (auto)/5	CS21 - Rectangle (800; 600)	18,21	2,17	**-146,85**	-2,41	-11,02	-0,43
B298	6,930+	ULS-Set B (auto)/5	CS21 - Rectangle (800; 600)	0,67	0,18	**119,11**	0,04	156,17	-2,65
B293	7,140-	ULS-Set B (auto)/5	CS21 - Rectangle (800; 600)	49,34	-4,83	38,61	**-7,25**	85,48	5,01
B293	0,000	ULS-Set B (auto)/6	CS21 - Rectangle (800; 600)	46,57	5,48	50,75	0,43	**-36,47**	-12,89

Name	dx [m]	Case	Cross-section	N [kN]	V_y [kN]	V_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]
B298	7,140+	ULS-Set B (auto)/5	CS21 - Rectangle (800; 600)	3,88	4,15	-129,79	-0,29	**218,51**	-8,66
B293	0,000	ULS-Set B (auto)/19	CS21 - Rectangle (800; 600)	46,21	5,53	50,69	0,40	-35,97	**-12,93**
B293	7,140+	ULS-Set B (auto)/5	CS21 - Rectangle (800; 600)	8,13	-15,00	-95,68	4,19	124,98	**28,49**

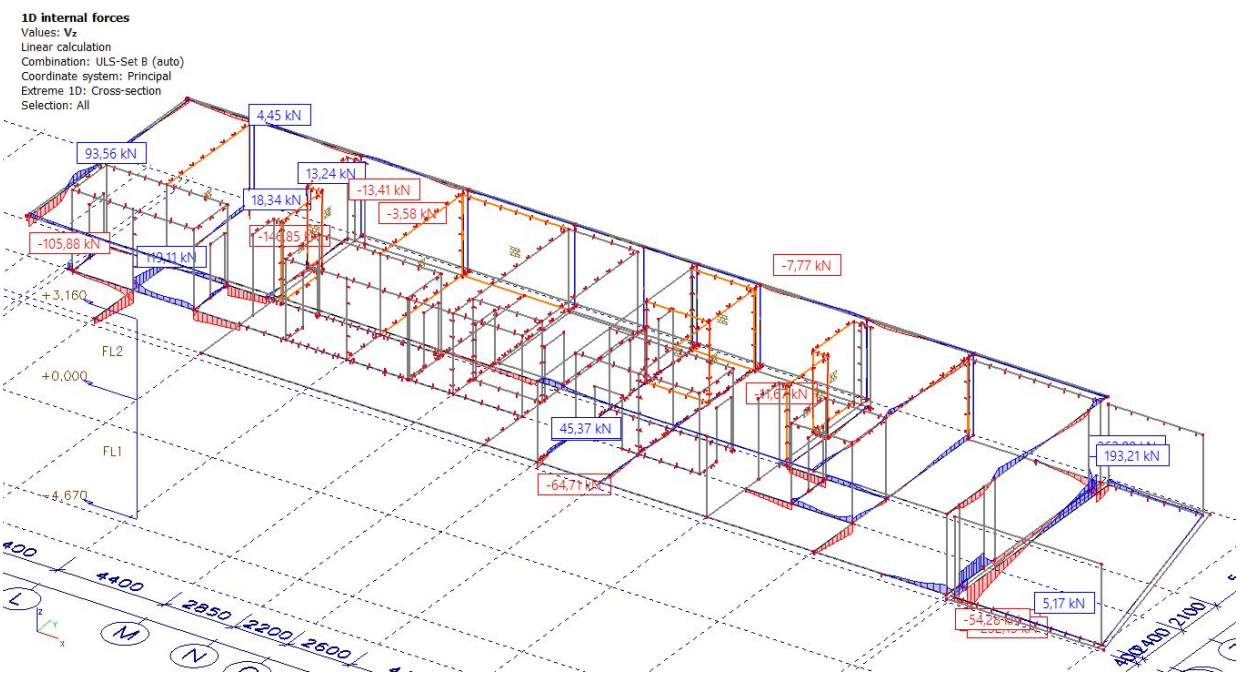
Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC8
ULS-Set B (auto)/2	LC1 + LC2 + LC3 + 0.90*LC6 + 1.50*LC7
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 0.90*LC6 + 1.50*LC7
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 0.90*LC5 + 1.50*LC7
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5
ULS-Set B (auto)/6	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Set B (auto)/7	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 1.05*LC7
ULS-Set B (auto)/8	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC8
ULS-Set B (auto)/9	LC1 + LC2 + LC3 + 1.50*LC5
ULS-Set B (auto)/10	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC7
ULS-Set B (auto)/11	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC6
ULS-Set B (auto)/12	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 1.50*LC6
ULS-Set B (auto)/13	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 1.50*LC5
ULS-Set B (auto)/14	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC5 + 1.05*LC7
ULS-Set B (auto)/15	LC1 + LC2 + LC3 + 0.75*LC4 + 0.90*LC5 + 1.50*LC7
ULS-Set B (auto)/16	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC7
ULS-Set B (auto)/17	LC1 + LC2 + LC3 + 0.75*LC4 + 1.50*LC6 + 1.05*LC8
ULS-Set B (auto)/18	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 1.50*LC5 + 1.05*LC7
ULS-Set B (auto)/19	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4
ULS-Set B (auto)/20	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC5
ULS-Set B (auto)/21	LC1 + LC2 + LC3 + 1.50*LC5 + 1.05*LC7



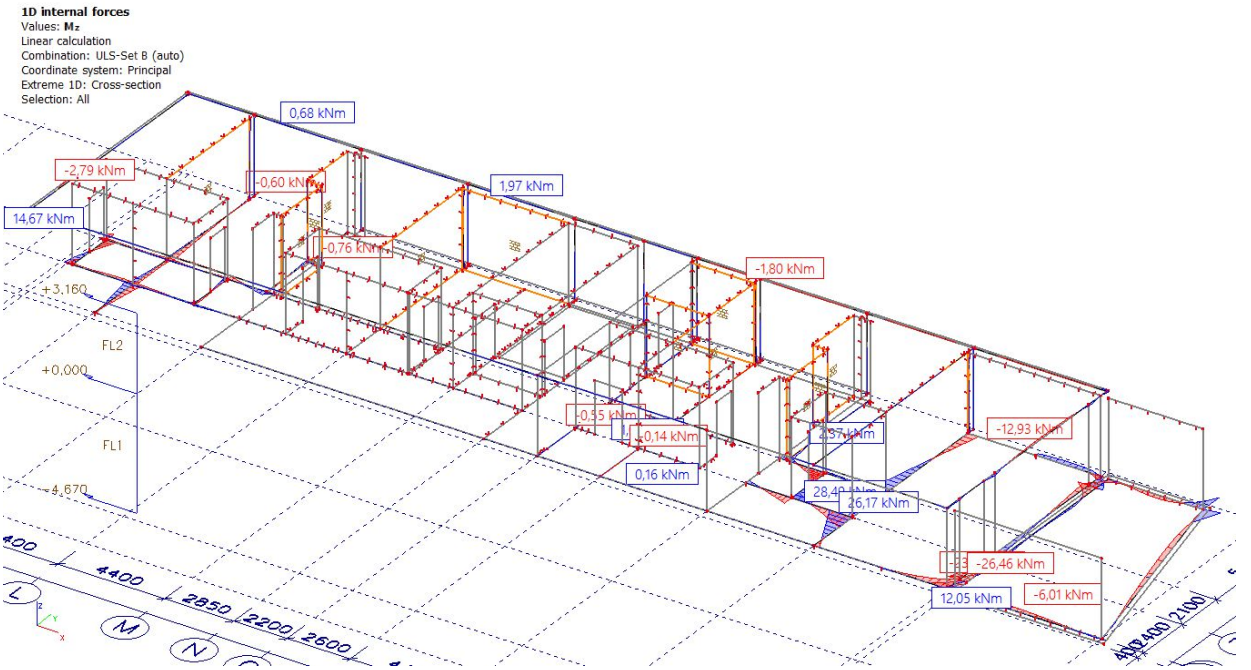
Osne sile Nx (kN)



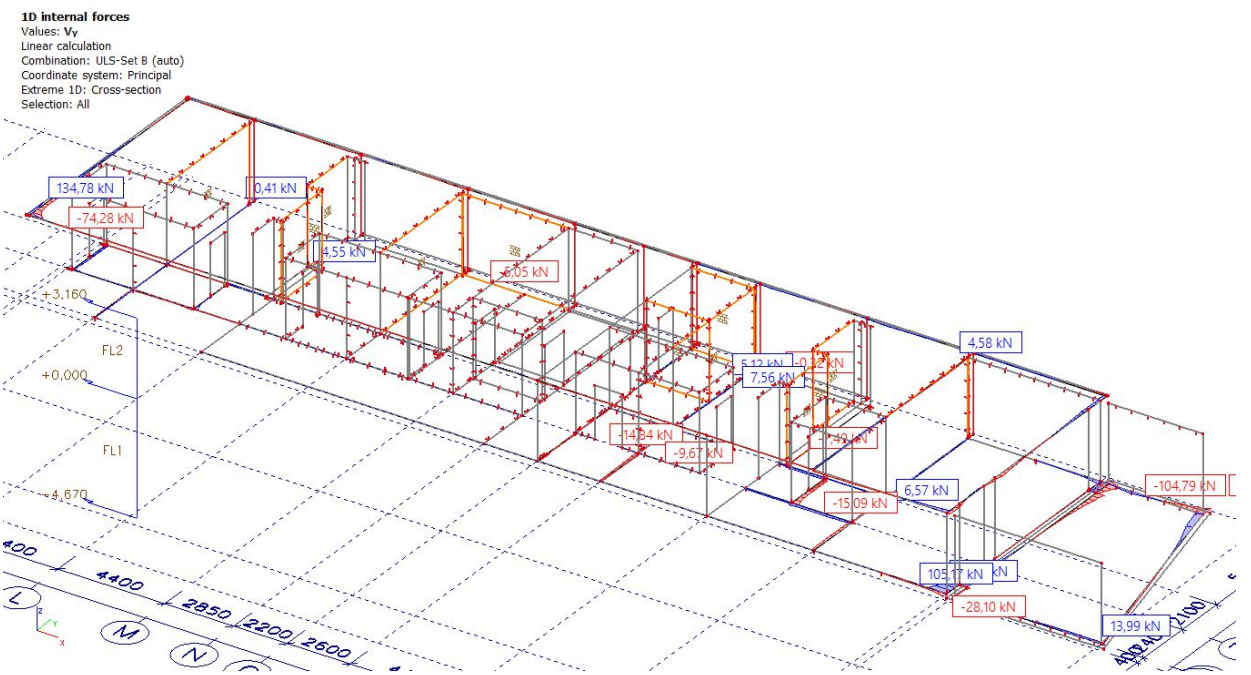
Upogibni momenti My (kNm)



Strižne sile Vz (kN)



Upogibni momenti Mz (kNm)



Strižne sile Vy (kN)

4.2.2 Elementi 2D

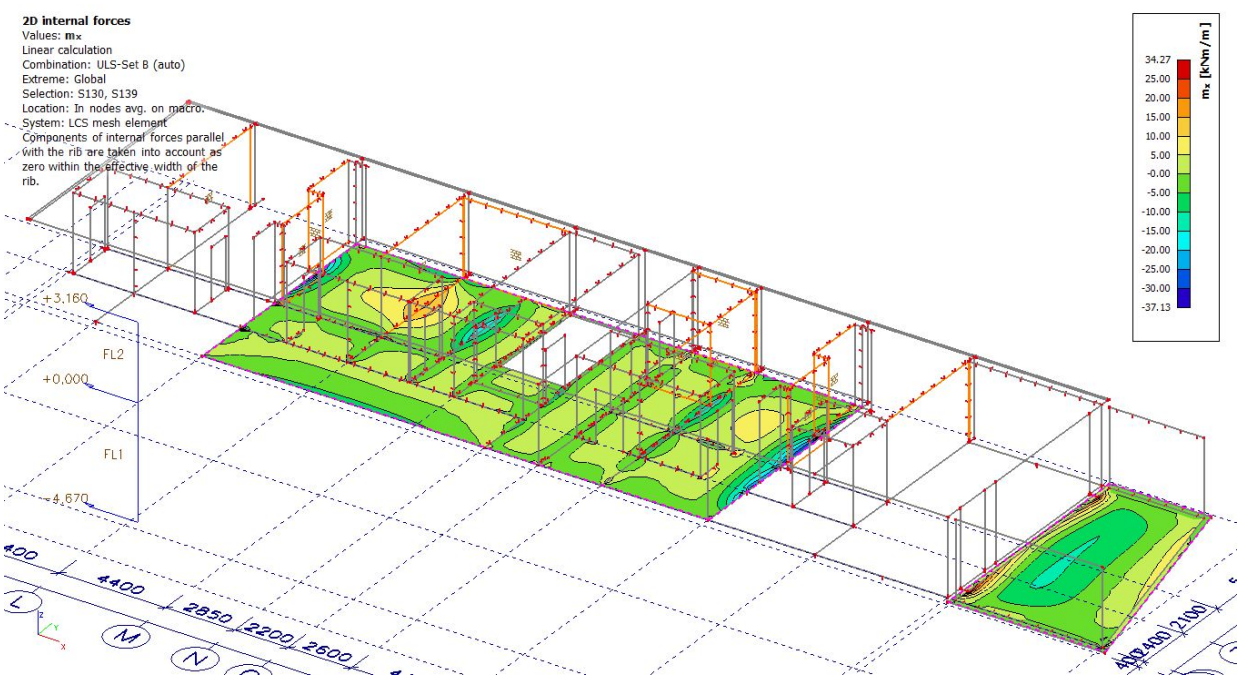
Linear calculation; Combination: ULS-Set B (auto)
Selection: S32; Filter: Material = C25/30
Selection: S130, S139; Location: In nodes avg. on macro. System: LCS mesh element

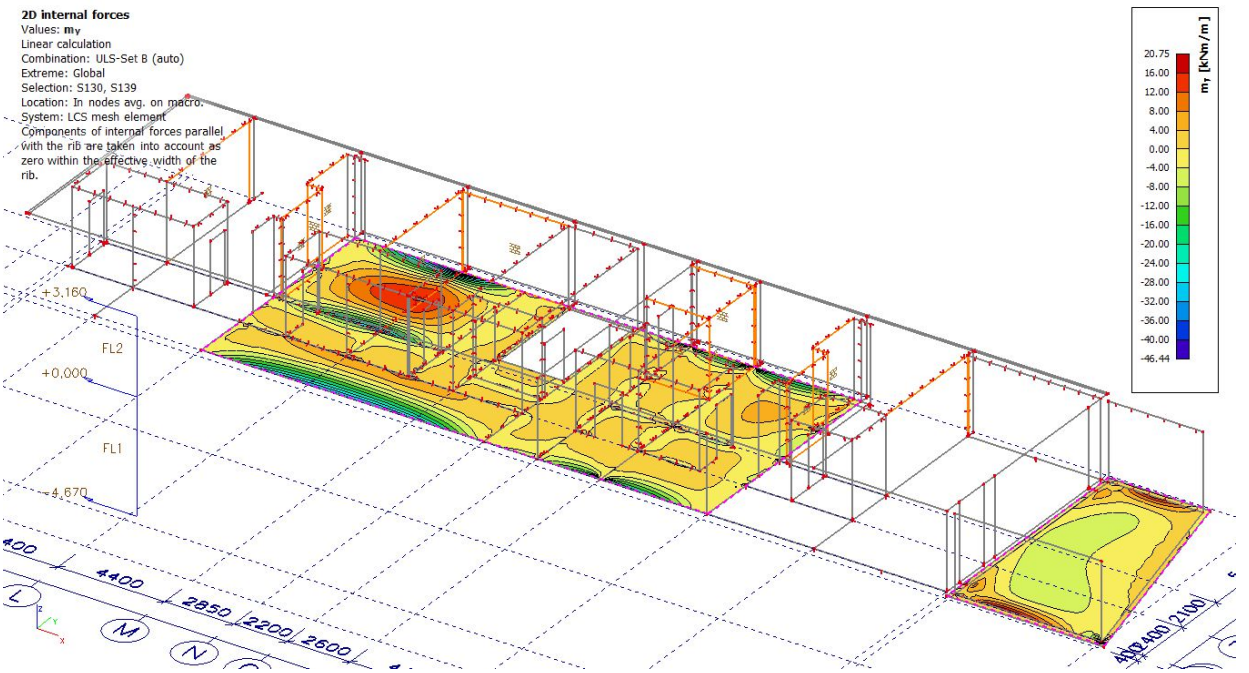
Basic magnitudes

Name	Case	m_x [kNm/m] m_y [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m] v_y [kN/m]	n_x [kN/m] n_y [kN/m]	n_{xy} [kN/m]
S130	ULS-Set B (auto)/1	**-37,13** -3,90	-14,53	289,49 6,56	179,02 -71,08	61,23
S139	ULS-Set B (auto)/2	**34,27** 0,00	0,00	-157,46 0,00	-163,82 0,00	0,00

Name	Case	m_x [kNm/m] m_y [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m] v_y [kN/m]	n_x [kN/m] n_y [kN/m]	n_{xy} [kN/m]
S130	ULS-Set B (auto)/3	-8,94 **-46,44**	0,16	5,32 -98,02	-18,77 -62,60	-19,29
S139	ULS-Set B (auto)/4	0,00 **20,75**	0,00	0,00 -44,15	0,00 3,67	0,00
S130	ULS-Set B (auto)/5	-4,32 4,35	**-17,68**	100,78 -130,38	-294,89 -211,54	188,57
S130	ULS-Set B (auto)/6	0,84 14,58	-4,45	**-160,16** 115,61	-78,58 -38,23	42,95
S130	ULS-Set B (auto)/1	-36,82 -3,99	**15,74**	**294,34** -9,81	135,38 -83,26	-95,53
S130	ULS-Set B (auto)/7	-3,52 -31,79	-8,05	-21,59 **-178,74**	4,89 -7,63	12,19
S130	ULS-Set B (auto)/8	-2,33 -27,57	7,07	13,51 **137,48**	-20,50 -25,56	1,28
S130	ULS-Set B (auto)/1	-15,08 -11,06	1,87	-16,61 -40,38	**-452,08** -93,61	-138,79
S130	ULS-Set B (auto)/4	-37,03 -3,97	-14,54	288,62 7,39	**179,84** -69,43	63,88
S139	ULS-Set B (auto)/6	0,84 7,02	-0,55	-7,90 37,08	25,12 **-396,06**	-46,28
S139	ULS-Set B (auto)/2	-0,02 -4,34	-0,14	2,06 -1,36	0,54 **325,50**	-0,10
S130	ULS-Set B (auto)/4	-15,00 -11,16	1,81	-16,72 -41,41	-449,92 -95,32	**-140,90**
S130	ULS-Set B (auto)/1	-8,49 4,67	-15,72	76,57 -132,06	-346,12 -259,08	**209,07**

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC7
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC8
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC5
ULS-Set B (auto)/6	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC7
ULS-Set B (auto)/7	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 0.90*LC6 + 1.50*LC7
ULS-Set B (auto)/8	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.90*LC5 + 1.50*LC7



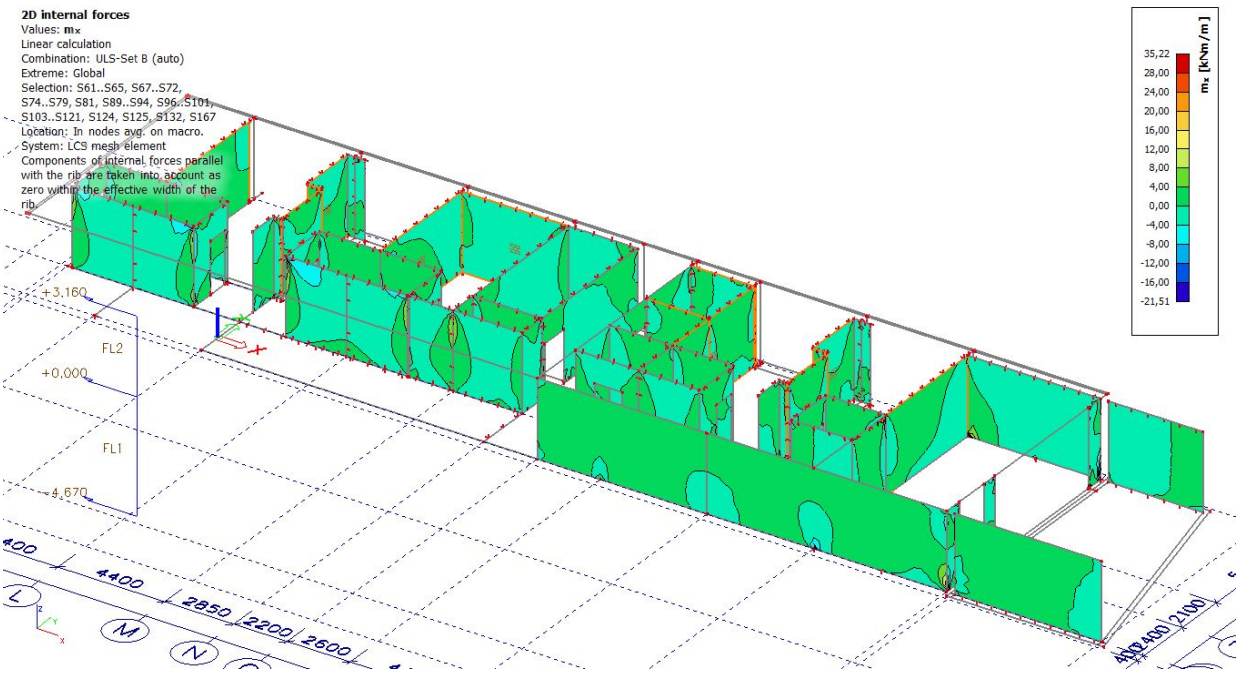


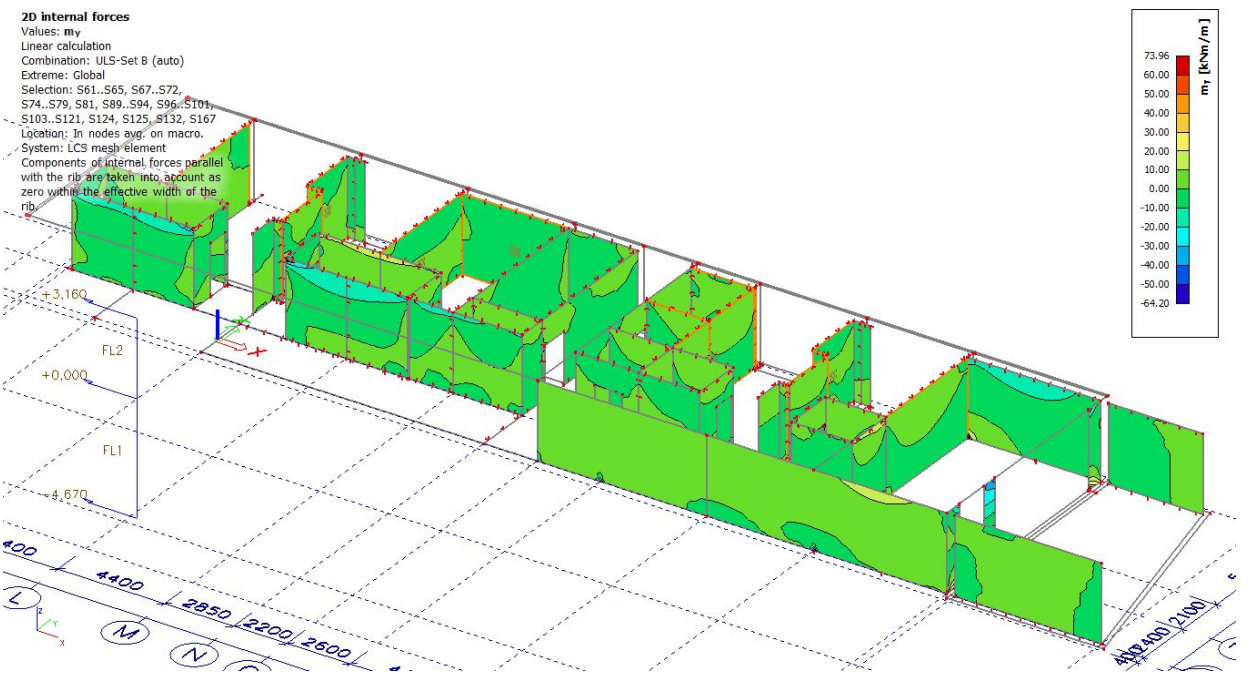
Extreme: Global; Selection: All; Location: In nodes avg. on macro. System: LCS mesh element

Basic magnitudes

Name	Case	m_x [kNm/m] m_y [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m] v_y [kN/m]	n_x [kN/m] n_y [kN/m]	n_{xy} [kN/m]
S132	ULS-Set B (auto)/1	**-21,51** -41,65	19,80	255,71 -268,15	70,97 97,92	-99,58
S72	ULS-Set B (auto)/1	-12,61 **-64,20**	-5,08	57,08 **433,02**	-307,26 -969,68	-147,17
S118	ULS-Set B (auto)/2	**35,22** 56,14	**-28,21**	-361,46 383,43	-241,17 -338,00	86,35
S119	ULS-Set B (auto)/3	2,79 39,96	**25,79**	-445,03 -53,91	-186,80 -600,17	-130,61
S119	ULS-Set B (auto)/3	30,24 **73,96**	25,53	**-522,74** -183,74	-388,58 -1577,43	-338,48
S121	ULS-Set B (auto)/3	26,69 63,57	-23,87	**465,84** -139,11	-288,97 -1113,05	253,99
S93	ULS-Set B (auto)/1	5,54 34,35	-10,70	82,03 **-284,63**	-73,26 156,95	-24,34
S132	ULS-Set B (auto)/3	2,17 1,81	2,08	16,21 9,93	**426,29** 464,79	272,64
S119	ULS-Set B (auto)/4	29,29 71,68	24,68	-505,83 -178,65	-419,69 **-1596,93**	-357,18
S99	ULS-Set B (auto)/2	0,78 4,44	0,38	-17,24 13,47	3,01 **613,05**	-54,04
S120	ULS-Set B (auto)/3	-4,00 -0,47	-2,45	46,28 18,29	**-646,53** -1139,30	**-471,29**
S93	ULS-Set B (auto)/2	-0,61 -4,78	1,30	-1,08 2,62	-454,48 -1038,22	**394,60**

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC7
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 0.90*LC5 + 1.50*LC7


2D internal forces
Values: mx
Linear calculation
Combination: ULS-Set B (auto)
Extreme: Global
Selection: S61..S65, S67..S72, S74..S79, S81, S89..S94, S96..S101, S103..S121, S124, S125, S132, S167
Location: In nodes avg. on macro.
System: LCS mesh element
Components of internal forces parallel with the rib are taken into account as zero within the effective width of the rib
mx [kNm/m]
35,22
28,00
24,00
20,00
16,00
12,00
8,00
4,00
0,00
-4,00
-8,00
-12,00
-16,00
-21,51
+3,160
FL2
+0,000
FL1
-4,670
400
4400
2850
2200
2600
2100
L
M
N


2D internal forces
Values: my
Linear calculation
Combination: ULS-Set B (auto)
Extreme: Global
Selection: S61..S65, S67..S72, S74..S79, S81, S89..S94, S96..S101, S103..S121, S124, S125, S132, S167
Location: In nodes avg. on macro.
System: LCS mesh element
Components of internal forces parallel with the rib are taken into account as zero within the effective width of the rib
my [kNm/m]
73.96
60.00
50.00
40.00
30.00
20.00
10.00
0.00
-10.00
-20.00
-30.00
-40.00
-50.00
-64.20
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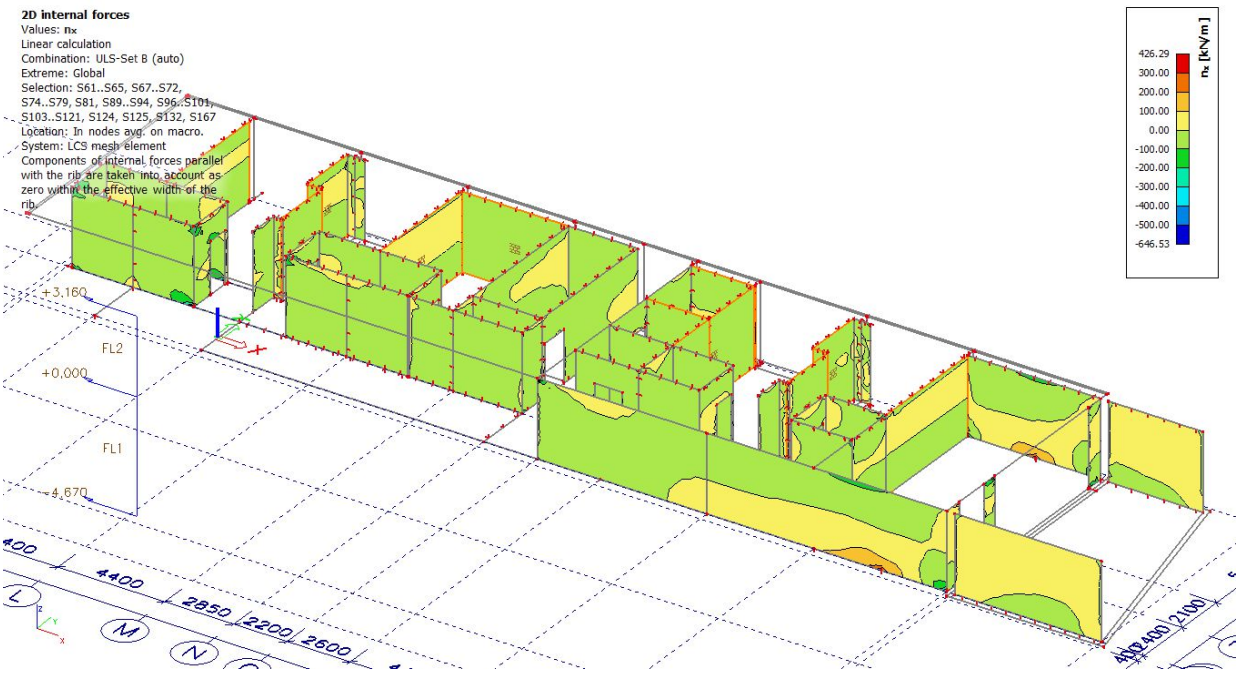
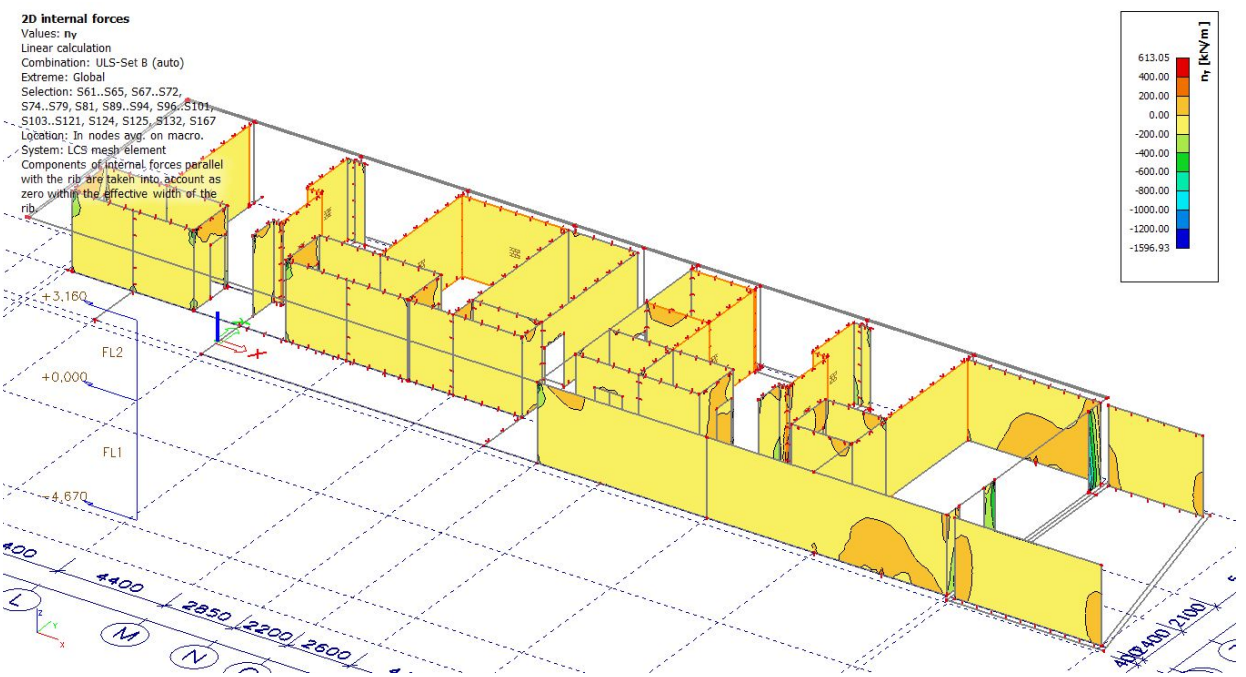
2100
L
M
N





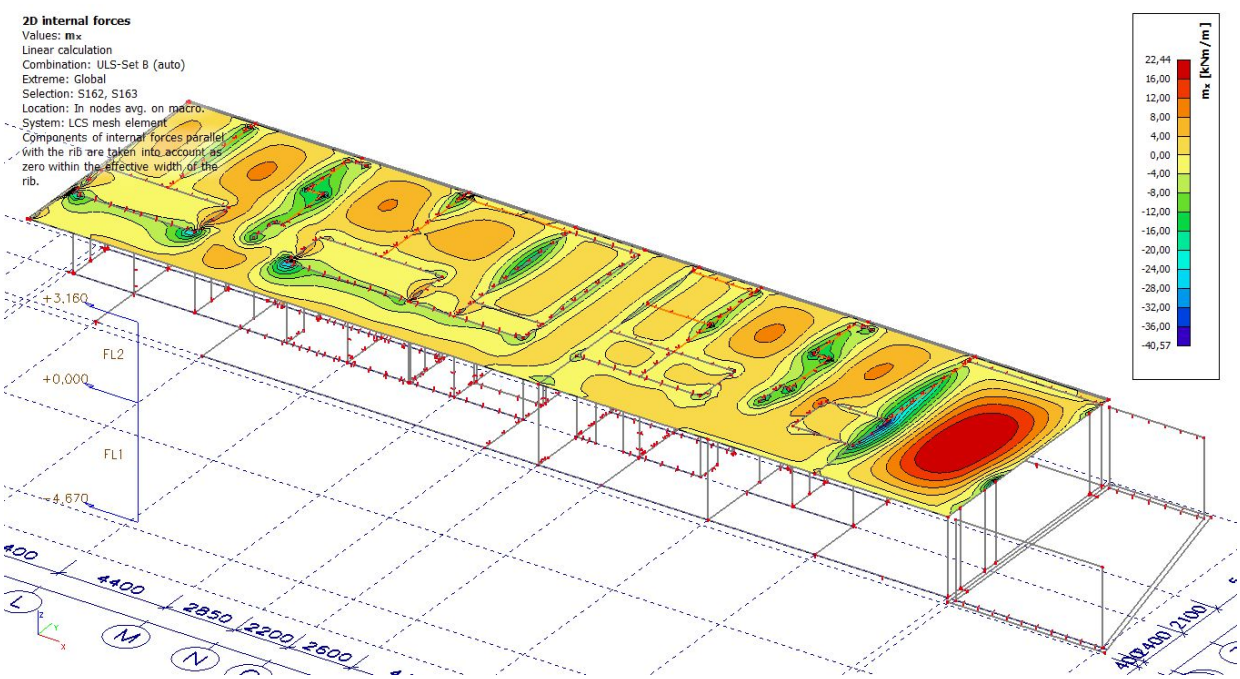
Selection: S162, S163
Location: In nodes avg. on macro. System: LCS mesh element

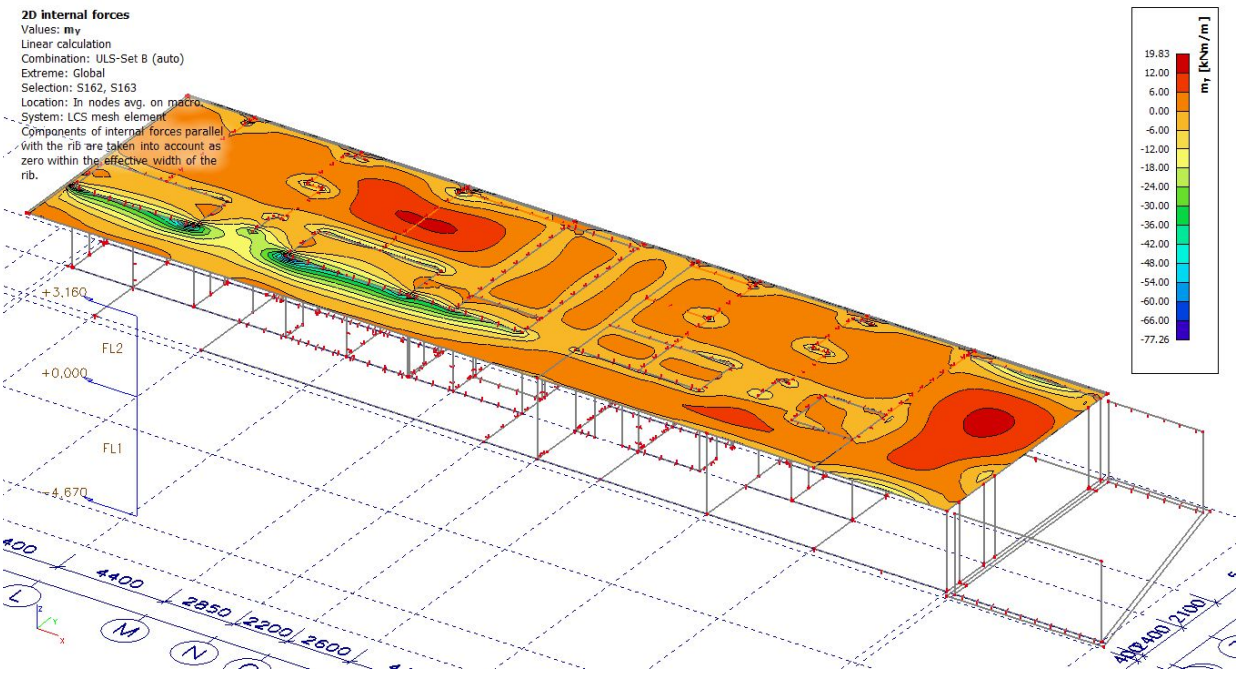
Basic magnitudes

Name	Case	m_x [kNm/m] m_y [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m] v_y [kN/m]	n_x [kN/m] n_y [kN/m]	n_{xy} [kN/m]
S163	ULS-Set B (auto)/1	**-40,57** 0,00	0,00	80,77 0,00	-132,98 0,00	0,00
S163	ULS-Set B (auto)/2	**22,44** 10,93	-1,07	1,34 1,88	-4,38 19,53	11,46
S162	ULS-Set B (auto)/3	-24,95 **-77,26**	-3,99	75,65 -88,48	81,87 -25,04	33,82
S162	ULS-Set B (auto)/4	-0,14 **19,83**	-0,02	17,30 -57,30	-153,43 -13,99	33,50

Name	Case	m_x [kNm/m] m_y [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m] v_y [kN/m]	n_x [kN/m] n_y [kN/m]	n_{xy} [kN/m]
S162	ULS-Set B (auto)/5	-24,54 -52,14	**-17,66**	-283,38 -302,47	-55,96 -11,30	-35,29
S162	ULS-Set B (auto)/4	-2,11 -22,18	**11,89**	72,77 -112,79	-46,00 -15,89	3,10
S162	ULS-Set B (auto)/6	14,57 0,00	0,00	**-480,88** 0,00	-154,31 0,00	0,00
S162	ULS-Set B (auto)/5	2,83 -28,44	-0,75	**210,10** -167,87	-45,61 -6,43	0,28
S162	ULS-Set B (auto)/6	-17,08 -42,45	-5,22	-309,54 **-318,15**	-41,10 -457,26	-78,76
S163	ULS-Set B (auto)/2	-7,72 0,55	-1,05	-1,14 29,29	**-182,12** -24,19	13,67
S162	ULS-Set B (auto)/6	-5,80 0,00	0,00	-5,58 0,00	**315,45** 0,00	0,00
S162	ULS-Set B (auto)/5	-16,91 -42,32	-5,16	-307,53 -316,79	-39,46 **-462,30**	-77,81
S162	ULS-Set B (auto)/3	-28,79 -52,96	-12,90	128,38 **278,18**	169,54 **279,58**	64,61
S162	ULS-Set B (auto)/3	-1,78 3,01	3,30	-35,14 42,87	-129,21 -37,02	**-178,50**
S162	ULS-Set B (auto)/6	-8,81 -4,63	-7,10	26,43 11,57	79,77 -98,62	**229,25**

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC8
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC7
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC7
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC8
ULS-Set B (auto)/6	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6





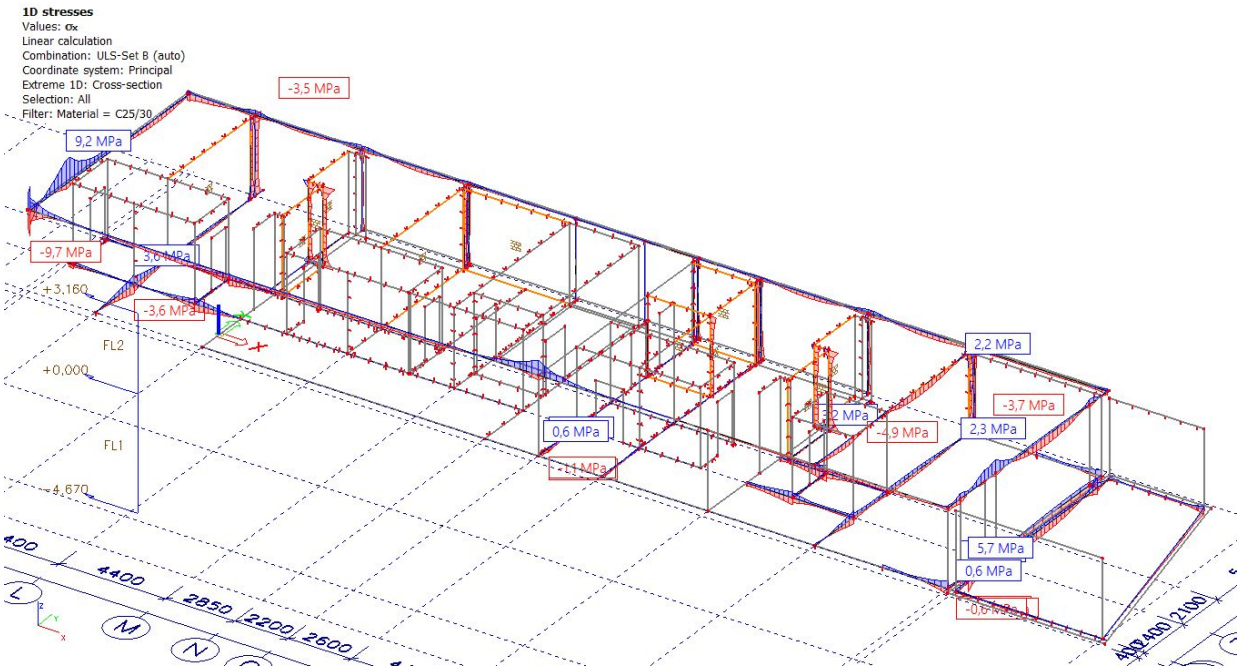
4.3.NAPETOSTI V AB ELEMENTIH - ULS

4.3.1 Elementi 1D

Linear calculation
Combination: ULS-Set B (auto); Coordinate system: Principal
Selection: All; Filter: Material = C25/30

Name	dx [m]	Fibre	Case	Cross-section	Material	σ_x [MPa]	τ_{xy} [MPa]	τ_{xz} [MPa]
B34	0,000	1	ULS-Set B (auto)/1	CS1 - Rectangle (320; 200)	C25/30	**-3,7**	0,0	0,0
B34	0,000	5	ULS-Set B (auto)/2	CS1 - Rectangle (320; 200)	C25/30	**2,3**	0,0	0,0
B29	0,000	3	ULS-Set B (auto)/1	CS17 - Rectangle (200; 200)	C25/30	**-4,9**	0,0	0,0
B29	0,000	7	ULS-Set B (auto)/1	CS17 - Rectangle (200; 200)	C25/30	**3,2**	0,0	0,0
B40	3,160	3	ULS-Set B (auto)/3	CS13 - Rectangle (200; 200)	C25/30	**-3,5**	0,0	0,0
B46	3,160	7	ULS-Set B (auto)/3	CS13 - Rectangle (200; 200)	C25/30	**2,2**	0,0	0,0
B71	0,620+	7	ULS-Set B (auto)/4	CS6 - Rectangle (600; 250)	C25/30	**-1,6**	0,0	0,0
B70	0,310-	5	ULS-Set B (auto)/5	CS6 - Rectangle (600; 250)	C25/30	**0,6**	0,0	0,0
B97	0,000	3	ULS-Set B (auto)/3	CS18 - Rectangle (600; 500)	C25/30	**-0,6**	0,0	0,0
B97	0,000	7	ULS-Set B (auto)/3	CS18 - Rectangle (600; 500)	C25/30	**0,6**	0,0	0,0
B269	0,760+	5	ULS-Set B (auto)/2	CS8 - Rectangle (620; 500)	C25/30	**-3,8**	0,0	0,0
B269	0,760+	1	ULS-Set B (auto)/6	CS8 - Rectangle (620; 500)	C25/30	**5,7**	0,0	0,0
B285	0,100-	1	ULS-Set B (auto)/2	CS10 - Rectangle (500; 200)	C25/30	**-9,7**	0,0	0,0
B286	2,223-	3	ULS-Set B (auto)/1	CS10 - Rectangle (500; 200)	C25/30	**9,2**	0,0	0,0
B270	0,000	1	ULS-Set B (auto)/5	CS16 - Rectangle (300; 200)	C25/30	**-1,1**	0,0	0,0
B270	0,000	5	ULS-Set B (auto)/5	CS16 - Rectangle (300; 200)	C25/30	**0,6**	0,0	0,0
B291	0,760+	7	ULS-Set B (auto)/7	CS19 - Rectangle (800; 500)	C25/30	**-4,0**	0,0	0,0
B291	0,760+	3	ULS-Set B (auto)/2	CS19 - Rectangle (800; 500)	C25/30	**3,4**	0,0	0,0
B298	7,140+	5	ULS-Set B (auto)/1	CS21 - Rectangle (800; 600)	C25/30	**-3,6**	0,0	0,0
B298	7,140+	1	ULS-Set B (auto)/2	CS21 - Rectangle (800; 600)	C25/30	**3,6**	0,0	0,0

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 1.50*LC5
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.90*LC5 + 1.50*LC7
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 0.90*LC5 + 1.50*LC7
ULS-Set B (auto)/6	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC7
ULS-Set B (auto)/7	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC7



4.3.2 Elementi 2D

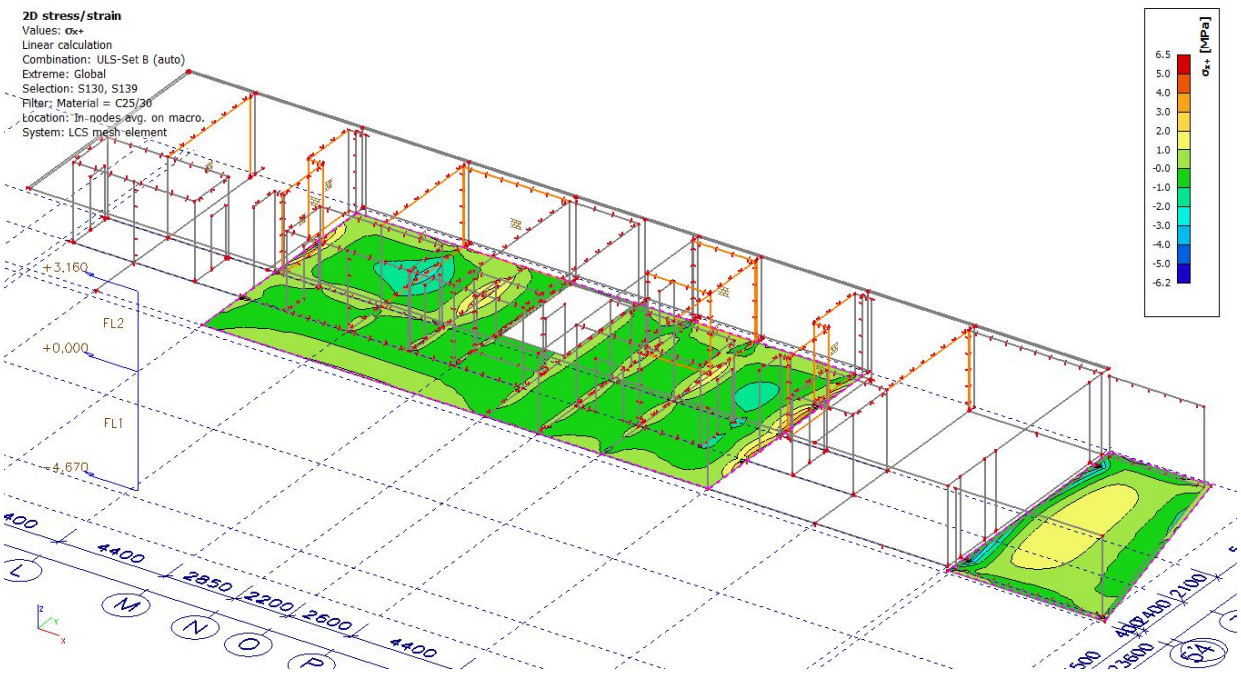
Linear calculation
Combination: ULS-Set B (auto); Extreme: Global; Selection: All
Selection: S130, S139; Filter: Material = C25/30
Location: In nodes avg. on macro. System: LCS mesh element

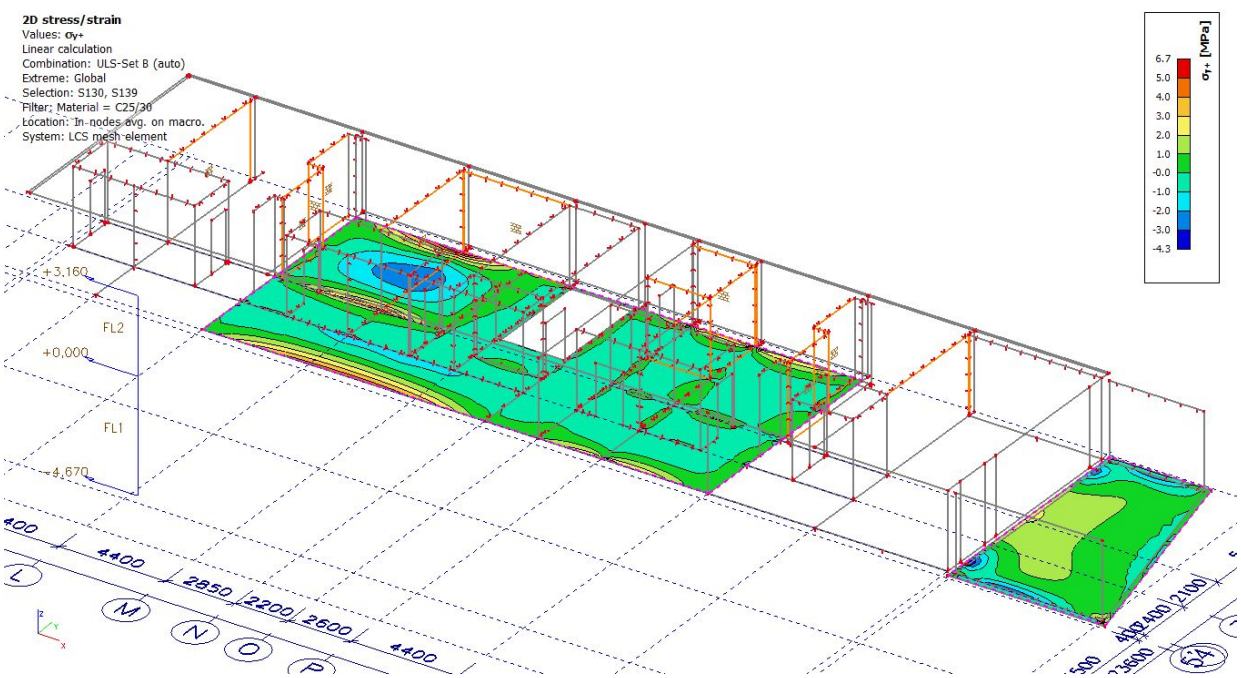
Basic stress

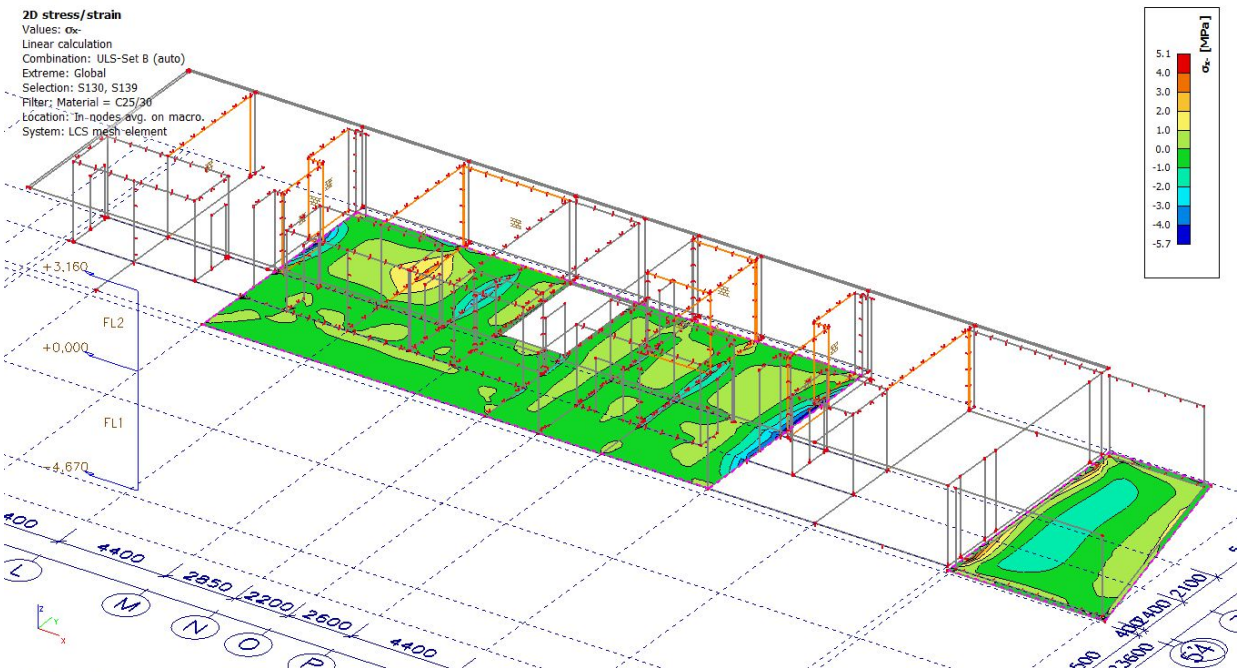
Name	Case	σ_{x+} [MPa] σ_{x-} [MPa]	σ_{y+} [MPa] σ_{y-} [MPa]	τ_{xy+} [MPa] τ_{xy-} [MPa]	τ_{xz} [MPa]	τ_{yz} [MPa]
S139	ULS-Set B (auto)/1	**-6,2** 3,4	-3,2 -0,2	0,6 -0,1	1,1	-0,2
S130	ULS-Set B (auto)/2	**6,5** -4,7	0,2 -0,9	2,5 -1,9	-2,2	0,0
S130	ULS-Set B (auto)/3	5,1 **-5,7**	1,0 -1,6	-0,8 0,4	-1,4	-0,2
S139	ULS-Set B (auto)/1	-4,2 **5,1**	-4,2 -0,8	-0,9 1,3	0,5	1,0
S139	ULS-Set B (auto)/4	-4,1 4,9	**-4,3** -0,9	-0,9 1,3	0,5	1,0
S130	ULS-Set B (auto)/3	1,2 -1,4	**6,7** **-7,3**	-0,1 -0,1	0,0	0,7
S139	ULS-Set B (auto)/5	-0,6 0,5	-3,1 **3,1**	-0,1 0,2	0,0	0,3
S130	ULS-Set B (auto)/6	-0,8 -2,1	-1,7 -0,4	**3,6** -1,7	-0,8	1,0
S130	ULS-Set B (auto)/7	0,0 0,0	1,2 -0,3	1,6 **-2,2**	-0,2	0,2
S130	ULS-Set B (auto)/8	-0,6 0,5	0,6 -0,6	-2,3 **2,3**	-0,6	-0,2
S130	ULS-Set B (auto)/2	6,2 -4,8	0,2 -1,0	**-2,8** 1,9	**-2,2**	0,1
S130	ULS-Set B (auto)/4	-0,5 -0,3	-2,4 2,0	0,9 -0,5	**1,2**	-0,9
S130	ULS-Set B (auto)/9	0,2 -0,5	4,0 -4,3	-1,1 1,1	-0,1	**-1,0**
S130	ULS-Set B (auto)/8	0,6 -0,5	4,7 -4,8	1,3 -1,1	0,2	**1,3**

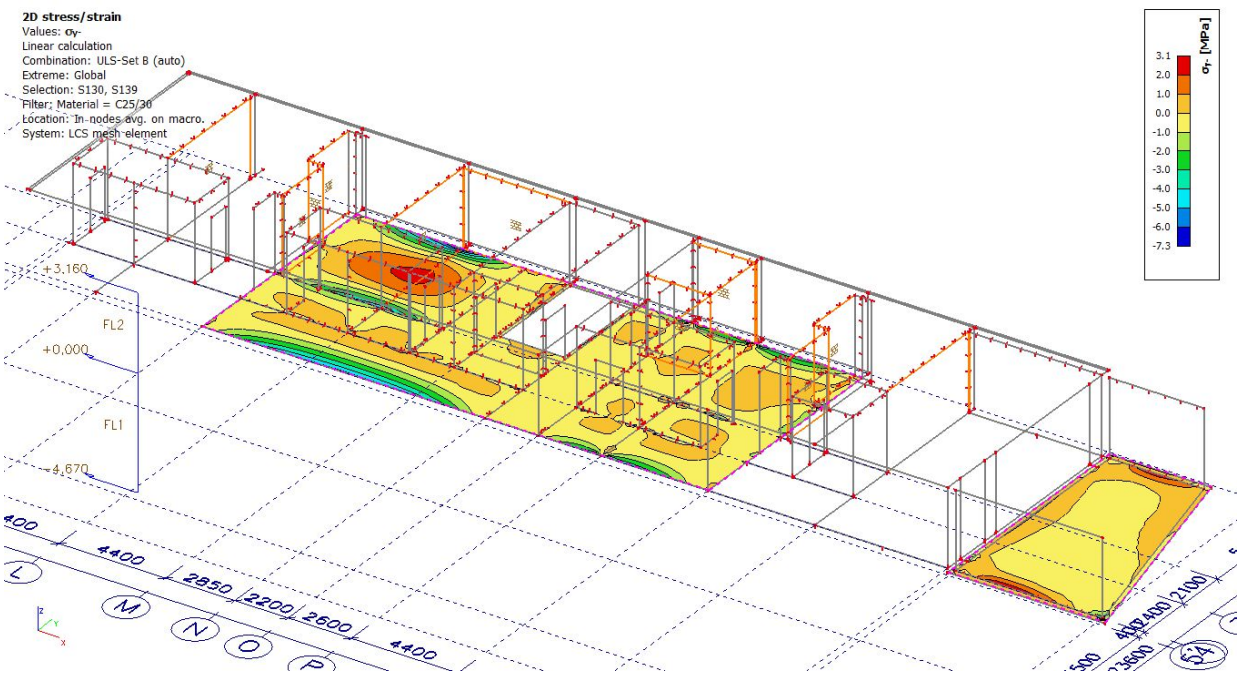
Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC7

Name	Combination key
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC8
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC7
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Set B (auto)/6	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC5
ULS-Set B (auto)/7	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 0.90*LC5 + 1.50*LC7
ULS-Set B (auto)/8	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 0.90*LC6 + 1.50*LC7
ULS-Set B (auto)/9	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.90*LC5 + 1.50*LC7









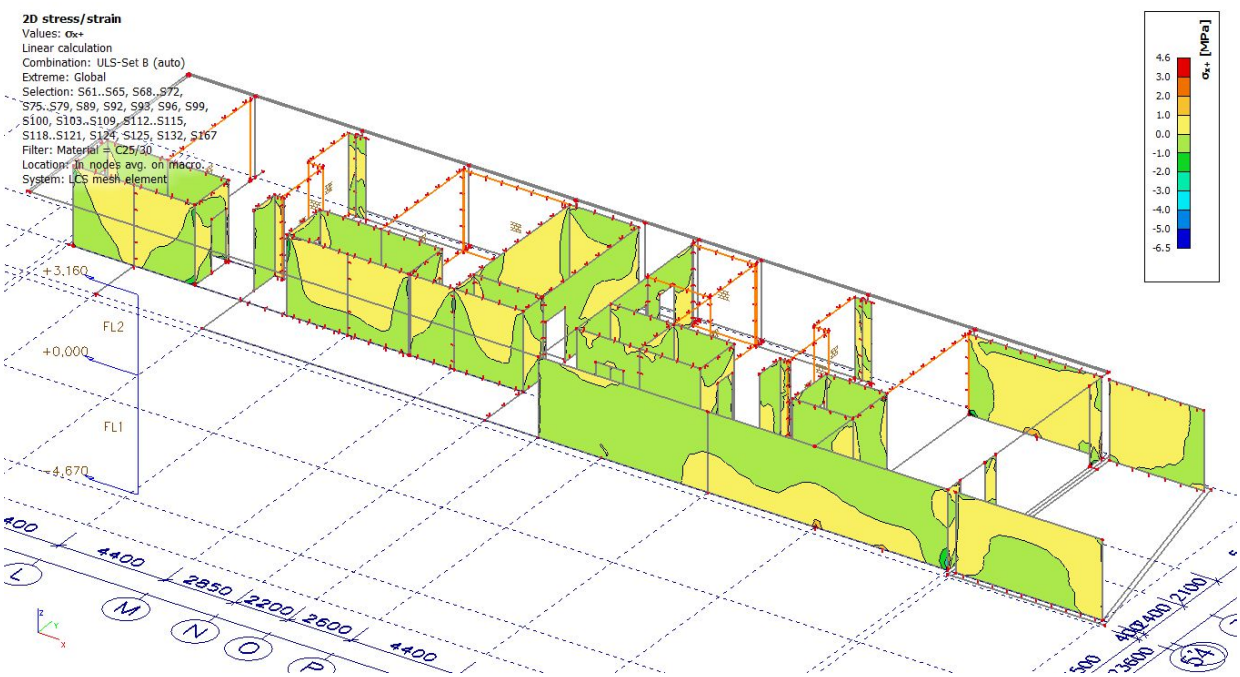
Selection: All
Filter: Material = C25/30
Location: In nodes avg. on macro. System: LCS mesh element

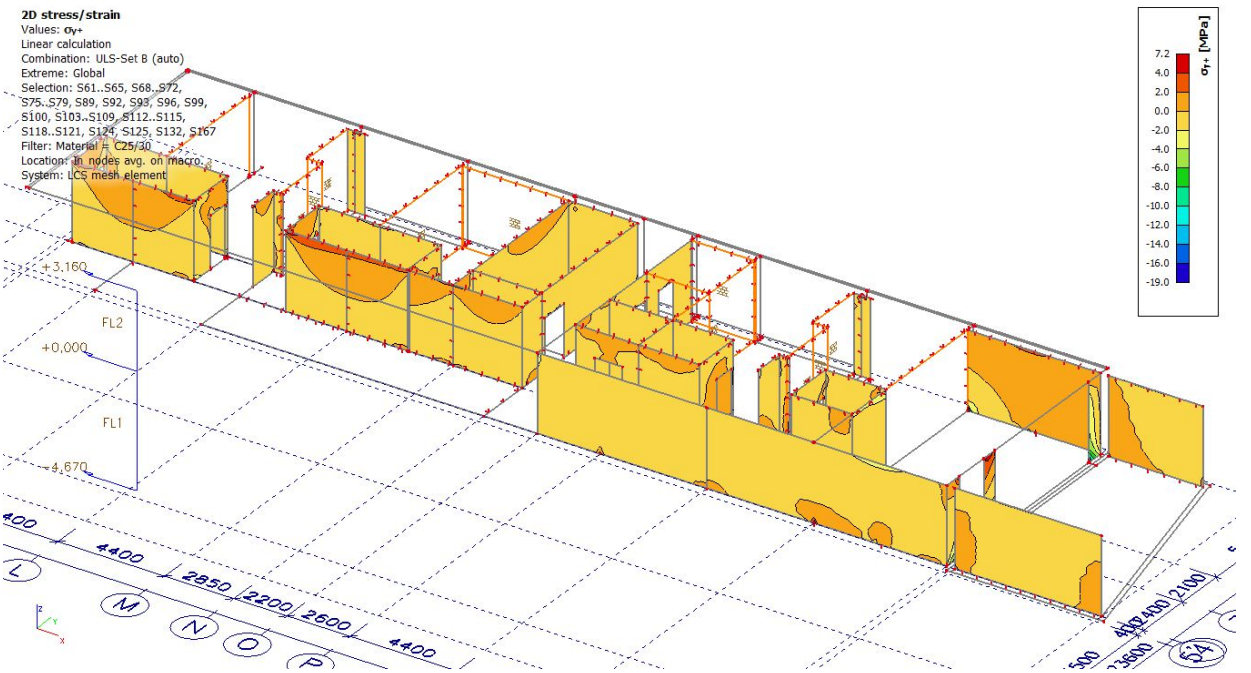
Basic stress

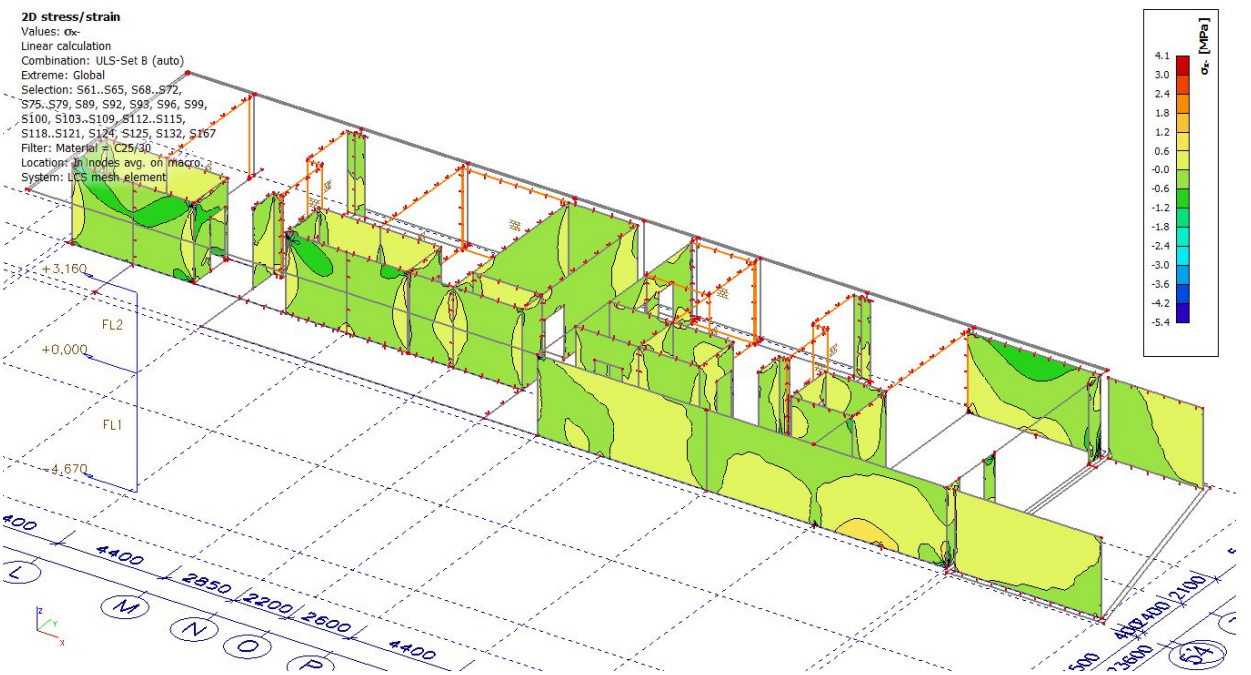
Name	Case	σ_{x+} [MPa] σ_{x-} [MPa]	σ_{y+} [MPa] σ_{y-} [MPa]	τ_{xy+} [MPa] τ_{xy-} [MPa]	τ_{xz} [MPa]	τ_{yz} [MPa]
S119	ULS-Set B (auto)/1	**-6,5** 2,3	-18,7 2,8	-5,5 1,9	3,8	1,3
S118	ULS-Set B (auto)/2	-5,8 **4,1**	-9,1 6,6	4,1 -3,7	2,5	-2,7
S121	ULS-Set B (auto)/2	**4,6** -1,0	**7,2** -2,7	3,6 -1,1	1,9	0,7
S118	ULS-Set B (auto)/3	-6,5 4,1	-10,1 **6,7**	4,7 -3,8	2,7	-2,9
S119	ULS-Set B	-6,5	**-19,0**	**-5,5**	**3,9**	1,4

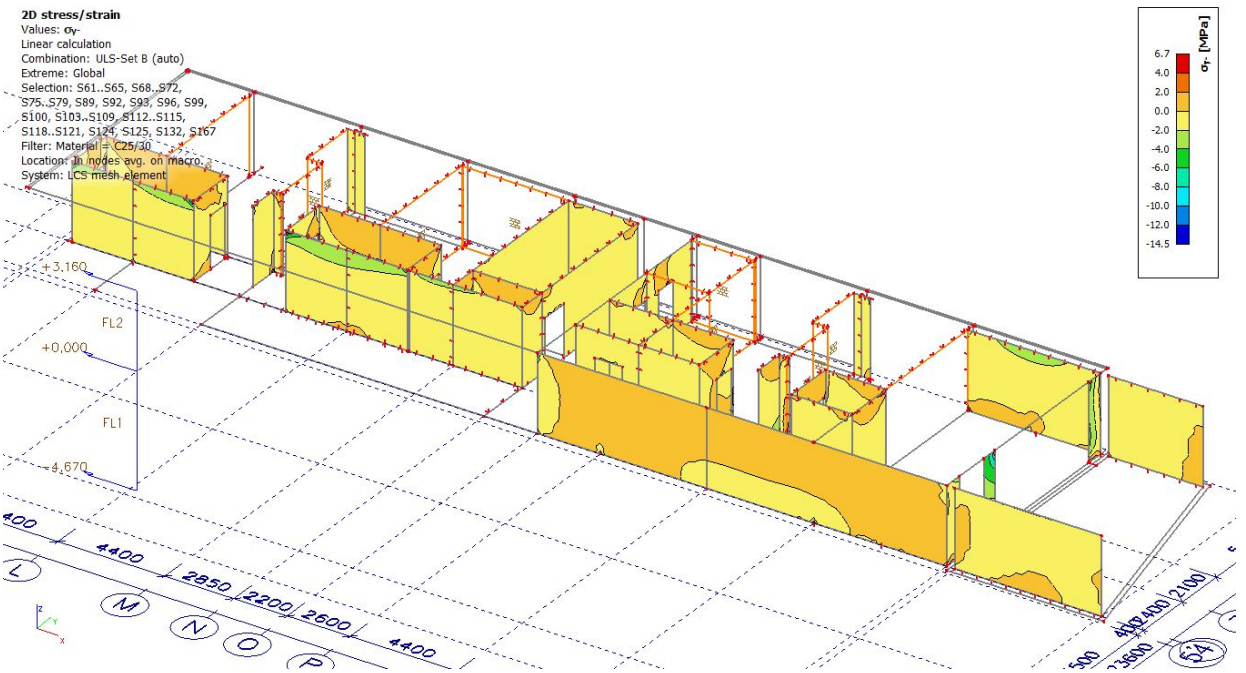
Name	Case	σ_{x+} [MPa] σ_{x-} [MPa]	σ_{y+} [MPa] σ_{y-} [MPa]	τ_{xy+} [MPa] τ_{xy-} [MPa]	τ_{xz} [MPa]	τ_{yz} [MPa]
	(auto)/4	2,6	3,2	2,1		
S121	ULS-Set B (auto)/2	-5,6 2,3	-15,3 3,7	**4,9** -2,2	-3,5	1,1
S167	ULS-Set B (auto)/4	-0,3 **-5,4**	1,5 -13,4	-0,2 **-4,4**	1,6	0,3
S119	ULS-Set B (auto)/4	-1,0 -0,1	-5,9 2,9	-3,8 **3,7**	2,8	0,6
S121	ULS-Set B (auto)/4	-5,4 2,6	-15,1 4,0	4,9 -2,3	**-3,5**	1,0
S72	ULS-Set B (auto)/5	0,4 -3,4	4,8 **-14,5**	0,0 -1,5	-0,4	**-3,2**
S93	ULS-Set B (auto)/5	-1,2 0,5	-4,4 5,9	1,5 -1,7	-0,6	**2,1**

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 0.90*LC5 + 1.50*LC7
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC7
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC7
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5




2D stress/strain
Values: σy+
Linear calculation
Combination: ULS-Set B (auto)
Extreme: Global
Selection: S61..S65, S68..S72, S75..S79, S89, S92, S93, S96, S99, S100, S103..S109, S112..S115, S118..S121, S124, S125, S132, S167
Filter: Material = C25/30
Location: In nodes avg. on macro
System: LCS mesh element
σy+ [MPa]
7.2
4.0
2.0
0.0
-2.0
-4.0
-6.0
-8.0
-10.0
-12.0
-14.0
-16.0
-19.0
+3,160
FL2
+0,000
FL1
-4,670
400
4400
2850
2200
2600
4400
L
M
N
O
P


2D stress/strain
Values: σx-
Linear calculation
Combination: ULS-Set B (auto)
Extreme: Global
Selection: S61..S65, S68..S72, S75..S79, S89, S92, S93, S96, S99, S100, S103..S109, S112..S115, S118..S121, S124, S125, S132, S167
Filter: Material = C25/30
Location: In nodes avg. on macro
System: LCS mesh element
σx- [MPa]
4.1
3.0
2.4
1.8
1.2
0.6
-0.0
-0.6
-1.2
-1.8
-2.4
-3.0
-3.6
-4.2
-5.4
+3,160
FL2
+0,000
FL1
-4,670
400
4400
2850
2200
2600
4400
L
M
N
O
P

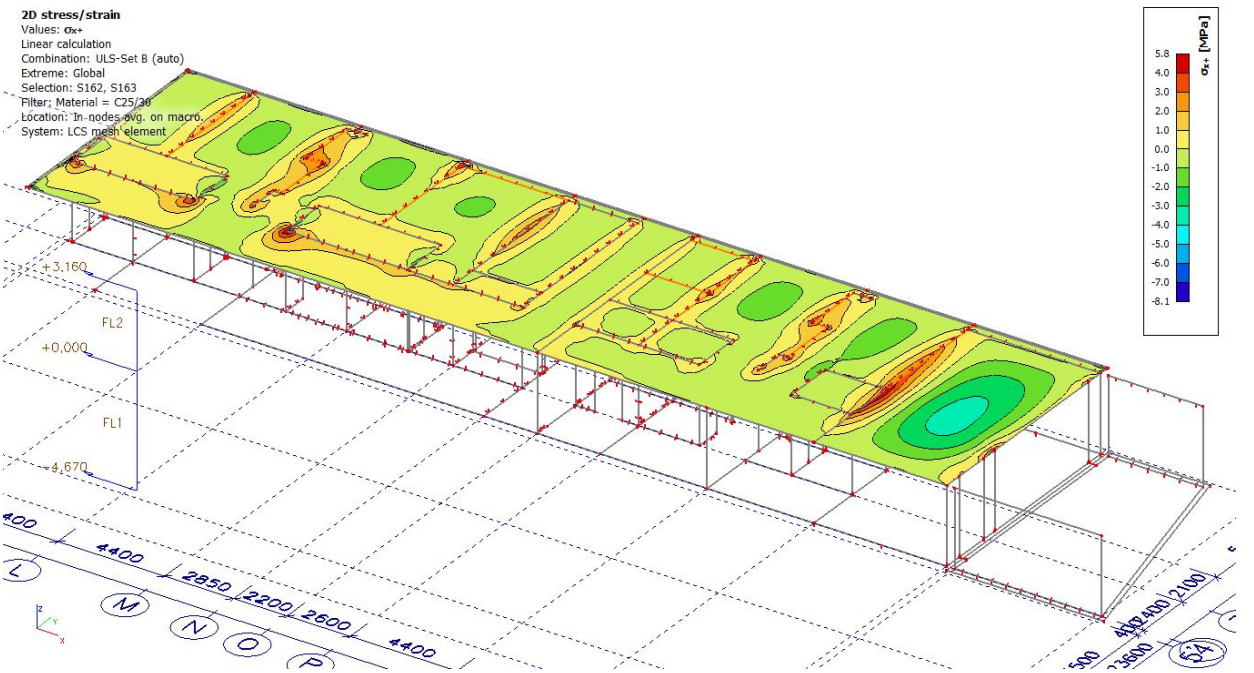


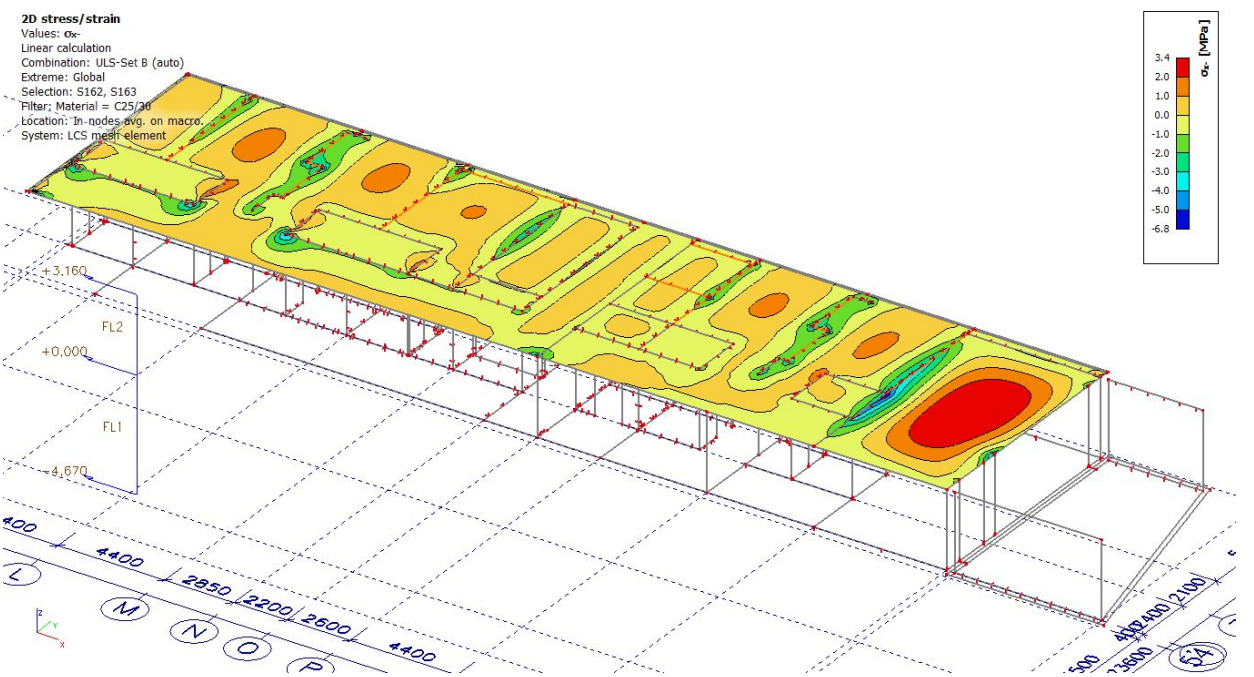
Selection: S162, S163
Filter: Material = C25/30
Location: In nodes avg. on macro. System: LCS mesh element

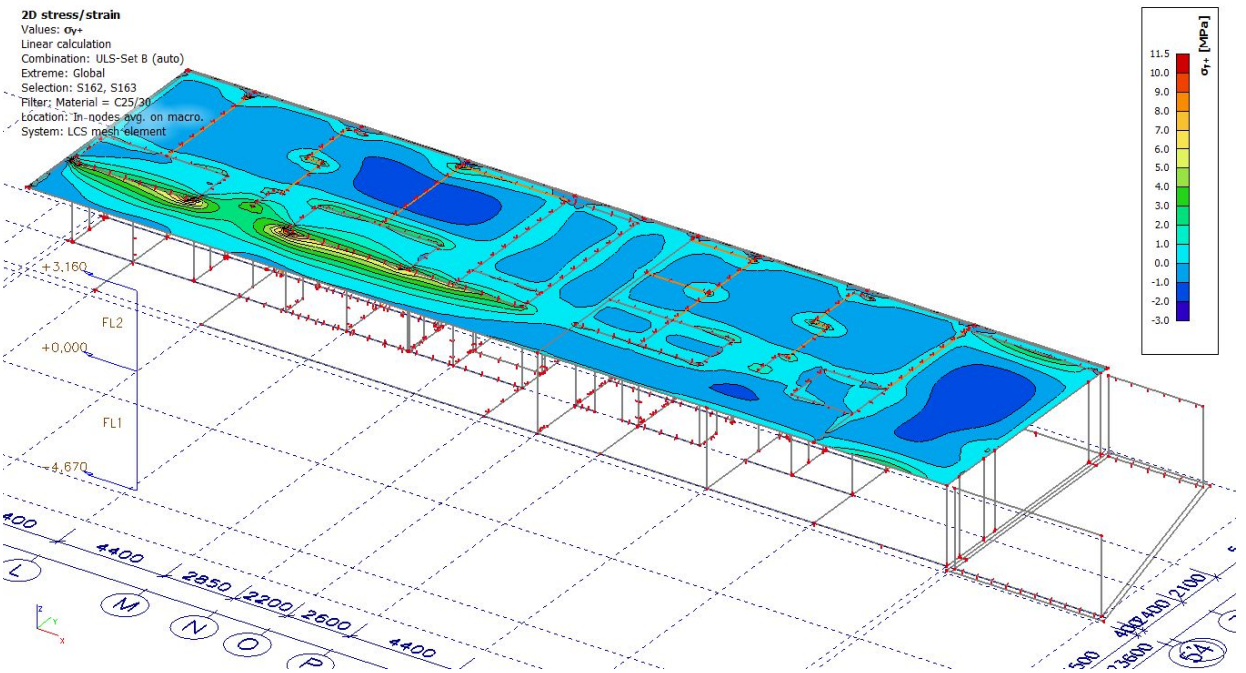
Basic stress

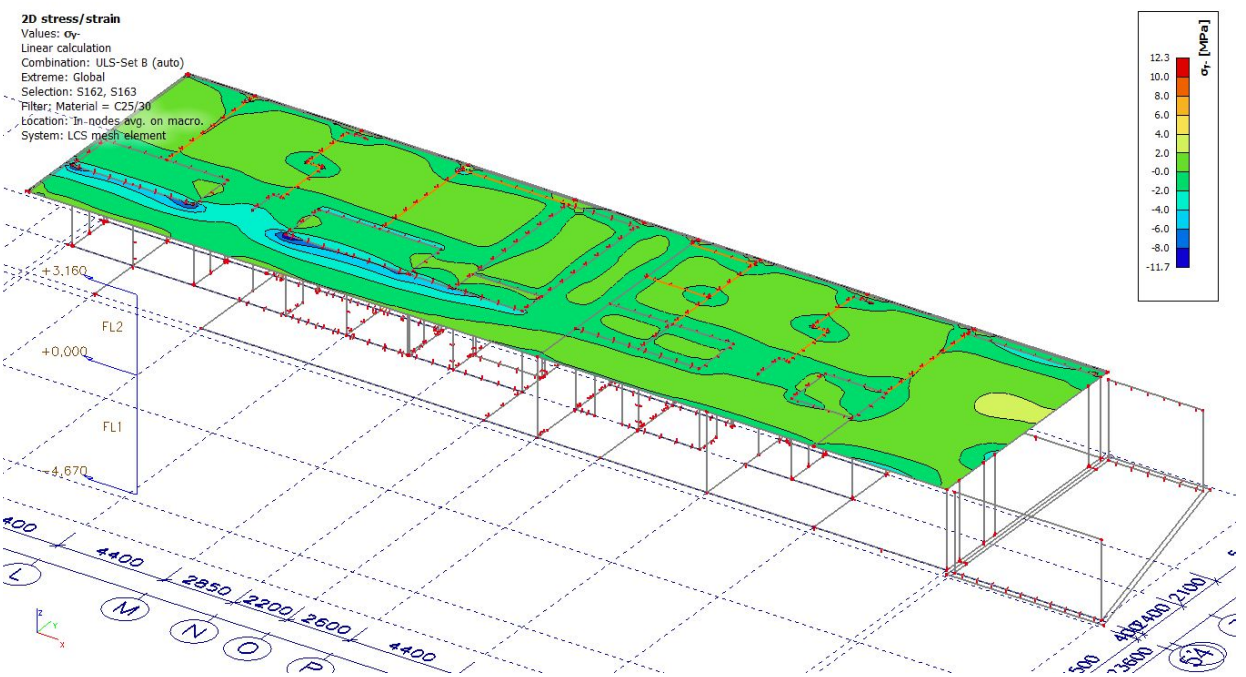
Name	Case	σ_{x+} [MPa] σ_{x-} [MPa]	σ_{y+} [MPa] σ_{y-} [MPa]	T_{xy+} [MPa] T_{xy-} [MPa]	T_{xz} [MPa]	T_{yz} [MPa]
S163	ULS-Set B (auto)/1	**5,8** -6,3	1,0 -1,8	0,4 -0,1	-0,4	0,0
S163	ULS-Set B (auto)/2	5,4 **-6,8**	0,8 -2,0	0,5 -0,7	-0,6	-0,6
S163	ULS-Set B (auto)/3	-3,3 **3,4**	-1,7 2,0	0,2 -0,1	0,0	0,0
S162	ULS-Set B (auto)/4	-0,7 -0,8	**-3,0** 2,9	0,2 0,2	-0,1	0,4
S162	ULS-Set B (auto)/5	4,2 -3,3	**11,5** -11,7	0,8 -0,4	-0,6	0,7
S162	ULS-Set B (auto)/3	4,1 -3,3	11,5 **-11,7**	0,8 -0,4	-0,6	0,7
S162	ULS-Set B (auto)/3	-8,1 0,3	-1,9 **12,3**	-4,6 1,0	2,1	4,7
S162	ULS-Set B (auto)/5	**-8,1** 0,3	-1,9 12,2	**-4,6** 1,0	2,1	**4,7**
S162	ULS-Set B (auto)/5	2,4 0,7	1,1 1,6	**3,0** 0,8	0,0	1,0
S162	ULS-Set B (auto)/1	3,4 -4,0	7,8 -7,9	2,5 **-2,8**	2,1	2,3
S162	ULS-Set B (auto)/3	-6,3 -3,2	-2,1 1,7	2,8 **2,9**	2,2	0,3
S162	ULS-Set B (auto)/1	-0,7 0,2	4,2 -4,3	0,1 -0,1	**-1,6**	1,3
S162	ULS-Set B (auto)/3	-3,0 1,4	-1,9 -2,4	1,2 -2,0	**3,6**	**-2,1**

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC8
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC8
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC7
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5


2D stress/strain
Values: σx+
Linear calculation
Combination: ULS-Set B (auto)
Extreme: Global
Selection: S162, S163
Filter; Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh-element
σx+ [MPa]
5.8
4.0
3.0
2.0
1.0
0.0
-1.0
-2.0
-3.0
-4.0
-5.0
-6.0
-7.0
-8.1
+3,160
FL2
+0,000
FL1
-4,670
400
4400
2850
2200
2600
4400
L
M
N
O
P


2D stress/strain
Values: σx-
Linear calculation
Combination: ULS-Set B (auto)
Extreme: Global
Selection: S162, S163
Filter; Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh-element
σx- [MPa]
3.4
2.0
1.0
0.0
-1.0
-2.0
-3.0
-4.0
-5.0
-6.8
+3,160
FL2
+0,000
FL1
-4,670
400
4400
2850
2200
2600
4400
L
M
N
O
P





4.4 NAPETOSTI V ZIDANIH ZIDOVIH - ULS

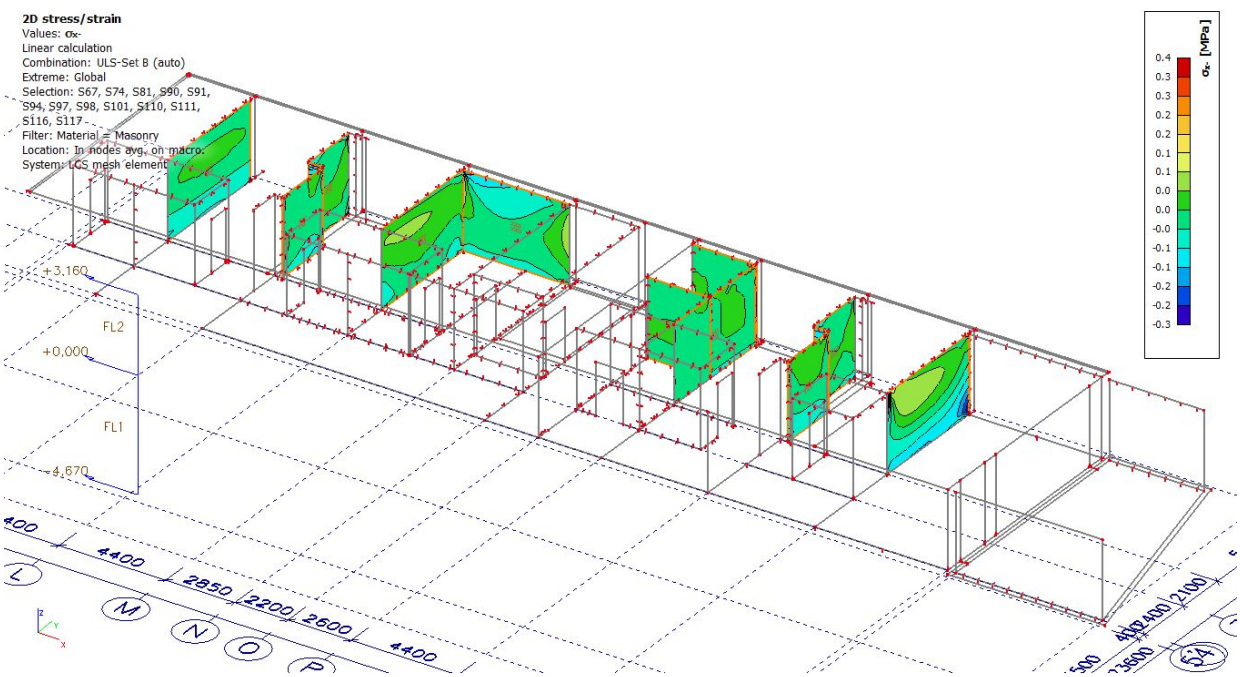
Linear calculation
Selection: S67, S74, S81, S90, S91, S94, S97, S98, S101, S110, S111, S116, S117
Filter: Material = Masonry; Location: In nodes avg. on macro. System: LCS mesh element

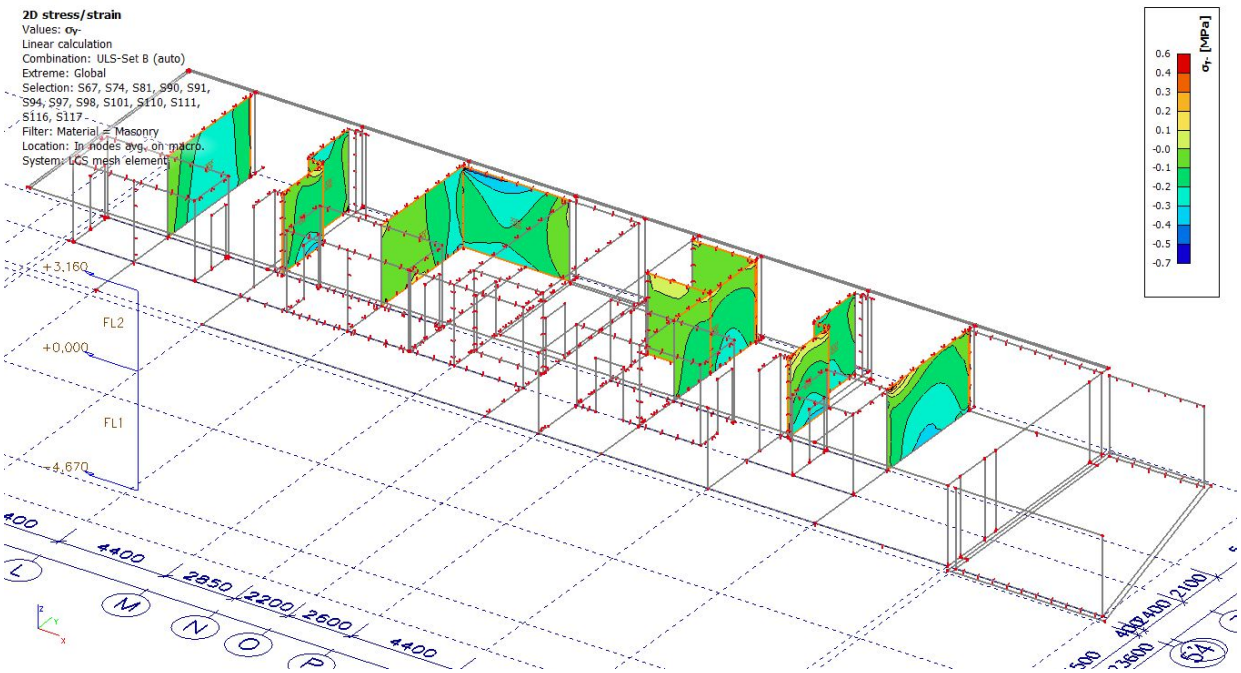
Basic stress

Name	Case	σ_{x+} [MPa] σ_{x-} [MPa]	σ_{y+} [MPa] σ_{y-} [MPa]	τ_{xy+} [MPa] τ_{xy-} [MPa]	τ_{xz} [MPa]	τ_{yz} [MPa]
S116	ULS-Set B (auto)/1	**-0,3** 0,2	-0,2 -0,1	0,0 0,0	0,0	0,0
S116	ULS-Set B (auto)/2	0,1 **-0,3**	0,0 -0,2	0,1 -0,1	0,0	-0,1
S116	ULS-Set B (auto)/1	-0,1 **0,4**	-0,1 -0,1	0,1 -0,1	0,1	-0,1

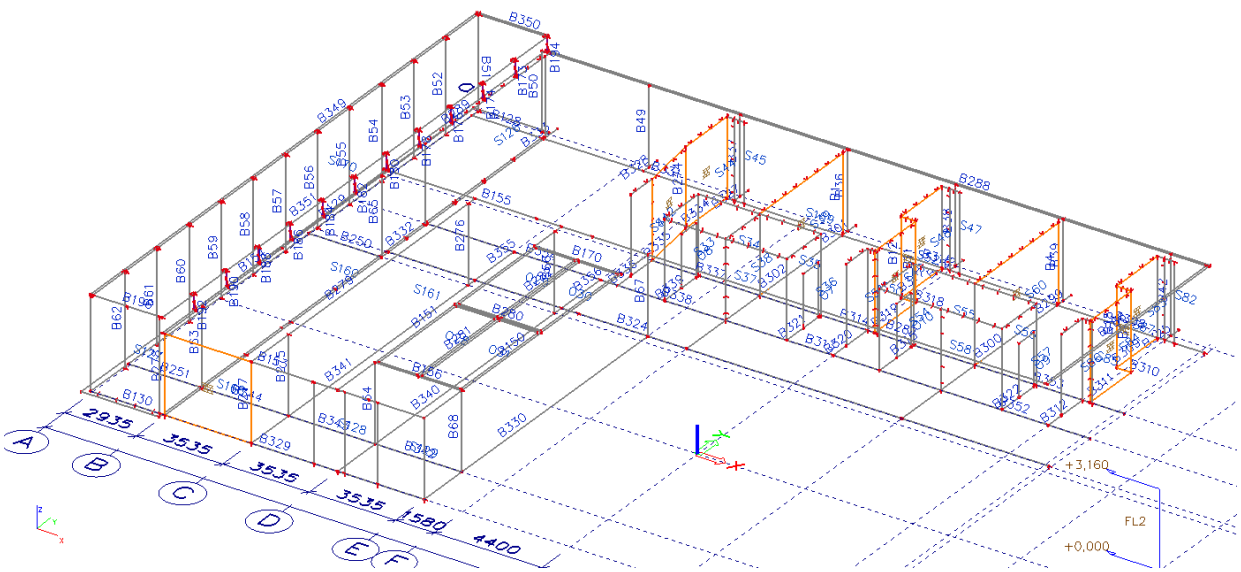
Name	Case	σ_{x+} [MPa] σ_{x-} [MPa]	σ_{y+} [MPa] σ_{y-} [MPa]	T_{xy+} [MPa] T_{xy-} [MPa]	T_{xz} [MPa]	T_{yz} [MPa]
S116	ULS-Set B (auto)/3	-0,2 -0,2	**-0,8** 0,3	0,0 0,0	-0,1	-0,2
S117	ULS-Set B (auto)/4	0,1 -0,2	**0,5** -0,7	0,0 0,0	0,0	-0,2
S116	ULS-Set B (auto)/3	-0,2 0,1	-0,5 **0,6**	-0,1 0,1	-0,1	-0,1
S110	ULS-Set B (auto)/5	-0,1 0,0	-0,4 0,1	**-0,2** **0,2**	-0,1	-0,2
S116	ULS-Set B (auto)/1	**0,7** 0,3	0,1 -0,3	**0,3** **-0,3**	**-0,1**	-0,2
S116	ULS-Set B (auto)/2	0,0 0,3	-0,3 -0,3	0,0 0,0	**0,1**	0,0
S117	ULS-Set B (auto)/6	0,1 -0,2	0,5 **-0,7**	0,0 0,0	0,0	**-0,2**
S90	ULS-Set B (auto)/7	-0,1 0,1	-0,3 0,3	0,0 0,0	0,0	**0,1**

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC8
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC7
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.90*LC6 + 1.50*LC7
ULS-Set B (auto)/6	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC8
ULS-Set B (auto)/7	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5

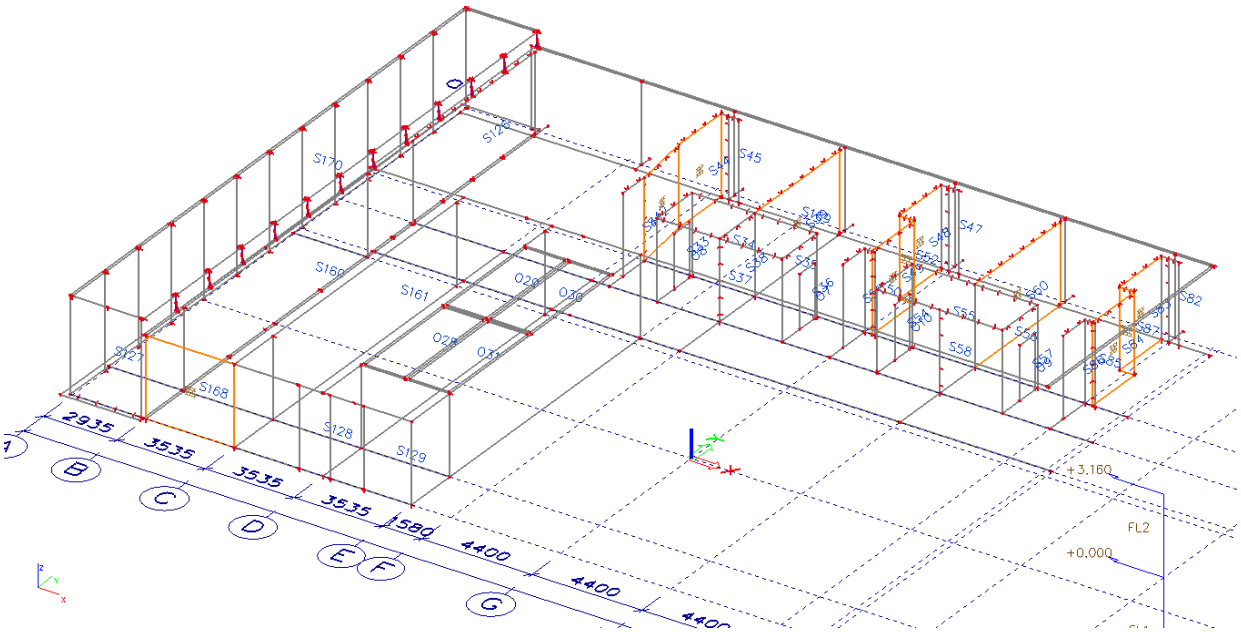




5.0 DIMENZIONIRANJE ELEMENTOV KONSTRUKCIJE – DILATACIJA A-I'



Geometrija – linijski elementi



Geometrija – ploskovni elementi

5.1.DEFORMACIJE IN POMIKI

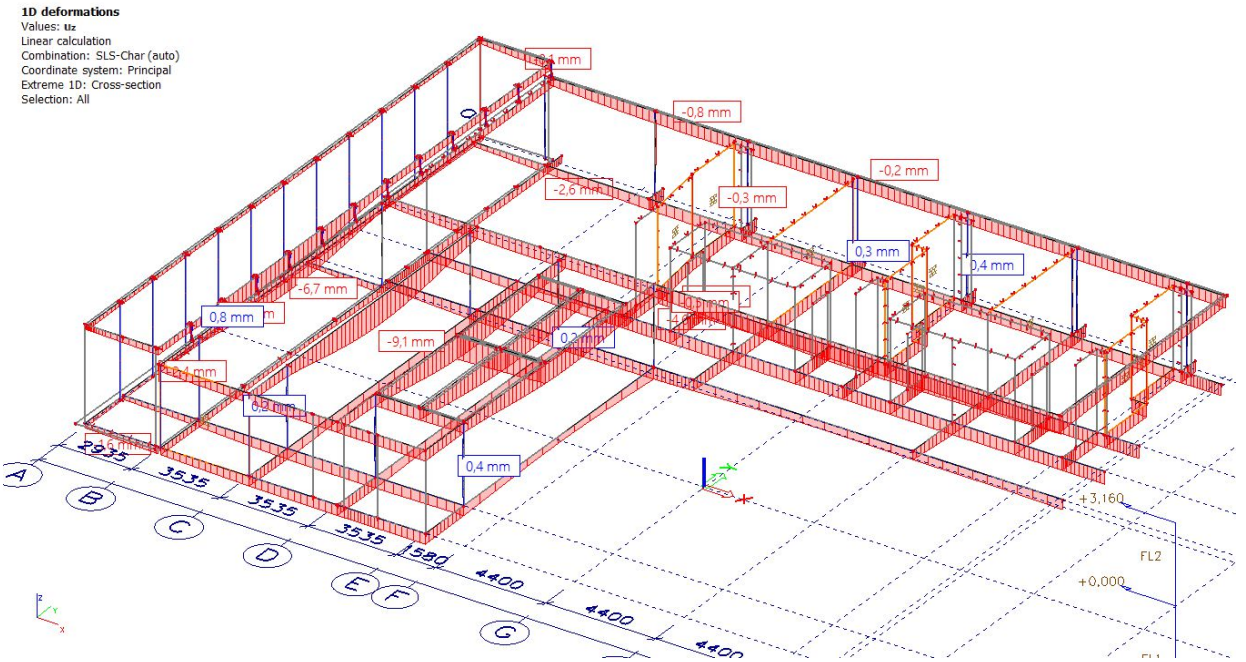
5.1.1 Deformacije 1D elementov

Linear calculation, Extreme : Cross-section, System : Principal
Class : All SLS

Deformations

Name	dx [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
B274	3,160	SLS-Char (auto)/1	**-4,9**	0,1	0,0	0,0	-0,5	-0,1	4,9
B186	0,000	SLS-Char (auto)/2	**6,6**	0,0	0,6	0,0	1,5	0,0	6,7
B351	0,000	SLS-Char (auto)/3	0,0	**-0,9**	-2,3	0,3	0,0	0,0	2,5
B349	23,600	SLS-Char (auto)/3	0,1	**0,9**	-1,6	-0,3	0,0	0,0	1,8
B279	7,800-	SLS-Char (auto)/4	0,0	-0,1	**-9,1**	0,2	0,1	0,0	**9,1**
B192	0,000	SLS-Char (auto)/3	2,3	0,0	**0,8**	0,0	0,3	-0,3	2,5
B349	15,153-	SLS-Char (auto)/5	0,0	0,6	-1,2	**-2,1**	-0,1	0,0	1,4
B351	7,281-	SLS-Char (auto)/3	0,0	-0,7	-6,5	**1,6**	0,2	0,0	6,5
B49	3,160	SLS-Char (auto)/6	-4,1	0,0	-0,1	0,0	**-1,3**	-0,2	4,1
B186	0,000	SLS-Char (auto)/3	6,5	0,0	0,6	0,0	**1,5**	0,0	6,5
B59	3,760	SLS-Char (auto)/5	-1,2	-0,6	0,0	0,0	0,0	**-1,9**	1,4
B182	0,600	SLS-Char (auto)/5	3,9	0,1	0,1	0,0	0,8	**1,0**	3,9

Name	Combination key
SLS-Char (auto)/1	LC1 + LC2 + LC3 + LC4 + 0.60*LC6
SLS-Char (auto)/2	LC1 + LC2 + LC3 + LC4 + 0.70*LC8
SLS-Char (auto)/3	LC1 + LC2 + LC3 + LC4 + 0.60*LC5
SLS-Char (auto)/4	LC1 + LC2 + LC3 + LC4 + 0.70*LC7
SLS-Char (auto)/5	LC1 + LC2 + LC3 + LC4
SLS-Char (auto)/6	LC1 + LC2 + LC3 + LC4 + 0.60*LC6 + 0.70*LC7

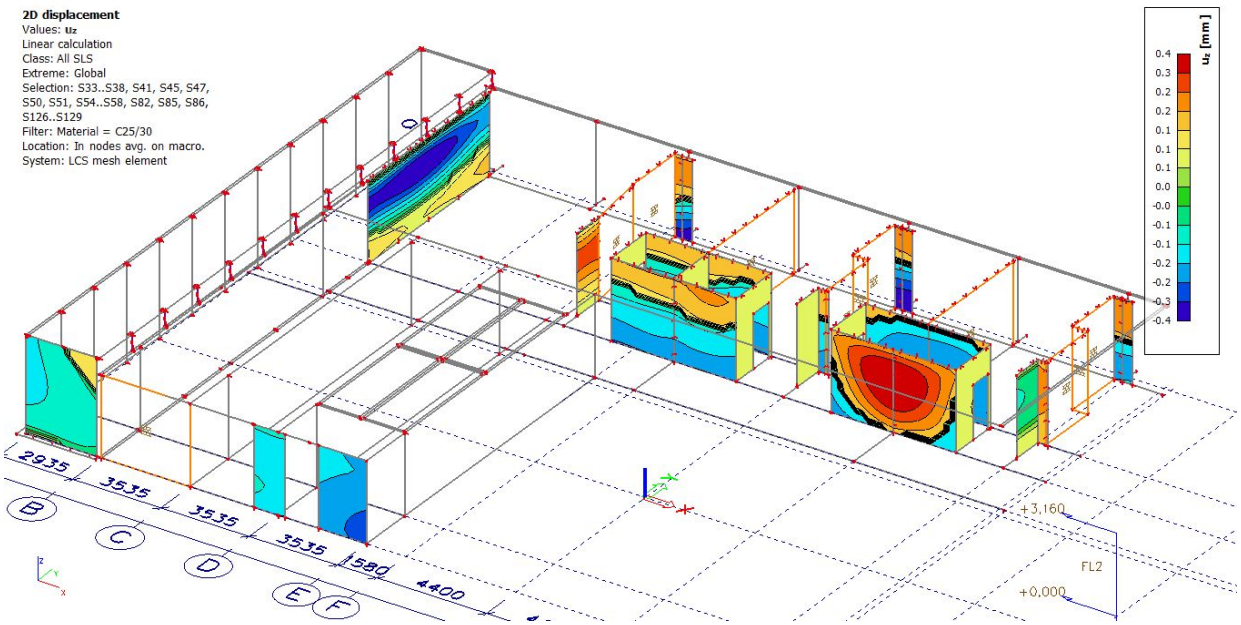


5.1.2 Deformacije 2D elementov

Linear calculation
Class: All SLS; Extreme: Global; Selection: All
Filter: Material = C25/30
Location: In nodes avg. on macro. System: LCS mesh element

Name	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
S38	SLS-Char (auto)/1	**-0,3**	-4,3	0,1	0,0	0,0	0,0	4,3
S127	SLS-Char (auto)/2	**0,9**	1,5	-0,1	0,0	0,0	0,3	1,8
S41	SLS-Char (auto)/3	0,2	**-4,7**	0,0	-0,5	0,0	-0,2	**4,7**
S34	SLS-Char (auto)/3	0,0	**4,6**	0,2	-0,1	0,0	0,0	4,6
S126	SLS-Char (auto)/3	0,1	-2,6	**-0,4**	0,0	0,0	0,0	2,7
S58	SLS-Char (auto)/4	0,0	4,1	**0,4**	0,0	0,0	0,0	4,1
S41	SLS-Char (auto)/5	0,1	-4,7	0,0	**-0,5**	0,0	-0,2	4,7
S126	SLS-Char (auto)/3	0,1	-2,6	0,0	**0,9**	0,0	0,0	2,6
S58	SLS-Char (auto)/6	0,0	4,4	0,2	0,0	**-0,1**	0,0	4,4
S58	SLS-Char (auto)/7	0,0	4,4	0,0	0,0	**0,1**	0,0	4,4
S58	SLS-Char (auto)/3	0,0	4,4	0,1	0,3	0,0	**-0,2**	4,4
S127	SLS-Char (auto)/2	-0,1	2,3	0,0	0,0	0,0	**0,3**	2,3
S127	SLS-Char (auto)/8	0,0	1,4	-0,1	0,1	0,0	0,2	**1,4**

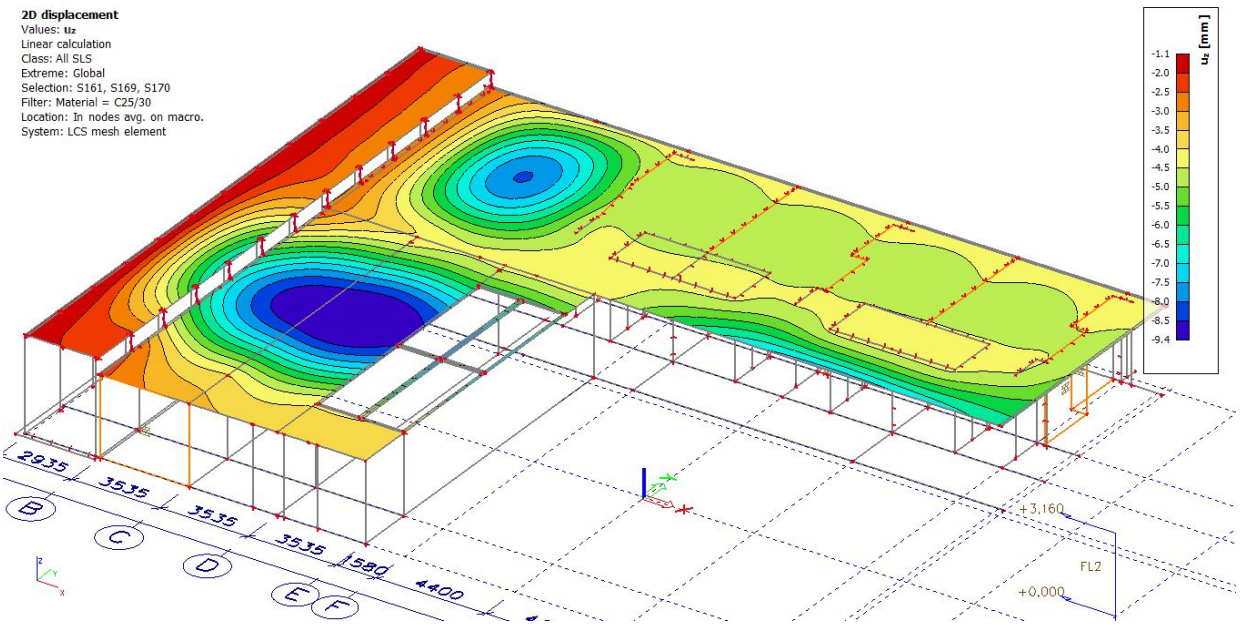
Name	Combination key
SLS-Char (auto)/1	LC1 + LC2 + LC3 + 0.50*LC4 + LC5 + 0.70*LC8
SLS-Char (auto)/2	LC1 + LC2 + LC3 + LC4 + 0.60*LC5
SLS-Char (auto)/3	LC1 + LC2 + LC3 + LC4 + 0.60*LC6
SLS-Char (auto)/4	LC1 + LC2 + LC3 + 0.50*LC4 + LC6
SLS-Char (auto)/5	LC1 + LC2 + LC3 + LC4 + 0.60*LC6 + 0.70*LC8
SLS-Char (auto)/6	LC1 + LC2 + LC3 + LC4 + 0.60*LC6 + 0.70*LC7
SLS-Char (auto)/7	LC1 + LC2 + LC3 + LC4 + 0.60*LC5 + 0.70*LC7
SLS-Char (auto)/8	LC1 + LC2 + LC3 + LC5



Selection: S161, S169, S170
Filter: Material = C25/30
Location: In nodes avg. on macro. System: LCS mesh element

Name	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
S161	SLS-Char (auto)/1	**-0,1**	0,2	-2,5	0,0	0,4	-0,1	2,5
S170	SLS-Char (auto)/2	**0,9**	-0,1	-1,5	0,0	0,3	0,0	1,8
S161	SLS-Char (auto)/3	0,2	**-0,5**	-5,4	-0,9	-0,4	0,1	5,4
S161	SLS-Char (auto)/4	0,0	**0,2**	-5,0	0,6	-0,1	0,0	5,0
S161	SLS-Char (auto)/5	0,0	0,0	**-9,4**	0,0	0,0	0,0	**9,4**
S170	SLS-Char (auto)/6	0,6	-0,1	**-0,9**	0,0	1,4	0,0	1,1
S161	SLS-Char (auto)/5	0,0	0,0	-6,0	**-1,3**	0,2	0,0	6,0
S169	SLS-Char (auto)/3	0,0	-0,1	-6,9	**1,5**	0,0	0,0	6,9
S169	SLS-Char (auto)/7	0,0	0,1	-6,1	-0,1	**-1,3**	0,0	6,1
S170	SLS-Char (auto)/8	0,6	0,0	-2,3	0,0	**2,2**	0,0	2,4
S161	SLS-Char (auto)/9	0,1	-0,2	-3,6	-0,2	-0,3	**-0,2**	3,6
S169	SLS-Char (auto)/10	0,0	0,1	-4,3	0,8	0,0	**0,1**	4,3
S170	SLS-Char (auto)/11	0,3	0,1	-1,0	0,0	0,6	0,0	**1,0**

Name	Combination key
SLS-Char (auto)/1	LC1 + LC2 + LC3 + LC4 + 0.60*LC6 + 0.70*LC7
SLS-Char (auto)/2	LC1 + LC2 + LC3 + LC4 + 0.60*LC5
SLS-Char (auto)/3	LC1 + LC2 + LC3 + LC4 + 0.60*LC5 + 0.70*LC7
SLS-Char (auto)/4	LC1 + LC2 + LC3 + 0.50*LC4 + LC6
SLS-Char (auto)/5	LC1 + LC2 + LC3 + LC4 + 0.70*LC7
SLS-Char (auto)/6	LC1 + LC2 + LC3 + LC5
SLS-Char (auto)/7	LC1 + LC2 + LC3 + LC4 + 0.60*LC6 + 0.70*LC8
SLS-Char (auto)/8	LC1 + LC2 + LC3 + LC4
SLS-Char (auto)/9	LC1 + LC2 + LC3 + LC4 + 0.60*LC5 + 0.70*LC8
SLS-Char (auto)/10	LC1 + LC2 + LC3 + LC4 + 0.60*LC6
SLS-Char (auto)/11	LC1 + LC2 + LC3 + LC6



Deformacije Uz [mm]

5.2.NOTRANJE STATIČNE KOLIČINE - ULS

5.2.1 Elementi 1D

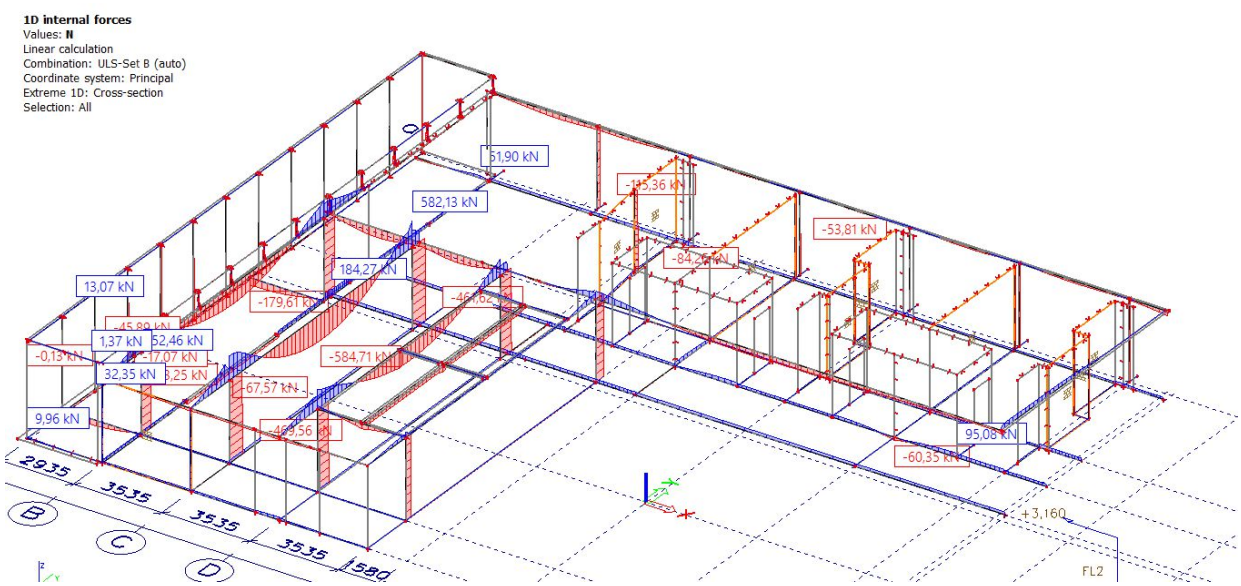
Linear calculation
Combination: ULS-Set B (auto); Coordinate system: Principal
Extreme 1D: Cross-section; Selection: All

Name	dx [m]	Case	Cross-section	N [kN]	V_y [kN]	V_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]
B1	0,972-	ULS-Set B (auto)/1	CS1 - Rectangle (320; 200)	**-53,81**	0,45	8,39	0,05	-0,26	-0,31
B4	3,160	ULS-Set B (auto)/2	CS1 - Rectangle (320; 200)	**-28,42**	0,21	1,98	0,03	3,08	0,44
B1	3,160	ULS-Set B (auto)/4	CS1 - Rectangle (320; 200)	-44,22	0,35	**-1,14**	0,03	3,04	0,72
B1	0,000	ULS-Set B (auto)/1	CS1 - Rectangle (320; 200)	-52,61	0,51	**31,24**	-0,02	**-18,11**	-0,79
B4	3,160	ULS-Set B (auto)/1	CS1 - Rectangle (320; 200)	-48,77	0,28	3,80	0,04	**5,61**	0,58
B274	0,486-	ULS-Set B (auto)/7	CS17 - Rectangle (200; 200)	**-84,26**	-4,62	0,73	-0,06	-1,12	0,88
B278	3,160	ULS-Set B (auto)/1	CS17 - Rectangle (200; 200)	**32,35**	**-14,57**	1,16	-0,02	0,42	-6,94
B277	3,160	ULS-Set B (auto)/1	CS17 - Rectangle (200; 200)	28,69	**7,46**	-0,85	0,07	-1,99	0,55
B12	3,160	ULS-Set B (auto)/8	CS17 - Rectangle (200; 200)	-32,67	-0,52	**8,79**	-0,10	2,58	-1,03
B11	3,160	ULS-Set B (auto)/9	CS17 - Rectangle (200; 200)	-31,41	-0,73	**-8,77**	-0,06	**-2,50**	-0,76
B274	3,160	ULS-Set B (auto)/8	CS17 - Rectangle (200; 200)	-79,61	-2,24	1,29	0,15	**3,96**	-1,75
B278	3,160	ULS-Set B (auto)/6	CS17 - Rectangle (200; 200)	31,00	-14,51	1,10	-0,02	0,33	**-6,96**
B278	0,000	ULS-Set B (auto)/6	CS17 - Rectangle (200; 200)	21,31	-11,84	1,07	-0,08	-0,22	**5,72**
B49	0,000	ULS-Set B (auto)/10	CS13 - Rectangle (200; 200)	**-115,36**	-1,37	2,29	-0,06	-3,26	2,28
B50	3,160	ULS-Set B (auto)/11	CS13 - Rectangle (200; 200)	**-2,23**	-0,41	-0,91	0,00	0,00	0,00
B59	0,000	ULS-Set B (auto)/12	CS13 - Rectangle (200; 200)	-43,20	**-4,05**	-0,10	-0,04	0,18	**4,72**
B51	0,000	ULS-Set B (auto)/1	CS13 - Rectangle (200; 200)	-18,68	**2,09**	0,17	-0,02	-0,58	-3,60
B42	0,000	ULS-Set B (auto)/13	CS13 - Rectangle (200; 200)	-20,97	0,00	**-3,08**	0,01	0,93	-0,01
B49	3,160	ULS-Set B (auto)/5	CS13 - Rectangle (200; 200)	-99,10	-1,34	**7,23**	-0,06	10,01	-2,01
B49	0,000	ULS-Set B (auto)/1	CS13 - Rectangle (200; 200)	-114,51	-1,44	5,63	-0,06	**-4,97**	2,40
B49	3,160	ULS-Set B (auto)/6	CS13 - Rectangle (200; 200)	-110,62	-1,43	6,38	-0,06	**10,44**	-2,14
B59	3,760	ULS-Set B (auto)/12	CS13 - Rectangle (200; 200)	-38,22	-4,05	-0,10	-0,04	-0,19	**-10,51**
B275	0,000	ULS-Set B (auto)/9	CS3 - Rectangle (800; 200)	**-469,56**	-3,57	-74,88	0,06	50,62	6,27
B68	3,160	ULS-Set B (auto)/13	CS3 - Rectangle (800; 200)	**-87,39**	0,33	8,03	0,57	-8,19	5,22
B63	3,160	ULS-Set B (auto)/5	CS3 - Rectangle (800; 200)	-294,15	**-19,91**	-30,64	0,60	-96,73	-27,76
B68	3,160	ULS-Set B (auto)/14	CS3 - Rectangle (800; 200)	-148,96	**11,86**	7,77	0,84	-22,27	13,95
B275	0,000	ULS-Set B (auto)/6	CS3 - Rectangle (800; 200)	-467,74	-3,88	**-76,45**	0,05	**53,58**	6,76
B68	0,000	ULS-Set B (auto)/15	CS3 - Rectangle (800; 200)	-138,78	-0,56	**12,58**	0,71	-48,61	-4,15
B68	0,000	ULS-Set B (auto)/8	CS3 - Rectangle (800; 200)	-190,49	9,29	1,47	**1,02**	-42,48	-10,72
B275	3,160	ULS-Set B (auto)/6	CS3 - Rectangle (800; 200)	-451,00	-3,88	-76,45	0,05	**-188,00**	-5,50
B63	3,160	ULS-Set B (auto)/6	CS3 - Rectangle (800; 200)	-338,67	-19,18	-37,51	0,68	-114,54	**-29,30**
B63	0,000	ULS-Set B (auto)/1	CS3 - Rectangle (800; 200)	-361,49	-18,06	-36,34	0,68	0,81	**23,67**
B276	0,000	ULS-Set B (auto)/7	CS4 - Rectangle (600; 200)	**-461,62**	-4,30	55,58	-0,11	-53,28	7,01

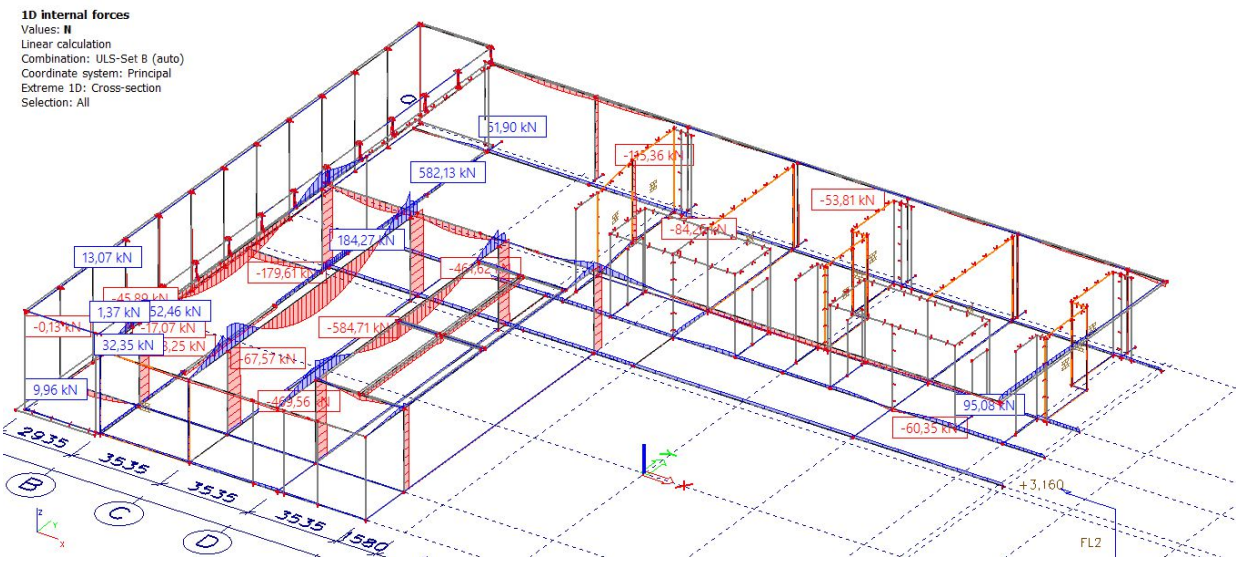
Name	dx [m]	Case	Cross-section	N [kN]	V_y [kN]	V_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]
B67	3,160	ULS-Set B (auto)/16	CS4 - Rectangle (600; 200)	**-150,76**	-2,36	-1,03	-0,12	22,21	-1,58
B65	3,160	ULS-Set B (auto)/5	CS4 - Rectangle (600; 200)	-318,44	**-16,10**	15,75	-0,52	47,39	-19,88
B67	3,160	ULS-Set B (auto)/14	CS4 - Rectangle (600; 200)	-237,30	**6,00**	5,16	-0,11	47,32	2,86
B67	0,000	ULS-Set B (auto)/2	CS4 - Rectangle (600; 200)	-160,28	3,64	**-1,04**	-0,13	25,50	-3,60
B276	0,000	ULS-Set B (auto)/1	CS4 - Rectangle (600; 200)	-460,56	-4,52	55,72	-0,12	**-53,52**	7,36
B276	3,160	ULS-Set B (auto)/1	CS4 - Rectangle (600; 200)	-448,01	-4,52	**55,72**	-0,12	**122,56**	-6,92
B65	3,160	ULS-Set B (auto)/6	CS4 - Rectangle (600; 200)	-365,29	-14,86	19,70	-0,60	56,96	**-20,46**
B65	0,000	ULS-Set B (auto)/1	CS4 - Rectangle (600; 200)	-381,89	-13,65	21,85	**-0,63**	-8,40	**18,57**
B250	0,000	ULS-Set B (auto)/12	CS8 - Rectangle (620; 500)	**-179,61**	25,11	-12,17	7,25	-47,64	-13,64
B128	0,258-	ULS-Set B (auto)/9	CS8 - Rectangle (620; 500)	**51,90**	-21,23	-118,62	-17,11	63,44	3,99
B250	2,878	ULS-Set B (auto)/1	CS8 - Rectangle (620; 500)	23,99	**-85,72**	154,41	24,38	43,30	-7,80
B251	2,925	ULS-Set B (auto)/10	CS8 - Rectangle (620; 500)	24,84	**46,20**	153,99	-8,83	17,30	7,24
B130	2,935	ULS-Set B (auto)/12	CS8 - Rectangle (620; 500)	22,43	-63,18	78,80	**49,86**	-22,10	5,78
B250	0,959-	ULS-Set B (auto)/12	CS8 - Rectangle (620; 500)	-145,18	8,11	16,33	13,66	**-63,06**	-1,63
B128	0,000	ULS-Set B (auto)/7	CS8 - Rectangle (620; 500)	31,15	-23,99	-133,19	-19,01	**102,72**	7,95
B250	0,000	ULS-Set B (auto)/18	CS8 - Rectangle (620; 500)	-173,71	25,18	-11,80	7,13	-46,16	**-13,64**
B251	0,000	ULS-Set B (auto)/12	CS8 - Rectangle (620; 500)	-129,78	-21,70	-26,31	-1,72	-28,21	**12,11**
B128	0,000	ULS-Set B (auto)/1	CS8 - Rectangle (620; 500)	28,81	-23,97	**-134,57**	**-19,60**	102,56	8,25
B251	2,925	ULS-Set B (auto)/12	CS8 - Rectangle (620; 500)	19,27	45,49	**160,01**	-7,95	19,00	7,95
B129	16,837-	ULS-Set B (auto)/6	CS5 - Rectangle (500; 1150)	**-73,25**	4,87	-5,29	7,90	-9,77	-33,76
B129	23,720	ULS-Set B (auto)/7	CS5 - Rectangle (500; 1150)	**9,96**	-15,07	24,56	-5,94	6,00	-5,87
B129	10,420+	ULS-Set B (auto)/12	CS5 - Rectangle (500; 1150)	-56,46	**-88,68**	-0,38	-42,34	7,36	**74,97**
B129	11,337-	ULS-Set B (auto)/12	CS5 - Rectangle (500; 1150)	-57,28	-54,99	-0,74	**-47,47**	6,48	13,40
B129	20,504-	ULS-Set B (auto)/12	CS5 - Rectangle (500; 1150)	-52,72	45,45	-4,57	**38,06**	-24,00	17,09
B129	21,420-	ULS-Set B (auto)/6	CS5 - Rectangle (500; 1150)	-47,08	72,13	-0,53	32,54	**-27,23**	63,94
B129	10,420-	ULS-Set B (auto)/12	CS5 - Rectangle (500; 1150)	-29,64	**77,58**	5,26	15,72	**21,20**	61,00
B129	15,003-	ULS-Set B (auto)/1	CS5 - Rectangle (500; 1150)	-70,98	-2,61	0,97	-15,11	-4,54	**-37,00**
B129	0,120+	ULS-Set B (auto)/1	CS5 - Rectangle (500; 1150)	-6,68	-5,35	**-12,35**	-10,47	2,58	7,63
B129	21,420+	ULS-Set B (auto)/12	CS5 - Rectangle (500; 1150)	-27,23	-62,49	**28,54**	2,61	-25,34	60,89
B279	7,800-	ULS-Set B (auto)/19	CS10 - Rectangle (500; 200)	**-584,71**	-0,54	2,87	-0,48	**123,35**	0,05
B279	13,300-	ULS-Set B (auto)/7	CS10 - Rectangle (500; 200)	**582,13**	-13,53	-109,52	-1,82	-154,08	-1,06
B155	3,635+	ULS-Set B (auto)/9	CS10 - Rectangle (500; 200)	-77,14	**-114,14**	60,51	18,43	-16,30	17,22
B155	3,635-	ULS-Set B (auto)/19	CS10 - Rectangle (500; 200)	-84,75	**116,06**	-65,69	-14,77	-14,98	16,15
B279	13,050-	ULS-Set B (auto)/7	CS10 - Rectangle (500; 200)	409,41	-3,22	**-180,88**	0,55	-148,57	-0,20
B287	0,000	ULS-Set B (auto)/6	CS10 - Rectangle (500; 200)	-95,89	52,87	60,55	**-46,92**	-55,73	-5,59
B283	0,000	ULS-Set B (auto)/1	CS10 - Rectangle (500; 200)	56,74	100,47	39,19	**28,17**	-53,33	-1,93
B287	16,331	ULS-Set B (auto)/19	CS10 - Rectangle (500; 200)	177,36	-35,47	-75,03	13,84	-69,32	**-13,03**
B155	3,635+	ULS-Set B (auto)/18	CS10 - Rectangle (500; 200)	-77,58	-114,13	60,59	18,45	-16,33	**17,23**
B279	2,300+	ULS-Set B (auto)/18	CS10 - Rectangle (500; 200)	550,58	2,47	**272,08**	-1,97	**-249,60**	-0,81
B192	0,300-	ULS-Set B (auto)/12	CS15 - HEA100	**-45,89**	-4,10	39,19	0,00	3,66	0,06
B192	0,300+	ULS-Set B (auto)/6	CS15 - HEA100	**52,46**	-3,92	7,63	0,00	-0,83	0,06
B190	0,000	ULS-Set B (auto)/7	CS15 - HEA100	-27,23	**-10,09**	15,60	0,00	-3,46	**2,98**
B182	0,000	ULS-Set B (auto)/12	CS15 - HEA100	-28,65	**8,79**	3,16	0,00	-0,96	-2,57
B186	0,000	ULS-Set B (auto)/8	CS15 - HEA100	-9,18	-0,37	**-9,11**	0,00	2,84	0,11
B192	0,000	ULS-Set B (auto)/6	CS15 - HEA100	-43,71	-3,92	39,71	0,00	**-8,13**	1,24
B192	0,300-	ULS-Set B (auto)/6	CS15 - HEA100	-43,77	-3,92	**39,71**	0,00	**3,78**	0,06
B190	0,600	ULS-Set B (auto)/7	CS15 - HEA100	9,81	-10,09	3,21	0,00	0,40	**-3,07**
B196	0,000	ULS-Set B (auto)/12	CS2 - Rectangle (250; 250)	**-0,13**	-0,17	-0,46	0,02	0,04	0,00
B196	2,570-	ULS-Set B (auto)/19	CS2 - Rectangle (250; 250)	**1,37**	-0,16	1,40	-0,03	0,23	0,07
B196	2,935	ULS-Set B (auto)/15	CS2 - Rectangle (250; 250)	0,45	-1,86	**-3,17**	-0,71	-0,07	-0,11
B196	2,304-	ULS-Set B (auto)/19	CS2 - Rectangle (250; 250)	0,91	0,04	**1,41**	0,02	0,10	0,05
B196	2,935	ULS-Set B (auto)/20	CS2 - Rectangle (250; 250)	0,28	**-1,92**	-3,01	**-0,73**	-0,09	-0,10
B332	15,440+	ULS-Set B (auto)/6	CS21 - Rectangle (800; 600)	**-67,57**	0,40	19,43	-4,99	-107,34	-2,87
B332	9,520+	ULS-Set B (auto)/1	CS21 - Rectangle (800; 600)	**184,27**	36,29	104,24	38,16	100,33	5,35
B332	7,140-	ULS-Set B (auto)/12	CS21 - Rectangle (800; 600)	83,04	**-33,47**	-19,65	36,98	10,84	-33,33
B332	9,520+	ULS-Set B (auto)/9	CS21 - Rectangle (800; 600)	179,48	**38,41**	105,42	38,14	99,51	4,77
B341	13,300+	ULS-Set B (auto)/7	CS21 - Rectangle (800; 600)	10,58	3,65	**-314,91**	-10,99	314,27	-2,73
B341	2,070+	ULS-Set B (auto)/19	CS21 - Rectangle (800; 600)	-2,90	-11,07	**177,45**	-7,83	263,97	-9,82
B302	9,282+	ULS-Set B (auto)/19	CS21 - Rectangle (800; 600)	-8,38	4,91	-21,66	**-62,38**	42,02	1,10
B332	8,266+	ULS-Set B (auto)/10	CS21 - Rectangle (800; 600)	64,54	22,24	-3,04	**51,15**	22,30	3,09
B330	8,950-	ULS-Set B (auto)/12	CS21 - Rectangle (800; 600)	-1,43	0,22	-2,63	5,97	**-142,69**	1,28
B300	7,140+	ULS-Set B (auto)/10	CS21 - Rectangle (800; 600)	3,73	7,88	-206,17	12,86	**381,07**	-10,34
B332	7,140-	ULS-Set B (auto)/6	CS21 - Rectangle (800; 600)	81,49	-33,16	-18,70	36,38	13,60	**-33,34**
B332	9,940-	ULS-Set B (auto)/19	CS21 - Rectangle (800; 600)	177,30	38,19	110,83	39,98	144,84	**21,02**
B313	8,800	ULS-Set B (auto)/21	CS19 - Rectangle (800; 500)	**-60,35**	7,37	-164,28	31,91	-46,62	-5,26
B352	2,500-	ULS-Set B (auto)/1	CS19 - Rectangle (800; 500)	**95,08**	-19,13	-30,24	-25,70	-2,17	-0,92

Name	dx [m]	Case	Cross-section	N [kN]	V_y [kN]	V_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]
B353	4,400+	ULS-Set B (auto)/12	CS19 - Rectangle (800; 500)	78,10	**-28,21**	-26,57	-8,30	31,83	8,93
B312	0,000	ULS-Set B (auto)/8	CS19 - Rectangle (800; 500)	14,63	**30,64**	59,41	-0,64	0,85	-24,18
B313	8,800	ULS-Set B (auto)/10	CS19 - Rectangle (800; 500)	-59,30	7,18	**-176,75**	34,39	-49,63	-7,05
B352	0,000	ULS-Set B (auto)/8	CS19 - Rectangle (800; 500)	-53,79	-17,72	**164,08**	-35,80	-39,93	7,50
B352	0,000	ULS-Set B (auto)/10	CS19 - Rectangle (800; 500)	-53,87	-17,70	164,07	**-35,81**	-39,92	7,47
B354	0,613+	ULS-Set B (auto)/7	CS19 - Rectangle (800; 500)	65,11	5,23	-15,36	**67,75**	81,58	0,05
B324	16,585-	ULS-Set B (auto)/10	CS19 - Rectangle (800; 500)	61,16	-1,06	-1,33	12,43	**-85,45**	1,36
B344	0,000	ULS-Set B (auto)/6	CS19 - Rectangle (800; 500)	24,89	6,72	-79,86	6,83	**156,65**	-11,97
B312	0,000	ULS-Set B (auto)/6	CS19 - Rectangle (800; 500)	15,18	30,52	55,68	-0,48	1,80	**-24,42**
B312	2,100	ULS-Set B (auto)/8	CS19 - Rectangle (800; 500)	7,24	19,54	-32,76	10,54	-6,49	**21,88**
B351	2,013+	ULS-Set B (auto)/6	CS11 - Rectangle (155; 200)	**-17,07**	**6,49**	10,59	1,69	-4,24	-0,33
B349	20,787-	ULS-Set B (auto)/6	CS11 - Rectangle (155; 200)	**13,07**	-0,02	2,49	-1,26	0,43	0,05
B351	1,913-	ULS-Set B (auto)/6	CS11 - Rectangle (155; 200)	-14,18	**-7,19**	-7,19	-2,15	-3,38	-0,41
B351	13,715+	ULS-Set B (auto)/12	CS11 - Rectangle (155; 200)	0,86	-0,93	**-20,71**	-1,82	-5,02	-0,19
B351	1,913+	ULS-Set B (auto)/12	CS11 - Rectangle (155; 200)	2,20	-2,56	-18,59	**-4,70**	-4,76	-0,68
B349	13,819-	ULS-Set B (auto)/12	CS11 - Rectangle (155; 200)	-0,25	0,40	7,18	**4,64**	-2,40	-0,07
B351	2,013-	ULS-Set B (auto)/12	CS11 - Rectangle (155; 200)	2,09	2,31	**23,47**	4,45	**-6,01**	-0,51
B350	1,515-	ULS-Set B (auto)/19	CS11 - Rectangle (155; 200)	-1,52	0,07	-0,49	-0,13	**2,33**	0,00

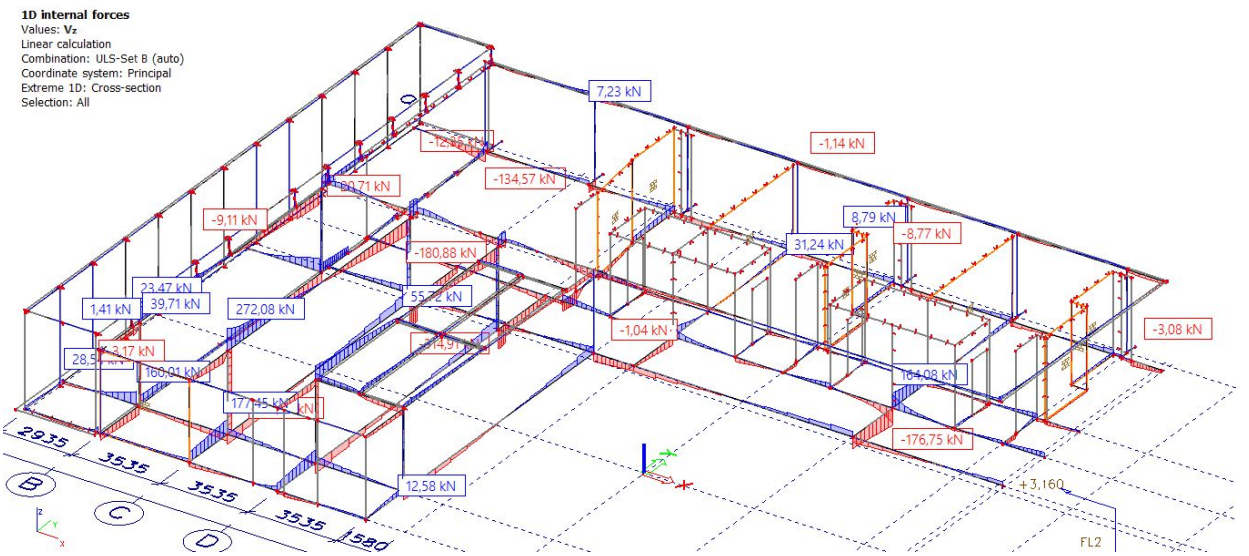
Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Set B (auto)/2	LC1 + LC2 + LC3 + 1.50*LC5
ULS-Set B (auto)/3	LC1 + LC2 + LC3 + 0.90*LC6 + 1.50*LC7
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 1.50*LC5 + 1.05*LC8
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 1.50*LC5
ULS-Set B (auto)/6	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5
ULS-Set B (auto)/7	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC8
ULS-Set B (auto)/8	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC8
ULS-Set B (auto)/9	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC7
ULS-Set B (auto)/10	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC7
ULS-Set B (auto)/11	LC1 + LC2 + LC3 + 1.50*LC6 + 1.05*LC7
ULS-Set B (auto)/12	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4
ULS-Set B (auto)/13	LC1 + LC2 + LC3 + 1.50*LC5 + 1.05*LC7
ULS-Set B (auto)/14	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 1.50*LC6
ULS-Set B (auto)/15	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC6
ULS-Set B (auto)/16	LC1 + LC2 + LC3 + 1.50*LC5 + 1.05*LC8
ULS-Set B (auto)/17	LC1 + LC2 + LC3 + 0.90*LC5 + 1.50*LC7
ULS-Set B (auto)/18	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 1.05*LC7
ULS-Set B (auto)/19	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 1.05*LC8
ULS-Set B (auto)/20	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC5
ULS-Set B (auto)/21	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 0.90*LC5 + 1.50*LC7



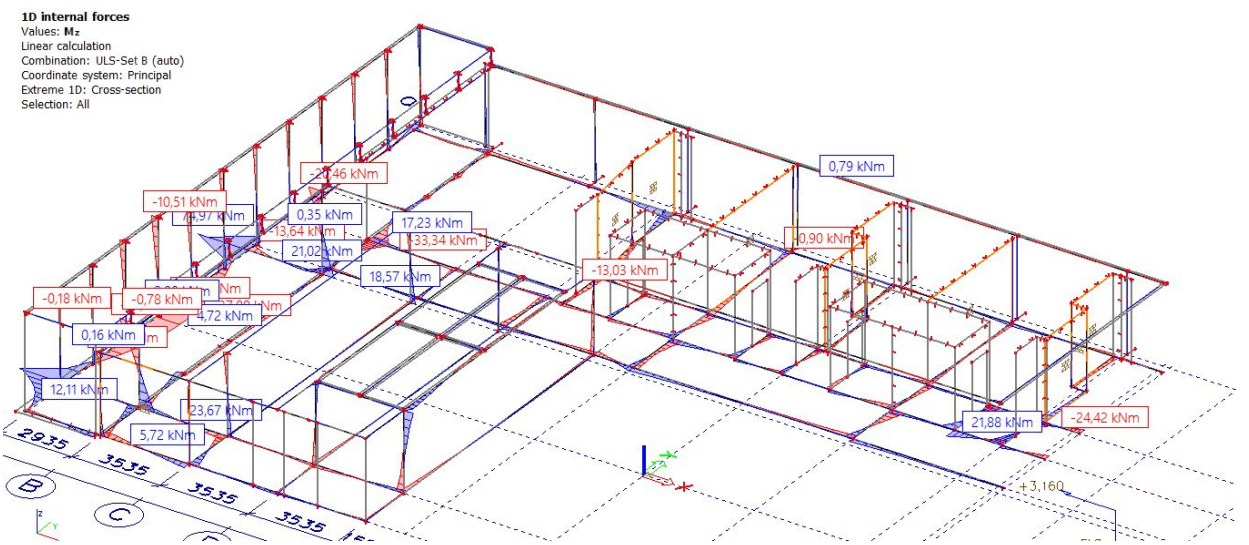
Osne sile Nx (kN)



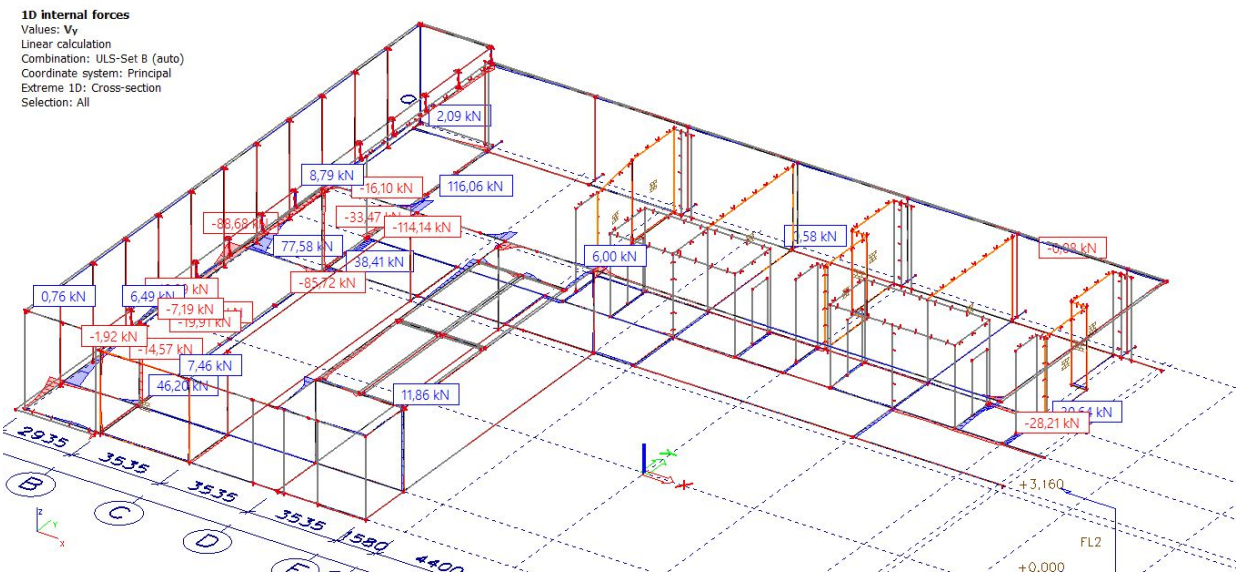
Upogibni momenti My (kNm)



Strižne sile Vz (kN)



Upogibni momenti Mz (kNm)



Strižne sile Vy (kN)

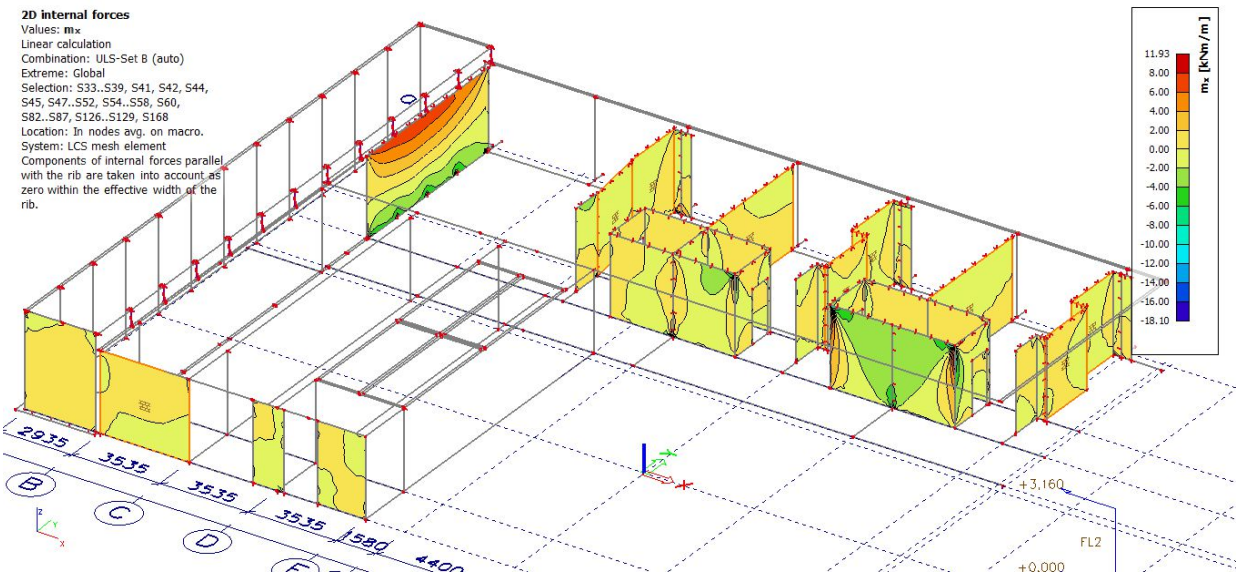
5.2.2 Elementi 2D

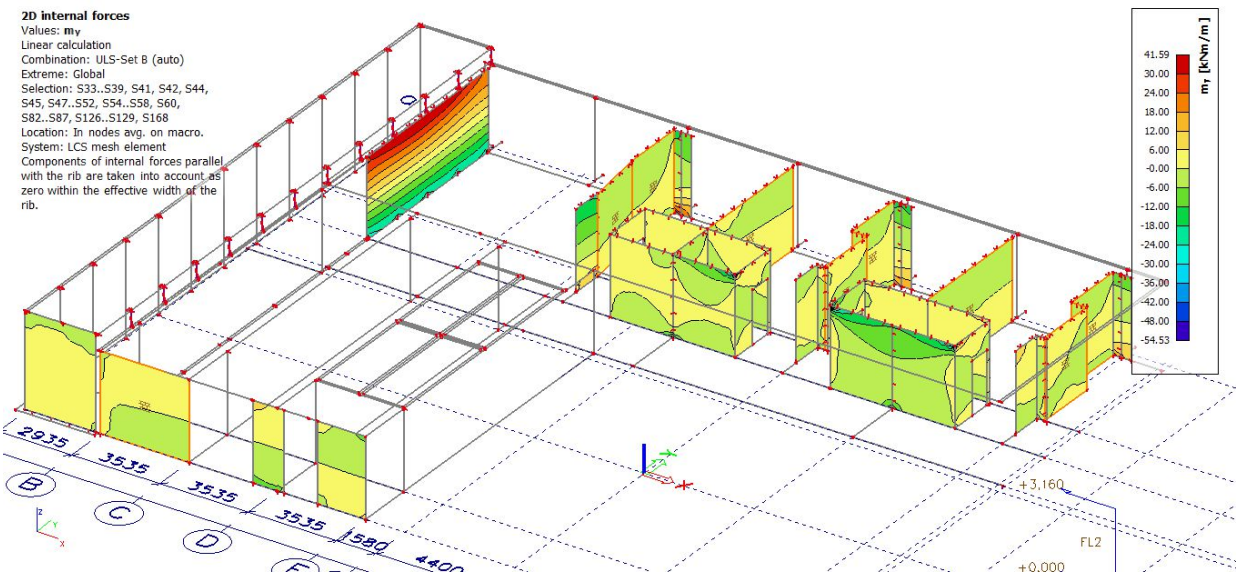
Linear calculation; Combination: ULS-Set B (auto)
Selection: S32; Filter: Material = C25/30
Selection: All; Location: In nodes avg. on macro. System: LCS mesh element

Basic magnitudes

Name	Case	m_x [kNm/m] m_y [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m] v_y [kN/m]	n_x [kN/m] n_y [kN/m]	n_{xy} [kN/m]
S45	ULS-Set B (auto)/1	**11,93** 40,57	-4,97	-67,24 169,13	-271,14 -240,85	189,34
S58	ULS-Set B (auto)/2	-10,65 **-54,53**	-4,07	49,67 367,55	-287,88 -834,70	-135,81
S126	ULS-Set B (auto)/3	7,91 **41,59**	-0,38	-5,85 26,45	-32,19 -60,55	8,37
S57	ULS-Set B (auto)/4	4,21 30,76	**-8,04**	-25,39 204,13	-269,48 -627,20	210,45
S126	ULS-Set B (auto)/1	**-18,10** -33,80	3,04	**-172,61** 14,14	6,95 -291,16	95,41
S58	ULS-Set B (auto)/4	-9,68 -19,81	1,74	**116,47** -81,02	15,35 -454,96	123,36
S54	ULS-Set B (auto)/2	-3,65 -29,88	**7,91**	24,02 **-190,22**	-275,71 -647,76	221,58
S58	ULS-Set B (auto)/4	-10,65 -54,53	-4,07	49,66 **367,55**	-287,86 -834,66	-135,79
S127	ULS-Set B (auto)/5	-5,85 -10,83	-5,95	-126,86 -50,27	**194,72** 345,08	150,59
S86	ULS-Set B (auto)/1	-0,56 10,24	-2,38	21,77 5,44	**-444,15** **-1064,26**	**386,33**
S127	ULS-Set B (auto)/3	-5,77 -10,67	-5,91	-125,41 -49,38	193,94 **346,45**	149,86
S45	ULS-Set B (auto)/3	1,15 17,09	1,74	-4,78 -35,11	-268,62 -422,26	**-229,78**

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC8
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC7
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4


2D internal forces
Values: mx
Linear calculation
Combination: ULS-Set B (auto)
Extreme: Global
Selection: S33..S39, S41, S42, S44, S45, S47..S52, S54..S58, S60, S82..S87, S126..S129, S168
Location: In nodes avg. on macro.
System: LCS mesh element
Components of internal forces parallel with the rib are taken into account as zero within the effective width of the rib.
mx [kNm/m]
11.93
8.00
6.00
4.00
2.00
0.00
-2.00
-4.00
-6.00
-8.00
-10.00
-12.00
-14.00
-16.00
-18.10
2935
3535
3535
3535
1580
4400
B
C
D
+3.160
FL2
+0.000


2D internal forces
Values: my
Linear calculation
Combination: ULS-Set B (auto)
Extreme: Global
Selection: S33..S39, S41, S42, S44, S45, S47..S52, S54..S58, S60, S82..S87, S126..S129, S168
Location: In nodes avg. on macro.
System: LCS mesh element
Components of internal forces parallel with the rib are taken into account as zero within the effective width of the rib.
my [kNm/m]
41.59
30.00
24.00
18.00
12.00
6.00
-0.00
-6.00
-12.00
-18.00
-24.00
-30.00
-36.00
-42.00
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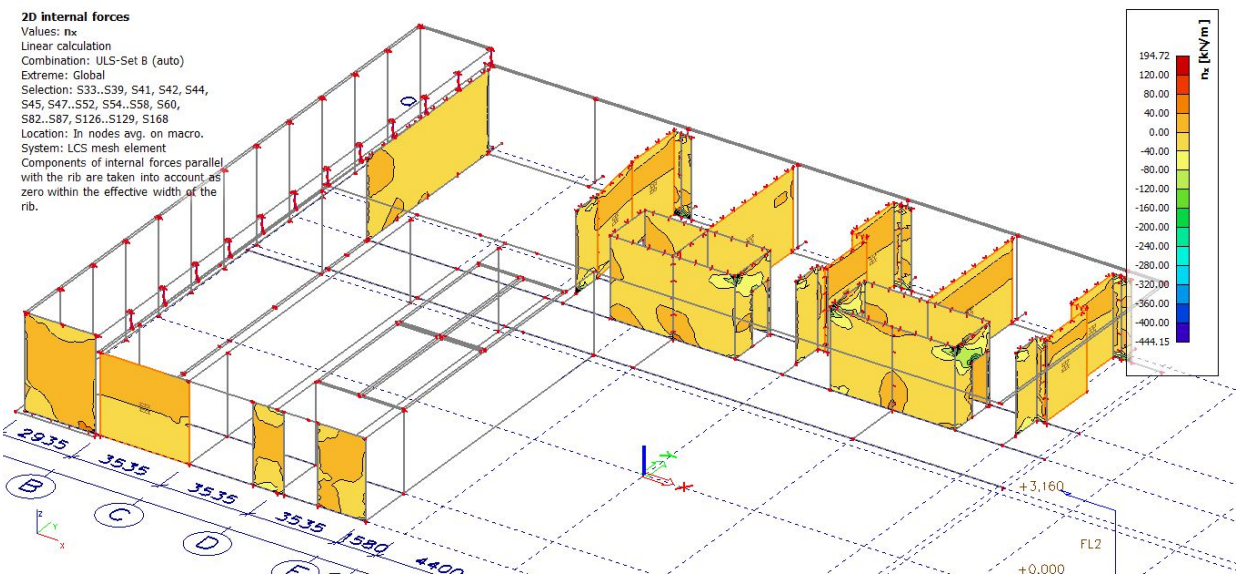
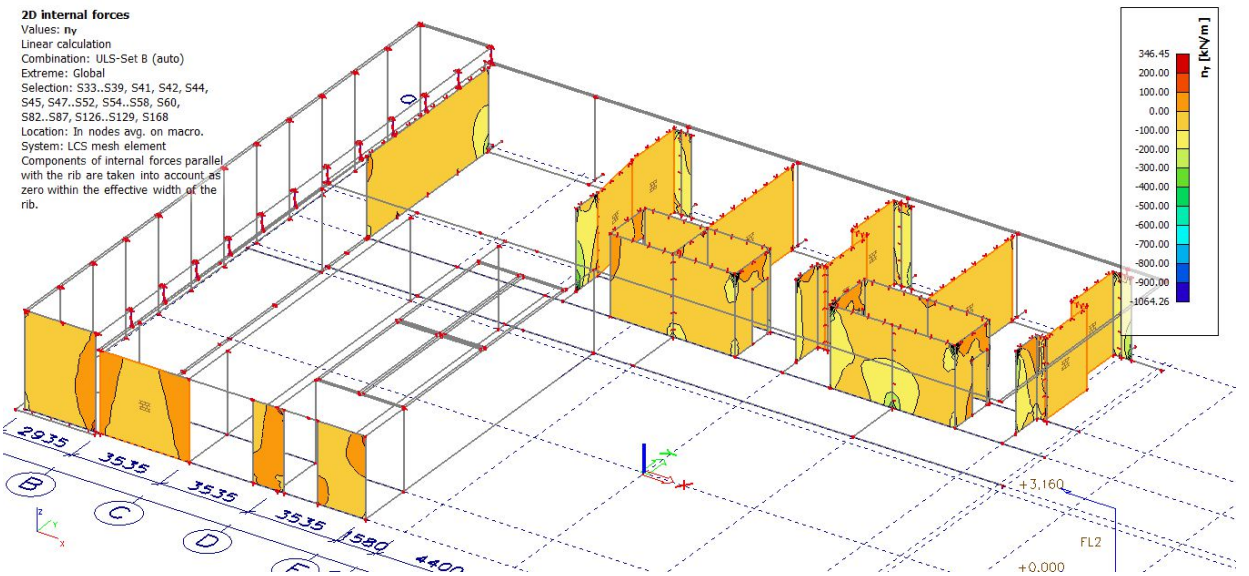
FL2
+0.000


2D internal forces
Values: nx
Linear calculation
Combination: ULS-Set B (auto)
Extreme: Global
Selection: S33..S39, S41, S42, S44, S45, S47..S52, S54..S58, S60, S82..S87, S126..S129, S168
Location: In nodes avg. on macro.
System: LCS mesh element
Components of internal forces parallel with the rib are taken into account as zero within the effective width of the rib.
nx [kN/m]
194.72
120.00
80.00
40.00
0.00
-40.00
-80.00
-120.00
-160.00
-200.00
-240.00
-280.00
-320.00
-360.00
-400.00
-444.15
2935
3535
3535
3535
1580
4400
B
C
D
+3.160
FL2
+0.000



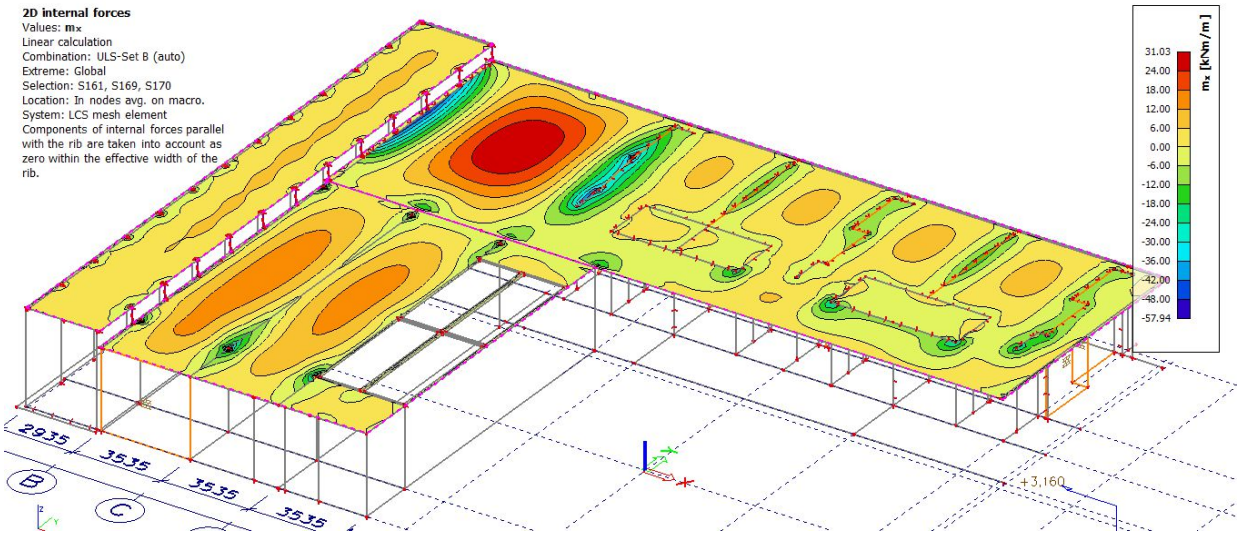
Selection: S161, S169, S170
Location: In nodes avg. on macro. System: LCS mesh element

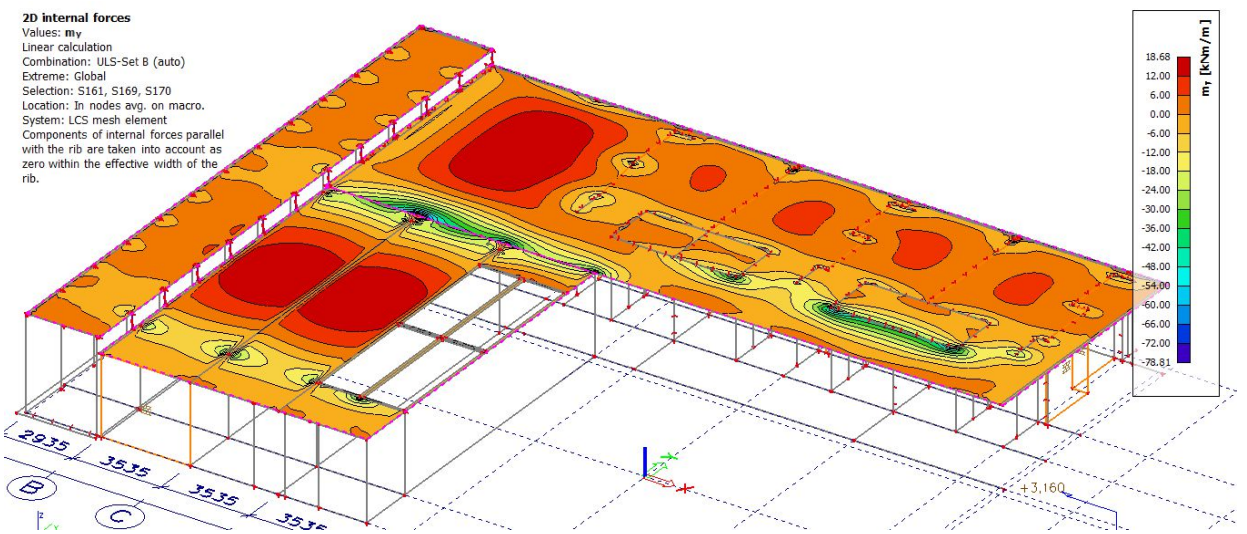
Basic magnitudes

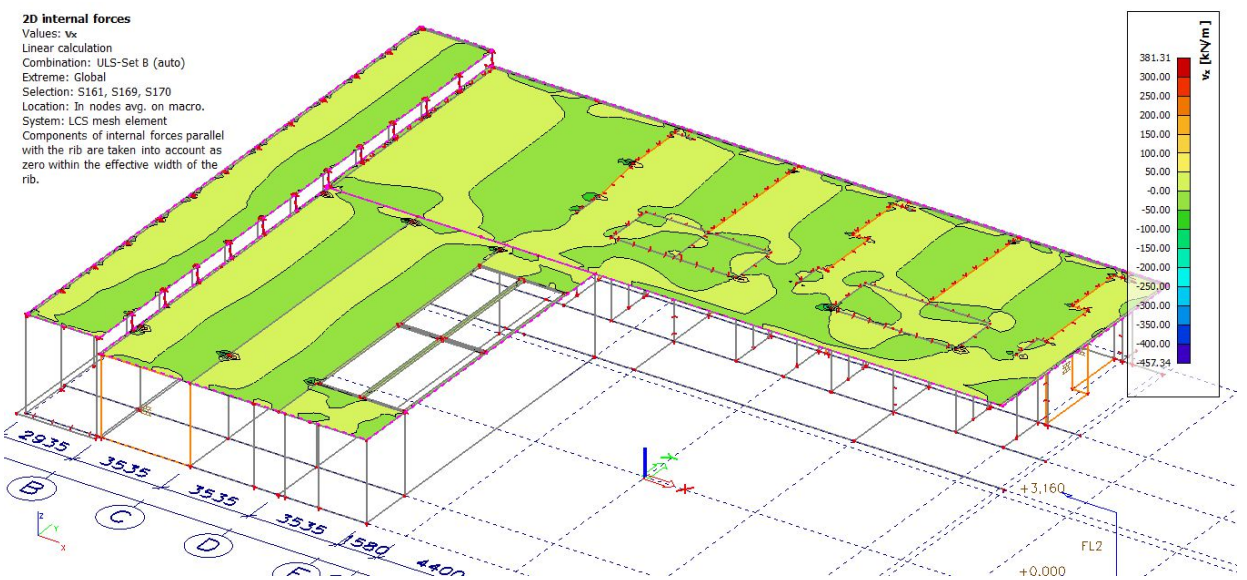
Name	Case	m_x [kNm/m] m_y [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m] v_y [kN/m]	n_x [kN/m] n_y [kN/m]	n_{xy} [kN/m]
S161	ULS-Set B (auto)/1	**31,03** 0,00	0,00	317,34 0,00	-49,88 0,00	0,00
S169	ULS-Set B (auto)/2	0,00 **-78,81**	0,00	0,00 63,15	0,00 139,89	0,00
S169	ULS-Set B (auto)/3	29,82 **18,68**	0,15	-0,98 0,19	-15,43 8,58	4,48
S169	ULS-Set B (auto)/4	-20,34 -37,99	**-12,76**	-206,13 -197,84	-63,41 -40,53	-20,69
S169	ULS-Set B (auto)/3	2,71 1,58	**12,69**	7,13 -2,24	50,76 8,04	-32,30
S161	ULS-Set B (auto)/3	-19,61 0,00	0,00	**-457,34** 0,00	308,67 0,00	0,00
S161	ULS-Set B (auto)/1	17,44 0,00	0,00	**381,31** 0,00	35,25 0,00	0,00
S169	ULS-Set B (auto)/3	**-57,94** -30,37	-9,71	-213,40 **-204,42**	-0,31 -15,33	2,33
S169	ULS-Set B (auto)/5	-24,25 -45,26	-10,06	105,71 **238,32**	120,99 241,06	50,29
S161	ULS-Set B (auto)/1	-19,69 0,00	0,00	207,88 0,00	**-634,02** 0,00	0,00
S161	ULS-Set B (auto)/6	-14,72 0,00	0,00	-375,08 0,00	**384,84** 0,00	0,00
S161	ULS-Set B (auto)/7	-4,62 -17,00	-1,73	25,36 -6,66	-69,84 **-520,26**	48,43
S161	ULS-Set B (auto)/3	-1,50 12,76	0,16	-20,55 3,09	31,50 **337,37**	-35,93
S161	ULS-Set B (auto)/7	0,38 0,47	3,09	15,23 19,54	9,35 -57,13	**-187,56**
S161	ULS-Set B (auto)/1	-14,99 -27,16	4,64	-130,47 -54,83	8,05 -265,63	**195,85**

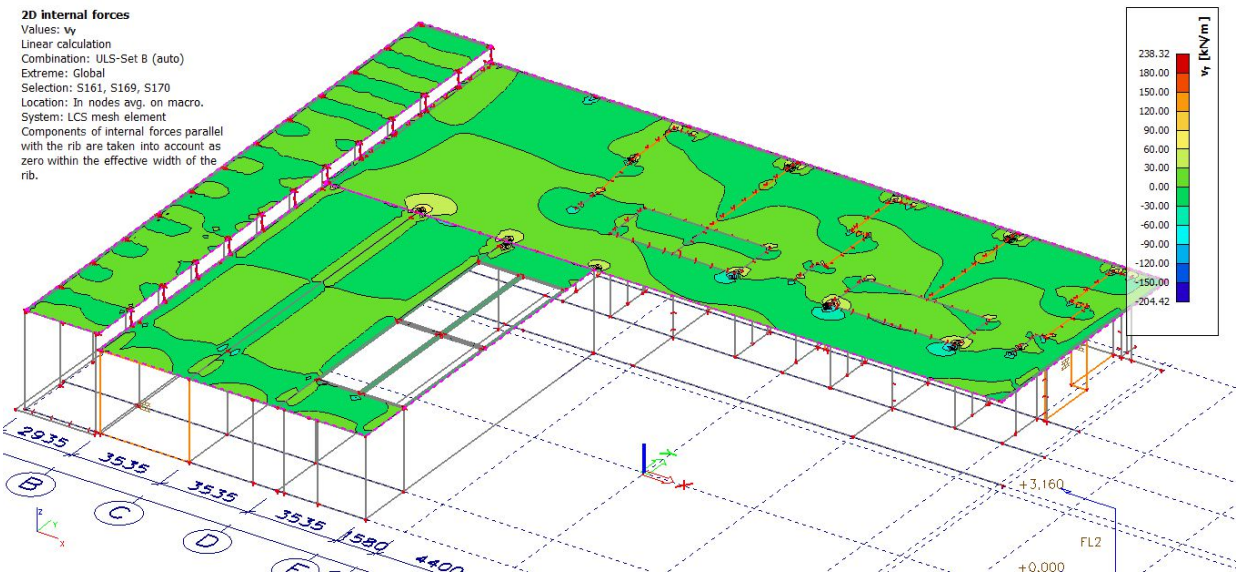
Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 1.05*LC8
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC8
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC8
ULS-Set B (auto)/6	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.75*LC4 + 1.50*LC5

Name	Combination key
ULS-Set B (auto)/7	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4









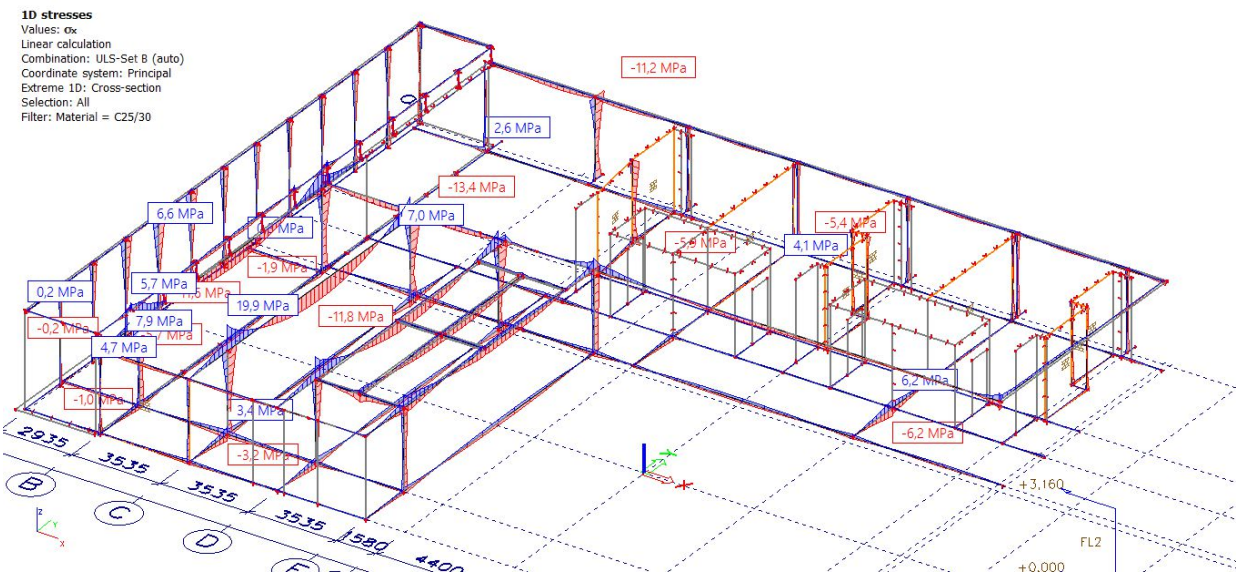
5.3.NAPETOSTI V AB ELEMENTIH - ULS

5.3.1 Elementi 1D

Linear calculation
Combination: ULS-Set B (auto); Coordinate system: Principal
Selection: All; Filter: Material = C25/30

Name	dx [m]	Fibre	Case	Cross-section	Material	σ_x [MPa]	T_{xy} [MPa]	T_{xz} [MPa]	T_{tor} [MPa]
B1	0,000	7	ULS-Set B (auto)/1	CS1 - Rectangle (320; 200)	C25/30	**-5,4**	0,0	0,0	0,0
B1	0,000	3	ULS-Set B (auto)/1	CS1 - Rectangle (320; 200)	C25/30	**4,1**	0,0	0,0	0,0
B274	0,000	1	ULS-Set B (auto)/2	CS17 - Rectangle (200; 200)	C25/30	**-5,9**	0,0	0,0	0,0
B278	3,160	1	ULS-Set B (auto)/2	CS17 - Rectangle (200; 200)	C25/30	**4,7**	0,0	0,0	0,0
B49	3,160	5	ULS-Set B (auto)/1	CS13 - Rectangle (200; 200)	C25/30	**-11,2**	0,0	0,0	0,0
B59	3,760	3	ULS-Set B (auto)/3	CS13 - Rectangle (200; 200)	C25/30	**6,6**	0,0	0,0	0,0
B63	3,160	7	ULS-Set B (auto)/1	CS3 - Rectangle (800; 200)	C25/30	**-11,6**	0,0	0,0	0,0
B63	3,160	3	ULS-Set B (auto)/1	CS3 - Rectangle (800; 200)	C25/30	**7,9**	0,0	0,0	0,0
B276	3,160	5	ULS-Set B (auto)/2	CS4 - Rectangle (600; 200)	C25/30	**-13,4**	0,0	0,0	0,0
B276	3,160	1	ULS-Set B (auto)/2	CS4 - Rectangle (600; 200)	C25/30	**7,0**	0,0	0,0	0,0
B250	0,000	7	ULS-Set B (auto)/3	CS8 - Rectangle (620; 500)	C25/30	**-1,9**	0,0	0,0	0,0
B128	0,000	7	ULS-Set B (auto)/2	CS8 - Rectangle (620; 500)	C25/30	**2,6**	0,0	0,0	0,0
B129	21,420-	1	ULS-Set B (auto)/3	CS5 - Rectangle (500; 1150)	C25/30	**-1,0**	0,0	0,0	0,0
B129	10,420-	7	ULS-Set B (auto)/3	CS5 - Rectangle (500; 1150)	C25/30	**0,8**	0,0	0,0	0,0
B279	7,800-	3	ULS-Set B (auto)/4	CS10 - Rectangle (500; 200)	C25/30	**-11,8**	0,0	0,0	0,0
B279	2,300+	3	ULS-Set B (auto)/3	CS10 - Rectangle (500; 200)	C25/30	**19,9**	0,0	0,0	0,0
B196	0,100+	5	ULS-Set B (auto)/3	CS2 - Rectangle (250; 250)	C25/30	**-0,2**	0,0	0,0	0,0
B196	0,100+	1	ULS-Set B (auto)/5	CS2 - Rectangle (250; 250)	C25/30	**0,2**	0,0	0,0	0,0
B300	7,140+	5	ULS-Set B (auto)/1	CS21 - Rectangle (800; 600)	C25/30	**-6,2**	0,0	0,0	0,0
B300	7,140+	1	ULS-Set B (auto)/1	CS21 - Rectangle (800; 600)	C25/30	**6,2**	0,0	0,0	0,0
B344	0,000	5	ULS-Set B (auto)/1	CS19 - Rectangle (800; 500)	C25/30	**-3,2**	0,0	0,0	0,0
B344	0,000	1	ULS-Set B (auto)/1	CS19 - Rectangle (800; 500)	C25/30	**3,4**	0,0	0,0	0,0
B351	1,963+	7	ULS-Set B (auto)/3	CS11 - Rectangle (155; 200)	C25/30	**-5,7**	0,0	0,0	0,0
B351	1,963+	3	ULS-Set B (auto)/3	CS11 - Rectangle (155; 200)	C25/30	**5,7**	0,0	0,0	0,0

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 1.05*LC8
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 1.05*LC7



5.3.2 Elementi 2D

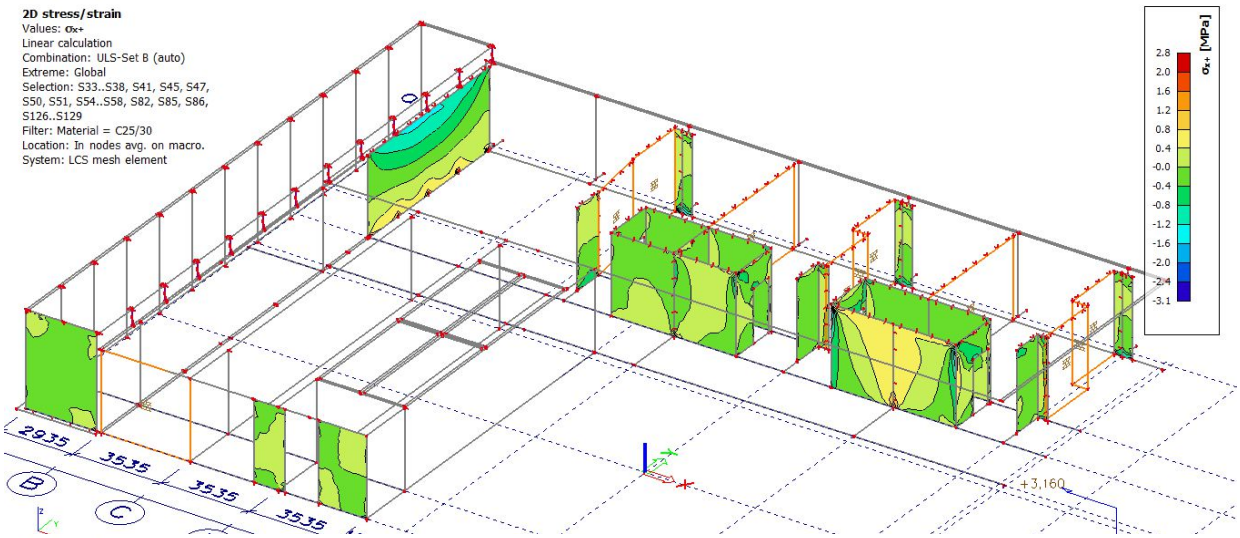
Linear calculation
Combination: ULS-Set B (auto); Extreme: Global; Selection: All
Selection: S33..S38, S41, S45, S47, S50, S51, S54..S58, S82, S85, S86, S126..S129
Filter: Material = C25/30; Location: In nodes avg. on macro. System: LCS mesh element

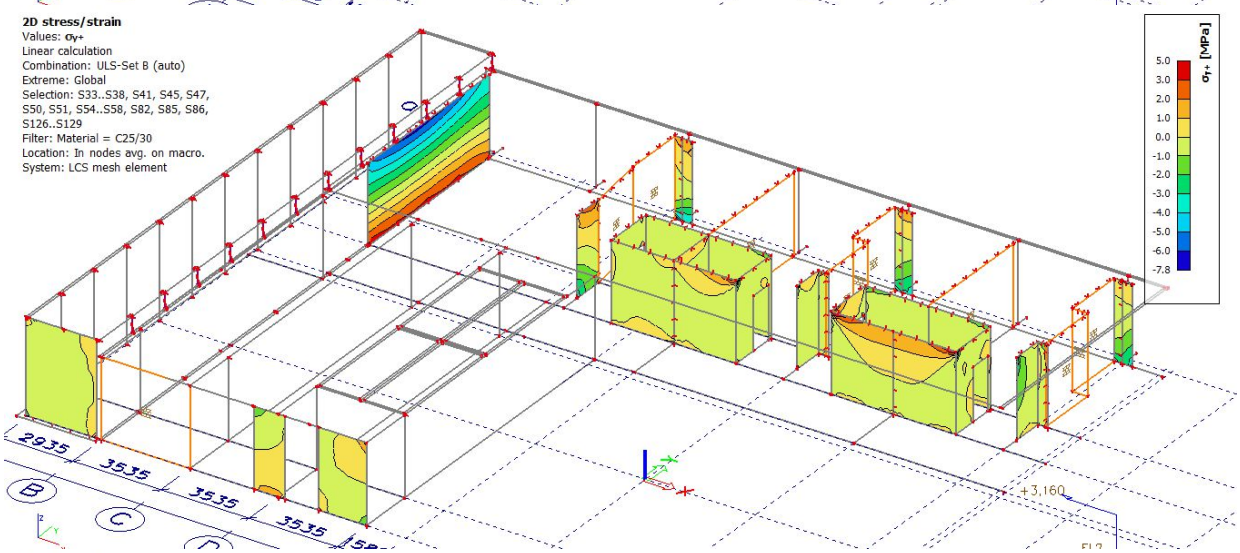
Basic stress

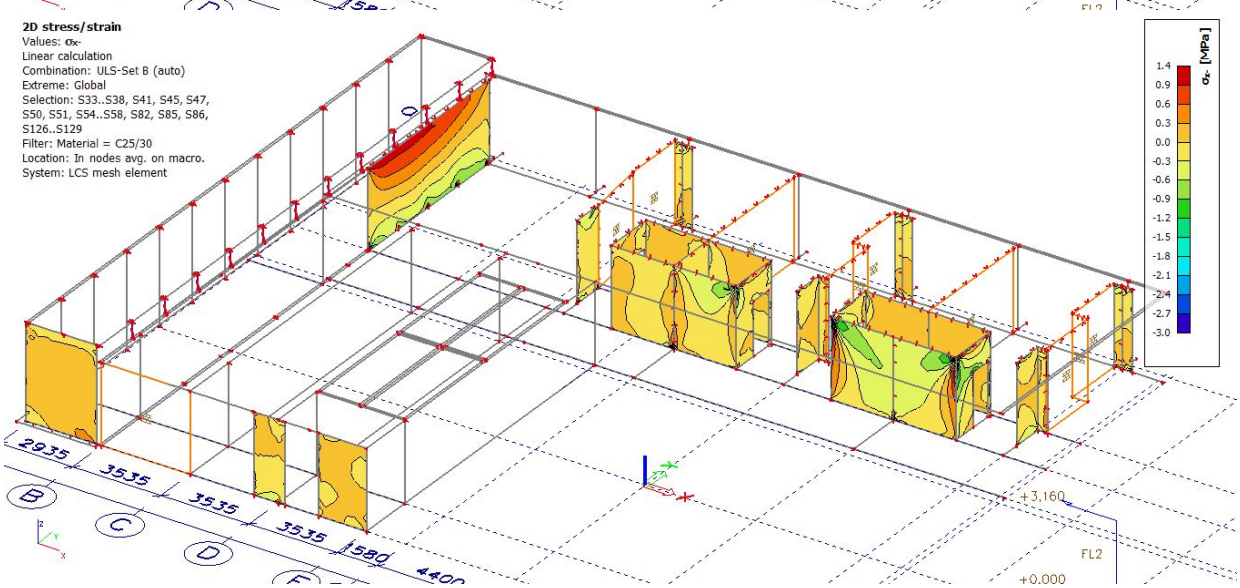
Name	Case	σ_{x+} [MPa] σ_{x-} [MPa]	σ_{y+} [MPa] σ_{y-} [MPa]	τ_{xy+} [MPa] τ_{xy-} [MPa]	τ_{xz} [MPa]	τ_{yz} [MPa]
S45	ULS-Set B (auto)/1	**-3,1** 0,4	-7,3 4,9	1,7 0,2	0,5	-1,3
S58	ULS-Set B (auto)/2	0,1 **-3,0**	4,0 -12,3	-0,1 -1,3	-0,4	-2,8
S58	ULS-Set B (auto)/3	-1,8 **1,4**	-1,5 -1,3	0,0 0,2	0,5	-0,3
S57	ULS-Set B (auto)/4	-2,0 -0,7	**-7,8** 1,5	2,3 -0,2	0,2	-1,5
S58	ULS-Set B (auto)/5	1,3 -1,6	**5,0** -5,2	-0,5 0,6	-0,3	-0,5
S58	ULS-Set B (auto)/5	0,2 -3,0	4,0 **-12,4**	-0,1 -1,3	-0,4	-2,8
S126	ULS-Set B (auto)/2	-1,3 1,0	-6,5 **5,9**	0,1 0,0	0,0	-0,2
S45	ULS-Set B (auto)/2	-1,5 -1,2	-4,7 0,5	**-1,4** -0,9	0,0	0,3
S86	ULS-Set B (auto)/6	-2,1 -2,3	-7,0 -3,7	**2,3** 1,5	-0,2	0,0
S41	ULS-Set B (auto)/5	-1,0 -1,4	-0,2 -5,9	-0,6 **-1,5**	-0,1	0,0
S54	ULS-Set B (auto)/6	-0,8 -1,9	1,2 -7,7	-0,1 **2,3**	-0,2	1,4
S58	ULS-Set B (auto)/4	1,5 -1,4	0,7 -5,2	0,4 0,9	**-0,9**	0,6
S126	ULS-Set B (auto)/1	**2,8** -2,7	3,6 -6,5	0,0 0,9	**1,3**	-0,1
S58	ULS-Set B (auto)/4	0,2 -3,0	4,0 -12,4	-0,1 -1,3	-0,4	**-2,8**
S54	ULS-Set B (auto)/5	-0,8 -1,9	1,2 -7,7	-0,1 2,3	-0,2	**1,4**

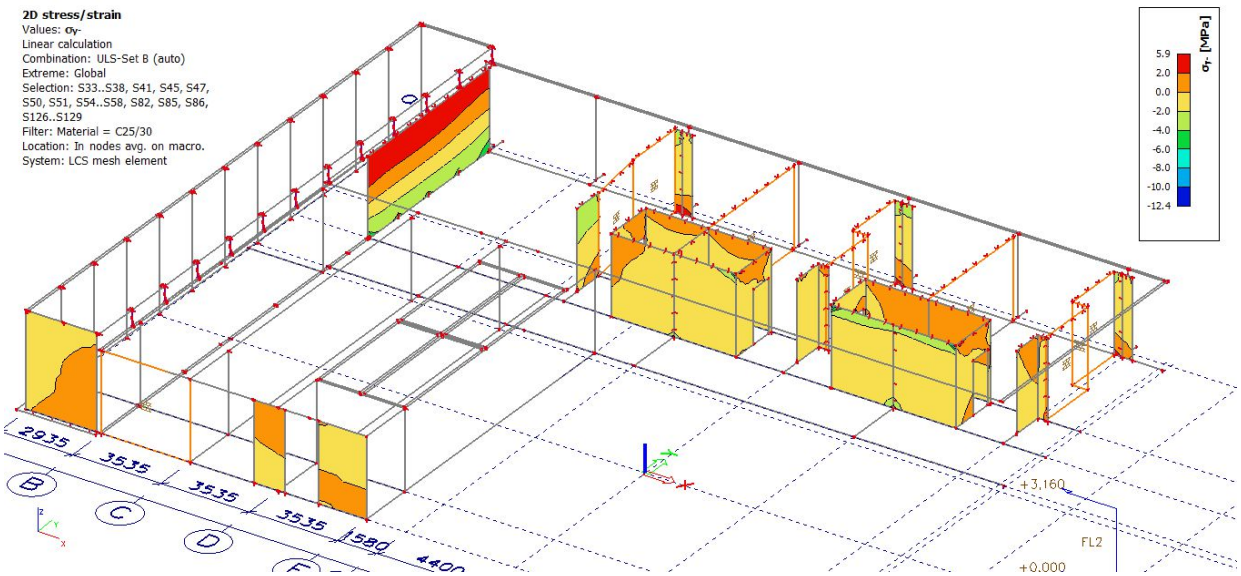
Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC8

Name	Combination key
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC7
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC8
ULS-Set B (auto)/6	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC7







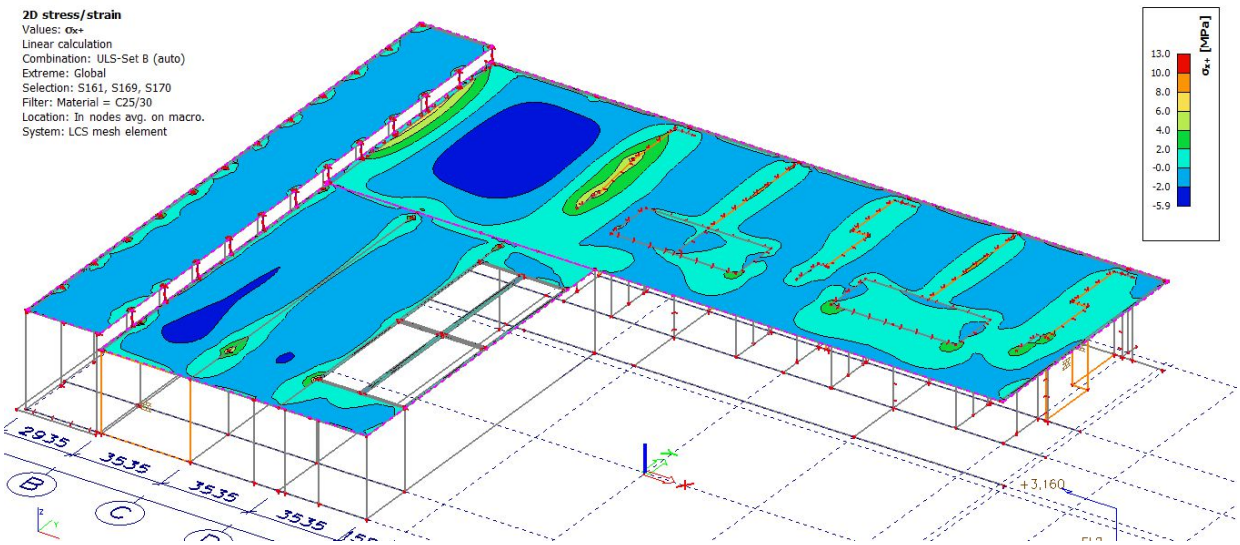


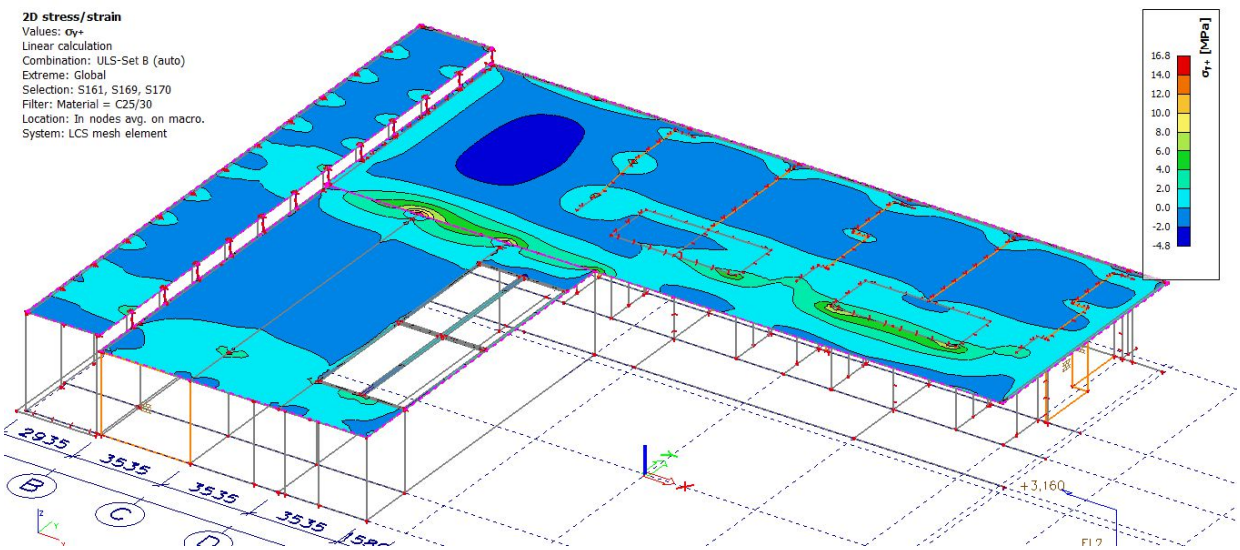
Selection: S161, S169, S170
Filter: Material = C25/30
Location: In nodes avg. on macro. System: LCS mesh element

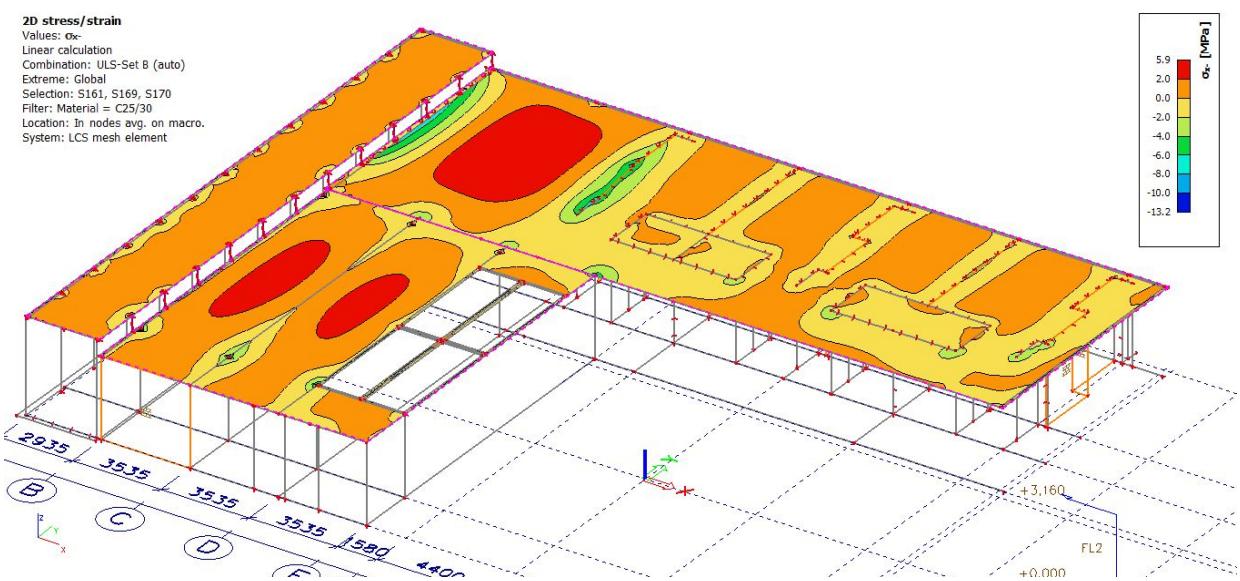
Basic stress

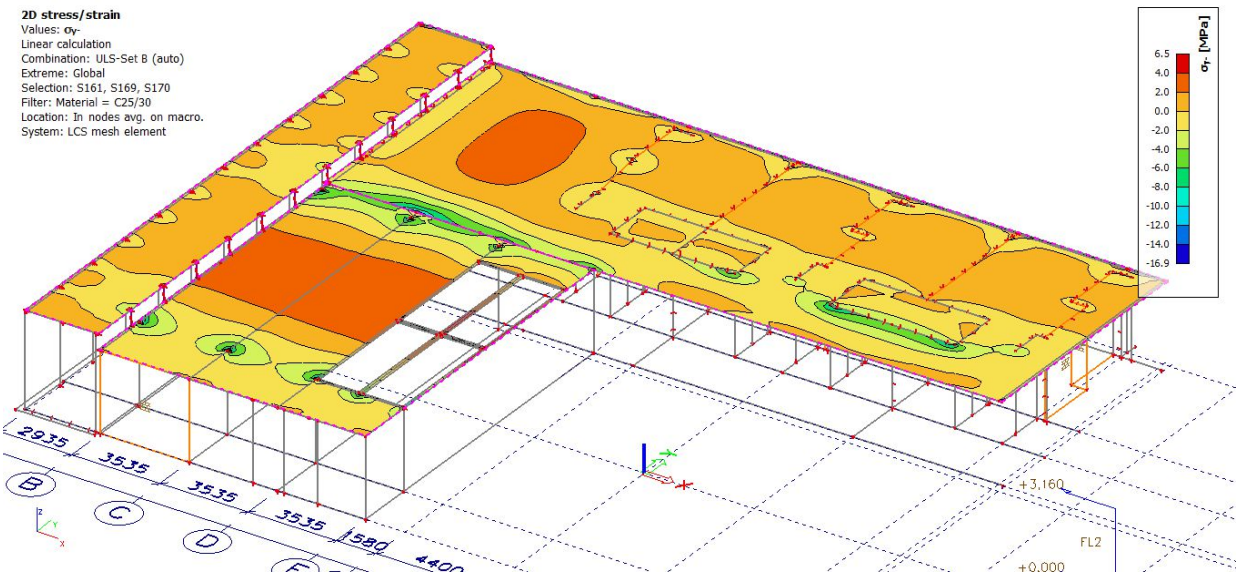
Name	Case	σ_{x+} [MPa] σ_{x-} [MPa]	σ_{y+} [MPa] σ_{y-} [MPa]	τ_{xy+} [MPa] τ_{xy-} [MPa]	τ_{xz} [MPa]	τ_{yz} [MPa]
S170	ULS-Set B (auto)/1	**-5,9** **5,9**	1,3 -1,3	-0,1 0,1	-0,7	0,0
S170	ULS-Set B (auto)/1	**13,0** **-13,2**	2,3 -2,2	-3,5 3,5	**3,9**	-0,8
S161	ULS-Set B (auto)/1	-1,3 -1,5	**-4,8** -9,5	-0,6 0,1	0,0	-0,8
S169	ULS-Set B (auto)/2	1,3 -4,9	**16,8** -12,1	-0,1 -0,2	0,0	-1,7
S161	ULS-Set B (auto)/3	6,3 -8,3	2,4 **-16,9**	0,2 5,1	1,9	-2,9
S161	ULS-Set B (auto)/1	0,3 0,3	3,4 **6,5**	0,1 0,1	0,0	0,0
S170	ULS-Set B (auto)/1	5,9 -5,6	7,0 -7,0	**-6,1** 6,3	0,0	-1,6
S170	ULS-Set B (auto)/1	6,9 -6,7	5,3 -5,2	**5,6** -5,8	0,0	1,3
S161	ULS-Set B (auto)/4	7,2 -9,7	2,1 -16,9	0,1 **-5,9**	-2,1	-3,0
S169	ULS-Set B (auto)/5	-2,3 -7,5	-1,2 -9,9	1,8 **8,1**	1,5	-1,9
S161	ULS-Set B (auto)/4	-2,4 2,8	2,1 -3,9	-0,6 -0,5	**-2,9**	-0,6
S161	ULS-Set B (auto)/2	3,3 -3,9	0,8 -16,3	-1,0 2,1	-0,5	**-3,7**
S161	ULS-Set B (auto)/1	2,1 -1,6	0,9 -14,7	1,7 -1,1	-1,1	**3,1**

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 1.05*LC8
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 1.05*LC7
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6


2D stress/strain
Values: σx+
Linear calculation
Combination: ULS-Set B (auto)
Extreme: Global
Selection: S161, S169, S170
Filter: Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh element
σx+ [MPa]
13.0
10.0
8.0
6.0
4.0
2.0
-0.0
-2.0
-5.9
2935
3535
3535
3535
B
C
+3,160


2D stress/strain
Values: σy+
Linear calculation
Combination: ULS-Set B (auto)
Extreme: Global
Selection: S161, S169, S170
Filter: Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh element
σy+ [MPa]
16.8
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
-2.0
-4.8
2935
3535
3535
3535
B
C
+3,160


2D stress/strain
Values: σx-
Linear calculation
Combination: ULS-Set B (auto)
Extreme: Global
Selection: S161, S169, S170
Filter: Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh element
σx- [MPa]
5.9
2.0
0.0
-2.0
-4.0
-6.0
-8.0
-10.0
-13.2
2935
3535
3535
3535
1580
4400
B
C
D
+3,160
FL2
+0.000



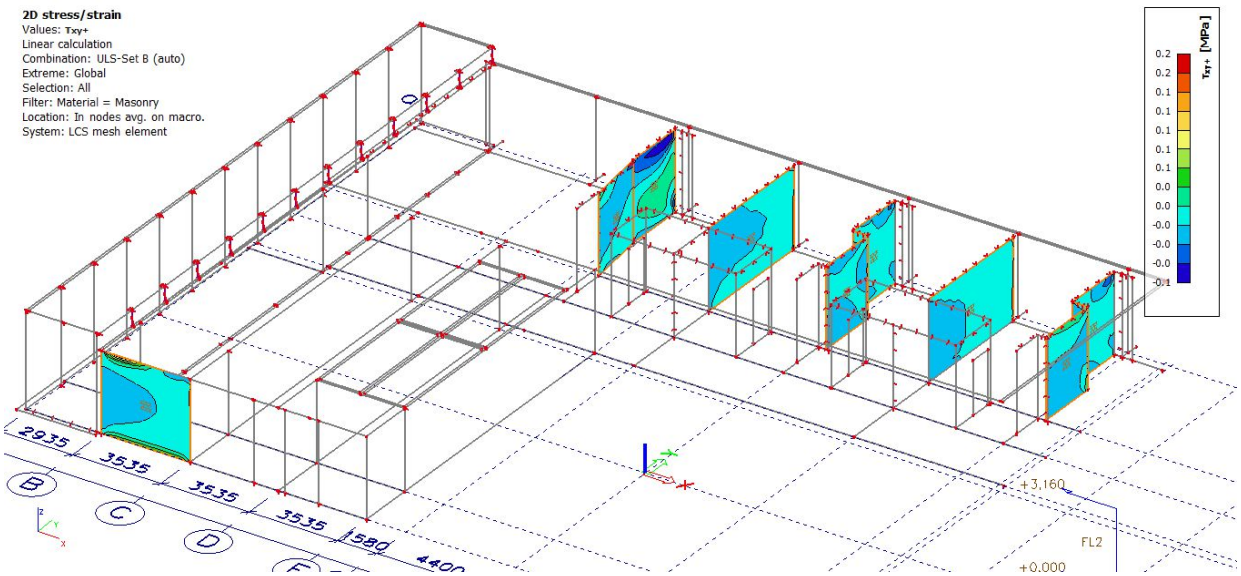
5.4 NAPETOSTI V ZIDANIH ZIDOVIH - ULS

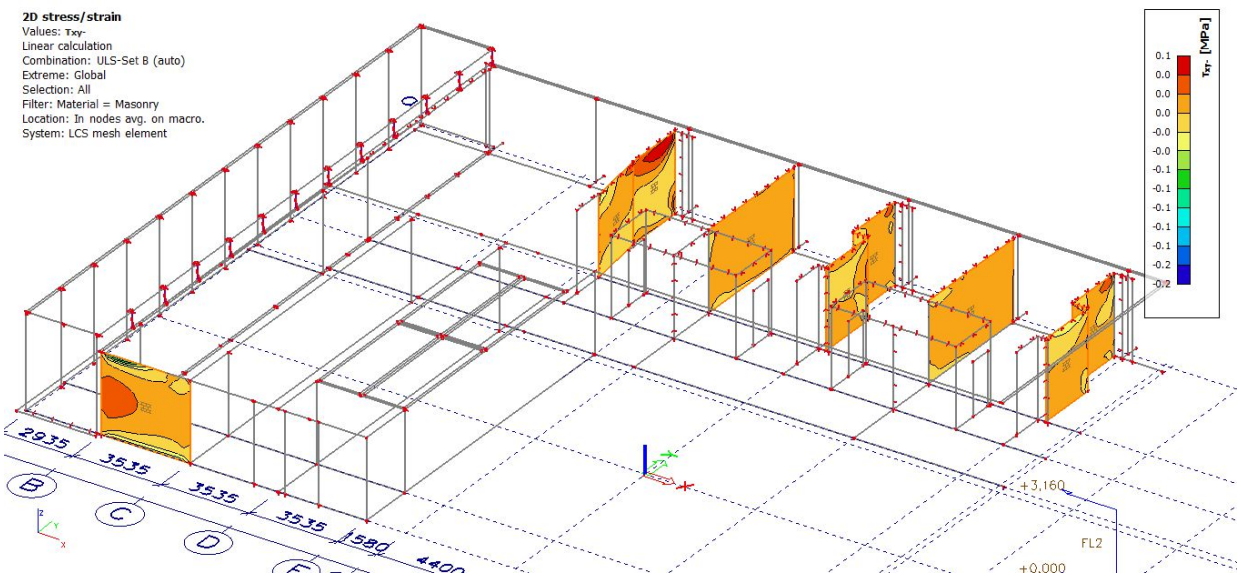
Linear calculation
Selection: All; Filter: Material = Masonry
Location: In nodes avg. on macro. System: LCS mesh element

Basic stress

Name	Case	σ_{x+} [MPa] σ_{x-} [MPa]	σ_{y+} [MPa] σ_{y-} [MPa]	τ_{xy+} [MPa] τ_{xy-} [MPa]	τ_{xz} [MPa]	τ_{yz} [MPa]
S52	ULS-Set B (auto)/1	**-0,3** **0,3**	-0,3 0,1	0,0 0,0	0,0	0,0
S52	ULS-Set B (auto)/1	**0,3** -0,3	-0,1 -0,1	0,0 0,0	0,1	0,0
S42	ULS-Set B (auto)/1	-0,1 **-0,3**	0,0 -0,6	0,1 -0,1	0,0	0,0
S39	ULS-Set B (auto)/2	-0,2 -0,2	**-0,7** -0,6	0,0 0,0	0,0	0,0
S42	ULS-Set B (auto)/1	0,0 -0,1	**0,3** -0,4	0,0 0,0	0,0	0,0
S42	ULS-Set B (auto)/3	0,1 -0,2	0,1 **-0,7**	0,0 0,0	0,0	0,0
S168	ULS-Set B (auto)/2	0,0 0,0	-0,1 **0,3**	0,0 0,0	0,0	0,0
S44	ULS-Set B (auto)/1	0,0 -0,1	0,0 -0,3	**-0,1** 0,1	0,0	0,0
S52	ULS-Set B (auto)/4	-0,1 0,0	-0,3 0,0	**0,2** **-0,2**	0,1	0,0
S44	ULS-Set B (auto)/3	0,0 -0,1	0,0 -0,3	-0,1 **0,1**	0,0	0,0
S44	ULS-Set B (auto)/3	-0,2 0,2	-0,1 -0,1	0,0 0,0	**-0,1**	0,0
S52	ULS-Set B (auto)/1	-0,2 0,2	-0,4 0,2	0,1 -0,1	**0,1**	0,1
S44	ULS-Set B (auto)/5	0,1 -0,1	0,2 -0,2	0,0 0,0	0,0	**-0,1**
S83	ULS-Set B (auto)/2	-0,1 -0,2	0,1 -0,6	0,0 0,0	0,0	**0,1**

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC8
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 1.05*LC8
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC7
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6





6. POTRESNE OBREMENITVE

6.1.DEFORMACIJE IN POMIKI

6.1.1 Elementi 1D

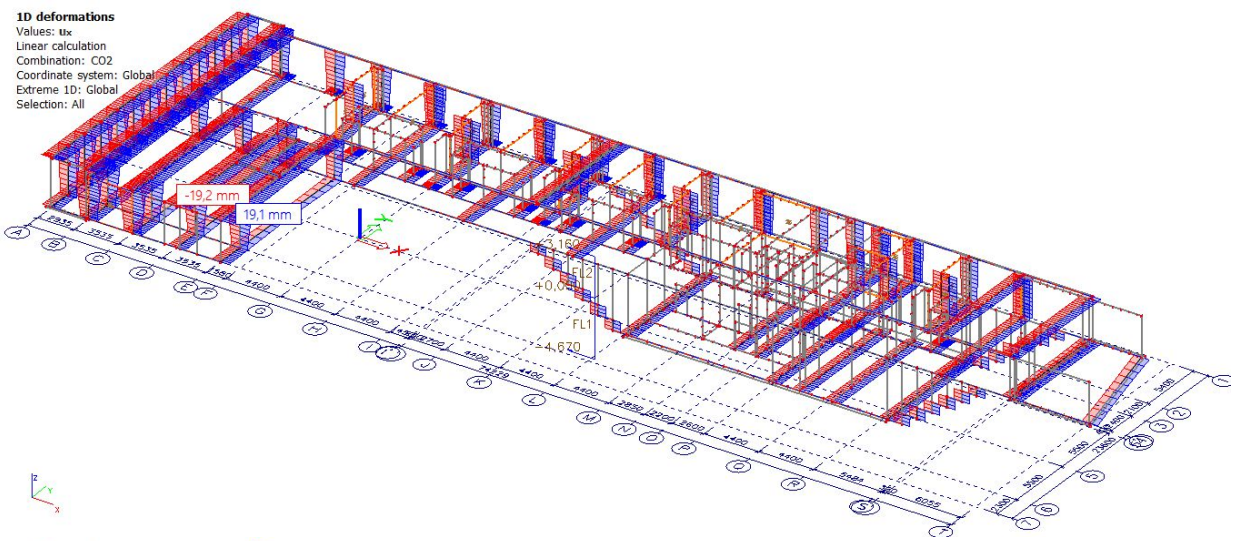
Linear calculation
Combination: CO2; Coordinate system: Global
Extreme 1D: Global; Selection: All

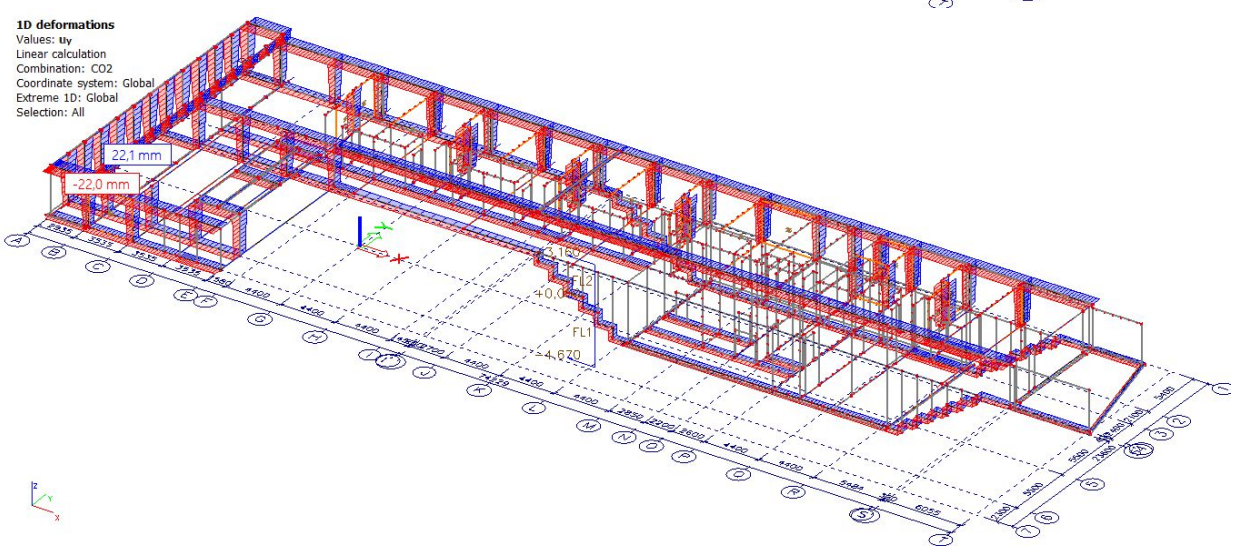
Deformations

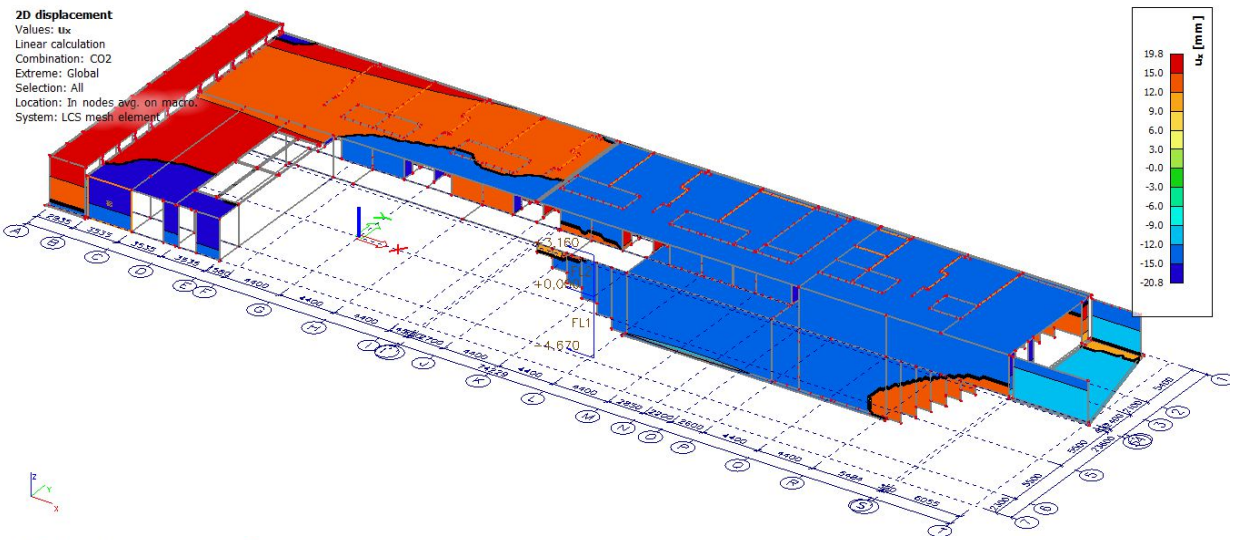
Name	dx [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
B153	10,229-	CO2/1	**-19,2**	-14,7	-0,2	0,1	-1,4	-0,1	24,2
B153	10,229-	CO2/2	**19,1**	14,5	-6,3	0,0	1,5	0,0	24,8
B351	0,239-	CO2/3	13,8	**-22,0**	-3,2	0,8	0,8	-0,3	26,2
B351	0,239-	CO2/4	-12,3	**22,1**	-1,0	-0,8	-0,4	0,4	25,3
B285	0,100-	CO2/1	-12,9	-19,2	**-11,8**	2,4	0,0	-0,3	26,0
B333	0,000	CO2/5	11,1	-14,6	**3,7**	1,0	0,0	-0,1	18,8
B194	0,100-	CO2/6	13,9	20,4	-7,5	**-7,7**	2,6	0,1	25,8
B194	0,100-	CO2/7	-13,5	-20,3	2,9	**7,7**	-2,0	-0,1	24,6
B63	1,580-	CO2/8	-15,5	-10,6	-2,4	0,9	**-3,0**	-0,3	18,9
B192	0,200-	CO2/8	-16,9	-12,3	-2,1	1,3	**4,1**	0,0	21,0

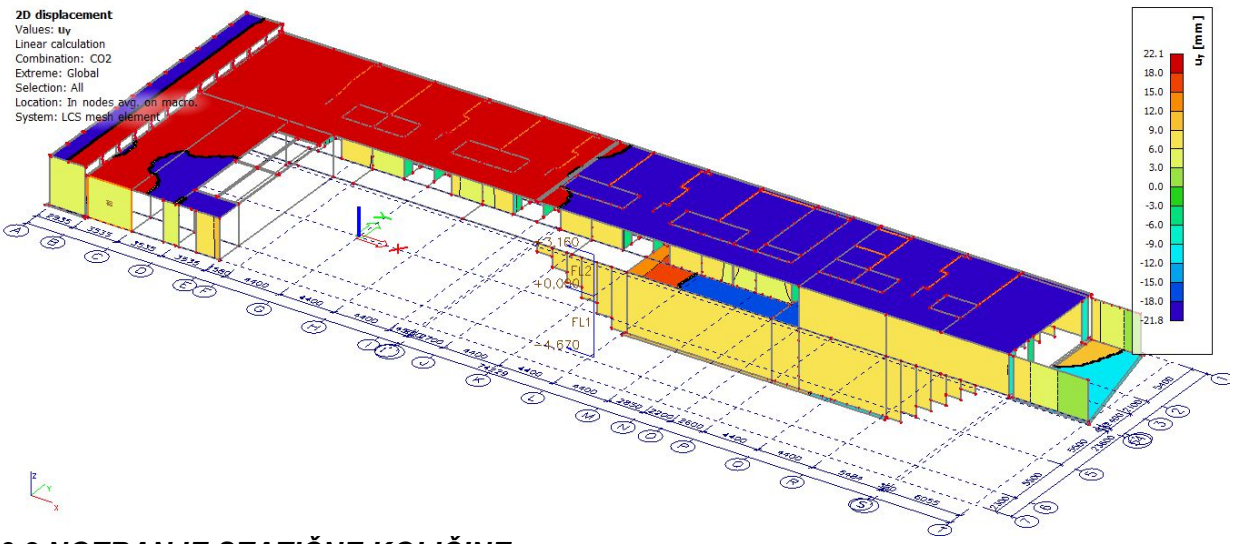
Name	dx [m]	Case	u_x [mm]	u_y [mm]	u_z [mm]	φ_x [mrad]	φ_y [mrad]	φ_z [mrad]	U_{total} [mm]
B83	0,480-	CO2/9	11,2	11,4	-0,6	-1,5	0,0	**-1,5**	16,0
B83	0,480-	CO2/8	-11,1	-11,5	-5,9	1,6	-0,1	**1,6**	17,1
B351	9,248-	CO2/3	15,4	-21,7	-5,8	-0,1	1,5	0,0	**27,2**

Name	Combination key
CO2/1	LC1 + LC2 + 0.30*LC9 - 2.00*Equivalent lateral forces for LC10 - 2.00*Accidental torsional moments for LC10 - 2.00*Equivalent lateral forces for LC11 - 2.00*Accidental torsional moments for LC11
CO2/2	LC1 + LC2 + 2.00*Equivalent lateral forces for LC10 + 2.00*Accidental torsional moments for LC10 + 2.00*Equivalent lateral forces for LC11 + 2.00*Accidental torsional moments for LC11
CO2/3	LC1 + LC2 + 0.30*LC9 + 2.00*Equivalent lateral forces for LC10 + 2.00*Accidental torsional moments for LC10 - 2.00*Equivalent lateral forces for LC11 + 2.00*Accidental torsional moments for LC11
CO2/4	LC1 + LC2 - 2.00*Equivalent lateral forces for LC10 - 2.00*Accidental torsional moments for LC10 + 2.00*Equivalent lateral forces for LC11 - 2.00*Accidental torsional moments for LC11
CO2/5	LC1 + LC2 + 2.00*Equivalent lateral forces for LC10 + 2.00*Accidental torsional moments for LC10 - 2.00*Equivalent lateral forces for LC11 + 2.00*Accidental torsional moments for LC11
CO2/6	LC1 + LC2 + 0.30*LC9 + 2.00*Equivalent lateral forces for LC10 - 2.00*Accidental torsional moments for LC10 + 2.00*Equivalent lateral forces for LC11 - 2.00*Accidental torsional moments for LC11
CO2/7	LC1 + LC2 - 2.00*Equivalent lateral forces for LC10 + 2.00*Accidental torsional moments for LC10 - 2.00*Equivalent lateral forces for LC11 + 2.00*Accidental torsional moments for LC11
CO2/8	LC1 + LC2 - 2.00*Equivalent lateral forces for LC10 - 2.00*Accidental torsional moments for LC10 - 2.00*Equivalent lateral forces for LC11 - 2.00*Accidental torsional moments for LC11
CO2/9	LC1 + LC2 + 0.30*LC9 + 2.00*Equivalent lateral forces for LC10 + 2.00*Accidental torsional moments for LC10 + 2.00*Equivalent lateral forces for LC11 + 2.00*Accidental torsional moments for LC11









6.2.NOTRANJE STATIČNE KOLIČINE

6.2.1 Elementi 1D

Linear calculation
Combination: SEIS_F
Coordinate system: Principal; Extreme 1D: Cross-section
Selection: All

Name	dx [m]	Case	Cross-section	N [kN]	V_y [kN]	V_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]
B34	0,486-	CO1/1	CS1 - Rectangle (320; 200)	**-61,97**	-2,00	11,28	-0,28	-4,05	0,23
B31	0,243-	CO1/2	CS1 - Rectangle (320; 200)	**34,79**	-0,30	-6,29	0,04	2,06	-0,13
B34	0,000	CO1/3	CS1 - Rectangle (320; 200)	-45,35	**-8,56**	12,61	-1,52	-7,60	2,73
B1	0,000	CO1/4	CS1 - Rectangle (320; 200)	-49,97	1,38	**-30,18**	-0,10	22,74	-2,06
B34	0,000	CO1/5	CS1 - Rectangle (320; 200)	-15,75	-6,46	9,96	**-1,87**	-2,95	1,87
B34	3,160	CO1/6	CS1 - Rectangle (320; 200)	2,94	**11,75**	2,38	**1,45**	2,97	3,82
B1	0,000	CO1/7	CS1 - Rectangle (320; 200)	-14,57	-0,66	**68,22**	0,06	**-44,76**	0,97
B4	0,000	CO1/8	CS1 - Rectangle (320; 200)	-49,45	-0,61	-27,30	0,03	**24,22**	0,95
B4	0,000	CO1/9	CS1 - Rectangle (320; 200)	-36,45	4,67	6,80	-0,33	-2,10	**-6,90**
B4	0,000	CO1/10	CS1 - Rectangle (320; 200)	-27,53	-4,15	23,37	0,35	-15,25	**6,11**
B274	0,486-	CO1/4	CS17 - Rectangle (200; 200)	**-52,27**	7,00	2,00	0,02	-1,01	-1,60
B278	3,160	CO1/7	CS17 - Rectangle (200; 200)	**39,30**	-9,19	1,75	-0,11	3,85	-5,49
B274	0,000	CO1/7	CS17 - Rectangle (200; 200)	-45,98	**-35,66**	-4,21	-0,16	1,17	**13,85**
B274	0,000	CO1/4	CS17 - Rectangle (200; 200)	-51,84	**22,23**	3,23	0,17	-2,28	-8,34
B23	0,000	CO1/11	CS17 - Rectangle (200; 200)	-29,23	-5,70	**-14,44**	-0,22	3,06	1,78
B12	0,000	CO1/12	CS17 - Rectangle (200; 200)	-24,54	-5,73	-0,37	**-1,67**	1,38	8,05
B24	0,000	CO1/14	CS17 - Rectangle (200; 200)	-31,46	0,58	**17,16**	-0,08	**-5,93**	1,08
B277	0,000	CO1/15	CS17 - Rectangle (200; 200)	4,97	9,36	-3,34	-0,35	**5,25**	-3,05

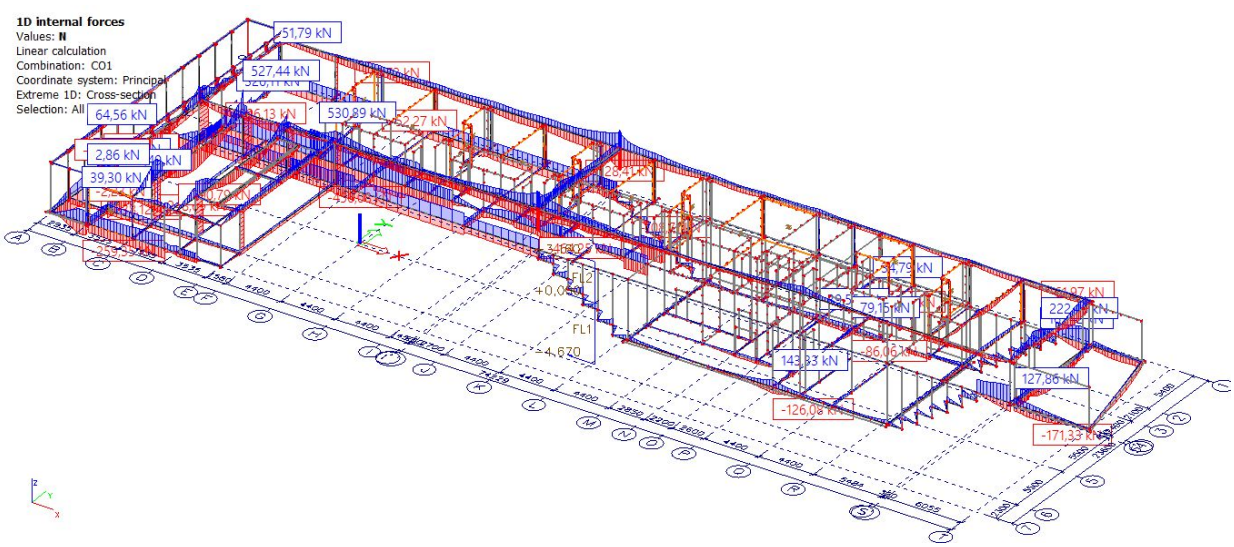
Name	dx [m]	Case	Cross-section	N [kN]	V_y [kN]	V_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]
B277	0,000	CO1/16	CS17 - Rectangle (200; 200)	14,84	17,16	-1,63	-0,15	1,44	**-10,34**
B49	0,000	CO1/17	CS13 - Rectangle (200; 200)	**-78,72**	1,05	5,23	-0,05	-6,92	-1,59
B50	3,160	CO1/4	CS13 - Rectangle (200; 200)	**51,79**	0,02	0,66	0,00	0,00	0,00
B58	0,000	CO1/3	CS13 - Rectangle (200; 200)	-23,34	**-4,39**	-0,34	0,02	0,62	**6,78**
B51	0,000	CO1/18	CS13 - Rectangle (200; 200)	-13,15	**3,21**	-0,56	0,06	0,87	-5,80
B58	0,000	CO1/15	CS13 - Rectangle (200; 200)	-21,82	-1,65	**-3,60**	-0,01	6,64	1,79
B49	0,000	CO1/13	CS13 - Rectangle (200; 200)	-78,64	1,04	**5,23**	-0,05	-6,92	-1,57
B38	0,000	CO1/17	CS13 - Rectangle (200; 200)	-29,22	0,55	4,63	-0,04	**-7,34**	-0,85
B49	3,160	CO1/13	CS13 - Rectangle (200; 200)	-75,55	0,77	4,34	-0,05	**8,90**	1,50
B59	3,760	CO1/3	CS13 - Rectangle (200; 200)	-20,81	-3,21	-0,23	-0,04	-0,59	**-8,65**
B275	0,000	CO1/21	CS3 - Rectangle (800; 200)	**-290,79**	-18,03	2,12	-0,44	-47,93	29,51
B68	3,160	CO1/22	CS3 - Rectangle (800; 200)	**-49,89**	-1,46	-31,01	-1,07	-58,22	-4,63
B63	0,000	CO1/3	CS3 - Rectangle (800; 200)	-213,90	**-26,21**	-23,32	0,27	2,50	**39,41**
B275	0,000	CO1/16	CS3 - Rectangle (800; 200)	-255,20	**14,54**	-38,53	0,51	22,80	-23,31
B275	0,000	CO1/15	CS3 - Rectangle (800; 200)	-265,58	2,27	**-133,91**	0,05	**183,73**	-3,34
B63	0,000	CO1/7	CS3 - Rectangle (800; 200)	-230,21	-13,38	**78,64**	0,08	-177,43	19,70
B68	0,000	CO1/23	CS3 - Rectangle (800; 200)	-65,17	-3,98	-34,80	**-1,08**	46,79	6,58
B68	0,000	CO1/11	CS3 - Rectangle (800; 200)	-139,66	11,80	51,70	**2,19**	-116,25	-17,23
B275	3,160	CO1/15	CS3 - Rectangle (800; 200)	-253,24	1,05	-130,36	0,05	**-236,62**	2,87
B63	3,160	CO1/3	CS3 - Rectangle (800; 200)	-201,50	-22,99	-22,81	0,27	-70,79	**-40,88**
B65	0,000	CO1/24	CS4 - Rectangle (600; 200)	**-296,13**	-9,28	-77,31	-0,21	143,95	15,49
B67	3,160	CO1/17	CS4 - Rectangle (600; 200)	**-120,86**	4,83	58,44	-0,08	107,56	7,36
B65	0,000	CO1/3	CS4 - Rectangle (600; 200)	-235,65	**-16,16**	-2,01	0,45	20,32	**25,65**
B66	0,000	CO1/16	CS4 - Rectangle (600; 200)	-211,28	**9,63**	44,11	-1,20	-52,30	-14,91
B65	0,000	CO1/15	CS4 - Rectangle (600; 200)	-294,57	-3,90	**-77,90**	-0,65	144,22	6,80
B276	0,000	CO1/25	CS4 - Rectangle (600; 200)	-277,19	6,95	45,48	**-1,24**	-55,70	-10,71
B66	0,000	CO1/22	CS4 - Rectangle (600; 200)	-219,84	-8,94	-1,47	**1,17**	26,88	14,19
B276	0,000	CO1/13	CS4 - Rectangle (600; 200)	-270,61	-1,46	**103,27**	-0,40	**-152,33**	2,57
B276	3,160	CO1/13	CS4 - Rectangle (600; 200)	-261,31	-2,08	100,60	-0,40	**171,89**	-2,53
B65	3,160	CO1/18	CS4 - Rectangle (600; 200)	-188,47	-13,81	42,01	0,44	80,92	**-24,08**
B72	7,140-	CO1/19	CS6 - Rectangle (600; 250)	**-86,06**	-12,07	-18,44	2,62	-35,20	0,35
B72	7,140-	CO1/20	CS6 - Rectangle (600; 250)	**79,15**	7,23	42,87	-2,03	24,26	0,43
B72	7,220-	CO1/26	CS6 - Rectangle (600; 250)	-66,50	**-18,88**	44,29	4,74	-43,05	0,99
B72	0,264-	CO1/23	CS6 - Rectangle (600; 250)	11,43	**18,64**	15,02	-4,38	4,37	-0,37
B72	2,777-	CO1/23	CS6 - Rectangle (600; 250)	-9,87	13,11	16,42	**-5,63**	-3,82	-0,06
B70	0,310+	CO1/18	CS6 - Rectangle (600; 250)	2,66	-17,27	7,33	**4,95**	2,21	0,06
B72	7,220-	CO1/19	CS6 - Rectangle (600; 250)	-68,54	-18,85	44,35	4,73	**-43,75**	0,99
B72	5,040-	CO1/27	CS6 - Rectangle (600; 250)	0,72	-6,46	29,27	0,73	**29,10**	0,29
B72	0,000	CO1/28	CS6 - Rectangle (600; 250)	15,60	14,74	17,49	-3,16	-0,80	**-1,19**
B72	7,220-	CO1/29	CS6 - Rectangle (600; 250)	-52,79	-17,93	39,75	4,16	-38,04	**1,08**
B71	2,300+	CO1/27	CS6 - Rectangle (600; 250)	-19,76	-5,50	**-69,54**	1,03	-40,07	0,31
B71	7,672-	CO1/2	CS6 - Rectangle (600; 250)	-35,02	4,39	**79,06**	-1,49	-17,07	0,07
B122	0,000	CO1/2	CS7 - Rectangle (300; 650)	**-108,71**	-2,47	30,51	-2,66	-4,83	4,85
B95	0,000	CO1/10	CS7 - Rectangle (300; 650)	**222,48**	10,20	-106,48	3,80	13,94	-1,18
B83	0,240-	CO1/5	CS7 - Rectangle (300; 650)	111,46	**-21,49**	-31,78	-6,97	-0,49	6,70
B95	0,240-	CO1/26	CS7 - Rectangle (300; 650)	153,72	**18,22**	-52,12	7,16	0,87	-4,84
B95	0,000	CO1/1	CS7 - Rectangle (300; 650)	221,93	10,15	**-106,60**	3,79	13,99	-1,15
B94	0,800	CO1/10	CS7 - Rectangle (300; 650)	180,66	5,57	**137,19**	0,05	18,69	6,05
B118	0,000	CO1/30	CS7 - Rectangle (300; 650)	172,47	-2,04	-74,07	**-12,95**	12,19	2,08
B95	0,000	CO1/29	CS7 - Rectangle (300; 650)	142,21	15,91	-53,75	**9,77**	5,78	-8,32
B121	0,800	CO1/2	CS7 - Rectangle (300; 650)	-66,08	-5,47	-69,04	-2,82	**-9,97**	-3,40
B92	0,800	CO1/1	CS7 - Rectangle (300; 650)	119,71	5,04	126,81	3,05	**18,84**	2,43
B81	0,000	CO1/29	CS7 - Rectangle (300; 650)	47,32	2,79	-21,88	4,97	2,57	**-14,16**
B93	0,000	CO1/2	CS7 - Rectangle (300; 650)	34,44	-0,22	-16,27	-2,32	2,17	**18,69**
B96	0,670	CO1/10	CS20 - Rectangle (300; 500)	**161,42**	-3,08	208,14	-7,08	31,74	6,17
B123	0,223-	CO1/20	CS20 - Rectangle (300; 500)	45,23	**-18,09**	57,41	-3,09	2,08	-11,56
B123	0,000	CO1/19	CS20 - Rectangle (300; 500)	2,02	**12,39**	-0,50	5,09	-0,61	-0,90
B123	0,670	CO1/8	CS20 - Rectangle (300; 500)	118,50	-13,74	133,02	**-12,23**	24,93	-16,85
B123	0,670	CO1/13	CS20 - Rectangle (300; 500)	-31,17	8,39	-64,71	**13,92**	-12,39	-1,10
B124	0,670	CO1/24	CS20 - Rectangle (300; 500)	**-128,41**	-6,55	**-209,53**	0,05	**-39,46**	-7,33
B124	0,670	CO1/17	CS20 - Rectangle (300; 500)	97,79	6,82	**233,09**	-1,39	**42,10**	12,10
B84	0,670	CO1/30	CS20 - Rectangle (300; 500)	136,58	-5,75	207,05	9,54	31,83	**-18,17**
B96	0,670	CO1/29	CS20 - Rectangle (300; 500)	123,65	6,94	170,62	-3,86	26,31	**15,82**
B97	1,514-	CO1/6	CS18 - Rectangle (600; 500)	**-171,33**	-12,78	6,86	-9,87	-11,08	-5,62
B97	0,000	CO1/22	CS18 - Rectangle (600; 500)	**127,86**	-22,28	-34,36	-18,10	24,50	-0,79
B97	0,252-	CO1/2	CS18 - Rectangle (600; 500)	-27,17	**-45,93**	-77,36	-17,50	13,29	-2,04

Name	dx [m]	Case	Cross-section	N [kN]	V_y [kN]	V_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]
B97	5,803-	CO1/2	CS18 - Rectangle (600; 500)	-12,58	**30,64**	-14,43	20,49	-8,79	2,78
B97	0,000	CO1/2	CS18 - Rectangle (600; 500)	8,86	-30,21	-100,21	**-22,95**	25,05	0,62
B97	5,046-	CO1/20	CS18 - Rectangle (600; 500)	-35,23	24,56	2,33	**26,83**	-3,25	-1,30
B97	0,252-	CO1/29	CS18 - Rectangle (600; 500)	-62,47	17,31	32,95	-17,37	**-29,85**	18,31
B97	0,000	CO1/30	CS18 - Rectangle (600; 500)	78,17	-32,73	-88,55	-21,67	**33,05**	-3,02
B97	1,262-	CO1/5	CS18 - Rectangle (600; 500)	-38,08	-17,72	-22,31	-11,64	-0,85	**-12,66**
B97	0,000	CO1/27	CS18 - Rectangle (600; 500)	-87,08	15,35	21,09	-15,48	-29,81	**19,62**
B97	0,000	CO1/20	CS18 - Rectangle (600; 500)	9,01	-29,94	**-100,63**	-22,87	25,10	0,54
B97	0,505-	CO1/27	CS18 - Rectangle (600; 500)	-47,53	6,80	**36,86**	-15,96	-25,26	17,36
B130	2,577-	CO1/3	CS8 - Rectangle (620; 500)	**-259,35**	-19,36	-86,09	29,82	-143,47	6,21
B130	2,577-	CO1/16	CS8 - Rectangle (620; 500)	**249,13**	24,96	86,24	-3,15	113,92	4,29
B251	2,925	CO1/4	CS8 - Rectangle (620; 500)	-16,99	159,32	86,95	**-62,11**	18,11	3,18
B269	8,760+	CO1/16	CS8 - Rectangle (620; 500)	27,08	-107,63	-113,60	**63,84**	76,51	66,19
B130	2,935	CO1/3	CS8 - Rectangle (620; 500)	-98,67	-79,35	**206,94**	50,14	**-189,72**	0,13
B128	0,000	CO1/12	CS8 - Rectangle (620; 500)	129,77	-119,56	-226,39	-5,93	**275,93**	25,68
B269	0,760-	CO1/22	CS8 - Rectangle (620; 500)	-14,21	**-202,12**	55,36	4,05	14,16	**-111,48**
B269	0,760-	CO1/25	CS8 - Rectangle (620; 500)	16,02	**186,22**	70,18	-9,51	29,12	**98,88**
B128	0,000	CO1/13	CS8 - Rectangle (620; 500)	167,11	-121,54	**-227,99**	-4,44	268,75	27,45
B129	17,753-	CO1/3	CS5 - Rectangle (500; 1150)	**-338,12**	5,34	-9,41	3,13	-17,66	-46,77
B129	18,670-	CO1/16	CS5 - Rectangle (500; 1150)	**250,85**	6,33	-0,94	25,49	2,69	17,31
B129	10,420+	CO1/23	CS5 - Rectangle (500; 1150)	-47,33	**-112,30**	-15,17	-31,94	-0,16	**96,03**
B129	21,420-	CO1/3	CS5 - Rectangle (500; 1150)	-252,49	**79,82**	14,10	5,60	-44,93	31,63
B129	1,993-	CO1/7	CS5 - Rectangle (500; 1150)	-31,21	-2,90	-12,74	**-53,75**	-55,22	7,11
B129	8,547-	CO1/24	CS5 - Rectangle (500; 1150)	-70,78	-9,77	-0,38	**42,99**	14,60	18,83
B129	2,929-	CO1/13	CS5 - Rectangle (500; 1150)	-26,41	-2,62	2,38	-44,22	**-72,14**	8,71
B129	10,420-	CO1/15	CS5 - Rectangle (500; 1150)	-160,52	40,82	17,32	29,42	**65,77**	32,40
B129	15,920-	CO1/3	CS5 - Rectangle (500; 1150)	-310,46	-7,68	-15,91	-10,27	-1,87	**-51,86**
B129	23,465-	CO1/16	CS5 - Rectangle (500; 1150)	29,31	-37,37	**-41,68**	20,22	-0,81	-1,38
B129	23,465-	CO1/3	CS5 - Rectangle (500; 1150)	-31,68	27,54	**79,35**	-27,86	2,91	0,14
B133	11,650-	CO1/19	CS9 - Rectangle (300; 500)	**-126,08**	-13,35	-6,19	-0,51	-4,26	-5,33
B133	11,650+	CO1/20	CS9 - Rectangle (300; 500)	**143,33**	-9,74	-13,89	-3,16	8,19	1,96
B134	0,000	CO1/4	CS9 - Rectangle (300; 500)	-2,83	**-43,26**	37,34	-15,04	-6,29	-4,89
B134	9,520-	CO1/11	CS9 - Rectangle (300; 500)	17,02	**48,09**	-25,17	12,57	-1,00	1,03
B140	7,476-	CO1/20	CS9 - Rectangle (300; 500)	5,93	-6,35	**-103,18**	4,68	-7,57	1,07
B134	0,752-	CO1/20	CS9 - Rectangle (300; 500)	-27,54	-11,36	27,01	**-15,90**	-1,08	-2,21
B133	20,117-	CO1/20	CS9 - Rectangle (300; 500)	51,33	17,66	-18,03	**15,75**	-1,50	1,36
B140	8,242-	CO1/20	CS9 - Rectangle (300; 500)	67,37	-10,04	-13,32	6,41	**-34,57**	0,50
B149	0,000	CO1/26	CS9 - Rectangle (300; 500)	17,85	5,76	-70,82	3,61	**25,10**	2,11
B134	9,520-	CO1/23	CS9 - Rectangle (300; 500)	-14,17	-22,49	-9,87	3,41	-1,83	**-8,37**
B137	8,800-	CO1/30	CS9 - Rectangle (300; 500)	34,95	43,77	44,80	-6,73	19,64	**8,84**
B139	2,060-	CO1/30	CS9 - Rectangle (300; 500)	-3,15	12,77	**74,18**	-0,50	-2,99	-0,40
B285	0,100-	CO1/25	CS10 - Rectangle (500; 200)	**-464,25**	-3,61	-29,85	-40,81	-87,27	19,25
B279	13,300-	CO1/17	CS10 - Rectangle (500; 200)	**527,44**	-2,50	-100,12	-1,29	-112,71	-0,32
B286	0,000	CO1/14	CS10 - Rectangle (500; 200)	-87,20	**-181,47**	-84,99	-31,79	26,46	12,17
B165	2,740-	CO1/20	CS10 - Rectangle (500; 200)	278,00	8,74	**-217,16**	14,58	-61,29	4,14
B165	9,267-	CO1/19	CS10 - Rectangle (500; 200)	110,60	-20,11	**207,65**	-12,45	-23,87	2,25
B283	0,000	CO1/25	CS10 - Rectangle (500; 200)	18,92	**196,15**	12,76	**45,37**	-39,47	-7,52
B289	2,280-	CO1/15	CS10 - Rectangle (500; 200)	-45,21	-2,35	23,30	-3,39	**102,82**	-0,71
B287	0,000	CO1/25	CS10 - Rectangle (500; 200)	-461,43	-26,44	46,80	**-51,04**	-82,77	**-15,89**
B285	0,100-	CO1/14	CS10 - Rectangle (500; 200)	-448,92	14,77	-30,58	-40,24	-84,27	**20,91**
B279	2,300+	CO1/4	CS10 - Rectangle (500; 200)	363,68	2,32	190,02	1,75	**-214,50**	0,44
B192	0,600	CO1/16	CS15 - HEA100	**-67,03**	-3,71	-2,86	0,00	-1,43	-1,09
B192	0,300+	CO1/3	CS15 - HEA100	**131,49**	-0,52	11,83	0,00	-0,36	0,04
B194	0,200+	CO1/23	CS15 - HEA100	-3,65	-29,23	**-29,47**	0,00	-3,06	-1,82
B192	0,000	CO1/3	CS15 - HEA100	-27,12	-0,51	**64,75**	0,00	**-12,17**	0,20
B192	0,300-	CO1/3	CS15 - HEA100	-27,17	-0,52	64,73	0,00	**7,26**	0,04
B194	0,300-	CO1/24	CS15 - HEA100	-2,07	**-68,36**	-23,68	0,00	-5,87	**-10,96**
B194	0,300-	CO1/17	CS15 - HEA100	-12,61	**71,35**	29,34	0,00	5,48	**11,27**
B196	2,935	CO1/24	CS2 - Rectangle (250; 250)	**-2,23**	8,08	17,54	4,42	1,03	0,80
B196	2,935	CO1/17	CS2 - Rectangle (250; 250)	**2,86**	-10,62	-21,87	-5,37	-1,12	-0,94
B196	2,935	CO1/4	CS2 - Rectangle (250; 250)	-1,22	**9,92**	**18,18**	**4,88**	1,11	0,75
B196	2,935	CO1/7	CS2 - Rectangle (250; 250)	1,85	**-12,46**	**-22,51**	**-5,83**	**-1,20**	-0,89
B196	0,100+	CO1/4	CS2 - Rectangle (250; 250)	1,52	-5,79	-6,75	-3,17	**1,27**	0,84
B196	0,100+	CO1/7	CS2 - Rectangle (250; 250)	-0,77	6,76	6,40	3,66	-1,12	**-1,08**
B272	0,738-	CO1/2	CS16 - Rectangle (300; 200)	**-30,37**	4,85	19,36	-0,75	**5,55**	0,03
B271	2,300	CO1/26	CS16 - Rectangle (300; 200)	25,42	**-13,35**	-14,61	**1,83**	-8,81	-0,11

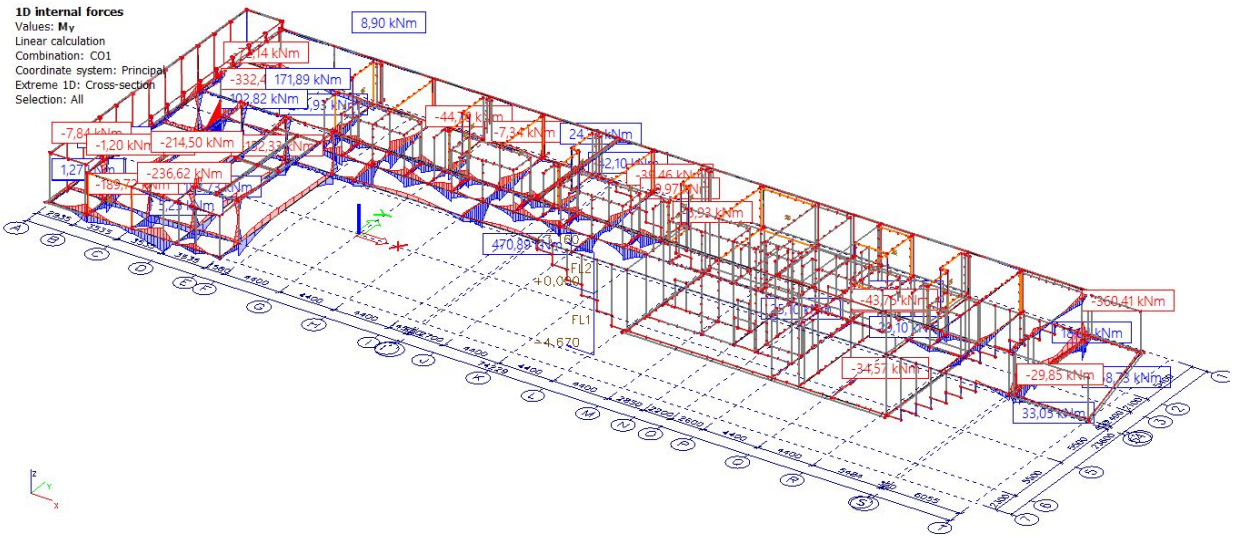
Name	dx [m]	Case	Cross-section	N [kN]	V_y [kN]	V_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]
B273	1,584+	CO1/23	CS16 - Rectangle (300; 200)	2,27	**13,51**	-6,15	-1,74	1,19	0,04
B273	0,264-	CO1/23	CS16 - Rectangle (300; 200)	-4,32	13,05	13,83	**-1,93**	1,18	-0,03
B271	2,300	CO1/19	CS16 - Rectangle (300; 200)	25,53	-13,34	-14,61	1,83	**-8,94**	-0,11
B272	1,848	CO1/14	CS16 - Rectangle (300; 200)	7,61	-5,60	-10,27	0,89	-0,22	**-0,24**
B272	1,848	CO1/28	CS16 - Rectangle (300; 200)	6,39	8,91	-11,52	-1,32	-1,15	**0,46**
B270	1,680	CO1/27	CS16 - Rectangle (300; 200)	**39,55**	-3,13	**-19,06**	0,48	-8,58	0,13
B272	0,246-	CO1/2	CS16 - Rectangle (300; 200)	-8,32	4,12	**25,66**	-0,67	1,37	0,04
B354	0,000	CO1/22	CS19 - Rectangle (800; 500)	**-456,08**	22,89	-96,68	-21,24	105,99	8,04
B354	0,000	CO1/25	CS19 - Rectangle (800; 500)	**530,89**	-5,06	39,91	91,31	12,88	-15,16
B291	8,760+	CO1/10	CS19 - Rectangle (800; 500)	8,52	**-310,61**	190,62	7,45	-158,62	166,78
B291	9,267-	CO1/20	CS19 - Rectangle (800; 500)	37,43	144,19	**-490,52**	-101,74	145,31	35,43
B291	9,013-	CO1/29	CS19 - Rectangle (800; 500)	-29,64	-120,33	**477,77**	-137,84	-218,89	-14,14
B291	8,760+	CO1/11	CS19 - Rectangle (800; 500)	-36,93	179,36	276,70	**-230,05**	-12,78	-130,21
B291	0,760-	CO1/31	CS19 - Rectangle (800; 500)	-52,40	-209,32	-230,95	**196,28**	-31,42	-150,37
B291	8,760+	CO1/19	CS19 - Rectangle (800; 500)	-18,85	-244,68	416,35	-80,62	**-360,41**	89,47
B291	8,760+	CO1/20	CS19 - Rectangle (800; 500)	0,77	180,54	-90,07	-132,05	**358,73**	-68,66
B291	0,760-	CO1/25	CS19 - Rectangle (800; 500)	-45,77	-272,61	-99,30	184,01	107,13	**-166,67**
B291	0,760-	CO1/22	CS19 - Rectangle (800; 500)	10,52	**349,27**	-147,52	13,15	-106,61	**172,28**
B332	15,440+	CO1/15	CS21 - Rectangle (800; 600)	**-248,69**	2,17	4,92	-8,10	-83,65	-2,80
B332	5,410+	CO1/15	CS21 - Rectangle (800; 600)	**320,11**	-54,63	161,50	-16,58	-39,53	45,96
B332	9,520+	CO1/7	CS21 - Rectangle (800; 600)	174,23	**-196,20**	136,49	-85,05	105,70	57,23
B332	9,520+	CO1/4	CS21 - Rectangle (800; 600)	23,94	**235,63**	-21,79	131,14	6,92	-51,74
B332	7,240+	CO1/15	CS21 - Rectangle (800; 600)	-43,99	81,54	**-242,24**	56,40	378,21	-75,52
B300	6,930+	CO1/4	CS21 - Rectangle (800; 600)	-14,56	-8,13	**260,81**	1,79	290,60	-14,59
B332	9,835+	CO1/12	CS21 - Rectangle (800; 600)	171,55	-195,35	136,26	**-85,24**	149,38	-4,50
B332	9,835+	CO1/15	CS21 - Rectangle (800; 600)	26,60	234,73	-16,46	**131,42**	-0,09	22,41
B332	7,240+	CO1/12	CS21 - Rectangle (800; 600)	118,64	-53,36	212,61	4,28	**-332,48**	51,02
B300	7,140+	CO1/4	CS21 - Rectangle (800; 600)	-81,43	31,65	-225,41	1,33	**470,89**	-39,68
B332	7,140+	CO1/32	CS21 - Rectangle (800; 600)	134,01	197,24	-30,75	11,82	132,74	**-191,74**
B332	7,140+	CO1/21	CS21 - Rectangle (800; 600)	-46,97	-160,82	17,75	43,22	-90,76	**164,97**
B349	17,386-	CO1/16	CS11 - Rectangle (155; 200)	**-55,33**	-0,26	-1,88	-0,60	-0,14	-0,11
B349	19,353-	CO1/3	CS11 - Rectangle (155; 200)	**64,56**	-0,28	0,43	-1,56	-0,47	0,16
B350	2,735+	CO1/24	CS11 - Rectangle (155; 200)	1,11	**-16,22**	-4,48	-4,81	0,00	-1,36
B350	2,735+	CO1/17	CS11 - Rectangle (155; 200)	-1,66	**17,25**	-8,54	4,81	-1,21	1,44
B351	23,600	CO1/17	CS11 - Rectangle (155; 200)	-2,16	-2,01	**-28,14**	-2,89	-6,80	1,20
B351	23,550+	CO1/24	CS11 - Rectangle (155; 200)	0,38	0,42	**24,88**	1,59	4,86	-0,99
B351	1,913+	CO1/3	CS11 - Rectangle (155; 200)	2,69	-4,74	-11,88	**-6,59**	-3,01	-0,91
B351	2,013-	CO1/3	CS11 - Rectangle (155; 200)	2,68	4,00	12,61	**5,84**	-3,21	-0,88
B349	23,600	CO1/4	CS11 - Rectangle (155; 200)	-7,26	-0,59	-11,03	-1,70	**-7,84**	1,04
B349	23,600	CO1/7	CS11 - Rectangle (155; 200)	8,04	-1,30	12,70	1,22	**8,94**	-1,37
B350	2,835	CO1/24	CS11 - Rectangle (155; 200)	-3,96	-9,30	-2,26	-4,90	-0,10	**-2,49**
B350	2,835	CO1/17	CS11 - Rectangle (155; 200)	3,93	9,94	-11,65	4,85	-2,32	**2,63**

Name	Combination key
CO1/1	LC1 + LC2 - Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
CO1/2	LC1 + LC2 + 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
CO1/3	LC1 + LC2 - Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
CO1/4	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/5	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
CO1/6	LC1 + LC2 + 0.30*LC9 + Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
CO1/7	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
CO1/8	LC1 + LC2 + 0.30*LC9 - 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/9	LC1 + LC2 + Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
CO1/10	LC1 + LC2 + 0.30*LC9 - Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
CO1/11	LC1 + LC2 + 0.30*LC9 + Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11

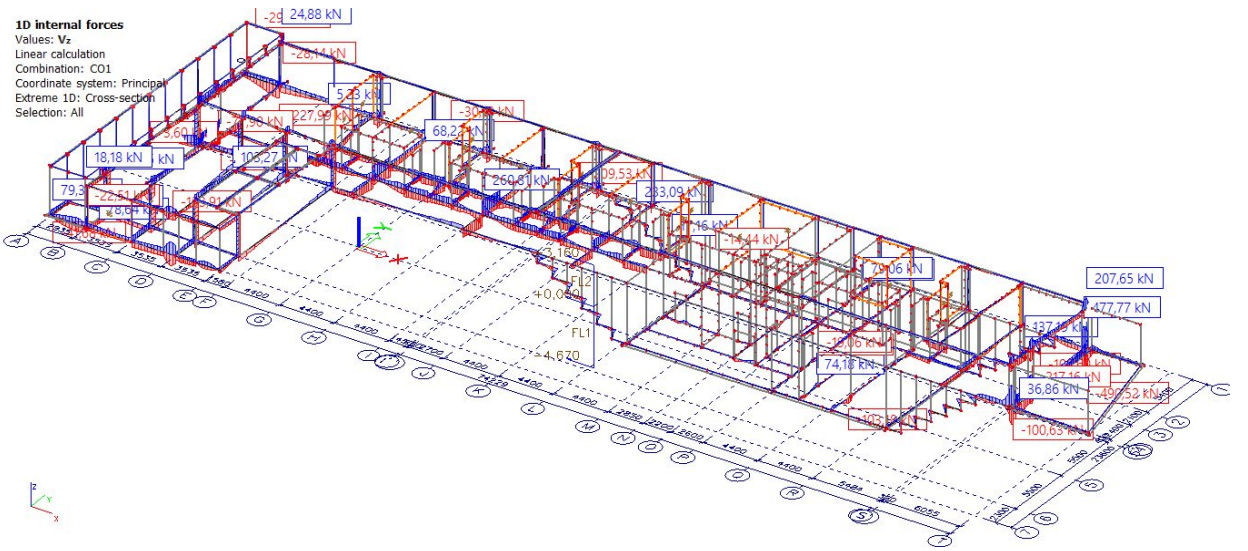
Name	Combination key
CO1/12	LC1 + LC2 + 0.30*LC9 - 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
CO1/13	LC1 + LC2 + 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
CO1/14	LC1 + LC2 + Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
CO1/15	LC1 + LC2 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/16	LC1 + LC2 + 0.30*LC9 + Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
CO1/17	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
CO1/18	LC1 + LC2 - Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
CO1/19	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/20	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
CO1/21	LC1 + LC2 + 0.30*LC9 - Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
CO1/22	LC1 + LC2 + 0.30*LC9 - Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
CO1/23	LC1 + LC2 - Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
CO1/24	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/25	LC1 + LC2 + Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
CO1/26	LC1 + LC2 + 0.30*LC9 - 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/27	LC1 + LC2 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/28	LC1 + LC2 + 0.30*LC9 - Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
CO1/29	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/30	LC1 + LC2 + 0.30*LC9 - 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
CO1/31	LC1 + LC2 + 0.30*LC9 + Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
CO1/32	LC1 + LC2 + Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11



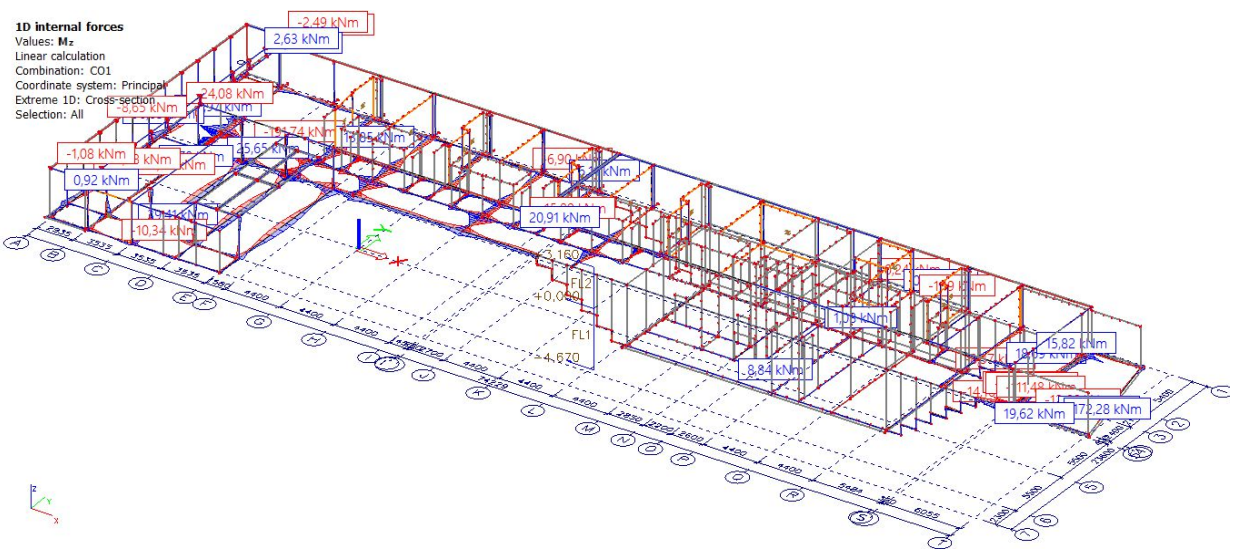
Osne sile Nx (kN)



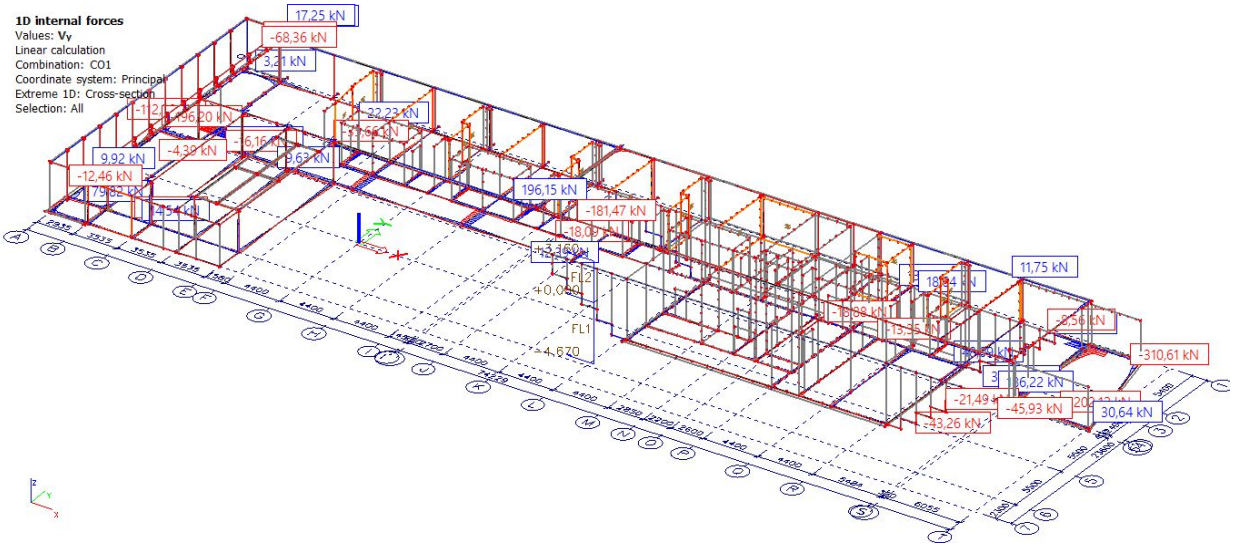
Upogibni momenti My (kNm)



Strižne sile Vz (kN)



Upogibni momenti Mz (kNm)



Strižne sile Vy (kN)

6.2.2 Elementi 2D

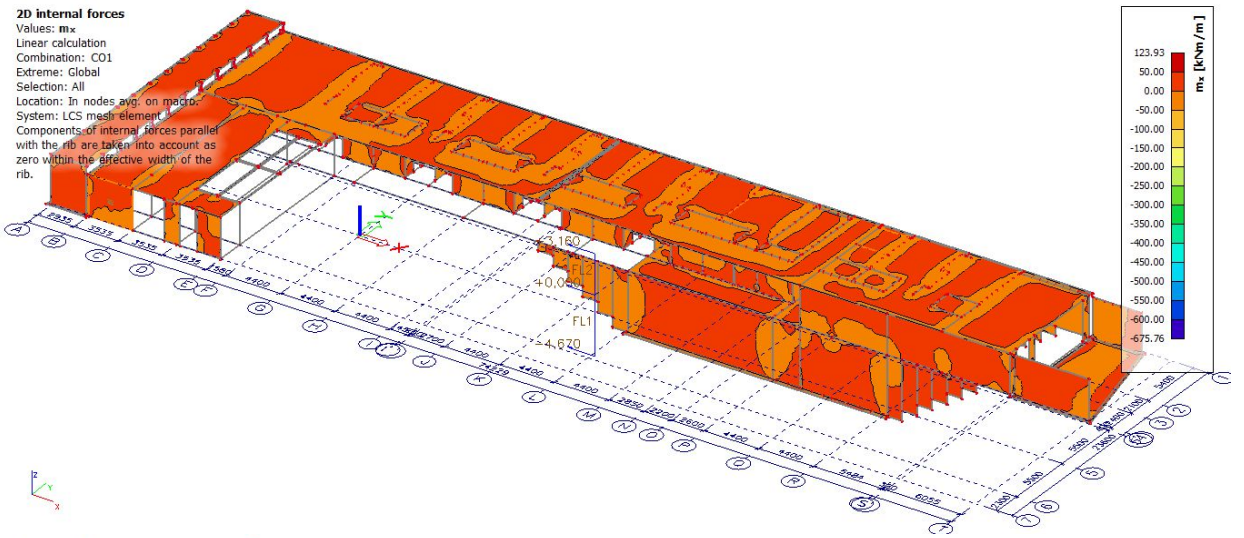
Linear calculation
Combination: SEIS_F; Extreme: Global; Selection: All
Filter: Material = C25/30; Location: In nodes avg. on macro. System: LCS mesh element

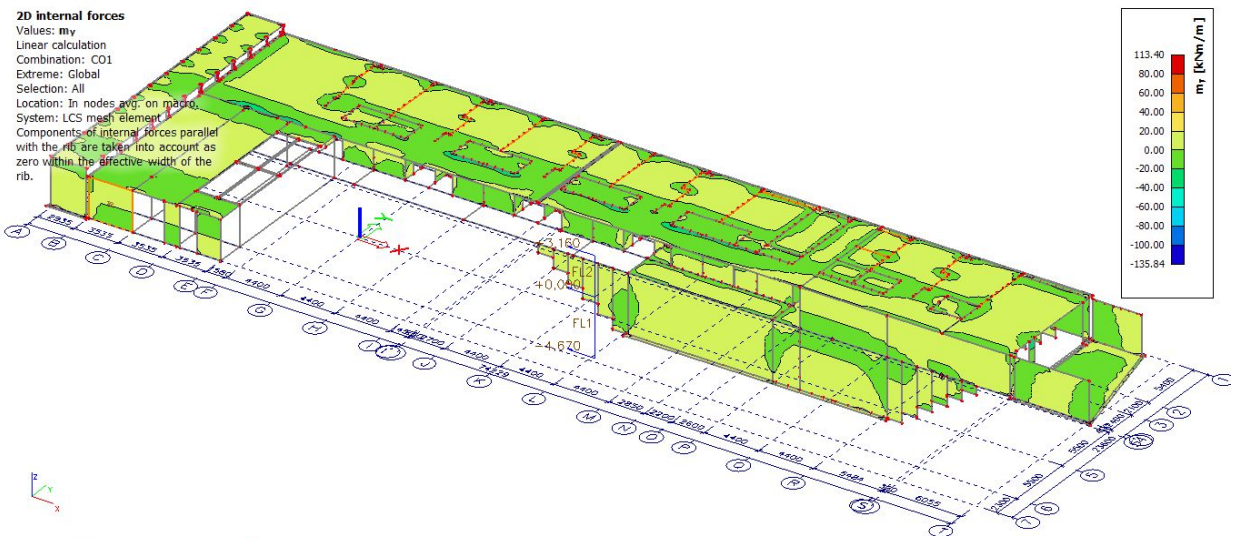
Basic magnitudes

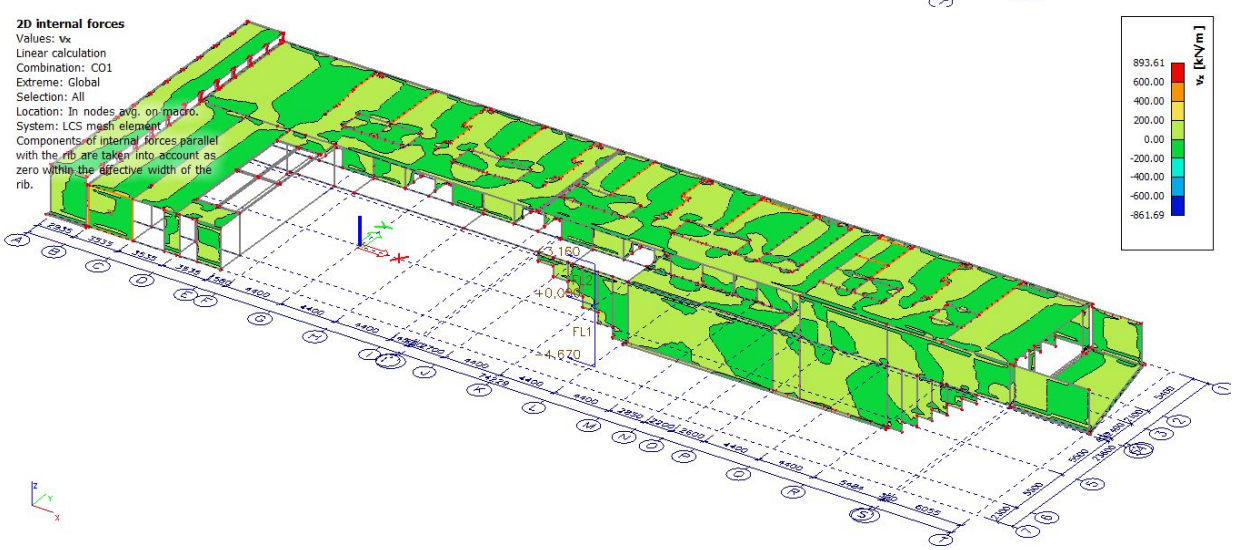
Name	Case	m_x [kNm/m] m_y [kNm/m]	m_{xy} [kNm/m]	v_x [kN/m] v_y [kN/m]	n_x [kN/m] n_y [kN/m]	n_{xy} [kN/m]
S160	CO1/1	**-675,76** -0,01	2,88	223,99 -0,95	-232,21 0,00	0,99
S160	CO1/2	**252,36** 0,00	-1,07	-248,68 1,06	-78,74 0,00	0,34
S143	CO1/3	-41,97 -90,88	**-64,32**	334,86 **594,73**	-157,35 -457,59	-105,60
S160	CO1/4	100,33 56,44	**62,43**	726,10 322,77	-796,09 -2015,58	-839,33
S119	CO1/5	58,76 **113,40**	46,37	**-861,69** -272,78	-1437,43 -3156,74	-1030,04
S160	CO1/4	123,93 66,19	-62,87	**893,61** -383,15	791,44 139,53	-379,10
S10	CO1/6	-40,81 **-135,84**	-54,29	-483,79 **-980,07**	-480,14 -977,74	-391,49
S119	CO1/3	3,43 23,93	6,36	-142,76 -24,89	**2063,61** 2697,55	1301,13
S126	CO1/7	-4,45 -23,31	-4,20	16,95 -33,58	1652,89 **2985,11**	1430,93
S119	CO1/8	35,93 72,25	26,85	-537,00 -214,05	**-2609,81** **-4798,14**	**-1767,99**
S126	CO1/9	0,14 -10,10	-3,49	-87,85 -109,05	1654,38 2959,06	**1432,83**

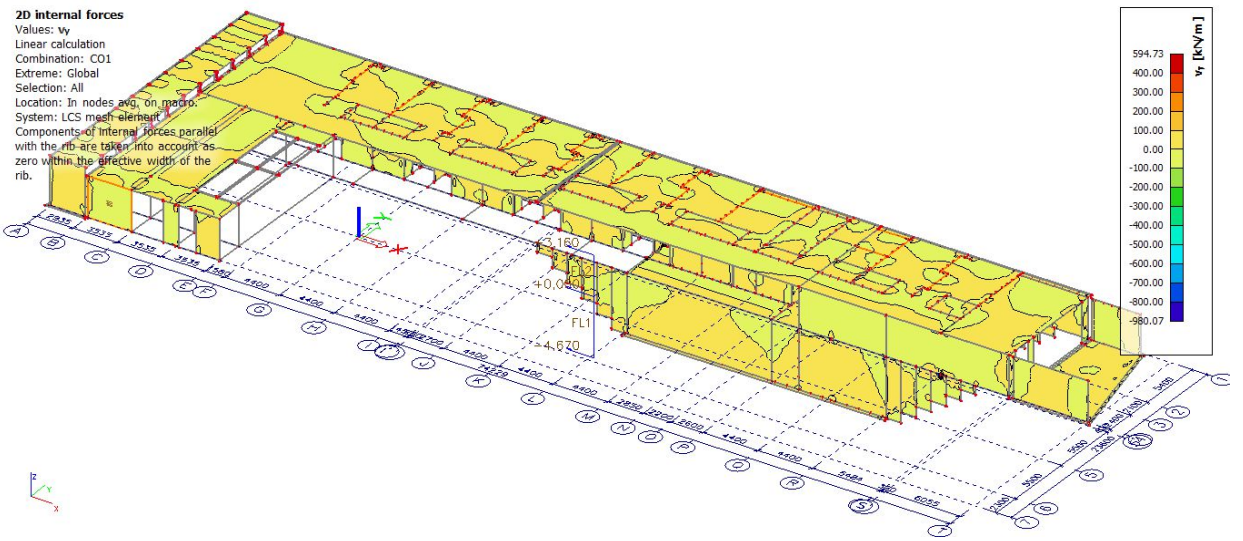
Name	Combination key
CO1/1	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
CO1/2	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/3	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/4	LC1 + LC2 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/5	LC1 + LC2 + 0.30*LC9 + Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
CO1/6	LC1 + LC2 + Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
CO1/7	LC1 + LC2 + 0.30*LC9 - 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 +

Name	Combination key
	Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
CO1/8	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
CO1/9	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11









6.3.NAPETOSTI V ELEMENTIH

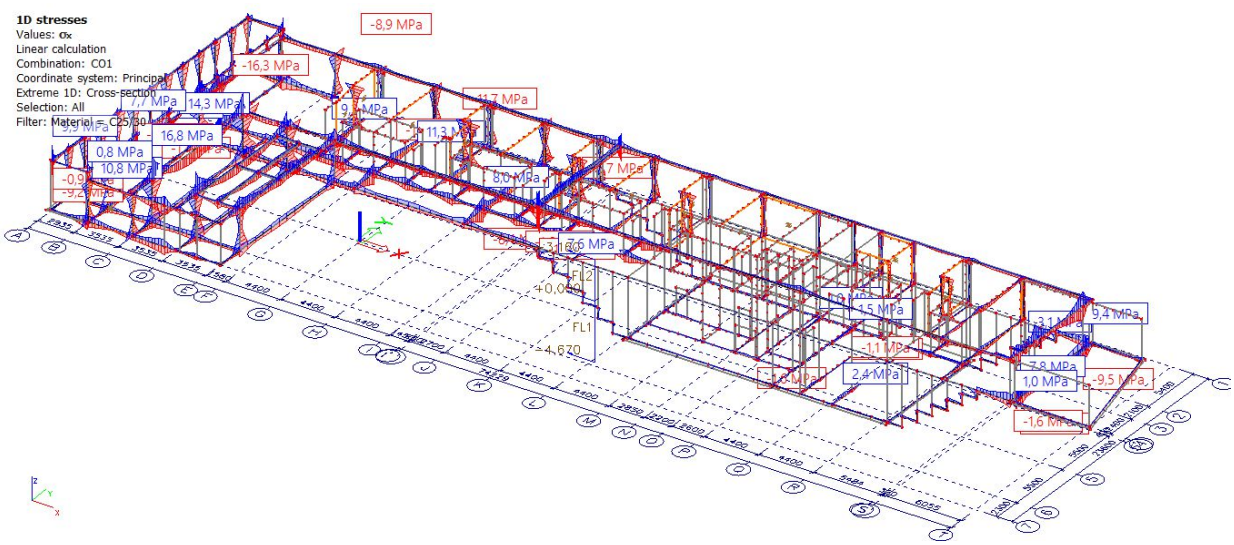
6.3.1 Elementi 1D

Linear calculation
Combination: SEIS_F; Coordinate system: Principal
Extreme 1D: Cross-section; Selection: All
Selection: All; Filter: Material = C25/30

Name	dx [m]	Fibre	Case	Cross-section	Material	σ_x [MPa]	τ_{xy} [MPa]	τ_{xz} [MPa]	τ_{tor} [MPa]
B1	0,000	7	CO1/1	CS1 - Rectangle (320; 200)	C25/30	**-11,7**	0,0	0,0	0,0
B1	0,000	3	CO1/1	CS1 - Rectangle (320; 200)	C25/30	**11,3**	0,0	0,0	0,0
B274	0,000	3	CO1/2	CS17 - Rectangle (200; 200)	C25/30	**-11,4**	0,0	0,0	0,0
B274	0,000	7	CO1/2	CS17 - Rectangle (200; 200)	C25/30	**9,3**	0,0	0,0	0,0
B49	3,160	3	CO1/3	CS13 - Rectangle (200; 200)	C25/30	**-8,9**	0,0	0,0	0,0
B58	3,760	3	CO1/4	CS13 - Rectangle (200; 200)	C25/30	**7,7**	0,0	0,0	0,0
B63	3,160	7	CO1/4	CS3 - Rectangle (800; 200)	C25/30	**-12,8**	0,0	0,0	0,0
B63	3,160	3	CO1/4	CS3 - Rectangle (800; 200)	C25/30	**10,8**	0,0	0,0	0,0
B65	3,160	5	CO1/2	CS4 - Rectangle (600; 200)	C25/30	**-16,3**	0,0	0,0	0,0
B65	3,160	1	CO1/2	CS4 - Rectangle (600; 200)	C25/30	**14,3**	0,0	0,0	0,0
B72	7,220-	1	CO1/5	CS6 - Rectangle (600; 250)	C25/30	**-2,2**	0,0	0,0	0,0
B72	7,476-	7	CO1/6	CS6 - Rectangle (600; 250)	C25/30	**1,5**	0,0	0,0	0,0
B117	0,800	5	CO1/7	CS7 - Rectangle (300; 650)	C25/30	**-1,6**	0,0	0,0	0,0
B94	0,800	7	CO1/8	CS7 - Rectangle (300; 650)	C25/30	**3,1**	0,0	0,0	0,0
B124	0,670	7	CO1/4	CS20 - Rectangle (300; 500)	C25/30	**-6,7**	0,0	0,0	0,0
B123	0,670	1	CO1/9	CS20 - Rectangle (300; 500)	C25/30	**7,6**	0,0	0,0	0,0
B97	0,000	1	CO1/10	CS18 - Rectangle (600; 500)	C25/30	**-1,6**	0,0	0,0	0,0
B97	0,000	1	CO1/7	CS18 - Rectangle (600; 500)	C25/30	**1,0**	0,0	0,0	0,0
B269	0,760+	3	CO1/11	CS8 - Rectangle (620; 500)	C25/30	**-6,1**	0,0	0,0	0,0
B269	0,760+	7	CO1/11	CS8 - Rectangle (620; 500)	C25/30	**7,8**	0,0	0,0	0,0
B129	10,420+	3	CO1/4	CS5 - Rectangle (500; 1150)	C25/30	**-1,4**	0,0	0,0	0,0
B129	10,420+	5	CO1/12	CS5 - Rectangle (500; 1150)	C25/30	**1,1**	0,0	0,0	0,0
B137	8,800-	3	CO1/13	CS9 - Rectangle (300; 500)	C25/30	**-1,6**	0,0	0,0	0,0
B140	8,242-	5	CO1/6	CS9 - Rectangle (300; 500)	C25/30	**2,4**	0,0	0,0	0,0
B285	0,100-	1	CO1/14	CS10 - Rectangle (500; 200)	C25/30	**-16,4**	0,0	0,0	0,0
B279	2,300+	3	CO1/4	CS10 - Rectangle (500; 200)	C25/30	**16,8**	0,0	0,0	0,0
B196	0,100+	7	CO1/2	CS2 - Rectangle (250; 250)	C25/30	**-0,9**	0,0	0,0	0,0
B196	2,935	3	CO1/1	CS2 - Rectangle (250; 250)	C25/30	**0,8**	0,0	0,0	0,0
B271	2,300	7	CO1/5	CS16 - Rectangle (300; 200)	C25/30	**-1,1**	0,0	0,0	0,0
B270	1,680	5	CO1/10	CS16 - Rectangle (300; 200)	C25/30	**1,0**	0,0	0,0	0,0
B291	8,760+	1	CO1/5	CS19 - Rectangle (800; 500)	C25/30	**-9,5**	0,0	0,0	0,0
B291	8,760+	5	CO1/5	CS19 - Rectangle (800; 500)	C25/30	**9,4**	0,0	0,0	0,0
B300	7,140+	5	CO1/15	CS21 - Rectangle (800; 600)	C25/30	**-8,4**	0,0	0,0	0,0
B300	7,140+	1	CO1/15	CS21 - Rectangle (800; 600)	C25/30	**8,0**	0,0	0,0	0,0
B349	23,600	5	CO1/2	CS11 - Rectangle (155; 200)	C25/30	**-9,2**	0,0	0,0	0,0
B349	23,600	1	CO1/2	CS11 - Rectangle (155; 200)	C25/30	**9,9**	0,0	0,0	0,0

Name	Combination key
CO1/1	LC1 + LC2 + 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 + Equivalent

Name	Combination key
	lateral forces for LC11 - Accidental torsional moments for LC11
CO1/2	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
CO1/3	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
CO1/4	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/5	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/6	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
CO1/7	LC1 + LC2 + 0.30*LC9 - 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
CO1/8	LC1 + LC2 + 0.30*LC9 - Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
CO1/9	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/10	LC1 + LC2 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/11	LC1 + LC2 + 0.30*LC9 - 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/12	LC1 + LC2 - Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
CO1/13	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
CO1/14	LC1 + LC2 + Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
CO1/15	LC1 + LC2 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 + Accidental torsional moments for LC11



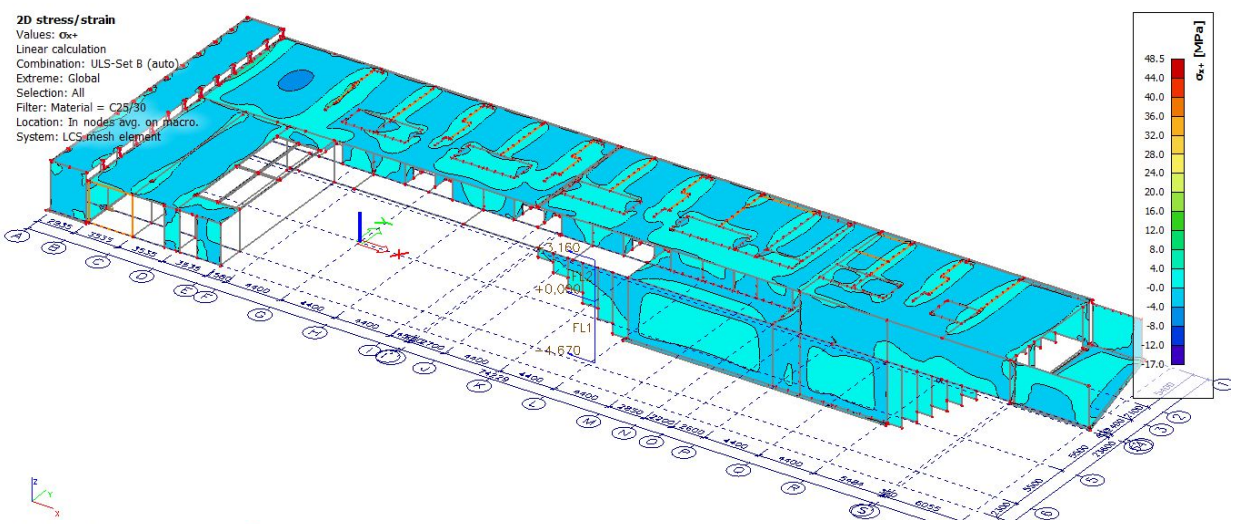
6.3.2 Elementi 2D

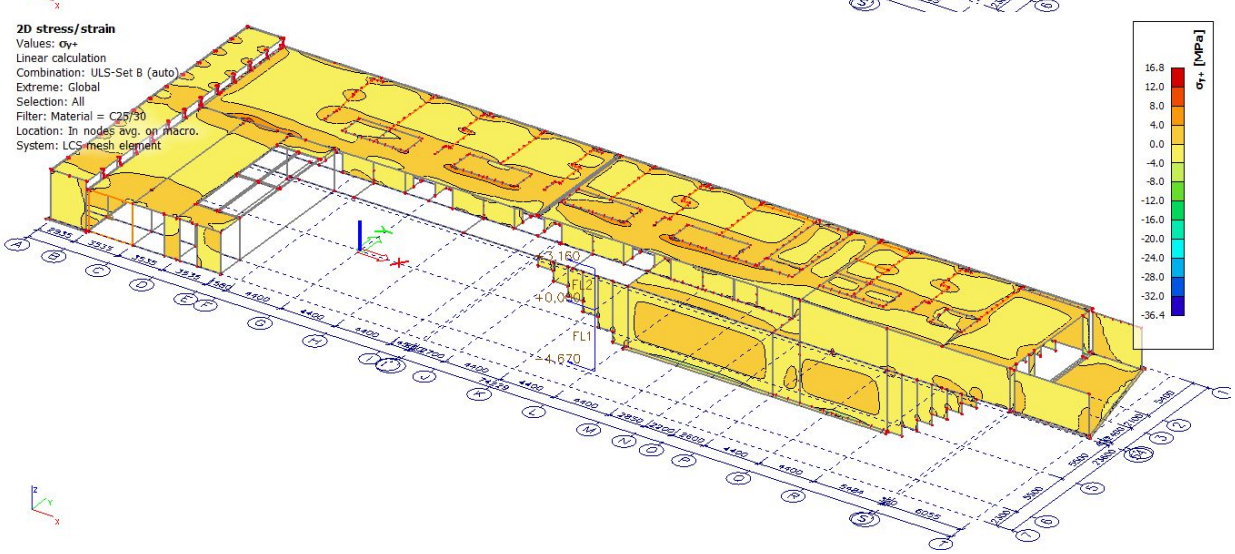
Linear calculation
Combination: SEIS_F; Extreme: Global; Selection: All
Filter: Material = C25/30; Location: In nodes avg. on macro. System: LCS mesh element
Basic stress

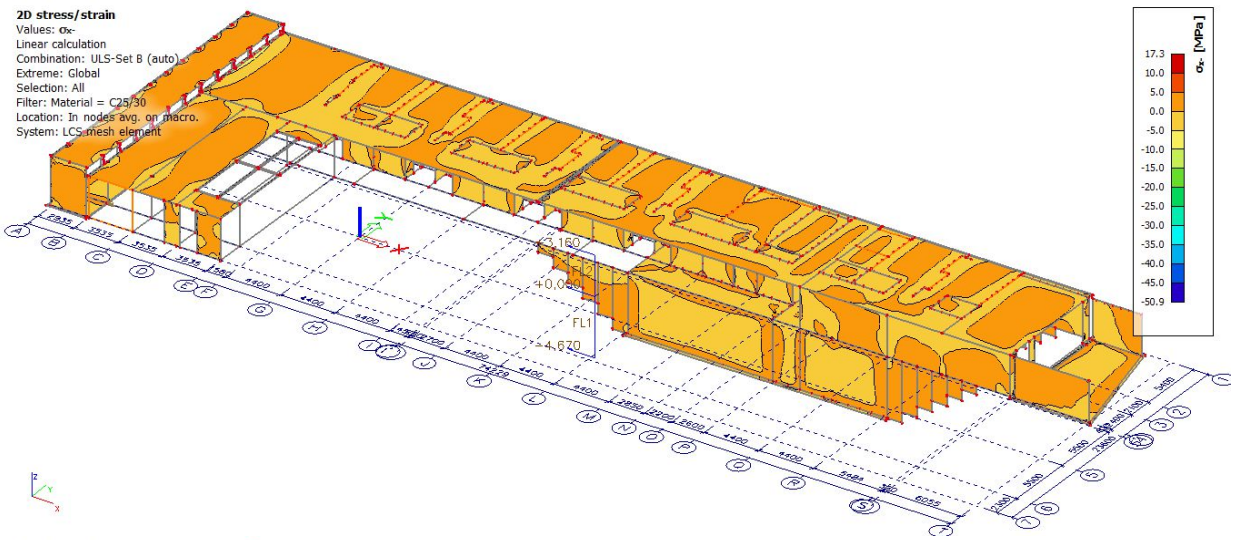
Name	Case	σ_{x+} [MPa] σ_{x-} [MPa]	σ_{y+} [MPa] σ_{y-} [MPa]	τ_{xy+} [MPa] τ_{xy-} [MPa]	τ_{xz} [MPa]	τ_{yz} [MPa]
S160	ULS-Set B (auto)/1	**48,5** **-50,9**	**-36,4** **35,8**	-2,8 2,2	0,1	-0,1
S169	ULS-Set B (auto)/2	1,3 -4,9	**16,8** -12,1	-0,1 -0,2	0,0	-1,7
S161	ULS-Set B (auto)/3	6,3 -8,3	2,4 **-16,9**	0,2 5,1	1,9	-2,9
S160	ULS-Set B (auto)/4	**-17,0** 15,2	-10,1 6,7	**-9,9** 8,1	-5,8	-2,8

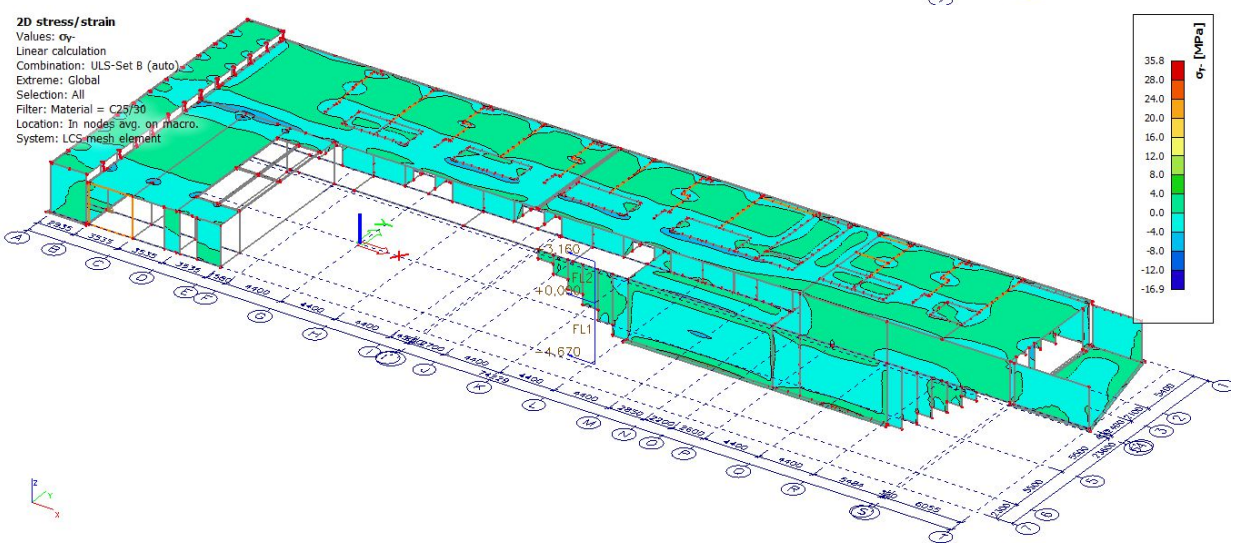
Name	Case	σ_{x+} [MPa] σ_{x-} [MPa]	σ_{y+} [MPa] σ_{y-} [MPa]	T_{xy+} [MPa] T_{xy-} [MPa]	T_{xz} [MPa]	T_{yz} [MPa]
S170	ULS-Set B (auto)/4	6,9 -6,7	5,3 -5,2	**5,6** -5,8	0,0	1,3
S160	ULS-Set B (auto)/4	-10,1 14,8	-6,5 10,2	5,4 **-8,3**	-4,8	2,6
S169	ULS-Set B (auto)/1	-2,3 -7,5	-1,2 -9,9	1,8 **8,1**	1,5	-1,9
S160	ULS-Set B (auto)/4	-16,7 **17,3**	-1,8 3,8	3,4 -4,3	**-6,3**	0,7
S119	ULS-Set B (auto)/5	-6,5 2,6	-19,0 3,2	-5,5 2,1	**3,9**	1,4
S131	ULS-Set B (auto)/6	0,6 -0,4	5,0 -4,1	-0,4 0,2	0,5	**-3,9**
S162	ULS-Set B (auto)/7	-8,3 0,2	-2,0 12,3	-4,7 1,0	2,1	**4,8**

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 1.05*LC8
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 1.05*LC7
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC7
ULS-Set B (auto)/6	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC7
ULS-Set B (auto)/7	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5









OPOMBA!

Napetosti v nekaterih AB elementih so večje od dovoljenih vendar so te vrednosti le v vozliščih kjer prihaja do singularnosti.

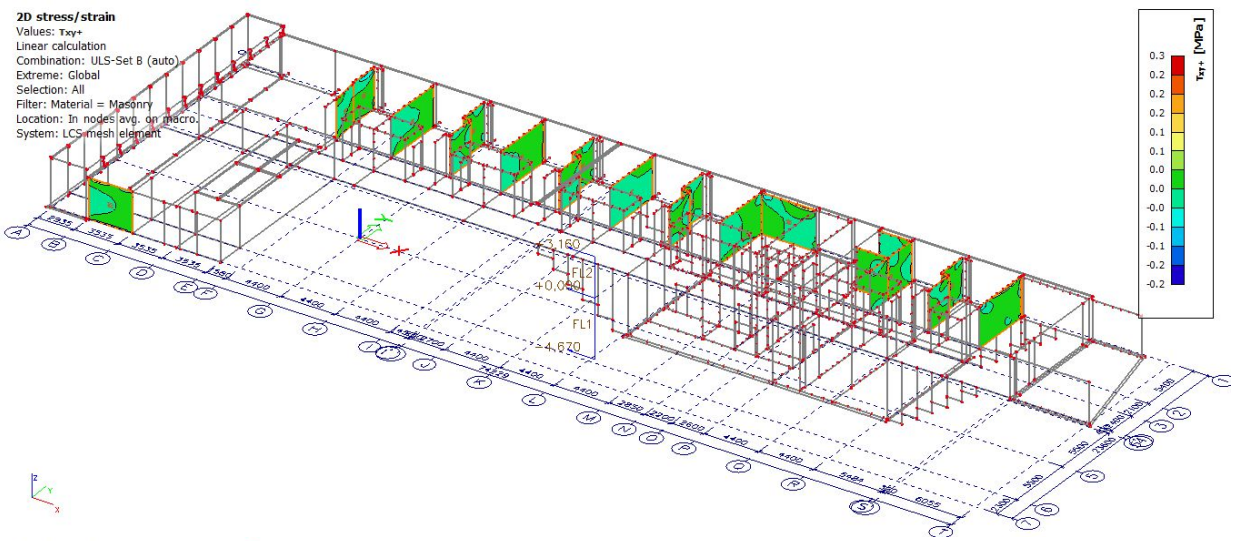
Filter: Material = Masonry
Location: In nodes avg. on macro. System: LCS mesh element

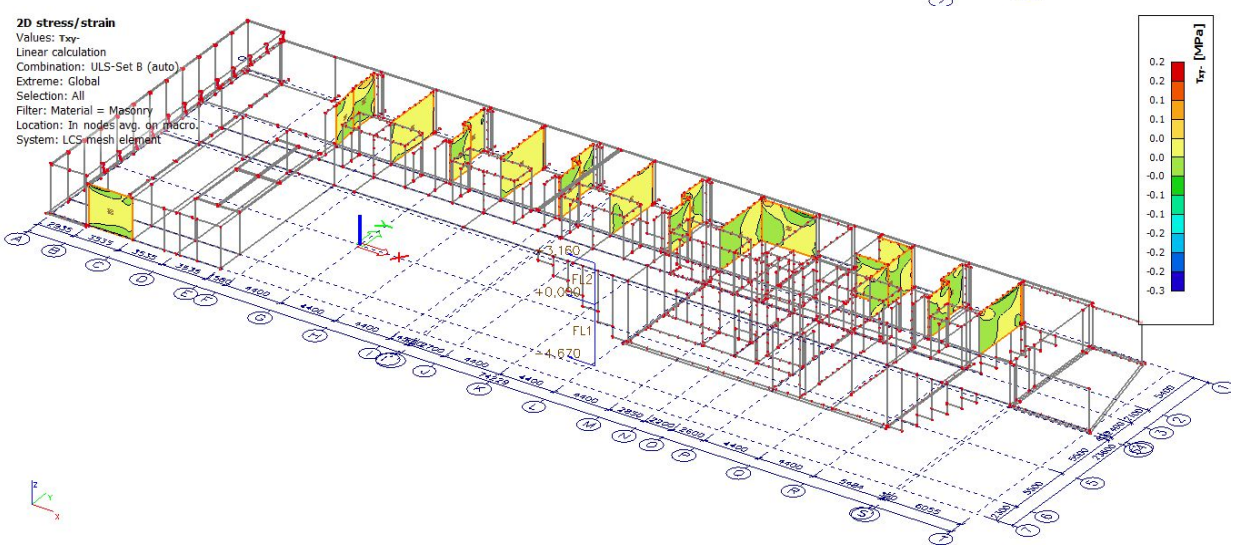
Basic stress

Name	Case	σ_{x+} [MPa] σ_{x-} [MPa]	σ_{y+} [MPa] σ_{y-} [MPa]	τ_{xy+} [MPa] τ_{xy-} [MPa]	τ_{xz} [MPa]	τ_{yz} [MPa]
S52	ULS-Set B (auto)/1	**-0,3** 0,3	-0,3 0,1	0,0 0,0	0,0	0,0
S116	ULS-Set B (auto)/2	0,1 **-0,3**	0,0 -0,2	0,1 -0,1	0,0	-0,1
S116	ULS-Set B (auto)/3	-0,1 **0,4**	-0,1 -0,1	0,1 -0,1	0,1	-0,1
S116	ULS-Set B (auto)/1	-0,2 -0,2	**-0,8** 0,3	0,0 0,0	-0,1	-0,2
S117	ULS-Set B (auto)/4	0,1 -0,2	**0,5** -0,7	0,0 0,0	0,0	-0,2
S116	ULS-Set B (auto)/1	-0,2 0,1	-0,5 **0,6**	-0,1 0,1	-0,1	-0,1
S110	ULS-Set B (auto)/5	-0,1 0,0	-0,4 0,1	**-0,2** **0,2**	-0,1	-0,2
S116	ULS-Set B	**0,7**	0,1	**0,3**	**-0,1**	-0,2

Name	Case	σ_{x+} [MPa] σ_{x-} [MPa]	σ_{y+} [MPa] σ_{y-} [MPa]	τ_{xy+} [MPa] τ_{xy-} [MPa]	τ_{xz} [MPa]	τ_{yz} [MPa]
	(auto)/3	0,3	-0,3	**-0,3**		
S52	ULS-Set B	-0,2	-0,4	0,1	**0,1**	0,1
	(auto)/1	0,2	0,2	-0,1		
S117	ULS-Set B	0,1	0,5	0,0	0,0	**-0,2**
	(auto)/6	-0,2	**-0,7**	0,0		
S83	ULS-Set B	-0,1	0,1	0,0	0,0	**0,1**
	(auto)/7	-0,2	-0,6	0,0		

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC8
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC7
ULS-Set B (auto)/5	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.90*LC6 + 1.50*LC7
ULS-Set B (auto)/6	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC8
ULS-Set B (auto)/7	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5





6.4 KONTAKTNI TLAKI

6.4.1 Elementi 1D – pasovni temelji

Linear calculation
Combination: CO1; System: Global
Extreme: Global; Selection: All

Linear Intensity

Name	dx [m]	Case	R_x [kN/m]	R_y [kN/m]	R_z [kN/m]	M_x [kNm/m]	M_y [kNm/m]	M_z [kNm/m]
Slb54/B300	5,250	CO1/1	**-7,48**	1,65	36,20	0,00	-0,04	0,00
Slb54/B300	5,040-	CO1/2	**7,45**	-1,50	36,37	0,00	0,04	**0,00**
Slb48/B294	4,399	CO1/3	-1,12	**-8,96**	18,09	0,08	0,00	0,00
Slb49/B295	0,000	CO1/4	-1,44	**9,21**	27,71	-0,08	0,00	0,00
Slb87/B333	0,000	CO1/5	-2,23	6,47	**-4,82**	0,00	-0,04	0,00
Slb11/B101	1,075	CO1/6	1,57	2,35	**54,72**	-0,14	0,00	0,00
Slb24/B83	1,200	CO1/4	-1,97	2,56	53,37	**-0,33**	0,00	0,00
Slb25/B95	1,200	CO1/7	1,65	-2,41	45,45	**0,31**	0,00	0,00
Slb84/B330	0,000	CO1/8	-6,85	-1,53	48,18	0,00	**-0,17**	0,00
Slb84/B330	0,000	CO1/9	7,22	1,77	10,78	0,00	**0,16**	0,00

Reactions on line supports

Name	dx [m]	Case	R_x [kN]	R_y [kN]	R_z [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	e [mm]
Slb94/B340	12,300	CO1/10	**-6,11**	-1,28	27,91	0,00	0,01	0,00	0,2
Slb94/B340	3,300	CO1/11	**6,39**	1,51	27,30	0,00	0,07	**0,00**	2,5
Slb78/B324	13,065	CO1/12	1,21	**-7,59**	13,55	0,05	0,00	0,00	3,7
Slb78/B324	13,065	CO1/13	-1,03	**7,67**	27,61	0,04	0,00	0,00	1,3
Slb28/B129	0,120-	CO1/5	-0,89	2,78	**-0,72**	0,00	0,00	0,00	5,7
Slb94/B340	12,300	CO1/14	1,88	6,34	**37,45**	0,00	-0,02	0,00	-0,6
Slb24/B83	0,960	CO1/4	-0,47	0,63	12,82	**-0,08**	0,00	0,00	-6,0
Slb78/B324	20,105	CO1/15	-1,10	-6,77	10,09	**0,08**	0,00	0,00	7,8
Slb28/B129	1,056	CO1/12	1,49	-5,00	16,13	0,00	**-0,09**	0,00	5,6
Slb84/B330	3,250	CO1/9	6,12	1,73	13,60	0,00	**0,12**	0,00	8,5

Name	Combination key
CO1/1	LC1 + LC2 + Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
CO1/2	LC1 + LC2 + 0.30*LC9 - Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
CO1/3	LC1 + LC2 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/4	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
CO1/5	LC1 + LC2 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/6	LC1 + LC2 + 0.30*LC9 - 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
CO1/7	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/8	LC1 + LC2 + Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
CO1/9	LC1 + LC2 + 0.30*LC9 - Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
CO1/10	LC1 + LC2 + 0.30*LC9 + Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
CO1/11	LC1 + LC2 - Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
CO1/12	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
CO1/13	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/14	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/15	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 + Accidental torsional moments for LC11

6.4.2 Elementi 2D – temeljne plošče

Linear calculation
Combination: SEIS_F; Extreme: Global; Selection: All
Location: In nodes avg.. System: LCS mesh element

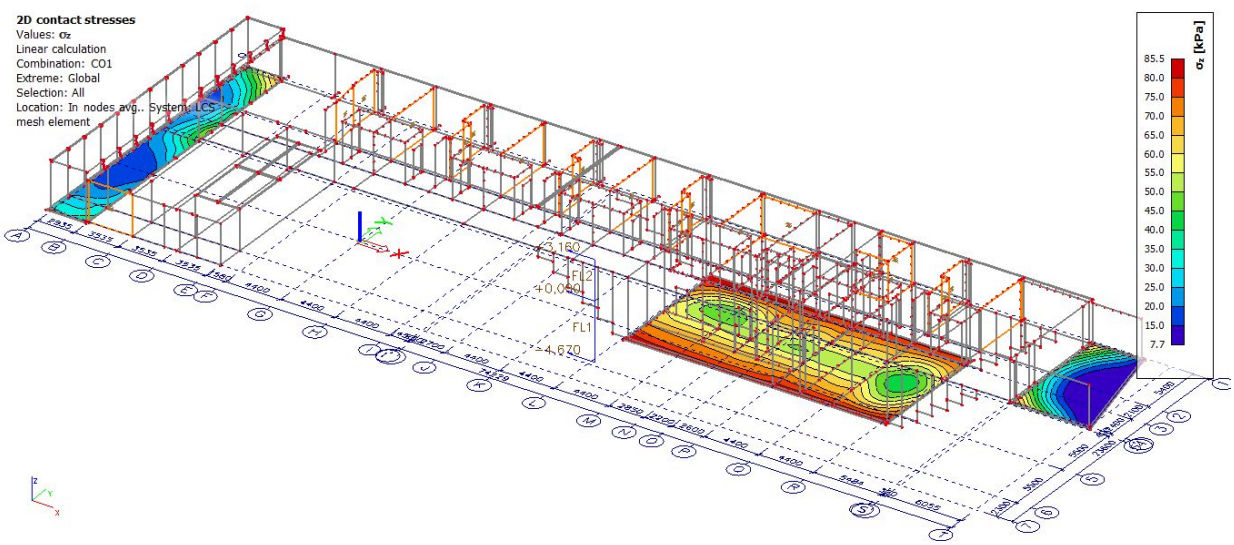
Name	Mesh	Case	τ_{zx} [kPa]	τ_{yz} [kPa]	σ_z [kPa]
S32	Node: 108	CO1/1	**-8,7**	-1,4	59,5
S32	Node: 7941	CO1/2	**8,7**	-1,7	42,5

Name	Mesh	Case	τ_{zx} [kPa]	τ_{yz} [kPa]	σ_z [kPa]
S160	Node: 500	CO1/3	2,5	**-10,9**	54,6
S160	Node: 500	CO1/4	-2,6	**10,8**	12,6
S160	Node: 29364	CO1/5	-2,8	10,8	**-6,2**
S32	Node: 8122	CO1/6	2,8	-8,3	**85,5**

Name	Combination key
CO1/1	LC1 + LC2 + 0.30*LC9 + Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
CO1/2	LC1 + LC2 - Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
CO1/3	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
CO1/4	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/5	LC1 + LC2 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
CO1/6	LC1 + LC2 + 0.30*LC9 - 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 + Accidental torsional moments for LC11

OPOMBA!

Kontaktni tlaki so pri potresnem projektnem stanju v mejah dopustnih napetosti!



7.0) DIMENZIONIRANJE AB ELEMENTOV KONSTRUKCIJE

7.1. KLET - TEMELJNA PLOŠČA

7.1.1. Internal forces (Design)

Linear calculation
Class: All ULS; Coordinate system: Member
Extreme 1D: Cross-section; Selection: All

Name	dx [m]	Case	Cross-section	N [kN] N_{Ed} [kN]	V_y [kN] V_{Edy} [kN]	V_z [kN] V_{Edz} [kN]	M_x [kNm] M_{Edx} [kNm]	M_y [kNm] M_{Edy} [kNm]	M_z [kNm] M_{Edz} [kNm]
B140	0,000	ULS-Set B (auto)/1	CS9 - Rectangle (300; 500)	**-174,47** **-174,47**	6,02 6,02	-62,18 -62,18	-2,26 -2,26	66,83 66,83	-1,95 -1,95
B133	11,650+	ULS-Seis (auto)/2	CS9 - Rectangle (300; 500)	**143,33** **143,33**	-9,74 -9,74	-13,89 -13,89	-3,16 -3,16	8,19 8,80	1,96 2,24
B133	16,450+	ULS-Set B (auto)/1	CS9 - Rectangle (300; 500)	-28,12 -28,12	**-48,56** **-48,56**	13,22 13,22	10,41 10,41	0,85 2,49	10,71 11,89
B133	16,450-	ULS-Set B (auto)/3	CS9 - Rectangle (300; 500)	-7,42 -7,42	**51,27** **51,27**	-7,66 -7,66	-11,75 -11,75	2,32 2,64	11,87 11,87
B145	0,000	ULS-Set B (auto)/4	CS9 - Rectangle (300; 500)	-56,14 -56,14	-1,51 -1,51	**-107,50** **-107,50**	-1,39 -1,39	35,97 35,97	-0,26 -0,26
B139	2,060-	ULS-Seis (auto)/5	CS9 - Rectangle (300; 500)	-3,15 -3,15	12,77 12,77	**74,18** **74,18**	-0,50 -0,50	-2,99 -9,72	-0,40 -0,58
B134	0,752-	ULS-Seis (auto)/2	CS9 - Rectangle (300; 500)	-27,54 -27,54	-11,36 -11,36	27,01 27,01	**-15,90** **-15,90**	-1,08 -1,47	-2,21 -4,21
B133	20,117-	ULS-Seis (auto)/2	CS9 - Rectangle (300; 500)	51,33 51,33	17,66 17,66	-18,03 -18,03	**15,75** **15,75**	-1,50 -1,61	1,36 1,80
B140	8,242-	ULS-Seis (auto)/2	CS9 - Rectangle (300; 500)	67,37 67,37	-10,04 -10,04	-13,32 -13,32	6,41 6,41	**-34,57** **-34,57**	0,50 0,70
B140	0,000	ULS-Set B (auto)/6	CS9 - Rectangle (300; 500)	-174,12 -174,12	4,27 4,27	-64,94 -64,94	-2,67 -2,67	**67,81** **67,81**	-2,00 -2,00
B134	9,520-	ULS-Seis (auto)/7	CS9 - Rectangle (300; 500)	-14,17 -14,17	-22,49 -22,49	-9,87 -9,87	3,41 3,41	-1,83 -1,83	**-8,37** **-8,37**
B133	16,450-	ULS-Set B (auto)/1	CS9 - Rectangle (300; 500)	-30,20 -30,20	49,82 49,82	-6,44 -6,44	-12,05 -12,05	2,15 2,49	**11,89** **11,89**

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC6
ULS-Seis (auto)/2	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Set B (auto)/3	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 0.90*LC6 + 1.50*LC7
ULS-Set B (auto)/4	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5
ULS-Seis (auto)/5	LC1 + LC2 + 0.30*LC9 - 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Set B (auto)/6	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6
ULS-Seis (auto)/7	LC1 + LC2 - Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11

7.1.2. Overall Design (ULS)

Linear calculation
Class: All ULS; Coordinate system: Member
Extreme 1D: Member; Selection: All

Longitudinal required reinforcement

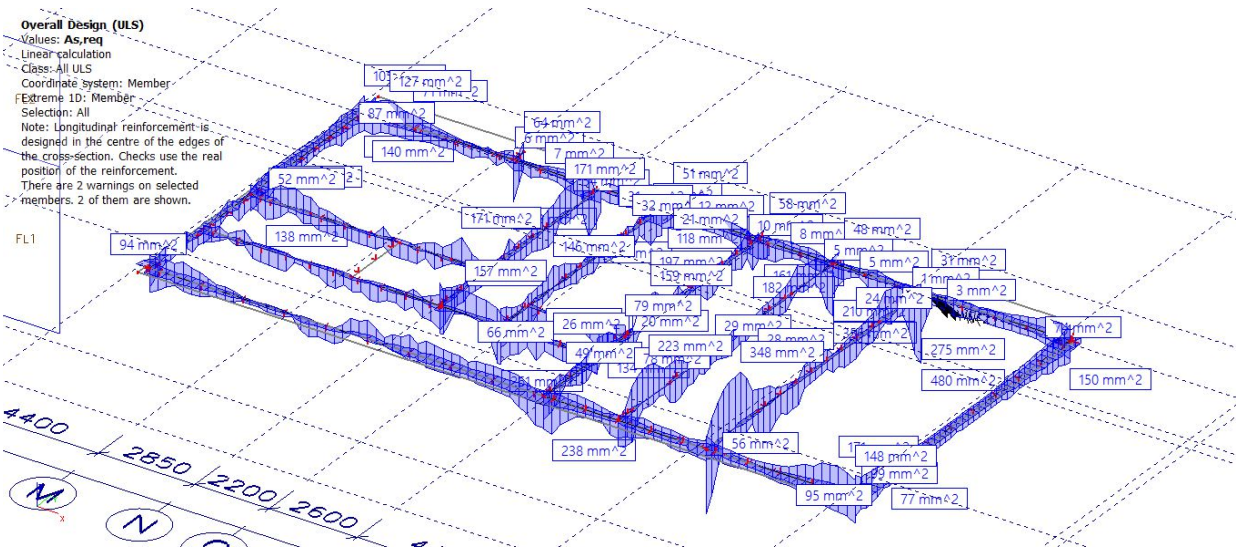
Name	dx [m]	Case	Member	$A_{sz,req+}$ [mm²]	$A_{sz,req-}$ [mm²]	$A_{sy,req+}$ [mm²]	$A_{sy,req-}$ [mm²]	$A_{sz,req}$ [mm²]	$A_{sy,req}$ [mm²]	$A_{s,req}$ [mm²]
B133	11,894-	All ULS	Beam	36	**238**	66	90	274	156	430
B133	20,361-	All ULS	Beam	**171**	136	75	92	**307**	167	474
B133	20,850	All ULS	Beam	117	175	**98**	**95**	292	**193**	**485**
B134	9,520-	All ULS	Beam	103	**150**	68	70	253	138	391
B134	9,269-	All ULS	Beam	85	139	**74**	67	224	141	365
B134	0,000	All ULS	Beam	**148**	131	71	**77**	**279**	**148**	**427**
B135	20,117-	All ULS	Beam	**127**	98	64	**71**	**225**	135	360
B135	20,606-	All ULS	Beam	81	**140**	**87**	66	221	**153**	**374**
B136	4,764-	All ULS	Beam	64	117	**70**	38	181	108	289
B136	10,000	All ULS	Beam	83	130	30	**94**	213	**124**	337
B136	0,480+	All ULS	Beam	**105**	**132**	61	61	**237**	122	**359**
B137	7,734-	All ULS	Beam	**157**	0	24	9	157	33	190

Name	dx [m]	Case	Member	$A_{sz,req+}$ [mm²]	$A_{sz,req-}$ [mm²]	$A_{sy,req+}$ [mm²]	$A_{sy,req-}$ [mm²]	$A_{sz,req}$ [mm²]	$A_{sy,req}$ [mm²]	$A_{s,req}$ [mm²]
B137	9,836-	All ULS	Beam	5	158	**46**	25	163	71	234
B137	8,800-	All ULS	Beam	75	**261**	24	**66**	336	**90**	426
B137	8,700-	All ULS	Beam	107	260	22	64	**367**	86	**453**
B138	4,710-	All ULS	Beam	**159**	42	12	14	201	26	227
B138	9,266-	All ULS	Beam	7	**182**	17	4	189	21	210
B138	1,666-	All ULS	Beam	48	108	**49**	29	156	78	234
B138	2,380+	All ULS	Beam	127	95	22	**78**	**222**	**100**	**322**
B139	1,340-	All ULS	Beam	**223**	56	6	2	279	8	287
B139	4,858-	All ULS	Beam	19	112	**29**	**28**	131	**57**	188
B139	9,520	All ULS	Beam	35	**356**	8	11	**391**	19	**410**
B140	7,987-	All ULS	Beam	**348**	105	19	19	453	38	491
B140	0,000	All ULS	Beam	0	**480**	21	0	480	21	501
B140	1,584-	All ULS	Beam	183	34	28	**24**	217	52	269
B140	9,264-	All ULS	Beam	180	335	35	0	**515**	35	550
B140	9,520	All ULS	Beam	63	438	**56**	17	501	**73**	**574**
B141	5,570-	All ULS	Beam	**171**	74	22	23	245	45	290
B141	6,600-	All ULS	Beam	155	**265**	**54**	**31**	**420**	**85**	**505**
B142	2,330-	All ULS	Beam	**146**	23	0	0	169	0	169
B142	6,632-	All ULS	Beam	12	**197**	7	8	209	15	224
B142	6,378-	All ULS	Beam	25	131	**32**	**21**	156	**53**	209
B142	0,000	All ULS	Beam	114	149	21	10	**263**	31	**294**
B143	6,240-	All ULS	Beam	**171**	19	15	22	190	37	227
B143	0,445-	All ULS	Beam	62	**138**	35	20	200	55	255
B143	6,990	All ULS	Beam	11	59	20	**34**	70	54	124
B143	0,890-	All ULS	Beam	125	85	9	17	**210**	26	236
B143	0,222-	All ULS	Beam	58	99	**52**	17	157	**69**	226
B143	0,667-	All ULS	Beam	89	117	41	21	206	62	**268**
B144	2,332-	All ULS	Beam	43	**134**	4	8	177	12	189
B144	1,295-	All ULS	Beam	7	73	11	**26**	80	**37**	117
B144	2,850	All ULS	Beam	**79**	107	**20**	13	**186**	33	**219**
B145	0,480	All ULS	Beam	**31**	134	0	0	165	0	165
B145	0,000	All ULS	Beam	0	**275**	**1**	**3**	**275**	**4**	**279**
B146	0,480	All ULS	Beam	**48**	165	4	4	213	8	221
B146	0,000	All ULS	Beam	39	**210**	**5**	**5**	**249**	**10**	**259**
B147	0,000	All ULS	Beam	30	128	**10**	0	158	10	168
B147	0,240-	All ULS	Beam	39	**161**	3	**8**	200	**11**	211
B147	0,480	All ULS	Beam	**58**	160	3	3	**218**	6	**224**
B148	0,240-	All ULS	Beam	35	**118**	2	4	153	6	159
B148	0,000	All ULS	Beam	33	111	**3**	**12**	144	**15**	159
B148	0,480	All ULS	Beam	**51**	115	1	0	**166**	1	**167**
B149	0,480	All ULS	Beam	**64**	105	**6**	**6**	169	**12**	181
B149	0,000	All ULS	Beam	14	**289**	4	4	**303**	8	**311**

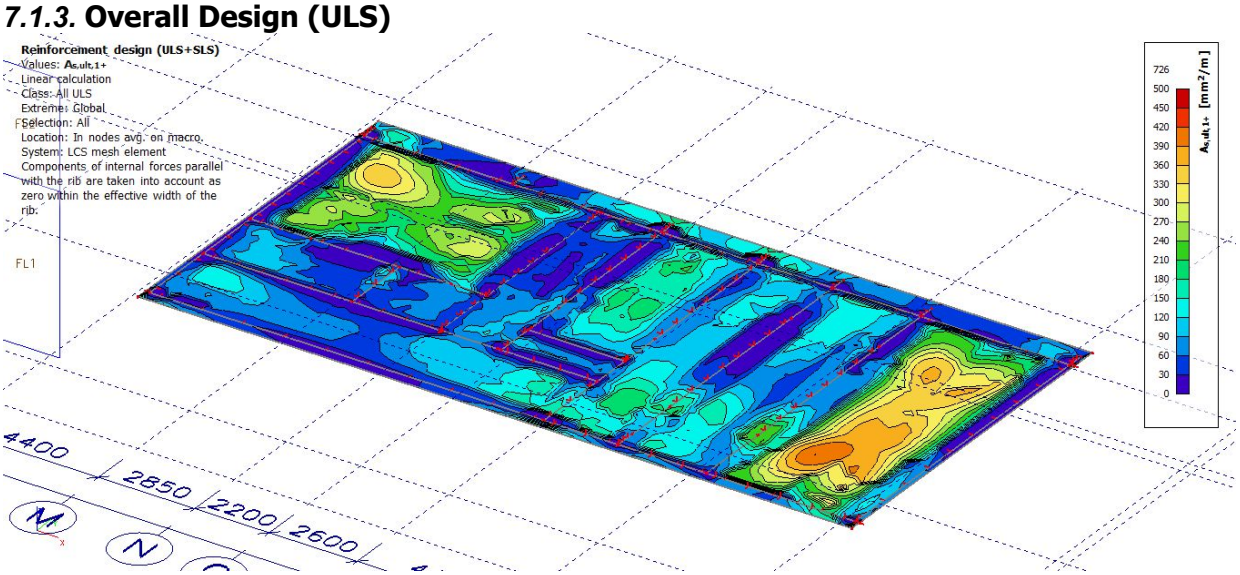
Shear required reinforcement

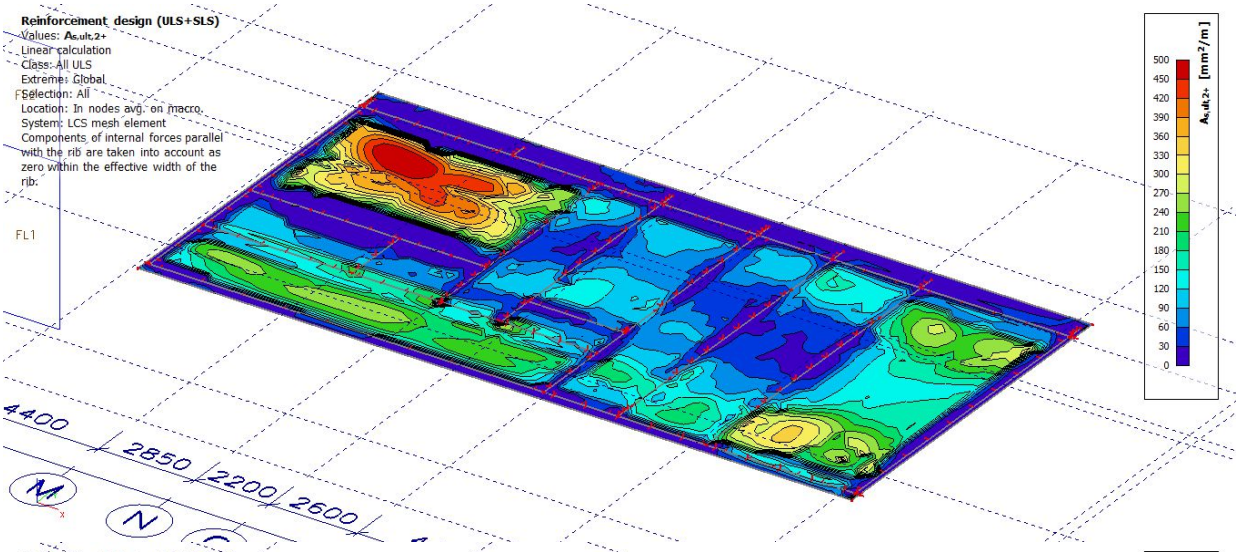
Name	dx [m]	Case	Member	$A_{swm,req}$ [mm²/m]	$A_{swm,req}(\phi/s)$
B133	0,496-	All ULS	Beam	**503**	**ϕ8/200mm, (ns=2)**
B133	20,606-	All ULS	Beam	**628**	**ϕ8/160mm, (ns=2)**
B134	1,253-	All ULS	Beam	**503**	**ϕ8/200mm, (ns=2)**
B134	0,000	All ULS	Beam	**920**	**ϕ8/109mm, (ns=2)**
B135	0,000	All ULS	Beam	**503**	**ϕ8/200mm, (ns=2)**
B135	16,450-	All ULS	Beam	**893**	**ϕ8/113mm, (ns=2)**
B136	0,000	All ULS	Beam	**503**	**ϕ8/200mm, (ns=2)**
B136	0,480+	All ULS	Beam	**867**	**ϕ8/116mm, (ns=2)**
B137	0,000	All ULS	Beam	**503**	**ϕ8/200mm, (ns=2)**
B137	4,156-	All ULS	Beam	**668**	**ϕ8/150mm, (ns=2)**
B138	0,000	All ULS	Beam	**503**	**ϕ8/200mm, (ns=2)**
B138	2,380+	All ULS	Beam	**664**	**ϕ8/151mm, (ns=2)**
B139	0,620-	All ULS	Beam	**503**	**ϕ8/200mm, (ns=2)**
B139	0,860-	All ULS	Beam	**731**	**ϕ8/137mm, (ns=2)**
B140	1,056-	All ULS	Beam	**503**	**ϕ8/200mm, (ns=2)**
B140	7,476-	All ULS	Beam	**934**	**ϕ8/108mm, (ns=2)**
B141	0,262-	All ULS	Beam	**503**	**ϕ8/200mm, (ns=2)**
B141	6,343-	All ULS	Beam	**852**	**ϕ8/118mm, (ns=2)**
B142	1,610-	All ULS	Beam	**503**	**ϕ8/200mm, (ns=2)**
B142	1,370-	All ULS	Beam	**662**	**ϕ8/152mm, (ns=2)**

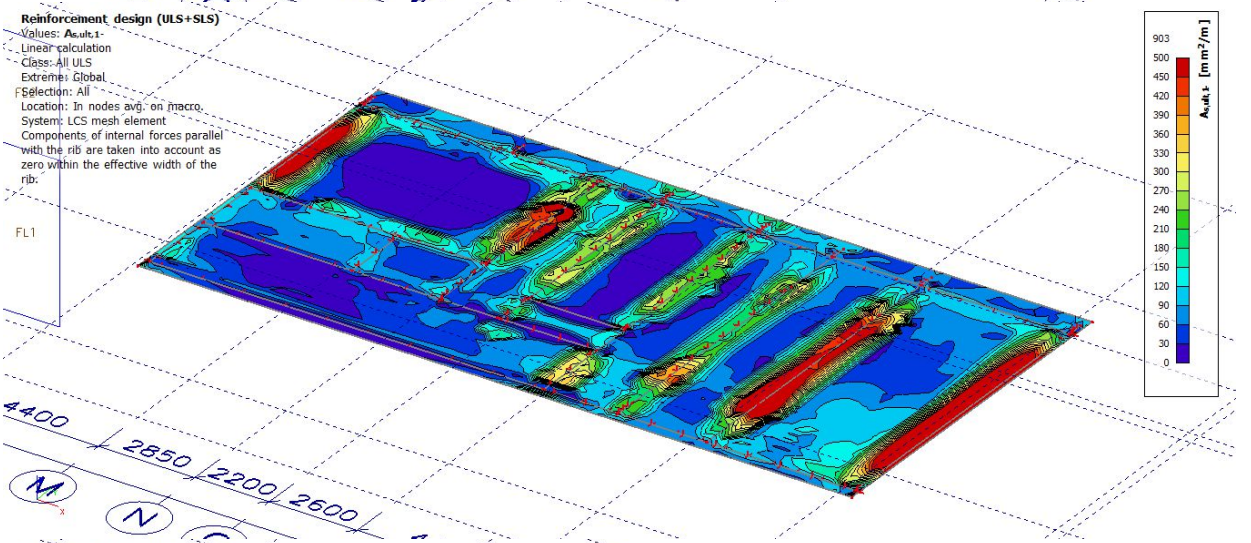
Name	dx [m]	Case	Member	$A_{swm,req}$ [mm²/m]	$A_{swm,req(\phi/s)}$
B143	1,115-	All ULS	Beam	**503**	**ϕ8/200mm, (ns=2)**
B143	0,000	All ULS	Beam	**927**	**ϕ8/108mm, (ns=2)**
B144	0,259-	All ULS	Beam	**503**	**ϕ8/200mm, (ns=2)**
B144	0,000	All ULS	Beam	**590**	**ϕ8/170mm, (ns=2)**
B145	0,480	All ULS	Beam	**544**	**ϕ8/185mm, (ns=2)**
B145	0,000	All ULS	Beam	**929**	**ϕ8/108mm, (ns=2)**
B146	0,480	All ULS	Beam	**518**	**ϕ8/194mm, (ns=2)**
B146	0,000	All ULS	Beam	**682**	**ϕ8/147mm, (ns=2)**
B147	0,000	All ULS	Beam	**503**	**ϕ8/200mm, (ns=2)**
B148	0,000	All ULS	Beam	**503**	**ϕ8/200mm, (ns=2)**
B148	0,480	All ULS	Beam	**669**	**ϕ8/150mm, (ns=2)**
B149	0,480	All ULS	Beam	**503**	**ϕ8/200mm, (ns=2)**
B149	0,000	All ULS	Beam	**864**	**ϕ8/116mm, (ns=2)**

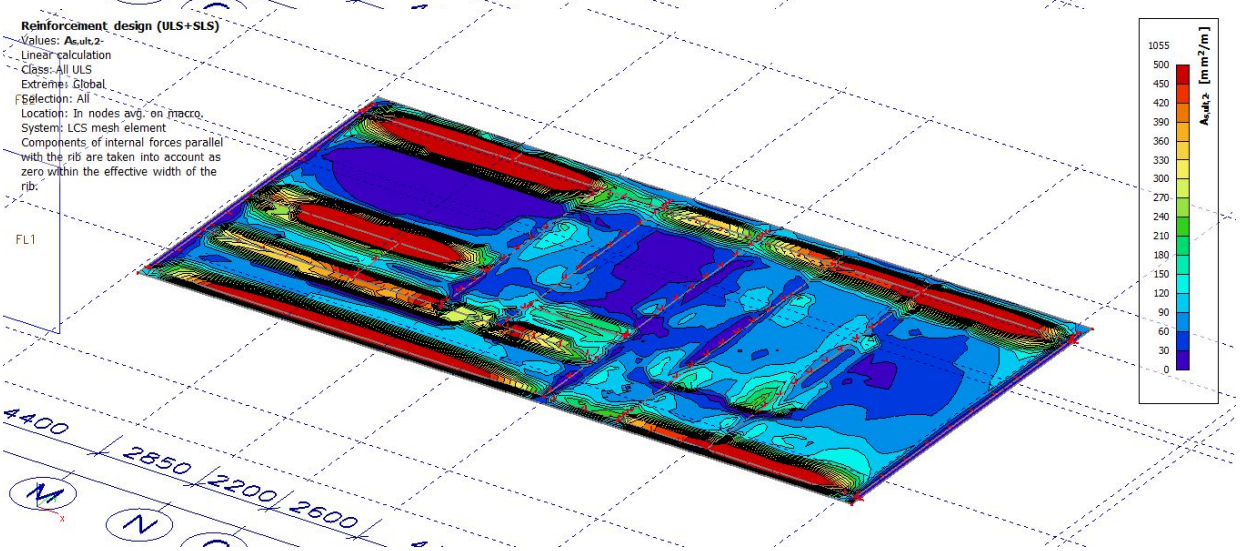


7.1.3. Overall Design (ULS)




Reinforcement design (ULS+SLS)
Values: As,ult,2+
Linear calculation
Class: All ULS
Extreme: Global
Selection: All
Location: In nodes avg. on macro
System: LCS mesh element
Components of internal forces parallel with the rib are taken into account as zero within the effective width of the rib.
FL1
500
450
420
390
360
330
300
270
240
210
180
150
120
90
60
30
0
As,ult,2+ [mm²/m]
4400
2850
2200
2600
M
N


Reinforcement design (ULS+SLS)
Values: As,ult,1-
Linear calculation
Class: All ULS
Extreme: Global
Selection: All
Location: In nodes avg. on macro
System: LCS mesh element
Components of internal forces parallel with the rib are taken into account as zero within the effective width of the rib.
FL1
903
500
450
420
390
360
330
300
270
240
210
180
150
120
90
60
30
0
As,ult,1- [mm²/m]
4400
2850
2200
2600
M
N


Reinforcement design (ULS+SLS)
Values: As,ult,2-
Linear calculation
Class: All ULS
Extreme: Global
Selection: All
Location: In nodes avg. on macro
System: LCS mesh element
Components of internal forces parallel with the rib are taken into account as zero within the effective width of the rib.
FL1
1055
500
450
420
390
360
330
300
270
240
210
180
150
120
90
60
30
0
As,ult,2- [mm²/m]
4400
2850
2200
2600
M
N

7.2. KLET – STENE IN TEMELJI

7.2.1. Internal forces (Design)

Linear calculation
Class: All ULS; Coordinate system: Member
Extreme 1D: Cross-section; Selection: All

Name	dx [m]	Case	Cross-section	N [kN] N_{Ed} [kN]	V_y [kN] V_{Edy} [kN]	V_z [kN] V_{Edz} [kN]	M_x [kNm] M_{Edx} [kNm]	M_y [kNm] M_{Edy} [kNm]	M_z [kNm] M_{Edz} [kNm]
B122	0,000	ULS-Seis (auto)/1	CS7 - Rectangle (300; 650)	**-108,71** **-108,71**	-2,47 -2,47	30,51 30,51	-2,66 -2,66	-4,83 -4,83	4,85 4,85
B95	0,000	ULS-Seis (auto)/2	CS7 - Rectangle (300; 650)	**222,48** **222,48**	10,20 10,20	-106,48 -106,48	3,80 3,80	13,94 13,94	-1,18 -1,18
B83	0,240-	ULS-Seis (auto)/3	CS7 - Rectangle (300; 650)	111,46 111,46	**-21,49** **-21,49**	-31,78 -31,78	-6,97 -6,97	-0,49 -1,26	6,70 10,43
B95	0,240-	ULS-Seis (auto)/4	CS7 - Rectangle (300; 650)	153,72 153,72	**18,22** **18,22**	-52,12 -52,12	7,16 7,16	0,87 6,40	-4,84 -7,63
B95	0,000	ULS-Seis (auto)/5	CS7 - Rectangle (300; 650)	221,93 221,93	10,15 10,15	**-106,60** **-106,60**	3,79 3,79	13,99 13,99	-1,15 -1,15
B94	0,800	ULS-Seis (auto)/2	CS7 - Rectangle (300; 650)	180,66 180,66	5,57 5,57	**137,19** **137,19**	0,05 0,05	18,69 18,69	6,05 6,05
B118	0,000	ULS-Seis (auto)/6	CS7 - Rectangle (300; 650)	172,47 172,47	-2,04 -2,04	-74,07 -74,07	**-12,95** **-12,95**	12,19 12,19	2,08 5,86
B92	0,800	LC11/7	CS7 - Rectangle (300; 650)	12,58 12,58	12,66 12,66	18,24 18,24	**9,83** **9,83**	2,15 2,15	5,85 5,85
B121	0,800	ULS-Seis (auto)/1	CS7 - Rectangle (300; 650)	-66,08 -66,08	-5,47 -5,47	-69,04 -69,04	-2,82 -2,82	**-9,97** **-9,97**	-3,40 -3,40
B92	0,800	ULS-Seis (auto)/5	CS7 - Rectangle (300; 650)	119,71 119,71	5,04 5,04	126,81 126,81	3,05 3,05	**18,84** **18,84**	2,43 2,43
B93	0,000	LC11/7	CS7 - Rectangle (300; 650)	27,77 27,77	3,65 3,65	-7,39 -7,39	4,15 4,15	0,27 0,27	**-15,42** **-15,42**
B93	0,000	ULS-Seis (auto)/1	CS7 - Rectangle (300; 650)	34,44 34,44	-0,22 -0,22	-16,27 -16,27	-2,32 -2,32	2,17 2,17	**18,69** **18,69**
B96	0,670	ULS-Seis (auto)/2	CS20 - Rectangle (300; 500)	**161,42** **161,42**	-3,08 -3,08	208,14 208,14	-7,08 -7,08	31,74 31,74	6,17 6,17
B123	0,223-	ULS-Seis (auto)/8	CS20 - Rectangle (300; 500)	45,23 45,23	**-18,09** **-18,09**	57,41 57,41	-3,09 -3,09	2,08 7,87	-11,56 -15,46
B123	0,000	LC11/7	CS20 - Rectangle (300; 500)	-3,90 -3,90	**15,20** **15,20**	-10,13 -10,13	3,18 3,18	-0,51 -1,11	3,46 5,98
B123	0,670	LC11/9	CS20 - Rectangle (300; 500)	88,24 88,24	-11,32 -11,32	141,13 141,13	**-12,76** **-12,76**	25,58 25,58	-7,93 -7,93
B123	0,670	ULS-Seis (auto)/10	CS20 - Rectangle (300; 500)	-31,17 -31,17	8,39 8,39	-64,71 -64,71	**13,92** **13,92**	-12,39 -12,39	-1,10 -1,10
B124	0,670	ULS-Seis (auto)/11	CS20 - Rectangle (300; 500)	**-128,41** **-128,41**	-6,55 -6,55	**-209,53** **-209,53**	0,05 0,05	**-39,46** **-39,46**	-7,33 -7,33
B124	0,670	ULS-Seis (auto)/12	CS20 - Rectangle (300; 500)	97,79 97,79	6,82 6,82	**233,09** **233,09**	-1,39 -1,39	**42,10** **42,10**	12,10 12,10
B84	0,670	ULS-Seis (auto)/6	CS20 - Rectangle (300; 500)	136,58 136,58	-5,75 -5,75	207,05 207,05	9,54 9,54	31,83 31,83	**-18,17** **-18,17**
B96	0,670	ULS-Seis (auto)/13	CS20 - Rectangle (300; 500)	123,65 123,65	6,94 6,94	170,62 170,62	-3,86 -3,86	26,31 26,31	**15,82** **15,82**

Name	Combination key
ULS-Seis (auto)/1	LC1 + LC2 + 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Seis (auto)/2	LC1 + LC2 + 0.30*LC9 - Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
ULS-Seis (auto)/3	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Seis (auto)/4	LC1 + LC2 + 0.30*LC9 - 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
ULS-Seis (auto)/5	LC1 + LC2 - Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
ULS-Seis (auto)/6	LC1 + LC2 + 0.30*LC9 - 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
LC11/7	Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
ULS-Seis (auto)/8	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for

Name	Combination key
	LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
LC11/9	- Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
ULS-Seis (auto)/10	LC1 + LC2 + 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Seis (auto)/11	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
ULS-Seis (auto)/12	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Seis (auto)/13	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 + Accidental torsional moments for LC11

7.2.2. Overall Design (ULS)

Linear calculation
Class: All ULS; Coordinate system: Member
Extreme 1D: Member; Selection: All

Longitudinal required reinforcement

Name	dx [m]	Case	Member	$A_{sz,req+}$ [mm²]	$A_{sz,req-}$ [mm²]	$A_{sy,req+}$ [mm²]	$A_{sy,req-}$ [mm²]	$A_{sz,req}$ [mm²]	$A_{sy,req}$ [mm²]	$A_{s,req}$ [mm²]
B73	0,806-	All ULS	Beam	**103**	5	22	**88**	108	110	218
B73	1,075	All ULS	Beam	71	22	**53**	81	93	**134**	227
B73	0,000	All ULS	Beam	52	**116**	17	67	**168**	84	**252**
B74	0,267-	All ULS	Beam	**103**	0	74	19	103	93	196
B74	0,533-	All ULS	Beam	10	**147**	42	7	**157**	49	**206**
B74	0,000	All ULS	Beam	70	15	**87**	**22**	85	**109**	194
B75	0,720-	All ULS	Beam	**108**	1	14	**91**	109	105	214
B75	0,000	All ULS	Beam	0	**144**	5	58	**144**	63	207
B75	1,200	All ULS	Beam	68	33	**62**	62	101	**124**	**225**
B76	0,800	All ULS	Beam	12	**150**	48	6	**162**	54	216
B76	0,000	All ULS	Beam	11	32	66	**110**	43	**176**	219
B76	0,267-	All ULS	Beam	**85**	11	**96**	63	96	159	**255**
B77	0,720-	All ULS	Beam	**103**	11	24	90	114	114	228
B77	0,960-	All ULS	Beam	92	15	**38**	85	107	123	230
B77	1,200	All ULS	Beam	36	57	36	**100**	93	**136**	229
B77	0,000	All ULS	Beam	36	**161**	17	74	**197**	91	**288**
B78	0,267-	All ULS	Beam	**81**	17	**94**	68	98	162	260
B78	0,000	All ULS	Beam	19	10	82	**112**	29	**194**	223
B78	0,800	All ULS	Beam	9	**181**	60	20	**190**	80	**270**
B79	0,720-	All ULS	Beam	**88**	4	40	**95**	92	135	227
B79	1,200	All ULS	Beam	58	19	**77**	84	77	**161**	238
B79	0,000	All ULS	Beam	39	**198**	42	87	**237**	129	**366**
B80	0,267-	All ULS	Beam	**86**	6	**89**	54	92	143	235
B80	0,000	All ULS	Beam	32	22	78	**102**	54	**180**	234
B80	0,800	All ULS	Beam	12	**187**	54	24	**199**	78	**277**
B81	0,720-	All ULS	Beam	**89**	4	42	93	93	135	228
B81	1,200	All ULS	Beam	67	21	**74**	74	88	148	236
B81	0,000	All ULS	Beam	57	**258**	57	**117**	**315**	**174**	**489**
B82	0,267-	All ULS	Beam	**69**	2	72	14	71	86	157
B82	0,000	All ULS	Beam	45	16	**79**	**84**	61	**163**	224
B82	0,800	All ULS	Beam	0	**238**	66	18	**238**	84	**322**
B83	0,240-	All ULS	Beam	**153**	232	62	93	385	155	540
B83	0,000	All ULS	Beam	92	**346**	**86**	**119**	**438**	**205**	**643**
B84	0,000	All ULS	Beam	25	25	94	**88**	50	182	232
B84	0,670	All ULS	Beam	**167**	**514**	**159**	83	**681**	**242**	**923**
B85	0,537-	All ULS	Beam	**97**	19	75	4	116	79	195
B85	0,806-	All ULS	Beam	95	10	**84**	50	105	134	239
B85	1,075	All ULS	Beam	61	29	71	**67**	90	**138**	228
B85	0,000	All ULS	Beam	47	**121**	63	15	**168**	78	**246**
B86	0,267-	All ULS	Beam	**111**	10	18	52	121	70	191
B86	0,000	All ULS	Beam	58	11	14	**119**	69	**133**	202
B86	0,800	All ULS	Beam	26	**149**	**34**	29	**175**	63	**238**
B87	0,720-	All ULS	Beam	**130**	0	48	34	130	82	212
B87	0,960-	All ULS	Beam	96	11	**84**	28	107	112	219
B87	1,200	All ULS	Beam	64	35	61	**62**	99	**123**	222
B87	0,000	All ULS	Beam	0	**176**	66	10	**176**	76	**252**
B88	0,267-	All ULS	Beam	**76**	10	73	**82**	86	155	241
B88	0,000	All ULS	Beam	8	42	**117**	62	50	**179**	229

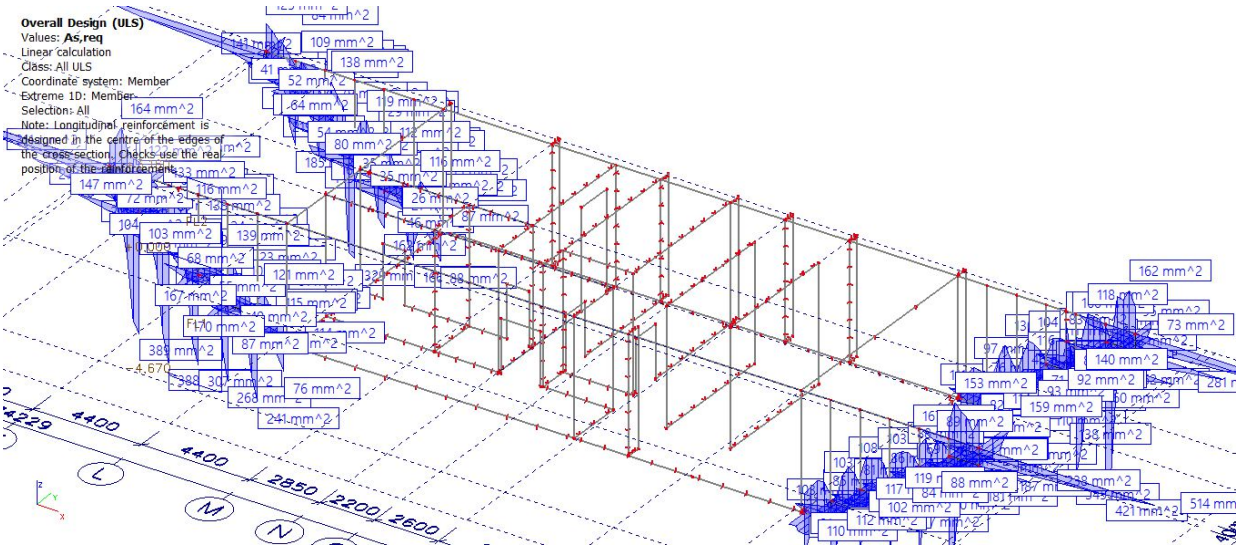
Name	dx [m]	Case	Member	$A_{sz,req+}$ [mm²]	$A_{sz,req-}$ [mm²]	$A_{sy,req+}$ [mm²]	$A_{sy,req-}$ [mm²]	$A_{sz,req}$ [mm²]	$A_{sy,req}$ [mm²]	$A_{s,req}$ [mm²]
B88	0,533-	All ULS	Beam	0	**160**	28	62	**160**	90	**250**
B89	0,480-	All ULS	Beam	**104**	24	79	11	128	90	218
B89	0,720-	All ULS	Beam	101	5	**86**	28	106	114	220
B89	1,200	All ULS	Beam	64	32	57	**76**	96	**133**	229
B89	0,000	All ULS	Beam	9	**171**	69	14	**180**	83	**263**
B90	0,000	All ULS	Beam	1	28	**108**	82	29	190	219
B90	0,267-	All ULS	Beam	**46**	15	80	**114**	61	**194**	255
B90	0,800	All ULS	Beam	16	**162**	15	64	**178**	79	**257**
B91	0,533-	All ULS	Beam	**83**	37	74	31	120	105	225
B91	0,000	All ULS	Beam	21	**110**	72	0	**131**	72	203
B91	1,200	All ULS	Beam	64	0	**83**	**93**	64	**176**	**240**
B92	0,267-	All ULS	Beam	**116**	13	27	**71**	129	98	227
B92	0,000	All ULS	Beam	32	45	**66**	63	77	**129**	206
B92	0,800	All ULS	Beam	32	**281**	31	42	**313**	73	**386**
B93	0,480-	All ULS	Beam	**118**	95	98	35	213	133	346
B93	1,200	All ULS	Beam	75	15	66	**77**	90	143	233
B93	0,000	All ULS	Beam	42	**345**	**109**	69	**387**	**178**	**565**
B94	0,267-	All ULS	Beam	**111**	30	19	82	141	101	242
B94	0,000	All ULS	Beam	63	18	**43**	**92**	81	**135**	216
B94	0,800	All ULS	Beam	0	**341**	35	67	**341**	102	**443**
B95	0,960-	All ULS	Beam	**162**	17	43	65	179	108	287
B95	0,000	All ULS	Beam	41	**421**	**95**	**87**	**462**	**182**	**644**
B96	0,000	All ULS	Beam	23	22	**73**	88	45	161	206
B96	0,670	All ULS	Beam	**160**	**520**	71	**140**	**680**	**211**	**891**
B100	0,240-	All ULS	Beam	51	**138**	**16**	1	189	**17**	206
B100	0,000	All ULS	Beam	**132**	84	11	**5**	**216**	16	**232**
B101	0,806-	All ULS	Beam	**121**	0	12	57	121	69	190
B101	0,000	All ULS	Beam	52	**76**	**35**	35	**128**	70	198
B101	1,075	All ULS	Beam	100	0	14	**86**	100	**100**	**200**
B102	0,267-	All ULS	Beam	**114**	7	26	**30**	121	56	177
B102	0,000	All ULS	Beam	3	77	**87**	0	80	**87**	167
B102	0,800	All ULS	Beam	0	**163**	24	23	**163**	47	**210**
B103	1,200	All ULS	Beam	**139**	0	14	37	139	51	190
B103	0,000	All ULS	Beam	3	**241**	**49**	**61**	**244**	**110**	**354**
B104	0,267-	All ULS	Beam	**115**	0	50	18	115	68	183
B104	0,000	All ULS	Beam	53	1	**170**	0	54	**170**	224
B104	0,800	All ULS	Beam	0	**184**	40	**23**	**184**	63	**247**
B105	1,200	All ULS	Beam	**138**	0	34	0	138	34	172
B105	0,000	All ULS	Beam	4	**268**	**55**	**65**	**272**	**120**	**392**
B106	0,267-	All ULS	Beam	**101**	9	73	9	110	82	192
B106	0,000	All ULS	Beam	60	0	**167**	0	60	**167**	227
B106	0,800	All ULS	Beam	0	**209**	49	**24**	**209**	73	**282**
B107	0,480-	All ULS	Beam	**116**	70	54	34	186	88	274
B107	0,000	All ULS	Beam	11	**307**	**68**	**69**	**318**	**137**	**455**
B108	0,000	All ULS	Beam	31	**88**	17	37	119	54	173
B108	0,806-	All ULS	Beam	**116**	0	0	**56**	116	56	172
B108	1,075	All ULS	Beam	59	65	**46**	34	**124**	**80**	**204**
B109	0,267-	All ULS	Beam	**87**	14	18	**31**	101	49	150
B109	0,533-	All ULS	Beam	0	**167**	**27**	30	**167**	**57**	**224**
B110	0,960-	All ULS	Beam	**112**	0	5	34	112	39	151
B110	0,000	All ULS	Beam	0	**166**	**26**	**44**	**166**	**70**	**236**
B111	0,267-	All ULS	Beam	**83**	1	24	16	84	40	124
B111	0,533-	All ULS	Beam	0	206	**35**	30	206	**65**	271
B111	0,800	All ULS	Beam	0	**219**	33	**32**	**219**	65	**284**
B112	0,720-	All ULS	Beam	**119**	6	**35**	19	125	54	179
B112	0,240-	All ULS	Beam	5	139	31	**38**	144	69	213
B112	0,000	All ULS	Beam	0	**162**	34	37	**162**	**71**	**233**
B113	0,267-	All ULS	Beam	**61**	6	22	14	67	36	103
B113	0,800	All ULS	Beam	0	**194**	**34**	**29**	**194**	**63**	**257**
B114	0,960-	All ULS	Beam	**138**	0	26	37	138	63	201
B114	0,240-	All ULS	Beam	1	317	**80**	**72**	318	**152**	470
B114	0,000	All ULS	Beam	0	**329**	77	65	**329**	142	**471**
B115	0,267-	All ULS	Beam	**99**	30	**70**	8	129	78	207
B115	0,000	All ULS	Beam	15	104	47	**74**	119	**121**	240
B115	0,800	All ULS	Beam	22	**274**	67	25	**296**	92	**388**
B116	1,200	All ULS	Beam	**122**	21	56	10	143	66	209

Name	dx [m]	Case	Member	$A_{sz,req+}$ [mm²]	$A_{sz,req-}$ [mm²]	$A_{sy,req+}$ [mm²]	$A_{sy,req-}$ [mm²]	$A_{sz,req}$ [mm²]	$A_{sy,req}$ [mm²]	$A_{s,req}$ [mm²]
B116	0,240-	All ULS	Beam	36	308	90	**77**	344	167	511
B116	0,000	All ULS	Beam	44	**388**	**103**	74	**432**	**177**	**609**
B117	0,267-	All ULS	Beam	**60**	77	82	36	137	118	255
B117	0,000	All ULS	Beam	31	28	**104**	**66**	59	**170**	229
B117	0,800	All ULS	Beam	0	**311**	82	12	**311**	94	**405**
B118	0,720-	All ULS	Beam	**164**	98	21	105	262	126	388
B118	0,240-	All ULS	Beam	89	358	63	**125**	447	**188**	635
B118	0,000	All ULS	Beam	85	**389**	**72**	115	**474**	187	**661**
B119	0,800	All ULS	Beam	0	**149**	20	24	149	44	193
B119	0,000	All ULS	Beam	**93**	15	**54**	12	108	66	174
B119	0,267-	All ULS	Beam	67	19	34	**38**	86	**72**	158
B119	0,533-	All ULS	Beam	5	146	29	24	**151**	53	**204**
B120	0,000	All ULS	Beam	8	**145**	39	26	153	65	218
B120	1,200	All ULS	Beam	49	75	27	**51**	124	78	202
B120	0,960-	All ULS	Beam	**109**	15	**64**	17	124	**81**	205
B120	0,240-	All ULS	Beam	51	135	34	29	**186**	63	**249**
B121	0,267-	All ULS	Beam	**79**	39	18	**73**	118	91	209
B121	0,800	All ULS	Beam	0	**141**	0	42	**141**	42	183
B121	0,000	All ULS	Beam	11	70	**73**	56	81	**129**	**210**
B122	1,200	All ULS	Beam	**125**	5	35	20	130	55	185
B122	0,000	All ULS	Beam	32	**185**	**52**	**23**	**217**	**75**	**292**
B123	0,000	All ULS	Beam	19	34	82	**38**	53	120	173
B123	0,670	All ULS	Beam	**133**	**575**	**147**	22	**708**	**169**	**877**
B124	0,000	All ULS	Beam	22	38	**41**	68	60	**109**	169
B124	0,670	All ULS	Beam	**153**	**508**	7	**84**	**661**	91	**752**

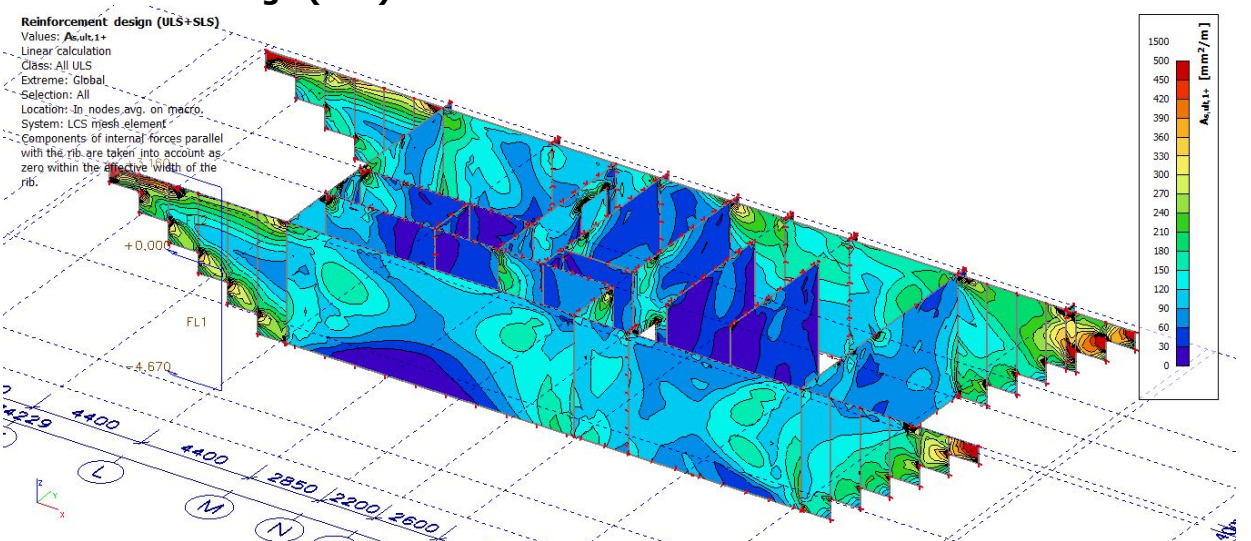
Shear required reinforcement

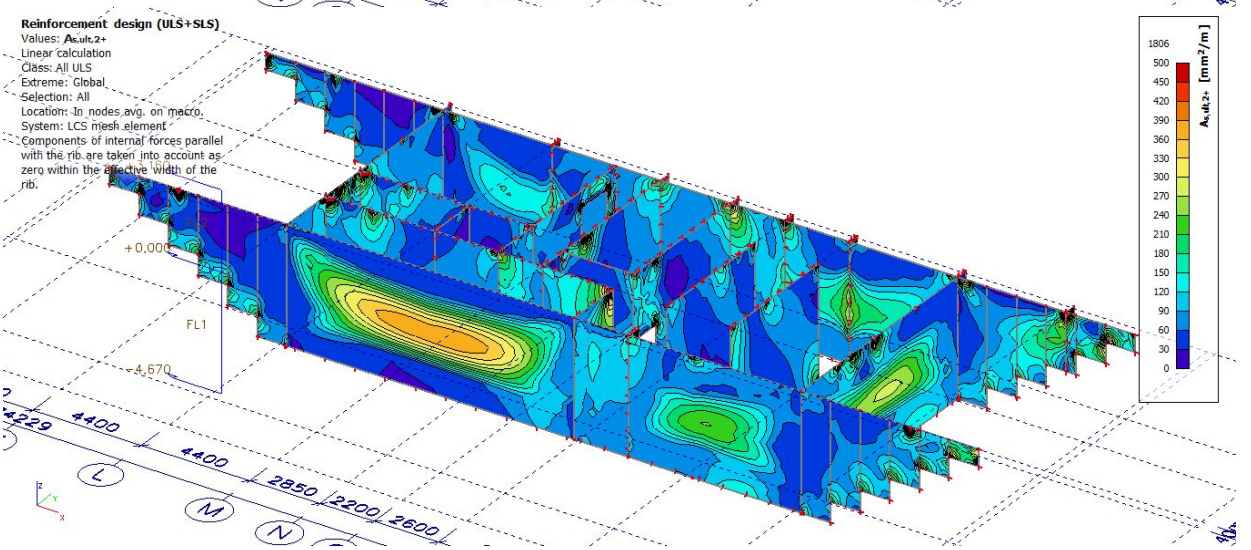
Name	dx [m]	Case	Member	$A_{swm,req}$ [mm²/m]	$A_{swm,req(\phi/s)}$
B73	0,000	All ULS	Beam	**423**	**ϕ8/238mm, (ns=2)**
B73	0,269-	All ULS	Beam	**981**	**ϕ8/103mm, (ns=2)**
B74	0,000	All ULS	Beam	**423**	**ϕ8/238mm, (ns=2)**
B74	0,267-	All ULS	Beam	**783**	**ϕ8/128mm, (ns=2)**
B75	1,200	All ULS	Beam	**423**	**ϕ8/238mm, (ns=2)**
B75	0,240-	All ULS	Beam	**797**	**ϕ8/126mm, (ns=2)**
B76	0,000	All ULS	Beam	**423**	**ϕ8/238mm, (ns=2)**
B76	0,533-	All ULS	Beam	**645**	**ϕ8/156mm, (ns=2)**
B77	0,960-	All ULS	Beam	**423**	**ϕ8/238mm, (ns=2)**
B77	0,000	All ULS	Beam	**776**	**ϕ8/129mm, (ns=2)**
B78	0,000	All ULS	Beam	**423**	**ϕ8/238mm, (ns=2)**
B78	0,533-	All ULS	Beam	**627**	**ϕ8/160mm, (ns=2)**
B79	1,200	All ULS	Beam	**423**	**ϕ8/238mm, (ns=2)**
B79	0,000	All ULS	Beam	**921**	**ϕ8/109mm, (ns=2)**
B80	0,000	All ULS	Beam	**423**	**ϕ8/238mm, (ns=2)**
B80	0,267-	All ULS	Beam	**700**	**ϕ8/144mm, (ns=2)**
B81	1,200	All ULS	Beam	**423**	**ϕ8/238mm, (ns=2)**
B81	0,240-	All ULS	Beam	**861**	**ϕ8/117mm, (ns=2)**
B82	0,000	All ULS	Beam	**423**	**ϕ8/238mm, (ns=2)**
B82	0,800	All ULS	Beam	**825**	**ϕ8/122mm, (ns=2)**
B83	1,200	All ULS	Beam	**423**	**ϕ8/238mm, (ns=2)**
B83	0,000	All ULS	Beam	**703**	**ϕ8/143mm, (ns=2)**
B84	0,000	All ULS	Beam	**503**	**ϕ8/200mm, (ns=2)**
B84	0,670	All ULS	Beam	**2128**	**ϕ8/47mm, (ns=2)**
B85	0,000	All ULS	Beam	**634**	**ϕ8/159mm, (ns=2)**
B85	0,269-	All ULS	Beam	**924**	**ϕ8/109mm, (ns=2)**
B86	0,800	All ULS	Beam	**423**	**ϕ8/238mm, (ns=2)**
B86	0,267-	All ULS	Beam	**931**	**ϕ8/108mm, (ns=2)**
B87	0,000	All ULS	Beam	**509**	**ϕ8/197mm, (ns=2)**
B87	0,480-	All ULS	Beam	**926**	**ϕ8/109mm, (ns=2)**
B88	0,000	All ULS	Beam	**582**	**ϕ8/173mm, (ns=2)**
B88	0,267-	All ULS	Beam	**945**	**ϕ8/106mm, (ns=2)**
B89	1,200	All ULS	Beam	**423**	**ϕ8/238mm, (ns=2)**
B89	0,240-	All ULS	Beam	**787**	**ϕ8/128mm, (ns=2)**
B90	0,267-	All ULS	Beam	**423**	**ϕ8/238mm, (ns=2)**
B90	0,533-	All ULS	Beam	**721**	**ϕ8/140mm, (ns=2)**
B91	0,799-	All ULS	Beam	**486**	**ϕ8/207mm, (ns=2)**

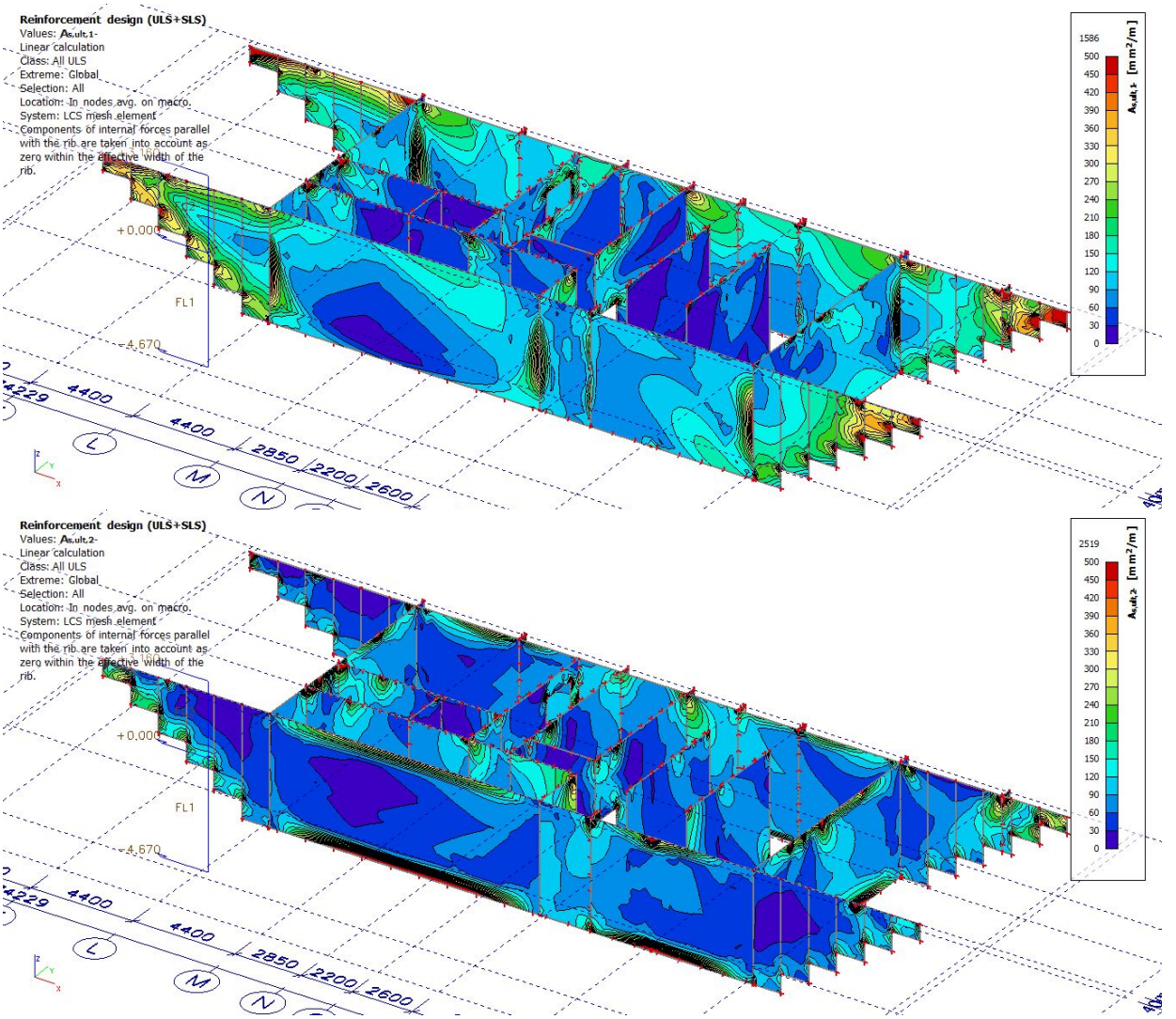
Name	dx [m]	Case	Member	$A_{swm,req}$ [mm²/m]	$A_{swm,req(\phi/s)}$
B91	0,266-	All ULS	Beam	**950**	**ϕ8/106mm, (ns=2)**
B92	0,000	All ULS	Beam	**423**	**ϕ8/238mm, (ns=2)**
B92	0,800	All ULS	Beam	**990**	**ϕ8/102mm, (ns=2)**
B93	0,480-	All ULS	Beam	**554**	**ϕ8/181mm, (ns=2)**
B93	1,200	All ULS	Beam	**941**	**ϕ8/107mm, (ns=2)**
B94	0,267-	All ULS	Beam	**443**	**ϕ8/227mm, (ns=2)**
B94	0,800	All ULS	Beam	**1083**	**ϕ8/93mm, (ns=2)**
B95	0,240-	All ULS	Beam	**622**	**ϕ8/162mm, (ns=2)**
B95	1,200	All ULS	Beam	**896**	**ϕ8/112mm, (ns=2)**
B96	0,000	All ULS	Beam	**773**	**ϕ8/130mm, (ns=2)**
B96	0,670	All ULS	Beam	**2173**	**ϕ8/46mm, (ns=2)**
B100	0,000	All ULS	Beam	**469**	**ϕ8/214mm, (ns=2)**
B100	0,480	All ULS	Beam	**627**	**ϕ8/160mm, (ns=2)**
B101	1,075	All ULS	Beam	**659**	**ϕ8/153mm, (ns=2)**
B101	0,269-	All ULS	Beam	**894**	**ϕ8/112mm, (ns=2)**
B102	0,000	All ULS	Beam	**423**	**ϕ8/238mm, (ns=2)**
B102	0,800	All ULS	Beam	**606**	**ϕ8/166mm, (ns=2)**
B103	0,960-	All ULS	Beam	**490**	**ϕ8/205mm, (ns=2)**
B103	0,480-	All ULS	Beam	**940**	**ϕ8/107mm, (ns=2)**
B104	0,533-	All ULS	Beam	**488**	**ϕ8/206mm, (ns=2)**
B104	0,267-	All ULS	Beam	**739**	**ϕ8/136mm, (ns=2)**
B105	0,960-	All ULS	Beam	**469**	**ϕ8/215mm, (ns=2)**
B105	1,200	All ULS	Beam	**551**	**ϕ8/182mm, (ns=2)**
B106	0,533-	All ULS	Beam	**511**	**ϕ8/197mm, (ns=2)**
B106	0,267-	All ULS	Beam	**876**	**ϕ8/115mm, (ns=2)**
B107	1,200	All ULS	Beam	**485**	**ϕ8/207mm, (ns=2)**
B107	0,480-	All ULS	Beam	**722**	**ϕ8/139mm, (ns=2)**
B108	1,075	All ULS	Beam	**592**	**ϕ8/170mm, (ns=2)**
B108	0,269-	All ULS	Beam	**860**	**ϕ8/117mm, (ns=2)**
B109	0,533-	All ULS	Beam	**450**	**ϕ8/223mm, (ns=2)**
B109	0,267-	All ULS	Beam	**829**	**ϕ8/121mm, (ns=2)**
B110	0,000	All ULS	Beam	**532**	**ϕ8/189mm, (ns=2)**
B110	0,480-	All ULS	Beam	**805**	**ϕ8/125mm, (ns=2)**
B111	0,800	All ULS	Beam	**480**	**ϕ8/209mm, (ns=2)**
B111	0,000	All ULS	Beam	**592**	**ϕ8/170mm, (ns=2)**
B112	0,000	All ULS	Beam	**481**	**ϕ8/209mm, (ns=2)**
B112	0,960-	All ULS	Beam	**828**	**ϕ8/121mm, (ns=2)**
B113	0,800	All ULS	Beam	**514**	**ϕ8/195mm, (ns=2)**
B113	0,000	All ULS	Beam	**811**	**ϕ8/124mm, (ns=2)**
B114	0,240-	All ULS	Beam	**525**	**ϕ8/192mm, (ns=2)**
B114	0,480-	All ULS	Beam	**976**	**ϕ8/103mm, (ns=2)**
B115	0,533-	All ULS	Beam	**816**	**ϕ8/123mm, (ns=2)**
B115	0,800	All ULS	Beam	**1062**	**ϕ8/95mm, (ns=2)**
B116	0,720-	All ULS	Beam	**623**	**ϕ8/161mm, (ns=2)**
B116	0,240-	All ULS	Beam	**748**	**ϕ8/134mm, (ns=2)**
B117	0,267-	All ULS	Beam	**836**	**ϕ8/120mm, (ns=2)**
B117	0,800	All ULS	Beam	**1405**	**ϕ8/72mm, (ns=2)**
B118	1,200	All ULS	Beam	**433**	**ϕ8/232mm, (ns=2)**
B118	0,000	All ULS	Beam	**975**	**ϕ8/103mm, (ns=2)**
B119	0,800	All ULS	Beam	**543**	**ϕ8/185mm, (ns=2)**
B119	0,000	All ULS	Beam	**929**	**ϕ8/108mm, (ns=2)**
B120	0,000	All ULS	Beam	**497**	**ϕ8/202mm, (ns=2)**
B120	0,480-	All ULS	Beam	**887**	**ϕ8/113mm, (ns=2)**
B121	0,800	All ULS	Beam	**453**	**ϕ8/222mm, (ns=2)**
B121	0,000	All ULS	Beam	**895**	**ϕ8/112mm, (ns=2)**
B122	0,000	All ULS	Beam	**497**	**ϕ8/202mm, (ns=2)**
B122	0,960-	All ULS	Beam	**953**	**ϕ8/105mm, (ns=2)**
B123	0,000	All ULS	Beam	**639**	**ϕ8/157mm, (ns=2)**
B123	0,670	All ULS	Beam	**1446**	**ϕ8/70mm, (ns=2)**
B124	0,223-	All ULS	Beam	**544**	**ϕ8/185mm, (ns=2)**
B124	0,670	All ULS	Beam	**1917**	**ϕ8/52mm, (ns=2)**



7.2.3. Overall Design (ULS)







7.3. PRITLIČJE – TEMELJI

7.3.1. Internal forces (Design)

Linear calculation
Class: All ULS; Coordinate system: Member
Extreme 1D: Cross-section; Selection: All

Name	dx [m]	Case	Cross-section	N [kN] N_{Ed} [kN]	V_y [kN] V_{Edy} [kN]	V_z [kN] V_{Edz} [kN]	M_x [kNm] M_{Edx} [kNm]	M_y [kNm] M_{Edy} [kNm]	M_z [kNm] M_{Edz} [kNm]
B71	0,860-	ULS-Set B (auto)/1	CS6 - Rectangle (600; 250)	**-89,92** **-89,92**	-2,69 -2,69	43,05 43,05	1,44 1,44	-16,21 -28,54	0,23 0,23
B72	7,140-	ULS-Seis (auto)/2	CS6 - Rectangle (600; 250)	**79,15** **79,15**	7,23 7,23	42,87 42,87	-2,03 -2,03	24,26 29,03	0,43 0,50
B72	7,220-	ULS-Seis (auto)/3	CS6 - Rectangle (600; 250)	-66,50 -66,50	**-18,88** **-18,88**	44,29 44,29	4,74 4,74	-43,05 -43,05	0,99 0,99
B72	0,264-	ULS-Seis (auto)/4	CS6 - Rectangle (600; 250)	11,43 11,43	**18,64** **18,64**	15,02 15,02	-4,38 -4,38	4,37 8,20	-0,37 -0,74
B71	2,300+	ULS-Seis (auto)/5	CS6 - Rectangle (600; 250)	-19,76 -19,76	-5,50 -5,50	**-69,54** **-69,54**	1,03 1,03	-40,07 -40,07	0,31 0,85
B71	7,672-	ULS-Seis (auto)/6	CS6 - Rectangle (600; 250)	-35,02 -35,02	4,39 4,39	**79,06** **79,06**	-1,49 -1,49	-17,07 -23,62	0,07 0,10
B72	2,777-	ULS-Seis (auto)/4	CS6 - Rectangle (600; 250)	-9,87 -9,87	13,11 13,11	16,42 16,42	**-5,63** **-5,63**	-3,82 -8,40	-0,06 -0,17
B70	0,310+	ULS-Seis (auto)/7	CS6 - Rectangle (600; 250)	2,66 2,66	-17,27 -17,27	7,33 7,33	**4,95** **4,95**	2,21 4,95	0,06 0,41

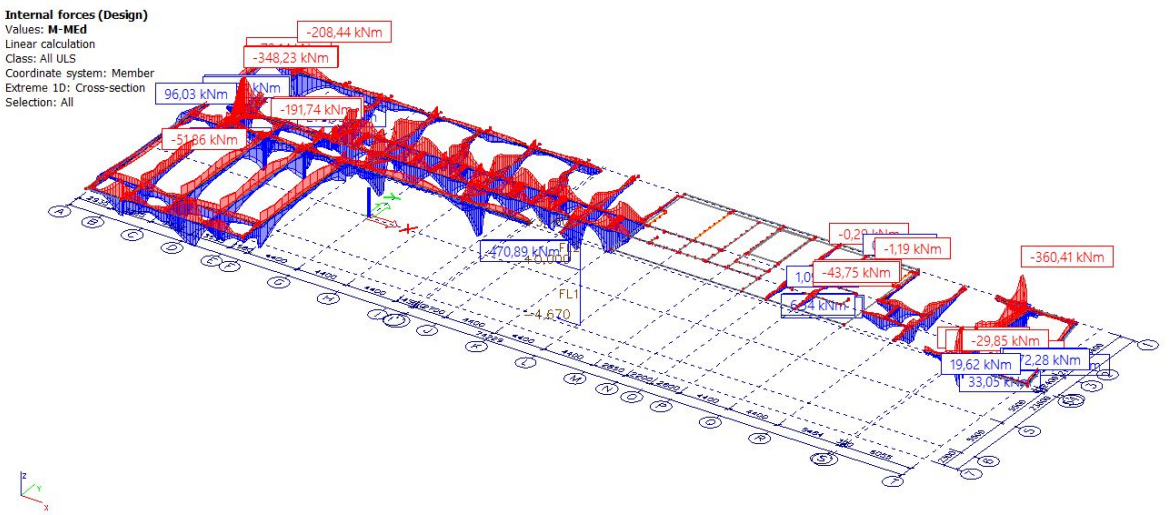
Name	dx [m]	Case	Cross-section	N [kN] N_{Ed} [kN]	V_y [kN] V_{Edy} [kN]	V_z [kN] V_{Edz} [kN]	M_x [kNm] M_{Edx} [kNm]	M_y [kNm] M_{Edy} [kNm]	M_z [kNm] M_{Edz} [kNm]
B72	7,220-	ULS-Seis (auto)/8	CS6 - Rectangle (600; 250)	-68,54 -68,54	-18,85 -18,85	44,35 44,35	4,73 4,73	**-43,75** **-43,75**	0,99 0,99
B71	2,300+	LC11/9	CS6 - Rectangle (600; 250)	23,22 23,22	2,18 2,18	42,51 42,51	-0,55 -0,55	**32,68** **32,68**	-0,31 -0,85
B72	0,000	ULS-Seis (auto)/10	CS6 - Rectangle (600; 250)	15,60 15,60	14,74 14,74	17,49 17,49	-3,16 -3,16	-0,80 -0,80	**-1,19** **-1,19**
B72	7,220-	ULS-Set B (auto)/11	CS6 - Rectangle (600; 250)	-4,66 -4,66	-14,84 -14,84	-14,72 -14,72	3,40 3,40	8,64 10,66	**1,09** **1,09**
B97	1,514-	ULS-Seis (auto)/12	CS18 - Rectangle (600; 500)	**-171,33** **-171,33**	-12,78 -12,78	6,86 6,86	-9,87 -9,87	-11,08 -12,90	-5,62 -6,86
B97	0,757-	LC10/13	CS18 - Rectangle (600; 500)	**128,28** **128,28**	10,37 10,37	-6,21 -6,21	-0,62 -0,62	9,78 12,19	-4,12 -5,73
B97	0,252-	ULS-Seis (auto)/6	CS18 - Rectangle (600; 500)	-27,17 -27,17	**-45,93** **-45,93**	-77,36 -77,36	-17,50 -17,50	13,29 25,05	-2,04 -4,76
B97	0,252-	LC11/14	CS18 - Rectangle (600; 500)	-17,29 -17,29	**30,73** **30,73**	54,51 54,51	-0,07 -0,07	-21,18 -26,98	10,03 10,87
B97	0,000	ULS-Seis (auto)/2	CS18 - Rectangle (600; 500)	9,01 9,01	-29,94 -29,94	**-100,63** **-100,63**	-22,87 -22,87	25,10 25,10	0,54 0,54
B97	0,000	LC11/14	CS18 - Rectangle (600; 500)	-47,12 -47,12	22,04 22,04	**59,87** **59,87**	3,58 3,58	-26,98 -26,98	9,41 10,00
B97	0,000	ULS-Set B (auto)/15	CS18 - Rectangle (600; 500)	-3,63 -3,63	-12,50 -12,50	-51,38 -51,38	**-28,55** **-28,55**	3,90 3,90	11,63 11,63
B97	5,046-	ULS-Seis (auto)/2	CS18 - Rectangle (600; 500)	-35,23 -35,23	24,56 24,56	2,33 2,33	**26,83** **26,83**	-3,25 -4,16	-1,30 -2,18
B97	0,252-	ULS-Seis (auto)/16	CS18 - Rectangle (600; 500)	-62,47 -62,47	17,31 17,31	32,95 32,95	-17,37 -17,37	**-29,85** **-29,85**	18,31 19,48
B97	0,000	ULS-Seis (auto)/17	CS18 - Rectangle (600; 500)	78,17 78,17	-32,73 -32,73	-88,55 -88,55	-21,67 -21,67	**33,05** **33,05**	-3,02 -6,14
B97	1,262-	ULS-Seis (auto)/18	CS18 - Rectangle (600; 500)	-38,08 -38,08	-17,72 -17,72	-22,31 -22,31	-11,64 -11,64	-0,85 -3,02	**-12,66** **-12,66**
B97	0,000	ULS-Seis (auto)/5	CS18 - Rectangle (600; 500)	-87,08 -87,08	15,35 15,35	21,09 21,09	-15,48 -15,48	-29,81 -29,84	**19,62** **19,62**
B130	2,577-	ULS-Seis (auto)/19	CS8 - Rectangle (620; 500)	**-259,35** **-259,35**	-19,36 -19,36	-86,09 -86,09	29,82 29,82	-143,47 -189,72	6,21 6,21
B130	2,577-	ULS-Seis (auto)/20	CS8 - Rectangle (620; 500)	**249,13** **249,13**	24,96 24,96	86,24 86,24	-3,15 -3,15	113,92 160,59	4,29 8,00
B269	0,760-	ULS-Seis (auto)/21	CS8 - Rectangle (620; 500)	16,02 16,02	**186,22** **186,22**	70,18 70,18	-9,51 -9,51	29,12 195,28	98,88 98,88
B269	0,760+	ULS-Set B (auto)/22	CS8 - Rectangle (620; 500)	234,44 234,44	47,49 47,49	**-231,96** **-231,96**	39,92 39,92	161,13 161,13	-22,89 -22,89
B130	2,935	ULS-Seis (auto)/19	CS8 - Rectangle (620; 500)	-98,67 -98,67	-79,35 -79,35	**206,94** **206,94**	50,14 50,14	-189,72 -189,72	0,13 4,76
B251	2,925	ULS-Seis (auto)/23	CS8 - Rectangle (620; 500)	-16,99 -16,99	159,32 159,32	86,95 86,95	**-62,11** **-62,11**	18,11 18,11	3,18 3,18
B269	8,760+	ULS-Seis (auto)/20	CS8 - Rectangle (620; 500)	27,08 27,08	-107,63 -107,63	-113,60 -113,60	**63,84** **63,84**	76,51 87,41	66,19 66,19
B128	0,000	LC11/24	CS8 - Rectangle (620; 500)	-128,93 -128,93	103,76 103,76	143,81 143,81	-6,81 -6,81	**-208,44** **-208,44**	-20,77 -20,77
B128	0,000	ULS-Seis (auto)/25	CS8 - Rectangle (620; 500)	129,77 129,77	-119,56 -119,56	-226,39 -226,39	-5,93 -5,93	**275,93** **275,93**	25,68 25,68
B269	0,760-	ULS-Seis (auto)/26	CS8 - Rectangle (620; 500)	-14,21 -14,21	**-202,12** **-202,12**	55,36 55,36	4,05 4,05	14,16 17,83	**-111,48** **-111,48**
B269	0,760-	LC10/27	CS8 - Rectangle (620; 500)	10,50 10,50	185,22 185,22	33,63 33,63	-17,78 -17,78	21,65 52,31	**100,28** **100,28**
B129	17,753-	ULS-Seis (auto)/19	CS5 - Rectangle (500; 1150)	**-338,12** **-338,12**	5,34 5,34	-9,41 -9,41	3,13 3,13	-17,66 -22,65	-46,77 -49,22
B129	18,670-	ULS-Seis (auto)/20	CS5 - Rectangle (500; 1150)	**250,85** **250,85**	6,33 6,33	-0,94 -0,94	25,49 25,49	2,69 4,53	17,31 20,85
B129	10,420+	ULS-Seis (auto)/4	CS5 - Rectangle (500; 1150)	-47,33 -47,33	**-112,30** **-112,30**	-15,17 -15,17	-31,94 -31,94	-0,16 -0,16	**96,03** **96,03**
B129	21,420-	ULS-Seis (auto)/19	CS5 - Rectangle (500; 1150)	-252,49 -252,49	**79,82** **79,82**	14,10 14,10	5,60 5,60	-44,93 -51,18	31,63 31,63
B129	23,465-	LC10/27	CS5 - Rectangle (500; 1150)	20,24 20,24	-27,05 -27,05	**-54,55** **-54,55**	24,94 24,94	-5,82 -10,60	2,05 5,67

Name	dx [m]	Case	Cross-section	N [kN] N_{Ed} [kN]	V_y [kN] V_{Edy} [kN]	V_z [kN] V_{Edz} [kN]	M_x [kNm] M_{Edx} [kNm]	M_y [kNm] M_{Edy} [kNm]	M_z [kNm] M_{Edz} [kNm]
B129	23,465-	ULS-Seis (auto)/19	CS5 - Rectangle (500; 1150)	-31,68 -31,68	27,54 27,54	**79,35** **79,35**	-27,86 -27,86	2,91 12,35	0,14 0,14
B129	1,993-	ULS-Seis (auto)/28	CS5 - Rectangle (500; 1150)	-31,21 -31,21	-2,90 -2,90	-12,74 -12,74	**-53,75** **-53,75**	-55,22 -60,47	7,11 11,18
B129	8,547-	ULS-Seis (auto)/29	CS5 - Rectangle (500; 1150)	-70,78 -70,78	-9,77 -9,77	-0,38 -0,38	**42,99** **42,99**	14,60 21,78	18,83 21,61
B129	2,929-	ULS-Seis (auto)/30	CS5 - Rectangle (500; 1150)	-26,41 -26,41	-2,62 -2,62	2,38 2,38	-44,22 -44,22	**-72,14** **-72,14**	8,71 10,22
B129	10,420-	ULS-Seis (auto)/31	CS5 - Rectangle (500; 1150)	-160,52 -160,52	40,82 40,82	17,32 17,32	29,42 29,42	**65,77** **65,77**	32,40 45,09
B129	15,920-	ULS-Seis (auto)/19	CS5 - Rectangle (500; 1150)	-310,46 -310,46	-7,68 -7,68	-15,91 -15,91	-10,27 -10,27	-1,87 -6,24	**-51,86** **-51,86**
B272	1,848	ULS-Set B (auto)/32	CS16 - Rectangle (300; 200)	**-35,50** **-35,50**	2,10 2,10	-7,73 -7,73	-0,53 -0,53	-3,81 -3,81	-0,13 -0,13
B271	2,300	ULS-Seis (auto)/3	CS16 - Rectangle (300; 200)	25,42 25,42	**-13,35** **-13,35**	-14,61 -14,61	**1,83** **1,83**	-8,81 -8,81	-0,11 -0,11
B273	1,584+	ULS-Seis (auto)/4	CS16 - Rectangle (300; 200)	2,27 2,27	**13,51** **13,51**	-6,15 -6,15	-1,74 -1,74	1,19 1,47	0,04 0,15
B270	1,680	ULS-Seis (auto)/5	CS16 - Rectangle (300; 200)	**39,55** **39,55**	-3,13 -3,13	**-19,06** **-19,06**	0,48 0,48	-8,58 -8,58	0,13 0,15
B272	0,246-	ULS-Seis (auto)/6	CS16 - Rectangle (300; 200)	-8,32 -8,32	4,12 4,12	**25,66** **25,66**	-0,67 -0,67	1,37 3,57	0,04 0,04
B273	0,264-	ULS-Seis (auto)/4	CS16 - Rectangle (300; 200)	-4,32 -4,32	13,05 13,05	13,83 13,83	**-1,93** **-1,93**	1,18 1,49	-0,03 -0,06
B271	2,300	ULS-Seis (auto)/8	CS16 - Rectangle (300; 200)	25,53 25,53	-13,34 -13,34	-14,61 -14,61	1,83 1,83	**-8,94** **-8,94**	-0,11 -0,11
B270	1,680	LC11/9	CS16 - Rectangle (300; 200)	-30,68 -30,68	1,26 1,26	9,86 9,86	-0,25 -0,25	**6,54** **6,54**	-0,14 -0,14
B354	0,000	LC10/34	CS19 - Rectangle (800; 500)	**-486,18** **-486,18**	3,91 3,91	-55,50 -55,50	-33,56 -33,56	45,11 45,11	13,16 14,11
B354	0,000	ULS-Seis (auto)/21	CS19 - Rectangle (800; 500)	**530,88** **530,88**	-5,06 -5,06	39,91 39,91	91,31 91,31	12,88 29,48	-15,16 -16,35
B291	8,760+	ULS-Seis (auto)/35	CS19 - Rectangle (800; 500)	8,52 8,52	**-310,61** **-310,61**	190,62 190,62	7,45 7,45	-158,62 -158,62	166,78 166,78
B291	9,267-	ULS-Seis (auto)/2	CS19 - Rectangle (800; 500)	37,43 37,43	144,19 144,19	**-490,52** **-490,52**	-101,75 -101,75	145,31 320,36	35,43 77,66
B291	9,013-	ULS-Seis (auto)/16	CS19 - Rectangle (800; 500)	-29,64 -29,64	-120,33 -120,33	**477,77** **477,77**	-137,84 -137,84	-218,89 -339,88	-14,14 -34,30
B291	8,760+	ULS-Seis (auto)/36	CS19 - Rectangle (800; 500)	-36,93 -36,93	179,36 179,36	276,70 276,70	**-230,05** **-230,05**	-12,78 -77,89	-130,21 -130,21
B291	0,760-	ULS-Seis (auto)/37	CS19 - Rectangle (800; 500)	-52,40 -52,40	-209,32 -209,32	-230,95 -230,95	**196,28** **196,28**	-31,42 -152,10	-150,37 -150,37
B291	8,760+	ULS-Seis (auto)/8	CS19 - Rectangle (800; 500)	-18,85 -18,85	-244,68 -244,68	416,35 416,35	-80,62 -80,62	**-360,41** **-360,41**	89,47 89,47
B291	8,760+	ULS-Seis (auto)/2	CS19 - Rectangle (800; 500)	0,77 0,77	180,53 180,53	-90,07 -90,07	-132,05 -132,05	**358,73** **358,73**	-68,66 -68,66
B291	0,760-	ULS-Seis (auto)/21	CS19 - Rectangle (800; 500)	-45,77 -45,77	-272,61 -272,61	-99,30 -99,30	184,01 184,01	107,14 107,14	**-166,67** **-166,67**
B291	0,760-	ULS-Seis (auto)/26	CS19 - Rectangle (800; 500)	10,52 10,52	**349,27** **349,27**	-147,51 -147,51	13,15 13,15	-106,61 -109,12	**172,28** **172,28**
B332	15,440+	ULS-Seis (auto)/31	CS21 - Rectangle (800; 600)	**-248,69** **-248,69**	2,17 2,17	4,92 4,92	-8,10 -8,10	-83,65 -97,79	-2,80 -2,80
B332	5,410+	ULS-Seis (auto)/31	CS21 - Rectangle (800; 600)	**320,11** **320,11**	-54,63 -54,63	161,50 161,50	-16,58 -16,58	-39,53 -39,53	45,96 45,96
B332	9,520+	ULS-Seis (auto)/28	CS21 - Rectangle (800; 600)	174,23 174,23	**-196,20** **-196,20**	136,49 136,49	-85,05 -85,05	105,70 159,12	57,23 57,23
B332	9,520+	ULS-Seis (auto)/23	CS21 - Rectangle (800; 600)	23,94 23,94	**235,63** **235,63**	-21,79 -21,79	131,14 131,14	6,92 30,13	-51,74 -51,74
B341	13,300+	ULS-Set B (auto)/11	CS21 - Rectangle (800; 600)	10,58 10,58	3,65 3,65	**-314,91** **-314,91**	-10,99 -10,99	314,27 314,27	-2,73 -2,73
B300	6,930+	ULS-Seis (auto)/23	CS21 - Rectangle (800; 600)	-14,56 -14,56	-8,13 -8,13	**260,81** **260,81**	1,79 1,79	290,61 **470,89**	-14,59 -39,68
B332	9,520+	LC11/38	CS21 - Rectangle (800; 600)	87,44 87,44	-174,36 -174,36	71,54 71,54	**-97,09** **-97,09**	48,22 76,10	46,70 46,70

Name	dx [m]	Case	Cross-section	N [kN] N_{Ed} [kN]	V_y [kN] V_{Edy} [kN]	V_z [kN] V_{Edz} [kN]	M_x [kNm] M_{Edx} [kNm]	M_y [kNm] M_{Edy} [kNm]	M_z [kNm] M_{Edz} [kNm]
B332	9,835+	ULS-Seis (auto)/31	CS21 - Rectangle (800; 600)	26,60 26,60	234,73 234,73	-16,46 -16,46	**131,42** **131,42**	-0,09 -7,78	22,41 47,06
B332	7,240+	LC11/38	CS21 - Rectangle (800; 600)	104,28 104,28	-11,09 -11,09	218,77 218,77	-35,81 -35,81	**-348,23** **-348,23**	16,46 18,08
B300	7,140+	ULS-Seis (auto)/23	CS21 - Rectangle (800; 600)	-81,43 -81,43	31,65 31,65	-225,41 -225,41	1,33 1,33	**470,89** 470,89	-39,68 -39,68
B332	7,140+	LC10/34	CS21 - Rectangle (800; 600)	-81,91 -81,91	-173,22 -173,22	16,63 16,63	25,56 25,56	-22,62 -23,56	**172,64** **172,64**
B332	7,140+	ULS-Seis (auto)/39	CS21 - Rectangle (800; 600)	134,01 134,01	197,25 197,25	-30,75 -30,75	11,82 11,82	132,74 150,94	**-191,74** **-191,74**

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC5 + 1.05*LC7
ULS-Seis (auto)/2	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Seis (auto)/3	LC1 + LC2 + 0.30*LC9 - 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
ULS-Seis (auto)/4	LC1 + LC2 - Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
ULS-Seis (auto)/5	LC1 + LC2 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
ULS-Seis (auto)/6	LC1 + LC2 + 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Seis (auto)/7	LC1 + LC2 - Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
ULS-Seis (auto)/8	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
LC11/9	- Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Seis (auto)/10	LC1 + LC2 + 0.30*LC9 - Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
ULS-Set B (auto)/11	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC8
ULS-Seis (auto)/12	LC1 + LC2 + 0.30*LC9 + Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
LC10/13	- Equivalent lateral forces for LC10 + Accidental torsional moments for LC10
LC11/14	Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
ULS-Set B (auto)/15	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5
ULS-Seis (auto)/16	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
ULS-Seis (auto)/17	LC1 + LC2 + 0.30*LC9 - 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Seis (auto)/18	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Seis (auto)/19	LC1 + LC2 - Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
ULS-Seis (auto)/20	LC1 + LC2 + 0.30*LC9 + Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
ULS-Seis (auto)/21	LC1 + LC2 + Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
ULS-Set B (auto)/22	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC5 + 1.05*LC7
ULS-Seis (auto)/23	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
LC11/24	- Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
ULS-Seis (auto)/25	LC1 + LC2 + 0.30*LC9 - 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Seis (auto)/26	LC1 + LC2 + 0.30*LC9 - Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
LC10/27	Equivalent lateral forces for LC10 + Accidental torsional moments for LC10
ULS-Seis (auto)/28	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Seis (auto)/29	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
ULS-Seis (auto)/30	LC1 + LC2 + 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Seis (auto)/31	LC1 + LC2 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 -

Name	Combination key
	Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
ULS-Set B (auto)/32	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC5
LC10/33	Equivalent lateral forces for LC10 - Accidental torsional moments for LC10
LC10/34	- Equivalent lateral forces for LC10 - Accidental torsional moments for LC10
ULS-Seis (auto)/35	LC1 + LC2 + 0.30*LC9 - Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
ULS-Seis (auto)/36	LC1 + LC2 + 0.30*LC9 + Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
ULS-Seis (auto)/37	LC1 + LC2 + 0.30*LC9 + Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
LC11/38	Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Seis (auto)/39	LC1 + LC2 + Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11



7.3.2. Overall Design (ULS)

Linear calculation
Class: All ULS; Coordinate system: Member
Extreme 1D: Member; Selection: All

Longitudinal required reinforcement

Name	dx [m]	Case	Member	$A_{sz,req+}$ [mm²]	$A_{sz,req-}$ [mm²]	$A_{sy,req+}$ [mm²]	$A_{sy,req-}$ [mm²]	$A_{sz,req}$ [mm²]	$A_{sy,req}$ [mm²]	$A_{s,req}$ [mm²]
B70	0,310+	All ULS	Rib	123	**186**	0	0	**309**	0	309
B70	0,000	All ULS	Rib	74	70	**77**	**75**	144	**152**	296
B70	0,310-	All ULS	Rib	**196**	114	7	7	310	14	**324**
B71	8,164-	All ULS	Rib	**158**	95	0	0	253	0	253
B71	0,860-	All ULS	Rib	23	**230**	0	0	**253**	0	253
B71	9,520	All ULS	Rib	39	15	32	**93**	54	125	179
B71	4,218-	All ULS	Rib	3	59	**143**	44	62	**187**	249
B71	8,688+	All ULS	Rib	89	164	51	51	253	102	**355**
B72	8,498-	All ULS	Rib	10	**243**	0	0	253	0	253
B72	0,000	All ULS	Rib	9	46	**90**	19	55	109	164
B72	0,264-	All ULS	Rib	20	51	31	**91**	71	122	193
B72	3,783-	All ULS	Rib	**253**	9	30	30	**262**	60	322
B72	7,220+	All ULS	Rib	59	141	85	63	200	**148**	**348**
B97	0,000	All ULS	Rib	5	**235**	182	22	240	204	444
B97	6,055	All ULS	Rib	**171**	27	**264**	49	198	313	511
B97	3,028-	All ULS	Rib	41	99	173	**276**	140	**449**	589
B97	1,009-	All ULS	Rib	88	168	240	150	**256**	390	**646**
B98	8,743-	All ULS	Rib	75	**445**	1	1	520	2	522
B98	2,914-	All ULS	Rib	152	8	62	**163**	160	225	385
B98	0,000	All ULS	Rib	**206**	314	51	51	**520**	102	622
B98	9,715	All ULS	Rib	115	167	**209**	157	282	**366**	**648**
B99	3,889	All ULS	Rib	18	**164**	235	49	182	284	466
B99	1,701-	All ULS	Rib	31	102	45	**325**	133	370	503
B99	3,403-	All ULS	Rib	**103**	151	189	149	**254**	338	592
B99	0,243-	All ULS	Rib	83	110	**290**	261	193	**551**	**744**

Name	dx [m]	Case	Member	$A_{sz,req+}$ [mm²]	$A_{sz,req-}$ [mm²]	$A_{sy,req+}$ [mm²]	$A_{sy,req-}$ [mm²]	$A_{sz,req}$ [mm²]	$A_{sy,req}$ [mm²]	$A_{s,req}$ [mm²]
B128	0,258-	All ULS	Rib	401	**874**	3	319	1275	322	1597
B128	2,835	All ULS	Rib	117	138	**164**	91	255	255	510
B128	0,000	All ULS	Rib	**466**	853	31	**340**	**1319**	**371**	**1690**
B129	9,484-	All ULS	Rib	**498**	17	141	204	515	345	860
B129	0,120+	All ULS	Rib	258	110	**249**	165	368	414	782
B129	21,420+	All ULS	Rib	298	310	63	**419**	608	**482**	1090
B129	20,504-	All ULS	Rib	122	**634**	87	291	**756**	378	**1134**
B130	2,577-	All ULS	Rib	220	**639**	229	215	**859**	444	1303
B130	2,935	All ULS	Rib	**333**	476	**296**	**358**	809	**654**	**1463**
B250	0,720-	All ULS	Rib	183	133	16	**206**	316	222	538
B250	2,878	All ULS	Rib	58	**571**	**472**	99	629	**571**	1200
B250	2,639-	All ULS	Rib	**235**	540	425	70	**775**	495	**1270**
B251	1,463-	All ULS	Rib	194	**270**	74	1	464	75	539
B251	2,925	All ULS	Rib	**342**	137	**193**	**327**	**479**	**520**	**999**
B269	1,510-	All ULS	Rib	**228**	618	219	409	846	628	1474
B269	1,010-	All ULS	Rib	180	802	**508**	421	982	929	1911
B269	0,507-	All ULS	Rib	146	469	360	**586**	615	946	1561
B269	0,760+	All ULS	Rib	143	**897**	500	471	**1040**	**971**	**2011**
B270	0,240+	All ULS	Rib	61	**61**	0	0	122	0	122
B270	0,720-	All ULS	Rib	56	6	**48**	10	62	58	120
B270	1,680	All ULS	Rib	**121**	2	5	5	**123**	10	133
B270	0,240-	All ULS	Rib	21	53	18	**47**	74	**65**	**139**
B271	0,256+	All ULS	Rib	**120**	3	6	6	**123**	12	135
B271	0,767+	All ULS	Rib	1	**116**	1	1	117	2	119
B271	0,000	All ULS	Rib	61	3	**22**	**23**	64	**45**	109
B271	2,300	All ULS	Rib	105	18	19	19	123	38	**161**
B272	1,570+	All ULS	Rib	28	61	**36**	11	89	47	136
B272	0,246+	All ULS	Rib	34	**88**	1	1	**122**	2	124
B272	1,570-	All ULS	Rib	39	12	29	**59**	51	**88**	139
B272	0,738+	All ULS	Rib	**102**	20	12	12	122	24	**146**
B273	0,528+	All ULS	Rib	**76**	15	18	19	91	37	128
B273	0,792+	All ULS	Rib	7	**74**	18	26	81	44	125
B273	0,000	All ULS	Rib	68	30	12	15	**98**	27	125
B273	0,792-	All ULS	Rib	30	14	**48**	**40**	44	**88**	**132**
B290	1,878-	All ULS	Beam	167	**350**	765	34	517	799	1316
B290	0,268-	All ULS	Beam	**268**	11	413	**102**	279	515	794
B290	2,415-	All ULS	Beam	250	331	**855**	0	**581**	**855**	**1436**
B291	0,912+	All ULS	Beam	449	984	**949**	233	1433	1182	2615
B291	9,520	All ULS	Beam	814	796	890	865	1610	**1755**	3365
B291	9,013-	All ULS	Beam	**1243**	**1348**	599	**891**	**2591**	1490	**4081**
B292	2,415-	All ULS	Beam	**512**	0	740	**179**	512	919	1431
B292	0,537-	All ULS	Beam	250	355	754	5	**605**	759	1364
B292	0,000	All ULS	Beam	109	**390**	**820**	138	499	**958**	**1457**
B293	6,877-	All ULS	Beam	106	**477**	15	222	583	237	820
B293	6,090-	All ULS	Beam	0	301	0	**234**	301	234	535
B293	9,044-	All ULS	Beam	150	0	**356**	0	150	**356**	506
B293	4,775-	All ULS	Beam	**385**	373	75	185	**758**	260	**1018**
B294	4,399	All ULS	Beam	**138**	235	137	7	373	144	517
B294	3,260-	All ULS	Beam	136	360	28	1	**496**	29	525
B294	0,000	All ULS	Beam	70	35	**317**	77	105	**394**	499
B294	2,250-	All ULS	Beam	10	**386**	83	**154**	396	237	**633**
B295	2,500-	All ULS	Beam	**158**	397	57	0	555	57	612
B295	4,399	All ULS	Beam	12	**460**	57	19	472	76	548
B295	4,100+	All ULS	Beam	41	261	**181**	30	302	211	513
B295	2,250-	All ULS	Beam	151	405	42	0	**556**	42	598
B295	0,000	All ULS	Beam	44	39	168	**216**	83	**384**	467
B295	2,500+	All ULS	Beam	149	398	133	109	547	242	**789**
B296	1,050-	All ULS	Beam	105	**190**	131	56	295	187	482
B296	0,263-	All ULS	Beam	11	73	60	**298**	84	358	442
B296	1,050+	All ULS	Beam	**152**	148	93	80	**300**	173	473
B296	1,950+	All ULS	Beam	93	96	**253**	187	189	**440**	**629**
B297	0,100-	All ULS	Beam	234	**357**	0	1	591	1	592
B297	0,200+	All ULS	Beam	323	94	**186**	1	417	187	604
B297	0,100+	All ULS	Beam	252	346	0	0	**598**	0	598
B297	0,500-	All ULS	Beam	87	108	96	**198**	195	**294**	489
B297	0,780+	All ULS	Beam	**373**	177	57	39	550	96	**646**

Name	dx [m]	Case	Member	$A_{sz,req+}$ [mm²]	$A_{sz,req-}$ [mm²]	$A_{sy,req+}$ [mm²]	$A_{sy,req-}$ [mm²]	$A_{sz,req}$ [mm²]	$A_{sy,req}$ [mm²]	$A_{s,req}$ [mm²]
B298	9,520	All ULS	Beam	218	10	51	**241**	228	292	520
B298	7,140+	All ULS	Beam	432	695	**288**	9	1127	**297**	1424
B298	7,140-	All ULS	Beam	**436**	**785**	222	60	**1221**	282	**1503**
B299	0,500-	All ULS	Beam	40	**549**	0	18	589	18	607
B299	0,780+	All ULS	Beam	**326**	151	**60**	55	477	115	592
B299	0,500+	All ULS	Beam	320	277	5	5	**597**	10	**607**
B299	0,100+	All ULS	Beam	256	123	0	**229**	379	**229**	608
B300	6,930+	All ULS	Beam	731	**1391**	206	51	2122	257	2379
B300	9,282+	All ULS	Beam	309	255	160	**356**	564	516	1080
B300	9,520	All ULS	Beam	114	0	**243**	307	114	**550**	664
B300	7,140+	All ULS	Beam	**781**	1347	169	89	**2128**	258	**2386**
B301	0,400-	All ULS	Beam	40	**554**	0	13	594	13	607
B301	0,780+	All ULS	Beam	**328**	140	**56**	64	468	120	588
B301	0,640-	All ULS	Beam	318	280	3	6	**598**	9	607
B301	0,100+	All ULS	Beam	258	128	0	**221**	386	**221**	607
B301	0,200-	All ULS	Beam	201	365	0	42	566	42	**608**
B302	9,520	All ULS	Beam	273	193	**289**	169	466	458	924
B302	6,877-	All ULS	Beam	751	**1185**	39	**356**	**1936**	395	2331
B302	7,854+	All ULS	Beam	**866**	992	274	235	1858	**509**	**2367**
B303	2,250-	All ULS	Beam	471	**608**	97	59	1079	156	1235
B303	0,250-	All ULS	Beam	126	64	**332**	189	190	**521**	711
B303	2,500+	All ULS	Beam	**601**	500	29	**226**	**1101**	255	**1356**
B304	2,980-	All ULS	Beam	**655**	388	85	0	1043	85	1128
B304	2,250-	All ULS	Beam	530	**545**	154	21	1075	175	1250
B304	4,100-	All ULS	Beam	325	2	**358**	4	327	362	689
B304	2,500-	All ULS	Beam	579	508	164	0	**1087**	164	1251
B304	0,000	All ULS	Beam	53	87	264	**251**	140	**515**	655
B304	2,820+	All ULS	Beam	580	412	196	121	992	317	**1309**
B305	0,950+	All ULS	Beam	**177**	185	65	134	362	199	561
B305	1,313-	All ULS	Beam	158	**223**	127	123	381	250	631
B305	1,050+	All ULS	Beam	172	219	92	105	**391**	197	588
B305	0,150-	All ULS	Beam	122	138	**241**	**308**	260	**549**	**809**
B306	0,000	All ULS	Beam	**468**	540	158	183	1008	341	1349
B306	2,200-	All ULS	Beam	154	105	**259**	187	259	446	705
B306	1,950-	All ULS	Beam	44	288	101	**405**	332	506	838
B306	0,200+	All ULS	Beam	462	**585**	257	261	**1047**	**518**	**1565**
B307	0,450-	All ULS	Beam	168	**476**	165	**126**	644	291	935
B307	0,100+	All ULS	Beam	**307**	438	284	22	**745**	306	1051
B307	1,700-	All ULS	Beam	6	468	**689**	5	474	**694**	**1168**
B308	1,230-	All ULS	Beam	233	43	103	**274**	276	377	653
B308	4,600-	All ULS	Beam	179	**335**	281	27	**514**	308	822
B308	3,690+	All ULS	Beam	**272**	233	**411**	225	505	**636**	**1141**
B309	0,252-	All ULS	Beam	**124**	26	81	165	150	246	396
B309	0,756-	All ULS	Beam	85	45	95	**173**	130	268	398
B309	1,008-	All ULS	Beam	36	71	**151**	154	107	**305**	412
B309	2,268-	All ULS	Beam	97	**193**	151	61	**290**	212	**502**
B310	0,600	All ULS	Beam	138	123	221	**286**	261	507	768
B310	0,000	All ULS	Beam	135	116	**296**	224	251	**520**	771
B310	0,300-	All ULS	Beam	**148**	**166**	252	251	**314**	503	**817**
B311	2,268-	All ULS	Beam	**392**	308	82	175	700	257	957
B311	0,000	All ULS	Beam	75	232	44	**194**	307	238	545
B311	2,520	All ULS	Beam	375	**347**	**118**	148	**722**	**266**	**988**
B312	0,000	All ULS	Beam	140	**256**	275	57	396	332	728
B312	2,100	All ULS	Beam	59	29	78	**304**	88	**382**	470
B312	0,260-	All ULS	Beam	**149**	251	**279**	60	**400**	339	**739**
B313	5,920+	All ULS	Beam	**644**	235	93	168	879	261	1140
B313	0,000	All ULS	Beam	290	171	119	**682**	461	801	1262
B313	2,500+	All ULS	Beam	479	662	322	86	**1141**	408	1549
B313	8,550-	All ULS	Beam	231	182	419	409	413	**828**	1241
B313	2,250-	All ULS	Beam	385	**743**	**424**	9	1128	433	**1561**
B314	6,150+	All ULS	Beam	**566**	333	123	29	899	152	1051
B314	2,250-	All ULS	Beam	305	**612**	17	17	917	34	951
B314	2,880+	All ULS	Beam	432	518	125	117	**950**	242	1192
B314	4,400+	All ULS	Beam	313	212	**439**	**535**	525	**974**	**1499**
B315	1,050+	All ULS	Beam	**240**	125	110	15	365	125	490
B315	0,787-	All ULS	Beam	137	**231**	81	103	368	184	552

Name	dx [m]	Case	Member	$A_{sz,req+}$ [mm²]	$A_{sz,req-}$ [mm²]	$A_{sy,req+}$ [mm²]	$A_{sy,req-}$ [mm²]	$A_{sz,req}$ [mm²]	$A_{sy,req}$ [mm²]	$A_{s,req}$ [mm²]
B315	1,950+	All ULS	Beam	136	66	129	**263**	202	392	594
B315	1,250-	All ULS	Beam	228	191	35	119	**419**	154	573
B315	0,000	All ULS	Beam	79	106	**247**	238	185	**485**	**670**
B316	4,600-	All ULS	Beam	34	**289**	257	7	323	264	587
B316	0,820-	All ULS	Beam	**223**	88	**458**	40	311	498	809
B316	7,600+	All ULS	Beam	205	70	39	**408**	275	447	722
B316	3,690-	All ULS	Beam	217	210	167	220	**427**	387	814
B316	4,100-	All ULS	Beam	197	186	349	209	383	**558**	**941**
B317	0,000	All ULS	Beam	**148**	106	132	144	254	276	530
B317	2,520	All ULS	Beam	135	**250**	**159**	76	**385**	235	620
B317	1,008-	All ULS	Beam	7	173	105	**198**	180	**303**	483
B317	2,268-	All ULS	Beam	134	251	156	87	385	243	**628**
B318	0,300-	All ULS	Beam	163	**197**	266	317	360	583	943
B318	0,600	All ULS	Beam	163	177	291	**320**	340	611	951
B318	0,000	All ULS	Beam	**180**	194	**321**	311	**374**	**632**	**1006**
B319	2,016-	All ULS	Beam	**470**	383	173	209	853	382	1235
B319	2,268-	All ULS	Beam	453	**471**	**182**	**218**	**924**	**400**	**1324**
B320	0,260-	All ULS	Beam	**186**	**299**	170	103	**485**	273	758
B320	2,100	All ULS	Beam	21	23	**196**	**231**	44	**427**	471
B320	0,000	All ULS	Beam	181	277	165	166	458	331	**789**
B321	1,050+	All ULS	Beam	117	**178**	73	96	295	169	464
B321	0,150-	All ULS	Beam	64	45	**190**	141	109	331	440
B321	0,950+	All ULS	Beam	**210**	156	93	46	**366**	139	505
B321	2,100	All ULS	Beam	43	40	187	**241**	83	**428**	**511**
B322	1,050-	All ULS	Beam	**238**	116	102	29	354	131	485
B322	1,838-	All ULS	Beam	0	118	76	**303**	118	379	497
B322	1,050+	All ULS	Beam	201	**198**	73	69	**399**	142	541
B322	0,150-	All ULS	Beam	123	90	**273**	285	213	**558**	**771**
B323	1,050-	All ULS	Beam	**220**	195	39	44	415	83	498
B323	0,000	All ULS	Beam	169	40	**193**	40	209	233	442
B323	2,100	All ULS	Beam	85	86	130	**173**	171	**303**	474
B323	1,312-	All ULS	Beam	190	**253**	32	77	**443**	109	**552**
B324	26,986	All ULS	Beam	**595**	42	930	61	637	991	1628
B324	22,785-	All ULS	Beam	525	133	27	**777**	658	804	1462
B324	2,121-	All ULS	Beam	76	**1876**	**2685**	52	**1952**	**2737**	**4689**
B325	0,620-	All ULS	Beam	**380**	130	34	77	510	111	621
B325	0,740+	All ULS	Beam	234	227	38	**109**	461	147	608
B325	0,100-	All ULS	Beam	222	**360**	0	1	**582**	1	583
B325	0,500+	All ULS	Beam	189	238	**108**	89	427	**197**	**624**
B326	0,400-	All ULS	Beam	164	**367**	0	76	531	76	607
B326	0,620-	All ULS	Beam	215	281	**37**	63	496	100	596
B326	0,200-	All ULS	Beam	202	363	1	1	**565**	2	567
B326	0,100+	All ULS	Beam	**253**	125	0	**229**	378	**229**	607
B326	0,100-	All ULS	Beam	186	359	0	63	545	63	**608**
B327	0,100-	All ULS	Beam	**283**	140	0	184	423	184	607
B327	0,500-	All ULS	Beam	159	**400**	0	43	559	43	602
B327	0,400+	All ULS	Beam	188	284	**136**	0	472	136	608
B327	0,620-	All ULS	Beam	149	147	26	**285**	296	**311**	607
B327	0,100+	All ULS	Beam	211	365	0	32	**576**	32	**608**
B328	0,500+	All ULS	Beam	**552**	0	38	0	552	38	590
B328	0,100-	All ULS	Beam	227	**350**	1	**1**	**577**	2	579
B328	0,200+	All ULS	Beam	431	89	**84**	1	520	**85**	**605**
B329	5,857-	All ULS	Beam	**859**	444	38	38	1303	76	1379
B329	0,000	All ULS	Beam	92	534	**336**	35	626	371	997
B329	3,535-	All ULS	Beam	210	528	9	**649**	738	**658**	1396
B329	6,354-	All ULS	Beam	707	**631**	69	190	**1338**	259	**1597**
B330	2,070+	All ULS	Beam	156	**615**	85	185	771	270	1041
B330	6,100+	All ULS	Beam	319	117	151	**244**	436	395	831
B330	2,300+	All ULS	Beam	367	589	90	38	**956**	128	1084
B330	7,050-	All ULS	Beam	416	98	**195**	212	514	**407**	921
B330	13,700+	All ULS	Beam	**436**	488	182	92	924	274	**1198**
B331	3,254-	All ULS	Beam	29	587	13	**963**	616	**976**	1592
B331	0,000	All ULS	Beam	**343**	**828**	**591**	206	**1171**	797	**1968**
B332	7,140-	All ULS	Beam	956	**1287**	791	102	2243	893	3136
B332	9,520+	All ULS	Beam	266	845	366	**753**	1111	**1119**	2230
B332	7,240+	All ULS	Beam	**1247**	1197	**820**	211	**2444**	1031	**3475**

Name	dx [m]	Case	Member	$A_{sz,req+}$ [mm²]	$A_{sz,req-}$ [mm²]	$A_{sy,req+}$ [mm²]	$A_{sy,req-}$ [mm²]	$A_{sz,req}$ [mm²]	$A_{sy,req}$ [mm²]	$A_{s,req}$ [mm²]
B333	0,780+	All ULS	Beam	142	71	**81**	161	213	242	455
B333	0,000	All ULS	Beam	280	**288**	1	0	**568**	1	569
B333	0,860	All ULS	Beam	205	0	75	**175**	205	**250**	455
B333	0,111-	All ULS	Beam	**450**	90	53	1	540	54	**594**
B334	1,008-	All ULS	Beam	0	301	46	**234**	301	280	581
B334	0,000	All ULS	Beam	**245**	66	**128**	205	311	**333**	644
B334	2,268-	All ULS	Beam	147	**436**	57	37	**583**	94	**677**
B335	2,284-	All ULS	Beam	**554**	448	**212**	97	1002	**309**	1311
B335	2,030-	All ULS	Beam	513	**540**	172	**106**	**1053**	278	**1331**
B336	1,800-	All ULS	Beam	**432**	247	188	293	679	481	1160
B336	0,000	All ULS	Beam	352	**513**	**252**	**420**	**865**	**672**	**1537**
B337	2,250-	All ULS	Beam	402	**326**	229	178	728	407	1135
B337	2,500+	All ULS	Beam	**433**	277	**269**	23	710	292	1002
B337	0,000	All ULS	Beam	93	72	107	**256**	165	363	528
B337	2,500-	All ULS	Beam	414	320	244	172	**734**	**416**	**1150**
B338	2,500+	All ULS	Beam	**783**	0	677	130	783	807	1590
B338	1,000-	All ULS	Beam	141	266	2	**707**	407	709	1116
B338	4,210-	All ULS	Beam	558	**521**	**1149**	51	**1079**	**1200**	**2279**
B339	0,950+	All ULS	Beam	**212**	60	36	141	272	177	449
B339	1,050+	All ULS	Beam	144	**116**	137	121	260	258	518
B339	1,575-	All ULS	Beam	74	85	234	**194**	159	428	587
B339	0,950-	All ULS	Beam	197	112	43	130	**309**	173	482
B339	1,838-	All ULS	Beam	46	83	**296**	176	129	**472**	**601**
B340	7,300-	All ULS	Beam	**464**	100	65	249	564	314	878
B340	2,300-	All ULS	Beam	80	**833**	89	71	913	160	1073
B340	0,460-	All ULS	Beam	120	308	**211**	167	428	378	806
B340	2,300+	All ULS	Beam	388	825	78	20	**1213**	98	1311
B340	13,405-	All ULS	Beam	53	802	167	292	855	**459**	1314
B340	13,300-	All ULS	Beam	319	824	0	**307**	1143	307	**1450**
B341	7,800-	All ULS	Beam	**415**	59	92	222	474	314	788
B341	2,070-	All ULS	Beam	78	979	**145**	18	1057	163	1220
B341	2,300+	All ULS	Beam	358	**1016**	132	57	**1374**	189	1563
B341	13,615-	All ULS	Beam	166	977	105	**316**	1143	**421**	1564
B341	13,300-	All ULS	Beam	262	994	67	288	1256	355	**1611**
B342	0,707-	All ULS	Beam	**155**	150	152	223	305	375	680
B342	3,535	All ULS	Beam	75	**309**	**211**	79	**384**	290	674
B342	0,000	All ULS	Beam	142	114	193	**240**	256	**433**	689
B342	0,353-	All ULS	Beam	149	133	186	237	282	423	**705**
B343	1,768-	All ULS	Beam	**90**	315	7	94	405	101	506
B343	0,000	All ULS	Beam	24	330	23	**275**	354	298	652
B343	3,182-	All ULS	Beam	52	435	229	80	**487**	309	796
B343	0,354-	All ULS	Beam	88	330	76	262	418	**338**	756
B343	3,535	All ULS	Beam	44	**436**	**244**	81	480	325	**805**
B344	3,535	All ULS	Beam	**331**	198	**186**	71	**529**	257	786
B344	0,000	All ULS	Beam	0	**518**	116	**210**	518	**326**	**844**
B345	5,040	All ULS	Beam	**230**	44	85	122	274	207	481
B345	2,772+	All ULS	Beam	0	**226**	36	**242**	226	278	504
B345	4,788-	All ULS	Beam	169	85	**155**	81	254	236	490
B345	4,536+	All ULS	Beam	225	137	28	104	**362**	132	494
B345	0,000	All ULS	Beam	127	119	142	156	246	**298**	544
B345	1,512-	All ULS	Beam	84	195	80	187	279	267	**546**
B346	0,000	All ULS	Beam	178	**13**	**21**	**228**	191	**249**	440
B346	0,299	All ULS	Beam	**198**	13	21	214	**211**	235	**446**
B347	3,528+	All ULS	Beam	**181**	77	90	101	258	191	449
B347	1,764-	All ULS	Beam	11	**292**	161	17	303	178	481
B347	2,520-	All ULS	Beam	67	161	**226**	6	228	232	460
B347	0,756-	All ULS	Beam	57	257	89	87	**314**	176	490
B347	4,788-	All ULS	Beam	96	138	201	**184**	234	**385**	**619**
B348	0,000	All ULS	Beam	96	68	**149**	**110**	164	**259**	423
B348	0,301	All ULS	Beam	**136**	**80**	103	110	**216**	213	**429**
B352	2,880-	All ULS	Beam	**602**	366	35	281	968	316	1284
B352	2,250-	All ULS	Beam	423	**666**	328	210	1089	538	1627
B352	0,500-	All ULS	Beam	154	112	**357**	341	266	698	964
B352	0,250-	All ULS	Beam	220	159	249	**495**	379	**744**	1123
B352	2,500-	All ULS	Beam	589	650	265	294	**1239**	559	**1798**
B353	2,500+	All ULS	Beam	**547**	351	104	207	898	311	1209

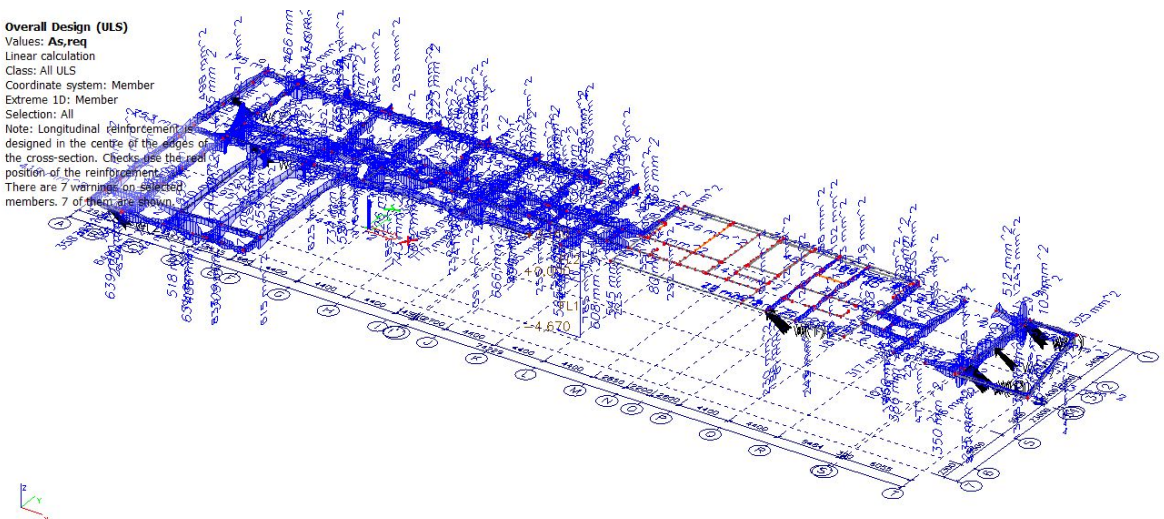
Name	dx [m]	Case	Member	$A_{sz,req+}$ [mm²]	$A_{sz,req-}$ [mm²]	$A_{sy,req+}$ [mm²]	$A_{sy,req-}$ [mm²]	$A_{sz,req}$ [mm²]	$A_{sy,req}$ [mm²]	$A_{s,req}$ [mm²]
B353	4,400+	All ULS	Beam	226	373	384	**430**	599	814	1413
B353	2,250-	All ULS	Beam	450	**499**	97	78	**949**	175	1124
B353	4,700-	All ULS	Beam	305	368	**443**	391	673	**834**	**1507**
B354	0,204-	All ULS	Beam	**675**	637	957	663	1312	1620	2932
B354	3,897-	All ULS	Beam	158	497	**1229**	0	655	1229	1884
B354	1,422+	All ULS	Beam	295	612	32	**1262**	907	1294	2201
B354	0,715-	All ULS	Beam	531	**734**	990	675	1265	**1665**	2930
B354	0,613-	All ULS	Beam	638	702	991	656	**1340**	1647	**2987**
B355	2,142-	All ULS	Beam	**111**	9	**383**	**372**	120	**755**	875
B355	0,000	All ULS	Beam	19	**678**	375	127	**697**	502	**1199**
B356	1,666+	All ULS	Beam	**252**	95	268	188	347	456	803
B356	2,142+	All ULS	Beam	242	129	426	**410**	371	**836**	1207
B356	0,238+	All ULS	Beam	107	**625**	**495**	323	**732**	818	**1550**

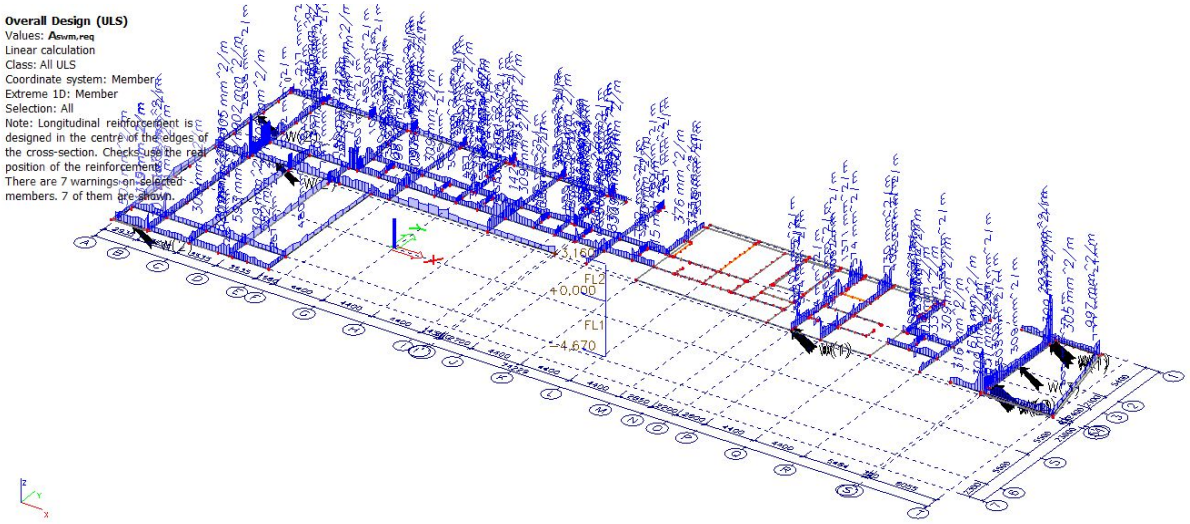
Shear required reinforcement

Name	dx [m]	Case	Member	$A_{swm,req}$ [mm²/m]	$A_{swm,req(\phi/s)}$
B70	0,000	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B71	0,000	All ULS	Rib	**402**	**ϕ8/250mm, (ns=2)**
B71	6,343-	All ULS	Rib	**1092**	**ϕ8/92mm, (ns=2)**
B72	0,528-	All ULS	Rib	**402**	**ϕ8/250mm, (ns=2)**
B72	7,220+	All ULS	Rib	**991**	**ϕ8/101mm, (ns=2)**
B97	0,252-	All ULS	Rib	**309**	**ϕ8/325mm, (ns=2)**
B97	1,009-	All ULS	Rib	**651**	**ϕ8/154mm, (ns=2)**
B98	2,914-	All ULS	Rib	**305**	**ϕ8/330mm, (ns=2)**
B98	9,715	All ULS	Rib	**777**	**ϕ8/129mm, (ns=2)**
B99	3,403-	All ULS	Rib	**305**	**ϕ8/330mm, (ns=2)**
B99	0,000	All ULS	Rib	**997**	**ϕ8/101mm, (ns=2)**
B128	1,804-	All ULS	Rib	**305**	**ϕ8/330mm, (ns=2)**
B128	0,000	All ULS	Rib	**709**	**ϕ8/142mm, (ns=2)**
B129	0,120-	All ULS	Rib	**217**	**ϕ8/463mm, (ns=2)**
B129	18,670-	All ULS	Rib	**608**	**ϕ8/165mm, (ns=2)**
B130	0,000	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B130	2,935	All ULS	Rib	**1115**	**ϕ8/90mm, (ns=2)**
B250	1,439-	All ULS	Rib	**305**	**ϕ8/330mm, (ns=2)**
B250	2,639-	All ULS	Rib	**902**	**ϕ8/111mm, (ns=2)**
B251	0,000	All ULS	Rib	**319**	**ϕ8/315mm, (ns=2)**
B251	2,925	All ULS	Rib	**1679**	**ϕ8/60mm, (ns=2)**
B269	2,760-	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B269	0,760+	All ULS	Rib	**1309**	**ϕ8/77mm, (ns=2)**
B270	0,000	All ULS	Rib	**574**	**ϕ8/175mm, (ns=2)**
B270	0,240-	All ULS	Rib	**1402**	**ϕ8/72mm, (ns=2)**
B271	0,256-	All ULS	Rib	**574**	**ϕ8/175mm, (ns=2)**
B271	0,000	All ULS	Rib	**1460**	**ϕ8/69mm, (ns=2)**
B272	0,000	All ULS	Rib	**574**	**ϕ8/175mm, (ns=2)**
B272	0,246-	All ULS	Rib	**1371**	**ϕ8/73mm, (ns=2)**
B273	0,528+	All ULS	Rib	**730**	**ϕ8/138mm, (ns=2)**
B273	1,584+	All ULS	Rib	**1324**	**ϕ8/76mm, (ns=2)**
B290	0,000	All ULS	Beam	**316**	**ϕ8/318mm, (ns=2)**
B290	2,683	All ULS	Beam	**1618**	**ϕ8/62mm, (ns=2)**
B291	5,286-	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B291	9,267-	All ULS	Beam	**3139**	**ϕ8/32mm, (ns=2)**
B292	1,073-	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B292	0,000	All ULS	Beam	**2223**	**ϕ8/45mm, (ns=2)**
B293	1,061-	All ULS	Beam	**287**	**ϕ8/350mm, (ns=2)**
B293	9,044+	All ULS	Beam	**511**	**ϕ8/197mm, (ns=2)**
B294	1,750-	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B294	1,000-	All ULS	Beam	**533**	**ϕ8/189mm, (ns=2)**
B295	1,250-	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B295	2,500+	All ULS	Beam	**527**	**ϕ8/191mm, (ns=2)**
B296	0,000	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B296	1,050-	All ULS	Beam	**502**	**ϕ8/200mm, (ns=2)**
B297	0,500-	All ULS	Beam	**287**	**ϕ8/350mm, (ns=2)**
B297	0,780+	All ULS	Beam	**480**	**ϕ8/209mm, (ns=2)**
B298	0,265-	All ULS	Beam	**287**	**ϕ8/350mm, (ns=2)**
B298	6,930+	All ULS	Beam	**488**	**ϕ8/206mm, (ns=2)**

Name	dx [m]	Case	Member	$A_{swm,req}$ [mm²/m]	$A_{swm,req(\phi/s)}$
B299	0,500+	All ULS	Beam	**287**	**ϕ8/350mm, (ns=2)**
B299	0,000	All ULS	Beam	**480**	**ϕ8/209mm, (ns=2)**
B300	0,796-	All ULS	Beam	**287**	**ϕ8/350mm, (ns=2)**
B300	9,044-	All ULS	Beam	**883**	**ϕ8/114mm, (ns=2)**
B301	0,500+	All ULS	Beam	**287**	**ϕ8/350mm, (ns=2)**
B301	0,000	All ULS	Beam	**480**	**ϕ8/209mm, (ns=2)**
B302	0,000	All ULS	Beam	**287**	**ϕ8/350mm, (ns=2)**
B302	7,140-	All ULS	Beam	**776**	**ϕ8/130mm, (ns=2)**
B303	3,831+	All ULS	Beam	**315**	**ϕ8/319mm, (ns=2)**
B303	0,000	All ULS	Beam	**837**	**ϕ8/120mm, (ns=2)**
B304	0,250-	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B304	2,980-	All ULS	Beam	**490**	**ϕ8/205mm, (ns=2)**
B305	0,000	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B305	2,100	All ULS	Beam	**792**	**ϕ8/127mm, (ns=2)**
B306	0,450-	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B306	2,700	All ULS	Beam	**860**	**ϕ8/117mm, (ns=2)**
B307	0,450-	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B307	0,200+	All ULS	Beam	**566**	**ϕ8/178mm, (ns=2)**
B308	0,000	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B308	4,400+	All ULS	Beam	**960**	**ϕ8/105mm, (ns=2)**
B309	0,252-	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B309	0,000	All ULS	Beam	**400**	**ϕ8/251mm, (ns=2)**
B310	0,600	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B310	0,300-	All ULS	Beam	**326**	**ϕ8/309mm, (ns=2)**
B311	0,000	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B311	2,268-	All ULS	Beam	**574**	**ϕ8/175mm, (ns=2)**
B312	0,520-	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B312	0,000	All ULS	Beam	**486**	**ϕ8/207mm, (ns=2)**
B313	1,500-	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B313	8,800	All ULS	Beam	**1399**	**ϕ8/72mm, (ns=2)**
B314	0,000	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B314	4,400+	All ULS	Beam	**1123**	**ϕ8/90mm, (ns=2)**
B315	0,262-	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B315	0,000	All ULS	Beam	**555**	**ϕ8/181mm, (ns=2)**
B316	0,000	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B316	4,400+	All ULS	Beam	**563**	**ϕ8/178mm, (ns=2)**
B317	0,000	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B318	0,600	All ULS	Beam	**778**	**ϕ8/129mm, (ns=2)**
B318	0,300-	All ULS	Beam	**857**	**ϕ8/117mm, (ns=2)**
B319	0,000	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B319	2,268-	All ULS	Beam	**520**	**ϕ8/193mm, (ns=2)**
B320	0,780-	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B320	0,000	All ULS	Beam	**487**	**ϕ8/207mm, (ns=2)**
B321	0,550-	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B321	2,100	All ULS	Beam	**886**	**ϕ8/113mm, (ns=2)**
B322	0,000	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B322	1,050+	All ULS	Beam	**488**	**ϕ8/206mm, (ns=2)**
B323	0,000	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B323	2,100	All ULS	Beam	**916**	**ϕ8/110mm, (ns=2)**
B324	0,000	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B324	4,949+	All ULS	Beam	**653**	**ϕ8/154mm, (ns=2)**
B325	0,500+	All ULS	Beam	**287**	**ϕ8/350mm, (ns=2)**
B325	0,000	All ULS	Beam	**480**	**ϕ8/209mm, (ns=2)**
B326	0,500+	All ULS	Beam	**287**	**ϕ8/350mm, (ns=2)**
B326	0,000	All ULS	Beam	**480**	**ϕ8/209mm, (ns=2)**
B327	0,100-	All ULS	Beam	**480**	**ϕ8/209mm, (ns=2)**
B328	0,400-	All ULS	Beam	**287**	**ϕ8/350mm, (ns=2)**
B328	0,500+	All ULS	Beam	**480**	**ϕ8/209mm, (ns=2)**
B329	0,000	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B329	7,070-	All ULS	Beam	**825**	**ϕ8/122mm, (ns=2)**
B330	0,000	All ULS	Beam	**287**	**ϕ8/350mm, (ns=2)**
B330	5,150-	All ULS	Beam	**480**	**ϕ8/209mm, (ns=2)**
B331	1,220+	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B331	7,785+	All ULS	Beam	**712**	**ϕ8/141mm, (ns=2)**
B332	0,000	All ULS	Beam	**287**	**ϕ8/350mm, (ns=2)**
B332	9,730+	All ULS	Beam	**2838**	**ϕ8/35mm, (ns=2)**

Name	dx [m]	Case	Member	$A_{swm,req}$ [mm²/m]	$A_{swm,req(\phi/s)}$
B333	0,000	All ULS	Beam	**287**	**ϕ8/350mm, (ns=2)**
B334	0,756-	All ULS	Beam	**287**	**ϕ8/350mm, (ns=2)**
B334	0,252-	All ULS	Beam	**482**	**ϕ8/209mm, (ns=2)**
B335	0,000	All ULS	Beam	**287**	**ϕ8/350mm, (ns=2)**
B335	1,269-	All ULS	Beam	**446**	**ϕ8/225mm, (ns=2)**
B336	1,300+	All ULS	Beam	**480**	**ϕ8/209mm, (ns=2)**
B336	0,780-	All ULS	Beam	**1064**	**ϕ8/94mm, (ns=2)**
B337	0,000	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B337	3,640-	All ULS	Beam	**472**	**ϕ8/213mm, (ns=2)**
B338	1,750-	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B338	0,000	All ULS	Beam	**961**	**ϕ8/105mm, (ns=2)**
B339	0,000	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B339	1,050+	All ULS	Beam	**470**	**ϕ8/214mm, (ns=2)**
B340	0,460-	All ULS	Beam	**287**	**ϕ8/350mm, (ns=2)**
B340	13,405-	All ULS	Beam	**747**	**ϕ8/135mm, (ns=2)**
B341	5,050-	All ULS	Beam	**287**	**ϕ8/350mm, (ns=2)**
B341	13,405-	All ULS	Beam	**1042**	**ϕ8/96mm, (ns=2)**
B342	1,767+	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B342	1,060+	All ULS	Beam	**582**	**ϕ8/173mm, (ns=2)**
B343	1,414+	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B343	0,000	All ULS	Beam	**593**	**ϕ8/170mm, (ns=2)**
B344	0,000	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B344	2,828+	All ULS	Beam	**573**	**ϕ8/175mm, (ns=2)**
B345	0,000	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B345	4,032+	All ULS	Beam	**586**	**ϕ8/172mm, (ns=2)**
B346	0,000	All ULS	Beam	**316**	**ϕ8/318mm, (ns=2)**
B347	0,000	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B347	2,016-	All ULS	Beam	**575**	**ϕ8/175mm, (ns=2)**
B348	0,000	All ULS	Beam	**373**	**ϕ8/269mm, (ns=2)**
B348	0,301	All ULS	Beam	**376**	**ϕ8/267mm, (ns=2)**
B352	2,500+	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B352	0,000	All ULS	Beam	**1423**	**ϕ8/71mm, (ns=2)**
B353	1,000-	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B353	4,400+	All ULS	Beam	**1053**	**ϕ8/96mm, (ns=2)**
B354	0,715+	All ULS	Beam	**309**	**ϕ8/325mm, (ns=2)**
B354	0,000	All ULS	Beam	**1541**	**ϕ8/65mm, (ns=2)**
B355	2,142+	All ULS	Beam	**367**	**ϕ8/274mm, (ns=2)**
B355	0,952+	All ULS	Beam	**640**	**ϕ8/157mm, (ns=2)**
B356	0,714+	All ULS	Beam	**295**	**ϕ8/340mm, (ns=2)**
B356	1,428-	All ULS	Beam	**740**	**ϕ8/136mm, (ns=2)**





7.4. PRITLIČJE – STENE IN STEBRI TER SLOPI

7.4.1. Internal forces (Design)

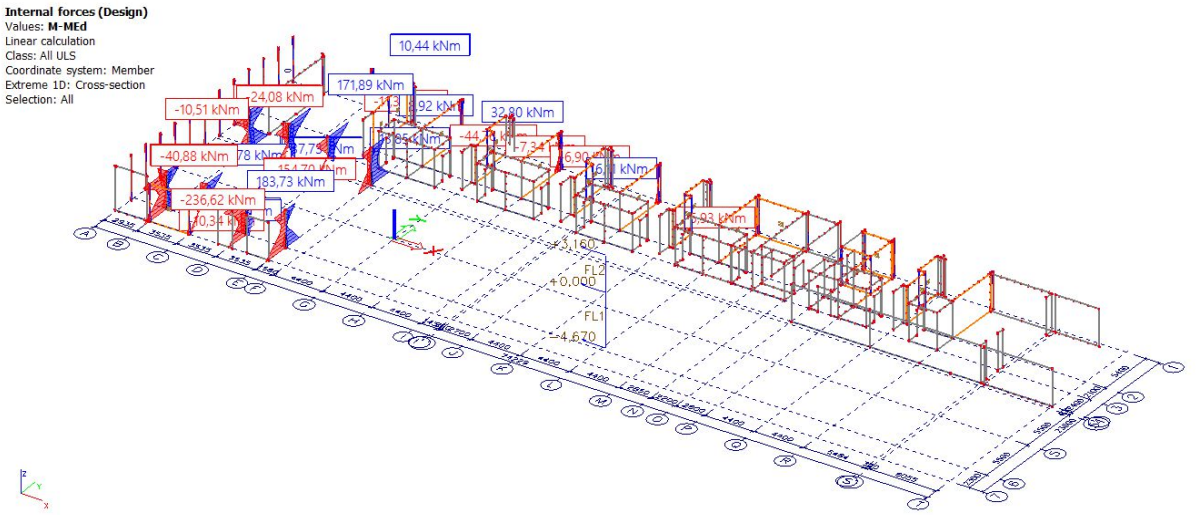
Linear calculation
Class: All ULS; Coordinate system: Member
Extreme 1D: Cross-section; Selection: All

Name	dx [m]	Case	Cross-section	N [kN] N_{Ed} [kN]	V_y [kN] V_{Edy} [kN]	V_z [kN] V_{Edz} [kN]	M_x [kNm] M_{Edx} [kNm]	M_y [kNm] M_{Edy} [kNm]	M_z [kNm] M_{Edz} [kNm]
B6	0,000	ULS-Set B (auto)/1	CS1 - Rectangle (320; 200)	**-75,45** **-75,45**	-4,83 -4,83	7,30 7,30	-0,61 -0,61	-1,61 -1,61	1,85 1,85
B31	0,243-	LC11/2	CS1 - Rectangle (320; 200)	**41,16** **41,16**	-0,37 -0,37	-8,09 -8,09	0,06 0,06	2,30 4,12	0,02 0,07
B34	3,160	LC10/3	CS1 - Rectangle (320; 200)	-23,51 -23,51	**-8,68** **-8,68**	-0,47 -0,47	-0,85 -0,85	0,42 0,50	-2,96 -2,96
B1	0,000	LC11/4	CS1 - Rectangle (320; 200)	-17,13 -17,13	-0,02 -0,02	**-47,81** **-47,81**	0,01 0,01	**32,80** **32,80**	0,00 0,00
B34	0,000	ULS-Seis (auto)/5	CS1 - Rectangle (320; 200)	-15,75 -15,75	-6,46 -6,46	9,96 9,96	**-1,87** **-1,87**	-2,95 -2,95	1,87 1,87
B34	3,160	ULS-Seis (auto)/6	CS1 - Rectangle (320; 200)	2,94 2,94	**11,75** **11,75**	2,38 2,38	**1,45** **1,45**	2,97 2,97	3,82 3,82
B1	0,000	ULS-Seis (auto)/7	CS1 - Rectangle (320; 200)	-14,57 -14,57	-0,66 -0,66	**68,22** **68,22**	0,06 0,06	**-44,76** **-44,76**	0,97 0,97
B4	0,000	ULS-Seis (auto)/8	CS1 - Rectangle (320; 200)	-36,45 -36,45	4,67 4,67	6,80 6,80	-0,33 -0,33	-2,10 -2,10	**-6,90** **-6,90**
B4	0,000	ULS-Seis (auto)/9	CS1 - Rectangle (320; 200)	-27,53 -27,53	-4,15 -4,15	23,37 23,37	0,35 0,35	-15,25 -15,25	**6,11** **6,11**
B274	0,486-	ULS-Set B (auto)/1	CS17 - Rectangle (200; 200)	**-84,26** **-84,26**	-4,62 -4,62	0,73 0,73	-0,06 -0,06	-1,12 -1,16	0,88 1,45
B278	3,160	ULS-Seis (auto)/7	CS17 - Rectangle (200; 200)	**39,30** **39,30**	-9,19 -9,19	1,75 1,75	-0,11 -0,11	3,85 3,85	-5,49 -5,49
B274	0,000	ULS-Seis (auto)/7	CS17 - Rectangle (200; 200)	-45,98 -45,98	**-35,66** **-35,66**	-4,21 -4,21	-0,16 -0,16	1,17 1,17	**13,85** **13,85**
B274	0,000	LC11/4	CS17 - Rectangle (200; 200)	-2,42 -2,42	**26,42** **26,42**	2,94 2,94	0,13 0,13	-0,86 -0,86	-10,20 -10,20
B23	0,000	ULS-Seis (auto)/10	CS17 - Rectangle (200; 200)	-29,23 -29,23	-5,70 -5,70	**-14,44** **-14,44**	-0,22 -0,22	3,06 3,06	1,78 1,78
B12	0,000	ULS-Seis (auto)/11	CS17 - Rectangle (200; 200)	-24,54 -24,54	-5,73 -5,73	-0,37 -0,37	**-1,67** **-1,67**	1,38 1,38	8,05 8,05
B12	0,000	LC11/4	CS17 - Rectangle (200; 200)	2,38 2,38	6,75 6,75	-0,03 -0,03	**1,03** **1,03**	-0,63 -0,63	-7,01 -7,01
B24	0,000	ULS-Seis (auto)/12	CS17 - Rectangle (200; 200)	-31,46 -31,46	0,58 0,58	**17,16** **17,16**	-0,08 -0,08	**-5,93** **-5,93**	1,08 1,08

Name	dx [m]	Case	Cross-section	N [kN] N_{Ed} [kN]	V_y [kN] V_{Edy} [kN]	V_z [kN] V_{Edz} [kN]	M_x [kNm] M_{Edx} [kNm]	M_y [kNm] M_{Edy} [kNm]	M_z [kNm] M_{Edz} [kNm]
B277	0,000	ULS-Seis (auto)/13	CS17 - Rectangle (200; 200)	4,97 4,97	9,36 9,36	-3,34 -3,34	-0,35 -0,35	**5,25** **5,25**	-3,05 -3,05
B277	0,000	ULS-Seis (auto)/14	CS17 - Rectangle (200; 200)	14,84 14,84	17,16 17,16	-1,63 -1,63	-0,15 -0,15	1,44 1,44	**-10,34** **-10,34**
B49	0,000	ULS-Set B (auto)/15	CS13 - Rectangle (200; 200)	**-115,36** **-115,36**	-1,37 -1,37	2,29 2,29	-0,06 -0,06	-3,26 -9,70	2,28 8,77
B50	2,844+	LC11/4	CS13 - Rectangle (200; 200)	**52,02** **52,02**	0,43 0,43	0,66 0,66	0,00 0,00	-0,21 -0,21	-0,14 -0,14
B58	0,000	ULS-Seis (auto)/16	CS13 - Rectangle (200; 200)	-23,34 -23,34	**-4,39** **-4,39**	-0,34 -0,34	0,02 0,02	0,62 0,62	**6,78** 6,78
B51	0,000	ULS-Seis (auto)/17	CS13 - Rectangle (200; 200)	-13,15 -13,15	**3,21** **3,21**	-0,56 -0,56	0,06 0,06	0,87 0,87	-5,80 -5,80
B39	0,000	LC11/4	CS13 - Rectangle (200; 200)	18,55 18,55	0,19 0,19	**-3,62** **-3,62**	-0,01 -0,01	5,77 5,77	-0,30 -0,30
B49	3,160	ULS-Set B (auto)/18	CS13 - Rectangle (200; 200)	-99,10 -99,10	-1,34 -1,34	**7,23** **7,23**	-0,06 -0,06	10,01 15,40	-2,01 -7,79
B38	0,000	ULS-Seis (auto)/21	CS13 - Rectangle (200; 200)	-29,22 -29,22	0,55 0,55	4,63 4,63	-0,04 -0,04	**-7,34** -7,34	-0,85 -0,85
B49	3,160	ULS-Set B (auto)/22	CS13 - Rectangle (200; 200)	-110,63 -110,63	-1,43 -1,43	6,38 6,38	-0,06 -0,06	**10,44** 16,45	-2,14 -8,58
B49	0,000	ULS-Set B (auto)/23	CS13 - Rectangle (200; 200)	-114,51 -114,51	-1,44 -1,44	5,63 5,63	-0,06 -0,06	-4,97 **-11,30**	2,40 **8,92**
B49	3,160	ULS-Set B (auto)/15	CS13 - Rectangle (200; 200)	-111,18 -111,18	-1,37 -1,37	6,37 6,37	-0,06 -0,06	10,43 **16,47**	-2,04 -8,52
B59	3,760	ULS-Set B (auto)/24	CS13 - Rectangle (200; 200)	-38,22 -38,22	-4,05 -4,05	-0,10 -0,10	-0,04 -0,04	-0,19 -0,19	**-10,51** **-10,51**
B275	0,000	ULS-Set B (auto)/25	CS3 - Rectangle (800; 200)	**-469,56** **-469,56**	-3,57 -3,57	-74,88 -74,88	0,06 0,06	50,62 56,54	6,27 33,69
B68	2,844+	LC10/26	CS3 - Rectangle (800; 200)	**34,60** **34,60**	-4,97 -4,97	-24,29 -24,29	-1,43 -1,43	-22,39 -22,39	-9,35 -9,35
B275	0,000	LC10/27	CS3 - Rectangle (800; 200)	17,17 17,17	**15,89** **15,89**	-16,80 -16,80	0,49 0,49	29,35 29,35	-25,78 -25,78
B275	0,000	ULS-Seis (auto)/13	CS3 - Rectangle (800; 200)	-265,58 -265,58	2,27 2,27	**-133,91** **-133,91**	0,05 0,05	**183,73** **183,73**	-3,34 -3,34
B63	1,896-	LC11/28	CS3 - Rectangle (800; 200)	-18,47 -18,47	0,90 0,90	**92,22** **92,22**	-0,24 -0,24	10,34 10,34	0,48 0,48
B68	0,000	LC10/3	CS3 - Rectangle (800; 200)	33,03 33,03	-7,72 -7,72	-25,90 -25,90	**-1,43** **-1,43**	49,42 49,42	11,64 11,64
B68	0,000	ULS-Seis (auto)/10	CS3 - Rectangle (800; 200)	-139,66 -139,66	11,80 11,80	51,70 51,70	**2,19** **2,19**	-116,25 -116,25	-17,23 -17,23
B275	3,160	ULS-Seis (auto)/13	CS3 - Rectangle (800; 200)	-253,24 -253,24	1,05 1,05	-130,36 -130,36	0,05 0,05	**-236,62** **-236,62**	2,87 2,87
B63	3,160	ULS-Seis (auto)/16	CS3 - Rectangle (800; 200)	-201,50 -201,50	-22,99 -22,99	-22,81 -22,81	0,27 0,27	-70,79 -70,79	**-40,88** -40,88
B63	0,000	ULS-Seis (auto)/16	CS3 - Rectangle (800; 200)	-213,90 -213,90	**-26,21** **-26,21**	-23,32 -23,32	0,27 0,27	2,50 2,50	**39,41** 39,41
B63	3,160	ULS-Set B (auto)/24	CS3 - Rectangle (800; 200)	-345,57 -345,57	-15,88 -15,88	-37,56 -37,56	0,68 0,68	-115,85 -119,64	-27,69 **-47,20**
B63	0,000	ULS-Set B (auto)/24	CS3 - Rectangle (800; 200)	-362,31 -362,31	-15,88 -15,88	-37,56 -37,56	0,68 0,68	2,84 9,66	22,50 **41,93**
B276	0,000	ULS-Set B (auto)/1	CS4 - Rectangle (600; 200)	**-461,62** **-461,62**	-4,30 -4,30	55,58 55,58	-0,11 -0,11	-53,28 -57,32	7,01 33,30
B65	2,844+	LC11/28	CS4 - Rectangle (600; 200)	**73,35** **73,35**	-0,23 -0,23	84,77 84,77	0,07 0,07	102,81 102,81	-1,42 -1,42
B65	0,000	ULS-Seis (auto)/16	CS4 - Rectangle (600; 200)	-235,65 -235,65	**-16,16** **-16,16**	-2,01 -2,01	0,45 0,45	20,32 20,32	**25,65** 25,65
B276	0,000	LC10/27	CS4 - Rectangle (600; 200)	-10,20 -10,20	**9,74** **9,74**	-1,53 -1,53	-1,11 -1,11	0,81 0,81	-15,26 -15,26
B65	1,896-	LC11/4	CS4 - Rectangle (600; 200)	-73,35 -73,35	0,28 0,28	**-87,44** **-87,44**	-0,07 -0,07	-21,19 -21,19	1,17 1,17
B276	0,000	ULS-Seis (auto)/29	CS4 - Rectangle (600; 200)	-277,19 -277,19	6,95 6,95	45,48 45,48	**-1,24** **-1,24**	-55,70 -58,13	-10,71 -28,31
B66	0,000	ULS-Seis (auto)/30	CS4 - Rectangle (600; 200)	-219,84 -219,84	-8,94 -8,94	-1,47 -1,47	**1,17** **1,17**	26,88 26,88	14,19 14,19

Name	dx [m]	Case	Cross-section	N [kN] N_{Ed} [kN]	V_y [kN] V_{Edy} [kN]	V_z [kN] V_{Edz} [kN]	M_x [kNm] M_{Edx} [kNm]	M_y [kNm] M_{Edy} [kNm]	M_z [kNm] M_{Edz} [kNm]
B276	0,000	ULS-Seis (auto)/31	CS4 - Rectangle (600; 200)	-270,61 -270,61	-1,46 -1,46	**103,27** **103,27**	-0,40 -0,40	**-152,33** **-154,70**	2,57 21,25
B276	3,160	ULS-Seis (auto)/31	CS4 - Rectangle (600; 200)	-261,31 -261,31	-2,08 -2,08	100,60 100,60	-0,40 -0,40	**171,89** **174,18**	-2,53 -20,54
B65	3,160	ULS-Seis (auto)/17	CS4 - Rectangle (600; 200)	-188,47 -188,47	-13,81 -13,81	42,01 42,01	0,44 0,44	80,92 80,92	**-24,08** -24,08
B65	3,160	ULS-Set B (auto)/24	CS4 - Rectangle (600; 200)	-371,30 -371,30	-11,43 -11,43	21,13 21,13	-0,61 -0,61	59,63 62,81	-18,74 **-39,28**
B65	0,000	ULS-Set B (auto)/24	CS4 - Rectangle (600; 200)	-383,85 -383,85	-11,43 -11,43	21,13 21,13	-0,61 -0,61	-7,14 -10,42	17,39 **37,73**

Name	Combination key
ULS-Set B (auto)/1	1,35*LC1 + 1,35*LC2 + 1,35*LC3 + 1,50*LC4 + 0,90*LC6 + 1,05*LC8
LC11/2	- Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
LC10/3	- Equivalent lateral forces for LC10 + Accidental torsional moments for LC10
LC11/4	- Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
ULS-Seis (auto)/5	LC1 + LC2 - 0,30*Equivalent lateral forces for LC10 - 0,30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Seis (auto)/6	LC1 + LC2 + 0,30*LC9 + Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 - 0,30*Equivalent lateral forces for LC11 - 0,30*Accidental torsional moments for LC11
ULS-Seis (auto)/7	LC1 + LC2 - 0,30*Equivalent lateral forces for LC10 - 0,30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Seis (auto)/8	LC1 + LC2 + Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 - 0,30*Equivalent lateral forces for LC11 - 0,30*Accidental torsional moments for LC11
ULS-Seis (auto)/9	LC1 + LC2 + 0,30*LC9 - Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 + 0,30*Equivalent lateral forces for LC11 + 0,30*Accidental torsional moments for LC11
ULS-Seis (auto)/10	LC1 + LC2 + 0,30*LC9 + Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 + 0,30*Equivalent lateral forces for LC11 - 0,30*Accidental torsional moments for LC11
ULS-Seis (auto)/11	LC1 + LC2 + 0,30*LC9 - 0,30*Equivalent lateral forces for LC10 - 0,30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Seis (auto)/12	LC1 + LC2 + Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 + 0,30*Equivalent lateral forces for LC11 - 0,30*Accidental torsional moments for LC11
ULS-Seis (auto)/13	LC1 + LC2 + 0,30*Equivalent lateral forces for LC10 + 0,30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
ULS-Seis (auto)/14	LC1 + LC2 + 0,30*LC9 + Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 + 0,30*Equivalent lateral forces for LC11 + 0,30*Accidental torsional moments for LC11
ULS-Set B (auto)/15	1,35*LC1 + 1,35*LC2 + 1,35*LC3 + 1,50*LC4 + 0,90*LC5 + 1,05*LC7
ULS-Seis (auto)/16	LC1 + LC2 - Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 - 0,30*Equivalent lateral forces for LC11 - 0,30*Accidental torsional moments for LC11
ULS-Seis (auto)/17	LC1 + LC2 - Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 + 0,30*Equivalent lateral forces for LC11 - 0,30*Accidental torsional moments for LC11
ULS-Set B (auto)/18	1,35*LC1 + 1,35*LC2 + 1,35*LC3 + 0,75*LC4 + 1,50*LC5
ULS-Seis (auto)/19	LC1 + LC2 - 0,30*Equivalent lateral forces for LC10 + 0,30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
ULS-Seis (auto)/20	LC1 + LC2 + 0,30*LC9 + 0,30*Equivalent lateral forces for LC10 - 0,30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Seis (auto)/21	LC1 + LC2 + 0,30*LC9 + 0,30*Equivalent lateral forces for LC10 - 0,30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Set B (auto)/22	1,35*LC1 + 1,35*LC2 + 1,35*LC3 + 1,50*LC4 + 0,90*LC5
ULS-Set B (auto)/23	1,35*LC1 + 1,35*LC2 + 1,35*LC3 + 1,50*LC4 + 0,90*LC6
ULS-Set B (auto)/24	1,35*LC1 + 1,35*LC2 + 1,35*LC3 + 1,50*LC4
ULS-Set B (auto)/25	1,35*LC1 + 1,35*LC2 + 1,35*LC3 + 1,50*LC4 + 0,90*LC6 + 1,05*LC7
LC10/26	- Equivalent lateral forces for LC10 - Accidental torsional moments for LC10
LC10/27	Equivalent lateral forces for LC10 + Accidental torsional moments for LC10
LC11/28	Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Seis (auto)/29	LC1 + LC2 + Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 + 0,30*Equivalent lateral forces for LC11 + 0,30*Accidental torsional moments for LC11
ULS-Seis (auto)/30	LC1 + LC2 + 0,30*LC9 - Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 - 0,30*Equivalent lateral forces for LC11 - 0,30*Accidental torsional moments for LC11
ULS-Seis (auto)/31	LC1 + LC2 + 0,30*Equivalent lateral forces for LC10 - 0,30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11



7.4.2. Overall Design (ULS)

Linear calculation
Class: All ULS; Coordinate system: Member
Extreme 1D: Member; Selection: All

Longitudinal required reinforcement

Name	dx [m]	Case	Member	$A_{sz,req+}$ [mm²]	$A_{sz,req-}$ [mm²]	$A_{sy,req+}$ [mm²]	$A_{sy,req-}$ [mm²]	$A_{sz,req}$ [mm²]	$A_{sy,req}$ [mm²]	$A_{s,req}$ [mm²]
B1	3,160	All ULS	Beam	113	129	5	**18**	242	23	265
B1	0,000	All ULS	Beam	**364**	**266**	**37**	13	**630**	**50**	**680**
B4	0,972-	All ULS	Beam	74	74	4	**25**	148	29	177
B4	3,160	All ULS	Beam	90	129	**38**	22	219	**60**	279
B4	0,000	All ULS	Beam	**342**	**272**	27	0	**614**	27	**641**
B5	0,000	All ULS	Beam	**193**	**160**	**23**	**16**	**353**	**39**	**392**
B6	2,431-	All ULS	Beam	**54**	0	0	11	54	11	65
B6	0,729-	All ULS	Beam	0	**56**	11	0	56	11	67
B6	3,160	All ULS	Beam	2	32	**32**	**33**	34	**65**	99
B6	0,000	All ULS	Beam	50	37	9	21	**87**	30	**117**
B7	1,945-	All ULS	Beam	8	0	19	**49**	8	68	76
B7	0,972-	All ULS	Beam	**78**	11	1	3	**89**	4	93
B7	0,000	All ULS	Beam	18	8	**42**	26	26	**68**	94
B7	0,486-	All ULS	Beam	42	**41**	29	4	83	33	**116**
B11	1,215-	All ULS	Beam	**44**	12	1	2	56	3	59
B11	1,945-	All ULS	Beam	24	**50**	11	5	**74**	16	90
B11	0,000	All ULS	Beam	12	20	**152**	**183**	32	**335**	**367**
B12	3,160	All ULS	Beam	1	**26**	68	91	27	159	186
B12	0,000	All ULS	Beam	**20**	16	**130**	**110**	**36**	**240**	**276**
B17	1,945-	All ULS	Beam	**28**	10	67	9	38	76	114
B17	1,458-	All ULS	Beam	14	**37**	30	21	**51**	51	102
B17	0,000	All ULS	Beam	9	20	**106**	**150**	29	**256**	**285**
B18	0,486-	All ULS	Beam	**19**	0	64	29	19	93	112
B18	3,160	All ULS	Beam	2	**29**	56	**80**	**31**	136	167
B18	0,000	All ULS	Beam	18	8	**104**	70	26	**174**	**200**
B23	2,188-	All ULS	Beam	18	**44**	2	3	62	5	67
B23	0,000	All ULS	Beam	7	35	**36**	24	42	**60**	102
B23	3,160	All ULS	Beam	**76**	0	0	**38**	**76**	38	**114**
B24	0,486-	All ULS	Beam	29	**38**	18	9	67	27	94
B24	2,917-	All ULS	Beam	12	1	6	**33**	13	39	52
B24	2,674-	All ULS	Beam	8	9	**69**	28	17	**97**	114
B24	0,000	All ULS	Beam	**66**	31	6	16	**97**	22	**119**
B29	1,945-	All ULS	Beam	**77**	10	2	1	**87**	3	90
B29	0,000	All ULS	Beam	23	**38**	**56**	**33**	61	**89**	**150**
B30	3,160	All ULS	Beam	3	**62**	0	16	65	16	81
B30	2,188-	All ULS	Beam	3	4	**40**	14	7	54	61
B30	2,917-	All ULS	Beam	0	9	0	**33**	9	33	42
B30	1,945-	All ULS	Beam	**70**	3	8	11	**73**	19	92
B30	2,431-	All ULS	Beam	4	5	39	18	9	**57**	66
B30	0,000	All ULS	Beam	65	7	22	7	72	29	**101**

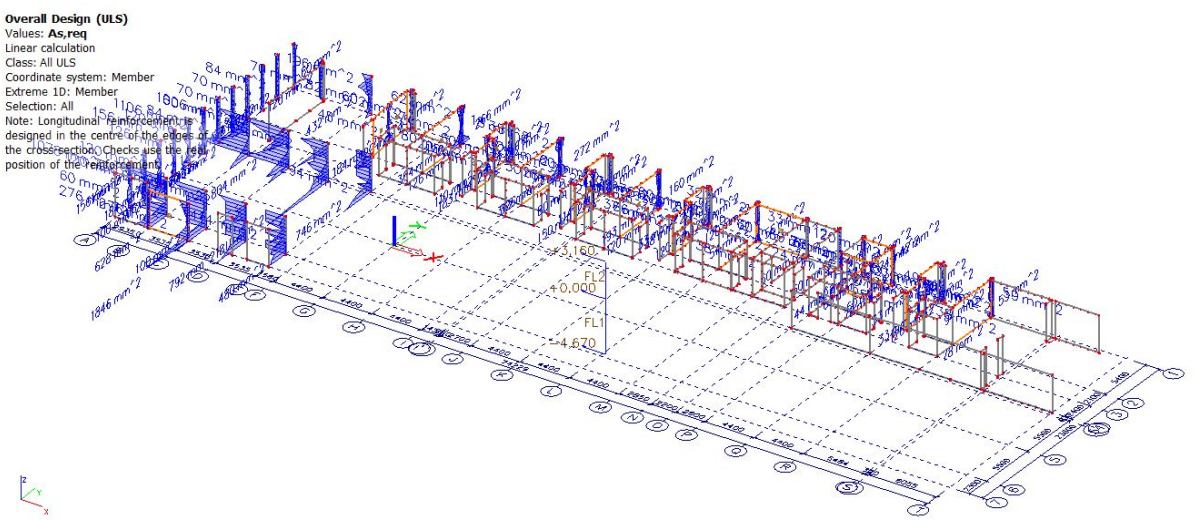
Name	dx [m]	Case	Member	$A_{sz,req+}$ [mm²]	$A_{sz,req-}$ [mm²]	$A_{sy,req+}$ [mm²]	$A_{sy,req-}$ [mm²]	$A_{sz,req}$ [mm²]	$A_{sy,req}$ [mm²]	$A_{s,req}$ [mm²]
B31	1,458-	All ULS	Beam	**21**	0	17	16	21	33	54
B31	1,702-	All ULS	Beam	2	2	**78**	5	4	**83**	87
B31	0,000	All ULS	Beam	4	**64**	27	**33**	**68**	60	**128**
B32	0,972-	All ULS	Beam	0	**25**	7	11	25	18	43
B32	2,674-	All ULS	Beam	9	22	**9**	8	31	17	48
B32	0,000	All ULS	Beam	18	21	1	**44**	39	**45**	84
B32	2,188-	All ULS	Beam	**24**	17	3	41	**41**	44	**85**
B33	2,431-	All ULS	Beam	0	**52**	1	1	52	2	54
B33	3,160	All ULS	Beam	15	7	1	**63**	22	64	86
B33	2,917-	All ULS	Beam	1	4	**74**	8	5	**82**	87
B33	2,188-	All ULS	Beam	**77**	10	2	0	**87**	2	**89**
B34	3,160	All ULS	Beam	50	35	3	**59**	85	62	147
B34	0,243-	All ULS	Beam	**78**	38	43	0	**116**	43	159
B34	0,000	All ULS	Beam	45	**53**	**74**	16	98	**90**	**188**
B35	2,528+	All ULS	Column	**120**	**0**	0	**0**	**120**	0	120
B35	0,000	All ULS	Column	60	0	**60**	0	60	**60**	**120**
B36	2,844-	All ULS	Column	70	**0**	**62**	**0**	70	**62**	132
B36	0,316-	All ULS	Column	**126**	0	60	0	**126**	60	**186**
B37	0,000	All ULS	Column	**120**	**0**	**60**	**0**	**120**	**60**	**180**
B38	0,632-	All ULS	Column	60	**0**	**60**	**0**	60	**60**	120
B38	0,000	All ULS	Column	**142**	0	0	0	**142**	0	**142**
B39	0,000	All ULS	Column	**326**	**0**	**100**	**0**	**326**	**100**	**426**
B40	0,632-	All ULS	Column	60	**0**	**60**	**0**	60	**60**	120
B40	0,316-	All ULS	Column	**120**	0	0	0	**120**	0	**120**
B41	2,844-	All ULS	Column	0	**0**	**120**	**0**	0	**120**	120
B41	0,000	All ULS	Column	**60**	0	60	0	**60**	60	**120**
B42	0,000	All ULS	Column	**114**	**0**	**60**	**0**	**114**	**60**	**174**
B43	1,264-	All ULS	Column	**120**	**0**	0	**0**	**120**	0	120
B43	0,000	All ULS	Column	60	0	**60**	0	60	**60**	**120**
B44	0,632-	All ULS	Column	**120**	**0**	0	**0**	**120**	0	120
B44	0,000	All ULS	Column	60	0	**60**	0	60	**60**	**120**
B45	0,000	All ULS	Column	**60**	**0**	**60**	**0**	**60**	**60**	**120**
B46	3,160	All ULS	Column	**94**	**0**	**60**	**0**	**94**	**60**	**154**
B47	0,000	All ULS	Column	**60**	**0**	**60**	**0**	**60**	**60**	**120**
B48	0,000	All ULS	Column	**60**	**0**	**60**	**0**	**60**	**60**	**120**
B49	3,160	All ULS	Column	**432**	**0**	**196**	**0**	**432**	**196**	**628**
B50	3,160	All ULS	Column	**120**	**0**	0	**0**	**120**	0	120
B50	0,000	All ULS	Column	60	0	**70**	0	60	**70**	**130**
B51	0,000	All ULS	Column	**60**	**0**	**82**	**0**	**60**	**82**	**142**
B52	0,000	All ULS	Column	**98**	**0**	**84**	**0**	**98**	**84**	**182**
B53	0,000	All ULS	Column	**114**	**0**	**70**	**0**	**114**	**70**	**184**
B54	0,000	All ULS	Column	**212**	**0**	**70**	**0**	**212**	**70**	**282**
B55	1,504-	All ULS	Column	**120**	**0**	0	**0**	**120**	0	120
B55	0,000	All ULS	Column	98	0	**60**	0	98	**60**	**158**
B56	0,376-	All ULS	Column	**170**	**0**	**84**	**0**	**170**	**84**	**254**
B57	1,880-	All ULS	Column	0	**0**	**120**	**0**	0	**120**	120
B57	0,376-	All ULS	Column	**212**	0	98	0	**212**	98	**310**
B58	0,000	All ULS	Column	**276**	**0**	**126**	**0**	**276**	**126**	**402**
B59	0,376-	All ULS	Column	**106**	**0**	60	**0**	**106**	60	166
B59	3,760	All ULS	Column	84	0	**156**	0	84	**156**	**240**
B60	1,880-	All ULS	Column	0	**0**	**120**	**0**	0	**120**	120
B60	0,000	All ULS	Column	**184**	0	84	0	**184**	84	**268**
B61	1,880-	All ULS	Column	0	**0**	**120**	**0**	0	**120**	120
B61	3,760	All ULS	Column	**156**	0	70	0	**156**	70	**226**
B62	3,760	All ULS	Column	**156**	**0**	**60**	**0**	**156**	**60**	**216**
B63	0,632-	All ULS	Column	**628**	**0**	414	**0**	**628**	414	1042
B63	3,160	All ULS	Column	230	0	**1078**	0	230	**1078**	**1308**
B64	3,160	All ULS	Column	314	**0**	**550**	**0**	314	**550**	864
B64	0,000	All ULS	Column	**792**	0	414	0	**792**	414	**1206**
B65	3,160	All ULS	Column	**846**	**0**	616	**0**	**846**	616	1462
B65	0,000	All ULS	Column	604	0	**1106**	0	604	**1106**	**1710**
B66	2,844-	All ULS	Column	340	**0**	**566**	**0**	340	**566**	906
B66	0,000	All ULS	Column	**1810**	0	302	0	**1810**	302	**2112**
B67	0,000	All ULS	Column	**746**	**0**	0	**0**	**746**	0	746
B67	0,316-	All ULS	Column	590	0	**294**	0	590	**294**	**884**
B68	0,948-	All ULS	Column	**480**	**0**	0	**0**	**480**	0	480

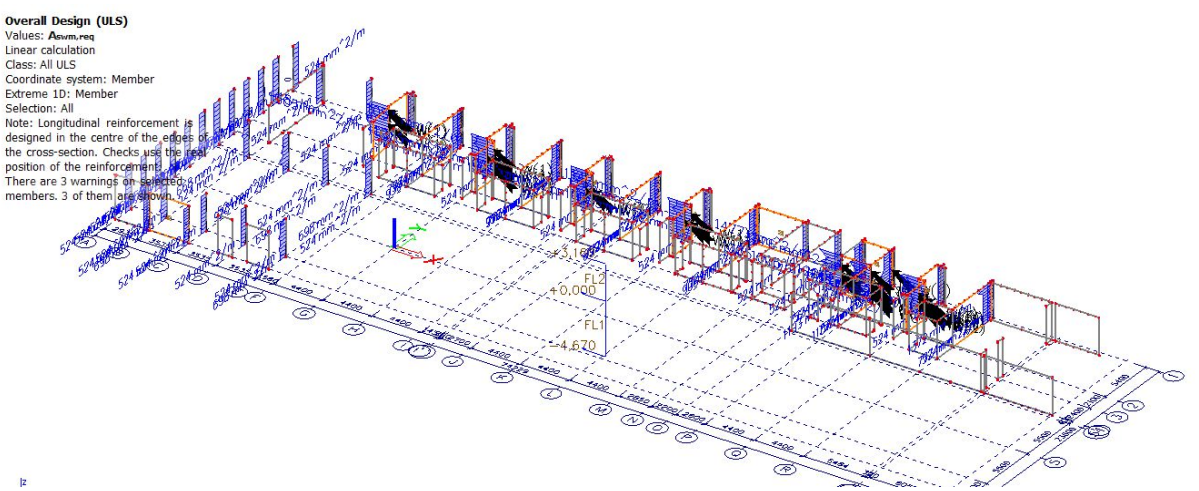
Name	dx [m]	Case	Member	$A_{sz,req+}$ [mm²]	$A_{sz,req-}$ [mm²]	$A_{sy,req+}$ [mm²]	$A_{sy,req-}$ [mm²]	$A_{sz,req}$ [mm²]	$A_{sy,req}$ [mm²]	$A_{s,req}$ [mm²]
B68	0,000	All ULS	Column	472	0	**414**	0	472	**414**	**886**
B274	1,215-	All ULS	Beam	**45**	11	4	4	56	8	64
B274	1,702-	All ULS	Beam	13	**80**	3	2	**93**	5	98
B274	0,000	All ULS	Beam	12	17	**153**	**184**	29	**337**	**366**
B275	3,160	All ULS	Column	396	**0**	**736**	**0**	396	**736**	1132
B275	0,316-	All ULS	Column	**1846**	0	414	0	**1846**	414	**2260**
B276	3,160	All ULS	Column	**804**	**0**	**1006**	**0**	**804**	**1006**	**1810**
B277	0,000	All ULS	Column	**100**	**0**	**276**	**0**	**100**	**276**	**376**
B278	3,160	All ULS	Column	**100**	**0**	**276**	**0**	**100**	**276**	**376**

Shear required reinforcement

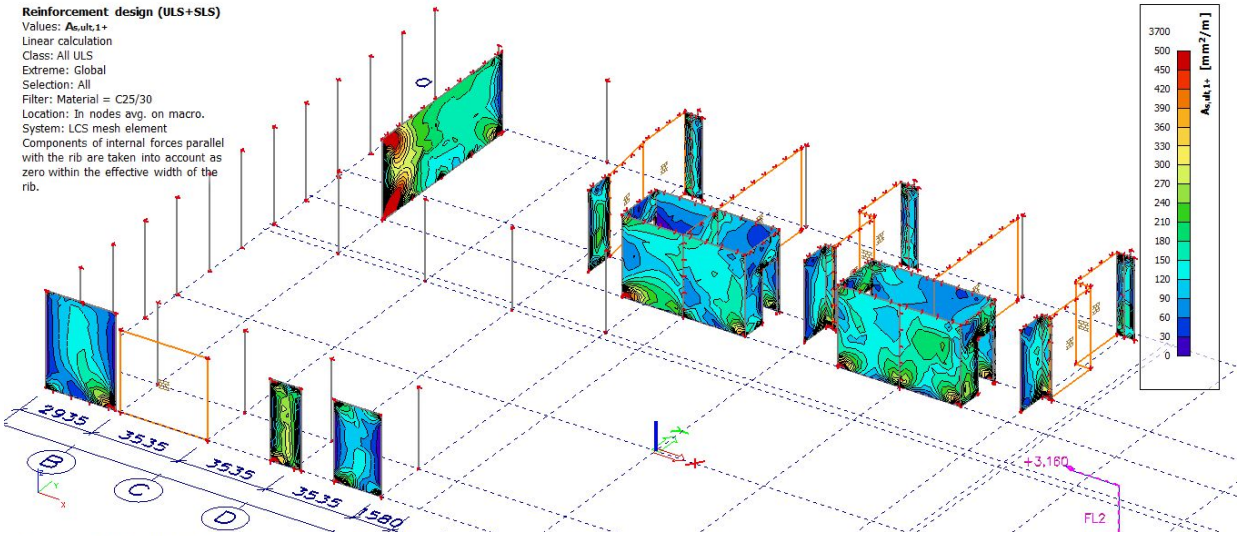
Name	dx [m]	Case	Member	$A_{swm,req}$ [mm²/m]	$A_{swm,req(\phi/s)}$
B1	0,000	All ULS	Beam	**773**	**ϕ8/130mm, (ns=2)**
B1	1,215-	All ULS	Beam	**930**	**ϕ8/108mm, (ns=2)**
B4	0,000	All ULS	Beam	**773**	**ϕ8/130mm, (ns=2)**
B4	1,458-	All ULS	Beam	**916**	**ϕ8/110mm, (ns=2)**
B5	0,000	All ULS	Beam	**773**	**ϕ8/130mm, (ns=2)**
B5	1,458-	All ULS	Beam	**899**	**ϕ8/112mm, (ns=2)**
B6	0,000	All ULS	Beam	**773**	**ϕ8/130mm, (ns=2)**
B6	1,215-	All ULS	Beam	**906**	**ϕ8/111mm, (ns=2)**
B7	0,000	All ULS	Beam	**773**	**ϕ8/130mm, (ns=2)**
B7	1,458-	All ULS	Beam	**1157**	**ϕ8/87mm, (ns=2)**
B11	0,000	All ULS	Beam	**1005**	**ϕ8/100mm, (ns=2)**
B11	0,729-	All ULS	Beam	**1380**	**ϕ8/73mm, (ns=2)**
B12	0,000	All ULS	Beam	**1005**	**ϕ8/100mm, (ns=2)**
B12	3,160	All ULS	Beam	**1054**	**ϕ8/95mm, (ns=2)**
B17	0,000	All ULS	Beam	**1005**	**ϕ8/100mm, (ns=2)**
B17	0,972-	All ULS	Beam	**1403**	**ϕ8/72mm, (ns=2)**
B18	0,000	All ULS	Beam	**1005**	**ϕ8/100mm, (ns=2)**
B23	0,000	All ULS	Beam	**1005**	**ϕ8/100mm, (ns=2)**
B23	2,431-	All ULS	Beam	**1280**	**ϕ8/79mm, (ns=2)**
B24	0,000	All ULS	Beam	**1005**	**ϕ8/100mm, (ns=2)**
B24	3,160	All ULS	Beam	**1142**	**ϕ8/88mm, (ns=2)**
B29	0,000	All ULS	Beam	**1005**	**ϕ8/100mm, (ns=2)**
B29	1,215-	All ULS	Beam	**1338**	**ϕ8/75mm, (ns=2)**
B30	0,243-	All ULS	Beam	**1005**	**ϕ8/100mm, (ns=2)**
B30	1,458-	All ULS	Beam	**1218**	**ϕ8/83mm, (ns=2)**
B31	0,000	All ULS	Beam	**773**	**ϕ8/130mm, (ns=2)**
B31	0,729-	All ULS	Beam	**1103**	**ϕ8/91mm, (ns=2)**
B32	0,000	All ULS	Beam	**1005**	**ϕ8/100mm, (ns=2)**
B32	3,160	All ULS	Beam	**1477**	**ϕ8/68mm, (ns=2)**
B33	0,000	All ULS	Beam	**1005**	**ϕ8/100mm, (ns=2)**
B33	2,917-	All ULS	Beam	**1376**	**ϕ8/73mm, (ns=2)**
B34	0,000	All ULS	Beam	**773**	**ϕ8/130mm, (ns=2)**
B34	3,160	All ULS	Beam	**1372**	**ϕ8/73mm, (ns=2)**
B35	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B36	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B37	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B38	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B39	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B40	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B41	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B42	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B43	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B44	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B45	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B46	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B47	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B48	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B49	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B50	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B51	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B52	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B53	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B54	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**

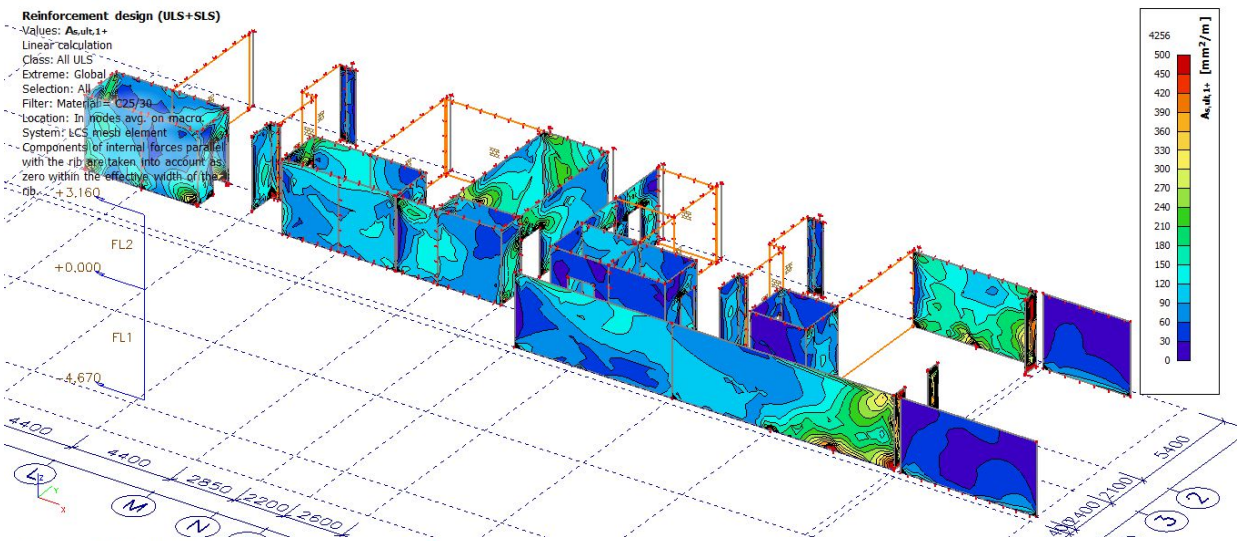
Name	dx [m]	Case	Member	$A_{swm,req}$ [mm²/m]	$A_{swm,req(\phi/s)}$
B55	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B56	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B57	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B58	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B59	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B60	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B61	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B62	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B63	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B63	0,948-	All ULS	Column	**698**	**ϕ8/144mm, (ns=2)**
B64	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B65	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B65	2,212-	All ULS	Column	**668**	**ϕ8/150mm, (ns=2)**
B66	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B66	0,316-	All ULS	Column	**698**	**ϕ8/144mm, (ns=2)**
B67	0,316-	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B67	0,000	All ULS	Column	**698**	**ϕ8/144mm, (ns=2)**
B68	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B68	0,948-	All ULS	Column	**698**	**ϕ8/144mm, (ns=2)**
B274	0,000	All ULS	Beam	**1005**	**ϕ8/100mm, (ns=2)**
B274	1,702-	All ULS	Beam	**1448**	**ϕ8/69mm, (ns=2)**
B275	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B276	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B276	1,264-	All ULS	Column	**923**	**ϕ8/109mm, (ns=2)**
B277	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**
B278	0,000	All ULS	Column	**524**	**ϕ8/192mm, (ns=2)**

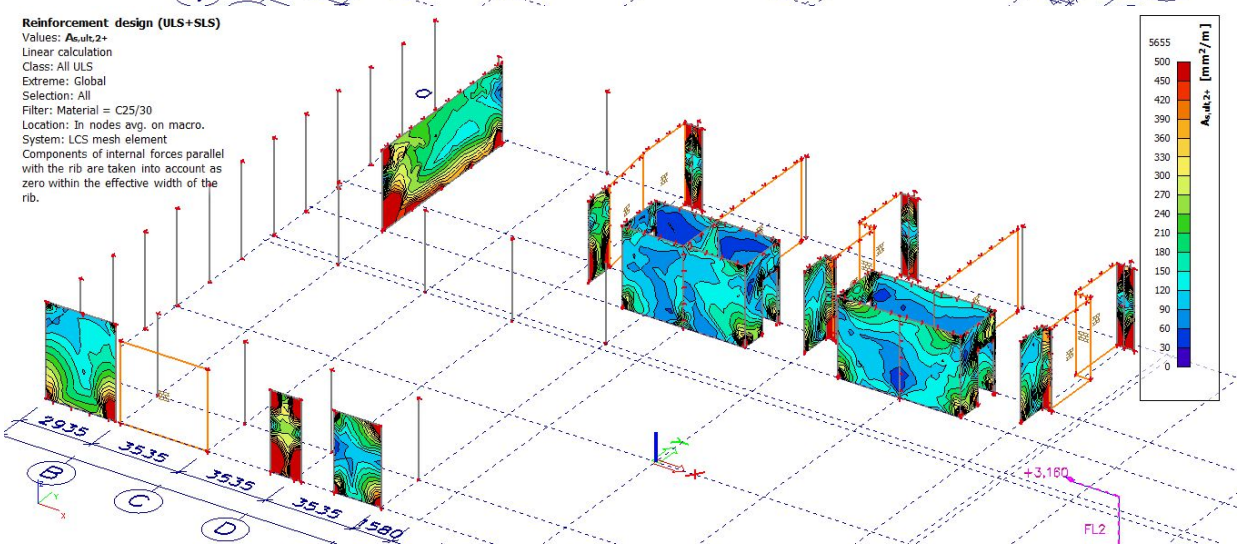


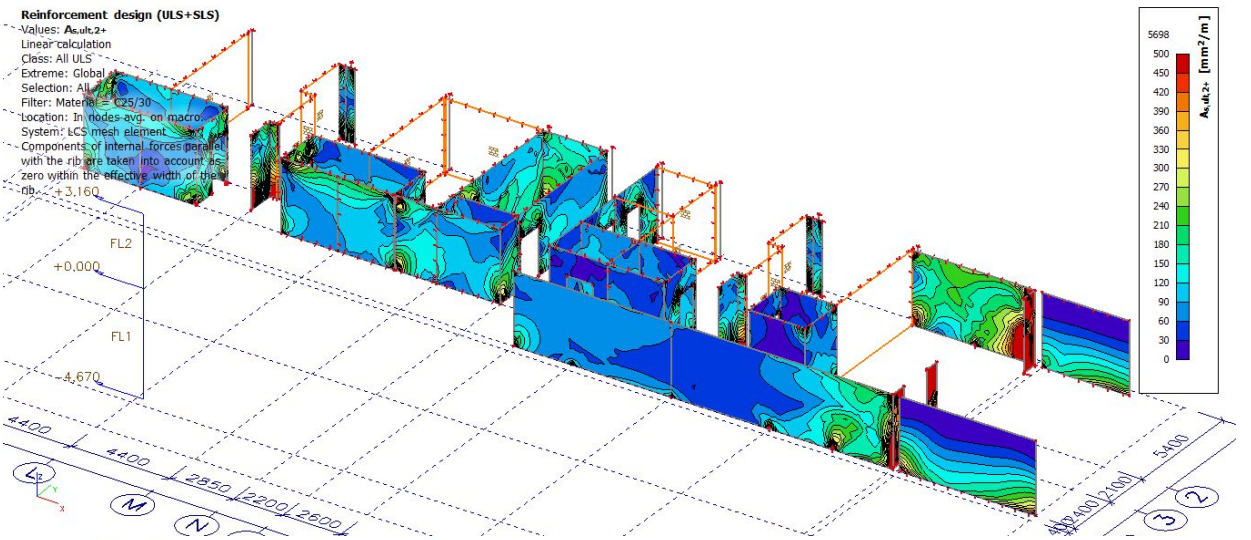


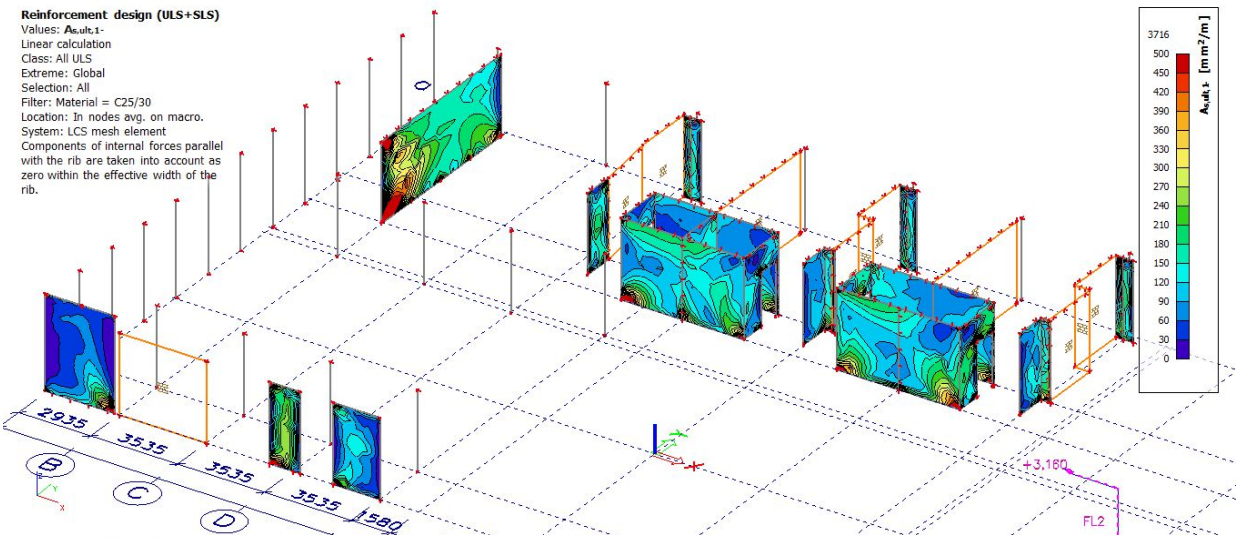
7.4.3. Overall Design (ULS)

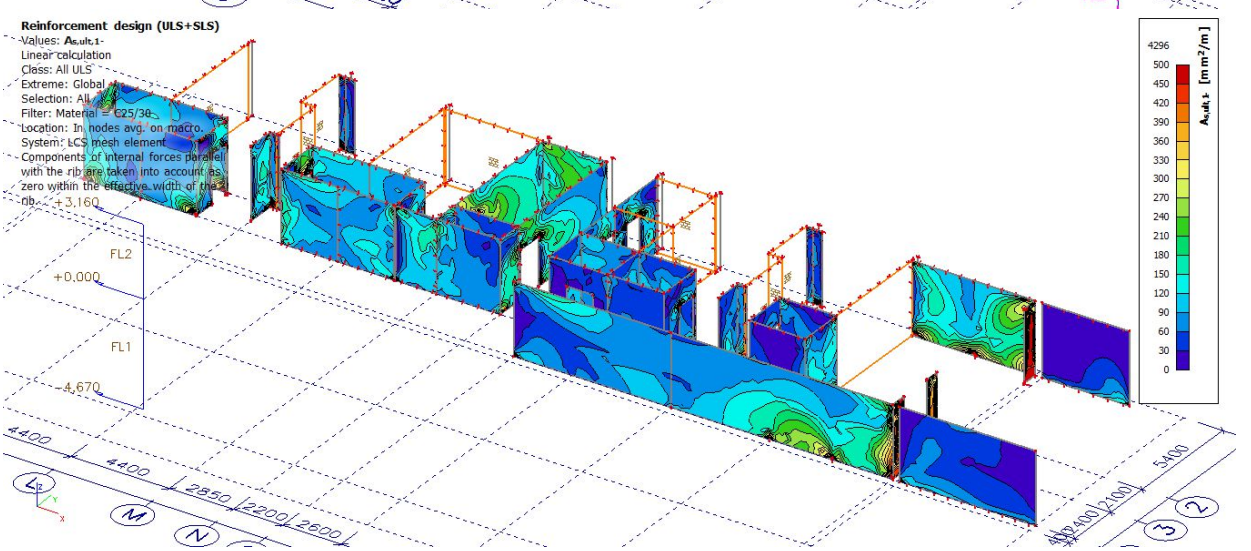


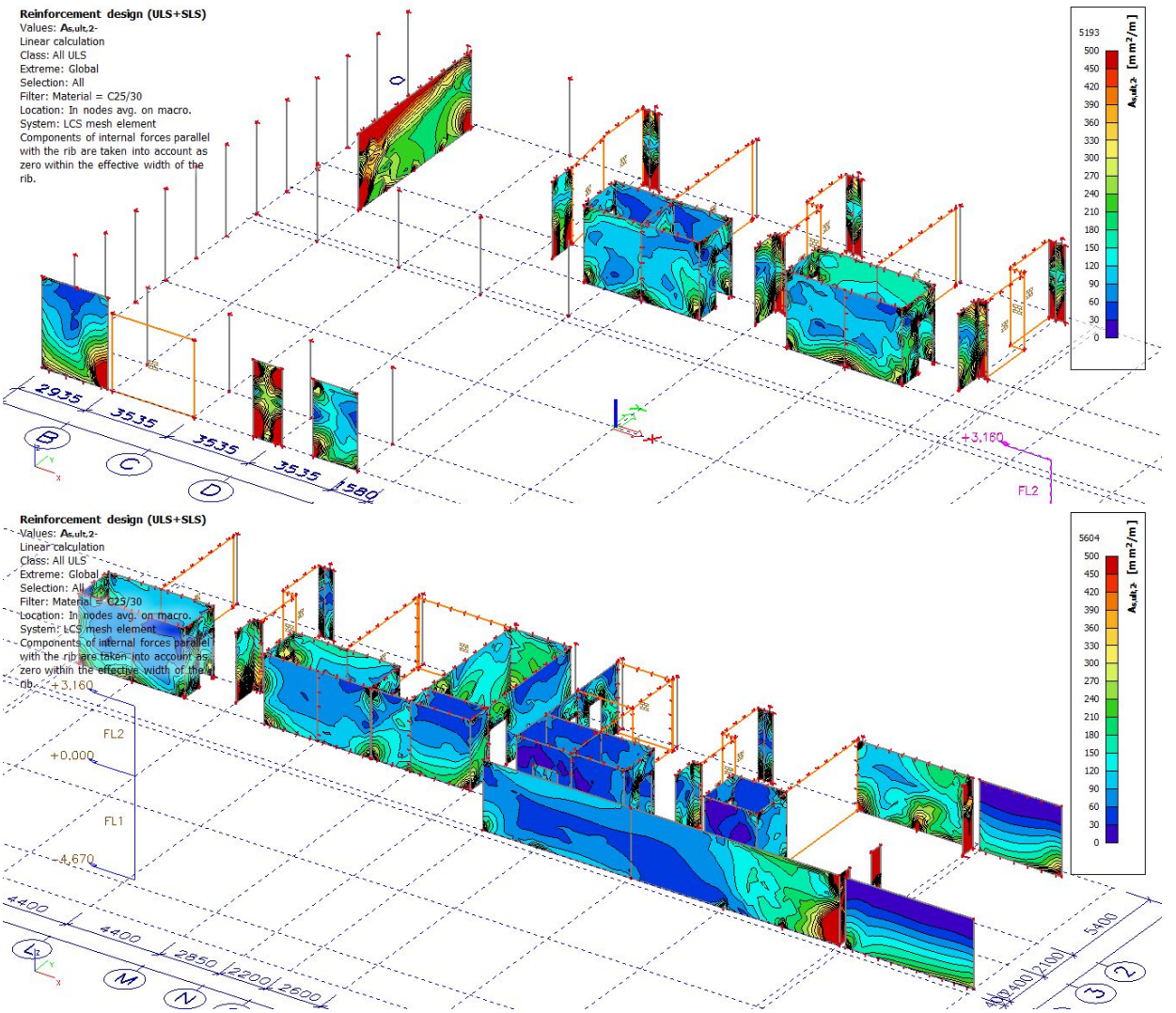





Reinforcement design (ULS+SLS)
Values: As,ult,2+
Linear calculation
Class: All ULS
Extreme: Global
Selection: All
Filter: Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh element
Components of internal forces parallel with the rib are taken into account as zero within the effective width of the rib.
+3,160
FL2
+0,000
FL1
-4,670
4400
4400
2850
2200
2600
5400
2100
5698
As,ult,2+ [mm²/m]


Reinforcement design (ULS+SLS)
Values: As,ult,1-
Linear calculation
Class: All ULS
Extreme: Global
Selection: All
Filter: Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh element
Components of internal forces parallel with the rib are taken into account as zero within the effective width of the rib.
2935
3535
3535
3535
1580
+3,160
FL2
3716
As,ult,1- [mm²/m]


Reinforcement design (ULS+SLS)
Values: As,ult,1-
Linear calculation
Class: All ULS
Extreme: Global
Selection: All
Filter: Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh element
Components of internal forces parallel with the rib are taken into account as zero within the effective width of the rib.
+3,160
FL2
+0,000
FL1
-4,670
4400
4400
2850
2200
2600
5400
2100
4296
As,ult,1- [mm²/m]



7.5. PRITLIČJE – STREŠNA PLOŠČA IN NOSILCI

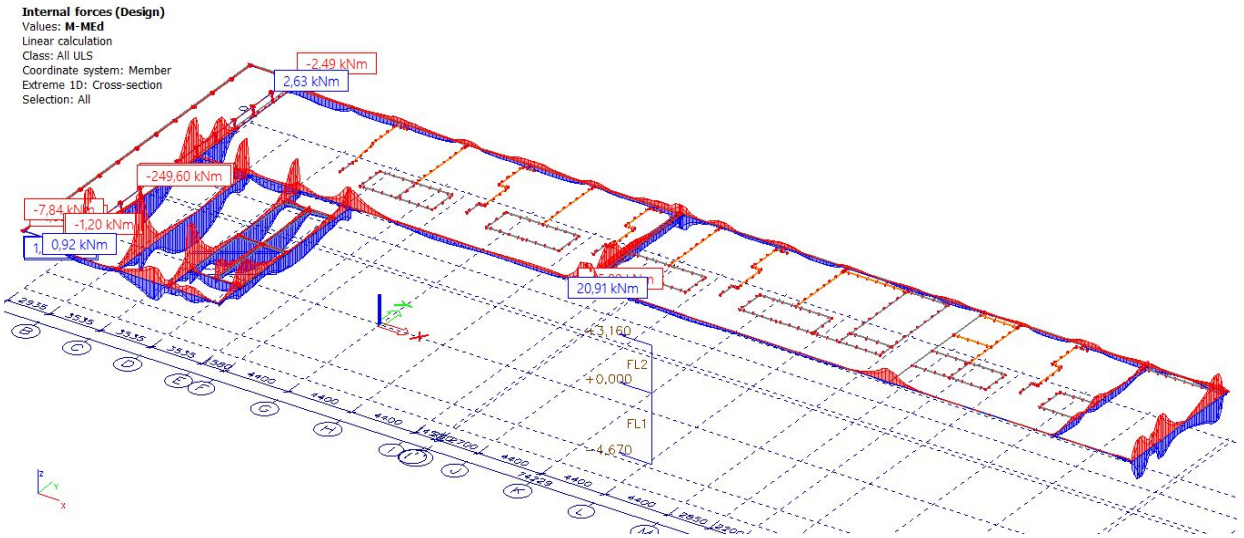
7.5.1. Internal forces (Design)

Linear calculation
Class: All ULS; Coordinate system: Member
Extreme 1D: Cross-section; Selection: All

Name	dx [m]	Case	Cross-section	N [kN] N_{Ed} [kN]	V_y [kN] V_{Edy} [kN]	V_z [kN] V_{Edz} [kN]	M_x [kNm] M_{Edx} [kNm]	M_y [kNm] M_{Edy} [kNm]	M_z [kNm] M_{Edz} [kNm]
B279	7,800-	ULS-Set B (auto)/1	CS10 - Rectangle (500; 200)	**-584,71** **-584,71**	-0,54 -0,54	2,87 2,87	-0,48 -0,48	**123,36** **123,36**	0,05 0,05
B279	13,300-	ULS-Set B (auto)/2	CS10 - Rectangle (500; 200)	**582,13** **582,13**	-13,53 -13,53	-109,52 -109,52	-1,82 -1,82	-154,08 -154,08	-1,06 -1,06
B286	0,000	ULS-Seis (auto)/3	CS10 - Rectangle (500; 200)	-87,20 -87,20	**-181,47** **-181,47**	-84,99 -84,99	-31,79 -31,79	26,46 35,82	12,17 12,17
B165	2,740-	ULS-Seis (auto)/4	CS10 - Rectangle (500; 200)	278,00 278,00	8,74 8,74	**-217,16** **-217,16**	14,58 14,58	-61,29 -103,64	4,14 4,35
B283	0,000	ULS-Seis (auto)/5	CS10 - Rectangle (500; 200)	18,92 18,92	**196,15** **196,15**	12,76 12,76	**45,37** **45,37**	-39,47 -39,47	-7,52 -7,52
B279	2,300+	ULS-Set B (auto)/6	CS10 - Rectangle (500; 200)	550,59 550,59	2,47 2,47	**272,08** **272,08**	-1,97 -1,97	**-249,60** **-249,60**	-0,81 -0,81
B287	0,000	ULS-Seis (auto)/5	CS10 - Rectangle (500; 200)	-461,43 -461,43	-26,44 -26,44	46,80 46,80	**-51,04** **-51,04**	-82,77 -82,77	**-15,89** **-15,89**
B285	0,100-	ULS-Seis (auto)/3	CS10 - Rectangle (500; 200)	-448,92 -448,92	14,77 14,77	-30,58 -30,58	-40,24 -40,24	-84,27 -84,27	**20,91** **20,91**

Name	dx [m]	Case	Cross-section	N [kN] N_{Ed} [kN]	V_y [kN] V_{Edy} [kN]	V_z [kN] V_{Edz} [kN]	M_x [kNm] M_{Edx} [kNm]	M_y [kNm] M_{Edy} [kNm]	M_z [kNm] M_{Edz} [kNm]
B196	2,935	ULS-Seis (auto)/7	CS2 - Rectangle (250; 250)	**-2,23** **-2,23**	8,08 8,08	17,54 17,54	4,42 4,42	1,03 1,03	0,80 0,80
B196	2,935	ULS-Seis (auto)/8	CS2 - Rectangle (250; 250)	**2,86** **2,86**	-10,62 -10,62	-21,87 -21,87	-5,37 -5,37	-1,12 -1,12	-0,94 -0,94
B196	2,935	LC11/9	CS2 - Rectangle (250; 250)	-2,02 -2,02	**10,07** **10,07**	**19,68** **19,68**	**5,03** **5,03**	1,09 1,09	0,83 0,83
B196	2,935	ULS-Seis (auto)/10	CS2 - Rectangle (250; 250)	1,85 1,85	**-12,46** **-12,46**	**-22,51** **-22,51**	**-5,83** **-5,83**	**-1,20** **-1,20**	-0,89 -0,89
B196	0,100+	ULS-Seis (auto)/11	CS2 - Rectangle (250; 250)	1,52 1,52	-5,79 -5,79	-6,75 -6,75	-3,17 -3,17	**1,27** **1,27**	0,84 0,84
B196	0,100+	ULS-Seis (auto)/10	CS2 - Rectangle (250; 250)	-0,77 -0,77	6,76 6,76	6,40 6,40	3,66 3,66	-1,12 -1,12	**-1,08** **-1,08**
B196	2,570-	ULS-Seis (auto)/10	CS2 - Rectangle (250; 250)	0,25 0,25	-3,64 -3,64	-2,36 -2,36	-2,27 -2,27	0,41 0,41	**0,92** **0,92**
B349	17,386-	ULS-Seis (auto)/12	CS11 - Rectangle (155; 200)	**-55,33** **-55,33**	-0,26 -0,26	-1,88 -1,88	-0,60 -0,60	-0,14 -0,35	-0,11 -0,12
B349	19,353-	ULS-Seis (auto)/13	CS11 - Rectangle (155; 200)	**64,56** **64,56**	-0,28 -0,28	0,43 0,43	-1,56 -1,56	-0,47 -0,53	0,16 0,17
B350	2,735+	ULS-Seis (auto)/7	CS11 - Rectangle (155; 200)	1,11 1,11	**-16,22** **-16,22**	-4,48 -4,48	-4,81 -4,81	0,00 -0,07	-1,36 -2,45
B350	2,735+	ULS-Seis (auto)/8	CS11 - Rectangle (155; 200)	-1,66 -1,66	**17,25** **17,25**	-8,54 -8,54	4,81 4,81	-1,21 -2,04	1,44 2,59
B351	23,600	ULS-Seis (auto)/8	CS11 - Rectangle (155; 200)	-2,16 -2,16	-2,01 -2,01	**-28,14** **-28,14**	-2,89 -2,89	-6,80 -6,80	1,20 1,20
B351	23,550+	LC11/9	CS11 - Rectangle (155; 200)	0,69 0,69	0,27 0,27	**25,08** **25,08**	1,49 1,49	4,98 6,23	-1,01 -1,20
B351	1,913+	ULS-Seis (auto)/13	CS11 - Rectangle (155; 200)	2,69 2,69	-4,74 -4,74	-11,88 -11,88	**-6,59** **-6,59**	-3,01 -3,02	-0,91 -1,00
B351	2,013-	ULS-Seis (auto)/13	CS11 - Rectangle (155; 200)	2,68 2,68	4,00 4,00	12,61 12,61	**5,84** **5,84**	-3,21 -3,21	-0,88 -1,00
B349	23,600	ULS-Seis (auto)/11	CS11 - Rectangle (155; 200)	-7,26 -7,26	-0,59 -0,59	-11,03 -11,03	-1,70 -1,70	**-7,84** **-7,84**	1,04 1,04
B349	23,600	ULS-Seis (auto)/10	CS11 - Rectangle (155; 200)	8,04 8,04	-1,30 -1,30	12,70 12,70	1,22 1,22	**8,94** **8,94**	-1,37 -1,37
B350	2,835	ULS-Seis (auto)/7	CS11 - Rectangle (155; 200)	-3,96 -3,96	-9,30 -9,30	-2,26 -2,26	-4,90 -4,90	-0,10 -0,10	**-2,49** **-2,49**
B350	2,835	ULS-Seis (auto)/8	CS11 - Rectangle (155; 200)	3,93 3,93	9,94 9,94	-11,65 -11,65	4,85 4,85	-2,32 -2,32	**2,63** **2,63**

Name	Combination key
ULS-Set B (auto)/1	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 1.05*LC8
ULS-Set B (auto)/2	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 0.90*LC6 + 1.05*LC8
ULS-Seis (auto)/3	LC1 + LC2 + Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11
ULS-Seis (auto)/4	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Seis (auto)/5	LC1 + LC2 + Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
ULS-Set B (auto)/6	1.35*LC1 + 1.35*LC2 + 1.35*LC3 + 1.50*LC4 + 1.05*LC7
ULS-Seis (auto)/7	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
ULS-Seis (auto)/8	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
LC11/9	- Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
ULS-Seis (auto)/10	LC1 + LC2 - 0.30*Equivalent lateral forces for LC10 - 0.30*Accidental torsional moments for LC10 + Equivalent lateral forces for LC11 - Accidental torsional moments for LC11
ULS-Seis (auto)/11	LC1 + LC2 + 0.30*LC9 + 0.30*Equivalent lateral forces for LC10 + 0.30*Accidental torsional moments for LC10 - Equivalent lateral forces for LC11 + Accidental torsional moments for LC11
ULS-Seis (auto)/12	LC1 + LC2 + 0.30*LC9 + Equivalent lateral forces for LC10 + Accidental torsional moments for LC10 + 0.30*Equivalent lateral forces for LC11 + 0.30*Accidental torsional moments for LC11
ULS-Seis (auto)/13	LC1 + LC2 - Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11



7.5.2. Overall Design (ULS)

Linear calculation
Class: All ULS; Coordinate system: Member
Extreme 1D: Member; Selection: All

Longitudinal required reinforcement

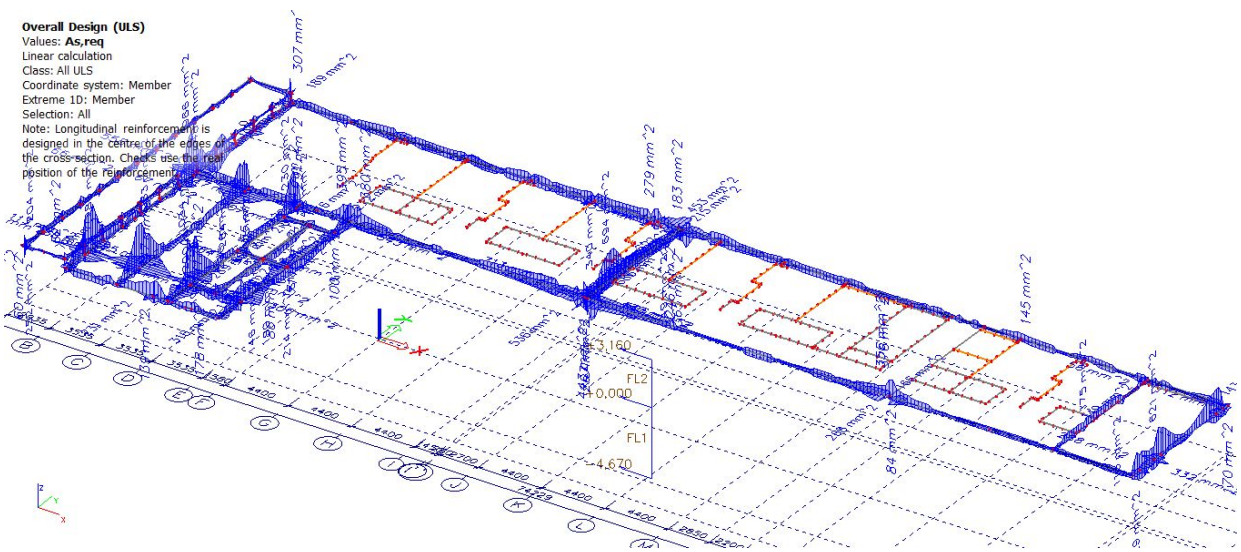
Name	dx [m]	Case	Member	$A_{sz,req+}$ [mm²]	$A_{sz,req-}$ [mm²]	$A_{sy,req+}$ [mm²]	$A_{sy,req-}$ [mm²]	$A_{sz,req}$ [mm²]	$A_{sy,req}$ [mm²]	$A_{s,req}$ [mm²]
B150	7,690-	All ULS	Rib	3	**214**	239	10	217	249	466
B150	6,710-	All ULS	Rib	2	189	**254**	7	191	261	452
B150	2,300+	All ULS	Rib	**490**	111	4	4	**601**	8	609
B150	13,720	All ULS	Rib	338	25	88	**543**	363	**631**	**994**
B151	13,510-	All ULS	Rib	528	**167**	395	279	695	674	1369
B151	13,300-	All ULS	Rib	672	20	**647**	421	692	1068	1760
B151	2,044-	All ULS	Rib	**1034**	122	18	18	**1156**	36	1192
B151	2,300+	All ULS	Rib	901	81	459	**1305**	982	**1764**	**2746**
B153	6,167-	All ULS	Rib	321	**139**	73	73	460	146	606
B153	10,705	All ULS	Rib	29	25	**117**	110	54	227	281
B153	5,914-	All ULS	Rib	257	94	60	**231**	351	**291**	642
B153	6,215-	All ULS	Rib	**347**	129	100	100	**476**	200	**676**
B154	2,533-	All ULS	Rib	784	19	371	**524**	803	895	1698
B154	13,050-	All ULS	Rib	**966**	**200**	37	37	**1166**	74	1240
B154	2,300+	All ULS	Rib	864	53	**844**	425	917	**1269**	**2186**
B155	10,201-	All ULS	Rib	327	**100**	8	8	427	16	443
B155	10,705	All ULS	Rib	**395**	78	**272**	**660**	**473**	**932**	**1405**
B156	1,262-	All ULS	Rib	16	**178**	56	56	194	112	306
B156	0,000	All ULS	Rib	**117**	45	**289**	122	162	411	573
B156	3,535	All ULS	Rib	109	66	251	**316**	175	**567**	742
B156	2,020-	All ULS	Rib	80	144	287	256	**224**	543	**767**
B159	0,591-	All ULS	Rib	**183**	242	**215**	159	425	374	799
B159	0,000	All ULS	Rib	41	246	25	**686**	287	711	998
B159	0,100+	All ULS	Rib	14	235	42	678	249	**720**	969
B159	0,345-	All ULS	Rib	183	**365**	202	278	**548**	480	**1028**
B161	0,250-	All ULS	Rib	**376**	50	30	30	**426**	60	486
B161	0,500-	All ULS	Rib	209	**83**	**166**	**268**	292	**434**	**726**
B163	14,543-	All ULS	Rib	**145**	31	0	0	176	0	176
B163	0,499-	All ULS	Rib	14	**170**	40	40	**184**	80	264
B163	1,496-	All ULS	Rib	10	59	64	**143**	69	**207**	276
B163	5,484+	All ULS	Rib	41	39	**149**	53	80	202	**282**
B165	1,013-	All ULS	Rib	363	**229**	41	41	592	82	674
B165	2,740-	All ULS	Rib	**621**	150	150	150	**771**	300	1071
B165	2,280-	All ULS	Rib	255	208	**288**	**332**	463	**620**	**1083**
B166	3,693-	All ULS	Rib	**175**	0	0	0	175	0	175
B166	7,252-	All ULS	Rib	62	**113**	4	4	175	8	183
B166	9,520-	All ULS	Rib	76	0	**56**	21	76	77	153
B166	9,880	All ULS	Rib	66	7	24	**112**	73	**136**	209
B166	4,480+	All ULS	Rib	160	21	26	26	**181**	52	**233**
B170	1,262-	All ULS	Rib	**44**	65	32	61	109	93	202

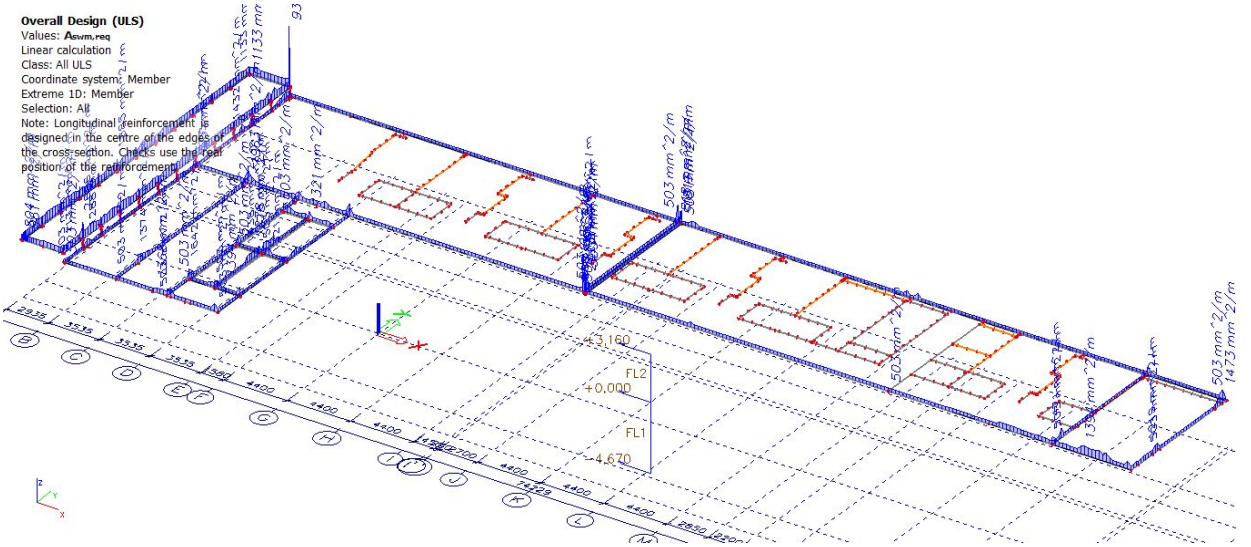
Name	dx [m]	Case	Member	$A_{sz,req+}$ [mm²]	$A_{sz,req-}$ [mm²]	$A_{sy,req+}$ [mm²]	$A_{sy,req-}$ [mm²]	$A_{sz,req}$ [mm²]	$A_{sy,req}$ [mm²]	$A_{s,req}$ [mm²]
B170	1,767-	All ULS	Rib	24	47	**176**	66	71	242	313
B170	0,000	All ULS	Rib	39	**71**	77	**227**	**110**	**304**	**414**
B196	2,570-	All ULS	Beam	34	20	**79**	24	54	103	157
B196	0,569-	All ULS	Beam	22	36	27	**79**	58	106	164
B196	2,935	All ULS	Beam	**62**	**60**	60	57	**122**	**117**	**239**
B279	8,550-	All ULS	Rib	66	**110**	0	0	176	0	176
B279	2,300-	All ULS	Rib	957	17	404	337	**974**	741	1715
B279	2,300+	All ULS	Rib	**963**	6	**738**	**678**	969	**1416**	**2385**
B280	0,000	All ULS	Rib	**55**	5	93	8	60	101	161
B280	1,767+	All ULS	Rib	5	**86**	86	23	91	109	200
B280	0,252-	All ULS	Rib	45	14	**100**	15	59	115	174
B280	3,282-	All ULS	Rib	7	50	25	**98**	57	123	180
B280	1,767-	All ULS	Rib	31	64	28	85	**95**	113	208
B280	2,525-	All ULS	Rib	11	53	86	77	64	**163**	**227**
B281	4,410-	All ULS	Rib	13	**146**	95	0	159	95	254
B281	2,695-	All ULS	Rib	44	77	0	**56**	121	56	177
B281	0,000	All ULS	Rib	**206**	54	0	2	**260**	2	262
B281	4,655-	All ULS	Rib	25	134	**105**	0	159	**105**	**264**
B282	4,900	All ULS	Rib	**46**	75	30	4	121	34	155
B282	4,655-	All ULS	Rib	1	16	**107**	43	17	**150**	167
B282	0,980-	All ULS	Rib	6	**190**	15	**74**	**196**	89	**285**
B283	8,892-	All ULS	Rib	73	**149**	24	24	222	48	270
B283	0,000	All ULS	Rib	**340**	143	**713**	**566**	**483**	**1279**	**1762**
B285	21,050	All ULS	Rib	**356**	57	11	11	413	22	435
B285	0,349-	All ULS	Rib	201	**443**	206	259	**644**	465	1109
B285	0,100-	All ULS	Rib	235	353	**1164**	**536**	588	**1700**	**2288**
B286	0,494-	All ULS	Rib	40	**194**	73	21	234	94	328
B286	9,880	All ULS	Rib	64	73	**435**	255	137	690	827
B286	2,470-	All ULS	Rib	**694**	106	60	60	**800**	120	920
B286	0,000	All ULS	Rib	71	178	374	**430**	249	**804**	**1053**
B287	0,599-	All ULS	Rib	206	**267**	250	222	473	472	945
B287	0,000	All ULS	Rib	70	265	94	**886**	335	980	1315
B287	15,832-	All ULS	Rib	**380**	116	5	5	**496**	10	506
B287	16,331	All ULS	Rib	362	99	**1013**	345	461	**1358**	**1819**
B288	1,551+	All ULS	Rib	**279**	154	206	237	433	443	876
B288	0,100+	All ULS	Rib	14	**246**	286	**453**	260	739	999
B288	1,795-	All ULS	Rib	250	185	8	8	**435**	16	451
B288	0,000	All ULS	Rib	69	244	**557**	347	313	**904**	**1217**
B289	0,291-	All ULS	Rib	**484**	0	380	214	484	594	1078
B289	2,012+	All ULS	Rib	381	**284**	0	0	665	0	665
B289	0,537-	All ULS	Rib	389	41	311	**242**	430	553	983
B289	2,280-	All ULS	Rib	410	283	62	62	**693**	124	817
B289	0,000	All ULS	Rib	315	10	**558**	221	325	**779**	**1104**
B349	23,540-	All ULS	Beam	**204**	248	43	32	452	75	527
B349	13,819-	All ULS	Beam	149	118	**67**	**66**	267	**133**	400
B349	23,600	All ULS	Beam	202	**252**	45	32	**454**	77	**531**
B350	2,735+	All ULS	Beam	**307**	**291**	**189**	**196**	**598**	**385**	**983**
B351	23,550-	All ULS	Beam	66	**230**	57	14	296	71	367
B351	1,913+	All ULS	Beam	**283**	161	**113**	**95**	**444**	**208**	**652**

Shear required reinforcement

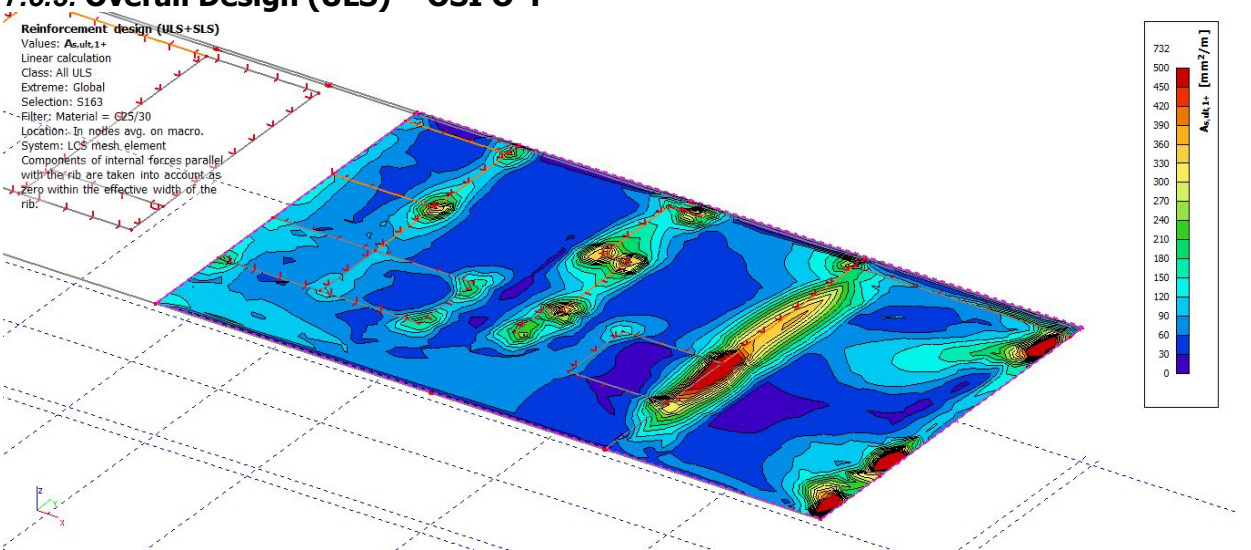
Name	dx [m]	Case	Member	$A_{swm,req}$ [mm²/m]	$A_{swm,req(\phi/s)}$
B150	0,000	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B150	6,710-	All ULS	Rib	**1321**	**ϕ8/76mm, (ns=2)**
B151	0,256-	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B151	2,300+	All ULS	Rib	**1642**	**ϕ8/61mm, (ns=2)**
B153	0,000	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B153	7,455-	All ULS	Rib	**1368**	**ϕ8/73mm, (ns=2)**
B154	0,245-	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B154	2,300+	All ULS	Rib	**1288**	**ϕ8/78mm, (ns=2)**
B155	0,000	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B155	3,635+	All ULS	Rib	**1963**	**ϕ8/51mm, (ns=2)**
B156	0,252-	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B156	3,535	All ULS	Rib	**1394**	**ϕ8/72mm, (ns=2)**
B159	0,100+	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**

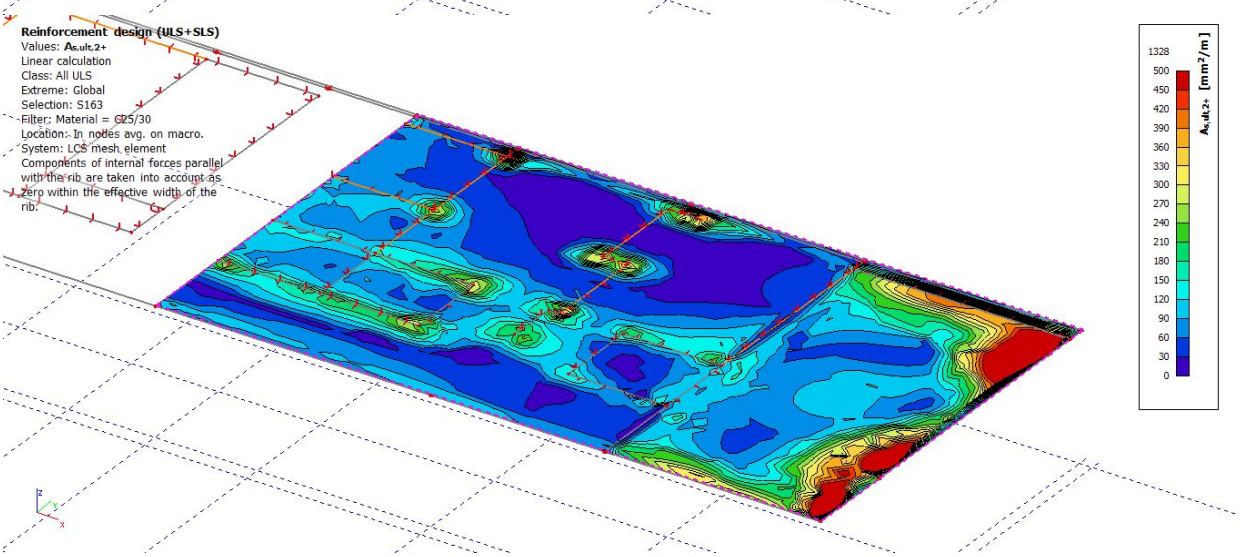
Name	dx [m]	Case	Member	$A_{swm,req}$ [mm²/m]	$A_{swm,req(\phi/s)}$
B159	0,000	All ULS	Rib	**1813**	**ϕ8/55mm, (ns=2)**
B161	0,000	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B161	14,640-	All ULS	Rib	**1394**	**ϕ8/72mm, (ns=2)**
B163	0,000	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B163	0,249-	All ULS	Rib	**1473**	**ϕ8/68mm, (ns=2)**
B165	2,970-	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B165	2,740-	All ULS	Rib	**1219**	**ϕ8/82mm, (ns=2)**
B166	0,000	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B166	0,952-	All ULS	Rib	**1471**	**ϕ8/68mm, (ns=2)**
B170	0,757-	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B170	1,767+	All ULS	Rib	**1321**	**ϕ8/76mm, (ns=2)**
B196	0,000	All ULS	Beam	**804**	**ϕ8/125mm, (ns=2)**
B196	1,508-	All ULS	Beam	**961**	**ϕ8/105mm, (ns=2)**
B279	0,000	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B279	2,300+	All ULS	Rib	**1374**	**ϕ8/73mm, (ns=2)**
B280	0,000	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B280	2,272-	All ULS	Rib	**1278**	**ϕ8/79mm, (ns=2)**
B281	0,000	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B281	4,410-	All ULS	Rib	**1438**	**ϕ8/70mm, (ns=2)**
B282	0,000	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B282	0,490-	All ULS	Rib	**1476**	**ϕ8/68mm, (ns=2)**
B283	0,741-	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B283	0,000	All ULS	Rib	**5898**	**ϕ8/17mm, (ns=2)**
B285	0,349-	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B285	0,000	All ULS	Rib	**3034**	**ϕ8/33mm, (ns=2)**
B286	0,494-	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B286	0,000	All ULS	Rib	**2517**	**ϕ8/40mm, (ns=2)**
B287	0,350-	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B287	0,100-	All ULS	Rib	**2413**	**ϕ8/42mm, (ns=2)**
B288	0,100+	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B288	0,100-	All ULS	Rib	**818**	**ϕ8/123mm, (ns=2)**
B289	0,045+	All ULS	Rib	**503**	**ϕ8/200mm, (ns=2)**
B289	4,717-	All ULS	Rib	**1432**	**ϕ8/70mm, (ns=2)**
B349	0,000	All ULS	Beam	**1133**	**ϕ8/89mm, (ns=2)**
B349	13,819-	All ULS	Beam	**1885**	**ϕ8/53mm, (ns=2)**
B350	0,000	All ULS	Beam	**1133**	**ϕ8/89mm, (ns=2)**
B350	2,735+	All ULS	Beam	**9384**	**ϕ8/11mm, (ns=2)**
B351	0,000	All ULS	Beam	**1133**	**ϕ8/89mm, (ns=2)**
B351	1,913+	All ULS	Beam	**2686**	**ϕ8/37mm, (ns=2)**

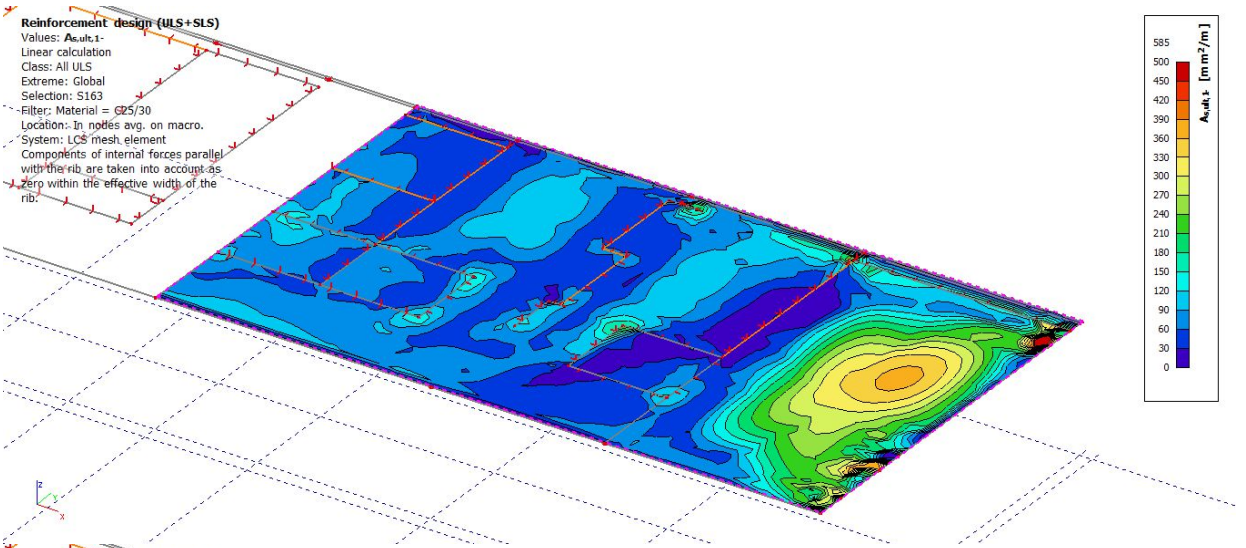


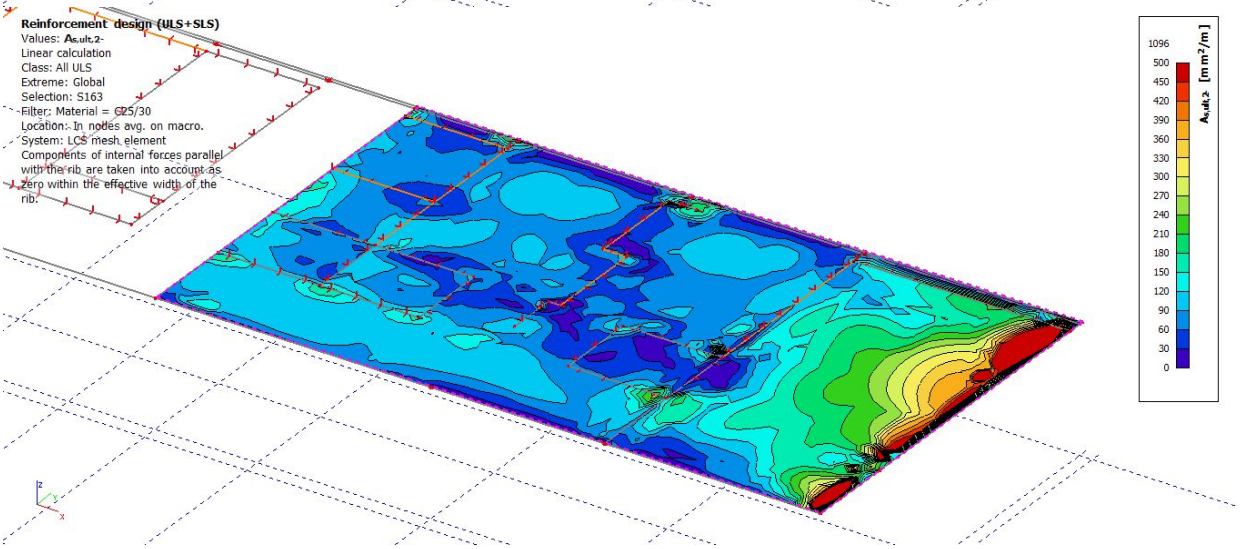


7.5.3. Overall Design (ULS) – OSI O-T

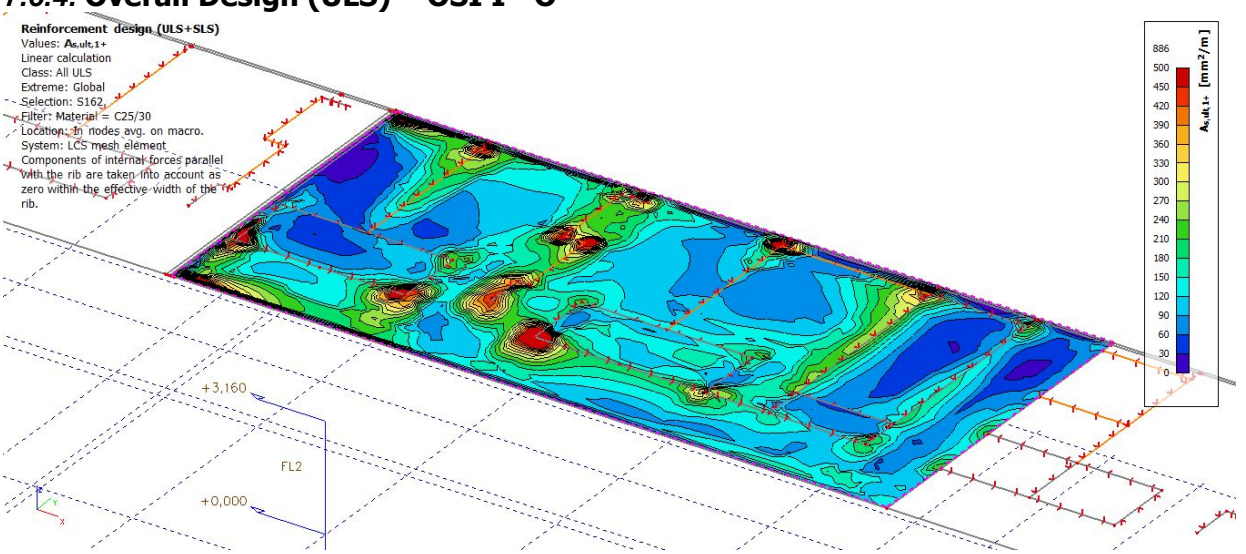


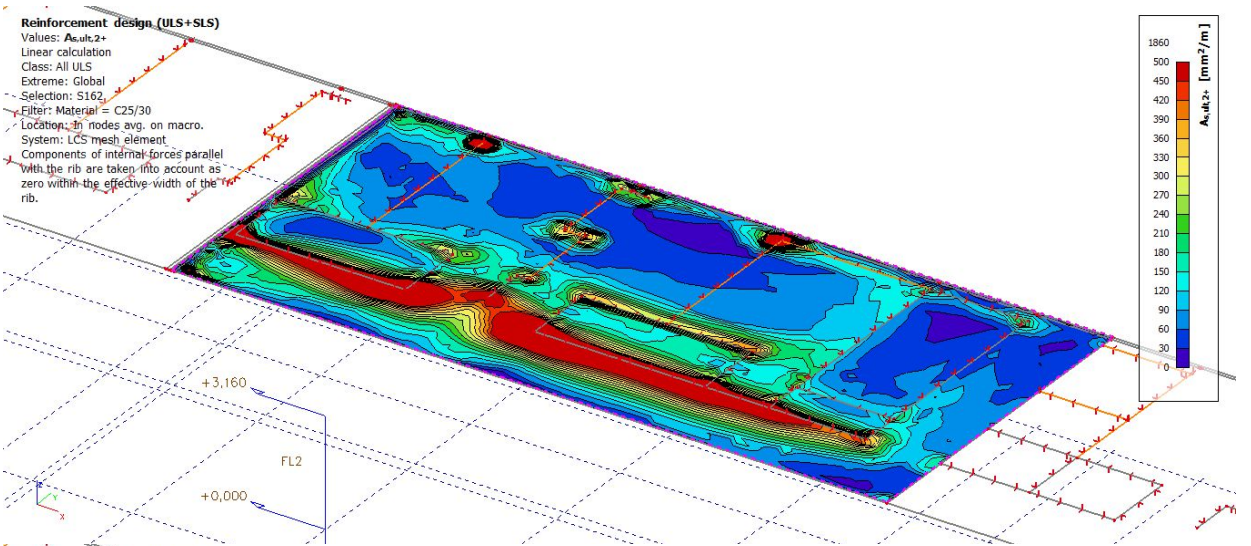


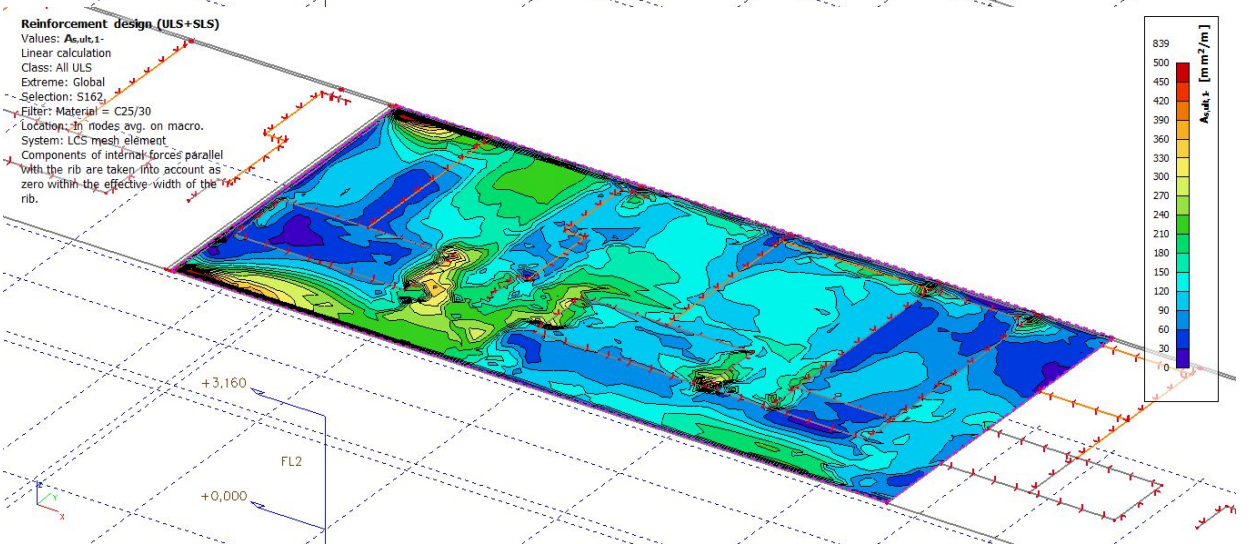


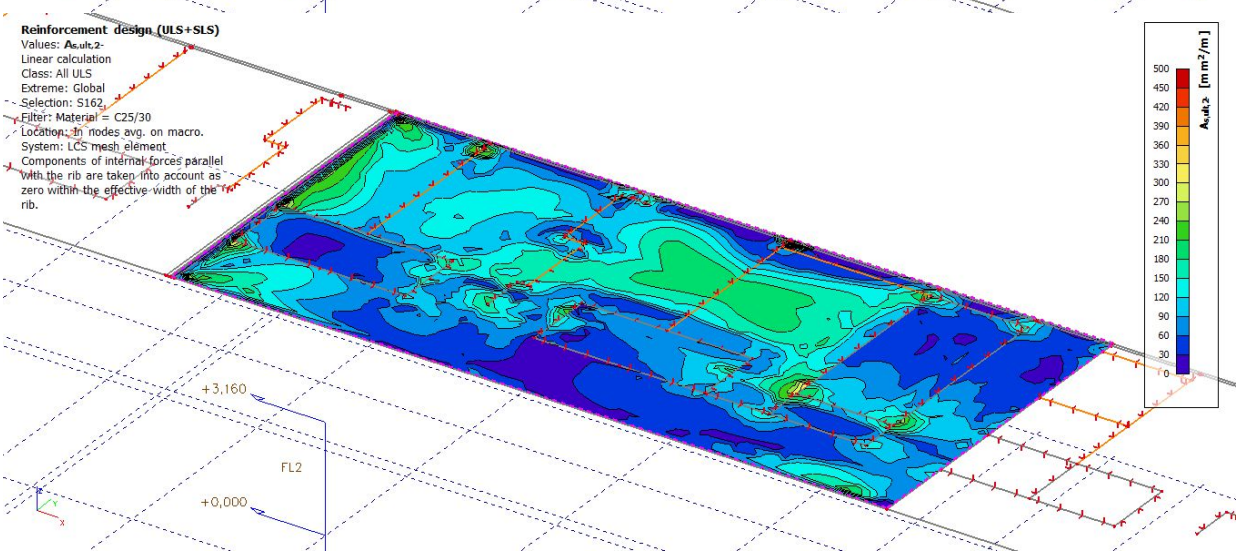


7.5.4. Overall Design (ULS) – OSI I''-O

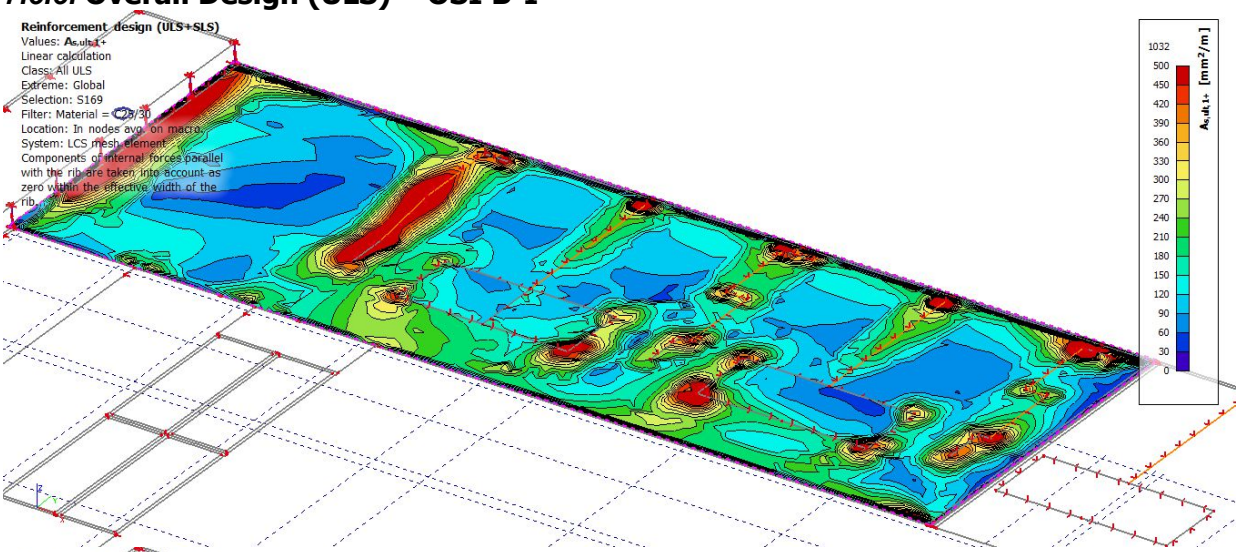


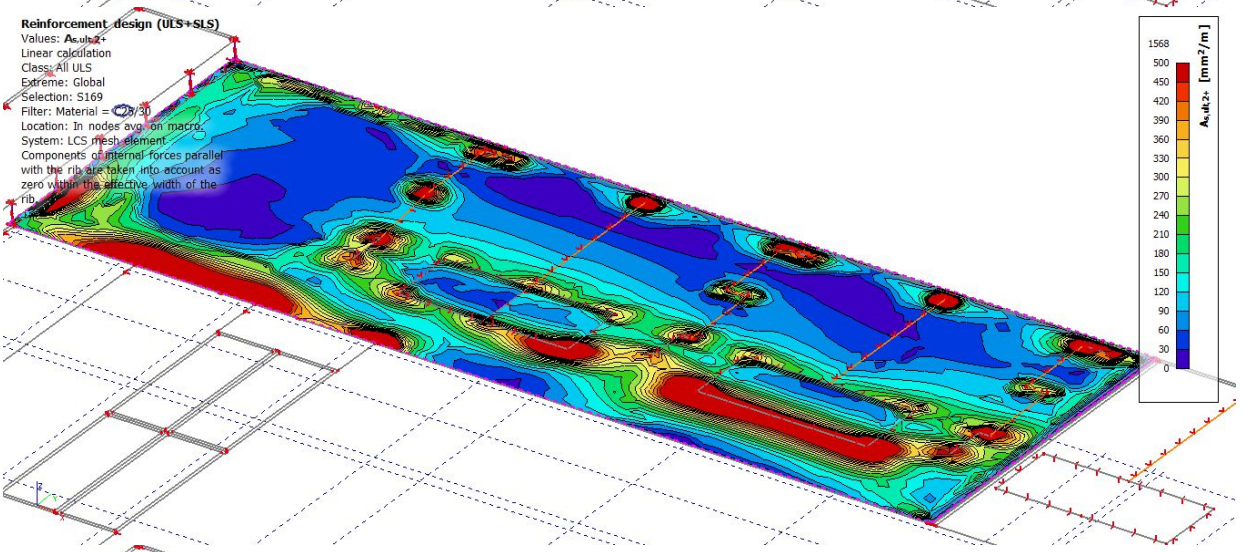

Reinforcement design (ULS+SLS)
Values: As,ult,2+
Linear calculation
Class: All ULS
Extreme: Global
Selection: S162
Filter: Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh element
Components of internal forces parallel
With the rib are taken into account as
zero within the effective width of the
rib.
1860
500
450
420
390
360
330
300
270
240
210
180
150
120
90
60
30
0
As,ult,2+ [mm²/m]
+3,160
FL2
+0,000

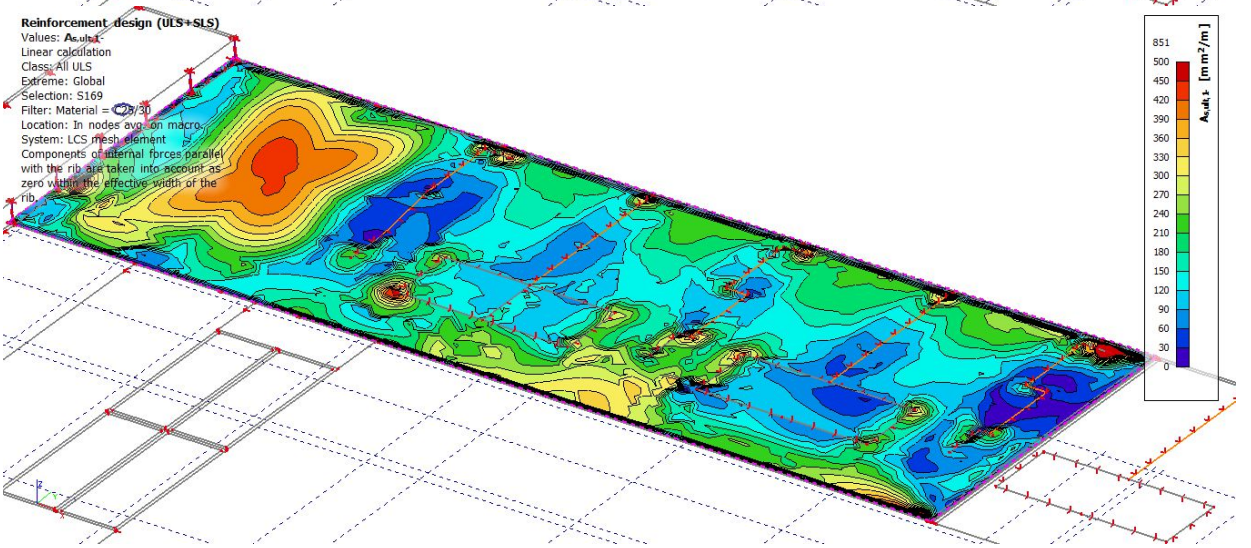

Reinforcement design (ULS+SLS)
Values: As,ult,1-
Linear calculation
Class: All ULS
Extreme: Global
Selection: S162
Filter: Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh element
Components of internal forces parallel
With the rib are taken into account as
zero within the effective width of the
rib.
839
500
450
420
390
360
330
300
270
240
210
180
150
120
90
60
30
0
As,ult,1- [mm²/m]
+3,160
FL2
+0,000

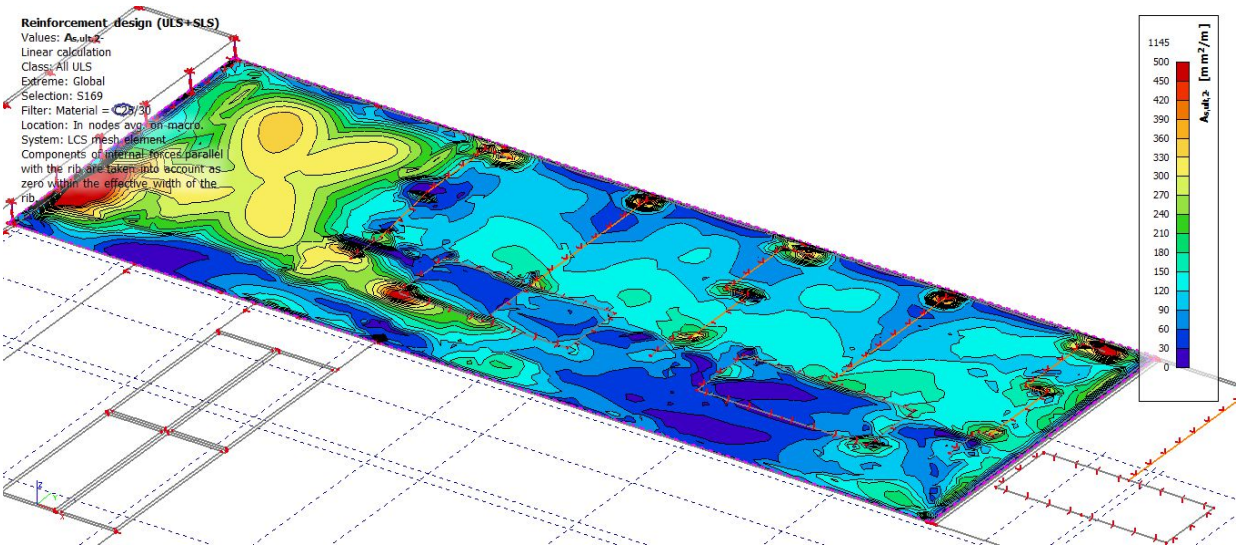

Reinforcement design (ULS+SLS)
Values: As,ult,2-
Linear calculation
Class: All ULS
Extreme: Global
Selection: S162
Filter: Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh element
Components of internal forces parallel
With the rib are taken into account as
zero within the effective width of the
rib.
500
450
420
390
360
330
300
270
240
210
180
150
120
90
60
30
0
As,ult,2- [mm²/m]
+3,160
FL2
+0,000

7.5.5. Overall Design (ULS) – OSI B-I'

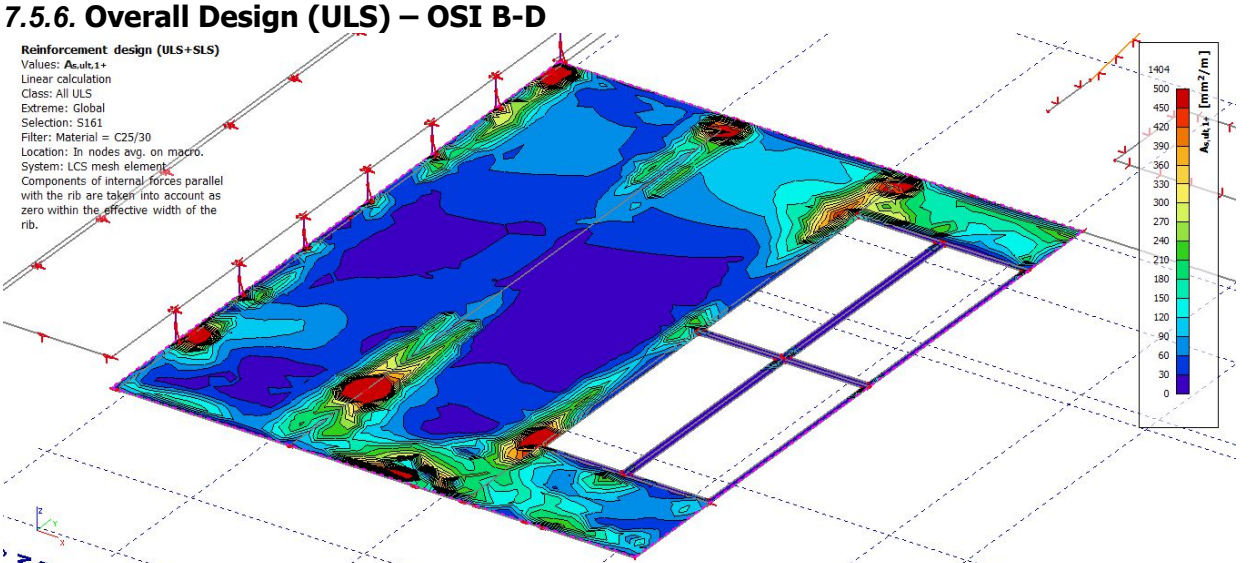


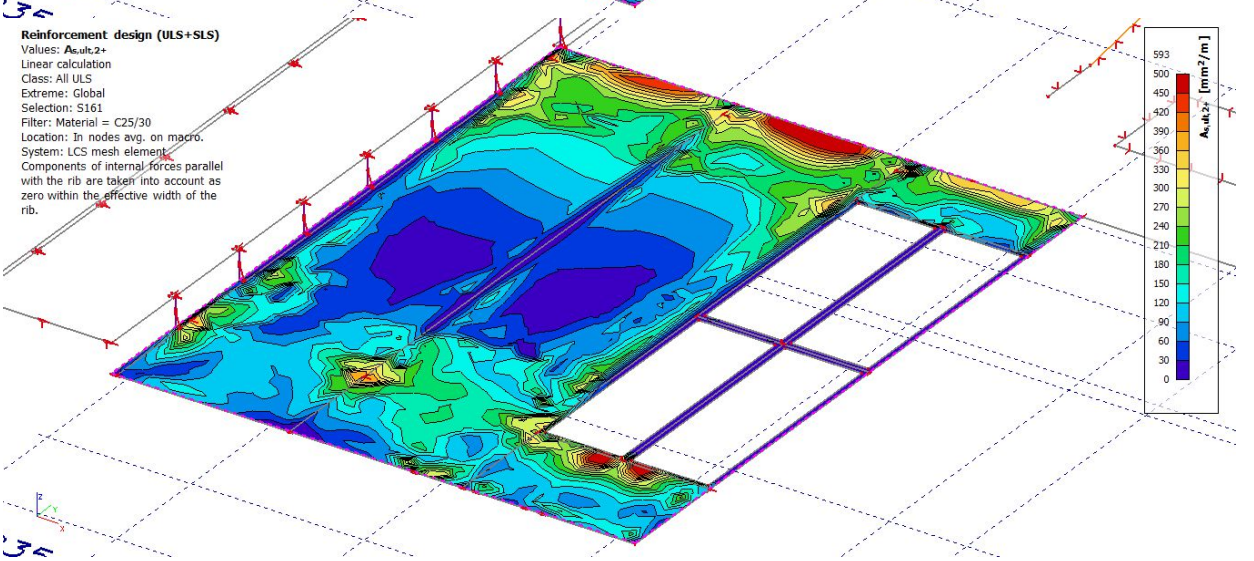


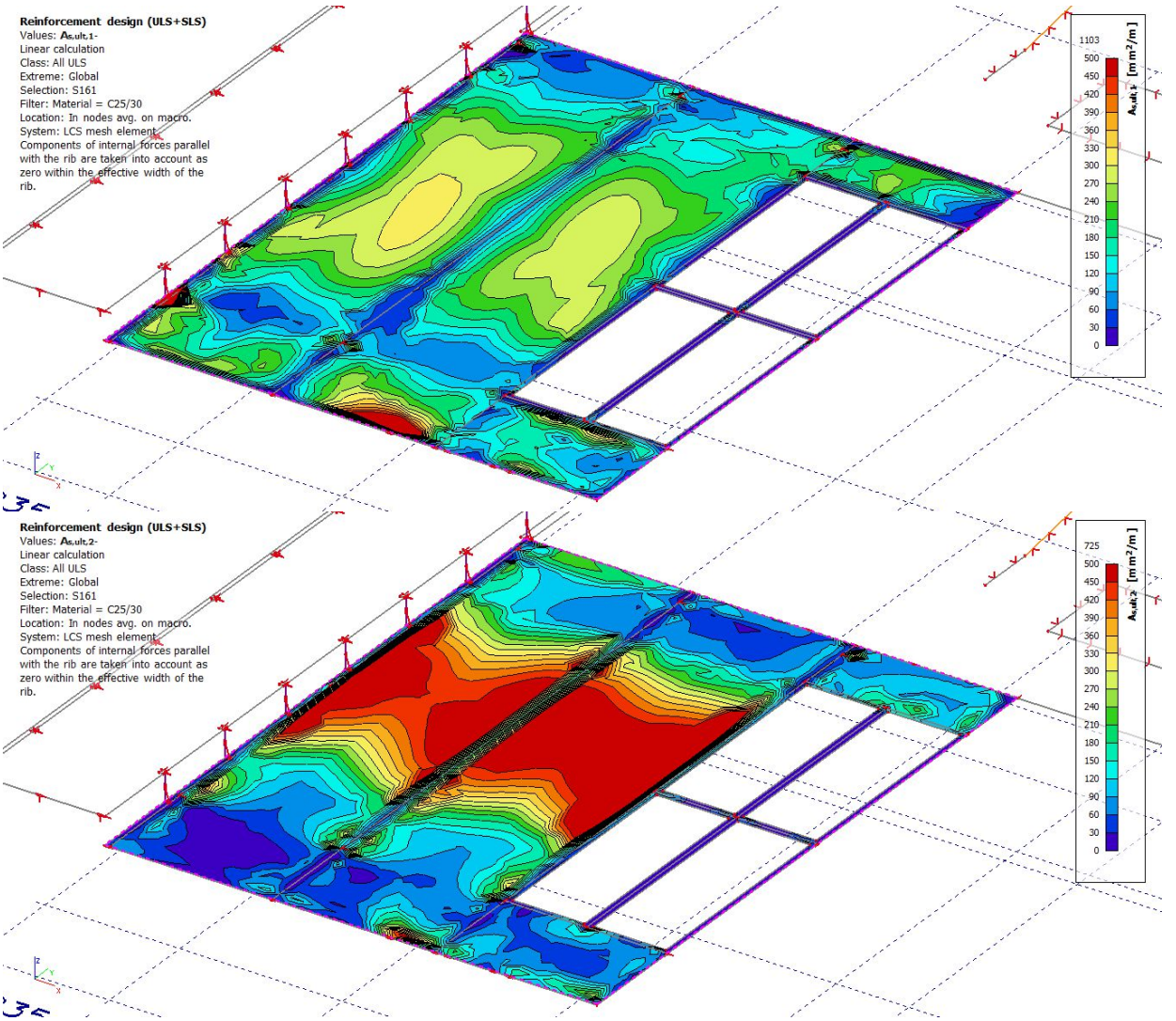




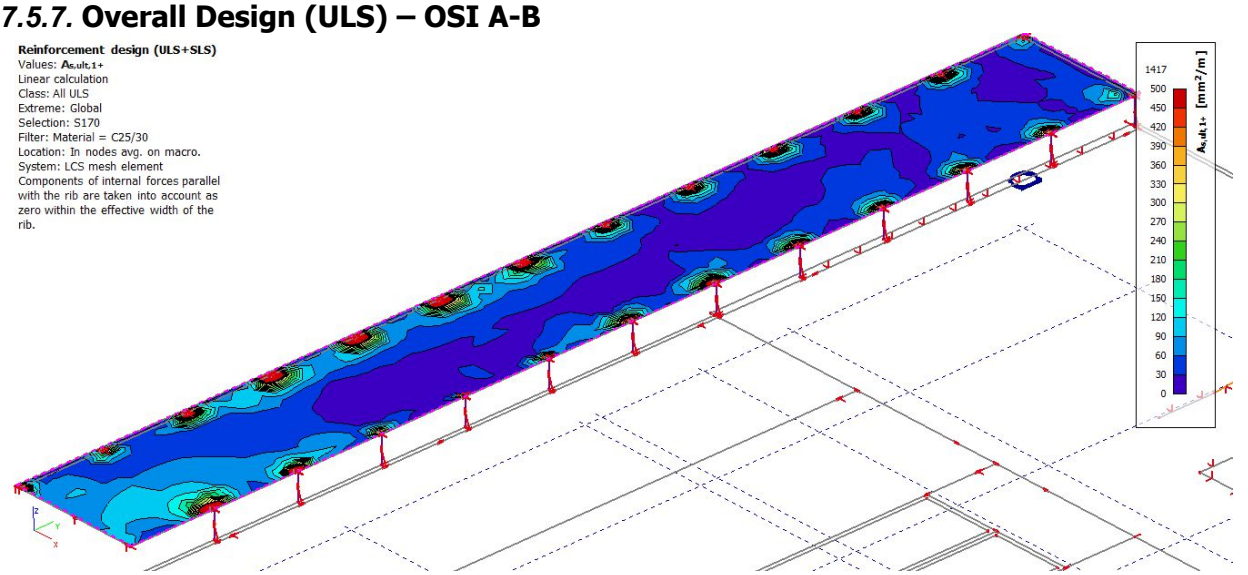
7.5.6. Overall Design (ULS) – OSI B-D



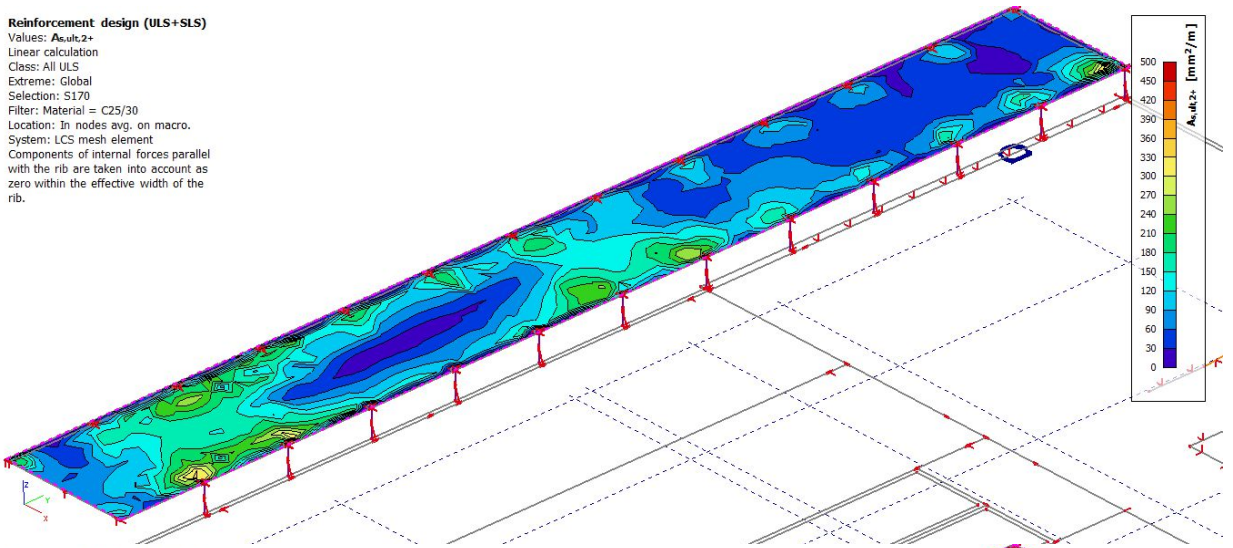




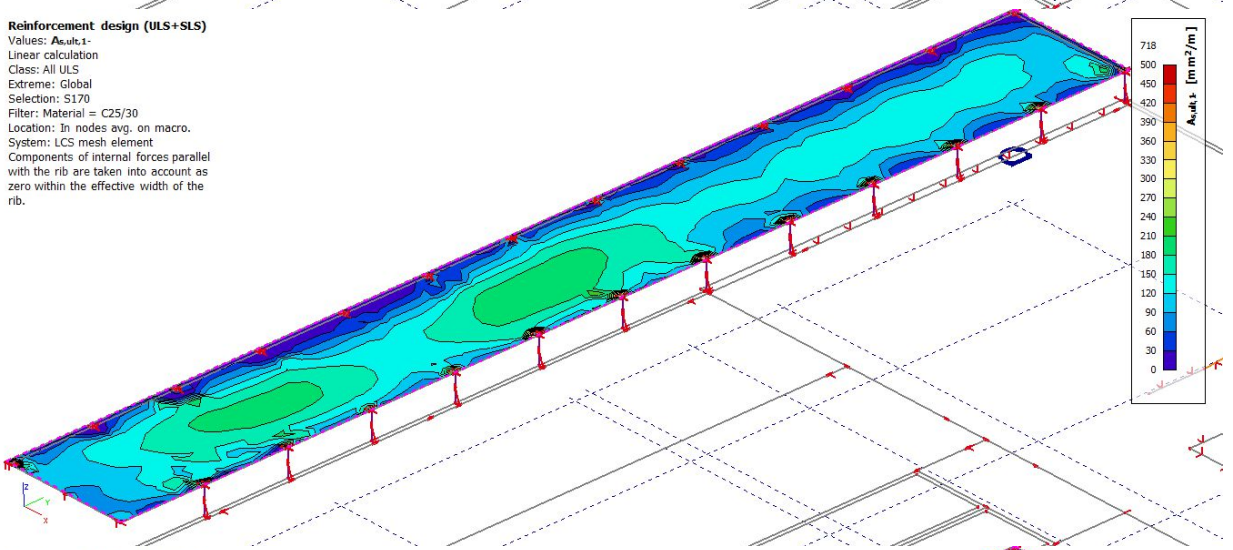
7.5.7. Overall Design (ULS) – OSI A-B



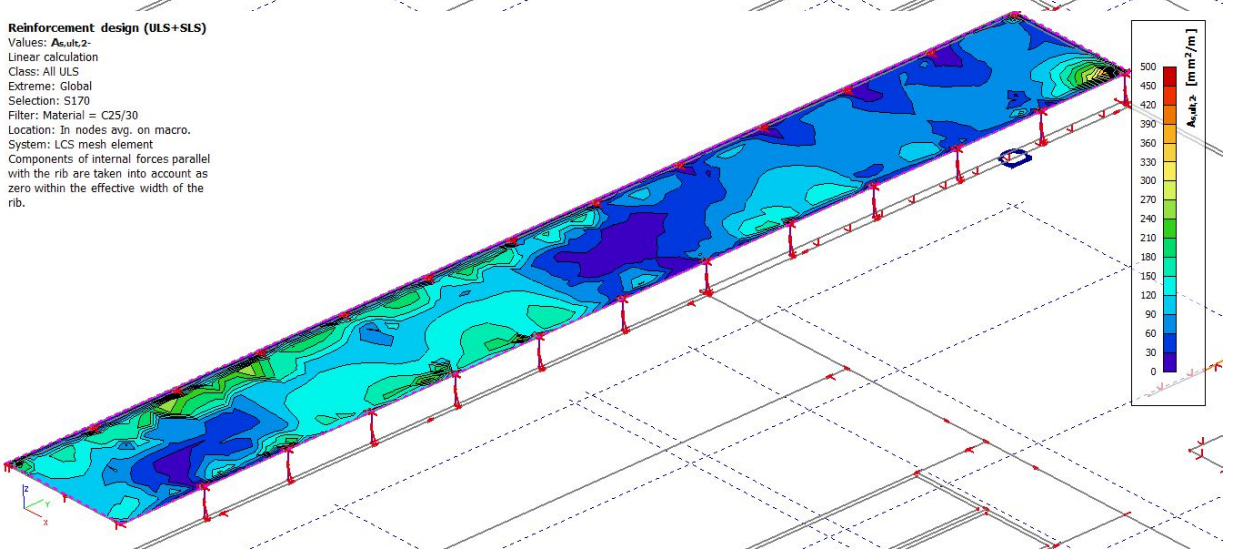
Reinforcement design (ULS+SLS)
Values: $A_{s,ult,2+}$
Linear calculation
Class: All ULS
Extreme: Global
Selection: S170
Filter: Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh element
Components of internal forces parallel with the rib are taken into account as zero within the effective width of the rib.



Reinforcement design (ULS+SLS)
Values: $A_{s,ult,1-}$
Linear calculation
Class: All ULS
Extreme: Global
Selection: S170
Filter: Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh element
Components of internal forces parallel with the rib are taken into account as zero within the effective width of the rib.



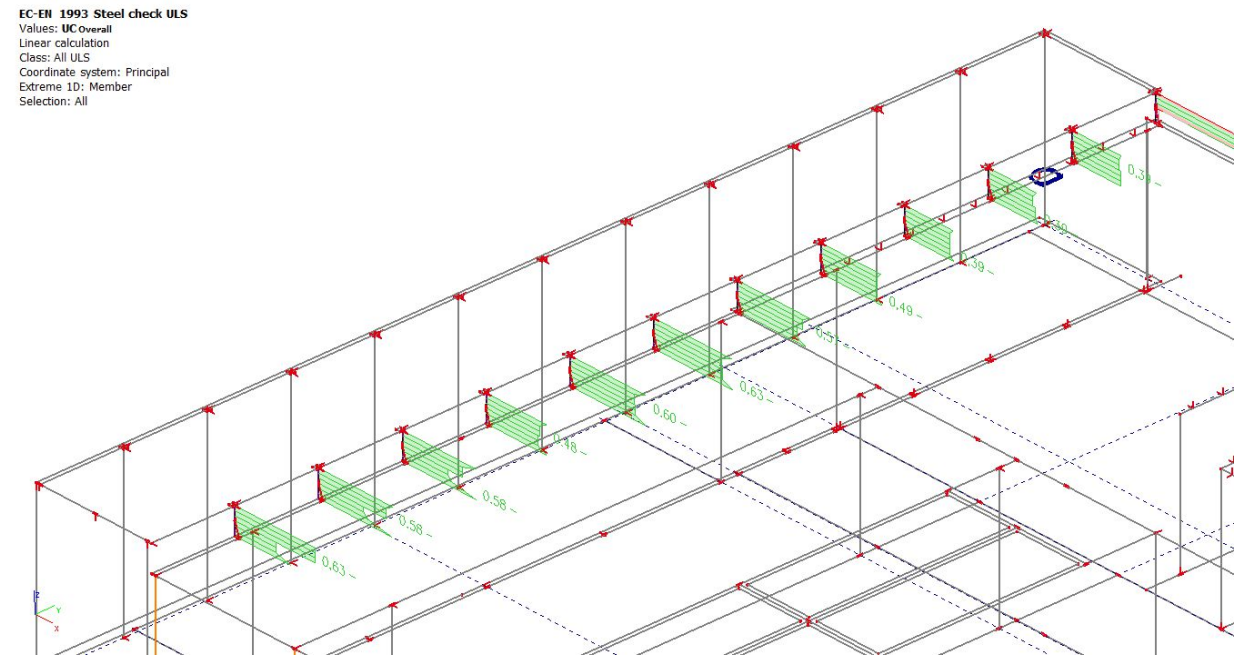
Reinforcement design (ULS+SLS)
Values: $A_{s,ult,2-}$
Linear calculation
Class: All ULS
Extreme: Global
Selection: S170
Filter: Material = C25/30
Location: In nodes avg. on macro.
System: LCS mesh element
Components of internal forces parallel with the rib are taken into account as zero within the effective width of the rib.



8.0) DIMENZIONIRANJE JEKLENIH ELEMENTOV KONSTRUKCIJE

EC-EN 1993 Steel check ULS

Linear calculation
Class: All ULS



Coordinate system: Principal
Extreme 1D: Global; Selection: All

EN 1993-1-1 Code Check
National annex: Slovenian SIST-EN NA

Member B192	**0,000 / 0,600 m**	**HEA100**	**S 235**	**All ULS**	**0,63 -**

Combination key
All ULS / LC1 + LC2 - Equivalent lateral forces for LC10 - Accidental torsional moments for LC10 - 0.30*Equivalent lateral forces for LC11 - 0.30*Accidental torsional moments for LC11

Partial safety factors	
γ_{M0} for resistance of cross-sections	1,00
γ_{M1} for resistance to instability	1,00
γ_{M2} for resistance of net sections	1,25

Material			
Yield strength	f_y	235,0	MPa
Ultimate strength	f_u	360,0	MPa
Fabrication		Rolled	

...::SECTION CHECK::...
The critical check is on position 0,000 m

Internal forces		Calculated	Unit
Normal force	N_{Ed}	-27,12	kN
Shear force	$V_{y,Ed}$	-0,51	kN
Shear force	$V_{z,Ed}$	64,75	kN
Torsion	T_{Ed}	0,00	kNm
Bending moment	$M_{y,Ed}$	-12,17	kNm
Bending moment	$M_{z,Ed}$	0,20	kNm

Classification for cross-section design
Classification according to EN 1993-1-1 article 5.5.2
Classification of Internal and Outstand parts according to EN 1993-1-1 Table 5.2 Sheet 1 & 2

Id	Type	c [mm]	t [mm]	σ_1 [kN/m²]	σ_2 [kN/m²]	Ψ [-]	k_σ [-]	α [-]	c/t [-]	Class 1 Limit [-]	Class 2 Limit [-]	Class 3 Limit [-]	Class
1	SO	36	8	1,639e+05	1,586e+05	0,97	0,44	1,00	4,44	9,00	10,00	13,96	1
3	SO	36	8	1,682e+05	1,734e+05	0,97	0,43	1,00	4,44	9,00	10,00	13,81	1
4	I	56	5	1,103e+05	-8,476e+04	-0,77		0,71	11,20	43,70	52,07	98,36	1
5	SO	36	8	-1,383e+05	-1,331e+05								
7	SO	36	8	-1,426e+05	-1,479e+05								

Note: The Classification limits have been set according to Semi-Comp+.
The cross-section is classified as Class 1

Compression check
According to EN 1993-1-1 article 6.2.4 and formula (6.9)

Cross-section area	A	2,1200e-03	m^2
Compression resistance	$N_{c,Rd}$	498,20	kN
Unity check		0,05	-

Bending moment check for M_y
According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.13)

Plastic section modulus	$W_{pl,y}$	8,2917e-05	m^3
Plastic bending moment	$M_{pl,y,Rd}$	19,49	kNm
Unity check		0,62	-

Bending moment check for M_z
According to EN 1993-1-1 article 6.2.5 and formula (6.12),(6.13)

Plastic section modulus	$W_{pl,z}$	4,1125e-05	m^3
Plastic bending moment	$M_{pl,z,Rd}$	9,66	kNm
Unity check		0,02	-

Shear check for V_y
According to EN 1993-1-1 article 6.2.6 and formula (6.17)

Shear correction factor	η	1,20	
Shear area	A_v	1,6850e-03	m^2
Plastic shear resistance for V_y	$V_{pl,y,Rd}$	228,62	kN
Unity check		0,00	-

Shear check for V_z
According to EN 1993-1-1 article 6.2.6 and formula (6.17)

Shear correction factor	η	1,20	
Shear area	A_v	7,5200e-04	m^2
Plastic shear resistance for V_z	$V_{pl,z,Rd}$	102,03	kN
Unity check		0,63	-

Torsion check
According to EN 1993-1-1 article 6.2.7 and formula (6.23)

Index of fibre	Fibre	1	
Total torsional moment	τ_{Ed}	0,3	MPa
Elastic shear resistance	τ_{Rd}	135,7	MPa
Unity check		0,00	-

Note: The unity check for torsion is lower than the limit value of 0,05. Therefore torsion is considered as insignificant and is ignored in the combined checks.

Combined bending, axial force and shear force check
According to EN 1993-1-1 article 6.2.9.1 & 6.2.8 and formula (6.41)

Reduction of yield strength z	ρ_z	0,07	
Plastic bending moment reduced due to V_z	$M_{V,y,Rd}$	19,35	kNm
Exponent of bending ratio y	α	2,00	
Plastic bending moment	$M_{pl,z,Rd}$	9,66	kNm
Exponent of bending ratio z	β	1,00	

Unity check (6.41) = 0,40 + 0,02 = 0,42 -
The member satisfies the section check.

...::STABILITY CHECK::...

Classification for member buckling design

Decisive position for stability classification: 0,000 m
Classification according to EN 1993-1-1 article 5.5.2
Classification of Internal and Outstand parts according to EN 1993-1-1 Table 5.2 Sheet 1 & 2

Id	Type	c [mm]	t [mm]	σ_1 [kN/m²]	σ_2 [kN/m²]	Ψ [-]	k_σ [-]	α [-]	c/t [-]	Class 1 Limit [-]	Class 2 Limit [-]	Class 3 Limit [-]	Class
1	SO	36	8	1,639e+05	1,586e+05	0,97	0,44	1,00	4,44	9,00	10,00	13,96	1
3	SO	36	8	1,682e+05	1,734e+05	0,97	0,43	1,00	4,44	9,00	10,00	13,81	1
4	I	56	5	1,103e+05	-8,476e+04	-0,77		0,71	11,20	43,70	52,07	98,36	1
5	SO	36	8	-1,383e+05	-1,331e+05								
7	SO	36	8	-1,426e+05	-1,479e+05								

Note: The Classification limits have been set according to Semi-Comp+.
The cross-section is classified as Class 1

Flexural Buckling check

According to EN 1993-1-1 article 6.3.1.1 and formula (6.46)

Buckling parameters		yy	zz	
Sway type		non-sway	non-sway	
System length	L	0,300	0,300	m
Buckling factor	k	0,74	0,74	
Buckling length	l_{cr}	0,222	0,221	m
Critical Euler load	N_{cr}	147346,70	56630,84	kN
Slenderness	λ	5,46	8,81	
Relative slenderness	λ_{rel}	0,06	0,09	
Limit slenderness	$\lambda_{rel,0}$	0,20	0,20	

Note: The slenderness or compression force is such that Flexural Buckling effects may be ignored according to EN 1993-1-1 article 6.3.1.2(4).

Torsional(-Flexural) Buckling check

According to EN 1993-1-1 article 6.3.1.1 and formula (6.46)
Note: For this I-section the Torsional(-Flexural) buckling resistance is higher than the resistance for Flexural buckling. Therefore Torsional(-Flexural) buckling is not printed on the output.

Lateral Torsional Buckling check

According to EN 1993-1-1 article 6.3.2.1 & 6.3.2.3 and formula (6.54)

LTB parameters			
Method for LTB curve		Alternative case	
Plastic section modulus	$W_{pl,y}$	8,2917e-05	m^3
Elastic critical moment	M_{cr}	3485,40	kNm
Relative slenderness	$\lambda_{rel,LT}$	0,07	
Limit slenderness	$\lambda_{rel,LT,0}$	0,40	

Note: The slenderness or bending moment is such that Lateral Torsional Buckling effects may be ignored according to EN 1993-1-1 article 6.3.2.2(4).

Mcr parameters			
LTB length	l_{LT}	0,300	m
Influence of load position		no influence	
Correction factor	k	1,00	
Correction factor	k_w	1,00	
LTB moment factor	C_1	2,49	
LTB moment factor	C_2	0,00	
LTB moment factor	C_3	1,00	
Shear centre distance	d_z	0	mm
Distance of load application	z_g	0	mm
Mono-symmetry constant	β_y	0	mm
Mono-symmetry constant	z_j	0	mm

Note: C parameters are determined according to ECCS 119 2006 / Galea 2002.

Bending and axial compression check

According to EN 1993-1-1 article 6.3.3 and formula (6.61),(6.62)

Bending and axial compression check parameters			
Interaction method		alternative method 1	
Cross-section area	A	2,1200e-03	m^2

Bending and axial compression check parameters			
Plastic section modulus	$W_{pl,y}$	8,2917e-05	m^3
Plastic section modulus	$W_{pl,z}$	4,1125e-05	m^3
Design compression force	N_{Ed}	27,12	kN
Design bending moment (maximum)	$M_{y,Ed}$	-12,17	kNm
Design bending moment (maximum)	$M_{z,Ed}$	0,20	kNm
Characteristic compression resistance	N_{Rk}	498,20	kN
Characteristic moment resistance	$M_{y,Rk}$	19,49	kNm
Characteristic moment resistance	$M_{z,Rk}$	9,66	kNm
Reduction factor	χ_y	1,00	
Reduction factor	χ_z	1,00	
Modified reduction factor	$\chi_{LT,mod}$	1,00	
Interaction factor	k_{yy}	0,66	
Interaction factor	k_{yz}	0,55	
Interaction factor	k_{zy}	0,34	
Interaction factor	k_{zz}	0,83	

Maximum moment $M_{y,Ed}$ is derived from beam B192 position 0,000 m.
Maximum moment $M_{z,Ed}$ is derived from beam B192 position 0,000 m.

Interaction method 1 parameters			
Critical Euler load	$N_{cr,y}$	147346,70	kN
Critical Euler load	$N_{cr,z}$	56630,84	kN
Elastic critical load	$N_{cr,T}$	27949,78	kN
Plastic section modulus	$W_{pl,y}$	8,2917e-05	m^3
Elastic section modulus	$W_{el,y}$	7,2800e-05	m^3
Plastic section modulus	$W_{pl,z}$	4,1125e-05	m^3
Elastic section modulus	$W_{el,z}$	2,6800e-05	m^3
Second moment of area	I_y	3,4900e-06	m^4
Second moment of area	I_z	1,3400e-06	m^4
Torsional constant	I_t	5,2400e-08	m^4
Method for equivalent moment factor $C_{my,0}$		Table A.2 Line 1 (Linear)	
Ratio of end moments	ψ_y	-0,60	
Equivalent moment factor	$C_{my,0}$	0,66	
Method for equivalent moment factor $C_{mz,0}$		Table A.2 Line 1 (Linear)	
Ratio of end moments	ψ_z	0,22	
Equivalent moment factor	$C_{mz,0}$	0,84	
Factor	μ_y	1,00	
Factor	μ_z	1,00	
Factor	ε_y	13,06	
Factor	a_{LT}	0,98	
Critical moment for uniform bending	$M_{cr,0}$	1401,80	kNm
Relative slenderness	$\lambda_{rel,0}$	0,12	
Limit relative slenderness	$\lambda_{rel,0,lim}$	0,32	
Equivalent moment factor	C_{my}	0,66	
Equivalent moment factor	C_{mz}	0,84	

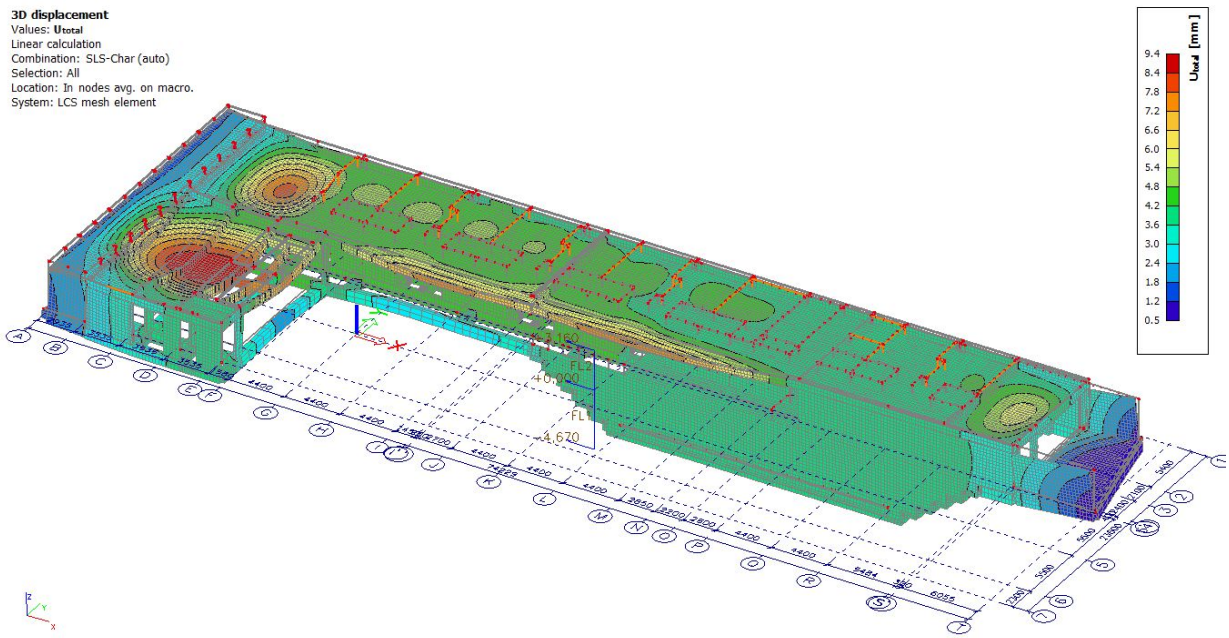
Unity check (6.61) = 0,05 + 0,41 + 0,01 = 0,47 -
Unity check (6.62) = 0,05 + 0,22 + 0,02 = 0,29 -

Shear Buckling check
According to EN 1993-1-5 article 5 & 7.1 and formula (5.10) & (7.1)

Shear Buckling parameters			
Buckling field length	a	0,600	m
Web		unstiffened	
Web height	h_w	80	mm
Web thickness	t	5	mm
Material coefficient	ε	1,00	
Shear correction factor	η	1,20	

Shear Buckling verification		
Web slenderness	h_w/t	16,00
Web slenderness limit		60,00

Note: The web slenderness is such that Shear Buckling effects may be ignored according to EN 1993-1-5 article 5.1(2).
The member satisfies the stability check.



OPOMBE!

- V izračunu so upoštevana srednje dobro nosilna tla zato je potrebno pred izvedbo pridobiti mnenje geomehanika in po potrebi izračune prilagoditi dejanskemu stanju terena ali pa predpisati ustrezno pripravo temeljne podlage.
- Pri armiranju upoštevati zahteve za potresno odpornost in duktilnost.
- Dilatacijske stike mozničiti zaradi preprečitve diferenčnih pomikov!

Računal: Matjaž ŽABKAR, d.i.gr
Št. Strok. Izpita GRA – 08 / 052

INVESTITOR: *Občina Ravne na Koroškem, Gačnikova pot 5*
2390 Ravne na Koroškem in
Koroški dom starostnikov, Črneče 146, 2370 Dravograd

OBJEKT: *Center starejših KO-RA, Ravne na Koroškem*
novogradnja, rekonstrukcija

FAZA: **PZI**

ŠT. NAČRTA: **DMM-023/21**

ŠT. PROJEKTA: **2020/03**

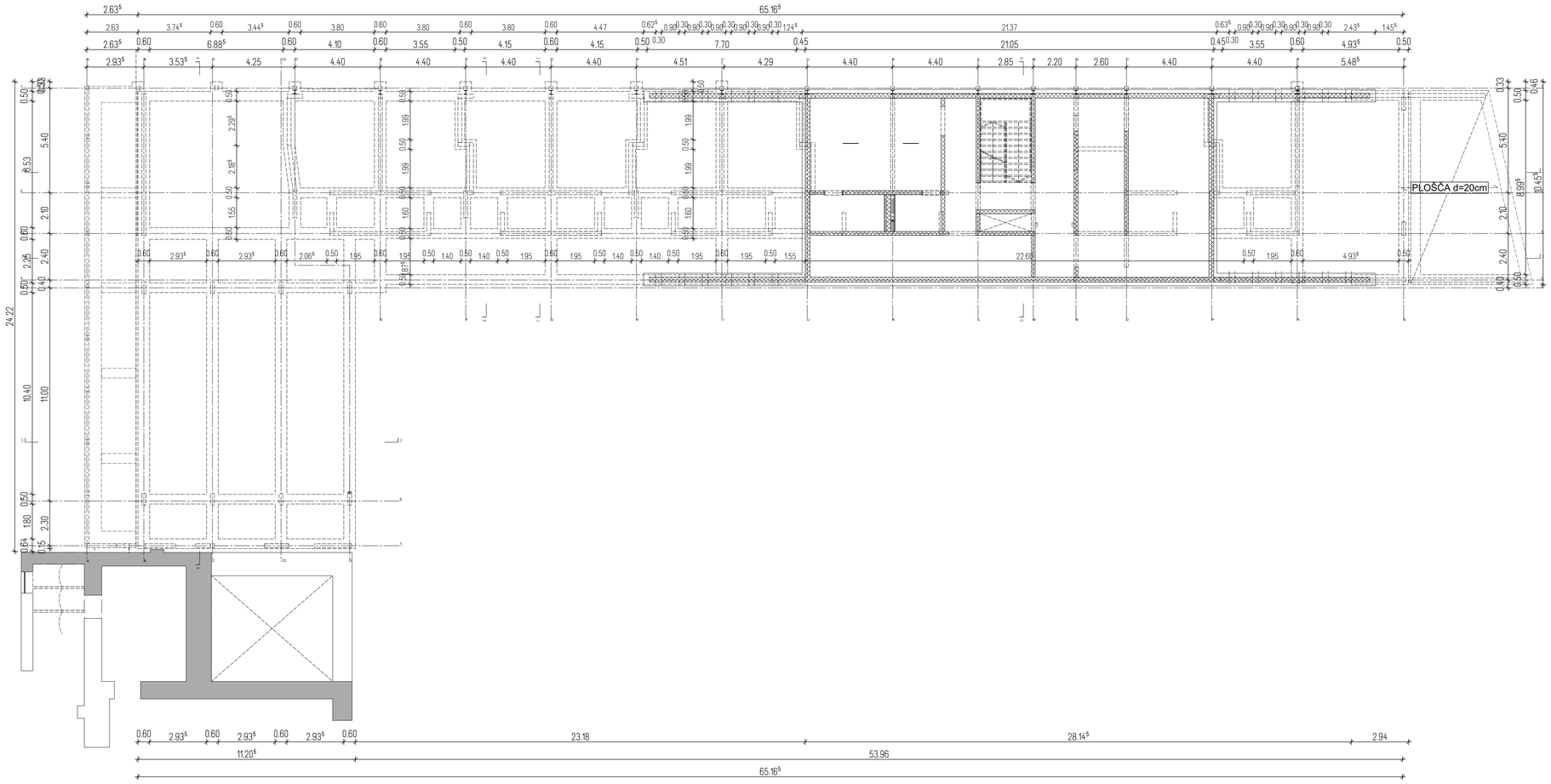
3.0 RISBE – NAČRTI GRADBENIH KONSTRUKCIJ

Ljubljana, Junij 2021

Odgovorni projektant:

Matjaž ŽABKAR, dipl. inž. gradb.

TLORIS TEMELJEV NA NIVOJU PRITLIČJA in KLETI

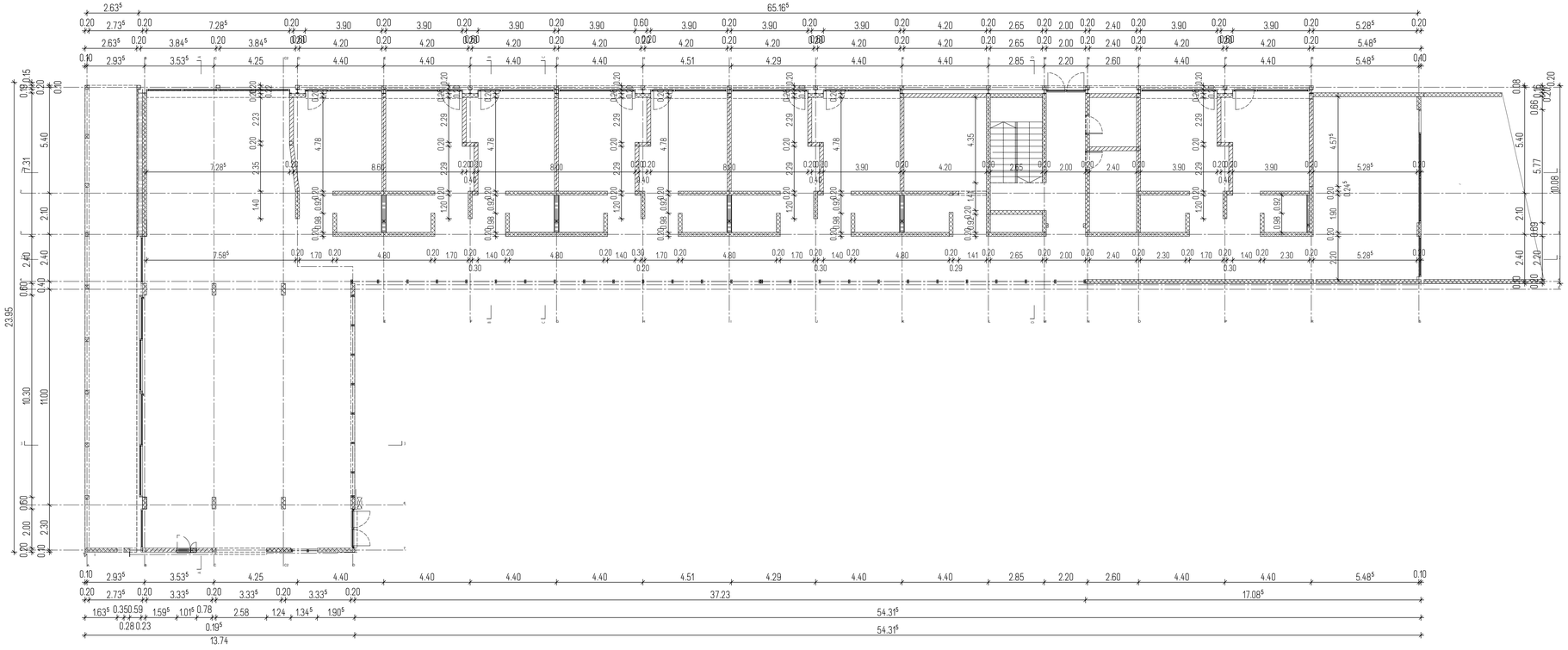


OPOMBE:
- Vse mere je potrebno pred izvedbo preveriti in uskladiti z načrtom arhitekture!
- Načrt prikazuje elemente konstrukcije v statičnem izračunu in služi kot osnova za izdelavo podrobnih PZI načrtov!
- Dimenzije elementov povzeti po statičnem izračunu!
- Izvedba dilatacijskih je predvidena z mozniki zaradi preprečitve diferenčnih pomikov!
- Montažni ali prefabricirani elementi so predmet načrta arhitekture!
- Načrt gledati skupaj z drugimi gradbenimi in arhitekturnimi načrti!

Uporabljeni materiali:
- Beton: C25/30
- Armatura: S500 B
- Jekla: S235 JR

DM-METAL d.o.o. Sentjanž pri Dravogradu 145 2373 Šentjanž pri Dravogradu		Investitor:	Občina Ravne na Koroškem, Gačnikova pot 5, 2390 Ravne na Koroškem in Koroški dom starostnikov, Črneče 146, 2370 Dravograd	
		Objekt:	Center starejših KO-RA, Ravne na Koroškem	
		Načrt:	2 - Načrt gradbeništva	Faza: PZI
			Ime in priimek:	Id. številka: / Podpis:
		Odgovorni vodja projekta:	Marušа ZOREC, univ. dipl. inž. arh.	ZAPS 1018 A
Štev. projekta: 2020/3	Datum: Julij 2021	Odgovorni projektant:	Matjaž ŽABKAR, d.i.gr.	IZS G-2844
Štev. načrta: DMM-023/20	Merilo: M 1:100	Projektant:		
Vsebina lista:	TLORIS TEMELJEV in KLETI (pozicijski načrt)			Št. lista: 3.G.1

TLORIS PRITLIČJA



OPOMBE:
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- Dimenzije elementov povzeti po statičnem izračunu!
- Izvedba dilatacijskih je predvidena z mozniki zaradi preprečitve diferenčnih pomikov!
- Montažni ali prefabricirani elementi so predmet načrta arhitekture!
- Načrt gledati skupaj z drugimi gradbenimi in arhitekturnimi načrti!

Uporabljeni materiali:
- Beton: C25/30
- Armatura: S500 B
- Jekla: S235 JR

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2373 Senjanž pri Dravogradu
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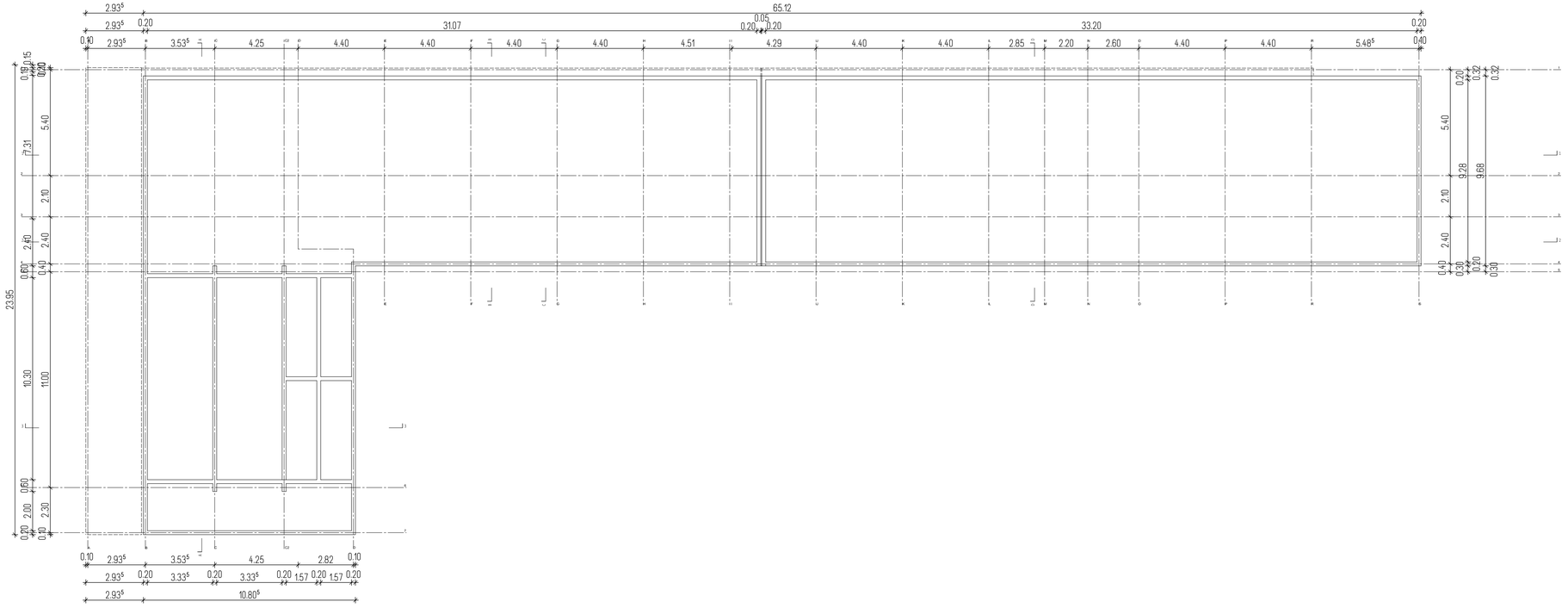
E-mail: info@dm-metal.si

Investitor:	Občina Ravne na Koroškem, Gačnikova pot 5, 2390 Ravne na Koroškem in Koroški dom starostnikov, Črneče 146, 2370 Dravograd			
Objekt:	Center starejših KO-RA, Ravne na Koroškem			
Načrt:	2 - Načrt gradbeništva	Faza:	PZI	
	Ime in priimek:	Id. številka:	Podpis:	
Odgovorni vodja projekta:	Marušа ZOREC, univ. dipl. inž. arh.	ZAPS 1018 A		
Odgovorni projektant:	Matjaž ŽABKAR, d.i.gr.	IZS G-2844		
Projektant:				

Štev. projekta: 2020/3	Datum: Julij 2021	Merilo: M 1:100	
Štev. načrta: DMM-023/20			
Vsebina lista:	TLORIS PRITLIČJA (pozicijski načrt)		Št. lista: 3.G.2

TLORIS STREHE



OPOMBE:
- Vse mere je potrebno pred izvedbo preveriti in uskladiti z načrtom arhitekture!
- Načrt prikazuje elemente konstrukcije v statičnem izračunu in služi kot osnova za izdelavo podrobnih PZI načrtov!
- Dimenzije elementov povzeti po statičnem izračunu!
- Izvedba dilatacijskih je predvidena z mozniki zaradi preprečitve diferenčnih pomikov!
- Montažni ali prefabricirani elementi so predmet načrta arhitekture!
- Načrt gledati skupaj z drugimi gradbenimi in arhitekturnimi načrti!

Uporabljeni materiali:
- Beton: C25/30
- Armatura: S500 B
- Jekla: S235 JR

DM-METAL d.o.o.
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2373 Šentjanž pri Dravogradu
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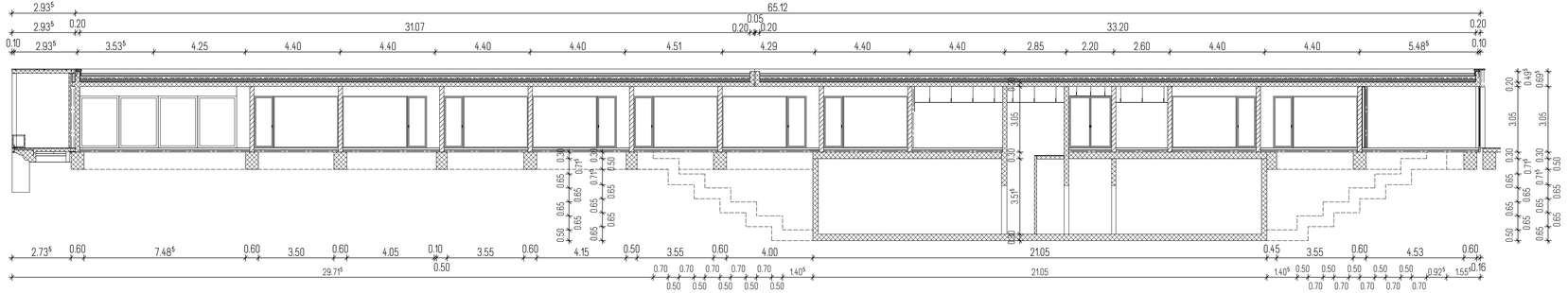
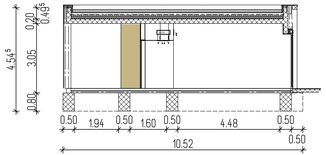
Objekt:	Center starejših KO-RA, Ravne na Koroškem			
Načrt:	2 - Načrt gradbeništva	Faza:	PZI	
	Ime in priimek:	Id. številka:	Podpis:	
Odgovorni vodja projekta:	Marušа ZOREC, univ. dipl. inž. arh.	ZAPS 1018 A		
Odgovorni projektant:	Matjaž ŽABKAR, d.i.gr.	IZS G-2844		
Projektant:				

Štev. projekta: 2020/3	Datum: Julij 2021		
Štev. načrta: DMM-D23/20	Merilo: M 1:100		
Vsebina lista:	TLORIS STREHE (pozicijski načrt)	Št. lista:	3.G.3

PREREZ 1-1



PREREZ A-A



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Objekt:	Center starejših KO-RA, Ravne na Koroškem			
Načrt:	2 - Načrt gradbeništva		Faza:	PZI
	Ime in priimek:		Id. številka:	Podpis:
Odgovorni vodja projekta:	Maruša ZOREC, univ. dipl. inž. arh.		ZAPS 1018 A	
Odgovorni projektant:	Matjaž ŽABKAR, d.i.gr.		IZS G-2844	
Projektant:				

Štev. projekta: 2020/3	Datum: Julij 2021	Štev. načrta: DMM-023/20	Merilo: M 1:100

Vsebina lista: PREREZI (pozicijski načrt)

Št. lista: 3.G.4