bolwerk weekers

Zeilbergsestraat 43
5751 LH Deurne

telefoon 0493-315438

info@bolwerkweekers.nl
www.bolwerkweekers.nl

project

Nieuwbouw opslagloods aan de Houtsberg 11 in Nederweert-Eind

projectnummer

22152

onderdeel

statische berekening

versie

01

datum

03-06-2022

berekend advies

Rabobank IBAN
NL73RABO0170872874

K.V.K. 17067298
BTW 8044.21.936.B.01

A. INHOUD:

B. ALGEMENE GEGEVENS

PROJECTGEGEVENS

Onderdeel	:	statische berekening
Constructeur	:	[redacted]
Kenmerk	:	22152-statische berekening-01
Opdrachtgever	:	[redacted]
Ontwerp	:	van den Schoor bouwkundig ontwerpburo BV

Adviezen worden uitgevoerd onder de vigerende voorwaarden zoals omschreven in de DNR2011 die een aansprakelijkheidsbeperking bevat. Een exemplaar van de DNR wordt op verzoek digitaal toegezonden of is te downloaden vanaf http://www.bolwerkweekers.nl/download/DNR2011.pdf

GEBOUWGEGEVENS

Type gebouw	:	bedrijfsruimte
Windgebied	:	III
Omgeving	:	onbebouwd
Gevolgklasse	:	CC1
Referentieperiode	:	15 jaar
Brandwerendheid hoofddraagconstructie	:	n.v.t.

WIJZIGINGEN

Kenmerk	datum	wijzigingen

MATERIAALGEGEVENS

Betonconstructies	:	Betonkwaliteit :	C20/25
		Samenstelling volgens zeefanalyse van de betoncentrale.	
		Cement :	CEM I 32,5 R
		Betonstaalkwaliteit :	B500
Staalconstructies	:	Staalkwaliteit :	S 235
		Elektrisch te lassen :	min. a = 5mm
		Bouten min.	M16, kwaliteit 8.8.
		Ankers min.	M16, kwaliteit 4.6.
Houtconstructies	:	Europees naaldhout,	
		Sterkteklasse	C18
		Klimaatklasse	1
Metselwerk	:	Baksteen	f'_b = 12.5 N/mm²
		Porisostuc	f'_b = 15.0 N/mm²
		Kalkzandsteen CS12	f'_b = 12.0 N/mm²
		Kalkzandsteen klinker CS20	f'_b = 20.0 N/mm²
		MBI betonsteen	f'_b = 20.0 N/mm²
		Mortelkwaliteit	f'_m = 10.0 N/mm²
		Dilatatie metselwerk volgens opgave fabrikant.	
Grondwerken	:	Grondwerk ten minste uitvoeren conform NEN-EN 1997-1 en -2	
Normen	:	Voor berekening geldende normen zijn de	
		NEN-EN 1990,	algemeen
		NEN-EN 1991-1-1 t/m -7,	belastingen
		NEN-EN 1992-1-1 en -2,	beton
		NEN-EN 1993-1-1, -2 en -8	staal
		NEN-EN 1994-1-1 en -2,	staal-beton
		NEN-EN 1995-1-1 en -2,	hout
		NEN-EN 1996-1-1 en -2,	metselwerk
		NEN-EN 1997-1-1 en -2,	geotechnisch
Detailberekeningen	:	Prefab betonconstructies, stalen gevels en dakplaten, werkplaatstekeningen en detailberekeningen volgens tekening en berekening van betreffende fabrikant.	

C. BELASTINGEN

KAP

sandwich panelen met gordingen		g_k	=	0.20	kN/m²
sneeuw belasting	$\Psi_0 = 0$	s_k	=	0.56	kN/m²
zonnepanelen		g_k	=	0.15	kN/m²

GEVELS

betonnen elementen	g_k	=	3.75	kN/m²
gevelbeplating	g_k	=	0.20	kN/m²

D. STABILITEIT

ALGEMEEN

Stabiliteit van de hal wordt verzorgd door windverbanden in het dak en de gevels welke de wind naar de fundering afdragen.

Algemene uitgangspunten

gevolgklasse =	CC1		$\gamma_{G\ 6,10,a}$ =	1,22	$\gamma_{G\ 6,10,b}$ =	1,08	γ_Q =	
Referentieperiode =	15	jaar	$c_{prob.}$ =	0,914				
Windgebied =	III		$c_0(z)$ =	1,00	niet gerekend met heuvels			
Terreincategorie =	onbebouwd		$c_s c_d$ =	1,00	bouwwerkfactor			
Gebouwhoogte z =	9,00	m	$q_p(z)$ =	0,57	kN/m²			
ruwheid dak =	ruw		C_f =	0,02				

halafmetingen

hoogte nok h_{nok} =	9,00	m						
goothoogte (gemiddeld) h_{goot} =	7,00	m						
gemiddelde hoogte h_{gem} =	8,00	m						
lengte kopgevel B =	15,10	m	L_{fr} =	0	m²	h/L =	0,45	
			corr. factor =	0,850				
lengte stal L =	20,00	m	B_{fr} =	0	m²	h/B =	0,60	
			corr. factor =	0,850				

scheefstand

eigen gewicht dak G_k =	0,35	kN/m²	
scheefstand =	1/250		
eigen gewicht dak g_k =	0,03	kN/m¹	$L*G_k$ / scheefstand
R_{gk} =	0,21	kN	

wind

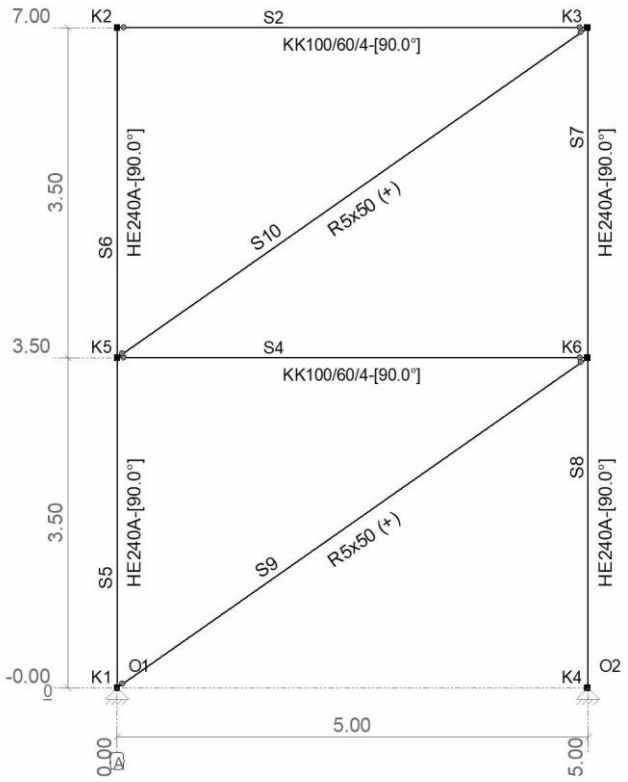
winddruk w_k =	1,81	kN/m¹	$0,5*h_{gem}*0,8*q_p$
windzuiging w_k =	1,13	kN/m¹	$0,5*h_{gem}*0,5*q_p$
windwrijving w_k =	0,00	kN/m¹	$C_f*L_{fr}*q_p$
w_k =	2,50	kN/m¹	
R_{wk} =	18,86	kN	

dakverband

aantal dakverbanden n =	1				
hoogte dakverband =	5,00	m			
breedte vak dakverband =	3,80	m			
R_{wk} =	14,11	kN	R_d=	19,28	kN
per verband R_{wk} =	14,11	kN	R_d=	19,05	kN
$R_{w;diag;k}$ =	17,73	kN	$R_{w;diag;d}$ =	**23,93**	kN

WINDBOKKEN LANGSGEVELS

AFB. GEOMETRIE



STAVEN

Staaf	Knoop B	Knoop E	X-B	Z-B	X-E	Z-E	Lengte	Profiel	Positie
S2	K2	K3	0,00	-7,00	5,00	-7,00	5,00	P1	0,00 - L(5,00)
S4	K5	K6	0,00	-3,50	5,00	-3,50	5,00	P1	0,00 - L(5,00)
S5	K1	K5	0,00	0,00	0,00	-3,50	3,50	P2	0,00 - L(3,50)
S6	K5	K2	0,00	-3,50	0,00	-7,00	3,50	P2	0,00 - L(3,50)
S7	K3	K6	5,00	-7,00	5,00	-3,50	3,50	P2	0,00 - L(3,50)
S8	K6	K4	5,00	-3,50	5,00	0,00	3,50	P2	0,00 - L(3,50)
S9	K1	K6	0,00	0,00	5,00	-3,50	6,10	P3	0,00 - L(6,10)
S10	K5	K3	0,00	-3,50	5,00	-7,00	6,10	P3	0,00 - L(6,10)

PROFIELEN

Profiel	Profielnaam	Oppervlakte	Iy	Materiaal	Hoek
P1	KK100/60/4	1.1748e-03	6.8682e-07	S275MH/MLH	90,0
P2	HE240A	7.6836e-03	2.7688e-05	S235	90,0
P3	R5x50	2.5000e-04	5.2083e-08	S235	0,0

PROFIELVORMEN

Profiel	Verl. h.	hB	hE	tf	tw	tf2	B	bL	bR	Raatl.	Hoogte
P3	Nee	0,050	0,050	0,0000	0,0000	0,0000	0,005	0,000	0,000	Nee	0,000

MATERIALEN

Materiaal	Dichtheid	E-Modulus	Uitzettingcoeff
S275MH/MLH	78.50	2.1000e+08	12.0000e-06
S235	78.50	2.1000e+08	12.0000e-06

PROFIELEN (GEAVANCEERD)

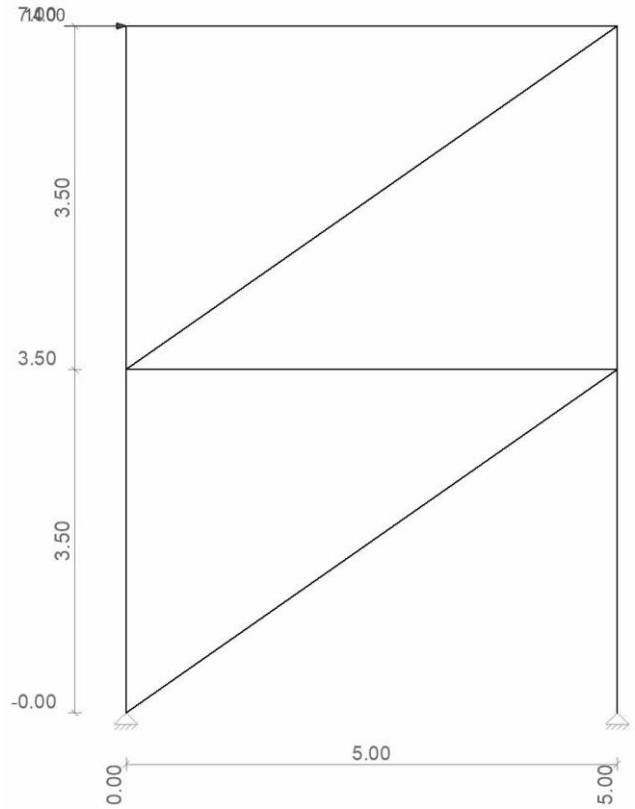
Profiel	Ivv	Avz	Trek	Druk	Kabelelement	Voorspanning
P3	5.2083e-10	2.0833e-04	Ja	Nee	Nee	0.00

OPLEGGINGEN

Oplegging	Object	Positie	X	Z	Yr	HoekYr
O1	K1	0,00	Vast	Vast	Vrij	0

O2	K4	0,00	Vast	Vast	Vrij	0

B.G.1: WINDBELASTING

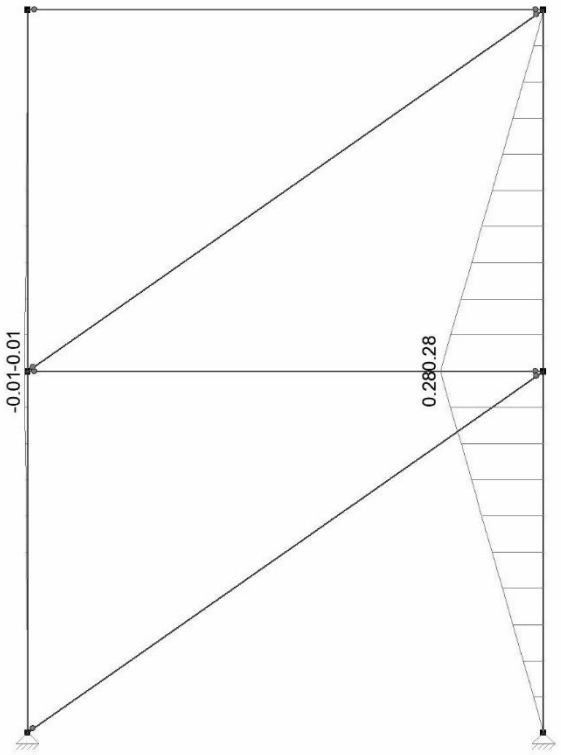


B.G.1: WINDBELASTING

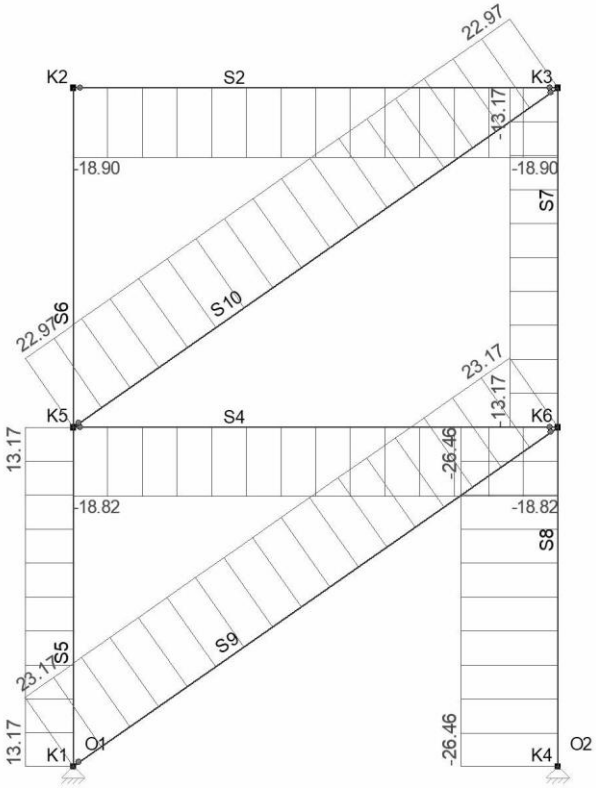
Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.1: Windbelasting						
N	14,00				X	K2

FUNDAMENTEEL BELASTINGSCOMBINATIES (LIJST)

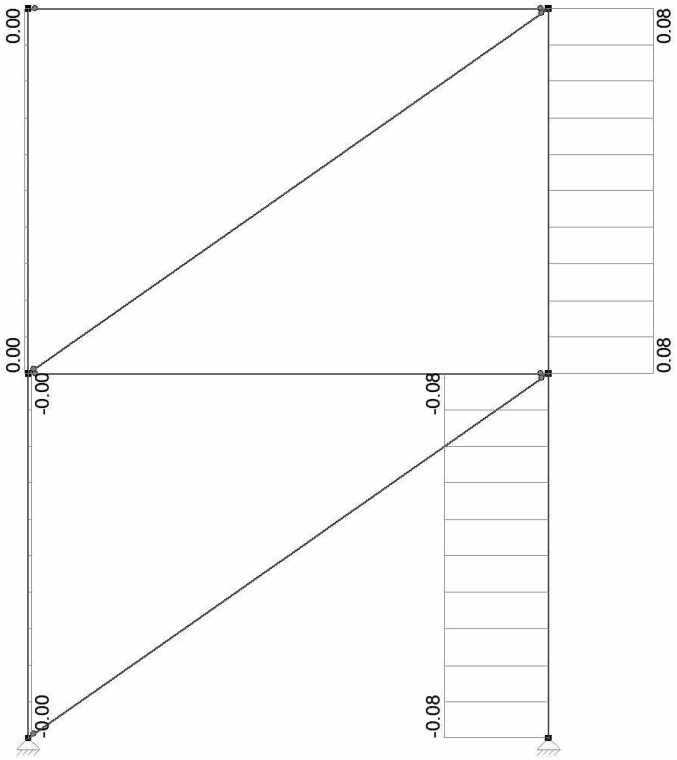
Fu.C.1 = 1.35*B.G.1



AFB. FU.C. NORMAALKRACHT (NX) OMHULLENDE Fundamenteel Belastingscombinaties



AFB. FU.C. DWARSKRACHT (VZ) OMHULLENDE Fundamenteel Belastingscombinaties



FU.C. EXTREME STAAFKRACHTEN ANALYSE

Staaf	B.C.	Mb	Mmax	xMmax	Me	x-M0	x-M0	T/D	Nmax	Vb	Vmax	Ve
S2	Fu.C.1	0.00	0.00	0.00	0.00	0.00	0.00	D	**-18.90**	0.00	0.00	0.00
S4	Fu.C.1	0.00	0.00	0.00	0.00	0.00	0.00	D	**-18.82**	0.00	0.00	0.00
S5	Fu.C.1	0.00	0.00	0.00	**-0.01**	0.00	0.00	T	**13.17**	**0.00**	**0.00**	**0.00**
S6	Fu.C.1	**-0.01**	0.00	0.00	0.00	0.00	0.00	-	0.00	**0.00**	**0.00**	**0.00**
S7	Fu.C.1	0.00	0.00	0.00	**0.28**	0.00	0.00	D	**-13.17**	**0.08**	**0.08**	**0.08**
S8	Fu.C.1	**0.28**	0.00	0.00	0.00	0.00	0.00	D	**-26.46**	**-0.08**	**-0.08**	**-0.08**
S9	Fu.C.1	0.00	0.00	0.00	0.00	0.00	0.00	T	**23.17**	0.00	0.00	0.00
S10	Fu.C.1	0.00	0.00	0.00	0.00	0.00	0.00	T	**22.97**	0.00	0.00	0.00

FU.C. EXTREME OPLEGREACTIES ANALYSE

Opleggin g	Knoop	B.C.	Xmax	Z	My	B.C.	X	Zmax	My	B.C.	X	Z	Mymax
O1	K1					Fu.C.1	-18.98	**26.46**	0.00				
O1	K1	Fu.C.1	**-18.98**	26.46	0.00								
O2	K4	Fu.C.1	**0.08**	-26.46	0.00								
O2	K4					Fu.C.1	0.08	**-26.46**	0.00				
Globale extreme waarden													
O2	K4	Fu.C.1	**0.08**	-26.46	0.00								
O1	K1	Fu.C.1	**-18.98**	26.46	0.00								
O1	K1					Fu.C.1	-18.98	**26.46**	0.00				
O2	K4					Fu.C.1	0.08	**-26.46**	0.00				

CAPACITEIT WINDVERBANDEN

Capaciteit windverbanden met staalstrip

uitgangspunten

staalkwaliteit	**S235**	N/mm²	f_u	360	N/mm²	γ_{M2}	1,25
boutkwaliteit	**8.8**		f_{ub}	800	N/mm²	γ_{M0}	1,00

Profiel	bouten	capaciteit	b	t	e_1	p_1	e_2
		kN	mm	mm	mm	mm	mm
P50-5	**2 M12**	**46,7**	50	5	25	40	25
P60-6	**2 M16**	**65,3**	60	6	35	55	30
P60-8	**2 M16**	**87,1**	60	8	35	55	30
P70-8	**2 M16**	**107,8**	70	8	35	55	35
P80-8	**2 M20**	**120,3**	80	8	45	65	40
P100-8	**2 M20**	**157,1**	100	8	45	65	50
P100-10	**2 M24**	**191,8**	100	10	55	80	50
P120-10	**2 M24**	**243,6**	120	10	55	80	60
P120-12	**2 M27**	**279,9**	120	12	60	90	60
P120-15	**2 M27**	**349,9**	120	15	60	90	60
P150-15	**3 M27**	**466,6**	150	15	60	90	75

Capaciteit windverbanden met hoeklijnen

uitgangspunten

staalkwaliteit	**S235**	N/mm²	f_u	360	N/mm²	γ_{M2}	1,25
boutkwaliteit	**8.8**		f_{ub}	800	N/mm²	γ_{M0}	1,00

Profiel	bouten	capaciteit	b	t	e_1	p_1	e_2
		kN	mm	mm	mm	mm	mm
L50-5	**2 M12**	**51,4**	50	5	25	40	25
L60-6	**2 M16**	**78,4**	60	6	35	55	30
L70-7	**2 M16**	**104,5**	70	7	35	55	35
L80-8	**2 M20**	**138,0**	80	8	45	65	40
L80-10	**2 M20**	**168,9**	80	10	45	65	40
L90-9	**2 M20**	**176,7**	90	9	45	65	45
L100-10	**2 M24**	**224,3**	100	10	55	80	50
L120-12	**2 M27**	**311,0**	120	12	60	90	60
L120-15	**2 M30**	**387,0**	120	15	65	100	60
L150-15	**3 M30**	**594,7**	150	15	65	100	75

E. KAP

DAKPLATEN

Dak bedrijfsruimte uitvoeren met sandwich panelen met gordingen.
E.e.a. volgens opgave leverancier.

WANDPLATEN

Wandbeplating bedrijfsruimte uitvoeren met sandwich panelen.
E.e.a. volgens opgave leverancier.

GORDINGEN

gording dubbele buiging NEN-EN 1995

Algemene uitgangspunten

Referentieperiode =	15	jaar	$c_{prob.sn}$ =	0,75				
gevolgklasse =	CC1		$\gamma_{G\ 6,10,a}$ =	1,22	$\gamma_{G\ 6,10,b}$ =	1,08	γ_Q =	1,35
Windgebied =	III							
Terreincategorie =	onbebouwd							
Gebouwhoogte z =	9,00	m	$q_p(z)$ =	0,57	kN/m²			
dakhelling =	15	°						

Houtgegevens

houtkwaliteit =	C24	gezaagd	$f_{m,0;rep}$ =	24,0	N/mm²	γ_M =	1,30	
klimaatklasse =	1 (droog)		E_{mean} =	11000	N/mm²	k_{def} =	0,60	
b =	**95**	mm	k_{hb} =	1,10	I_x =	1,39E+07	mm⁴	
h =	**195**	mm			W_x =	2,93E+05	mm³	
h.o.h. =	1500	mm	k_{hh}=	1,00	I_y =	5,87E+07	mm⁴	
lengte =	5000	mm			W_y =	6,02E+05	mm³	

Belastingen

G_k =	0,35	kN/m²						
S_k =	0,42	kN/m²	μ_1 =	0,80				
W_k =	0,28	kN/m²	$C_{pe,10}$ =	0,20	$C_{pi,10}$ =	0,3		
	loodrecht dakvlak			**evenwijdig dakvlak**				
g_k =	0,51	kN/m¹	g_k =	0,14	kN/m¹			
s_k =	0,59	kN/m¹	s_k =	0,16	kN/m¹			
w_k =	0,42	kN/m¹	w_k =	0,00	kN/m¹			

Sterkte

loodrecht op dakvlak 100%

	p_d	M_d	$\sigma_{m,0;y;d}$	$f_{m,0;y;d}$	U.C.
6.10.a :	0,62	1,93	3,20	11,08	**0,39**
sneeuw 6.10.b :	1,34	4,19	6,96	16,62	**0,57**
wind 6.10.b :	1,12	3,50	5,81	16,62	**0,41**

evenwijdig aan dakvlak 100% lengte = 5000 mm

	p_d	M_d	$\sigma_{m,0;x;d}$	$f_{m,0;x;d}$	U.C.
6.10.a :	0,17	0,52	1,76	12,14	**0,35**
sneeuw 6.10.b :	0,36	1,12	3,83	18,20	**0,50**

wind 6.10.b :	0,15	0,46	1,56	18,20	**0,33**

Doorbuiging

loodrecht op dakvlak

	u_{onm}	u_{bij}	u_{eind}	0,004*L	U.C.
sneeuw :	6,4	11,2	17,6	20,0	**0,88**
wind :	6,4	9,2	15,6	20,0	**0,78**

evenwijdig aan dakvlak

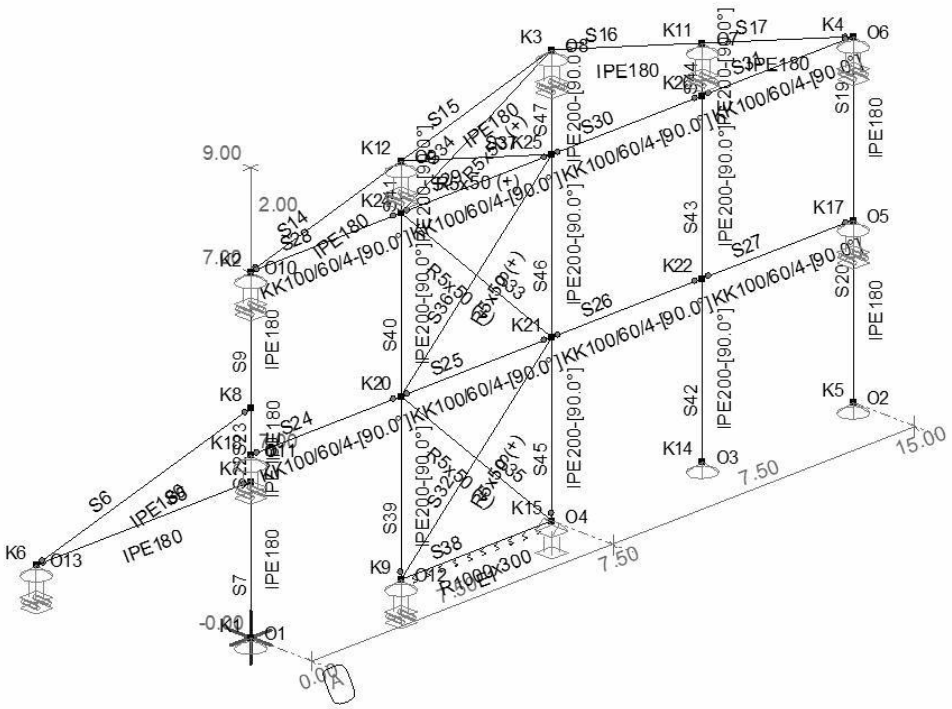
	u_{onm}	u_{bij}	u_{eind}	0,004*L	U.C.
sneeuw :	7,2	12,7	19,9	20,0	**1,00**
wind :	7,2	4,3	11,5	20,0	**0,58**

SPANT AS A

h.o.h. = 2500mm,

belasting wordt door programma gegenereerd.

AFB. GEOMETRIE



STAVEN

Staaf	Knoop B	Knoop E	X-B	Y-B	Z-B	X-E	Y-E	Z-E	Lengte Profiel	Positie
S5	K7	K6	0,00	0,00	-3,00	-5,35	0,00	-3,00	5,35 P1	0,00 - L(5,35)
S6	K6	K8	-5,35	0,00	-3,00	0,00	0,00	-4,40	5,53 P1	0,00 - L(5,53)
S7	K1	K7	0,00	0,00	0,00	0,00	0,00	-3,00	3,00 P1	0,00 - L(3,00)
S9	K8	K2	0,00	0,00	-4,40	0,00	0,00	-7,00	2,60 P1	0,00 - L(2,60)
S14	K2	K12	0,00	0,00	-7,00	3,75	0,00	-8,00	3,88 P1	0,00 - L(3,88)
S15	K12	K3	3,75	0,00	-8,00	7,50	0,00	-9,00	3,88 P1	0,00 - L(3,88)

S16	K3	K11	7,50	0,00	-9,00	11,25	0,00	-8,00	3,88 P1	0,00 - L(3,88)
S17	K11	K4	11,25	0,00	-8,00	15,00	0,00	-7,00	3,88 P1	0,00 - L(3,88)
S19	K4	K17	15,00	0,00	-7,00	15,00	0,00	-3,50	3,50 P1	0,00 - L(3,50)
S20	K17	K5	15,00	0,00	-3,50	15,00	0,00	0,00	3,50 P1	0,00 - L(3,50)
S22	K7	K18	0,00	0,00	-3,00	0,00	0,00	-3,50	0,50 P1	0,00 - L(0,50)
S23	K18	K8	0,00	0,00	-3,50	0,00	0,00	-4,40	0,90 P1	0,00 - L(0,90)
S24	K18	K20	0,00	0,00	-3,50	3,75	0,00	-3,50	3,75 P2	0,00 - L(3,75)
S25	K20	K21	3,75	0,00	-3,50	7,50	0,00	-3,50	3,75 P2	0,00 - L(3,75)
S26	K21	K22	7,50	0,00	-3,50	11,25	0,00	-3,50	3,75 P2	0,00 - L(3,75)
S27	K22	K17	11,25	0,00	-3,50	15,00	0,00	-3,50	3,75 P2	0,00 - L(3,75)
S28	K2	K24	0,00	0,00	-7,00	3,75	0,00	-7,00	3,75 P2	0,00 - L(3,75)
S29	K24	K25	3,75	0,00	-7,00	7,50	0,00	-7,00	3,75 P2	0,00 - L(3,75)
S30	K25	K26	7,50	0,00	-7,00	11,25	0,00	-7,00	3,75 P2	0,00 - L(3,75)
S31	K26	K4	11,25	0,00	-7,00	15,00	0,00	-7,00	3,75 P2	0,00 - L(3,75)
S32	K9	K21	3,75	0,00	0,00	7,50	0,00	-3,50	5,13 P4	0,00 - L(5,13)
S33	K21	K24	7,50	0,00	-3,50	3,75	0,00	-7,00	5,13 P4	0,00 - L(5,13)
S34	K24	K3	3,75	0,00	-7,00	7,50	0,00	-9,00	4,25 P4	0,00 - L(4,25)
S35	K15	K20	7,50	0,00	0,00	3,75	0,00	-3,50	5,13 P4	0,00 - L(5,13)
S36	K20	K25	3,75	0,00	-3,50	7,50	0,00	-7,00	5,13 P4	0,00 - L(5,13)
S37	K25	K12	7,50	0,00	-7,00	3,75	0,00	-8,00	3,88 P4	0,00 - L(3,88)
S38	K9	K15	3,75	0,00	0,00	7,50	0,00	0,00	3,75 P5	0,00 - L(3,75)
S39	K9	K20	3,75	0,00	0,00	3,75	0,00	-3,50	3,50 P3	0,00 - L(3,50)
S40	K20	K24	3,75	0,00	-3,50	3,75	0,00	-7,00	3,50 P3	0,00 - L(3,50)
S41	K24	K12	3,75	0,00	-7,00	3,75	0,00	-8,00	1,00 P3	0,00 - L(1,00)

Staaf	Knoop B	Knoop E	X-B	Y-B	Z-B	X-E	Y-E	Z-E	Lengte	Profiel	Positie
S42	K14	K22	11,25	0,00	0,00	11,25	0,00	-3,50	3,50	P3	0,00 - L(3,50)
S43	K22	K26	11,25	0,00	-3,50	11,25	0,00	-7,00	3,50	P3	0,00 - L(3,50)
S44	K26	K11	11,25	0,00	-7,00	11,25	0,00	-8,00	1,00	P3	0,00 - L(1,00)
S45	K15	K21	7,50	0,00	0,00	7,50	0,00	-3,50	3,50	P3	0,00 - L(3,50)
S46	K21	K25	7,50	0,00	-3,50	7,50	0,00	-7,00	3,50	P3	0,00 - L(3,50)
S47	K25	K3	7,50	0,00	-7,00	7,50	0,00	-9,00	2,00	P3	0,00 - L(2,00)

PROFIELEN

Profiel	Profielnaam	Oppervlakte	It	Iy	Iz	Materiaal	Hoek
P1	IPE180	2.3947e-03	4.7901e-08	1.3170e-05	1.0085e-06	S235	0,0
P2	KK100/60/4	1.1748e-03	1.5211e-06	1.5258e-06	6.8682e-07	S275MH/MLH	90,0
P3	IPE200	2.8484e-03	6.9801e-08	1.9432e-05	1.4237e-06	S235	90,0
P4	R5x50	2.5000e-04	1.9521e-09	5.2083e-08	5.2083e-10	S235	0,0
P5	R1000x300	3.0000e-01	7.3001e-03	2.2500e-03	2.5000e-02	C20/25	0,0

PROFIELVORMEN

Profiel	Verl. h.	hB	hE	tf	tw	tf2	B	bL	bR	Raatl.	Hoogte
P4	Nee	0,050	0,050	0,0000	0,0000	0,0000	0,005	0,000	0,000	Nee	0,000
P5	Nee	0,300	0,300	0,0000	0,0000	0,0000	1,000	0,000	0,000	Nee	0,000

MATERIALEN

Materiaalnaam	Poison	Dichtheid	E-Modulus	Uitzettingcoeff
S235	0.30	78.50	2.1000e+08	12.0000e-06
S275MH/MLH	0.30	78.50	2.1000e+08	12.0000e-06
C20/25	0.20	25.00	3.0000e+07	10.0000e-06

PROFIELEN (GEAVANCEERD)

Profiel	Ivv	Avy	Avz	Trek	Druk	Kabelelement	Voorspanning
P4	5.2083e-10	2.0833e-04	2.0833e-04	Ja	Nee	Nee	0.00

OPLEGGINGEN

Oplegging	Object	Positie	X		Z	Xr	Yr	Zr	HoekXr	HoekYr	HoekZr
O1	K1	0,00	Vast	Vast	Vast	Vrij	Vrij	Vrij	0	0	0
O2	K5	0,00	Vast	Vast	Vast	Vrij	Vrij	Vrij	0	0	0
O3	K14	0,00	Vast	Vast	Vast	Vrij	Vrij	Vrij	0	0	0
O4	K15	0,00	Vast	Vast	Vrij	Vast	Vrij	Vast	0	0	0
O5	K17	0,00	Vrij	Vast	Vrij	Vrij	Vrij	Vrij	0	0	0
O6	K4	0,00	Vrij	Vast	Vrij	Vrij	Vrij	Vrij	0	0	0
O7	K11	0,00	Vrij	Vast	Vrij	Vrij	Vrij	Vrij	0	0	0
O8	K3	0,00	Vrij	Vast	Vrij	Vrij	Vrij	Vrij	0	0	0
O9	K12	0,00	Vrij	Vast	Vrij	Vrij	Vrij	Vrij	0	0	0
O10	K2	0,00	Vrij	Vast	Vrij	Vrij	Vrij	Vrij	0	0	0
O11	K18	0,00	Vrij	Vast	Vrij	Vrij	Vrij	Vrij	0	0	0

O12	K9	0,00	Vrij	Vast	Vrij	Vrij	Vrij	Vrij	0	0	0
O13	K6	0,00	Vrij	Vast	Vrij	Vrij	Vrij	Vrij	0	0	0

GEWICHTSBEREKENING

Index	Staven	Berekening	Waarde Eenhede
Gemeenschappelijk			
	Belastingen en vervormingen	NEN-EN1991	
Lsys1	Systeemmaat	2.50	2,50 [m]
Height1	Totale hoogte van constructie	9.00	9,00 [m]
Width1	Totale diepte van constructie	20.35	20,35 [m]
Width2	Totale breedte van constructie	20.00	20,00 [m]
LR1 (Permanente Belasting)			
	Permanente Belasting	NEN-EN1991-1-1:2011/NB:2011	
	Hellend dak (S14,S16,S6,S15,S17)		
Pp1	Stalen dak + windvb	0.20	0,20 [kN/m²]
q1	Permanente Belasting	Pp1*Lsys1	0,50 [kN/m]
LR2 (Windbelasting Algemeen)			
	Windbelasting Algemeen	NEN-EN1991-1-4:2011/NB:2011	
Width3	Gemiddelde breedte (b)	2.50	2,50 [m]
Height2	Totale hoogte van constructie	9.00	9,00 [m]
Z1	Referentiehoogte	0.6*Height2	5,40 [m]
Region1	Regio	3	3,00
Cat1	Terrein	Onbebouwd	2,00

Index	Staven	Berekening	Waarde Eenhede
LR2 (Windbelasting Algemeen)			
Co1	Orthografie factor (C0)	1.00	1,00
CsCd1	Constructie factor (CsCd)	1.00	1,00
C1	Correlatie factor	0.85	0,85
LR3 (Windbelasting van Links + Overdruk)			
	Windbelasting van Links + Overdruk	NEN-EN1991-1-4:2011/NB:2011	
A1	Belast oppervlak (A)	22.50	22,50 [m²]
Cpe1	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.44)	0,80
Cpi1	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe1,Openingen=0.00,Over=True)	0,20
Z2	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8,K9,K11,K12,K14,K15,K17,K18,K20,K21,K22,K24,K25,K26	9.00	9,00 [m]
Qp1	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z2,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]
Cpe2	Vertikale wand; Druk coefficient (Cpe): S7,S9,S19,S20	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.44)	0,80
q2	Vertikale wand; Verdeelde element belasting (q): S7,S9,S19,S20	(Qp1*Cpe2*CsCd1) * Lsys1	1,35 [kN/m]
Cpe3	Vertikale wand; Druk coefficient (Cpe): S7,S9,S19,S20	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=E,hd=0.44)	-0,50
C2	Vertikale wand; Druk coefficient (Cpe) incl. correlatiefactor: S7,S9,S19,S20	(Cpe2-Cpe3) * C1	1,11
q3	Vertikale wand; Verdeelde element belasting (q): S7,S9,S19,S20	(Qp1*(Cpe3+C2)*CsCd1) * Lsys1	1,02 [kN/m]
q4	Interne druk; Verdeelde element belasting (q)	(Cpi1*Qp1) * Lsys1	0,34 [kN/m]
Cpe4	Zadeldak; Druk coefficient (Cpe): S14,S15	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=H,Hoek=14.93)	-0,30
q5	Zadeldak; Verdeelde element belasting (q): S14,S15	(Qp1*Cpe4*CsCd1) * Lsys1	-0,51 [kN/m]
Cpe5	Zadeldak; Druk coefficient (Cpe): S16	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=J,Hoek=14.93)	-0,99
q6	Zadeldak; Verdeelde element belasting (q): S16	(Qp1*Cpe5*CsCd1) * Lsys1	-1,68 [kN/m]
Cpe6	Zadeldak; Druk coefficient (Cpe): S16,S17	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=I,Hoek=14.93)	-0,40
q7	Zadeldak; Verdeelde element belasting (q): S16,S17	(Qp1*Cpe6*CsCd1) * Lsys1	-0,68 [kN/m]
q8	Vertikale wand; Verdeelde element belasting (q): S19,S20	(Qp1*Cpe3*CsCd1) * Lsys1	-0,85 [kN/m]
q9	Vertikale wand; Verdeelde element belasting (q): S19,S20	(Qp1*(Cpe2-C2)*CsCd1) * Lsys1	-0,52 [kN/m]
LR4 (Windbelasting van Links + Overdruk (2e Cpe))			
	Windbelasting van Links + Overdruk (2e Cpe)	NEN-EN1991-1-4:2011/NB:2011	

A2	Belast oppervlak (A)	22.50	22,50 [m²]
Cpe7	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.44)	0,80
Cpi2	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe7,Openingen=0.00,Over=True)	0,20
Z3	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8,K9,K11,K12,K14,K15,K17,K18,K20,K21,K22,K24,K25,K26	9.00	9,00 [m]
Qp2	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z3,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]
Cpe8	Vertikale wand; Druk coefficient (Cpe): S7,S9,S19,S20	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.44,Eerst=False)	0,80
q10	Vertikale wand; Verdeelde element belasting (q): S7,S9,S19,S20	(Qp2*Cpe8*CsCd1) * Lsys1	1,35 [kN/m]
Cpe9	Vertikale wand; Druk coefficient (Cpe): S7,S9,S19,S20	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=E,hd=0.44,Eerst=False)	-0,50
C3	Vertikale wand; Druk coefficient (Cpe) incl. correlatiefactor: S7,S9,S19,S20	(Cpe8-Cpe9) * C1	1,11
q11	Vertikale wand; Verdeelde element belasting (q): S7,S9,S19,S20	(Qp2*(Cpe9+C3)*CsCd1) * Lsys1	1,02 [kN/m]
q12	Interne druk; Verdeelde element belasting (q)	(Cpi2*Qp2) * Lsys1	0,34 [kN/m]

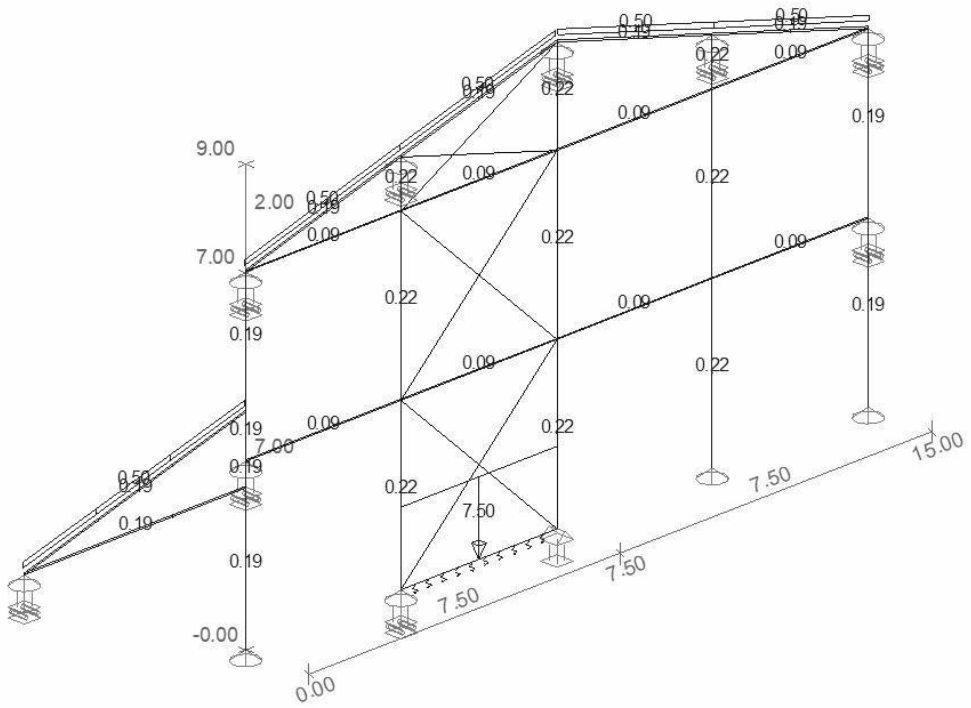
Index	Staven	Berekening	Waarde Eenheden
LR4 (Windbelasting van Links + Overdruk (2e Cpe))			
Cpe10	Zadeldak; Druk coefficient (Cpe): S14,S15	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=H,Hoek=14.93,Eerst=False)	0,20
q13	Zadeldak; Verdeelde element belasting (q): S14,S15	(Qp2*Cpe10*CsCd1) * Lsys1	0,34 [kN/m]
Cpe11	Zadeldak; Druk coefficient (Cpe): S16	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=J,Hoek=14.93,Eerst=False)	0,00
q14	Zadeldak; Verdeelde element belasting (q): S16	(Qp2*Cpe11*CsCd1) * Lsys1	0,00 [kN/m]
Cpe12	Zadeldak; Druk coefficient (Cpe): S16,S17	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=I,Hoek=14.93,Eerst=False)	0,00
q15	Zadeldak; Verdeelde element belasting (q): S16,S17	(Qp2*Cpe12*CsCd1) * Lsys1	0,00 [kN/m]
q16	Vertikale wand; Verdeelde element belasting (q): S19,S20	(Qp2*Cpe9*CsCd1) * Lsys1	-0,85 [kN/m]
q17	Vertikale wand; Verdeelde element belasting (q): S19,S20	(Qp2*(Cpe8-C3)*CsCd1) * Lsys1	-0,52 [kN/m]
LR5 (Windbelasting van Links + Onderdruk)			
	Windbelasting van Links + Onderdruk	NEN-EN1991-1-4:2011/NB:2011	
A3	Belast oppervlak (A)	22.50	22,50 [m²]
Cpe13	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=E,hd=0.44)	-0,50
Cpi3	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe13,Openingen=0.00,Over=False)	-0,30
Z4	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8,K9,K11,K12,K14,K15,K17,K18,K20,K21,K22,K24,K25,K26	9.00	9,00 [m]
Qp3	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z4,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]
Cpe14	Vertikale wand; Druk coefficient (Cpe): S7,S9,S19,S20	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.44)	0,80
q18	Vertikale wand; Verdeelde element belasting (q): S7,S9,S19,S20	(Qp3*Cpe14*CsCd1) * Lsys1	1,35 [kN/m]
Cpe15	Vertikale wand; Druk coefficient (Cpe): S7,S9,S19,S20	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=E,hd=0.44)	-0,50
C4	Vertikale wand; Druk coefficient (Cpe) incl. correlatiefactor: S7,S9,S19,S20	(Cpe14-Cpe15) * C1	1,11
q19	Vertikale wand; Verdeelde element belasting (q): S7,S9,S19,S20	(Qp3*(Cpe15+C4)*CsCd1) * Lsys1	1,02 [kN/m]
q20	Interne druk; Verdeelde element belasting (q)	(Cpi3*Qp3) * Lsys1	-0,51 [kN/m]
Cpe16	Zadeldak; Druk coefficient (Cpe): S14,S15	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=H,Hoek=14.93)	-0,30

q21	Zadeldak; Verdeelde element belasting (q): S14,S15	(Qp3*Cpe16*CsCd1) * Lsys1	-0,51 [kN/m]
Cpe17	Zadeldak; Druk coefficient (Cpe): S16	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=J,Hoek=14.93)	-0,99
q22	Zadeldak; Verdeelde element belasting (q): S16	(Qp3*Cpe17*CsCd1) * Lsys1	-1,68 [kN/m]
Cpe18	Zadeldak; Druk coefficient (Cpe): S16,S17	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=I,Hoek=14.93)	-0,40
q23	Zadeldak; Verdeelde element belasting (q): S16,S17	(Qp3*Cpe18*CsCd1) * Lsys1	-0,68 [kN/m]
q24	Vertikale wand; Verdeelde element belasting (q): S19,S20	(Qp3*Cpe15*CsCd1) * Lsys1	-0,85 [kN/m]
q25	Vertikale wand; Verdeelde element belasting (q): S19,S20	(Qp3*(Cpe14-C4)*CsCd1) * Lsys1	-0,52 [kN/m]
LR6 (Windbelasting van Links + Onderdruk (2e Cpe))			
	Windbelasting van Links + Onderdruk (2e Cpe)	NEN-EN1991-1-4:2011/NB:2011	
A4	Belast oppervlak (A)	22.50	22,50 [m²]
Cpe19	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.44)	-0,50
Cpi4	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe19,Openingen=0.00,Over=False)	-0,30
Z5	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8,K9,K11,K12,K14,K15,K17,K18,K20,K21,K22,K24,K25,K26	9.00	9,00 [m]
Qp4	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z5,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]

Index	Staven	Berekening	Waarde Eenhede
LR6 (Windbelasting van Links + Onderdruk (2e Cpe))			
Cpe20	Vertikale wand; Druk coefficient (Cpe): S7,S9,S19,S20	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D,hd=0.44,Eerst=False)	0,80
q26	Vertikale wand; Verdeelde element belasting (q): S7,S9,S19,S20	(Qp4*Cpe20*CsCd1) * Lsys1	1,35 [kN/m]
Cpe21	Vertikale wand; Druk coefficient (Cpe): S7,S9,S19,S20	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.44,Eerst=False)	-0,50
C5	Vertikale wand; Druk coefficient (Cpe) incl. correlatiefactor: S7,S9,S19,S20	(Cpe20-Cpe21) * C1	1,11
q27	Vertikale wand; Verdeelde element belasting (q): S7,S9,S19,S20	(Qp4*(Cpe21+C5)*CsCd1) * Lsys1	1,02 [kN/m]
q28	Interne druk; Verdeelde element belasting (q)	(Cpi4*Qp4) * Lsys1	-0,51 [kN/m]
Cpe22	Zadeldak; Druk coefficient (Cpe): S14,S15	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=H,Hoek=14.93,Eerst=False)	0,20
q29	Zadeldak; Verdeelde element belasting (q): S14,S15	(Qp4*Cpe22*CsCd1) * Lsys1	0,34 [kN/m]
Cpe23	Zadeldak; Druk coefficient (Cpe): S16	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=J,Hoek=14.93,Eerst=False)	0,00
q30	Zadeldak; Verdeelde element belasting (q): S16	(Qp4*Cpe23*CsCd1) * Lsys1	0,00 [kN/m]
Cpe24	Zadeldak; Druk coefficient (Cpe): S16,S17	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=I,Hoek=14.93,Eerst=False)	0,00
q31	Zadeldak; Verdeelde element belasting (q): S16,S17	(Qp4*Cpe24*CsCd1) * Lsys1	0,00 [kN/m]
q32	Vertikale wand; Verdeelde element belasting (q): S19,S20	(Qp4*Cpe21*CsCd1) * Lsys1	-0,85 [kN/m]
q33	Vertikale wand; Verdeelde element belasting (q): S19,S20	(Qp4*(Cpe20-C5)*CsCd1) * Lsys1	-0,52 [kN/m]
LR7 (Windbelasting (luifels))			
	Windbelasting (luifels)	NEN-EN1991-1-4:2011/NB:2011	
A5	Belast oppervlak (A)	180.00	180,00 [m²]
Z6	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8,K9,K11,K12,K14,K15,K17,K18,K20,K21,K22,K24,K25,K26	9.00	9,00 [m]
Qp5	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z6,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]
B1	Luifel breedte	1.00	1,00
	Luifel S6		
Cpnet1	Druk coefficient (Cpnet)	NEN-EN1991-1-4#7.3(Dak=Luifel,Zone=A,h1h=0.41,Naar beneden=True,hd=0.67)	0,70
F1	Geconcentreerde element belasting (F)	(Qp5*Cpnet1*CsCd1) * B1*5.53	2,62 [kN]
Cpnet2	Druk coefficient (Cpnet)	NEN-EN1991-1-4#7.3(Dak=Luifel,	-1,00

		Zone=A,h1h=0.41,Naar beneden=False,hd=0.67)	
F2	Geconcentreerde element belasting (F)	(Qp5*Cpnet2*CsCd1) * B1*5.53	-3,74 [kN]
LR8 (Sneeuwbelasting)			
	Sneeuwbelasting	NEN-EN1991-1-3:2011/NB:2011	
Sk1	Karakteristiek waarde van de sneeuwlast op de grond (Sk)	NEN-EN1991-1-3#4.1(Zone=1)	0,70 [kN/m²]
Ce1	De milieucoefficient (Ce)	NEN-EN1991-1-3#5.2.7()	1,00
Ct1	De thermische coefficient (Ct)	NEN-EN1991-1-3#5.2.8()	1,00
	Zakgootdak, Mu1 Hoek: 14.66, Mu2 Hoek: 14.66; S6		
Mu1	Mu1; Sneeuwbelasting coefficient (Mu)	EN1991-1-3#5.3(Dak=Zakgootdak ,Hoek=14.66,Mu=Mu1,Sk=Sk1)	0,80
q34	Verdeelde element belasting (q)	(Sk1*Ce1*Ct1*Mu1) * Lsys1	1,40 [kN/m]
Mu2	Mu2; Sneeuwbelasting coefficient (Mu)	EN1991-1-3#5.3(Dak=Zakgootdak ,Hoek=14.66,Mu=Mu2,Sk=Sk1)	1,19
q35	Verdeelde element belasting (q)	(Sk1*Ce1*Ct1*Mu2) * Lsys1	2,08 [kN/m]
	Zadeldak, Mu1 Hoek: 14.93; S14,S15,S16,S17		
Mu3	Mu1; Sneeuwbelasting coefficient (Mu)	EN1991-1-3#5.3(Dak=Hellend,Hoek=14.93,Mu=Mu1,Sk=Sk1)	0,80
q36	Verdeelde element belasting (q)	(Sk1*Ce1*Ct1*Mu3) * Lsys1	1,40 [kN/m]
q37	Verdeelde element belasting (q)	q36*0.50	0,70 [kN/m]

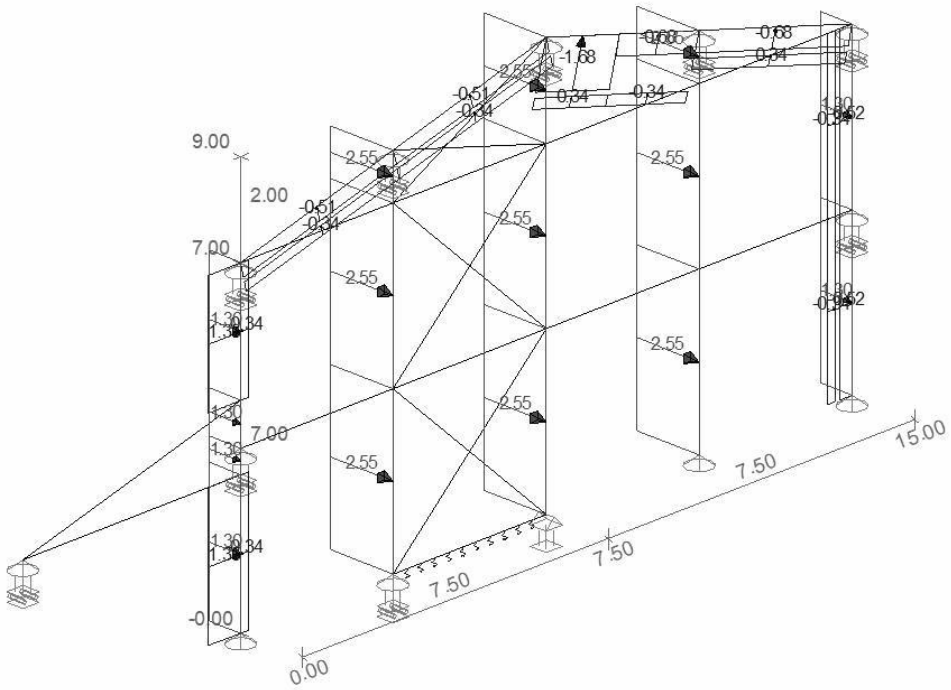
B.G.1: PERMANENTE BELASTING



B.G.1: PERMANENTE BELASTING

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.1: Permanente Belasting						
qG	0,19 (1.00x)	0,19 (1.00x)	0,00	5,35(L)	Z"	S5
qG	0,19 (1.00x)	0,19 (1.00x)	0,00	5,53(L)	Z"	S6
qG	0,19 (1.00x)	0,19 (1.00x)	0,00	3,00(L)	Z"	S7
qG	0,19 (1.00x)	0,19 (1.00x)	0,00	2,60(L)	Z"	S9
qG	0,19 (1.00x)	0,19 (1.00x)	0,00	3,88(L)	Z"	S14-S17
qG	0,19 (1.00x)	0,19 (1.00x)	0,00	3,50(L)	Z"	S19-S20
qG	0,19 (1.00x)	0,19 (1.00x)	0,00	0,50(L)	Z"	S22
qG	0,19 (1.00x)	0,19 (1.00x)	0,00	0,90(L)	Z"	S23
qG	0,09 (1.00x)	0,09 (1.00x)	0,00	3,75(L)	Z"	S24-S31
qG	7,50 (1.00x)	7,50 (1.00x)	0,00	3,75(L)	Z"	S38
q	0,50 (q1)	0,50 (q1)	0,00	3,88(L)	Z"	S6,S14-S17
qG	0,22 (1.00x)	0,22 (1.00x)	0,00	3,50(L)	Z"	S39-S40,S42-S43,S45-S46
qG	0,22 (1.00x)	0,22 (1.00x)	0,00	1,00(L)	Z"	S41,S44
qG	0,22 (1.00x)	0,22 (1.00x)	0,00	2,00(L)	Z"	S47

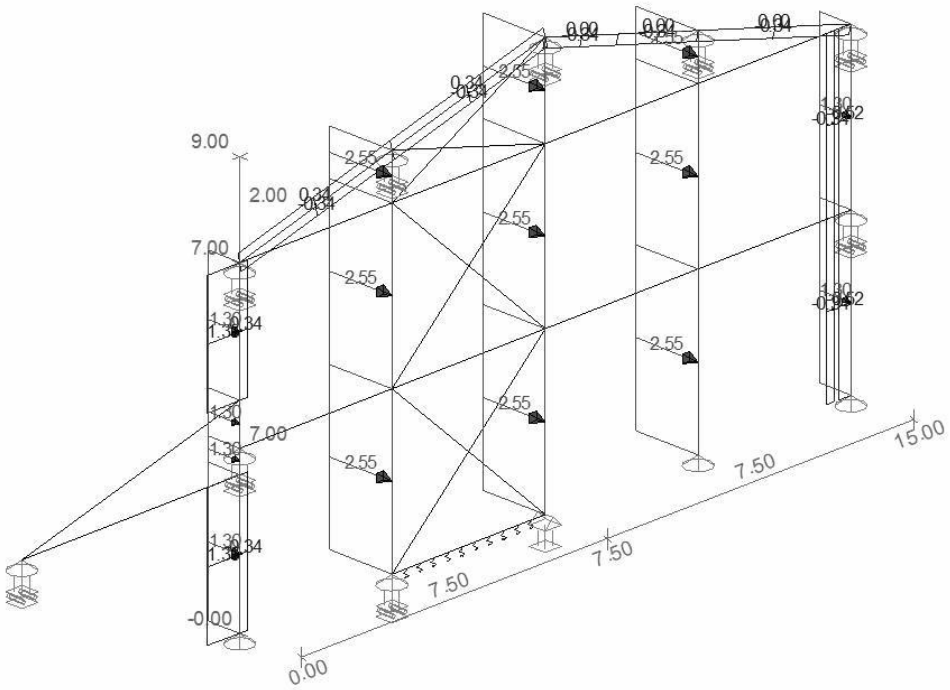
B.G.2: WINDBELASTING VAN LINKS + OVERDRUK



B.G.2: WINDBELASTING VAN LINKS + OVERDRUK

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.2: Windbelasting van Links + Overdruk					
q	1,35 (q2)	1,35 (q2)	0,00	3,00(L)	Z' S7,S9
q	-0,34 (-q4)	-0,34 (-q4)	0,00	3,00(L)	Z' S7,S9,S14-S15,S17,S19-S20
q	-0,51 (q5)	-0,51 (q5)	0,00	3,88(L)	Z' S14-S15
q	-1,68 (q6)	-1,68 (q6)	0,00	1,86	Z' S16
q	-0,34 (-q4)	-0,34 (-q4)	0,00	1,86	Z' S16
q	-0,68 (q7)	-0,68 (q7)	1,86	3,88(L)	Z' S16
q	-0,34 (-q4)	-0,34 (-q4)	1,86	3,88(L)	Z' S16
q	-0,68 (q7)	-0,68 (q7)	0,00	3,88(L)	Z' S17
q	-0,52 (q9)	-0,52 (q9)	0,00	3,50(L)	Z' S19-S20
q	1,30	1,30	0,00	3,00(L)	Y S7,S9,S19-S20,S22-S23
q	2,55	2,55	0,00	3,50(L)	Y S39-S47

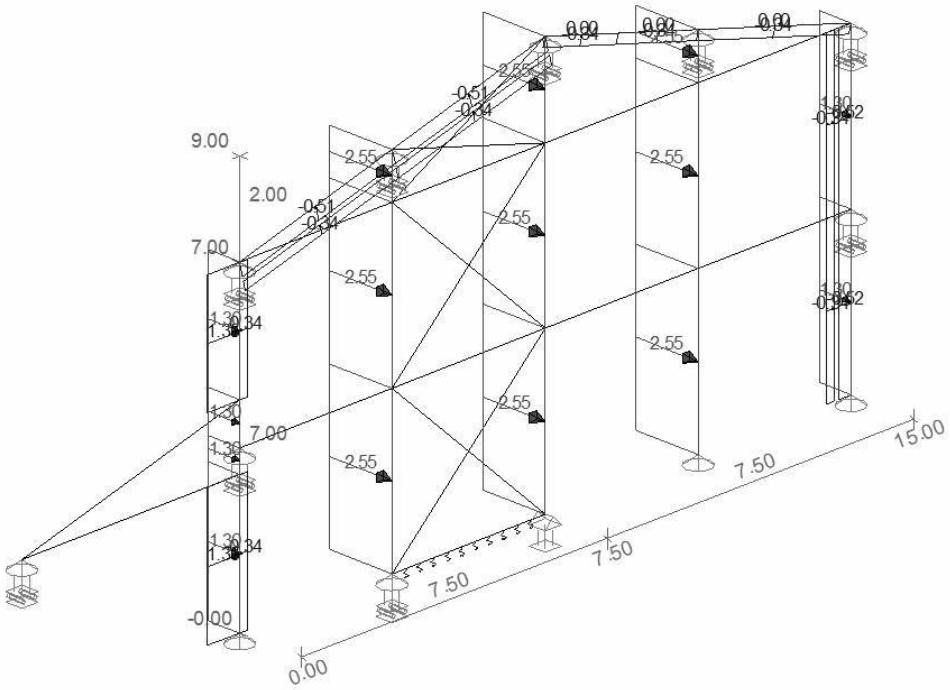
B.G.3: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE)



B.G.3: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.3: Windbelasting van Links + Overdruk (2e Cpe)					
q	1,35 (q10)	1,35 (q10)	0,00	3,00(L)	Z' S7,S9
q	-0,34 (-q12)	-0,34 (-q12)	0,00	3,00(L)	Z' S7,S9,S14-S15,S17,S19-S20
q	0,34 (q13)	0,34 (q13)	0,00	3,88(L)	Z' S14-S15
q	0,00 (q14)	0,00 (q14)	0,00	1,86	Z' S16
q	-0,34 (-q12)	-0,34 (-q12)	0,00	1,86	Z' S16
q	0,00 (q15)	0,00 (q15)	1,86	3,88(L)	Z' S16
q	-0,34 (-q12)	-0,34 (-q12)	1,86	3,88(L)	Z' S16
q	0,00 (q15)	0,00 (q15)	0,00	3,88(L)	Z' S17
q	-0,52 (q17)	-0,52 (q17)	0,00	3,50(L)	Z' S19-S20
q	1,30	1,30	0,00	3,00(L)	Y S7,S9,S19-S20,S22-S23
q	2,55	2,55	0,00	3,50(L)	Y S39-S47

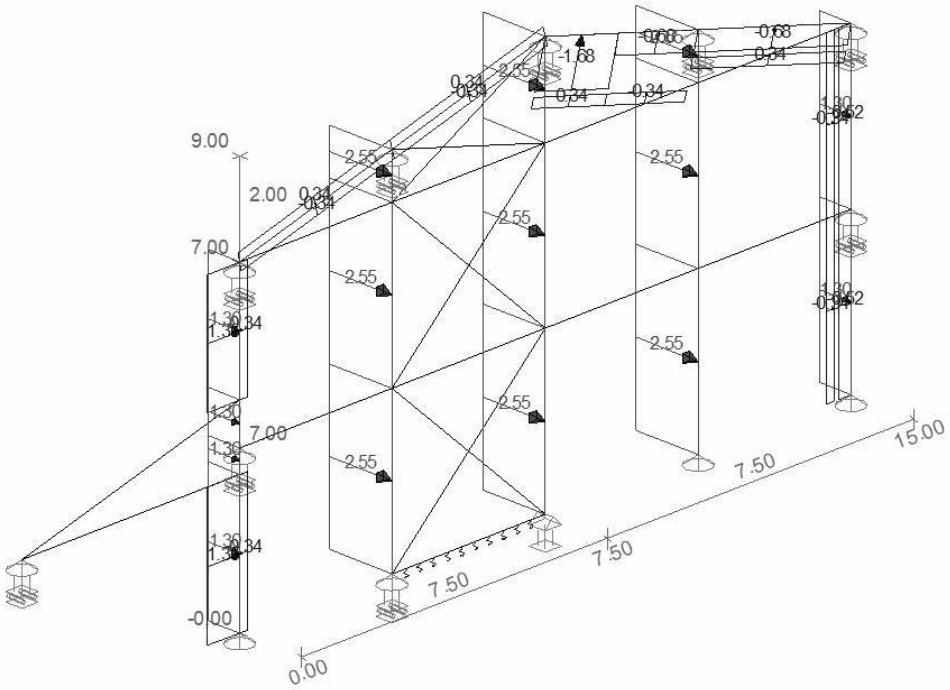
B.G.4: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE)



B.G.4: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.4: Windbelasting van Links + Overdruk (Zadeldak FGH 1e Cpe + IJ 2e Cpe)						
q	1,35 (q2)	1,35 (q2)	0,00	3,00(L)		Z' S7,S9
q	-0,34 (-q4)	-0,34 (-q4)	0,00	3,00(L)		Z' S7,S9,S14-S15,S17,S19-S20
q	-0,51 (q5)	-0,51 (q5)	0,00	3,88(L)		Z' S14-S15
q	0,00 (q14)	0,00 (q14)	0,00	1,86		Z' S16
q	-0,34 (-q4)	-0,34 (-q4)	0,00	1,86		Z' S16
q	0,00 (q15)	0,00 (q15)	1,86	3,88(L)		Z' S16
q	-0,34 (-q4)	-0,34 (-q4)	1,86	3,88(L)		Z' S16
q	0,00 (q15)	0,00 (q15)	0,00	3,88(L)		Z' S17
q	-0,52 (q9)	-0,52 (q9)	0,00	3,50(L)		Z' S19-S20
q	1,30	1,30	0,00	3,00(L)		Y S7,S9,S19-S20,S22-S23
q	2,55	2,55	0,00	3,50(L)		Y S39-S47

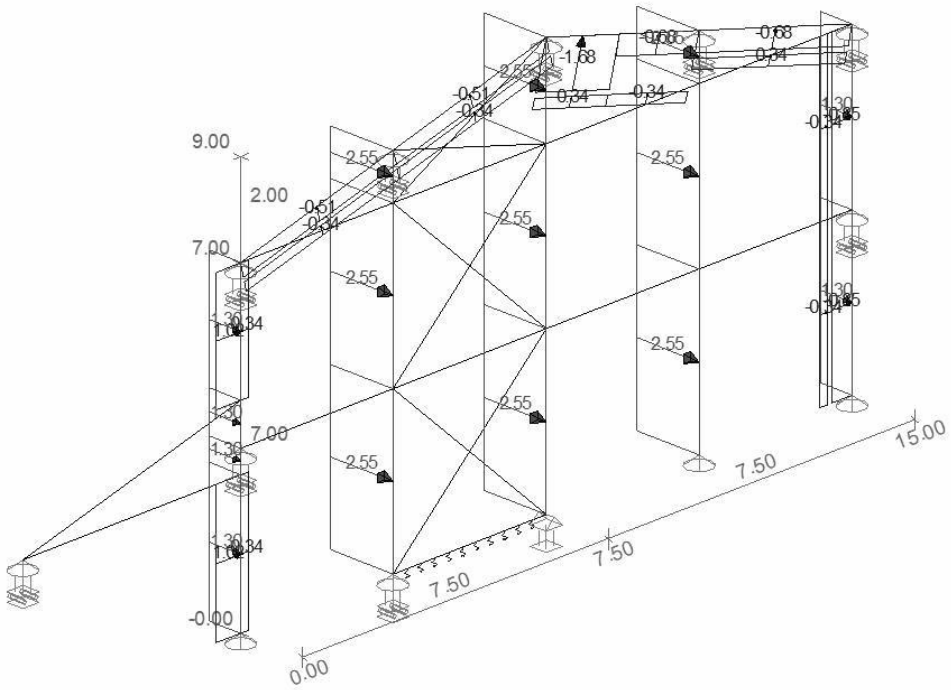
B.G.5: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE)



B.G.5: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.5: Windbelasting van Links + Overdruk (Zadeldak FGH 2e Cpe + IJ 1e Cpe)						
q	1,35 (q2)	1,35 (q2)	0,00	3,00(L)		Z' S7,S9
q	-0,34 (-q4)	-0,34 (-q4)	0,00	3,00(L)		Z' S7,S9,S14-S15,S17,S19-S20
q	0,34 (q13)	0,34 (q13)	0,00	3,88(L)		Z' S14-S15
q	-1,68 (q6)	-1,68 (q6)	0,00	1,86		Z' S16
q	-0,34 (-q4)	-0,34 (-q4)	0,00	1,86		Z' S16
q	-0,68 (q7)	-0,68 (q7)	1,86	3,88(L)		Z' S16
q	-0,34 (-q4)	-0,34 (-q4)	1,86	3,88(L)		Z' S16
q	-0,68 (q7)	-0,68 (q7)	0,00	3,88(L)		Z' S17
q	-0,52 (q9)	-0,52 (q9)	0,00	3,50(L)		Z' S19-S20
q	1,30	1,30	0,00	3,00(L)		Y S7,S9,S19-S20,S22-S23
q	2,55	2,55	0,00	3,50(L)		Y S39-S47

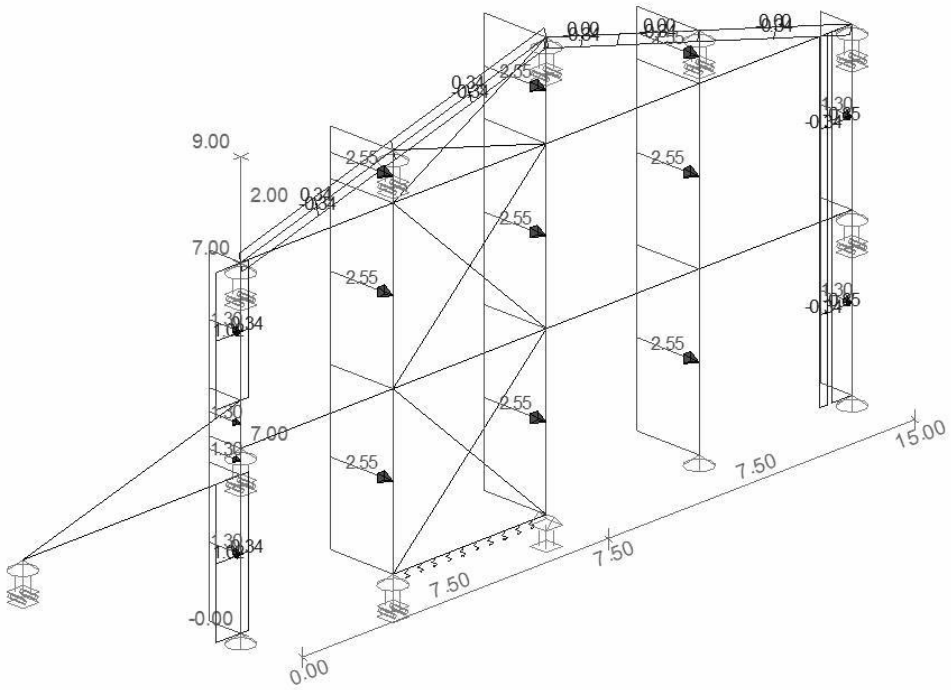
B.G.6: WINDBELASTING VAN LINKS + OVERDRUK (2E CORR. FACTOR)



B.G.6: WINDBELASTING VAN LINKS + OVERDRUK (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.6: Windbelasting van Links + Overdruk (2e corr. factor)					
q	1,02 (q3)	1,02 (q3)	0,00	3,00(L)	Z' S7,S9
q	-0,85 (q8)	-0,85 (q8)	0,00	3,50(L)	Z' S19-S20
q	-0,34 (-q4)	-0,34 (-q4)	0,00	3,00(L)	Z' S7,S9,S14-S15,S17,S19-S20
q	-0,51 (q5)	-0,51 (q5)	0,00	3,88(L)	Z' S14-S15
q	-1,68 (q6)	-1,68 (q6)	0,00	1,86	Z' S16
q	-0,34 (-q4)	-0,34 (-q4)	0,00	1,86	Z' S16
q	-0,68 (q7)	-0,68 (q7)	1,86	3,88(L)	Z' S16
q	-0,34 (-q4)	-0,34 (-q4)	1,86	3,88(L)	Z' S16
q	-0,68 (q7)	-0,68 (q7)	0,00	3,88(L)	Z' S17
q	1,30	1,30	0,00	3,00(L)	Y S7,S9,S19-S20,S22-S23
q	2,55	2,55	0,00	3,50(L)	Y S39-S47

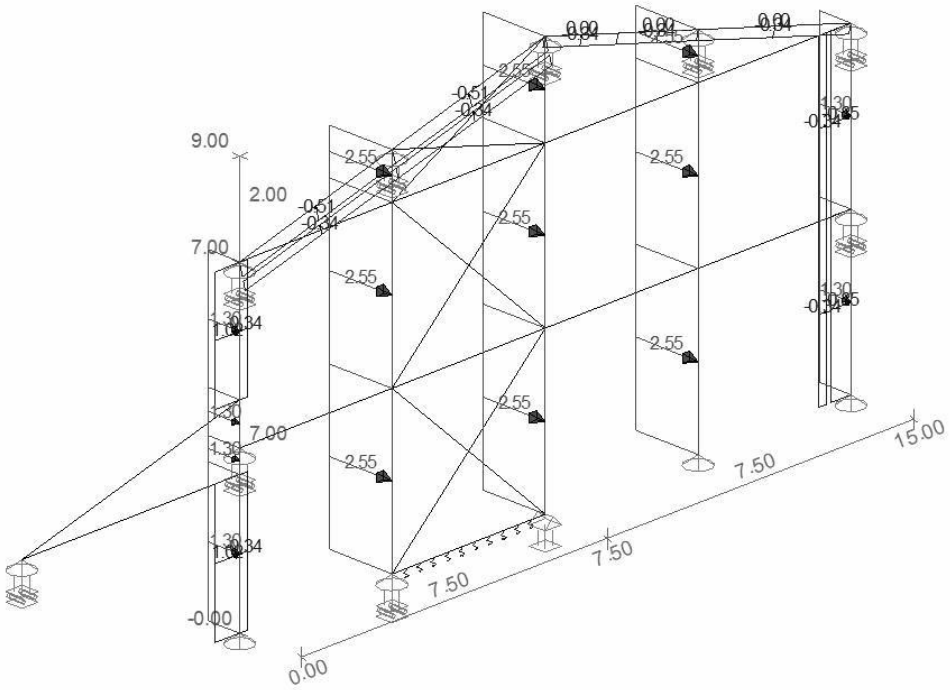
B.G.7: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE) (2E CORR. FACTOR)



B.G.7: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.7: Windbelasting van Links + Overdruk (2e Cpe) (2e corr. factor)					
q	1,02 (q11)	1,02 (q11)	0,00	3,00(L)	Z' S7,S9
q	-0,85 (q16)	-0,85 (q16)	0,00	3,50(L)	Z' S19-S20
q	-0,34 (-q12)	-0,34 (-q12)	0,00	3,00(L)	Z' S7,S9,S14-S15,S17,S19-S20
q	0,34 (q13)	0,34 (q13)	0,00	3,88(L)	Z' S14-S15
q	0,00 (q14)	0,00 (q14)	0,00	1,86	Z' S16
q	-0,34 (-q12)	-0,34 (-q12)	0,00	1,86	Z' S16
q	0,00 (q15)	0,00 (q15)	1,86	3,88(L)	Z' S16
q	-0,34 (-q12)	-0,34 (-q12)	1,86	3,88(L)	Z' S16
q	0,00 (q15)	0,00 (q15)	0,00	3,88(L)	Z' S17
q	1,30	1,30	0,00	3,00(L)	Y S7,S9,S19-S20,S22-S23
q	2,55	2,55	0,00	3,50(L)	Y S39-S47

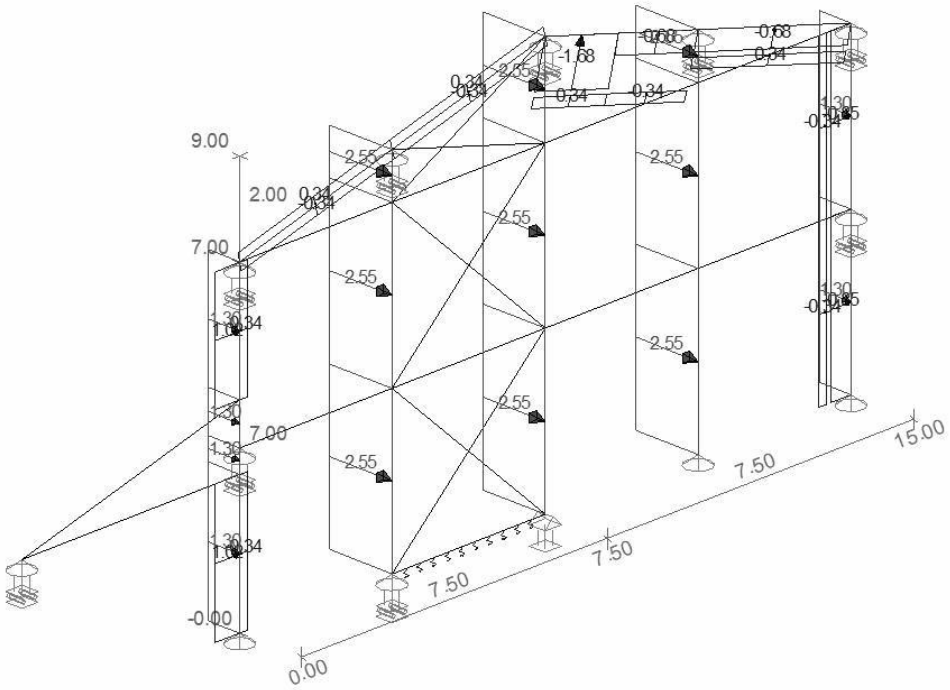
B.G.8: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE) (2E CORR. FACTOR)



B.G.8: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.8: Windbelasting van Links + Overdruk (Zadeldak FGH 1e Cpe + IJ 2e Cpe) (2e corr. factor)					
q	1,02 (q3)	1,02 (q3)	0,00	3,00(L)	Z' S7,S9
q	-0,85 (q8)	-0,85 (q8)	0,00	3,50(L)	Z' S19-S20
q	-0,34 (-q4)	-0,34 (-q4)	0,00	3,00(L)	Z' S7,S9,S14-S15,S17,S19-S20
q	-0,51 (q5)	-0,51 (q5)	0,00	3,88(L)	Z' S14-S15
q	0,00 (q14)	0,00 (q14)	0,00	1,86	Z' S16
q	-0,34 (-q4)	-0,34 (-q4)	0,00	1,86	Z' S16
q	0,00 (q15)	0,00 (q15)	1,86	3,88(L)	Z' S16
q	-0,34 (-q4)	-0,34 (-q4)	1,86	3,88(L)	Z' S16
q	0,00 (q15)	0,00 (q15)	0,00	3,88(L)	Z' S17
q	1,30	1,30	0,00	3,00(L)	Y S7,S9,S19-S20,S22-S23
q	2,55	2,55	0,00	3,50(L)	Y S39-S47

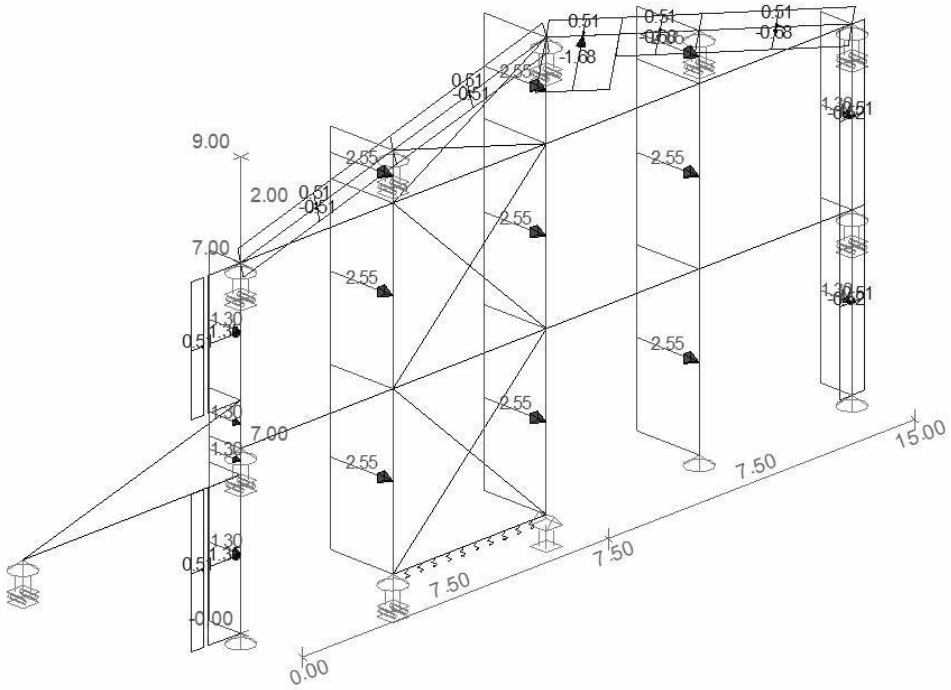
B.G.9: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE) (2E CORR. FACTOR)



B.G.9: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.9: Windbelasting van Links + Overdruk (Zadeldak FGH 2e Cpe + IJ 1e Cpe) (2e corr. factor)					
q	1,02 (q3)	1,02 (q3)	0,00	3,00(L)	Z' S7,S9
q	-0,85 (q8)	-0,85 (q8)	0,00	3,50(L)	Z' S19-S20
q	-0,34 (-q4)	-0,34 (-q4)	0,00	3,00(L)	Z' S7,S9,S14-S15,S17,S19-S20
q	0,34 (q13)	0,34 (q13)	0,00	3,88(L)	Z' S14-S15
q	-1,68 (q6)	-1,68 (q6)	0,00	1,86	Z' S16
q	-0,34 (-q4)	-0,34 (-q4)	0,00	1,86	Z' S16
q	-0,68 (q7)	-0,68 (q7)	1,86	3,88(L)	Z' S16
q	-0,34 (-q4)	-0,34 (-q4)	1,86	3,88(L)	Z' S16
q	-0,68 (q7)	-0,68 (q7)	0,00	3,88(L)	Z' S17
q	1,30	1,30	0,00	3,00(L)	Y S7,S9,S19-S20,S22-S23
q	2,55	2,55	0,00	3,50(L)	Y S39-S47

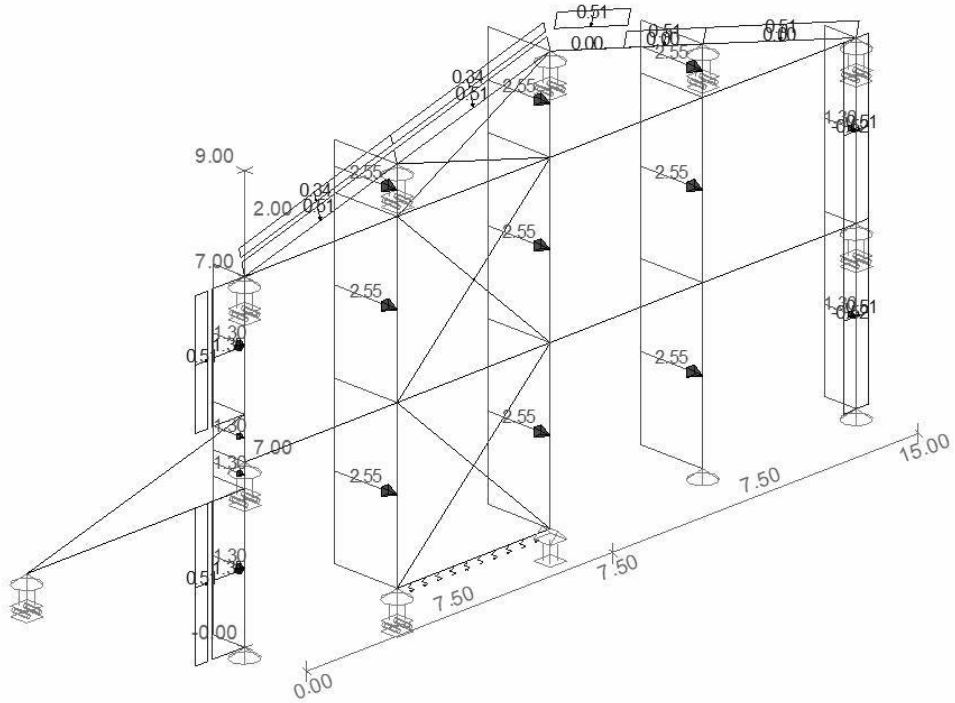
B.G.10: WINDBELASTING VAN LINKS + ONDERDRUK



B.G.10: WINDBELASTING VAN LINKS + ONDERDRUK

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.10: Windbelasting van Links + Onderdruk					
q	1,35 (q18)	1,35 (q18)	0,00	3,00(L)	Z' S7,S9
q	0,51 (-q20)	0,51 (-q20)	0,00	3,00(L)	Z' S7,S9,S14-S15,S17,S19-S20
q	-0,51 (q21)	-0,51 (q21)	0,00	3,88(L)	Z' S14-S15
q	-1,68 (q22)	-1,68 (q22)	0,00	1,86	Z' S16
q	0,51 (-q20)	0,51 (-q20)	0,00	1,86	Z' S16
q	-0,68 (q23)	-0,68 (q23)	1,86	3,88(L)	Z' S16
q	0,51 (-q20)	0,51 (-q20)	1,86	3,88(L)	Z' S16
q	-0,68 (q23)	-0,68 (q23)	0,00	3,88(L)	Z' S17
q	-0,52 (q25)	-0,52 (q25)	0,00	3,50(L)	Z' S19-S20
q	1,30	1,30	0,00	3,00(L)	Y S7,S9,S19-S20,S22-S23
q	2,55	2,55	0,00	3,50(L)	Y S39-S47

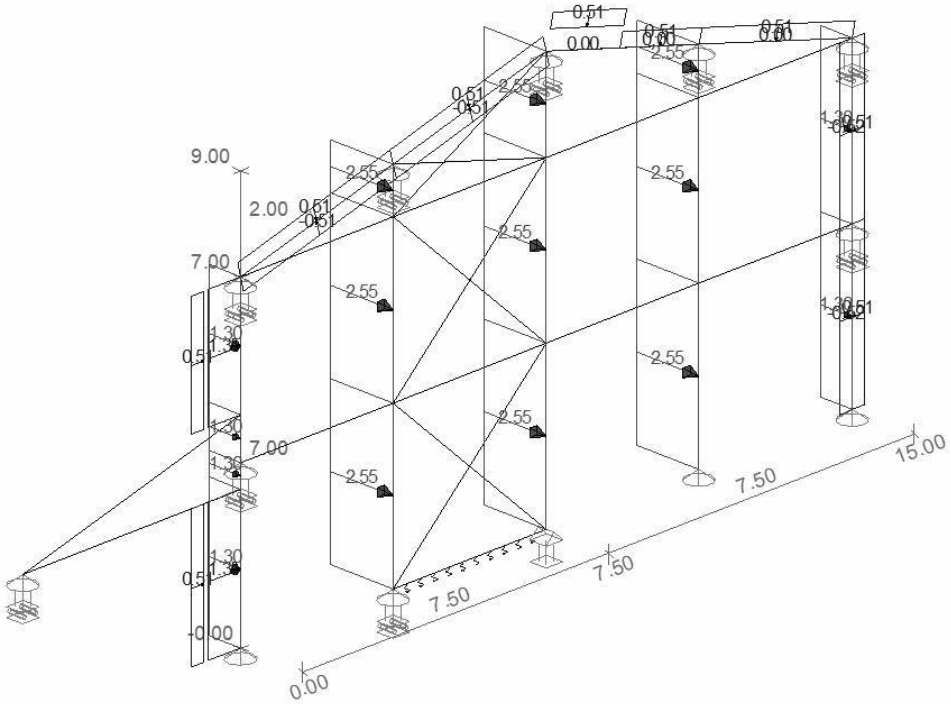
B.G.11: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE)



B.G.11: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.11: Windbelasting van Links + Onderdruk (2e Cpe)						
q	1,35 (q26)	1,35 (q26)	0,00	3,00(L)	Z'	S7,S9
q	0,51 (-q28)	0,51 (-q28)	0,00	3,00(L)	Z'	S7,S9,S14-S15,S17,S19-S20
q	0,34 (q29)	0,34 (q29)	0,00	3,88(L)	Z'	S14-S15
q	0,00 (q30)	0,00 (q30)	0,00	1,86	Z'	S16
q	0,51 (-q28)	0,51 (-q28)	0,00	1,86	Z'	S16
q	0,00 (q31)	0,00 (q31)	1,86	3,88(L)	Z'	S16
q	0,51 (-q28)	0,51 (-q28)	1,86	3,88(L)	Z'	S16
q	0,00 (q31)	0,00 (q31)	0,00	3,88(L)	Z'	S17
q	-0,52 (q33)	-0,52 (q33)	0,00	3,50(L)	Z'	S19-S20
q	1,30	1,30	0,00	3,00(L)	Y	S7,S9,S19-S20,S22-S23
q	2,55	2,55	0,00	3,50(L)	Y	S39-S47

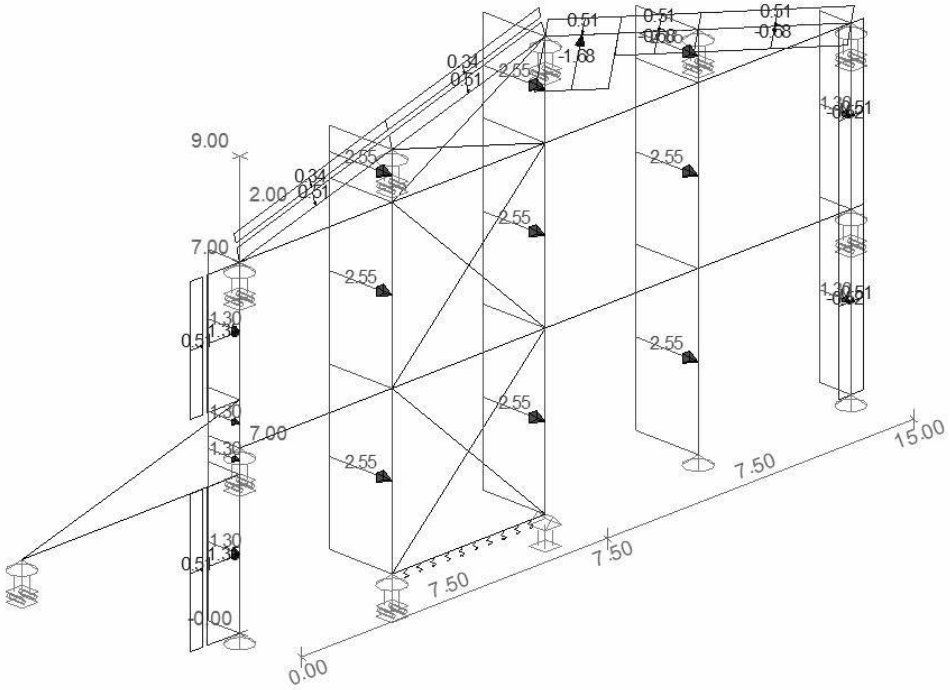
B.G.12: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE)



B.G.12: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.12: Windbelasting van Links + Onderdruk (Zadeldak FGH 1e Cpe + IJ 2e Cpe)						
q	1,35 (q18)	1,35 (q18)	0,00	3,00(L)	Z'	S7,S9
q	0,51 (-q20)	0,51 (-q20)	0,00	3,00(L)	Z'	S7,S9,S14-S15,S17,S19-S20
q	-0,51 (q21)	-0,51 (q21)	0,00	3,88(L)	Z'	S14-S15
q	0,00 (q30)	0,00 (q30)	0,00	1,86	Z'	S16
q	0,51 (-q20)	0,51 (-q20)	0,00	1,86	Z'	S16
q	0,00 (q31)	0,00 (q31)	1,86	3,88(L)	Z'	S16
q	0,51 (-q20)	0,51 (-q20)	1,86	3,88(L)	Z'	S16
q	0,00 (q31)	0,00 (q31)	0,00	3,88(L)	Z'	S17
q	-0,52 (q25)	-0,52 (q25)	0,00	3,50(L)	Z'	S19-S20
q	1,30	1,30	0,00	3,00(L)	Y	S7,S9,S19-S20,S22-S23
q	2,55	2,55	0,00	3,50(L)	Y	S39-S47

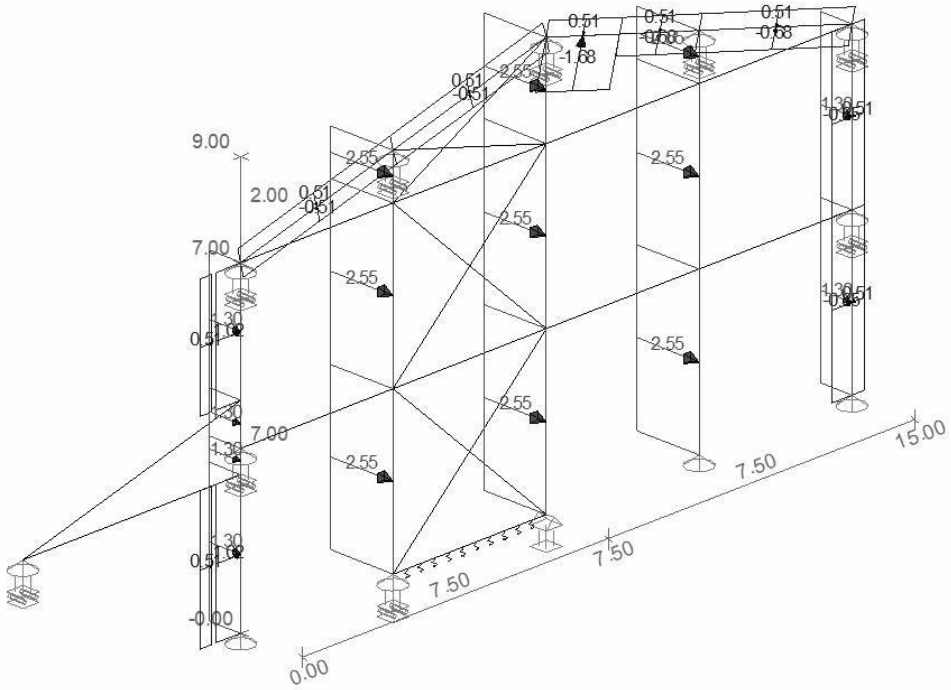
B.G.13: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE)



B.G.13: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.13: Windbelasting van Links + Onderdruk (Zadeldak FGH 2e Cpe + IJ 1e Cpe)						
q	1,35 (q18)	1,35 (q18)	0,00	3,00(L)		Z' S7,S9
q	0,51 (-q20)	0,51 (-q20)	0,00	3,00(L)		Z' S7,S9,S14-S15,S17,S19-S20
q	0,34 (q29)	0,34 (q29)	0,00	3,88(L)		Z' S14-S15
q	-1,68 (q22)	-1,68 (q22)	0,00	1,86		Z' S16
q	0,51 (-q20)	0,51 (-q20)	0,00	1,86		Z' S16
q	-0,68 (q23)	-0,68 (q23)	1,86	3,88(L)		Z' S16
q	0,51 (-q20)	0,51 (-q20)	1,86	3,88(L)		Z' S16
q	-0,68 (q23)	-0,68 (q23)	0,00	3,88(L)		Z' S17
q	-0,52 (q25)	-0,52 (q25)	0,00	3,50(L)		Z' S19-S20
q	1,30	1,30	0,00	3,00(L)		Y S7,S9,S19-S20,S22-S23
q	2,55	2,55	0,00	3,50(L)		Y S39-S47

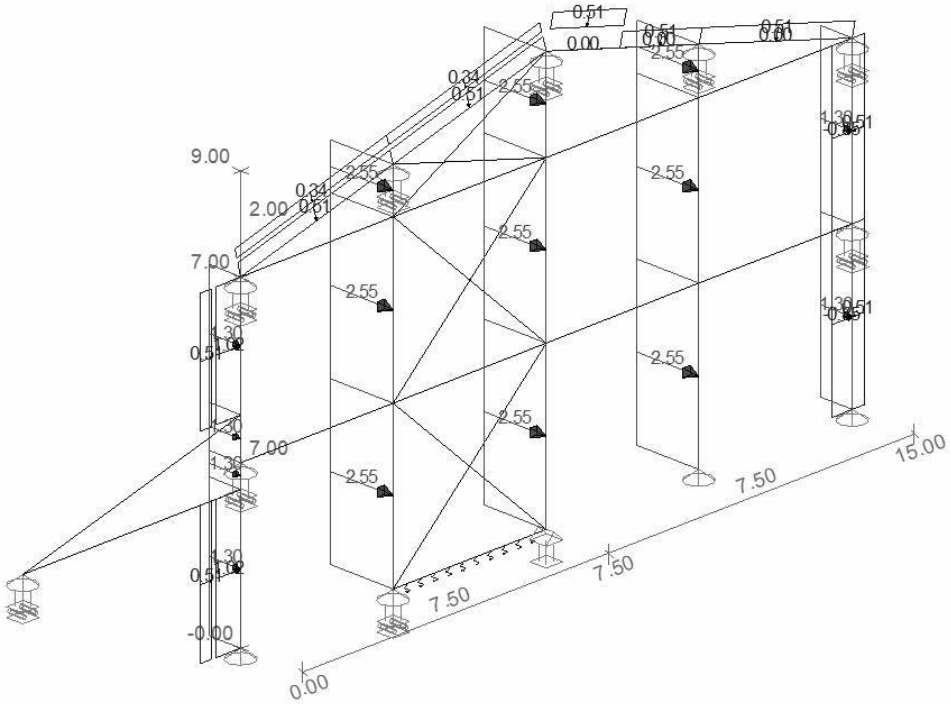
B.G.14: WINDBELASTING VAN LINKS + ONDERDRUK (2E CORR. FACTOR)



B.G.14: WINDBELASTING VAN LINKS + ONDERDRUK (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.14: Windbelasting van Links + Onderdruk (2e corr. factor)					
q	1,02 (q19)	1,02 (q19)	0,00	3,00(L)	Z' S7,S9
q	-0,85 (q24)	-0,85 (q24)	0,00	3,50(L)	Z' S19-S20
q	0,51 (-q20)	0,51 (-q20)	0,00	3,00(L)	Z' S7,S9,S14-S15,S17,S19-S20
q	-0,51 (q21)	-0,51 (q21)	0,00	3,88(L)	Z' S14-S15
q	-1,68 (q22)	-1,68 (q22)	0,00	1,86	Z' S16
q	0,51 (-q20)	0,51 (-q20)	0,00	1,86	Z' S16
q	-0,68 (q23)	-0,68 (q23)	1,86	3,88(L)	Z' S16
q	0,51 (-q20)	0,51 (-q20)	1,86	3,88(L)	Z' S16
q	-0,68 (q23)	-0,68 (q23)	0,00	3,88(L)	Z' S17
q	1,30	1,30	0,00	3,00(L)	Y S7,S9,S19-S20,S22-S23
q	2,55	2,55	0,00	3,50(L)	Y S39-S47

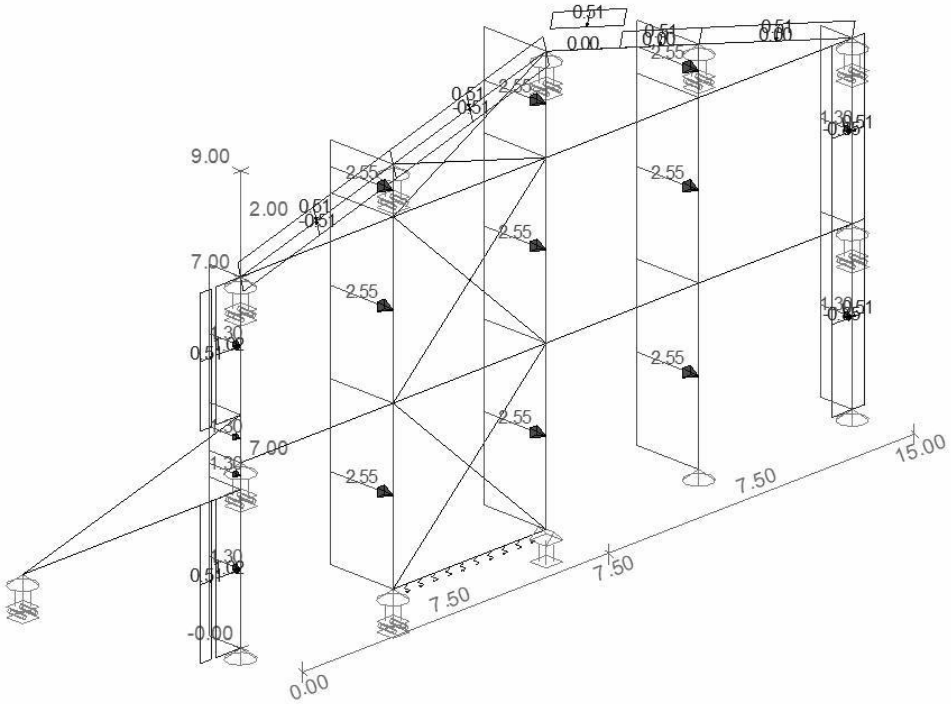
B.G.15: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE) (2E CORR. FACTOR)



B.G.15: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.15: Windbelasting van Links + Onderdruk (2e Cpe) (2e corr. factor)						
q	1,02 (q27)	1,02 (q27)	0,00	3,00(L)		Z' S7,S9
q	-0,85 (q32)	-0,85 (q32)	0,00	3,50(L)		Z' S19-S20
q	0,51 (-q28)	0,51 (-q28)	0,00	3,00(L)		Z' S7,S9,S14-S15,S17,S19-S20
q	0,34 (q29)	0,34 (q29)	0,00	3,88(L)		Z' S14-S15
q	0,00 (q30)	0,00 (q30)	0,00	1,86		Z' S16
q	0,51 (-q28)	0,51 (-q28)	0,00	1,86		Z' S16
q	0,00 (q31)	0,00 (q31)	1,86	3,88(L)		Z' S16
q	0,51 (-q28)	0,51 (-q28)	1,86	3,88(L)		Z' S16
q	0,00 (q31)	0,00 (q31)	0,00	3,88(L)		Z' S17
q	1,30	1,30	0,00	3,00(L)		Y S7,S9,S19-S20,S22-S23
q	2,55	2,55	0,00	3,50(L)		Y S39-S47

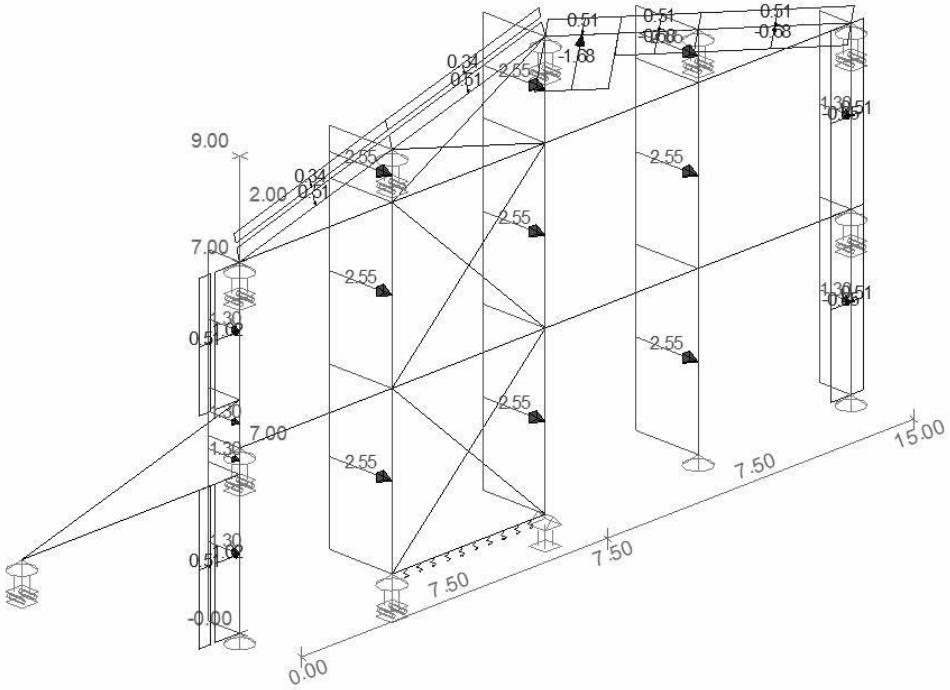
B.G.16: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE) (2E CORR. FACTOR)



B.G.16: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.16: Windbelasting van Links + Onderdruk (Zadeldak FGH 1e Cpe + IJ 2e Cpe) (2e corr. factor)						
q	1,02 (q19)	1,02 (q19)	0,00	3,00(L)		Z' S7,S9
q	-0,85 (q24)	-0,85 (q24)	0,00	3,50(L)		Z' S19-S20
q	0,51 (-q20)	0,51 (-q20)	0,00	3,00(L)		Z' S7,S9,S14-S15,S17,S19-S20
q	-0,51 (q21)	-0,51 (q21)	0,00	3,88(L)		Z' S14-S15
q	0,00 (q30)	0,00 (q30)	0,00	1,86		Z' S16
q	0,51 (-q20)	0,51 (-q20)	0,00	1,86		Z' S16
q	0,00 (q31)	0,00 (q31)	1,86	3,88(L)		Z' S16
q	0,51 (-q20)	0,51 (-q20)	1,86	3,88(L)		Z' S16
q	0,00 (q31)	0,00 (q31)	0,00	3,88(L)		Z' S17
q	1,30	1,30	0,00	3,00(L)		Y S7,S9,S19-S20,S22-S23
q	2,55	2,55	0,00	3,50(L)		Y S39-S47

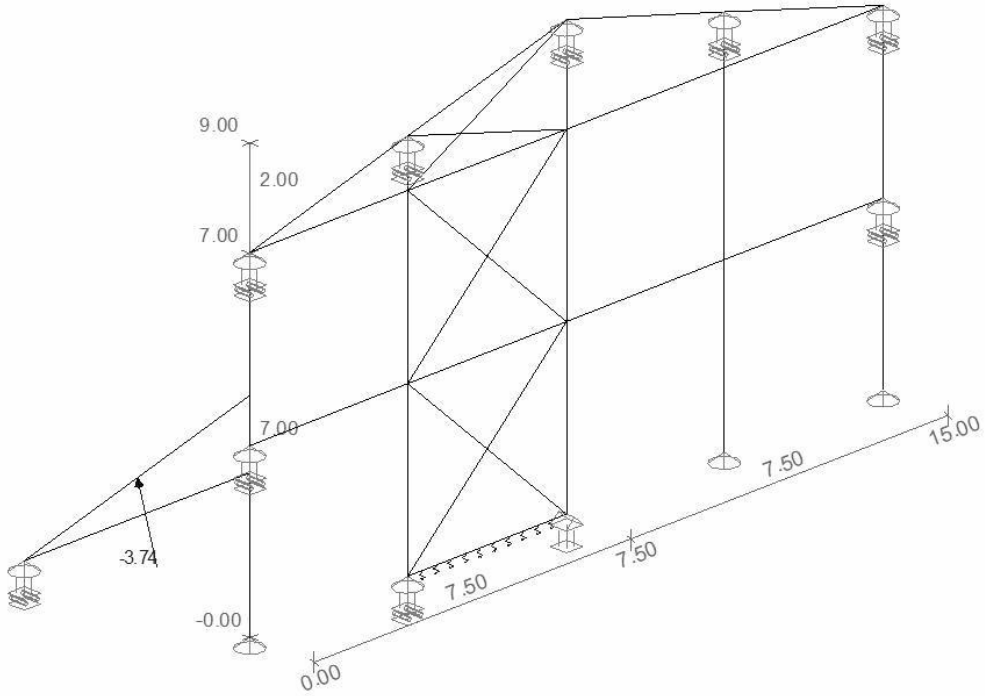
B.G.17: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE) (2E CORR. FACTOR)



B.G.17: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.17: Windbelasting van Links + Onderdruk (Zadeldak FGH 2e Cpe + IJ 1e Cpe) (2e corr. factor)					
q	1,02 (q19)	1,02 (q19)	0,00	3,00(L)	Z' S7,S9
q	-0,85 (q24)	-0,85 (q24)	0,00	3,50(L)	Z' S19-S20
q	0,51 (-q20)	0,51 (-q20)	0,00	3,00(L)	Z' S7,S9,S14-S15,S17,S19-S20
q	0,34 (q29)	0,34 (q29)	0,00	3,88(L)	Z' S14-S15
q	-1,68 (q22)	-1,68 (q22)	0,00	1,86	Z' S16
q	0,51 (-q20)	0,51 (-q20)	0,00	1,86	Z' S16
q	-0,68 (q23)	-0,68 (q23)	1,86	3,88(L)	Z' S16
q	0,51 (-q20)	0,51 (-q20)	1,86	3,88(L)	Z' S16
q	-0,68 (q23)	-0,68 (q23)	0,00	3,88(L)	Z' S17
q	1,30	1,30	0,00	3,00(L)	Y S7,S9,S19-S20,S22-S23
q	2,55	2,55	0,00	3,50(L)	Y S39-S47

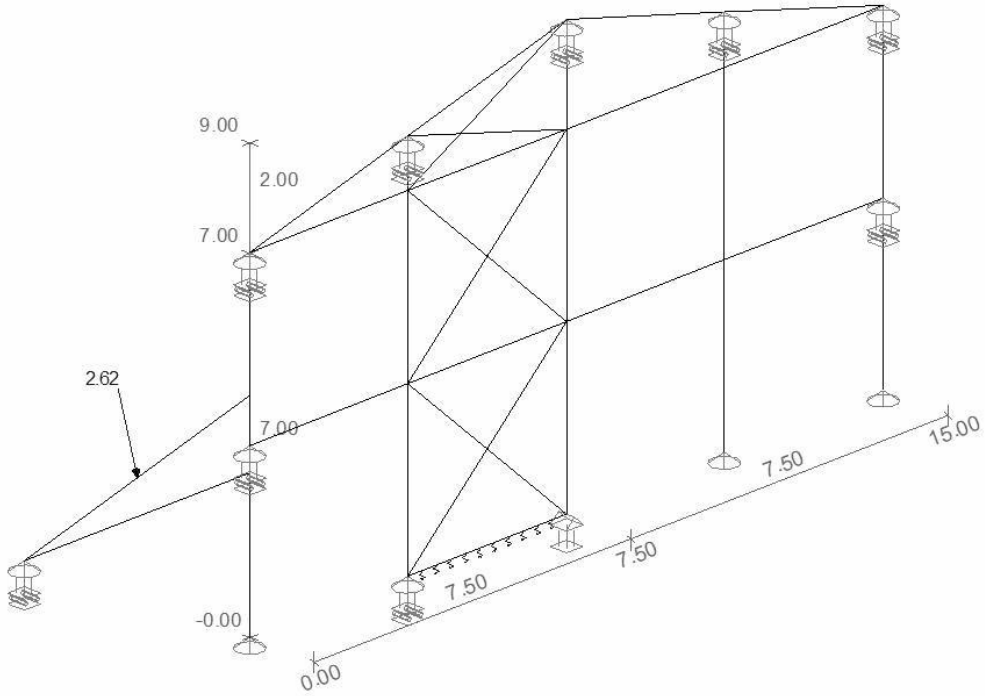
B.G.18: WINDBELASTING (LUIFELS) [1/2]



B.G.18: WINDBELASTING (LUIFELS) [1/2]

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.18: Windbelasting (luifels) [1/2]						
F	-3,74 (F2)		2,77		Z'	S6

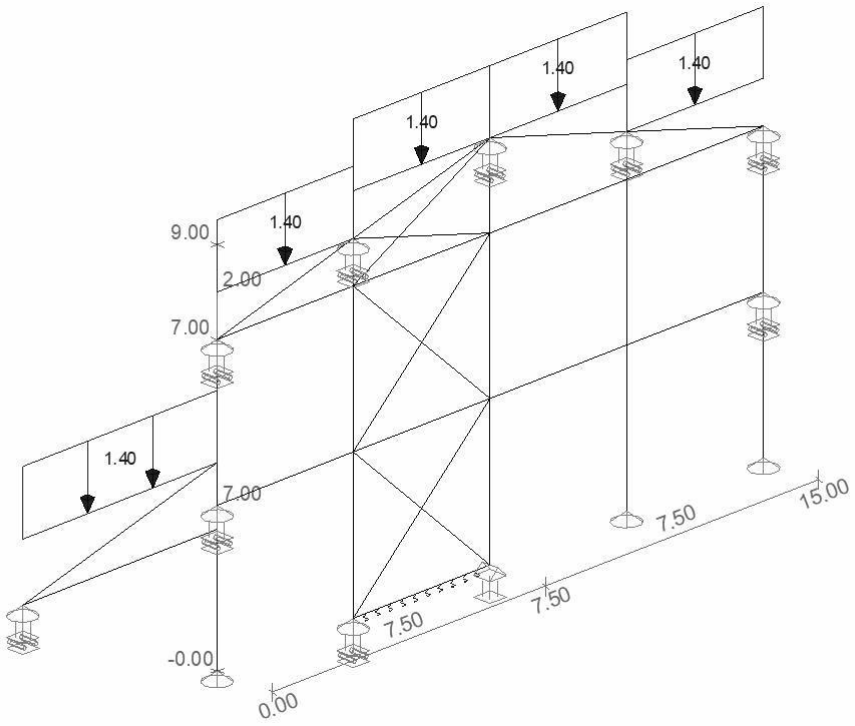
B.G.19: WINDBELASTING (LUIFELS) [2/2]



B.G.19: WINDBELASTING (LUIFELS) [2/2]

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.19: Windbelasting (luifels) [2/2]						
F	2,62 (F1)		2,77		Z'	S6

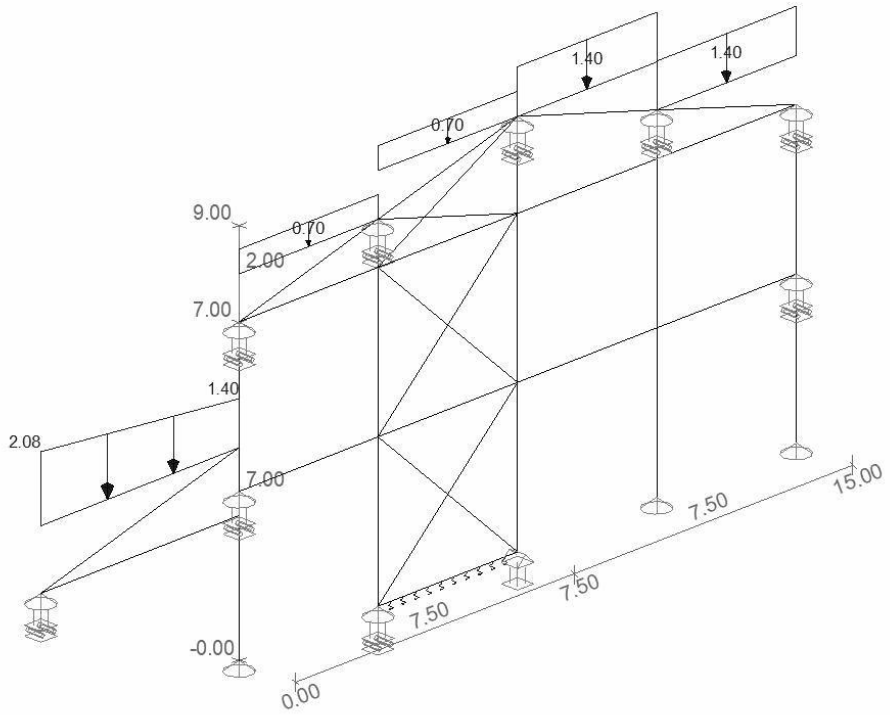
B.G.20: SNEEUWBELASTING 1



B.G.20: SNEEUWBELASTING 1

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.20: Sneeuwbelasting 1					
q	1,40 (q34)	1,40 (q34)	0,00	5,35(L)	Z S6
q	1,40 (q36)	1,40 (q36)	0,00	3,75(L)	Z S14-S17

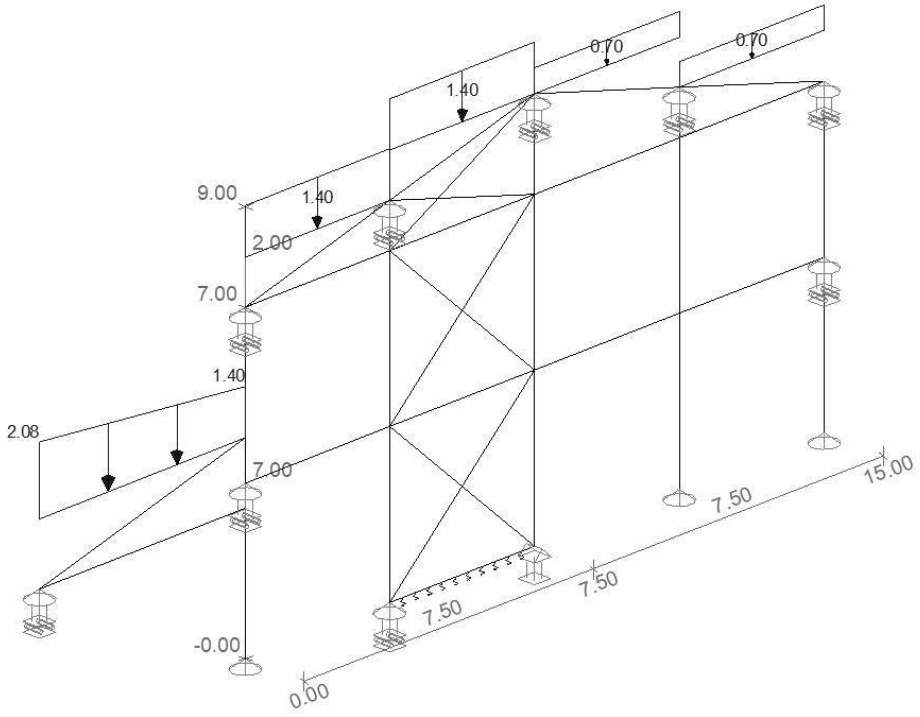
B.G.21: SNEEUWBELASTING 2



B.G.21: SNEEUWBELASTING 2

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.21: Sneeuwbelasting 2					
q	2,08 (q35)	1,40 (q34)	0,00	5,35(L)	Z S6
q	0,70 (q37)	0,70 (q37)	0,00	3,75(L)	Z S14-S15
q	1,40 (q36)	1,40 (q36)	0,00	3,75(L)	Z S16-S17

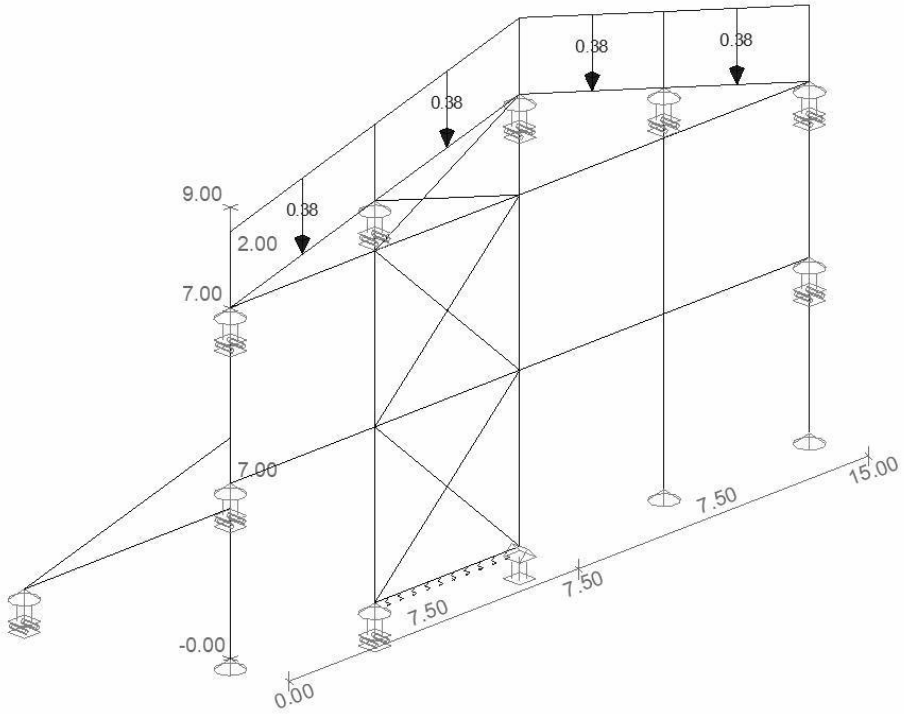
B.G.22: SNEEUWBELASTING 3



B.G.22: SNEEUWBELASTING 3

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.22: Sneeuwbelasting 3					
q	2,08 (q35)	1,40 (q34)	0,00	5,35(L)	Z S6
q	1,40 (q36)	1,40 (q36)	0,00	3,75(L)	Z S14-S15
q	0,70 (q37)	0,70 (q37)	0,00	3,75(L)	Z S16-S17

B.G.23: ZONNEPANELEN



B.G.23: ZONNEPANELEN

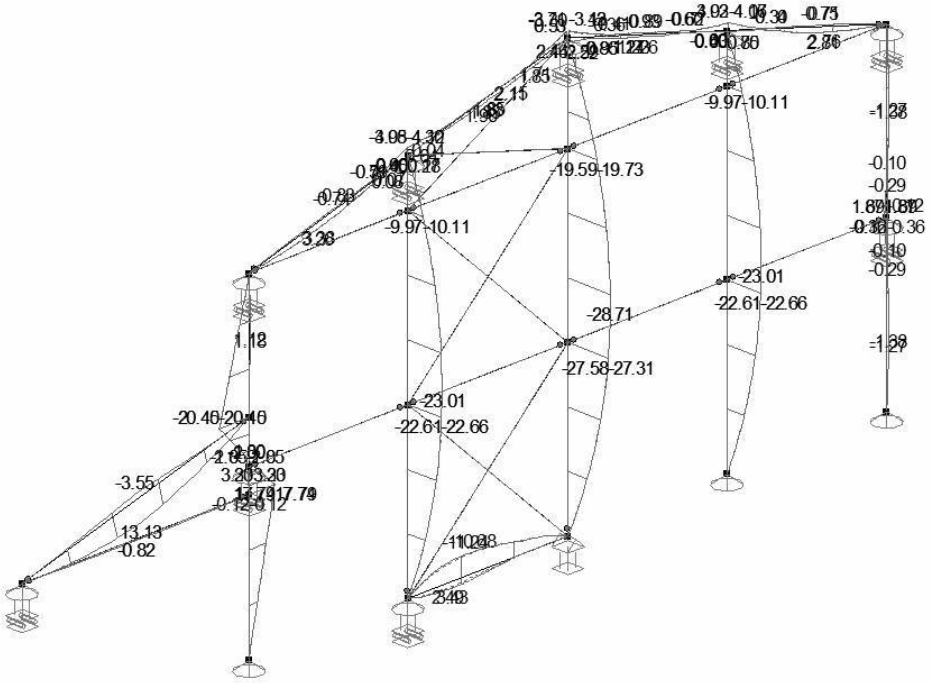
Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.23: Zonnepanelen						
q	0,38	0,38	0,00	3,88(L)	Z"	S14-S17

FUNDAMENTEEL BELASTINGSCOMBINATIES (LIJST)

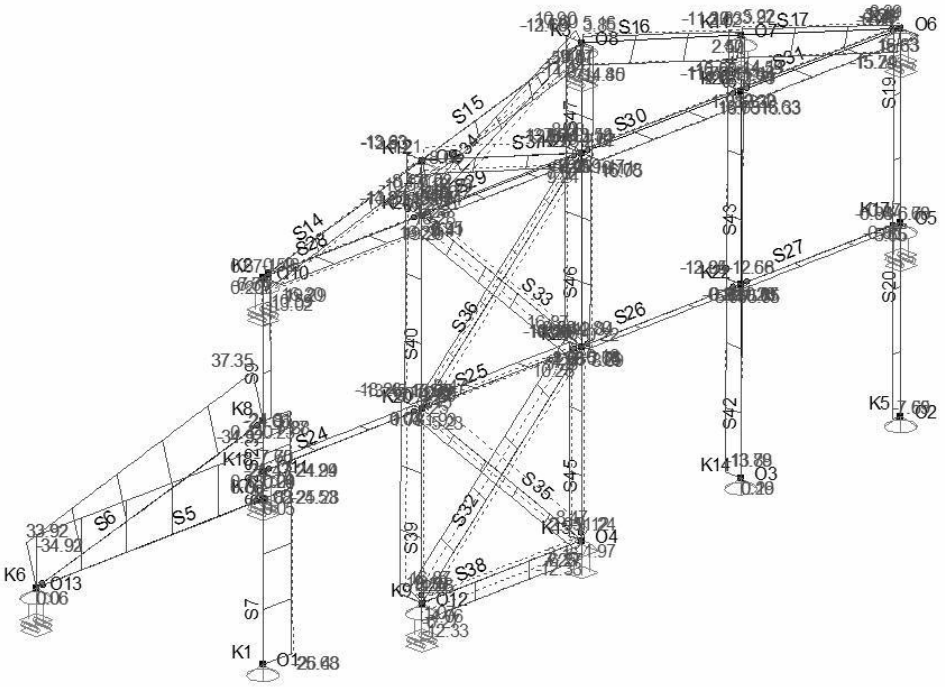
Fu.C.1 = 0.90*B.G.1 + 1.13*B.G.2 + 1.13*B.G.18
Fu.C.2 = 0.90*B.G.1 + 1.13*B.G.2 + 1.13*B.G.19
Fu.C.3 = 0.90*B.G.1 + 1.13*B.G.3 + 1.13*B.G.18
Fu.C.4 = 0.90*B.G.1 + 1.13*B.G.3 + 1.13*B.G.19
Fu.C.5 = 0.90*B.G.1 + 1.13*B.G.4 + 1.13*B.G.18
Fu.C.6 = 0.90*B.G.1 + 1.13*B.G.4 + 1.13*B.G.19
Fu.C.7 = 0.90*B.G.1 + 1.13*B.G.5 + 1.13*B.G.18
Fu.C.8 = 0.90*B.G.1 + 1.13*B.G.5 + 1.13*B.G.19
Fu.C.9 = 0.90*B.G.1 + 1.13*B.G.6 + 1.13*B.G.18
Fu.C.10 = 0.90*B.G.1 + 1.13*B.G.6 + 1.13*B.G.19
Fu.C.11 = 0.90*B.G.1 + 1.13*B.G.7 + 1.13*B.G.18
Fu.C.12 = 0.90*B.G.1 + 1.13*B.G.7 + 1.13*B.G.19
Fu.C.13 = 0.90*B.G.1 + 1.13*B.G.8 + 1.13*B.G.18
Fu.C.14 = 0.90*B.G.1 + 1.13*B.G.8 + 1.13*B.G.19
Fu.C.15 = 0.90*B.G.1 + 1.13*B.G.9 + 1.13*B.G.18
Fu.C.16 = 0.90*B.G.1 + 1.13*B.G.9 + 1.13*B.G.19
Fu.C.17 = 1.08*B.G.1 + 1.13*B.G.10 + 1.13*B.G.18 + 1.08*B.G.23
Fu.C.18 = 1.08*B.G.1 + 1.13*B.G.10 + 1.13*B.G.19 + 1.08*B.G.23
Fu.C.19 = 1.08*B.G.1 + 1.13*B.G.11 + 1.13*B.G.18 + 1.08*B.G.23
Fu.C.20 = 1.08*B.G.1 + 1.13*B.G.11 + 1.13*B.G.19 + 1.08*B.G.23
Fu.C.21 = 1.08*B.G.1 + 1.13*B.G.12 + 1.13*B.G.18 + 1.08*B.G.23
Fu.C.22 = 1.08*B.G.1 + 1.13*B.G.12 + 1.13*B.G.19 + 1.08*B.G.23
Fu.C.23 = 1.08*B.G.1 + 1.13*B.G.13 + 1.13*B.G.18 + 1.08*B.G.23
Fu.C.24 = 1.08*B.G.1 + 1.13*B.G.13 + 1.13*B.G.19 + 1.08*B.G.23
Fu.C.25 = 1.08*B.G.1 + 1.13*B.G.14 + 1.13*B.G.18 + 1.08*B.G.23
Fu.C.26 = 1.08*B.G.1 + 1.13*B.G.14 + 1.13*B.G.19 + 1.08*B.G.23
Fu.C.27 = 1.08*B.G.1 + 1.13*B.G.15 + 1.13*B.G.18 + 1.08*B.G.23
Fu.C.28 = 1.08*B.G.1 + 1.13*B.G.15 + 1.13*B.G.19 + 1.08*B.G.23
Fu.C.29 = 1.08*B.G.1 + 1.13*B.G.16 + 1.13*B.G.18 + 1.08*B.G.23

Fu.C.30 = 1.08*B.G.1 + 1.13*B.G.16 + 1.13*B.G.19 + 1.08*B.G.23
Fu.C.31 = 1.08*B.G.1 + 1.13*B.G.17 + 1.13*B.G.18 + 1.08*B.G.23
Fu.C.32 = 1.08*B.G.1 + 1.13*B.G.17 + 1.13*B.G.19 + 1.08*B.G.23
Fu.C.33 = 1.08*B.G.1 + 1.13*B.G.18 + 1.01*B.G.20 + 1.08*B.G.23
Fu.C.34 = 1.08*B.G.1 + 1.13*B.G.19 + 1.01*B.G.20 + 1.08*B.G.23
Fu.C.35 = 1.08*B.G.1 + 1.13*B.G.18 + 1.01*B.G.21 + 1.08*B.G.23
Fu.C.36 = 1.08*B.G.1 + 1.13*B.G.19 + 1.01*B.G.21 + 1.08*B.G.23
Fu.C.37 = 1.08*B.G.1 + 1.13*B.G.18 + 1.01*B.G.22 + 1.08*B.G.23
Fu.C.38 = 1.08*B.G.1 + 1.13*B.G.19 + 1.01*B.G.22 + 1.08*B.G.23
Fu.C.39 = 1.22*B.G.1 + 1.22*B.G.23
Fu.C.40 = 0.90*B.G.1

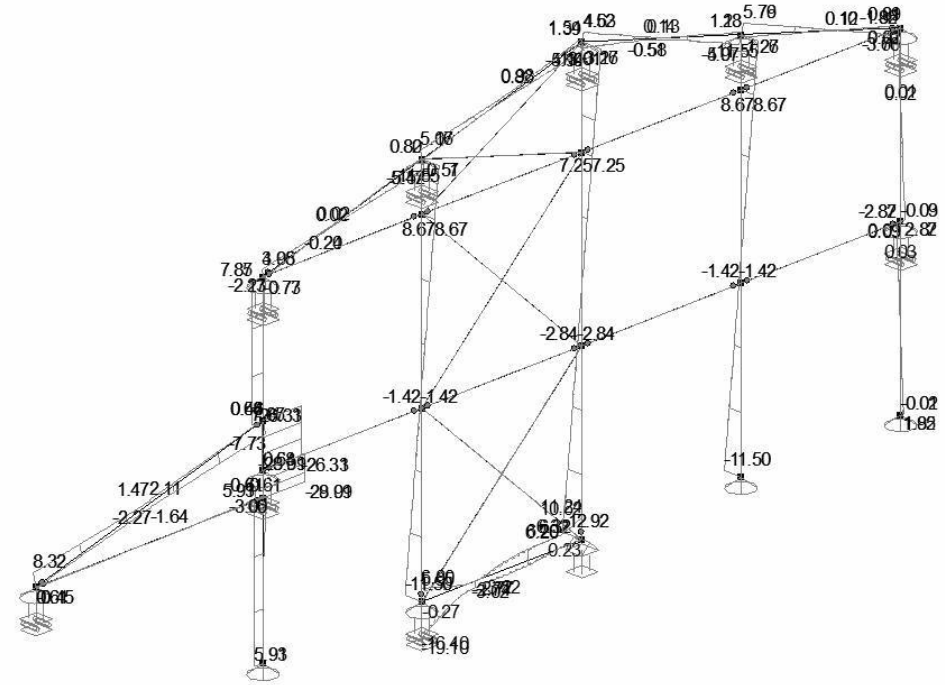
AFB. FU.C. MOMENTEN (MY) OMHULLENDE Fundamenteel Belastingscombinaties



AFB. FU.C. NORMAALKRACHT (NX) OMHULLENDE Fundamenteel Belastingscombinaties



AFB. FU.C. DWARSKRACHT (VZ) OMHULLENDE Fundamenteel Belastingscombinaties



FU.C. EXTREME STAAFKRACHTEN ANALYSE

Staaf	B.C.	Waard	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Waard	Vb	Vmax	Ve	Mxb	Mxe
S5	Fu.C.1	My	0.00	-0.61	2.68	0.00	0.00	0.00 T	**0.06**	Vz	-0.45	-0.45	0.45	**0.00**	**0.00**
		Mz	0.00	0.00	0.00	**0.02**	0.00	0.00		Vy	**0.00**	**0.00**	**0.00**		
	Fu.C.1	My	0.00	-0.73	2.68	0.00	0.00	0.00 D	-1.59	Vz	-0.54	**-0.54**	0.54	0.00	0.00
		Mz	0.00	0.00	0.00	0.02	0.00	0.00		Vy	0.00	0.00	0.00		
	Fu.C.3	My	0.00	-0.73	2.68	0.00	0.00	0.00 D	**-34.92**	Vz	-0.54	-0.54	0.54	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
	Fu.C.3	My	0.00	**-0.82**	2.68	0.00	0.00	0.00 D	-11.21	Vz	**-0.61**	**0.61**	**0.61**	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S6	Fu.C.1	My	0.00	**-3.55**	2.77	0.00	0.00	0.00 T	0.92	Vz	**-0.45**	2.11	**0.46**	**0.00**	**0.00**
		Mz	**-0.02**	0.00	0.00	0.00	0.00	0.00		Vy	**0.00**	**0.00**	**0.00**		
	Fu.C.3	My	0.00	11.90	2.77	0.00	0.00	0.00 T	32.32	Vz	7.12	**-7.13**	-7.13	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
	Fu.C.3	My	0.00	**13.13**	2.77	0.00	0.00	0.00 T	**37.35**	Vz	**8.32**	**8.32**	**-7.73**	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S7	Fu.C.1	My	0.00	1.33	1.52	0.08	0.00	0.00 D	-1.62	Vz	1.75	1.75	-1.69	0.00	0.00
		Mz	0.00	**1.23**	1.29	**-0.90**	2.59	0.00		Vy	**1.90**	**-2.50**	**-2.50**		
	Fu.C.2	My	0.00	2.60	1.57	0.45	0.00	0.00 D	-6.76	Vz	3.30	3.30	**-3.00**	0.00	0.00
		Mz	0.00	1.23	1.29	-0.90	2.59	0.00		Vy	1.90	-2.50	-2.50		
	Fu.C.3	My	0.00	**7.56**	2.96	7.56	0.00	0.00 D	-14.42	Vz	5.11	5.11	-0.07	0.00	0.00
		Mz	0.00	1.23	1.29	-0.90	2.59	0.00		Vy	1.90	-2.50	-2.50		

Staaf	B.C.	Waard	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Waard	Vb	Vmax	Ve	Mxb	Mxe
S7	Fu.C.3	My	0.00	0.00	0.00	**17.79**	0.00	0.00 D	**-25.68**	Vz	**5.93**	**5.93**	**5.93**	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S9	Fu.C.1	My	-0.22	0.86	1.37	0.00	0.15	0.00 D	-0.48	Vz	1.58	1.58	-1.40	**0.00**	**0.00**
		Mz	**0.09**	**1.39**	1.33	**0.21**	0.00	0.00		Vy	**1.96**	**1.96**	**-1.86**		
	Fu.C.2	My	-1.31	**1.18**	1.54	0.00	0.48	0.00 D	-5.60	Vz	3.24	3.24	**-2.23**	0.00	0.00
		Mz	0.09	1.39	1.33	0.21	0.00	0.00		Vy	1.96	1.96	-1.86		
	Fu.C.3	My	-10.06	0.00	0.00	0.00	0.00	0.00 D	**-7.27**	Vz	3.87	3.87	3.87	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
	Fu.C.3	My	**-20.40**	0.00	0.00	0.00	0.00	0.00 D	-5.88	Vz	**7.85**	**7.85**	**7.85**	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S14	Fu.C.1	My	0.00	-0.80	2.10	-0.23	0.00	0.00 D	-2.39	Vz	-0.76	-0.76	0.64	**0.00**	**0.00**
		Mz	0.00	0.00	0.00	**-0.25**	0.00	0.00		Vy	**-0.06**	**-0.06**	**-0.06**		
	Fu.C.6	My	0.00	-0.50	1.66	**0.40**	3.31	0.00 D	-3.40	Vz	-0.60	**0.80**	**0.80**	0.00	0.00
		Mz	0.00	0.00	0.00	-0.25	0.00	0.00		Vy	-0.06	-0.06	-0.06		
	Fu.C.9	My	0.00	**-0.83**	2.14	-0.28	0.00	0.00 D	-1.97	Vz	**-0.77**	-0.77	0.63	0.00	0.00
		Mz	0.00	0.00	0.00	-0.25	0.00	0.00		Vy	-0.06	-0.06	-0.06		
	Fu.C.3	My	0.00	2.12	1.44	**-4.05**	2.87	0.00 D	-7.46	Vz	2.96	-5.04	-5.04	0.00	0.00
		Mz	0.00	0.00	0.00	-0.25	0.00	0.00		Vy	-0.06	-0.06	-0.06		
	Fu.C.3	My	0.00	3.23	1.63	-2.92	3.26	0.00 D	**-10.59**	Vz	3.96	**-5.47**	**-5.47**	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
	Fu.C.3	My	0.00	**3.38**	1.67	-2.58	3.33	0.00 D	-9.73	Vz	**4.05**	-5.38	-5.38	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S15	Fu.C.1	My	-0.74	0.00	0.00	2.36	1.77	0.00 D	-10.36	Vz	0.10	1.50	1.50	**0.00**	**0.00**
		Mz	**-0.25**	0.00	0.00	**1.01**	0.78	0.00		Vy	**0.33**	**0.33**	**0.33**		
	Fu.C.6	My	**0.17**	-0.19	1.42	0.90	0.39	2.45 D	-6.95	Vz	**-0.51**	0.89	0.89	0.00	0.00

		Mz	-0.25	0.00	0.00	1.01	0.78	0.00		Vy	0.33	0.33	0.33		
	Fu.C.9	My	-0.82	0.00	0.00	**2.44**	1.78	0.00	D	-10.55 Vz	0.14	1.54	**1.54**	0.00	0.00
		Mz	-0.25	0.00	0.00	1.01	0.78	0.00		Vy	0.33	0.33	0.33		
	Fu.C.1	My	-0.41	**-0.42**	0.17	2.06	1.70	0.00	D	-7.27 Vz	-0.06	1.34	1.34	0.00	0.00
		Mz	-0.25	0.00	0.00	1.01	0.78	0.00		Vy	0.33	0.33	0.33		
	Fu.C.3	My	**-4.30**	**2.15**	2.50	0.18	1.06	0.00	D	**-15.22** Vz	**5.16**	**5.16**	-2.85	0.00	0.00
		Mz	-0.25	0.00	0.00	1.01	0.78	0.00		Vy	0.33	0.33	0.33		
	Fu.C.3	My	-1.97	1.78	1.76	**-3.71**	0.55	2.97	D	-8.97 Vz	4.27	-5.16	-5.16	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
	Fu.C.3	My	-1.80	1.90	1.75	-3.64	0.49	3.00	D	-8.51 Vz	4.24	**-5.19**	**-5.19**	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S16	Fu.C.1	My	2.45	-0.67	2.06	0.25	1.04	3.61	D	-10.81 Vz	-3.23	-3.23	1.01	**0.00**	**0.00**
		Mz	**1.01**	0.00	0.00	**-0.25**	3.11	0.00		Vy	**-0.33**	**-0.33**	**-0.33**		
	Fu.C.2	My	2.13	-0.74	1.85	**0.43**	0.91	3.46	D	-7.55 Vz	-3.10	-3.10	1.14	0.00	0.00
		Mz	1.01	0.00	0.00	-0.25	3.11	0.00		Vy	-0.33	-0.33	-0.33		
	Fu.C.8	My	1.90	**-0.89**	1.83	0.36	0.79	3.55	D	-10.56 Vz	-3.06	-3.06	**1.18**	0.00	0.00
		Mz	1.01	0.00	0.00	-0.25	3.11	0.00		Vy	-0.33	-0.33	-0.33		
	Fu.C.9	My	**2.52**	-0.66	2.11	0.21	1.07	3.65	D	-11.00 Vz	**-3.26**	-3.26	0.98	0.00	0.00
		Mz	1.01	0.00	0.00	-0.25	3.11	0.00		Vy	-0.33	-0.33	-0.33		
	Fu.C.2	My	-0.59	**1.27**	1.48	-3.57	0.26	2.71	D	-12.03 Vz	2.50	-4.04	-4.04	0.00	0.00
		Mz	1.01	0.00	0.00	-0.25	3.11	0.00		Vy	-0.33	-0.33	-0.33		
	Fu.C.3	My	0.44	0.00	0.00	-2.12	1.27	0.00	D	**-16.00** Vz	-0.48	-1.93	-1.93	0.00	0.00
		Mz	1.01	0.00	0.00	-0.25	3.11	0.00		Vy	-0.33	-0.33	-0.33		
	Fu.C.3	My	-3.13	1.06	1.86	**-3.92**	0.92	2.79	D	-2.84 Vz	4.51	-4.92	-4.92	0.00	0.00

Staaf	B.C.	Waard	Mb	Mmax	xMmax	Me	x-M0	x-M0	T/D	Nmax	Waard	Vb	Vmax	Ve	Mxb	Mxe
		Mz	0.00	0.00	0.00	0.00	0.00	0.00			Vy	0.00	0.00	0.00		
	Fu.C.3	My	**-3.43**	0.98	1.91	-3.75	1.01	2.81	T	2.21	Vz	**4.63**	-4.80	-4.80	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00			Vy	0.00	0.00	0.00		
	Fu.C.3	My	-2.91	1.18	1.83	-3.91	0.85	2.82	D	-1.55	Vz	4.46	**-4.97**	**-4.97**	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00			Vy	0.00	0.00	0.00		
	Fu.C.3	My	-3.28	0.45	2.05	-2.50	1.34	2.77	T	**3.85**	Vz	3.63	**3.63**	-3.23	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00			Vy	0.00	0.00	0.00		
S17	Fu.C.1	My	0.65	-0.74	2.24	0.00	0.61	0.00	D	-11.64	Vz	-1.24	-1.24	0.90	0.00	0.00
		Mz	**-0.25**	0.00	0.00	0.00	0.00	0.00			Vy	**0.07**	**0.07**	**0.07**		
	Fu.C.2	My	**0.75**	-0.70	2.29	0.00	0.70	0.00	D	-8.45	Vz	**-1.26**	**-1.26**	0.88	0.00	0.00
		Mz	-0.25	0.00	0.00	0.00	0.00	0.00			Vy	0.07	0.07	0.07		
	Fu.C.1	My	0.62	**-0.75**	2.23	0.00	0.58	0.00	D	-14.73	Vz	-1.23	-1.23	**0.91**	0.00	0.00
		Mz	-0.25	0.00	0.00	0.00	0.00	0.00			Vy	0.07	0.07	0.07		
	Fu.C.3	My	-1.80	0.94	2.45	0.00	1.01	0.00	D	**-15.74**	Vz	2.24	2.24	-1.31	0.00	0.00
		Mz	-0.25	0.00	0.00	0.00	0.00	0.00			Vy	0.07	0.07	0.07		
	Fu.C.3	My	-3.95	**2.81**	2.36	0.00	0.84	0.00	T	2.48	Vz	5.73	5.73	**-3.70**	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00			Vy	0.00	0.00	0.00		
	Fu.C.3	My	**-4.06**	2.77	2.37	0.00	0.86	0.00	T	1.30	Vz	**5.76**	**5.76**	-3.67	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00			Vy	0.00	0.00	0.00		
	Fu.C.3	My	-2.72	2.11	2.34	0.00	0.79	0.00	T	**3.97**	Vz	4.13	4.13	-2.73	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00			Vy	0.00	0.00	0.00		
S19	Fu.C.1	My	0.00	-0.96	1.41	1.15	2.82	0.00	D	-2.88	Vz	-1.36	2.02	2.02	0.00	0.00
		Mz	**0.21**	**1.39**	1.27	**-2.26**	2.65	0.00			Vy	**1.86**	**-3.28**	**-3.28**		
	Fu.C.1	My	0.00	**-1.38**	1.43	1.48	2.87	0.00	D	-2.67	Vz	**-1.92**	2.76	2.76	0.00	0.00

		Mz	0.21	1.39	1.27	-2.26	2.65	0.00		Vy	1.86	-3.28	-3.28		
	Fu.C.1	My	0.00	-1.29	1.39	**1.69**	2.78	0.00	D	-3.66 Vz	-1.86	**2.82**	**2.82**	0.00	0.00
		Mz	0.21	1.39	1.27	-2.26	2.65	0.00		Vy	1.86	-3.28	-3.28		
	Fu.C.2	My	0.00	0.00	0.00	**-0.36**	0.00	0.00	D	-5.28 Vz	-0.12	**-0.12**	**-0.09**	0.00	0.00
		Mz	0.21	1.39	1.27	-2.26	2.65	0.00		Vy	1.86	-3.28	-3.28		
	Fu.C.2	My	0.00	-0.42	1.48	0.36	2.96	0.00	D	**-6.76** Vz	-0.57	0.77	0.77	0.00	0.00
		Mz	0.21	1.39	1.27	-2.26	2.65	0.00		Vy	1.86	-3.28	-3.28		
	Fu.C.3	My	0.00	0.00	0.00	0.06	0.00	0.00	D	-5.09 Vz	**0.02**	0.02	0.02	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S20	Fu.C.1	My	1.15	-0.96	2.09	0.00	0.68	0.00	D	-3.62 Vz	-2.02	-2.02	1.36	0.00	0.00
		Mz	**-2.34**	**1.23**	2.21	0.00	0.91	0.00		Vy	**3.24**	**3.24**	**-1.90**		
	Fu.C.1	My	1.48	**-1.38**	2.07	0.00	0.63	0.00	D	-3.42 Vz	-2.76	-2.76	**1.92**	0.00	0.00
		Mz	-2.34	1.23	2.21	0.00	0.91	0.00		Vy	3.24	3.24	-1.90		
	Fu.C.1	My	**1.69**	-1.29	2.11	0.00	0.72	0.00	D	-4.41 Vz	**-2.82**	**-2.82**	1.86	0.00	0.00
		Mz	-2.34	1.23	2.21	0.00	0.91	0.00		Vy	3.24	3.24	-1.90		
	Fu.C.2	My	**-0.36**	0.00	0.00	0.00	0.00	0.00	D	-6.17 Vz	**0.09**	**0.12**	0.12	0.00	0.00
		Mz	-2.34	1.23	2.21	0.00	0.91	0.00		Vy	3.24	3.24	-1.90		
	Fu.C.2	My	0.36	-0.42	2.02	0.00	0.54	0.00	D	**-7.65** Vz	-0.77	-0.77	0.57	0.00	0.00
		Mz	-2.34	1.23	2.21	0.00	0.91	0.00		Vy	3.24	3.24	-1.90		
	Fu.C.3	My	0.06	0.00	0.00	0.00	0.00	0.00	D	-5.99 Vz	-0.02	-0.02	**-0.02**	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S22	Fu.C.1	My	0.08	0.00	0.00	-0.73	0.05	0.00	D	-0.66 Vz	-1.63	-1.63	-1.63	0.00	0.00

Staaf	B.C.	Waard	Mb	Mmax	xMmax	Me	x-M0	x-M0	T/D	Nmax	Waard	Vb	Vmax	Ve	Mxb	Mxe
		Mz	**-0.90**	0.00	0.00	**-2.34**	0.00	0.00			Vy	**-2.51**	**-3.24**	**-3.24**		
	Fu.C.2	My	0.45	0.00	0.00	**-1.85**	0.10	0.00	D	-5.60	Vz	-4.60	-4.60	-4.60	0.00	0.00
		Mz	-0.90	0.00	0.00	-2.34	0.00	0.00			Vy	-2.51	-3.24	-3.24		
	Fu.C.3	My	17.79	0.00	0.00	3.29	0.00	0.00	D	-23.28	Vz	**-28.99**	**-28.99**	**-28.99**	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00			Vy	0.00	0.00	0.00		
	Fu.C.3	My	**17.79**	0.00	0.00	**3.30**	0.00	0.00	D	**-24.53**	Vz	-28.99	-28.99	-28.99	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00			Vy	0.00	0.00	0.00		
S23	Fu.C.1	My	-0.73	0.00	0.00	-0.22	0.00	0.00	D	-0.42	Vz	0.57	0.57	0.57	0.00	0.00
		Mz	**-2.26**	0.00	0.00	**0.09**	0.86	0.00			Vy	**3.28**	**3.28**	**1.95**		
	Fu.C.2	My	**-1.85**	0.00	0.00	-1.33	0.00	0.00	D	-5.32	Vz	**0.58**	**0.58**	**0.58**	0.00	0.00
		Mz	-2.26	0.00	0.00	0.09	0.86	0.00			Vy	3.28	3.28	1.95		
	Fu.C.3	My	3.29	0.00	0.00	**-20.40**	0.13	0.00	D	-22.99	Vz	-26.33	-26.33	-26.33	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00			Vy	0.00	0.00	0.00		
	Fu.C.3	My	**3.30**	0.00	0.00	-20.40	0.13	0.00	D	**-24.24**	Vz	**-26.33**	**-26.33**	**-26.33**	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00			Vy	0.00	0.00	0.00		
S24	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00	D	-2.20	Vz	0.00	0.00	0.00	**0.08**	**0.08**
		Mz	0.00	0.15	1.87	0.00	0.00	0.00			Vy	0.16	-0.16	-0.16		
	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00	D	-5.17	Vz	0.00	0.00	0.00	0.08	0.08
		Mz	0.00	0.18	1.88	0.00	0.00	0.00			Vy	0.19	**0.19**	-0.19		
	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00	D	**-7.60**	Vz	0.00	0.00	0.00	0.08	0.08
		Mz	0.00	0.18	1.88	0.00	0.00	0.00			Vy	0.19	0.19	-0.19		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00	T	**0.03**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.18	1.88	0.00	0.00	0.00			Vy	0.19	0.19	-0.19		

	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00	D	-0.63	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	**0.20**	1.88	0.00	0.00	0.00			Vy	**0.21**	**-0.21**	**-0.21**		
S25	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00	D	-5.87	Vz	0.00	0.00	0.00	**0.13**	**0.13**
		Mz	0.00	0.15	1.87	0.00	0.00	0.00			Vy	0.16	-0.16	-0.16		
	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00	D	-8.37	Vz	0.00	0.00	0.00	0.13	0.13
		Mz	0.00	0.18	1.88	0.00	0.00	0.00			Vy	0.19	**0.19**	-0.19		
	Fu.C.2	My	0.00	0.00	0.00	0.00	0.00	0.00	D	**-10.26**	Vz	0.00	0.00	0.00	0.13	0.13
		Mz	0.00	0.18	1.88	0.00	0.00	0.00			Vy	0.19	0.19	-0.19		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00	D	-2.49	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	**0.20**	1.88	0.00	0.00	0.00			Vy	**0.21**	**-0.21**	**-0.21**		
S26	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00	T	4.03	Vz	0.00	0.00	0.00	**-0.13**	**-0.13**
		Mz	0.00	0.15	1.88	0.00	0.00	0.00			Vy	0.16	0.16	-0.16		
	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00	T	**5.65**	Vz	0.00	0.00	0.00	-0.13	-0.13
		Mz	0.00	0.15	1.88	0.00	0.00	0.00			Vy	0.16	0.16	-0.16		
	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00	D	-0.06	Vz	0.00	0.00	0.00	-0.13	-0.13
		Mz	0.00	0.18	1.88	0.00	0.00	0.00			Vy	0.19	**0.19**	-0.19		
	Fu.C.2	My	0.00	0.00	0.00	0.00	0.00	0.00	D	**-0.22**	Vz	0.00	0.00	0.00	-0.13	-0.13
		Mz	0.00	0.18	1.88	0.00	0.00	0.00			Vy	0.19	0.19	-0.19		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00	D	-0.03	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	**0.20**	1.88	0.00	0.00	0.00			Vy	**0.21**	**-0.21**	**-0.21**		
S27	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00	T	4.04	Vz	0.00	0.00	0.00	**-0.08**	**-0.08**
		Mz	0.00	0.15	1.88	0.00	0.00	0.00			Vy	0.16	0.16	-0.16		
	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00	T	**5.65**	Vz	0.00	0.00	0.00	-0.08	-0.08

Staaf	**B.C.**	**Waard**	**Mb**	**Mmax**	**xMmax**	**Me**	**x-M0**	**x-M0**	**T/D**	**Nmax**	**Waard**	**Vb**	**Vmax**	**Ve**	**Mxb**	**Mxe**
		Mz	0.00	0.15	1.88	0.00	0.00	0.00			Vy	0.16	0.16	-0.16		
	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00	D	-0.05	Vz	0.00	0.00	0.00	-0.08	-0.08
		Mz	0.00	0.18	1.88	0.00	0.00	0.00			Vy	0.19	**0.19**	-0.19		
	Fu.C.2	My	0.00	0.00	0.00	0.00	0.00	0.00	D	**-0.17**	Vz	0.00	0.00	0.00	-0.08	-0.08
		Mz	0.00	0.18	1.88	0.00	0.00	0.00			Vy	0.19	0.19	-0.19		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00	T	0.02	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	**0.20**	1.88	0.00	0.00	0.00			Vy	**0.21**	**-0.21**	**-0.21**		
S28	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00	T	1.10	Vz	0.00	0.00	0.00	**-0.21**	**-0.21**
		Mz	0.00	0.15	1.87	0.00	0.00	0.00			Vy	0.16	-0.16	-0.16		
	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00	T	4.35	Vz	0.00	0.00	0.00	-0.21	-0.21
		Mz	0.00	0.18	1.88	0.00	0.00	0.00			Vy	0.19	**0.19**	-0.19		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00	T	**16.20**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.18	1.88	0.00	0.00	0.00			Vy	0.19	0.19	-0.19		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00	T	10.52	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	**0.20**	1.88	0.00	0.00	0.00			Vy	**0.21**	**-0.21**	**-0.21**		
S29	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00	T	1.89	Vz	0.00	0.00	0.00	**-0.07**	**-0.07**
		Mz	0.00	0.15	1.87	0.00	0.00	0.00			Vy	0.16	-0.16	-0.16		
	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00	T	4.71	Vz	0.00	0.00	0.00	-0.07	-0.07
		Mz	0.00	0.18	1.88	0.00	0.00	0.00			Vy	0.19	**0.19**	-0.19		
	Fu.C.2	My	0.00	0.00	0.00	0.00	0.00	0.00	T	**7.95**	Vz	0.00	0.00	0.00	-0.07	-0.07
		Mz	0.00	0.18	1.88	0.00	0.00	0.00			Vy	0.19	0.19	-0.19		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00	D	**-2.28**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.18	1.88	0.00	0.00	0.00			Vy	0.19	0.19	-0.19		

	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00 T	3.10	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	**0.20**	1.88	0.00	0.00	0.00		Vy	**0.21**	**-0.21**	**-0.21**		
S30	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00 T	13.21	Vz	0.00	0.00	0.00	**0.07**	**0.07**
		Mz	0.00	0.15	1.88	0.00	0.00	0.00		Vy	0.16	0.16	-0.16		
	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00 T	**16.75**	Vz	0.00	0.00	0.00	0.07	0.07
		Mz	0.00	0.15	1.88	0.00	0.00	0.00		Vy	0.16	0.16	-0.16		
	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00 T	12.17	Vz	0.00	0.00	0.00	0.07	0.07
		Mz	0.00	0.18	1.88	0.00	0.00	0.00		Vy	0.19	**0.19**	-0.19		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00 D	**-2.67**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.18	1.88	0.00	0.00	0.00		Vy	0.19	0.19	-0.19		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00 T	2.93	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	**0.20**	1.88	0.00	0.00	0.00		Vy	**0.21**	**-0.21**	**-0.21**		
S31	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00 T	12.84	Vz	0.00	0.00	0.00	**0.21**	**0.21**
		Mz	0.00	0.15	1.87	0.00	0.00	0.00		Vy	0.16	-0.16	-0.16		
	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00 T	**16.33**	Vz	0.00	0.00	0.00	0.21	0.21
		Mz	0.00	0.15	1.87	0.00	0.00	0.00		Vy	0.16	-0.16	-0.16		
	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00 T	11.94	Vz	0.00	0.00	0.00	0.21	0.21
		Mz	0.00	0.18	1.88	0.00	0.00	0.00		Vy	0.19	**0.19**	-0.19		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00 D	**-2.73**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.18	1.88	0.00	0.00	0.00		Vy	0.19	0.19	-0.19		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00 T	2.76	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	**0.20**	1.88	0.00	0.00	0.00		Vy	**0.21**	**-0.21**	**-0.21**		
S32	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00 T	**16.87**	Vz	0.00	0.00	0.00	0.00	0.00

Staaf	**B.C.**	**Waard**	**Mb**	**Mmax**	**xMmax**	**Me**	**x-M0**	**x-M0 T/D**	**Nmax**	**Waard**	**Vb**	**Vmax**	**Ve**	**Mxb**	**Mxe**
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
	Fu.C.2	My	0.00	0.00	0.00	0.00	0.00	0.00 T	10.38	Vz	0.00	**-0.27**	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S33	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00 T	**10.28**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S34	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00 T	**10.90**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S35	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00 T	**7.25**	Vz	0.00	0.09	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00 T	2.67	Vz	0.00	**0.23**	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S36	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00 T	**7.58**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S37	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00 T	**9.24**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S38	Fu.C.1	My	0.00	3.29	1.04	0.00	2.59	0.00 D	-9.90	Vz	6.64	6.64	3.29	0.00	0.00
		Mz	**0.00**	0.00	0.00	**0.00**	2.50	2.50		Vy	**0.00**	**0.00**	**0.00**		
	Fu.C.9	My	0.00	**3.43**	1.04	0.00	2.59	0.00 D	-10.41	Vz	**6.80**	6.80	3.49	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	2.50	2.50		Vy	0.00	0.00	0.00		
	Fu.C.1	My	0.00	-2.54	2.92	0.00	1.79	0.00 D	**-12.33**	Vz	5.29	6.91	6.91	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	2.50	2.50		Vy	0.00	0.00	0.00		
	Fu.C.2	My	0.00	-7.11	2.29	0.00	0.00	0.00 D	-8.65	Vz	-4.03	**11.24**	**11.24**	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	2.50	2.50		Vy	0.00	0.00	0.00		

	Fu.C.3	My	0.00	**-11.24**	1.35	0.00	0.00	0.00	D	-0.04	Vz	**-19.10**	**-19.10**	4.10	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00			Vy	0.00	0.00	0.00		
S39	Fu.C.1	My	0.00	0.00	0.00	**-22.61**	0.00	0.00	D	-2.60	Vz	**-11.50**	**-11.50**	**-1.42**	**0.00**	**0.00**
		Mz	0.00	0.00	0.00	0.00	0.00	0.00			Vy	0.00	0.00	0.00		
	Fu.C.1	My	0.00	0.00	0.00	-22.61	0.00	0.00	D	-6.22	Vz	-11.50	-11.50	-1.42	0.00	0.00
		Mz	0.00	0.00	0.00	**-0.01**	0.00	0.00			Vy	**0.00**	**0.00**	**0.00**		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00	D	**-19.10**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	**0.13**	0.00	0.00			Vy	**0.04**	**0.04**	**0.04**		
S40	Fu.C.1	My	**-22.66**	**-23.01**	0.49	**-9.97**	0.00	0.00	D	-4.96	Vz	**-1.42**	**8.67**	**8.67**	**0.00**	**0.00**
		Mz	0.00	0.00	0.00	0.21	0.08	0.00			Vy	0.06	0.06	0.06		
	Fu.C.1	My	-22.66	-23.01	0.49	-9.97	0.00	0.00	D	-10.38	Vz	-1.42	8.67	8.67	0.00	0.00
		Mz	**-0.01**	0.00	0.00	**0.26**	0.15	0.00			Vy	**0.08**	**0.08**	**0.08**		
	Fu.C.3	My	-22.66	-23.01	0.49	-9.97	0.00	0.00	D	**-15.09**	Vz	-1.42	8.67	8.67	0.00	0.00
		Mz	0.01	0.00	0.00	0.15	0.00	0.00			Vy	0.04	0.04	0.04		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00	D	-12.94	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	**0.13**	0.00	0.00	**-0.44**	0.80	0.00			Vy	**-0.16**	**-0.16**	**-0.16**		
S41	Fu.C.1	My	**-10.11**	0.00	0.00	**0.00**	0.00	0.00	D	-3.94	Vz	**8.67**	**11.55**	**11.55**	**0.00**	**0.00**
		Mz	0.21	0.00	0.00	-0.52	0.29	0.00			Vy	-0.73	-0.73	-0.73		
	Fu.C.1	My	-10.11	0.00	0.00	0.00	0.00	0.00	D	-9.36	Vz	8.67	11.55	11.55	0.00	0.00
		Mz	**0.26**	0.00	0.00	**-0.55**	0.32	0.00			Vy	**-0.81**	**-0.81**	**-0.81**		
	Fu.C.3	My	-10.11	0.00	0.00	0.00	0.00	0.00	D	**-13.88**	Vz	8.67	11.55	11.55	0.00	0.00
		Mz	0.15	0.00	0.00	-0.25	0.37	0.00			Vy	-0.40	-0.40	-0.40		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00	D	-9.87	Vz	0.00	0.00	0.00	0.00	0.00

Staaf	B.C.	Waard	Mb	Mmax	xMmax	Me	x-M0	x-M0	T/D	Nmax	Waard	Vb	Vmax	Ve	Mxb	Mxe
		Mz	**-0.44**	0.00	0.00	**0.78**	0.36	0.00			Vy	**1.22**	**1.22**	**1.22**		
S42	Fu.C.1	My	0.00	0.00	0.00	**-22.61**	0.00	0.00	T	0.69	Vz	**-11.50**	**-11.50**	**-1.42**	0.00	0.00
		Mz	0.00	0.00	0.00	0.03	0.00	0.00			Vy	0.01	0.01	0.01		
	Fu.C.8	My	0.00	0.00	0.00	-22.61	0.00	0.00	T	**0.89**	Vz	-11.50	-11.50	-1.42	0.00	0.00
		Mz	0.00	0.00	0.00	0.05	0.00	0.00			Vy	0.02	0.02	0.02		
	Fu.C.1	My	0.00	0.00	0.00	-22.61	0.00	0.00	D	-3.97	Vz	-11.50	-11.50	-1.42	0.00	0.00
		Mz	0.00	0.00	0.00	**0.07**	0.00	0.00			Vy	**0.02**	**0.02**	**0.02**		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00	D	**-13.78**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.03	0.00	0.00			Vy	0.01	0.01	0.01		
S43	Fu.C.1	My	**-22.66**	**-23.01**	0.49	**-9.97**	0.00	0.00	T	1.71	Vz	**-1.42**	**8.67**	**8.67**	0.00	0.00
		Mz	0.03	0.00	0.00	0.03	0.00	0.00			Vy	0.00	0.00	0.00		
	Fu.C.7	My	-22.66	-23.01	0.49	-9.97	0.00	0.00	T	1.74	Vz	-1.42	8.67	8.67	0.00	0.00
		Mz	0.02	0.00	0.00	**0.05**	0.00	0.00			Vy	0.01	0.01	0.01		
	Fu.C.8	My	-22.66	-23.01	0.49	-9.97	0.00	0.00	T	**1.91**	Vz	-1.42	8.67	8.67	0.00	0.00
		Mz	0.05	0.00	0.00	0.00	0.00	0.00			Vy	-0.01	-0.01	-0.01		
	Fu.C.1	My	-22.66	-23.01	0.49	-9.97	0.00	0.00	D	-2.95	Vz	-1.42	8.67	8.67	0.00	0.00
		Mz	**0.07**	0.00	0.00	-0.06	1.97	0.00			Vy	-0.04	-0.04	-0.04		
	Fu.C.2	My	-22.66	-23.01	0.49	-9.97	0.00	0.00	D	-5.82	Vz	-1.42	8.67	8.67	0.00	0.00
		Mz	0.01	0.00	0.00	0.04	0.00	0.00			Vy	**0.01**	**0.01**	**0.01**		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00	D	**-12.56**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.03	0.00	0.00	-0.13	0.65	0.00			Vy	-0.05	-0.05	-0.05		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00	D	-9.08	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.06	0.00	0.00	**-0.20**	0.84	0.00			Vy	**-0.08**	**-0.08**	**-0.08**		
S44	Fu.C.1	My	**-10.11**	0.00	0.00	**0.00**	0.00	0.00	T	2.22	Vz	**8.67**	**11.55**	**11.55**	0.00	0.00
		Mz	0.03	0.00	0.00	0.40	0.00	0.00			Vy	0.37	0.37	0.37		

	Fu.C.7	My	-10.11	0.00	0.00	0.00	0.00	0.00	T	2.25	Vz	8.67	11.55	11.55	0.00	0.00
		Mz	**0.05**	0.00	0.00	0.45	0.00	0.00			Vy	0.40	0.40	0.40		
	Fu.C.8	My	-10.11	0.00	0.00	0.00	0.00	0.00	T	**2.42**	Vz	8.67	11.55	11.55	0.00	0.00
		Mz	0.00	0.00	0.00	0.37	0.00	0.00			Vy	0.37	0.37	0.37		
	Fu.C.1	My	-10.11	0.00	0.00	0.00	0.00	0.00	D	-2.06	Vz	8.67	11.55	11.55	0.00	0.00
		Mz	0.01	0.00	0.00	0.47	0.00	0.00			Vy	**0.46**	**0.46**	**0.46**		
	Fu.C.1	My	-10.11	0.00	0.00	0.00	0.00	0.00	T	2.21	Vz	8.67	11.55	11.55	0.00	0.00
		Mz	0.05	0.00	0.00	**0.47**	0.00	0.00			Vy	0.43	0.43	0.43		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00	D	**-11.34**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	-0.13	0.00	0.00	-0.15	0.00	0.00			Vy	-0.01	-0.01	-0.01		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00	D	-11.19	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	-0.18	0.00	0.00	-0.21	0.00	0.00			Vy	**-0.03**	**-0.03**	**-0.03**		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00	D	-7.86	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	**-0.20**	0.00	0.00	**-0.22**	0.00	0.00			Vy	-0.01	-0.01	-0.01		
S45	Fu.C.1	My	0.00	0.00	0.00	**-27.58**	0.00	0.00	D	-3.29	Vz	**-12.92**	**-12.92**	**-2.84**	**0.00**	**0.00**
		Mz	0.00	0.00	0.00	0.02	0.00	0.00			Vy	0.01	0.01	0.01		
	Fu.C.2	My	0.00	0.00	0.00	-27.58	0.00	0.00	D	**-11.24**	Vz	-12.92	-12.92	-2.84	0.00	0.00
		Mz	0.00	0.00	0.00	0.02	0.00	0.00			Vy	0.01	0.01	0.01		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00	D	-9.04	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	**0.07**	0.00	0.00			Vy	**0.02**	**0.02**	**0.02**		
S46	Fu.C.1	My	**-27.31**	**-28.71**	0.98	**-19.59**	0.00	0.00	T	7.68	Vz	**-2.84**	**7.25**	**7.25**	**0.00**	**0.00**
		Mz	0.02	0.00	0.00	0.07	0.00	0.00			Vy	0.01	0.01	0.01		
	Fu.C.7	My	-27.31	-28.71	0.98	-19.59	0.00	0.00	T	6.07	Vz	-2.84	7.25	7.25	0.00	0.00
		Mz	0.02	0.00	0.00	0.08	0.00	0.00			Vy	**0.02**	**0.02**	**0.02**		
	Fu.C.9	My	-27.31	-28.71	0.98	-19.59	0.00	0.00	T	**7.95**	Vz	-2.84	7.25	7.25	0.00	0.00

Staaf	**B.C.**	**Ward**	**Mb**	**Mmax**	**xMmax**	**Me**	**x-M0**	**x-M0**	**T/D**	**Nmax**	**Waard**	**Vb**	**Vmax**	**Ve**	**Mxb**	**Mxe**
		Mz	0.03	0.00	0.00	0.07	0.00	0.00			Vy	0.01	0.01	0.01		
	Fu.C.1	My	-27.31	-28.71	0.98	-19.59	0.00	0.00	T	6.32	Vz	-2.84	7.25	7.25	0.00	0.00
		Mz	0.02	0.00	0.00	**0.08**	0.00	0.00			Vy	0.02	0.02	0.02		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00	D	**-14.80**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	**0.07**	0.00	0.00	**-0.25**	0.81	0.00			Vy	**-0.09**	**-0.09**	**-0.09**		
S47	Fu.C.1	My	**-19.73**	0.00	0.00	**0.53**	1.96	0.00	T	9.71	Vz	**7.25**	**13.01**	**13.01**	**0.00**	**0.00**
		Mz	0.07	0.00	0.00	0.09	0.00	0.00			Vy	0.01	0.01	0.01		
	Fu.C.9	My	-19.73	0.00	0.00	0.53	1.96	0.00	T	**9.87**	Vz	7.25	13.01	13.01	0.00	0.00
		Mz	0.07	0.00	0.00	0.09	0.00	0.00			Vy	0.01	0.01	0.01		
	Fu.C.1	My	-19.73	0.00	0.00	0.53	1.96	0.00	T	6.02	Vz	7.25	13.01	13.01	0.00	0.00
		Mz	0.06	0.00	0.00	**-0.05**	1.09	0.00			Vy	**-0.06**	**-0.06**	**-0.06**		
	Fu.C.1	My	-19.73	0.00	0.00	0.53	1.96	0.00	T	9.83	Vz	7.25	13.01	13.01	0.00	0.00
		Mz	**0.08**	0.00	0.00	0.19	0.00	0.00			Vy	0.05	0.05	0.05		
	Fu.C.3	My	0.00	0.00	0.00	0.00	0.00	0.00	D	**-13.58**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	**-0.25**	0.00	0.00	**0.37**	0.80	0.00			Vy	**0.31**	**0.31**	**0.31**		

FU.C. EXTREME OPLEGREACTIES ANALYSE

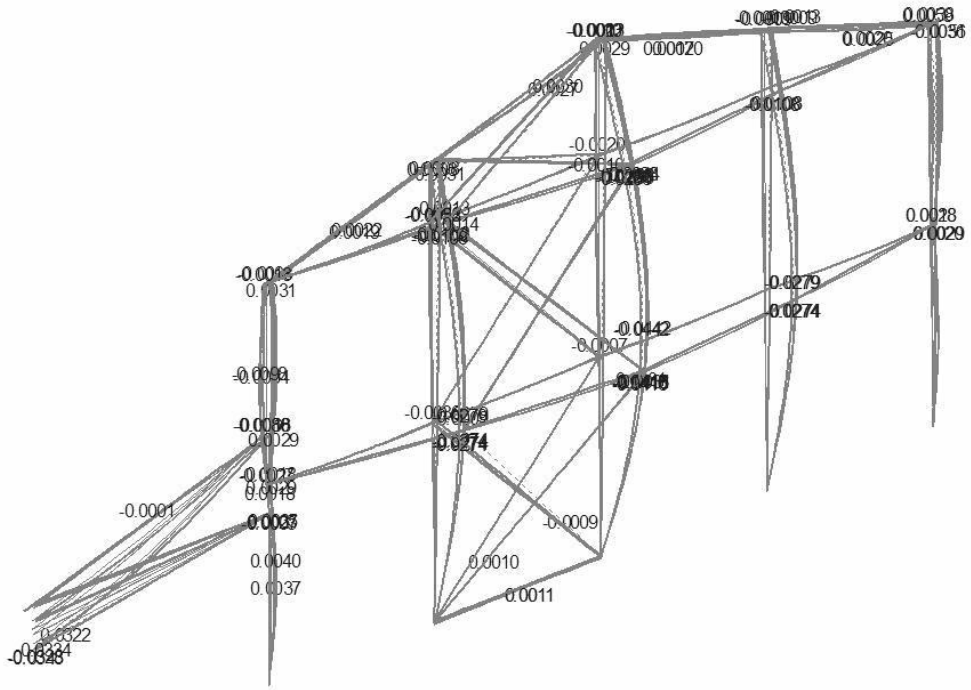
Oplegging	**Knoop**	**B.C.**	**Xmax**	**Y**	**Z**	**B.C.**	**Ymax**	**X**	**Z**	**B.C.**	**Zmax**	**X**	**Y**
O1	K1	Fu.C.3	**-5.93**	0.00	-25.68	Fu.C.1	**-1.90**	-1.75	-1.62	Fu.C.38	**-25.68**	-5.93	0.00
O2	K5	Fu.C.3	**0.02**	0.00	-5.99								
O2	K5	Fu.C.1	**-1.92**	-1.90	-3.42	Fu.C.1	**-1.90**	-1.36	-3.62	Fu.C.27	**-7.65**	-0.57	-1.90
O3	K14									Fu.C.8	**0.19**	-0.02	-11.50
O3	K14	Fu.C.1	**-0.02**	-11.50	-3.97	Fu.C.1	**-11.50**	-0.01	-0.01	Fu.C.35	**-13.78**	-0.01	0.00

O4	K15	Fu.C.3	**5.24**	0.00	0.00								
O4	K15	Fu.C.1	**-12.34**	-12.92	0.00	Fu.C.1	**-12.92**	-9.91	0.00				
O5	K17					Fu.C.1	**-6.52**	0.00	0.00				
O6	K4					Fu.C.1	**-1.80**	0.00	0.00				
O7	K11					Fu.C.1	**-11.94**	0.00	0.00				
O8	K3					Fu.C.1	**-12.36**	0.00	0.00				
O9	K12					Fu.C.1	**-11.94**	0.00	0.00				
O10	K2					Fu.C.1	**-1.80**	0.00	0.00				
O11	K18					Fu.C.1	**-6.52**	0.00	0.00				
O12	K9					Fu.C.1	**-11.50**	0.00	0.00				
O13	K6					Fu.C.1	**0.00**	0.00	0.00				
Globale extreme waarden													
O4	K15	Fu.C.38	**5.24**	0.00	0.00								
O4	K15	Fu.C.15	**-12.34**	-12.92	0.00								
O13	K6					Fu.C.1	**0.00**	0.00	0.00				
O4	K15					Fu.C.1	**-12.92**	-9.91	0.00				
O3	K14									Fu.C.8	**0.19**	-0.02	-11.50
O1	K1									Fu.C.38	**-25.68**	-5.93	0.00

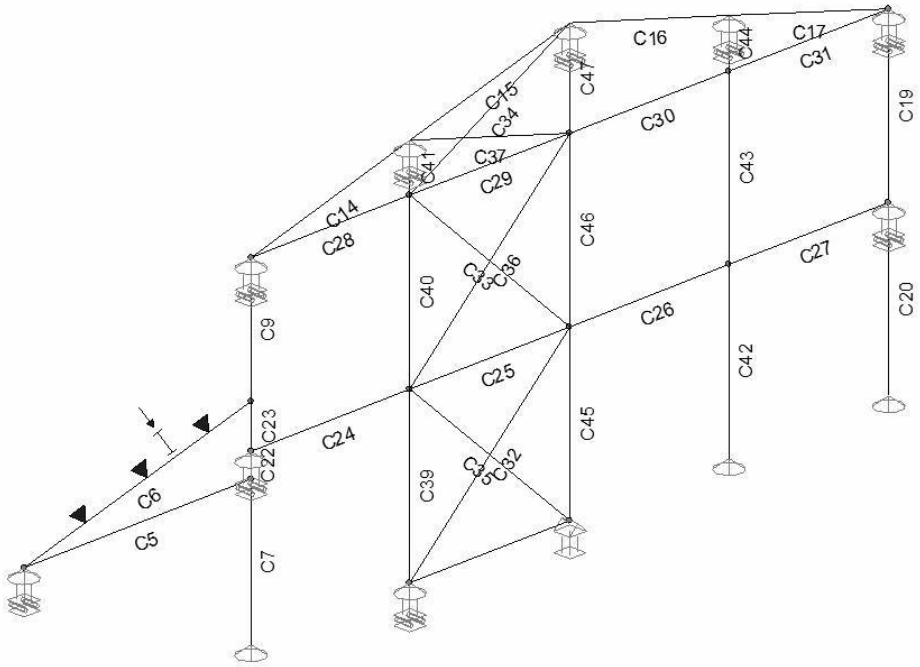
FU.C. EXTREME OPLEGREACTIES (MOMENTEN) ANALYSE

Oplegging	**Knoop**	**B.C.**	**Mxmax**	**MY**	**MZ B.C.**	**Mymax**	**MX**	**MZ B.C.**	**Mzmax**	**MX**	**MY**
O4	K15								Fu.C.1	**0,00**	
0,00	0,00										
Globale extreme waarden											
O4	K15							Fu.C.1	**0.00**	0.00	0.00

AFB. KA.C. VERPLAATSINGEN OMHULLENDE Karakteristiek Belastingscombinaties



AFB. STAALDEFINITIE



KNIKLENGTEGEGEVENS

Staaf	Profiel		Lokale Y-as			Lokale Z-as		
		Lsys	methode	Lbuc	Lbuc/Lsys	methode	Lbuc	Lbuc/Lsys
C5 - V1 (0.000-5.350)	P1	5.350	Cons.	5.350	1.00	Cons.	5.350	1.00
C7 - V1 (0.000-3.000)	P1	3.000	gesch. Cons.	3.000	1.00	gesch. Handmatig	3.500	1.17
C9 - V1 (0.000-2.600)	P1	2.600	gesch. Cons.	2.600	1.00	e Invoer Handmatig	3.500	1.35
C14 - V1 (0.000-3.881)	P1	3.880	gesch. Cons.	3.881	1.00	e Invoer Cons.	3.881	1.00
C15 - V1 (0.000-3.881)	P1	3.880	gesch. Cons.	3.881	1.00	gesch. Cons.	3.881	1.00
C16 - V1 (0.000-3.881)	P1	3.880	gesch. Cons.	3.881	1.00	gesch. Cons.	3.881	1.00
C17 - V1 (0.000-3.881)	P1	3.880	gesch. Cons.	3.881	1.00	gesch. Cons.	3.881	1.00
C19 - V1 (0.000-3.500)	P1	3.500	gesch. Cons.	3.500	1.00	gesch. Cons.	3.500	1.00
C20 - V1 (0.000-3.500)	P1	3.500	gesch. Cons.	3.500	1.00	gesch. Cons.	3.500	1.00
C22 - V1 (0.000-0.500)	P1	0.500	gesch. Cons.	0.500	1.00	gesch. Cons.	0.500	1.00
C23 - V1 (0.000-0.900)	P1	0.900	gesch. Cons.	0.900	1.00	gesch. Cons.	0.900	1.00
C24 - V1 (0.000-3.750)	P2	3.750	gesch. Cons.	3.750	1.00	gesch. Cons.	3.750	1.00
C25 - V1 (0.000-3.750)	P2	3.750	gesch. Cons.	3.750	1.00	gesch. Cons.	3.750	1.00
C26 - V1 (0.000-3.750)	P2	3.750	gesch. Cons.	3.750	1.00	gesch. Cons.	3.750	1.00
C27 - V1 (0.000-3.750)	P2	3.750	gesch. Cons.	3.750	1.00	gesch. Cons.	3.750	1.00

Staaf	Profiel	Lsys	Lokale Y-as methode	Lbuc	Lbuc/Lsys	Lokale Z-as methode	Lbuc	Lbuc/Lsys
C29 - V1 (0.000-3.750)	P2	3.750	Cons. gesch.	3.750	1.00	Cons. gesch.	3.750	1.00
C30 - V1 (0.000-3.750)	P2	3.750	Cons. gesch.	3.750	1.00	Cons. gesch.	3.750	1.00
C31 - V1 (0.000-3.750)	P2	3.750	Cons. gesch.	3.750	1.00	Cons. gesch.	3.750	1.00
C39 - V1 (0.000-3.500)	P3	3.500	Handmatig e Invoer	8.000	2.29	Cons. gesch.	3.500	1.00
C40 - V1 (0.000-3.500)	P3	3.500	Handmatig e Invoer	8.000	2.29	Cons. gesch.	3.500	1.00
C41 - V1 (0.000-1.000)	P3	1.000	Cons. gesch.	1.000	1.00	Cons. gesch.	1.000	1.00
C42 - V1 (0.000-3.500)	P3	3.500	Handmatig e Invoer	8.000	2.29	Cons. gesch.	3.500	1.00
C43 - V1 (0.000-3.500)	P3	3.500	Handmatig e Invoer	8.000	2.29	Cons. gesch.	3.500	1.00
C44 - V1 (0.000-1.000)	P3	1.000	Cons. gesch.	1.000	1.00	Cons. gesch.	1.000	1.00
C45 - V1 (0.000-3.500)	P3	3.500	Handmatig e Invoer	9.000	2.57	Cons. gesch.	3.500	1.00
C46 - V1 (0.000-3.500)	P3	3.500	Handmatig e Invoer	9.000	2.57	Cons. gesch.	3.500	1.00
C47 - V1 (0.000-2.000)	P3	2.000	Handmatig e Invoer	9.000	4.50	Cons. gesch.	2.000	1.00

KIPSTEUNENGEGEVENS

Staaf	Profiel	Begin:	Eind:	Kipsteunen boven	Kipsteunen onder	Aangrijphoogte
C5 - V1 (0.000-5.350)	P1	Gesteund	Gesteund			Centrum
C6 - V1 (0.000-5.530)	P1	Gesteund	Gesteund	1.5, 3, 4.5		Bovenflens
C7 - V1 (0.000-3.000)	P1	Gesteund	Gesteund			Centrum
C9 - V1 (0.000-2.600)	P1	Gesteund	Gesteund			Centrum
C14 - V1 (0.000-3.881)	P1	Gesteund	Gesteund			Centrum
C15 - V1 (0.000-3.881)	P1	Gesteund	Gesteund			Centrum
C16 - V1 (0.000-3.881)	P1	Gesteund	Gesteund			Centrum
C17 - V1 (0.000-3.881)	P1	Gesteund	Gesteund			Centrum
C19 - V1 (0.000-3.500)	P1	Gesteund	Gesteund			Centrum
C20 - V1 (0.000-3.500)	P1	Gesteund	Gesteund			Centrum
C22 - V1 (0.000-0.500)	P1	Gesteund	Gesteund			Centrum
C23 - V1 (0.000-0.900)	P1	Gesteund	Gesteund			Centrum
C24 - V1 (0.000-3.750)	P2	Gesteund	Gesteund			Centrum
C25 - V1 (0.000-3.750)	P2	Gesteund	Gesteund			Centrum
C26 - V1 (0.000-3.750)	P2	Gesteund	Gesteund			Centrum
C27 - V1 (0.000-3.750)	P2	Gesteund	Gesteund			Centrum
C28 - V1 (0.000-3.750)	P2	Gesteund	Gesteund			Centrum
C29 - V1 (0.000-3.750)	P2	Gesteund	Gesteund			Centrum
C30 - V1 (0.000-3.750)	P2	Gesteund	Gesteund			Centrum
C31 - V1 (0.000-3.750)	P2	Gesteund	Gesteund			Centrum
C39 - V1 (0.000-3.500)	P3	Gesteund	Gesteund			Centrum
C40 - V1 (0.000-3.500)	P3	Gesteund	Gesteund			Centrum
C41 - V1 (0.000-1.000)	P3	Gesteund	Gesteund			Centrum
C42 - V1 (0.000-3.500)	P3	Gesteund	Gesteund			Centrum
C43 - V1 (0.000-3.500)	P3	Gesteund	Gesteund			Centrum
C44 - V1 (0.000-1.000)	P3	Gesteund	Gesteund			Centrum
C45 - V1 (0.000-3.500)	P3	Gesteund	Gesteund			Centrum
C46 - V1 (0.000-3.500)	P3	Gesteund	Gesteund			Centrum
C47 - V1 (0.000-2.000)	P3	Gesteund	Gesteund			Centrum

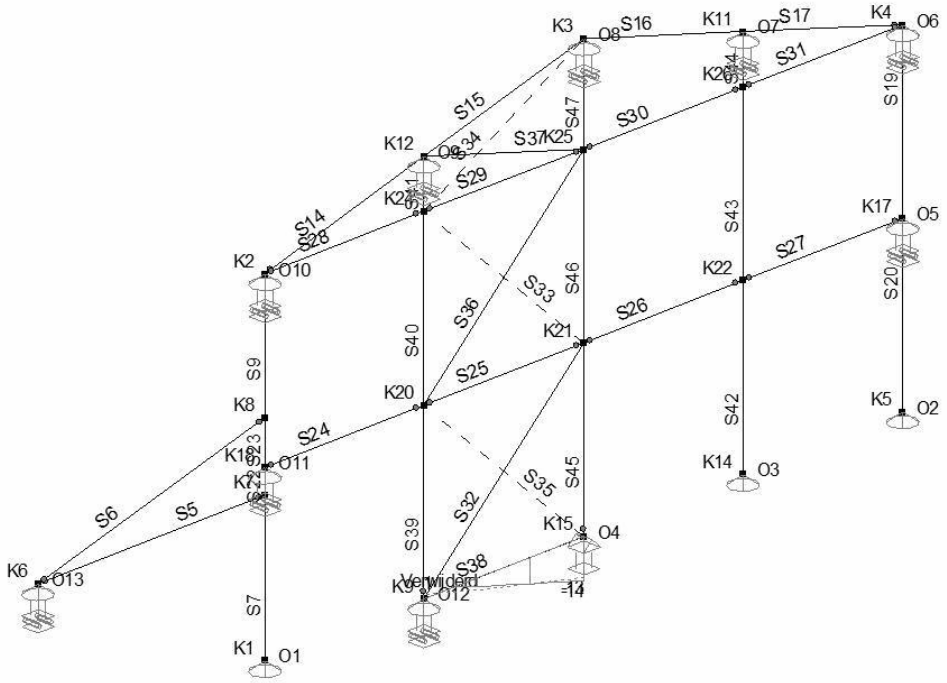
UC'S PER CONSTRUCTIEDEEL NEN-EN1993-1-1:2016/NB:2016

Label	Toetsing	Combinatie	Artikel	UC max
C5	Doorsnede	Fu.C.36	NEN-EN1993-1-1(6.9)	0,06
	Stabiliteit	Fu.C.36	NEN-EN1993-1-1(6.46)	0,08
Label	**Toetsing**	**Combinatie**	**Artikel**	**UC max**
	Stabiliteit	Fu.C.36	NEN-EN1993-1-1(6.46)	0,54
	Stabiliteit	Fu.C.36	NEN-EN1993-1-1(6.61&6.62)	0,58
	Kiptoetsing	Fu.C.39	NEN-EN1993-1-1(6.54)	0,05
C6	Doorsnede	Fu.C.36	NEN-EN1993-1-1(6.12)	0,34
	Kiptoetsing	Fu.C.36	NEN-EN1993-1-1(6.54)	0,38
C7	Doorsnede	Fu.C.38	NEN-EN1993-1-1(6.12)	0,46
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.46)	0,05
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.46)	0,18
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.61&6.62)	0,72
	Kiptoetsing	Fu.C.38	NEN-EN1993-1-1(6.54)	0,57
C9	Doorsnede	Fu.C.36	NEN-EN1993-1-1(6.12)	0,52
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.46)	0,01
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.46)	0,05
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.61&6.62)	0,66
	Kiptoetsing	Fu.C.36	NEN-EN1993-1-1(6.54)	0,62
C14	Doorsnede	Fu.C.31	NEN-EN1993-1-1(6.12)	0,10
	Stabiliteit	Fu.C.34	NEN-EN1993-1-1(6.46)	0,02
	Stabiliteit	Fu.C.34	NEN-EN1993-1-1(6.46)	0,09
	Stabiliteit	Fu.C.34	NEN-EN1993-1-1(6.61&6.62)	0,23
	Kiptoetsing	Fu.C.38	NEN-EN1993-1-1(6.54)	0,15
C15	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,12
	Stabiliteit	Fu.C.31	NEN-EN1993-1-1(6.46)	0,03
	Stabiliteit	Fu.C.31	NEN-EN1993-1-1(6.46)	0,13
	Stabiliteit	Fu.C.31	NEN-EN1993-1-1(6.61&6.62)	0,33
	Kiptoetsing	Fu.C.31	NEN-EN1993-1-1(6.54)	0,14
C16	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,12
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.46)	0,03
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.46)	0,13
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.61&6.62)	0,31
	Kiptoetsing	Fu.C.33	NEN-EN1993-1-1(6.54)	0,13
C17	Doorsnede	Fu.C.35	NEN-EN1993-1-1(6.12)	0,10
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.46)	0,03
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.46)	0,12
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.61&6.62)	0,24
	Kiptoetsing	Fu.C.35	NEN-EN1993-1-1(6.54)	0,14
C19	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,28
	Stabiliteit	Fu.C.11	NEN-EN1993-1-1(6.46)	0,01
	Stabiliteit	Fu.C.11	NEN-EN1993-1-1(6.46)	0,03
	Stabiliteit	Fu.C.11	NEN-EN1993-1-1(6.61&6.62)	0,25
	Kiptoetsing	Fu.C.1	NEN-EN1993-1-1(6.54)	0,17
C20	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,29
	Stabiliteit	Fu.C.11	NEN-EN1993-1-1(6.46)	0,01
	Stabiliteit	Fu.C.11	NEN-EN1993-1-1(6.46)	0,04
	Stabiliteit	Fu.C.11	NEN-EN1993-1-1(6.61&6.62)	0,24
	Kiptoetsing	Fu.C.1	NEN-EN1993-1-1(6.54)	0,15
C22	Doorsnede	Fu.C.38	NEN-EN1993-1-1(6.12)	0,46
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.46)	0,04
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.46)	0,04
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.61&6.62)	0,44
	Kiptoetsing	Fu.C.40	NEN-EN1993-1-1(6.54)	0,00
C23	Doorsnede	Fu.C.36	NEN-EN1993-1-1(6.12)	0,52
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.46)	0,04
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.46)	0,05
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.61&6.62)	0,58
	Kiptoetsing	Fu.C.40	NEN-EN1993-1-1(6.54)	0,00
C24	Doorsnede	Fu.C.39	NEN-EN1993-1-1(6.31)	0,03
	Stabiliteit	Fu.C.18	NEN-EN1993-1-1(6.46)	0,05
	Stabiliteit	Fu.C.18	NEN-EN1993-1-1(6.46)	0,10
	Stabiliteit	Fu.C.18	NEN-EN1993-1-1(6.61&6.62)	0,12
	Kiptoetsing	Fu.C.40	NEN-EN1993-1-1(6.54)	0,00
C25	Doorsnede	Fu.C.23	NEN-EN1993-1-1(6.1)	0,06
	Stabiliteit	Fu.C.23	NEN-EN1993-1-1(6.46)	0,07
	Stabiliteit	Fu.C.23	NEN-EN1993-1-1(6.46)	0,13
	Stabiliteit	Fu.C.23	NEN-EN1993-1-1(6.61&6.62)	0,16
	Kiptoetsing	Fu.C.40	NEN-EN1993-1-1(6.54)	0,00

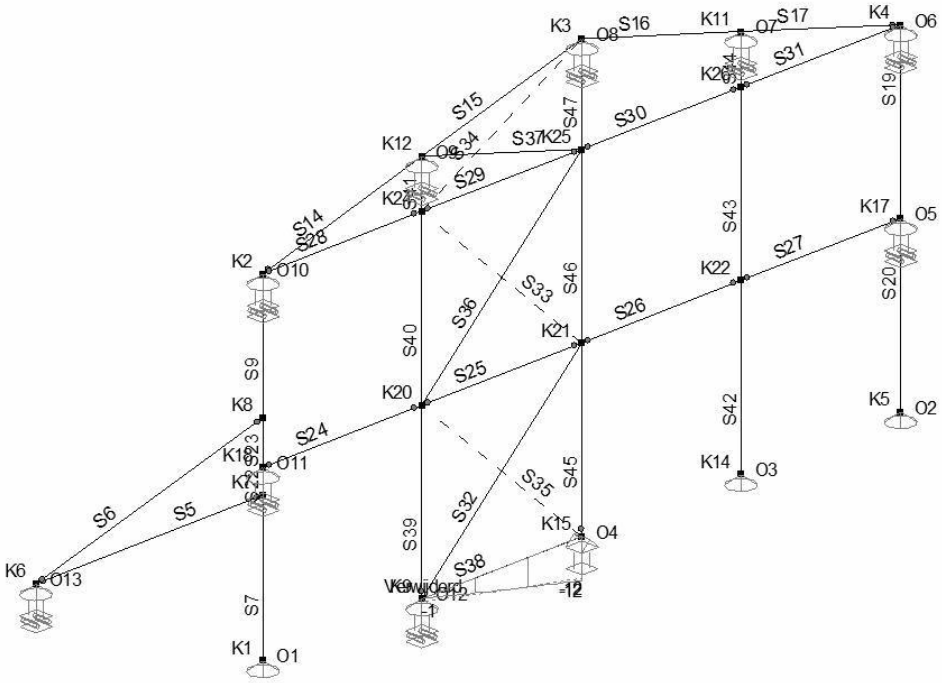
C26	Doorsnede	Fu.C.15	NEN-EN1993-1-1(6.1)	0,05
	Stabiliteit	Fu.C.39	NEN-EN1993-1-1(6.46)	0,00
	Stabiliteit	Fu.C.39	NEN-EN1993-1-1(6.46)	0,00
Label	**Toetsing**	**Combinatie**	**Artikel**	**UC max**
	Stabiliteit	Fu.C.39	NEN-EN1993-1-1(6.61&6.62)	0,03
	Kiptoetsing	Fu.C.40	NEN-EN1993-1-1(6.54)	0,00
C27	Doorsnede	Fu.C.39	NEN-EN1993-1-1(6.31)	0,03
	Stabiliteit	Fu.C.22	NEN-EN1993-1-1(6.46)	0,00
	Stabiliteit	Fu.C.22	NEN-EN1993-1-1(6.46)	0,00
	Stabiliteit	Fu.C.22	NEN-EN1993-1-1(6.61&6.62)	0,03
	Kiptoetsing	Fu.C.40	NEN-EN1993-1-1(6.54)	0,00
C28	Doorsnede	Fu.C.30	NEN-EN1993-1-1(6.1)	0,06
	Kiptoetsing	Fu.C.40	NEN-EN1993-1-1(6.54)	0,00
C29	Doorsnede	Fu.C.39	NEN-EN1993-1-1(6.31)	0,03
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.46)	0,02
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.46)	0,03
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.61&6.62)	0,05
	Kiptoetsing	Fu.C.40	NEN-EN1993-1-1(6.54)	0,00
C30	Doorsnede	Fu.C.15	NEN-EN1993-1-1(6.5)	0,05
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.46)	0,02
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.46)	0,03
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.61&6.62)	0,06
	Kiptoetsing	Fu.C.40	NEN-EN1993-1-1(6.54)	0,00
C31	Doorsnede	Fu.C.31	NEN-EN1993-1-1(6.1)	0,08
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.46)	0,02
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.46)	0,04
	Stabiliteit	Fu.C.38	NEN-EN1993-1-1(6.61&6.62)	0,06
	Kiptoetsing	Fu.C.40	NEN-EN1993-1-1(6.54)	0,00
C32	Doorsnede	Fu.C.15	NEN-EN1993-1-1(6.5)	0,29
C33	Doorsnede	Fu.C.36	NEN-EN1993-1-1(6.5)	0,17
C34	Doorsnede	Fu.C.38	NEN-EN1993-1-1(6.5)	0,19
C35	Doorsnede	Fu.C.38	NEN-EN1993-1-1(6.5)	0,12
C36	Doorsnede	Fu.C.15	NEN-EN1993-1-1(6.5)	0,13
C37	Doorsnede	Fu.C.15	NEN-EN1993-1-1(6.5)	0,16
C39	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,44
	Stabiliteit	Fu.C.28	NEN-EN1993-1-1(6.46)	0,03
	Stabiliteit	Fu.C.28	NEN-EN1993-1-1(6.46)	0,07
	Stabiliteit	Fu.C.28	NEN-EN1993-1-1(6.61&6.62)	0,67
	Kiptoetsing	Fu.C.1	NEN-EN1993-1-1(6.54)	0,61
C40	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,44
	Stabiliteit	Fu.C.31	NEN-EN1993-1-1(6.46)	0,04
	Stabiliteit	Fu.C.31	NEN-EN1993-1-1(6.46)	0,08
	Stabiliteit	Fu.C.31	NEN-EN1993-1-1(6.61&6.62)	0,76
	Kiptoetsing	Fu.C.9	NEN-EN1993-1-1(6.54)	0,68
C41	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,20
	Stabiliteit	Fu.C.15	NEN-EN1993-1-1(6.46)	0,01
	Stabiliteit	Fu.C.15	NEN-EN1993-1-1(6.46)	0,02
	Stabiliteit	Fu.C.15	NEN-EN1993-1-1(6.61&6.62)	0,24
	Kiptoetsing	Fu.C.32	NEN-EN1993-1-1(6.54)	0,00
C42	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,44
	Stabiliteit	Fu.C.30	NEN-EN1993-1-1(6.46)	0,03
	Stabiliteit	Fu.C.30	NEN-EN1993-1-1(6.46)	0,06
	Stabiliteit	Fu.C.30	NEN-EN1993-1-1(6.61&6.62)	0,66
	Kiptoetsing	Fu.C.1	NEN-EN1993-1-1(6.54)	0,61
C43	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,44
	Stabiliteit	Fu.C.30	NEN-EN1993-1-1(6.46)	0,02
	Stabiliteit	Fu.C.30	NEN-EN1993-1-1(6.46)	0,05
	Stabiliteit	Fu.C.30	NEN-EN1993-1-1(6.61&6.62)	0,73
	Kiptoetsing	Fu.C.26	NEN-EN1993-1-1(6.54)	0,68
C44	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,20
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.46)	0,01
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.46)	0,01
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.61&6.62)	0,23
	Kiptoetsing	Fu.C.32	NEN-EN1993-1-1(6.54)	0,00
C45	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,53
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.46)	0,03
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.46)	0,06
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.61&6.62)	0,78
	Kiptoetsing	Fu.C.1	NEN-EN1993-1-1(6.54)	0,73

C46	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,55
	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.46)	0,01
	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.46)	0,01
Label	**Toetsing**	**Combinatie**	**Artikel**	**UC max**
	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.61&6.62)	0,89
	Kiptoetsing	Fu.C.22	NEN-EN1993-1-1(6.54)	0,88
C47	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,38
	Stabiliteit	Fu.C.20	NEN-EN1993-1-1(6.46)	0,00
	Stabiliteit	Fu.C.20	NEN-EN1993-1-1(6.46)	0,00
	Stabiliteit	Fu.C.20	NEN-EN1993-1-1(6.61&6.62)	0,43
	Kiptoetsing	Fu.C.22	NEN-EN1993-1-1(6.54)	0,42

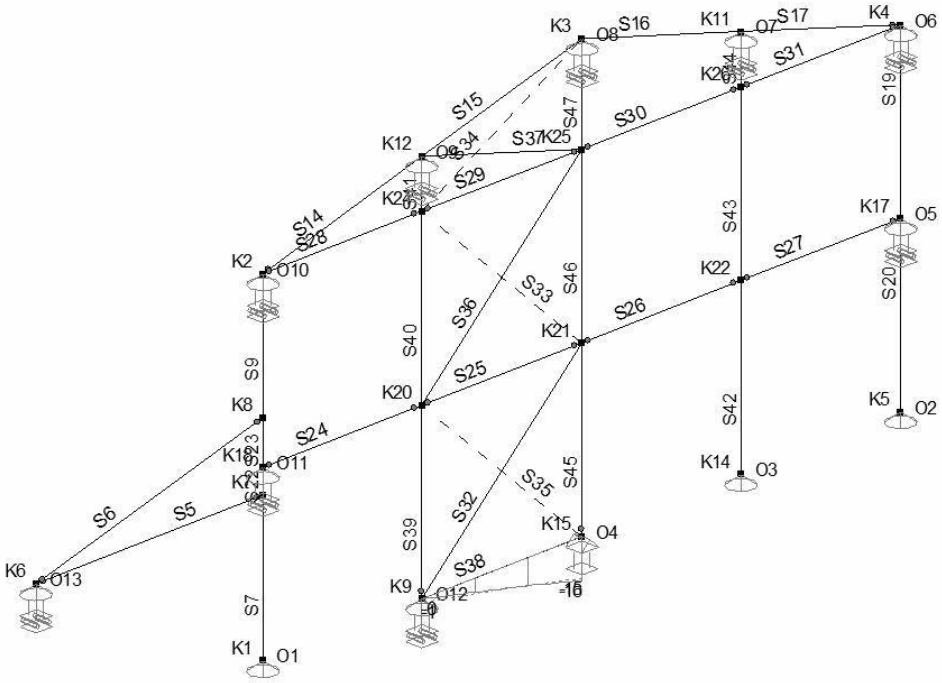
AFB. FU.C.1 TEGENDRUK Fundamenteel Belastingscombinaties



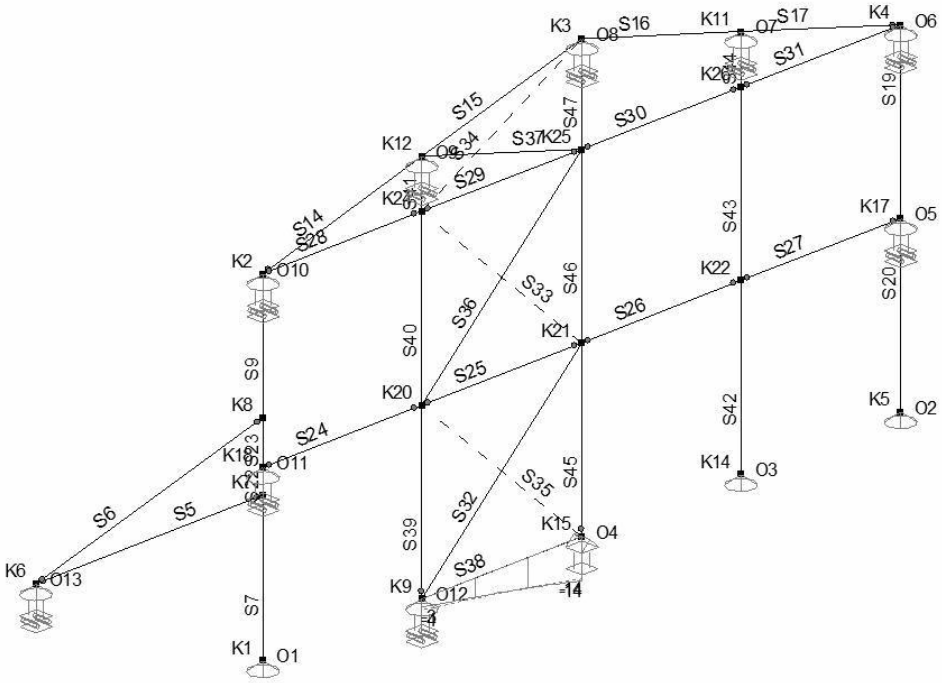
AFB. FU.C.2 TEGENDRUK Fundamenteel Belastingscombinaties



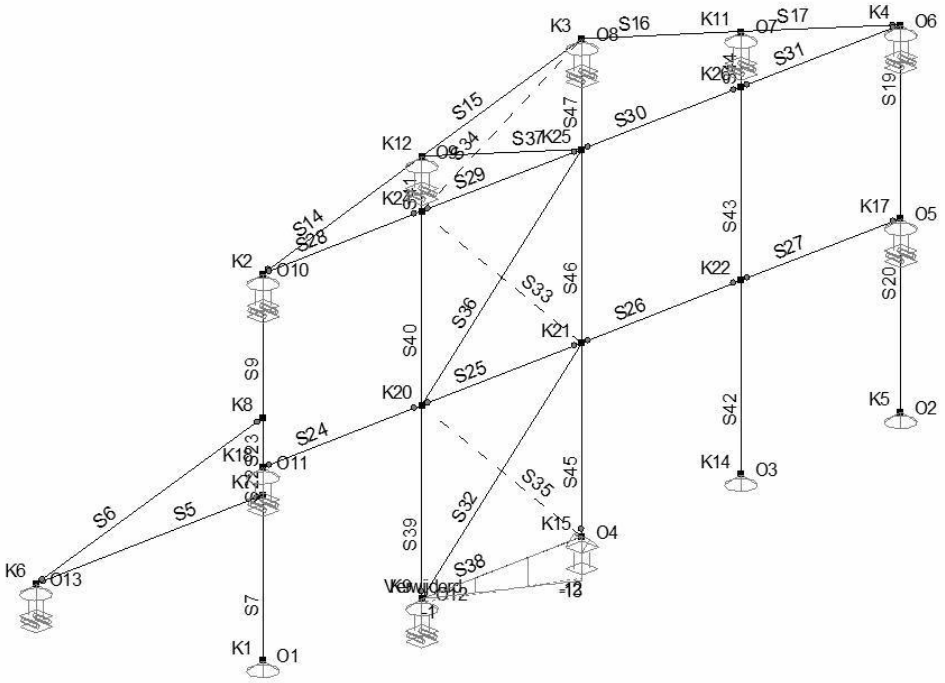
AFB. FU.C.3 TEGENDRUK Fundamenteel Belastingscombinaties



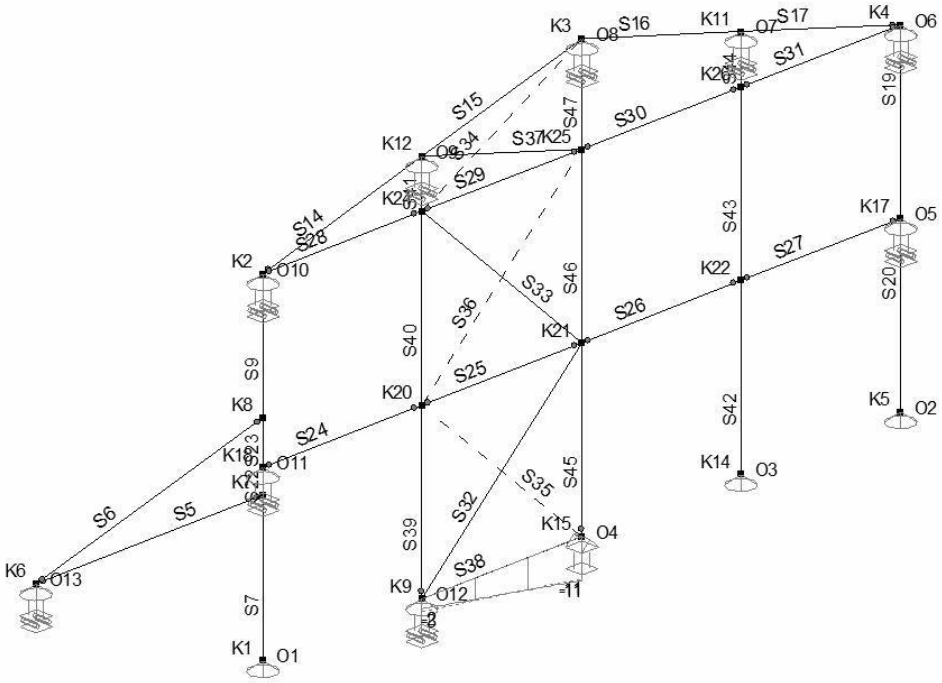
AFB. FU.C.4 TEGENDRUK Fundamenteel Belastingscombinaties



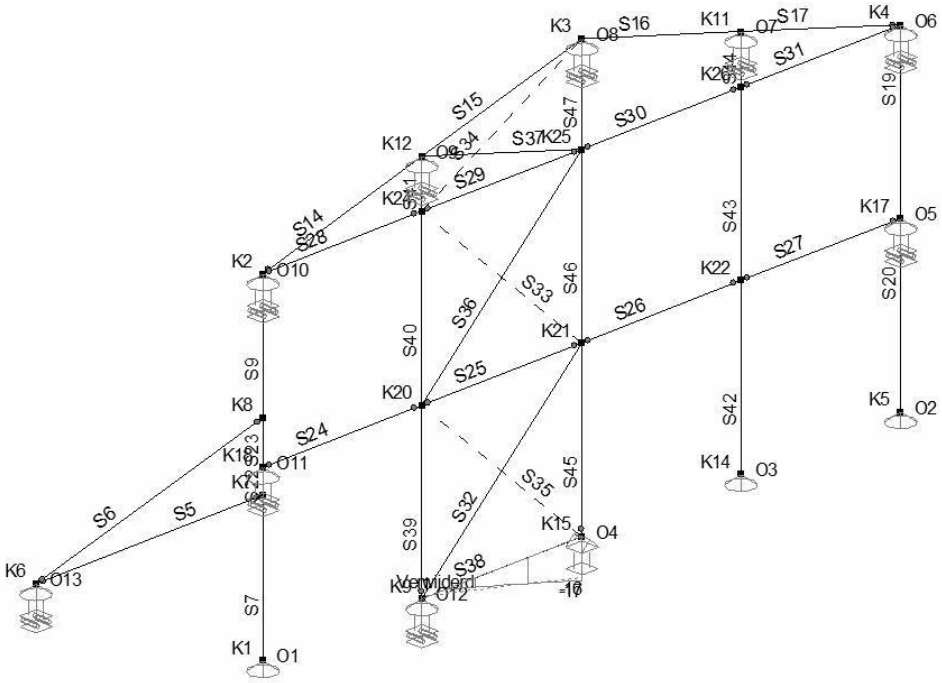
AFB. FU.C.5 TEGENDRUK Fundamenteel Belastingscombinaties



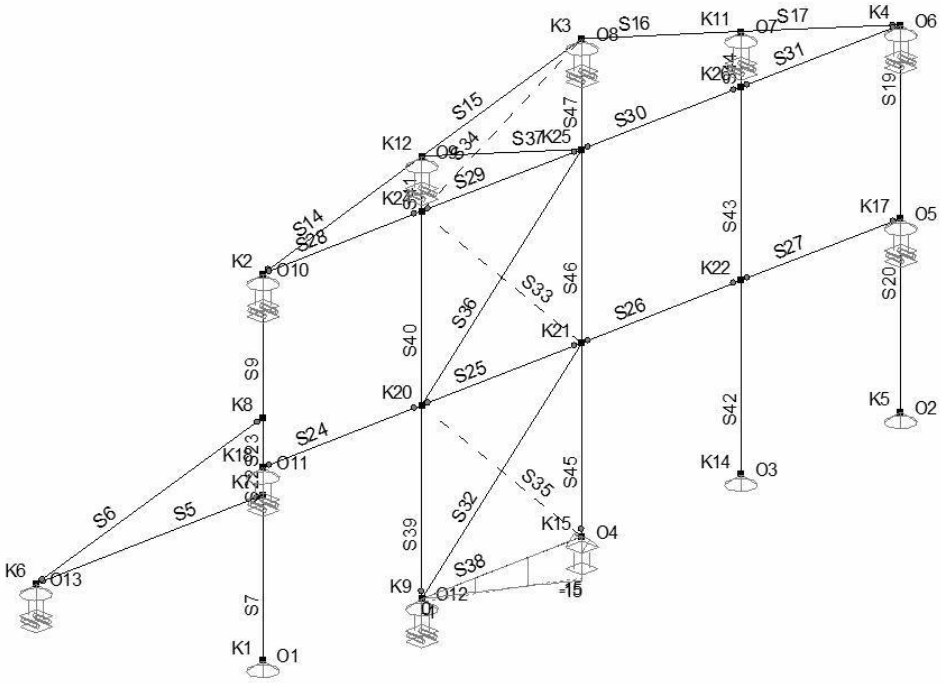
AFB. FU.C.6 TEGENDRUK Fundamenteel Belastingscombinaties



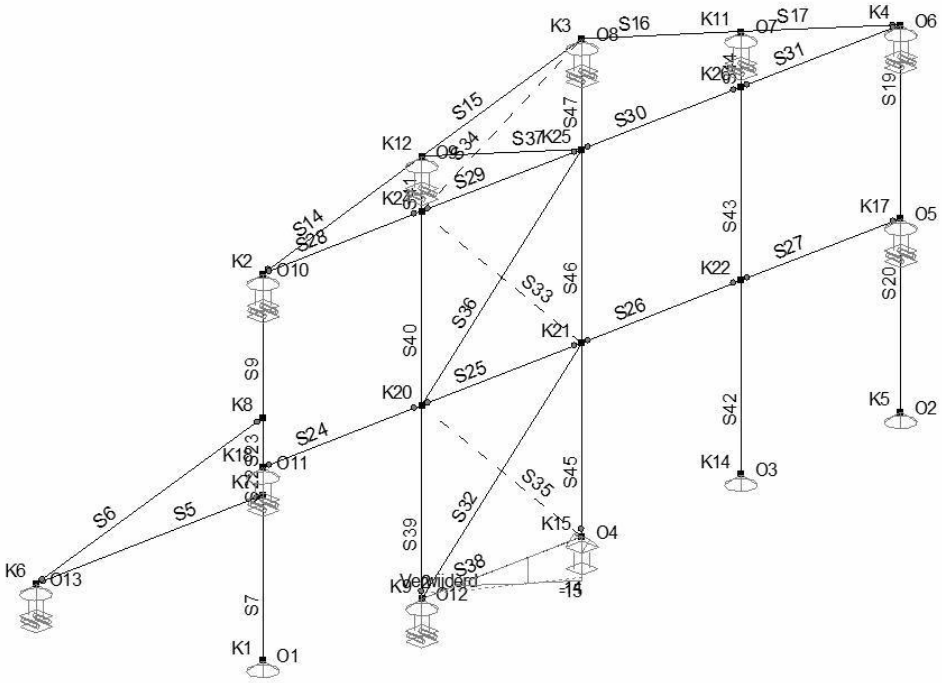
AFB. FU.C.7 TEGENDRUK Fundamenteel Belastingscombinaties



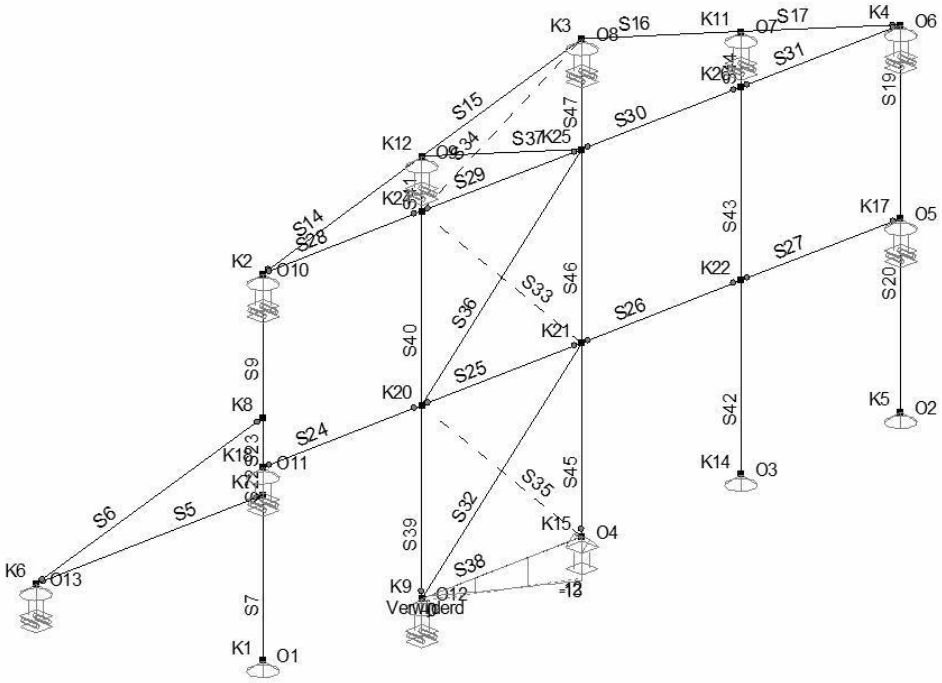
AFB. FU.C.8 TEGENDRUK Fundamenteel Belastingscombinaties



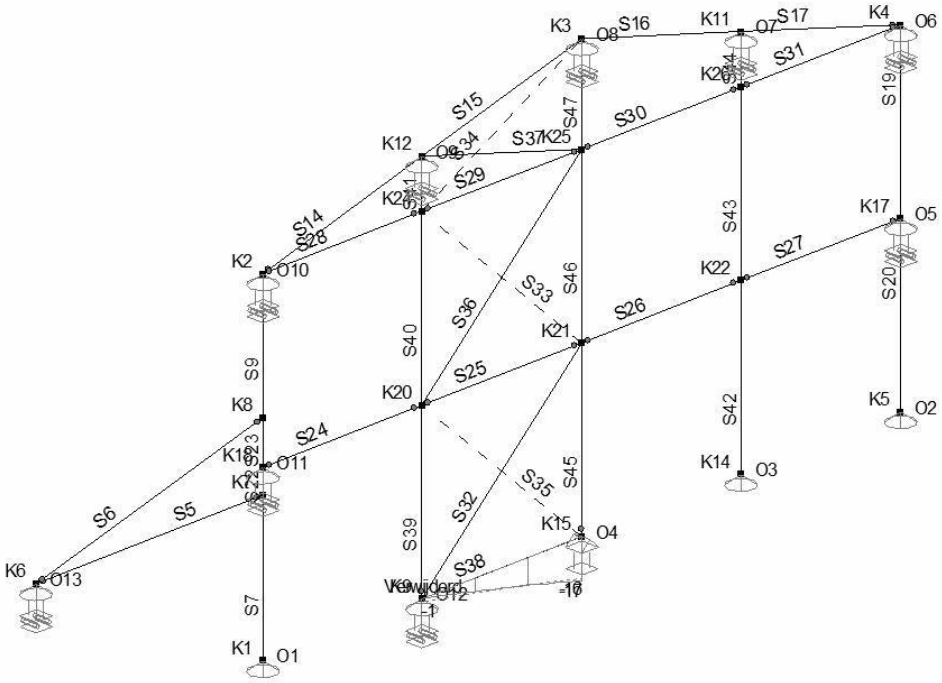
AFB. FU.C.9 TEGENDRUK Fundamenteel Belastingscombinaties



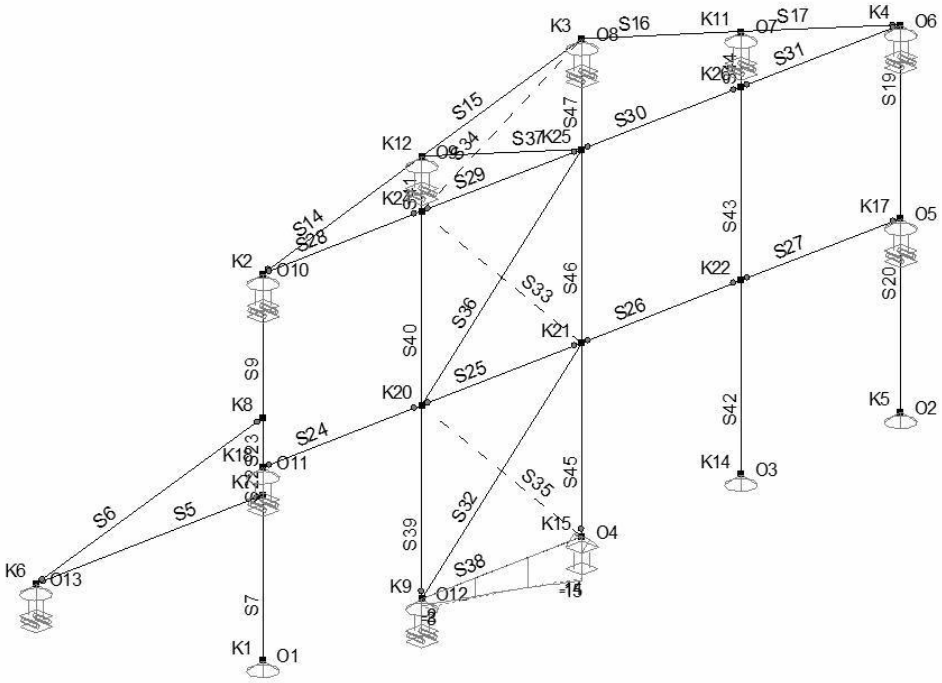
AFB. FU.C.10 TEGENDRUK Fundamenteel Belastingscombinaties



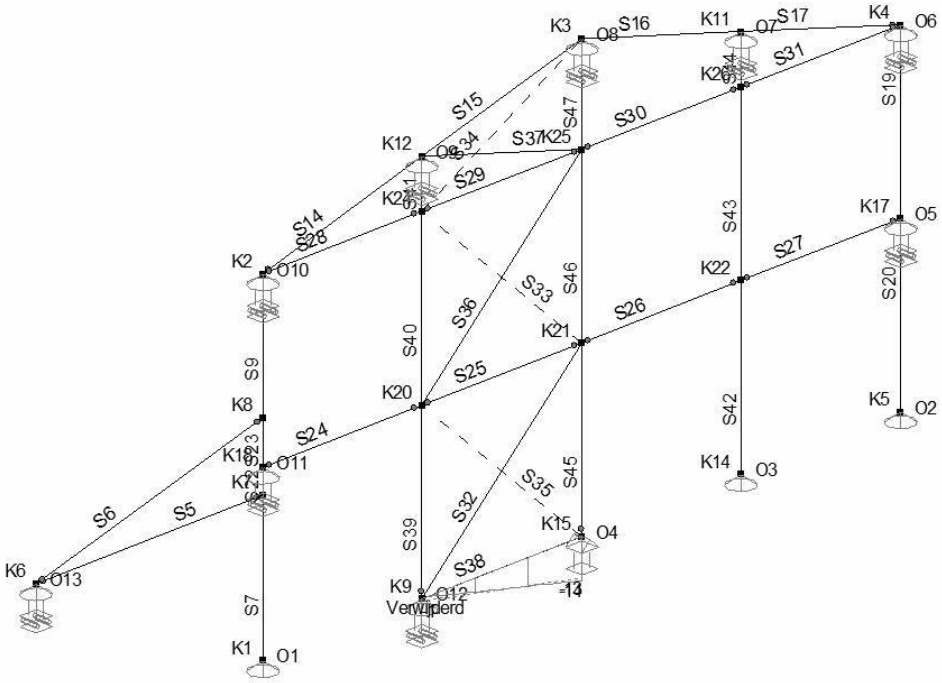
AFB. FU.C.11 TEGENDRUK Fundamenteel Belastingscombinaties



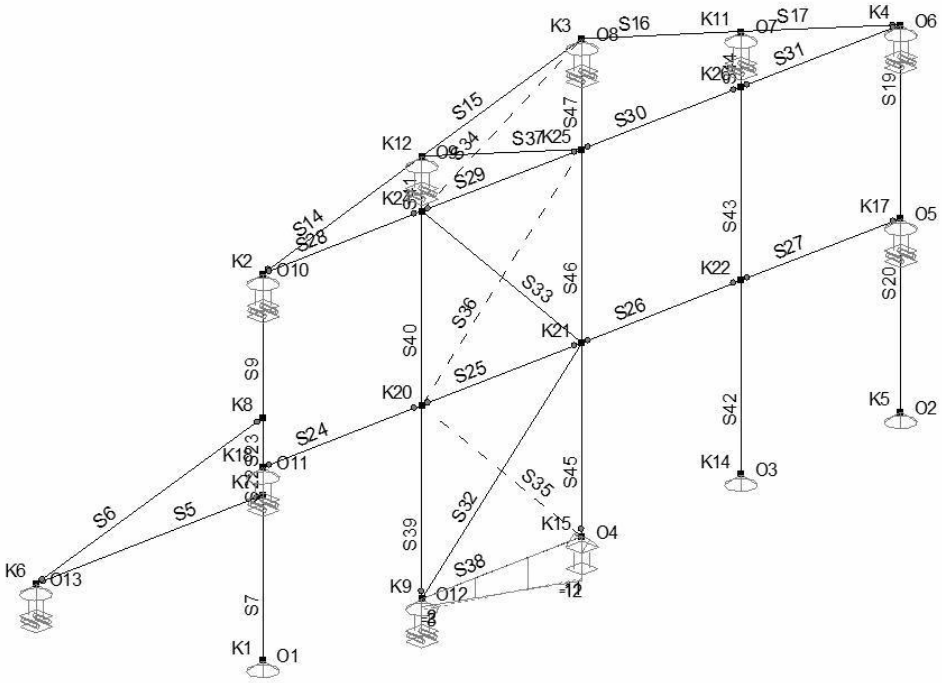
AFB. FU.C.12 TEGENDRUK Fundamenteel Belastingscombinaties



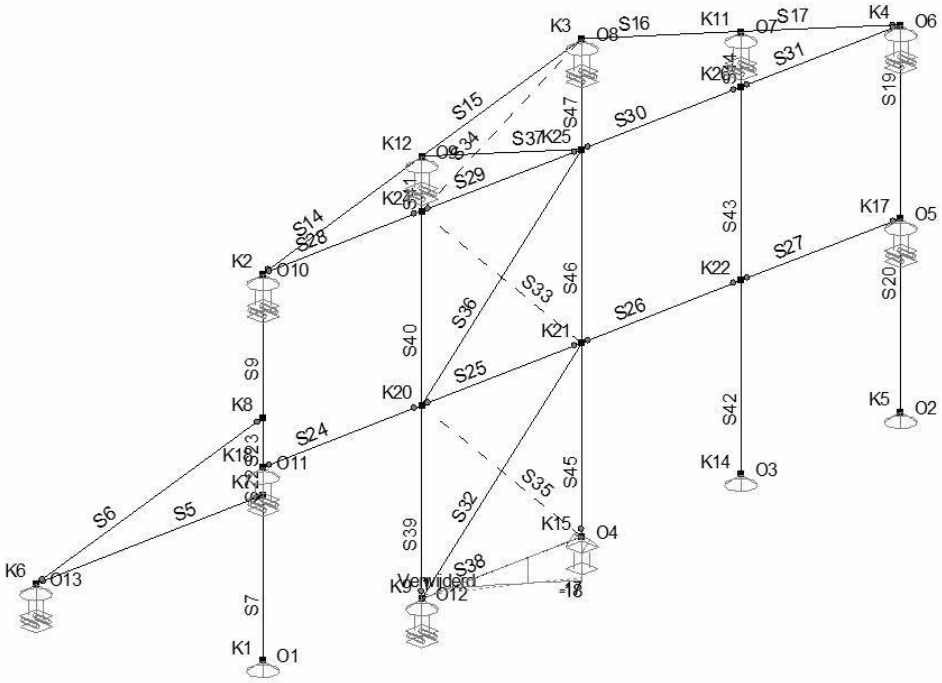
AFB. FU.C.13 TEGENDRUK Fundamenteel Belastingscombinaties



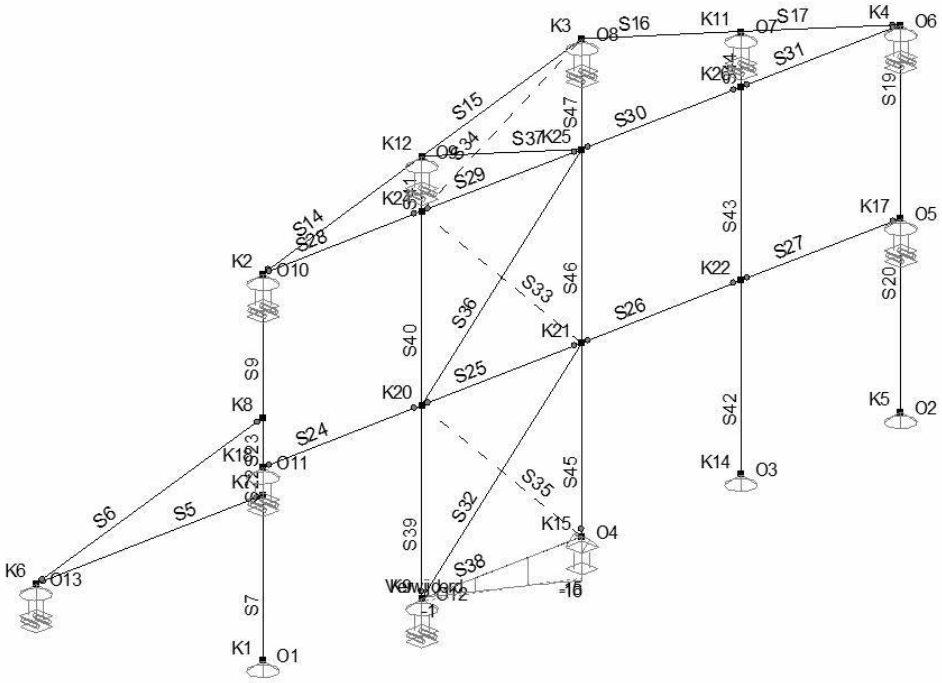
AFB. FU.C.14 TEGENDRUK Fundamenteel Belastingscombinaties



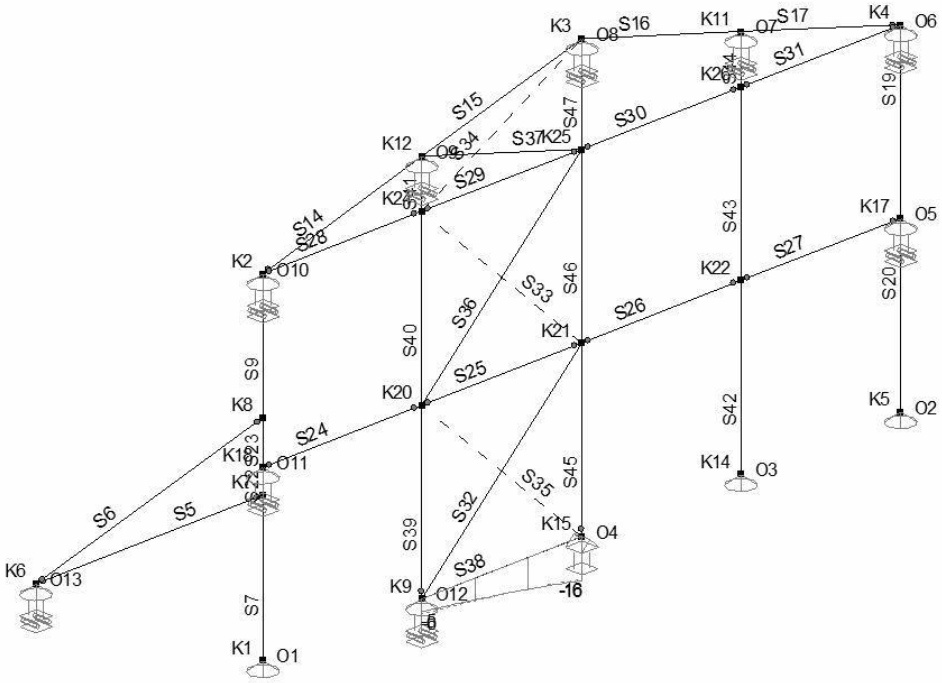
AFB. FU.C.15 TEGENDRUK Fundamenteel Belastingscombinaties



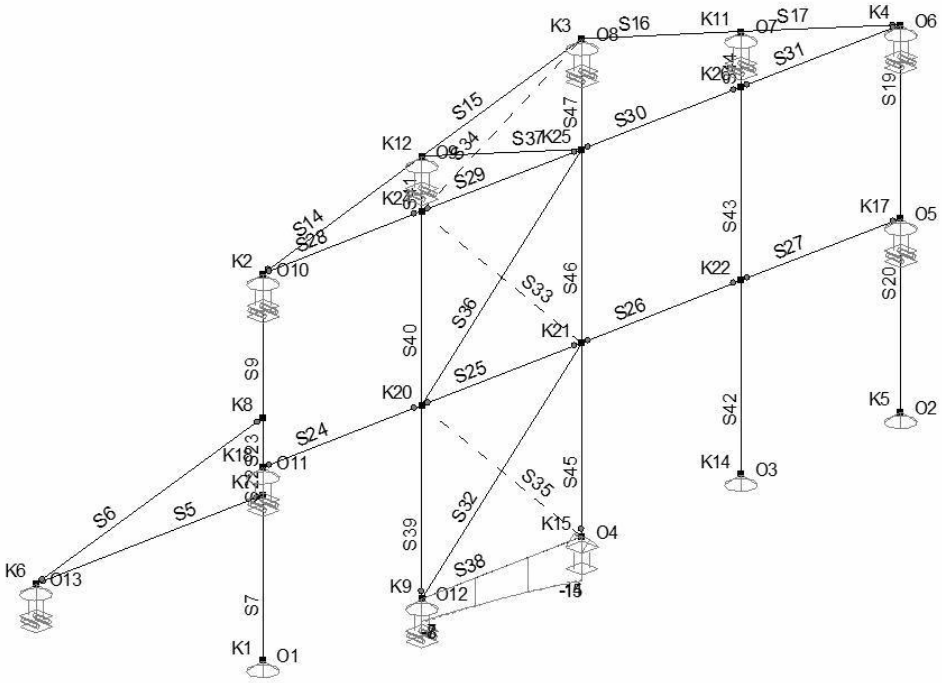
AFB. FU.C.16 TEGENDRUK Fundamenteel Belastingscombinaties

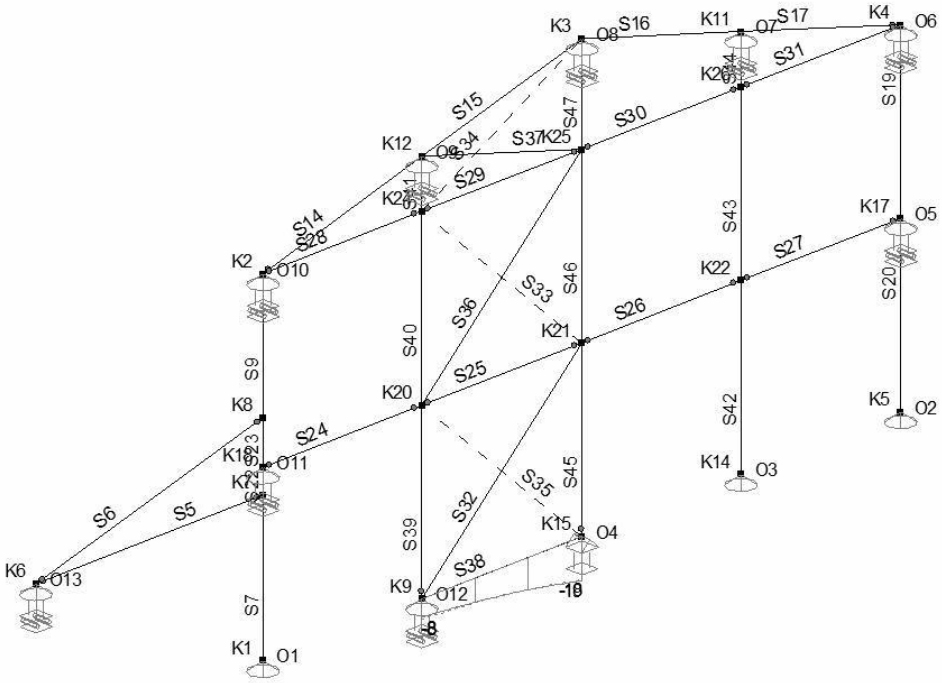


AFB. FU.C.17 TEGENDRUK Fundamenteel Belastingscombinaties

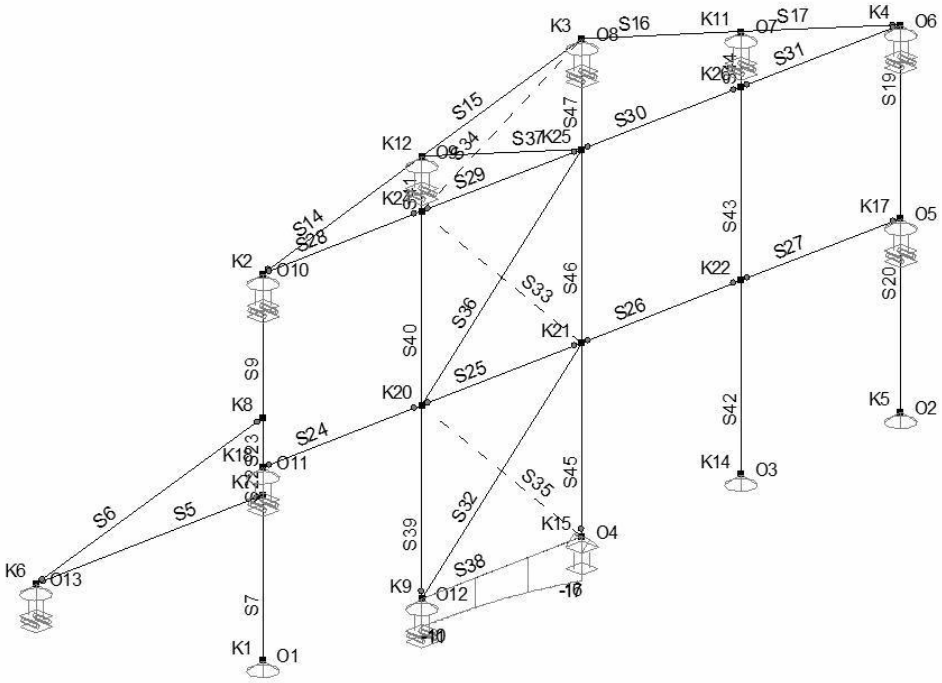


AFB. FU.C.18 TEGENDRUK Fundamenteel Belastingscombinaties

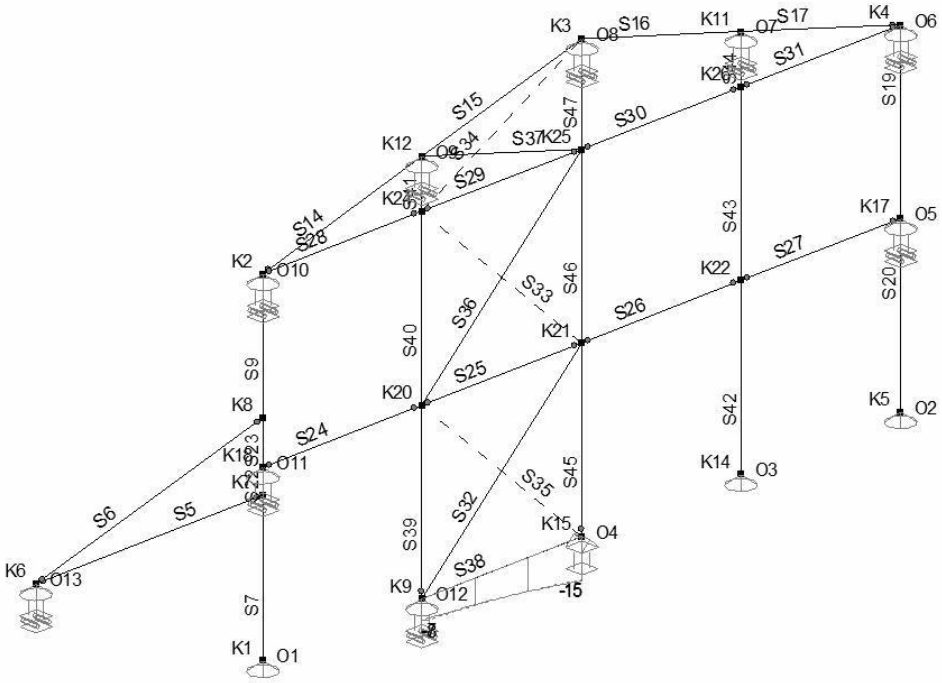



K3
O8
S16
K11
O7
S17
K4
O6
S31
S19
K20
S15
S47
S30
K12
O9
S34
S37
K25
S29
K21
S14
S28
S43
K17
O5
K2
O10
S46
S33
S27
K22
S20
S36
S26
S40
K21
S9
S25
K20
K8
S24
S42
K5
O2
K18
O11
K14
O3
S6
S5
S45
S35
S32
K15
O4
S39
S38
K6
O13
K9
O12
S7
K1
O1

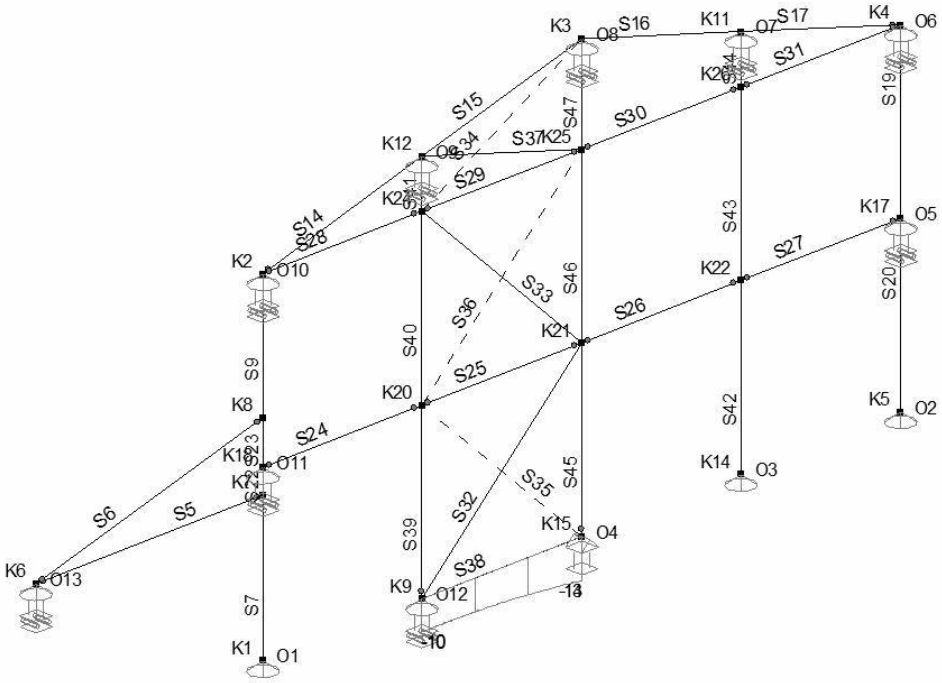
AFB. FU.C.20 TEGENDRUK Fundamenteel Belastingscombinaties



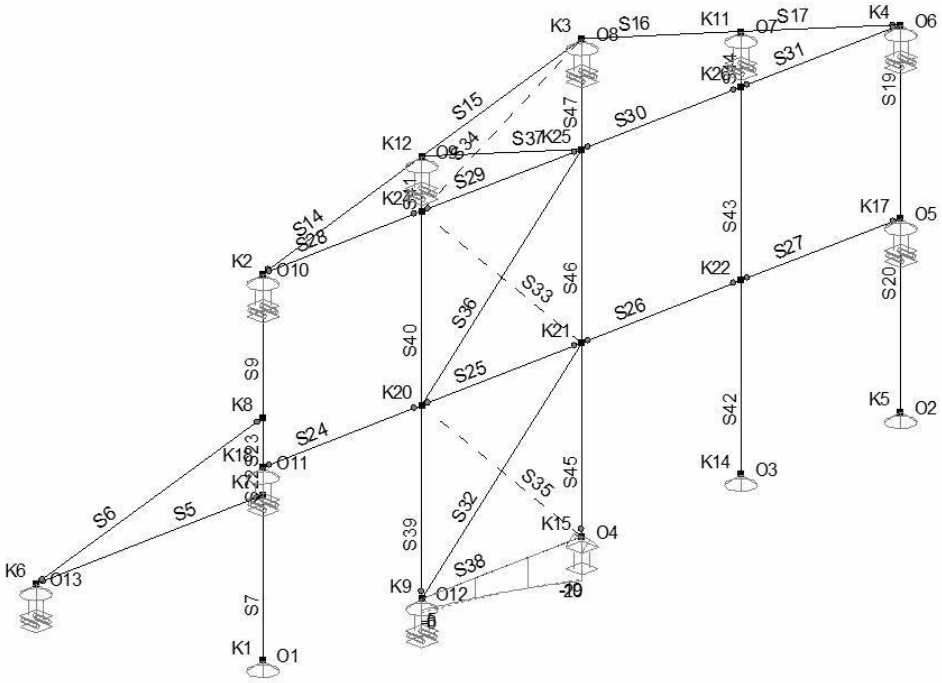
AFB. FU.C.21 TEGENDRUK Fundamenteel Belastingscombinaties



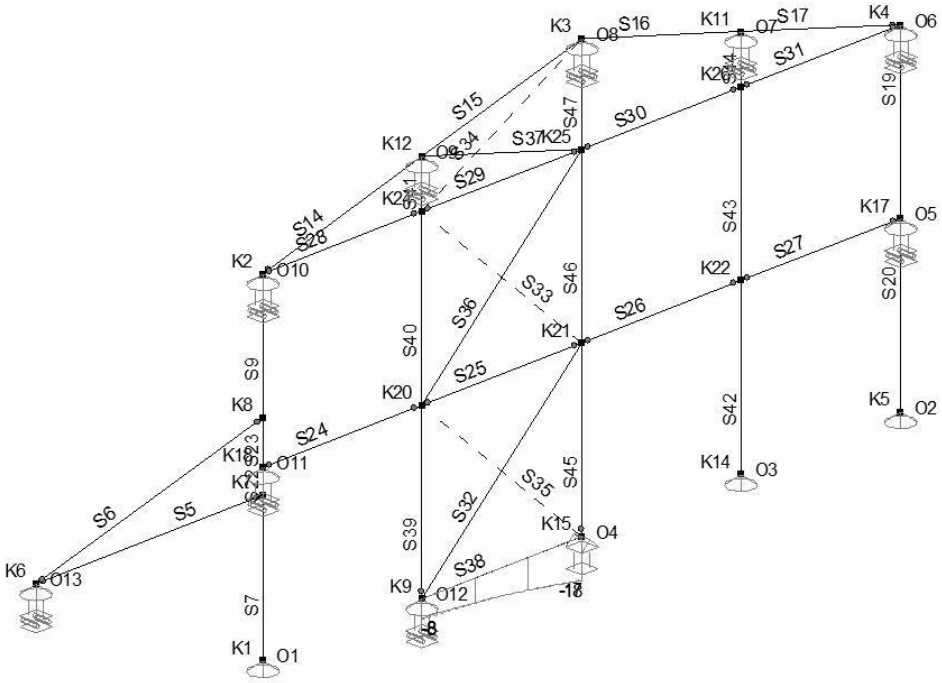
AFB. FU.C.22 TEGENDRUK Fundamenteel Belastingscombinaties



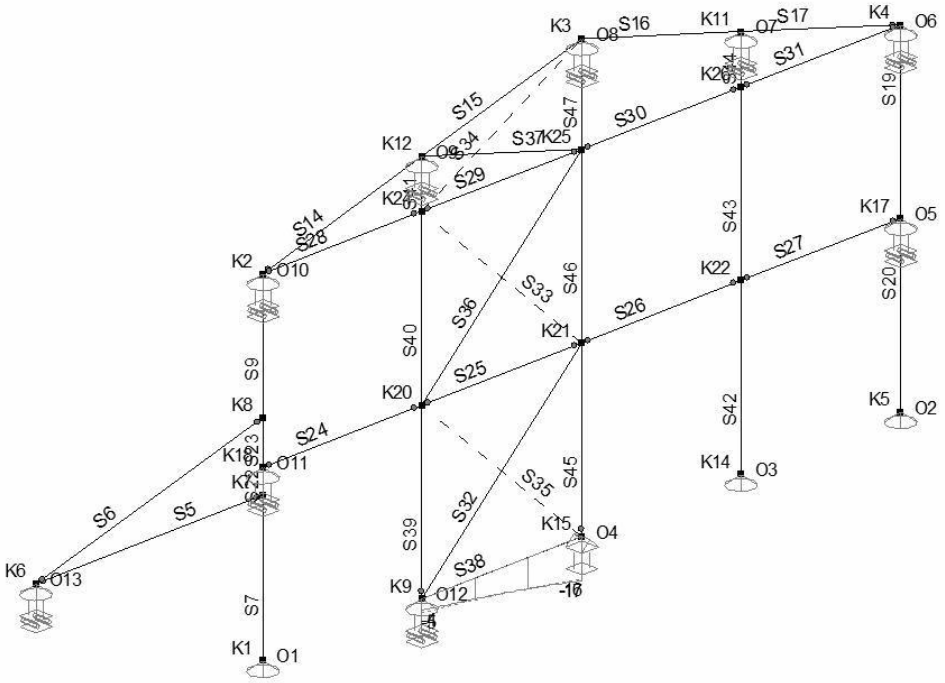
AFB. FU.C.23 TEGENDRUK Fundamenteel Belastingscombinaties



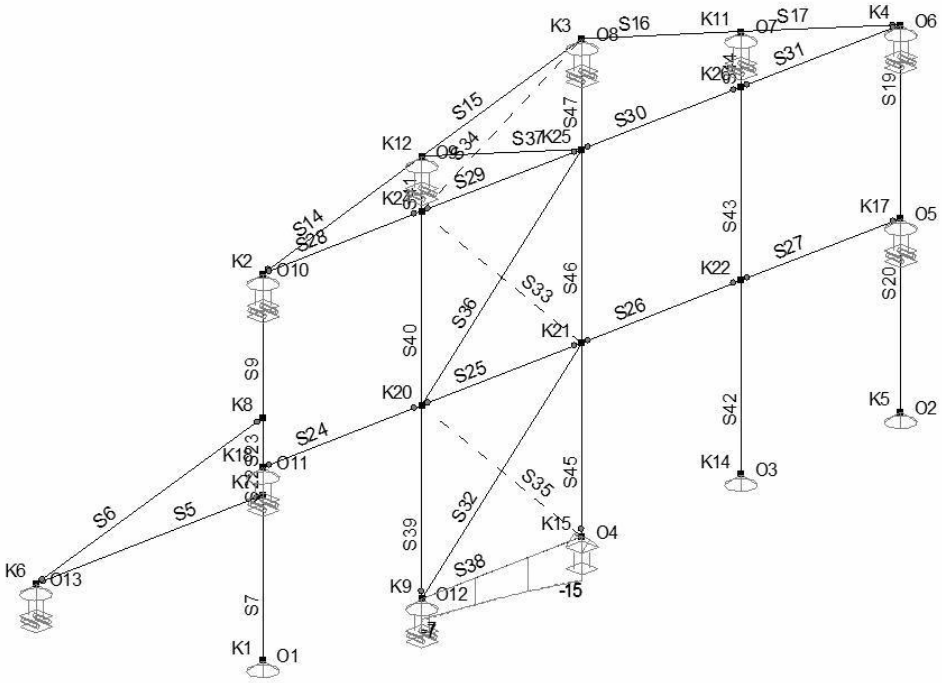
AFB. FU.C.24 TEGENDRUK Fundamenteel Belastingscombinaties



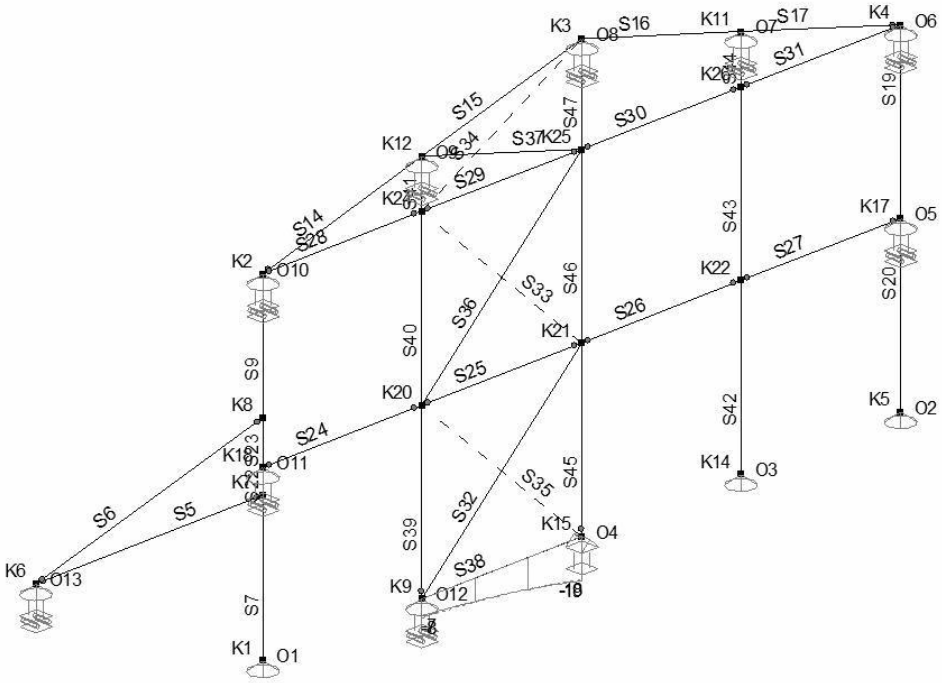
AFB. FU.C.25 TEGENDRUK Fundamenteel Belastingscombinaties



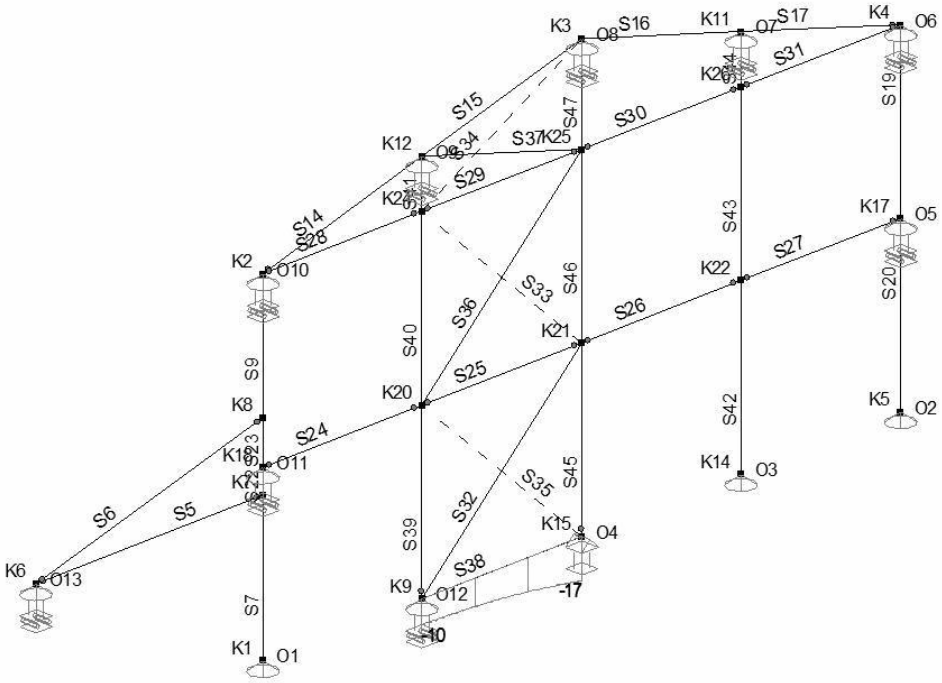
AFB. FU.C.26 TEGENDRUK Fundamenteel Belastingscombinaties



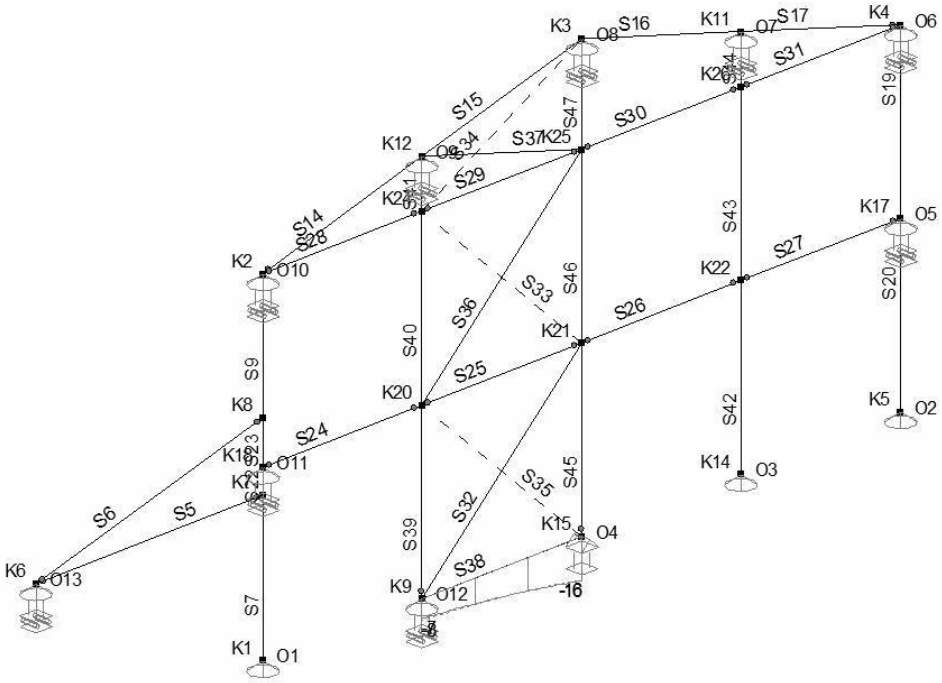
AFB. FU.C.27 TEGENDRUK Fundamenteel Belastingscombinaties



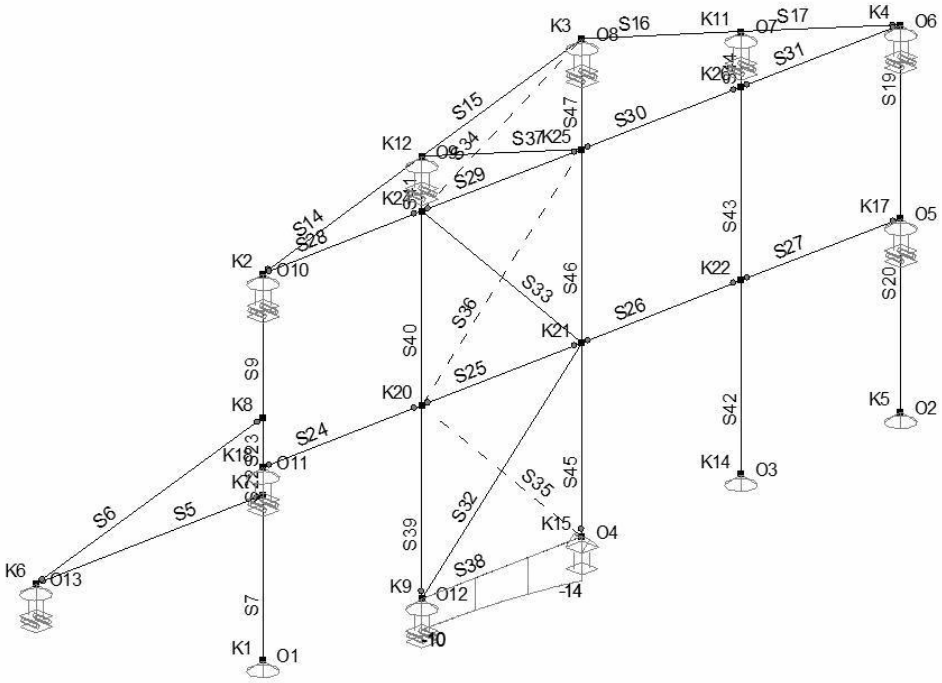
AFB. FU.C.28 TEGENDRUK Fundamenteel Belastingscombinaties



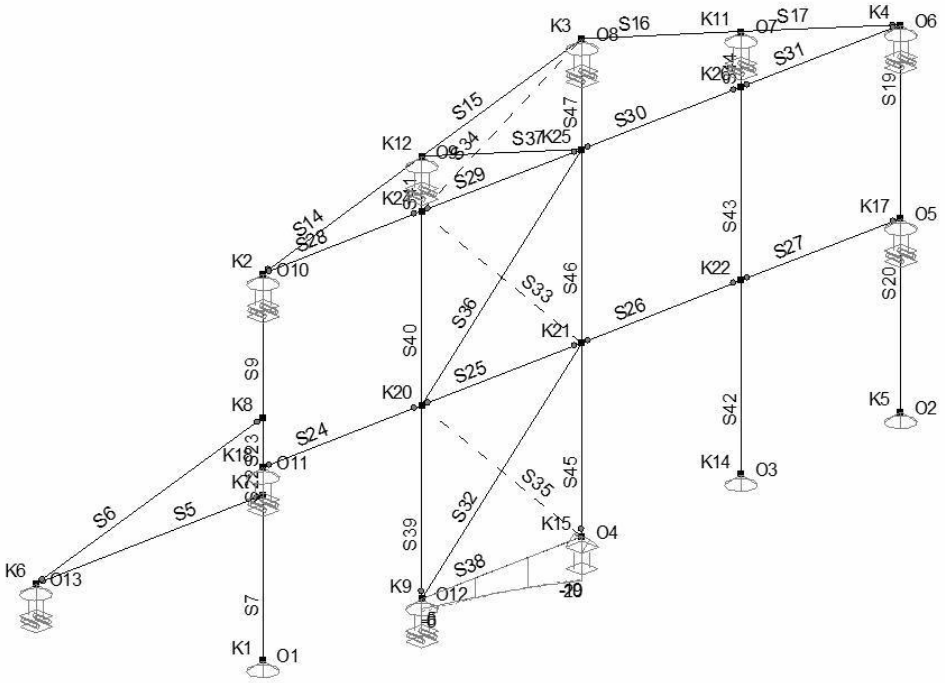
AFB. FU.C.29 TEGENDRUK Fundamenteel Belastingscombinaties



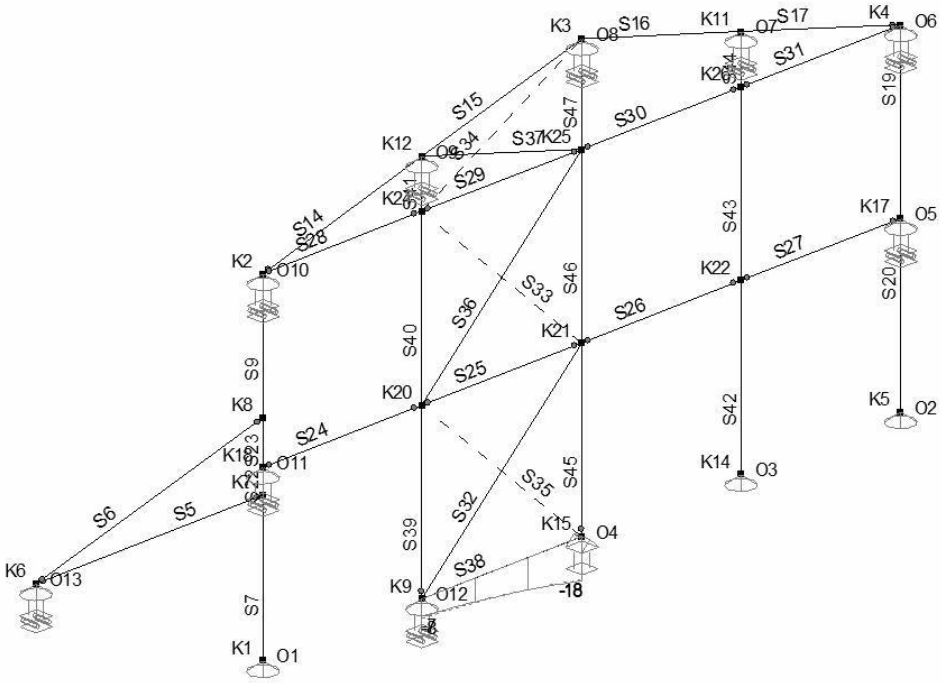
AFB. FU.C.30 TEGENDRUK Fundamenteel Belastingscombinaties



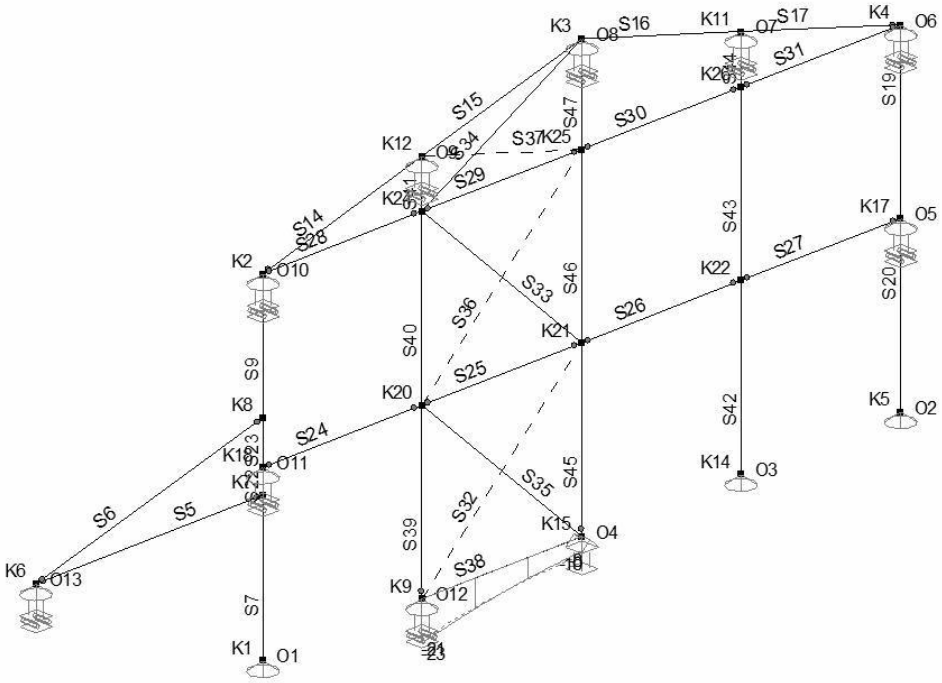
AFB. FU.C.31 TEGENDRUK Fundamenteel Belastingscombinaties



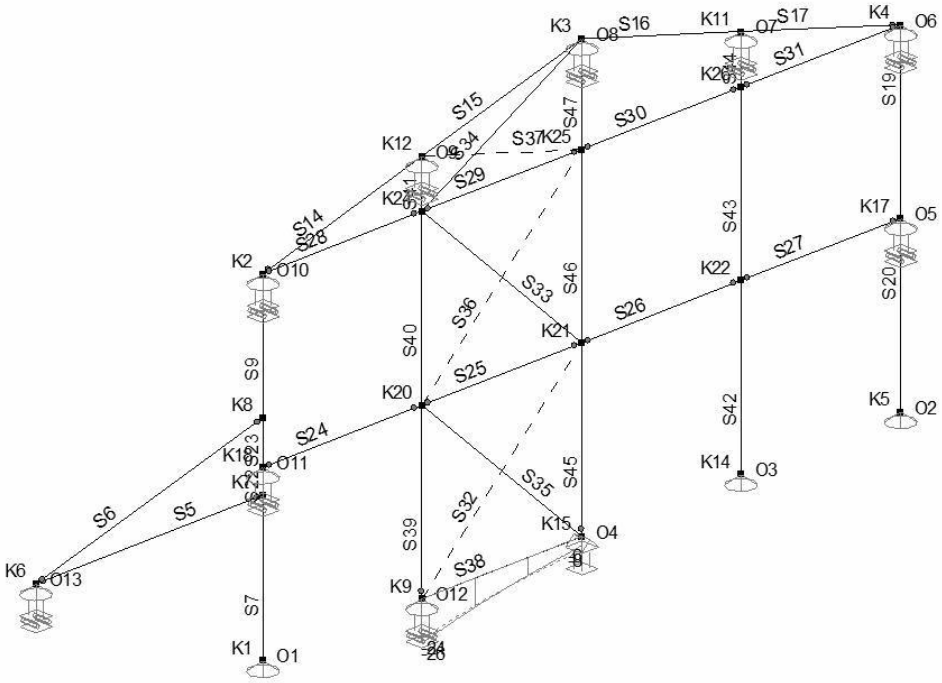
AFB. FU.C.32 TEGENDRUK Fundamenteel Belastingscombinaties



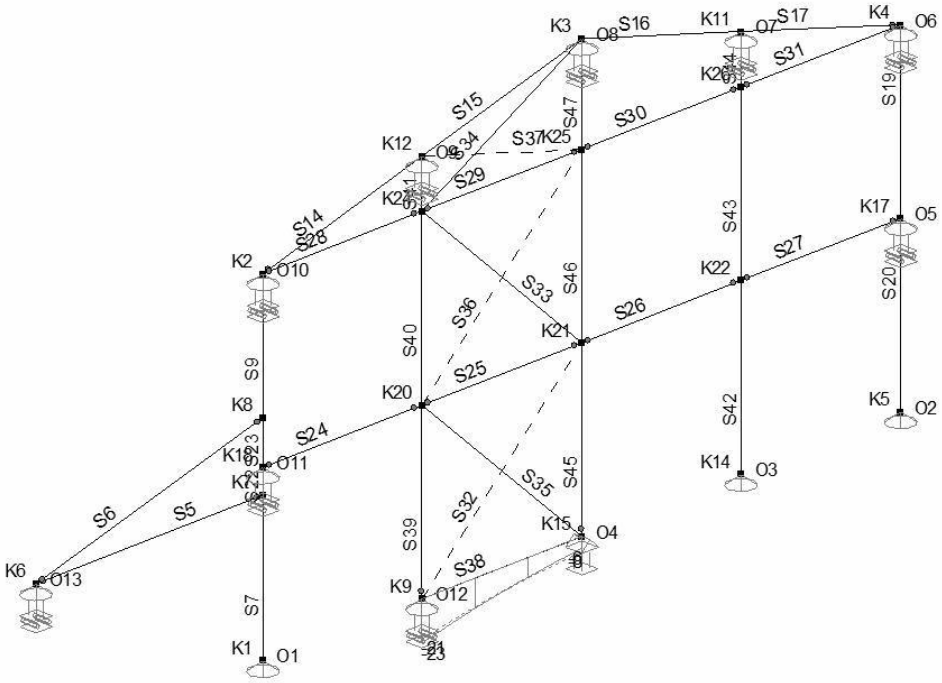
AFB. FU.C.33 TEGENDRUK Fundamenteel Belastingscombinaties



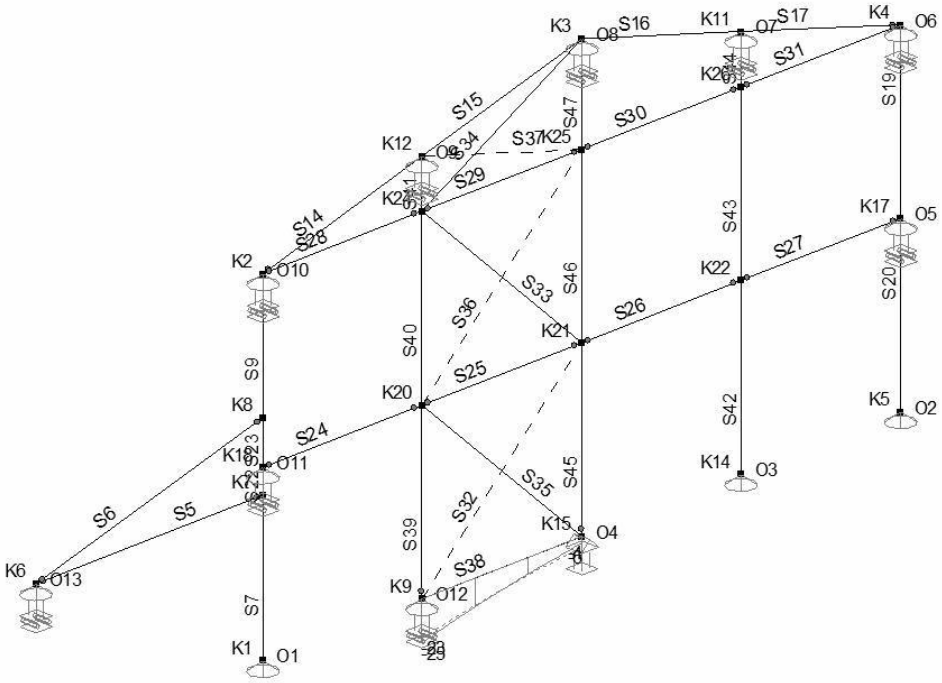
AFB. FU.C.34 TEGENDRUK Fundamenteel Belastingscombinaties



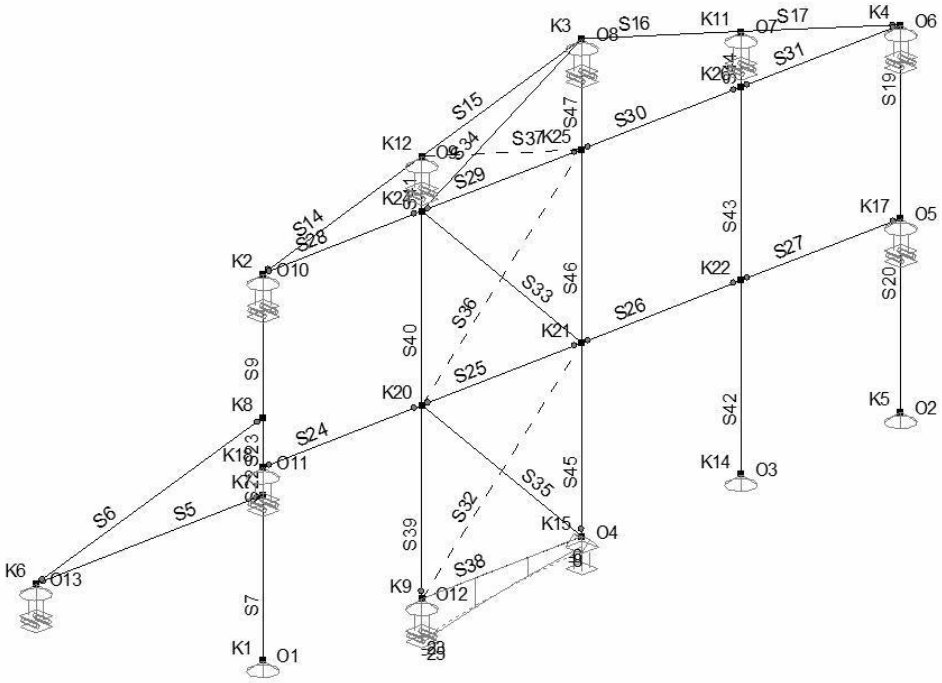
AFB. FU.C.35 TEGENDRUK Fundamenteel Belastingscombinaties

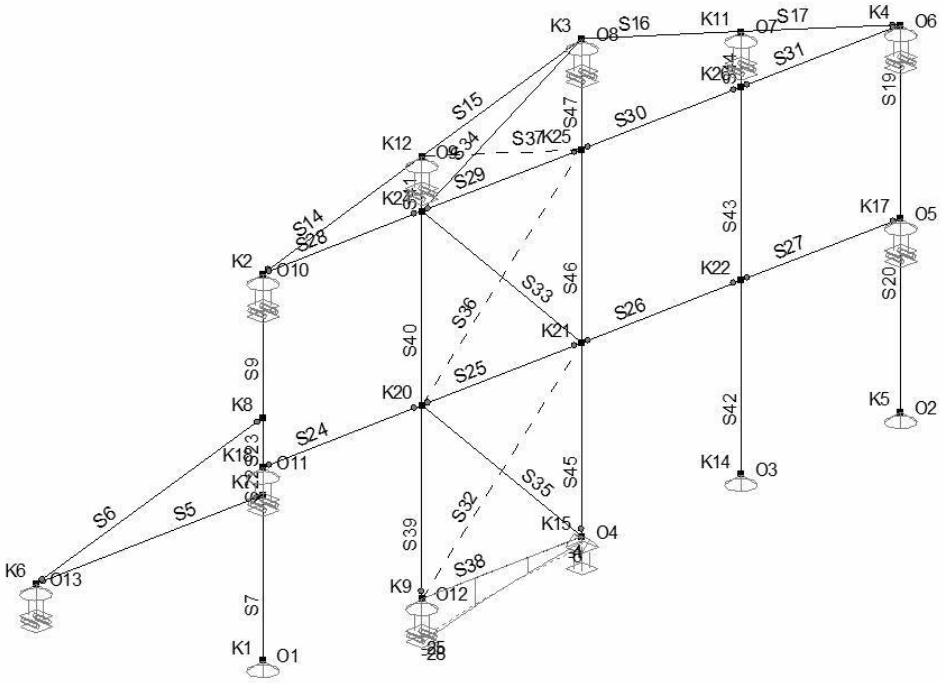


AFB. FU.C.36 TEGENDRUK Fundamenteel Belastingscombinaties

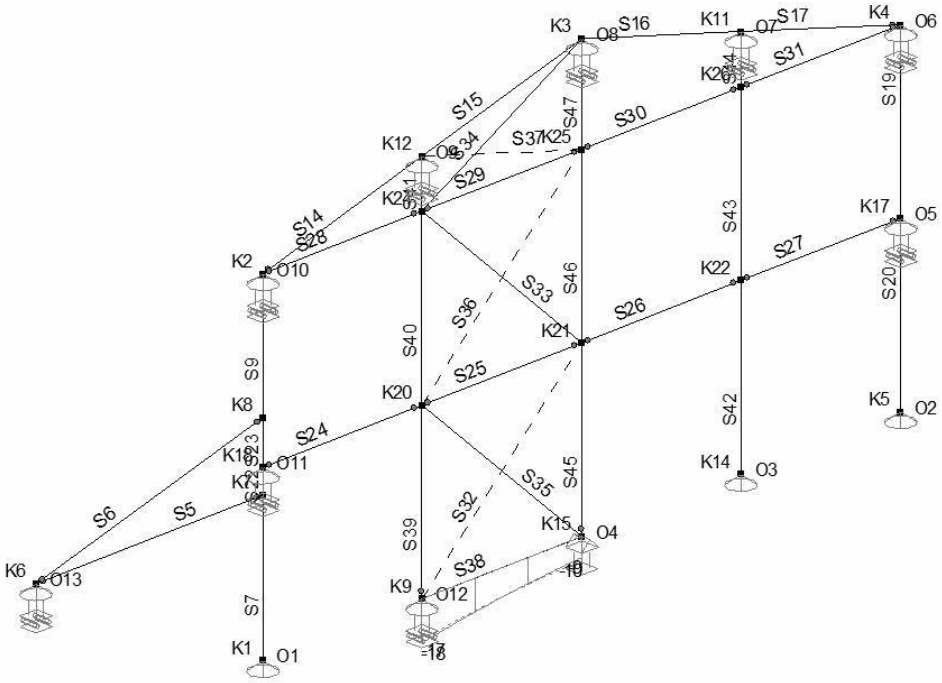


AFB. FU.C.37 TEGENDRUK Fundamenteel Belastingscombinaties

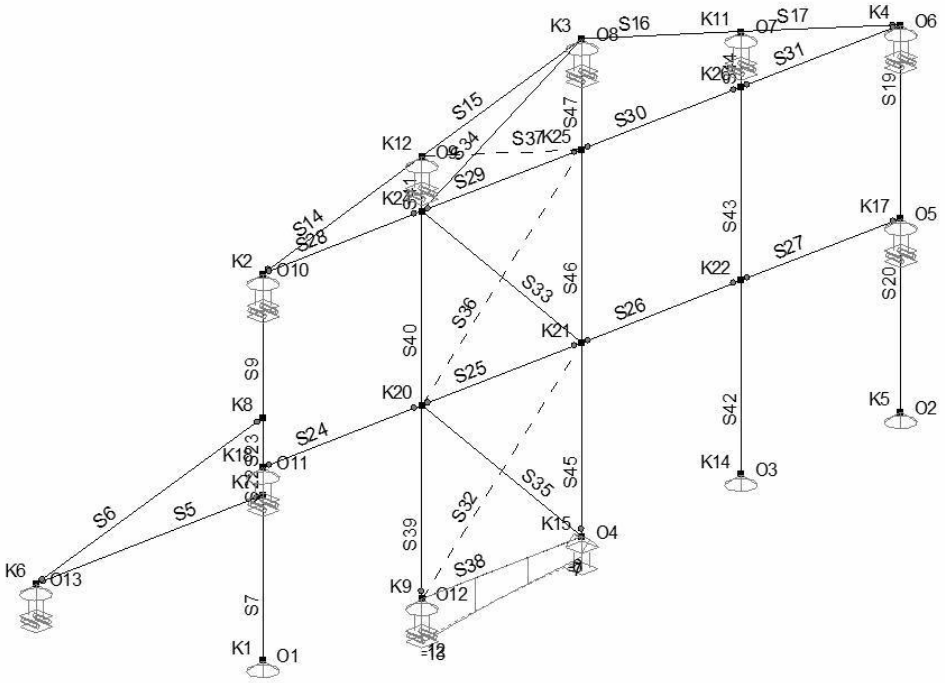



K3
O8
S16
K11
O7
S17
K4
O6
S31
S19
K20
S15
S47
S30
K12
O9
S34
S37
K25
S29
K21
S14
S28
S43
K17
O5
K2
O10
S46
S27
K22
S20
S33
S36
S26
K21
S40
S9
S25
K20
K8
S24
S42
K5
O2
K18
O11
K14
O3
K7
S6
S5
S35
S45
S32
K15
O4
S39
K6
O13
S38
K9
O12
S7
K1
O1

AFB. FU.C.39 TEGENDRUK Fundamenteel Belastingscombinaties



AFB. FU.C.40 TEGENDRUK Fundamenteel Belastingscombinaties

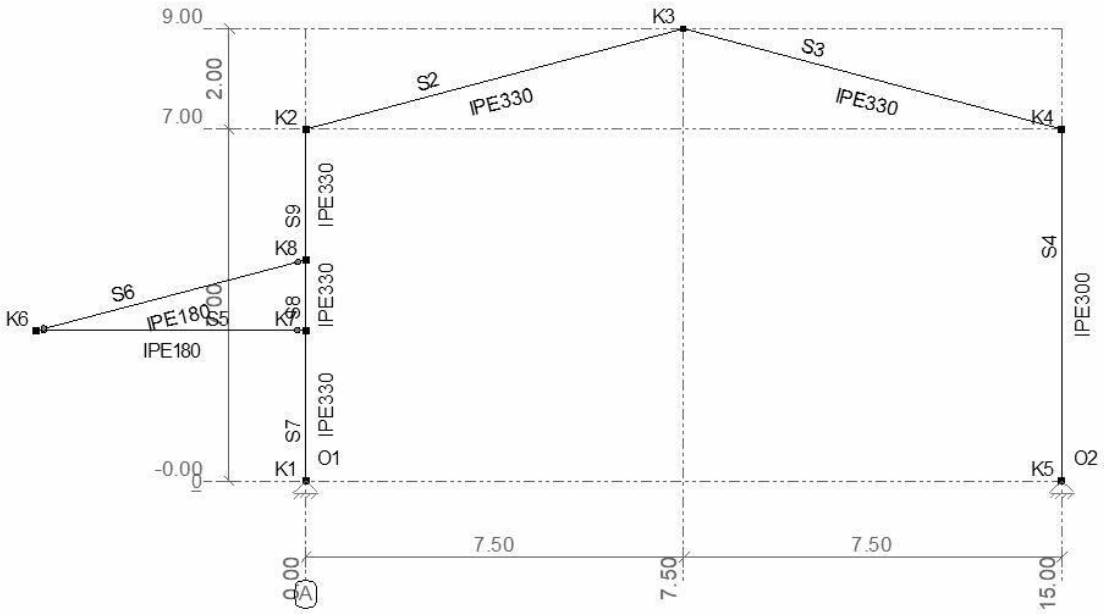


SPANT AS B EN C

h.o.h. = 5000mm,

belasting wordt door programma gegenereerd.

AFB. GEOMETRIE



STAVEN

Staaf	Knoop B	Knoop E	X-B	Z-B	X-E	Z-E	Lengte	Profiel	Positie
S2	K2	K3	0,00	-7,00	7,50	-9,00	7,76	P4	0,00 - L(7,76)
S3	K3	K4	7,50	-9,00	15,00	-7,00	7,76	P4	0,00 - L(7,76)
S4	K4	K5	15,00	-7,00	15,00	0,00	7,00	P3	0,00 - L(7,00)
S5	K7	K6	0,00	-3,00	-5,35	-3,00	5,35	P2	0,00 - L(5,35)
S6	K6	K8	-5,35	-3,00	0,00	-4,40	5,53	P2	0,00 - L(5,53)
S7	K1	K7	0,00	0,00	0,00	-3,00	3,00	P4	0,00 - L(3,00)
S8	K7	K8	0,00	-3,00	0,00	-4,40	1,40	P4	0,00 - L(1,40)
S9	K8	K2	0,00	-4,40	0,00	-7,00	2,60	P4	0,00 - L(2,60)

PROFIELEN

Profiel	Profielnaam	Oppervlakte	Iy	Materiaal	Hoek
P2	IPE180	2.3947e-03	1.3170e-05	S235	0,0
P3	IPE300	5.3812e-03	8.3561e-05	S235	0,0
P4	IPE330	6.2606e-03	1.1767e-04	S235	0,0

MATERIALEN

Materiaal	Dichtheid	E-Modulus	Uitzettingcoeff
S235	78.50	2.1000e+08	12.0000e-06

OPLEGGINGEN

Oplegging	Object	Positie	X	Z	Yr	HoekYr
O1	K1	0,00	Vast	Vast	Vrij	0
O2	K5	0,00	Vast	Vast	Vrij	0

GEWICHTSBEREKENING

Index	Staven	Berekening	Waarde	Eenhede
Gemeenschappelijk				
	Belastingen en vervormingen	NEN-EN1991		

Lsys1	Systeemmaat	5.00	5,00 [m]
Height1	Totale hoogte van constructie	9.00	9,00 [m]
Width1	Totale diepte van constructie	20.35	20,35 [m]
Width2	Totale breedte van constructie	20.00	20,00 [m]
LR1 (Permanente Belasting)			
	Permanente Belasting	NEN-EN1991-1-1:2011/NB:2011	

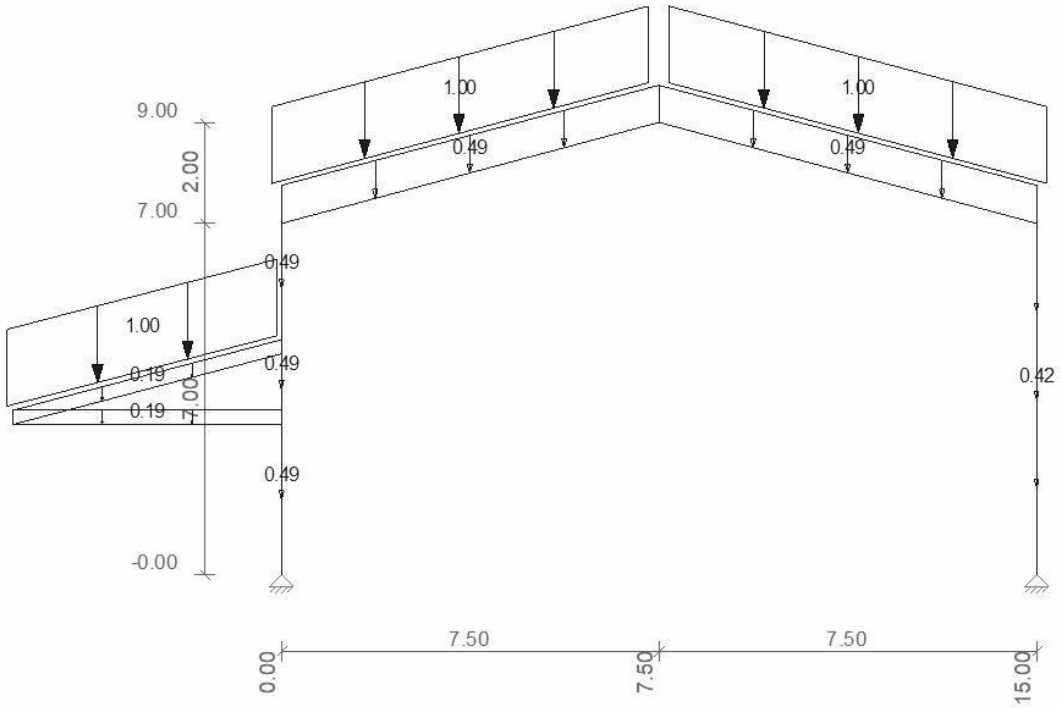
Index	Staven	Berekening	Waarde Eenheden
LR1 (Permanente Belasting)			
	Hellend dak (S2,S3,S6)		
Pp1	Stalen dak + windvb	0.20	0,20 [kN/m²]
q1	Permanente Belasting	Pp1*Lsys1	1,00 [kN/m]
LR2 (Windbelasting Algemeen)			
	Windbelasting Algemeen	NEN-EN1991-1-4:2011/NB:2011	
Width3	Gemiddelde breedte (b)	5.00	5,00 [m]
Height2	Totale hoogte van constructie	9.00	9,00 [m]
Z1	Referentiehoogte	0.6*Height2	5,40 [m]
Region1	Regio	3	3,00
Cat1	Terrein	Onbebouwd	2,00
Co1	Orthografie factor (C0)	1.00	1,00
CsCd1	Constructie factor (CsCd)	1.00	1,00
C1	Correlatie factor	0.85	0,85
LR3 (Windbelasting van Links + Overdruk)			
	Windbelasting van Links + Overdruk	NEN-EN1991-1-4:2011/NB:2011	
A1	Belast oppervlak (A)	45.00	45,00 [m²]
Cpe1	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.44)	0,80
Cpi1	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe1,Openingen=0.00,Over=True)	0,20
Z2	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8	9.00	9,00 [m]
Qp1	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z2,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]
Cpe2	Vertikale wand; Druk coefficient (Cpe): S1,S4	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.44)	0,80
q2	Vertikale wand; Verdeelde element belasting (q): S1,S4	(Qp1*Cpe2*CsCd1) * Lsys1	2,71 [kN/m]
Cpe3	Vertikale wand; Druk coefficient (Cpe): S1,S4	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=E,hd=0.44)	-0,50
C2	Vertikale wand; Druk coefficient (Cpe) incl. correlatiefactor: S1,S4	(Cpe2-Cpe3) * C1	1,11
q3	Vertikale wand; Verdeelde element belasting (q): S1,S4	(Qp1*(Cpe3+C2)*CsCd1) * Lsys1	2,05 [kN/m]
q4	Interne druk; Verdeelde element belasting (q)	(Cpi1*Qp1) * Lsys1	0,68 [kN/m]
Cpe4	Zadeldak; Druk coefficient (Cpe): S2	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=H,Hoek=14.93)	-0,30
q5	Zadeldak; Verdeelde element belasting (q): S2	(Qp1*Cpe4*CsCd1) * Lsys1	-1,02 [kN/m]
Cpe5	Zadeldak; Druk coefficient (Cpe): S3	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=J,Hoek=14.93)	-0,99
q6	Zadeldak; Verdeelde element belasting (q): S3	(Qp1*Cpe5*CsCd1) * Lsys1	-3,35 [kN/m]
Cpe6	Zadeldak; Druk coefficient (Cpe): S3	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=I,Hoek=14.93)	-0,40
q7	Zadeldak; Verdeelde element belasting (q): S3	(Qp1*Cpe6*CsCd1) * Lsys1	-1,36 [kN/m]
q8	Vertikale wand; Verdeelde element belasting (q): S4	(Qp1*Cpe3*CsCd1) * Lsys1	-1,69 [kN/m]
q9	Vertikale wand; Verdeelde element belasting (q): S4	(Qp1*(Cpe2-C2)*CsCd1) * Lsys1	-1,03 [kN/m]
LR4 (Windbelasting van Links + Overdruk (2e Cpe))			
	Windbelasting van Links + Overdruk (2e Cpe)	NEN-EN1991-1-4:2011/NB:2011	
A2	Belast oppervlak (A)	45.00	45,00 [m²]
Cpe7	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.44)	0,80
Cpi2	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe7,Openingen=0.00,Over=True)	0,20
Z3	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8	9.00	9,00 [m]
Qp2	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z3,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]
Cpe8	Vertikale wand; Druk coefficient (Cpe): S1,S4	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.44,Eerst=False)	0,80
q10	Vertikale wand; Verdeelde element belasting (q): S1,S4	(Qp2*Cpe8*CsCd1) * Lsys1	2,71 [kN/m]
Cpe9	Vertikale wand; Druk coefficient (Cpe): S1,S4	NEN-EN1991-1-4#7.2(Dak=Wand,	-0,50

		Zone=E,hd=0.44,Eerst=False)	
C3	Vertikale wand; Druk coefficient (Cpe) incl. correlatiefactor: S1,S4	(Cpe8-Cpe9) * C1	1,11
q11	Vertikale wand; Verdeelde element belasting (q): S1,S4	(Qp2*(Cpe9+C3)*CsCd1) * Lsys1	2,05 [kN/m]
q12	Interne druk; Verdeelde element belasting (q)	(Cpi2*Qp2) * Lsys1	0,68 [kN/m]
Index	**Staven**	**Berekening**	**Waarde Eenhede**
LR4 (Windbelasting van Links + Overdruk (2e Cpe))			
Cpe10	Zadeldak; Druk coefficient (Cpe): S2	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=H,Hoek=14.93,Eerst=False)	0,20
q13	Zadeldak; Verdeelde element belasting (q): S2	(Qp2*Cpe10*CsCd1) * Lsys1	0,67 [kN/m]
Cpe11	Zadeldak; Druk coefficient (Cpe): S3	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=J,Hoek=14.93,Eerst=False)	0,00
q14	Zadeldak; Verdeelde element belasting (q): S3	(Qp2*Cpe11*CsCd1) * Lsys1	0,00 [kN/m]
Cpe12	Zadeldak; Druk coefficient (Cpe): S3	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=I,Hoek=14.93,Eerst=False)	0,00
q15	Zadeldak; Verdeelde element belasting (q): S3	(Qp2*Cpe12*CsCd1) * Lsys1	0,00 [kN/m]
q16	Vertikale wand; Verdeelde element belasting (q): S4	(Qp2*Cpe9*CsCd1) * Lsys1	-1,69 [kN/m]
q17	Vertikale wand; Verdeelde element belasting (q): S4	(Qp2*(Cpe8-C3)*CsCd1) * Lsys1	-1,03 [kN/m]
LR5 (Windbelasting van Links + Onderdruk)			
	Windbelasting van Links + Onderdruk	NEN-EN1991-1-4:2011/NB:2011	
A3	Belast oppervlak (A)	45.00	45,00 [m²]
Cpe13	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.44)	-0,50
Cpi3	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe13,Openingen=0.00,Over=False)	-0,30
Z4	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8	9.00	9,00 [m]
Qp3	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z4,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]
Cpe14	Vertikale wand; Druk coefficient (Cpe): S1,S4	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D,hd=0.44)	0,80
q18	Vertikale wand; Verdeelde element belasting (q): S1,S4	(Qp3*Cpe14*CsCd1) * Lsys1	2,71 [kN/m]
Cpe15	Vertikale wand; Druk coefficient (Cpe): S1,S4	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.44)	-0,50
C4	Vertikale wand; Druk coefficient (Cpe) incl. correlatiefactor: S1,S4	(Cpe14-Cpe15) * C1	1,11
q19	Vertikale wand; Verdeelde element belasting (q): S1,S4	(Qp3*(Cpe15+C4)*CsCd1) * Lsys1	2,05 [kN/m]
q20	Interne druk; Verdeelde element belasting (q)	(Cpi3*Qp3) * Lsys1	-1,01 [kN/m]
Cpe16	Zadeldak; Druk coefficient (Cpe): S2	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=H,Hoek=14.93)	-0,30
q21	Zadeldak; Verdeelde element belasting (q): S2	(Qp3*Cpe16*CsCd1) * Lsys1	-1,02 [kN/m]
Cpe17	Zadeldak; Druk coefficient (Cpe): S3	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=J,Hoek=14.93)	-0,99
q22	Zadeldak; Verdeelde element belasting (q): S3	(Qp3*Cpe17*CsCd1) * Lsys1	-3,35 [kN/m]
Cpe18	Zadeldak; Druk coefficient (Cpe): S3	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=I,Hoek=14.93)	-0,40
q23	Zadeldak; Verdeelde element belasting (q): S3	(Qp3*Cpe18*CsCd1) * Lsys1	-1,36 [kN/m]
q24	Vertikale wand; Verdeelde element belasting (q): S4	(Qp3*Cpe15*CsCd1) * Lsys1	-1,69 [kN/m]
q25	Vertikale wand; Verdeelde element belasting (q): S4	(Qp3*(Cpe14-C4)*CsCd1) * Lsys1	-1,03 [kN/m]
LR6 (Windbelasting van Links + Onderdruk (2e Cpe))			
	Windbelasting van Links + Onderdruk (2e Cpe)	NEN-EN1991-1-4:2011/NB:2011	
A4	Belast oppervlak (A)	45.00	45,00 [m²]
Cpe19	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.44)	-0,50
Cpi4	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe19,Openingen=0.00,Over=False)	-0,30
Z5	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8	9.00	9,00 [m]
Qp4	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z5,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]
Cpe20	Vertikale wand; Druk coefficient (Cpe): S1,S4	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D,hd=0.44,Eerst=False)	0,80
q26	Vertikale wand; Verdeelde element belasting (q): S1,S4	(Qp4*Cpe20*CsCd1) * Lsys1	2,71 [kN/m]
Cpe21	Vertikale wand; Druk coefficient (Cpe): S1,S4	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.44,Eerst=False)	-0,50

C5	Vertikale wand; Druk coefficient (Cpe) incl. correlatiefactor: S1,S4	(Cpe20-Cpe21) * C1	1,11
q27	Vertikale wand; Verdeelde element belasting (q): S1,S4	(Qp4*(Cpe21+C5)*CsCd1) * Lsys1	2,05 [kN/m]
q28	Interne druk; Verdeelde element belasting (q)	(Cpi4*Qp4) * Lsys1	-1,01 [kN/m]

Index	Staven	Berekening	Waarde Eenhede
LR6 (Windbelasting van Links + Onderdruk (2e Cpe))			
Cpe22	Zadeldak; Druk coefficient (Cpe): S2	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=H,Hoek=14.93,Eerst=False)	0,20
q29	Zadeldak; Verdeelde element belasting (q): S2	(Qp4*Cpe22*CsCd1) * Lsys1	0,67 [kN/m]
Cpe23	Zadeldak; Druk coefficient (Cpe): S3	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=J,Hoek=14.93,Eerst=False)	0,00
q30	Zadeldak; Verdeelde element belasting (q): S3	(Qp4*Cpe23*CsCd1) * Lsys1	0,00 [kN/m]
Cpe24	Zadeldak; Druk coefficient (Cpe): S3	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=I,Hoek=14.93,Eerst=False)	0,00
q31	Zadeldak; Verdeelde element belasting (q): S3	(Qp4*Cpe24*CsCd1) * Lsys1	0,00 [kN/m]
q32	Vertikale wand; Verdeelde element belasting (q): S4	(Qp4*Cpe21*CsCd1) * Lsys1	-1,69 [kN/m]
q33	Vertikale wand; Verdeelde element belasting (q): S4	(Qp4*(Cpe20-C5)*CsCd1) * Lsys1	-1,03 [kN/m]
LR7 (Windbelasting (luifels))			
	Windbelasting (luifels)	NEN-EN1991-1-4:2011/NB:2011	
A5	Belast oppervlak (A)	180.00	180,00 [m²]
Z6	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8	9.00	9,00 [m]
Qp5	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z6,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]
B1	Luifel breedte	1.00	1,00
	Luifel S6		
Cpnet1	Druk coefficient (Cpnet)	NEN-EN1991-1-4#7.3(Dak=Luifel,Zone=A,h1h=0.41,Naar beneden=True,hd=0.67)	0,70
F1	Geconcentreerde element belasting (F)	(Qp5*Cpnet1*CsCd1) * B1*5.53	2,62 [kN]
Cpnet2	Druk coefficient (Cpnet)	NEN-EN1991-1-4#7.3(Dak=Luifel,Zone=A,h1h=0.41,Naar beneden=False,hd=0.67)	-1,00
F2	Geconcentreerde element belasting (F)	(Qp5*Cpnet2*CsCd1) * B1*5.53	-3,74 [kN]
LR8 (Sneeuwbelasting)			
	Sneeuwbelasting	NEN-EN1991-1-3:2011/NB:2011	
Sk1	Karakteristiek waarde van de sneeuwlast op de grond (Sk)	NEN-EN1991-1-3#4.1(Zone=1)	0,70 [kN/m²]
Ce1	De milieucoefficient (Ce)	NEN-EN1991-1-3#5.2.7()	1,00
Ct1	De thermische coefficient (Ct)	NEN-EN1991-1-3#5.2.8()	1,00
	Zakgootdak, Mu1 Hoek: 14.66, Mu2 Hoek: 14.66; S6		
Mu1	Mu1; Sneeuwbelasting coefficient (Mu)	EN1991-1-3#5.3(Dak=Zakgootdak,Hoek=14.66,Mu=Mu1,Sk=Sk1)	0,80
q34	Verdeelde element belasting (q)	(Sk1*Ce1*Ct1*Mu1) * Lsys1	2,80 [kN/m]
Mu2	Mu2; Sneeuwbelasting coefficient (Mu)	EN1991-1-3#5.3(Dak=Zakgootdak,Hoek=14.66,Mu=Mu2,Sk=Sk1)	1,19
q35	Verdeelde element belasting (q)	(Sk1*Ce1*Ct1*Mu2) * Lsys1	4,17 [kN/m]
	Zadeldak, Mu1 Hoek: 14.93; S2,S3		
Mu3	Mu1; Sneeuwbelasting coefficient (Mu)	EN1991-1-3#5.3(Dak=Hellend,Hoek=14.93,Mu=Mu1,Sk=Sk1)	0,80
q36	Verdeelde element belasting (q)	(Sk1*Ce1*Ct1*Mu3) * Lsys1	2,80 [kN/m]
q37	Verdeelde element belasting (q)	q36*0.50	1,40 [kN/m]

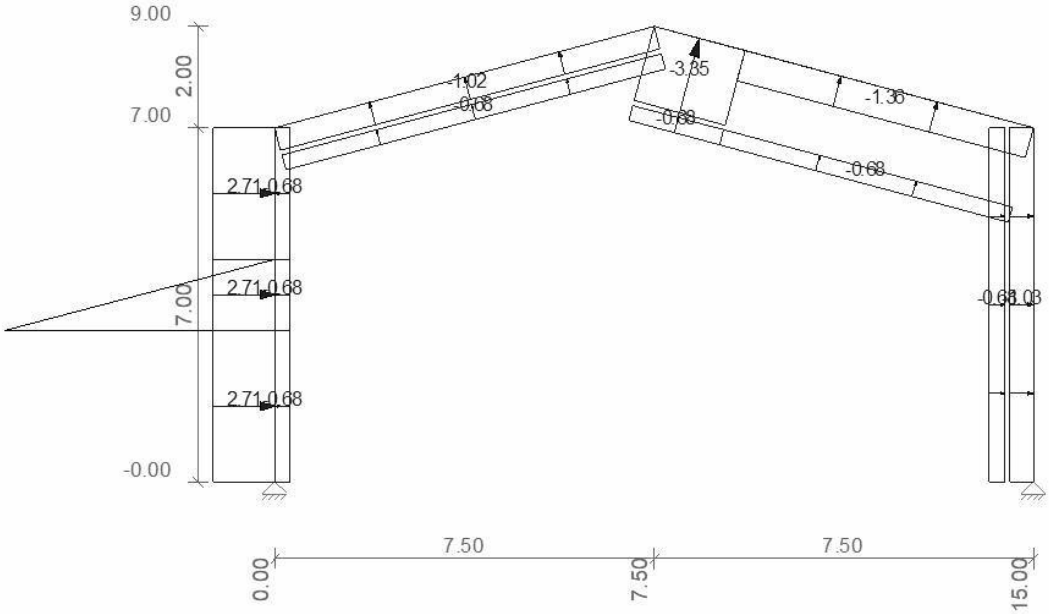
B.G.1: PERMANENTE BELASTING



B.G.1: PERMANENTE BELASTING

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.1: Permanente Belasting					
qG	0,49 (1.00x)	0,49 (1.00x)	0,00	7,76(L)	Z" S2-S3
qG	0,42 (1.00x)	0,42 (1.00x)	0,00	7,00(L)	Z" S4
qG	0,19 (1.00x)	0,19 (1.00x)	0,00	5,35(L)	Z" S5
qG	0,19 (1.00x)	0,19 (1.00x)	0,00	5,53(L)	Z" S6
q	1,00 (q1)	1,00 (q1)	0,00	7,76(L)	Z" S2-S3,S6
qG	0,49 (1.00x)	0,49 (1.00x)	0,00	3,00(L)	Z" S7
qG	0,49 (1.00x)	0,49 (1.00x)	0,00	1,40(L)	Z" S8
qG	0,49 (1.00x)	0,49 (1.00x)	0,00	2,60(L)	Z" S9
Som lasten		**X: 0,00 kN**	**Z: 37,13 kN**		

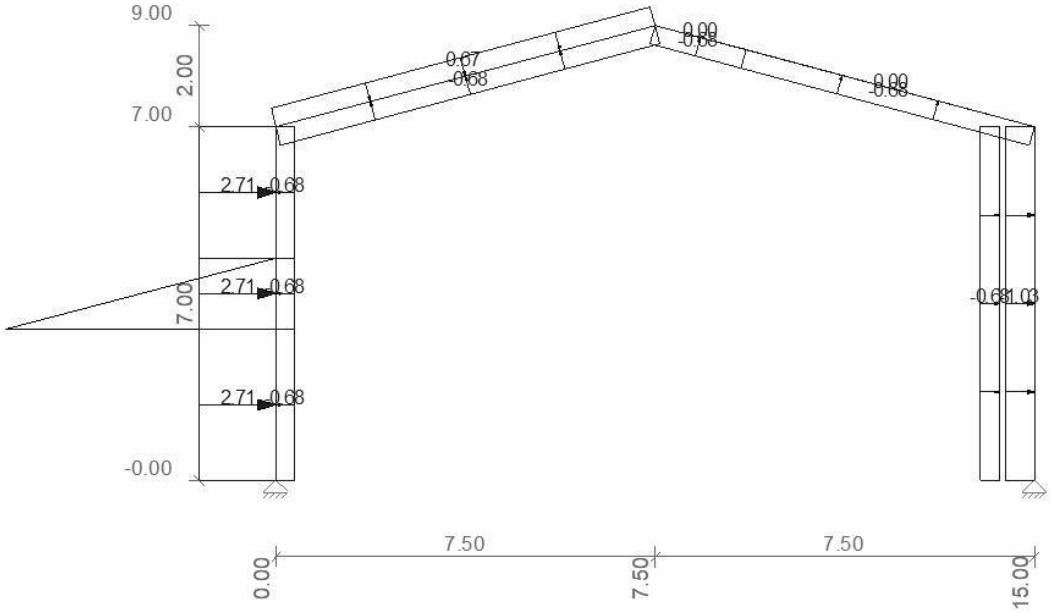
B.G.2: WINDBELASTING VAN LINKS + OVERDRUK



B.G.2: WINDBELASTING VAN LINKS + OVERDRUK

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.2: Windbelasting van Links + Overdruk					
q	-1,02 (q5)	-1,02 (q5)	0,00	7,76(L)	Z' S2
q	-0,68 (-q4)	-0,68 (-q4)	0,00	7,76(L)	Z' S2,S4,S7-S9
q	-3,35 (q6)	-3,35 (q6)	0,00	1,86	Z' S3
q	-0,68 (-q4)	-0,68 (-q4)	0,00	1,86	Z' S3
q	-1,36 (q7)	-1,36 (q7)	1,86	7,76(L)	Z' S3
q	-0,68 (-q4)	-0,68 (-q4)	1,86	7,76(L)	Z' S3
q	-1,03 (q9)	-1,03 (q9)	0,00	7,00(L)	Z' S4
q	2,71 (q2)	2,71 (q2)	0,00	3,00(L)	Z' S7-S9
Som lasten		**X: 27,79 kN**	**Z: -31,59 kN**		

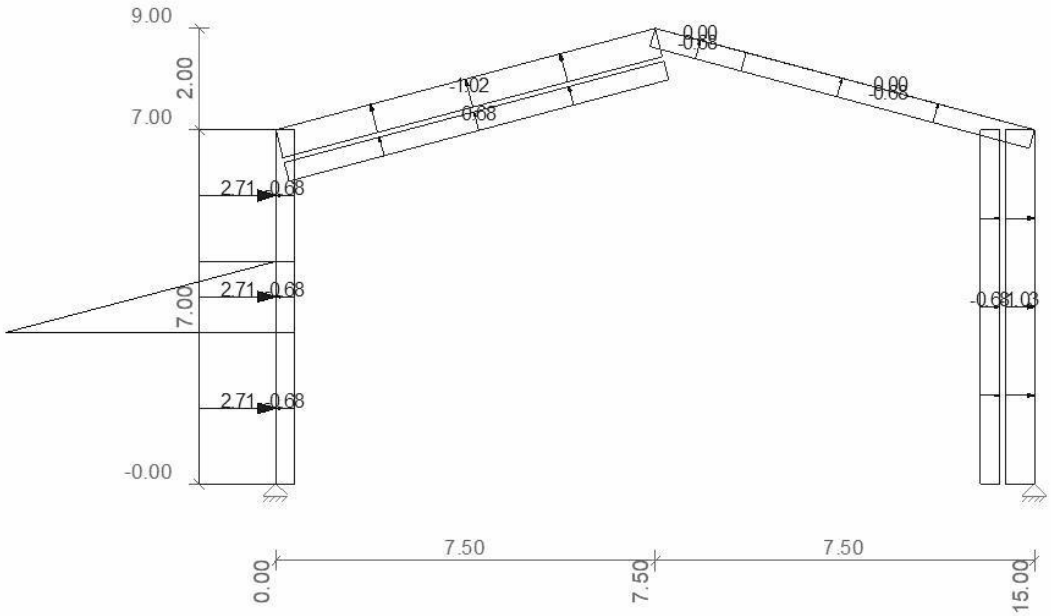
B.G.3: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE)



B.G.3: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.3: Windbelasting van Links + Overdruk (2e Cpe)						
q	0,67 (q13)	0,67 (q13)	0,00	7,76(L)		Z' S2
q	-0,68 (-q12)	-0,68 (-q12)	0,00	7,76(L)		Z' S2,S4,S7-S9
q	0,00 (q14)	0,00 (q14)	0,00	1,86		Z' S3
q	-0,68 (-q12)	-0,68 (-q12)	0,00	1,86		Z' S3
q	0,00 (q15)	0,00 (q15)	1,86	7,76(L)		Z' S3
q	-0,68 (-q12)	-0,68 (-q12)	1,86	7,76(L)		Z' S3
q	-1,03 (q17)	-1,03 (q17)	0,00	7,00(L)		Z' S4
q	2,71 (q10)	2,71 (q10)	0,00	3,00(L)		Z' S7-S9
Som lasten		**X: 27,50**	**kN Z: -5,10**	**kN**		

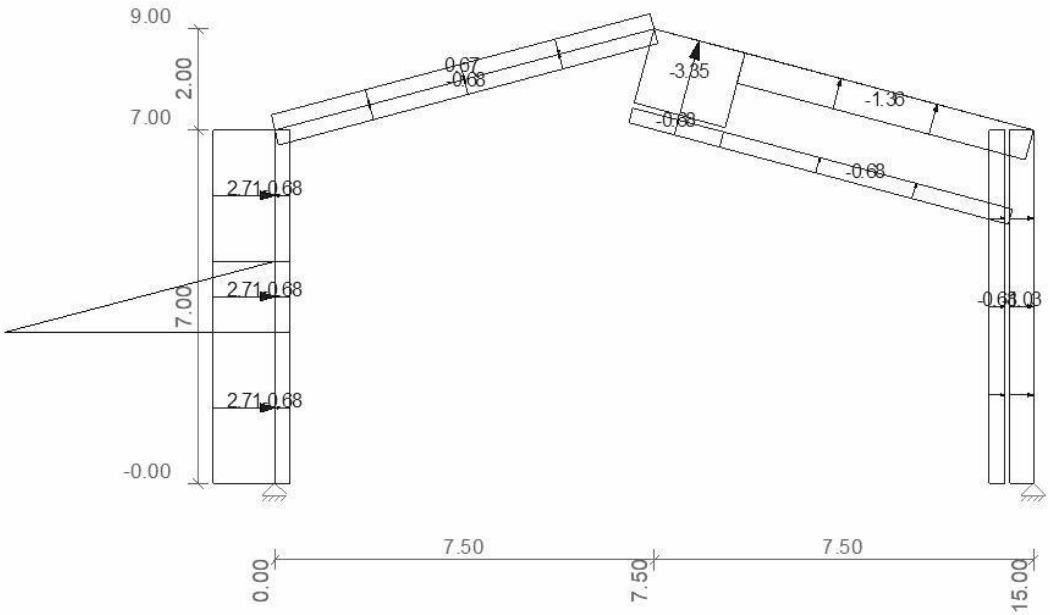
B.G.4: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE)



B.G.4: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.4: Windbelasting van Links + Overdruk (Zadeldak FGH 1e Cpe + IJ 2e Cpe)						
q	-1,02 (q5)	-1,02 (q5)	0,00	7,76(L)		Z' S2
q	-0,68 (-q4)	-0,68 (-q4)	0,00	7,76(L)		Z' S2,S4,S7-S9
q	0,00 (q14)	0,00 (q14)	0,00	1,86		Z' S3
q	-0,68 (-q4)	-0,68 (-q4)	0,00	1,86		Z' S3
q	0,00 (q15)	0,00 (q15)	1,86	7,76(L)		Z' S3
q	-0,68 (-q4)	-0,68 (-q4)	1,86	7,76(L)		Z' S3
q	-1,03 (q9)	-1,03 (q9)	0,00	7,00(L)		Z' S4
q	2,71 (q2)	2,71 (q2)	0,00	3,00(L)		Z' S7-S9
Som lasten		**X: 24,12**	**kN Z: -17,80**	**kN**		

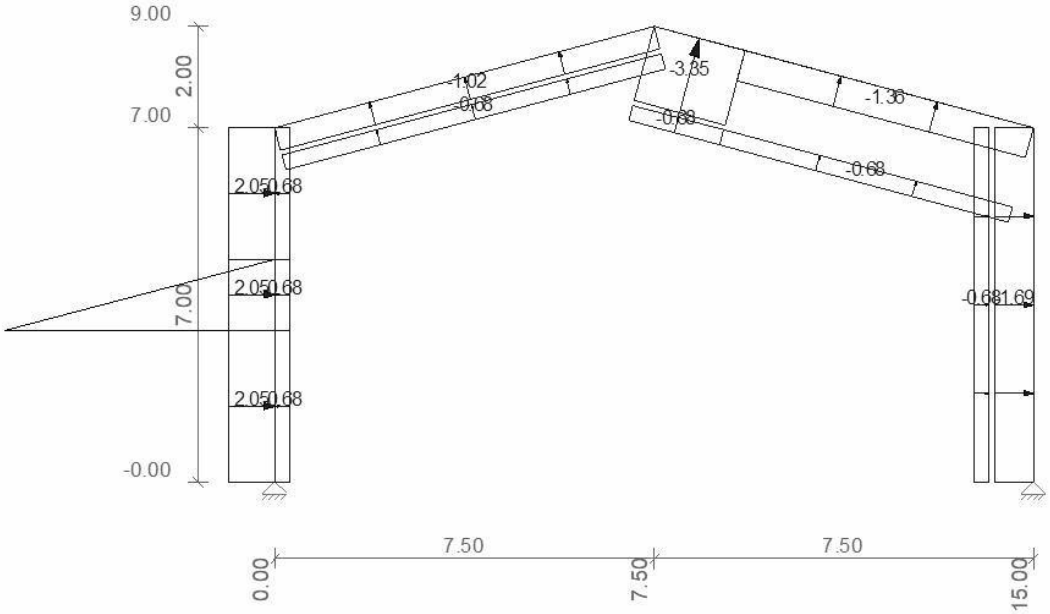
B.G.5: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE)



B.G.5: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.5: Windbelasting van Links + Overdruk (Zadeldak FGH 2e Cpe + IJ 1e Cpe)						
q	0,67 (q13)	0,67 (q13)	0,00	7,76(L)		Z' S2
q	-0,68 (-q4)	-0,68 (-q4)	0,00	7,76(L)		Z' S2,S4,S7-S9
q	-3,35 (q6)	-3,35 (q6)	0,00	1,86		Z' S3
q	-0,68 (-q4)	-0,68 (-q4)	0,00	1,86		Z' S3
q	-1,36 (q7)	-1,36 (q7)	1,86	7,76(L)		Z' S3
q	-0,68 (-q4)	-0,68 (-q4)	1,86	7,76(L)		Z' S3
q	-1,03 (q9)	-1,03 (q9)	0,00	7,00(L)		Z' S4
q	2,71 (q2)	2,71 (q2)	0,00	3,00(L)		Z' S7-S9
Som lasten		**X: 31,18 kN**	**Z: -18,88 kN**			

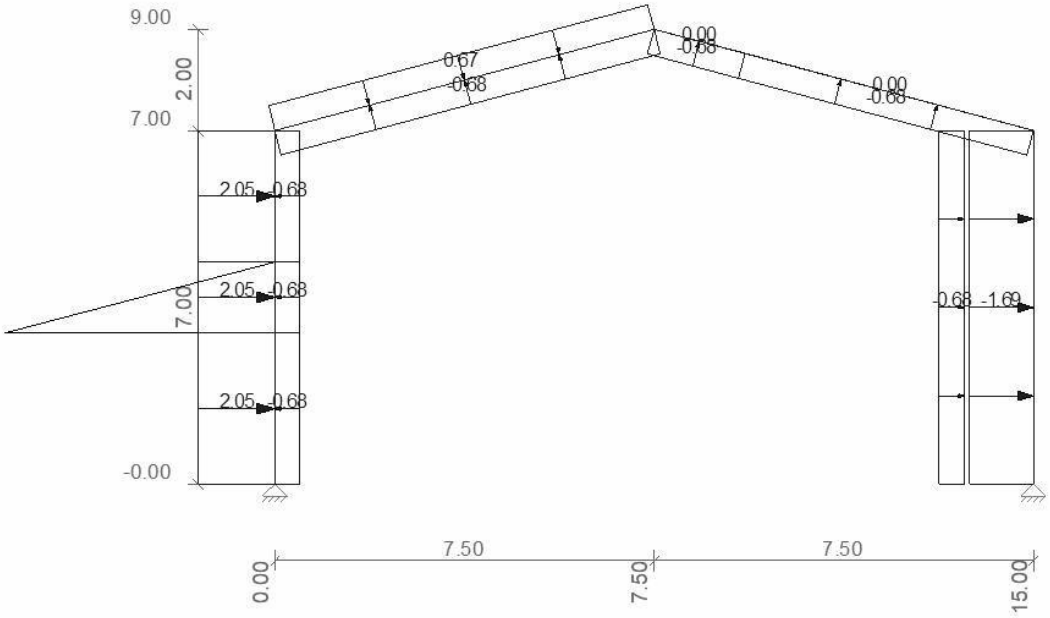
B.G.6: WINDBELASTING VAN LINKS + OVERDRUK (2E CORR. FACTOR)



B.G.6: WINDBELASTING VAN LINKS + OVERDRUK (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.6: Windbelasting van Links + Overdruk (2e corr. factor)					
q	-1,69 (q8)	-1,69 (q8)	0,00	7,00(L)	Z' S4
q	-1,02 (q5)	-1,02 (q5)	0,00	7,76(L)	Z' S2
q	-0,68 (-q4)	-0,68 (-q4)	0,00	7,76(L)	Z' S2,S4,S7-S9
q	-3,35 (q6)	-3,35 (q6)	0,00	1,86	Z' S3
q	-0,68 (-q4)	-0,68 (-q4)	0,00	1,86	Z' S3
q	-1,36 (q7)	-1,36 (q7)	1,86	7,76(L)	Z' S3
q	-0,68 (-q4)	-0,68 (-q4)	1,86	7,76(L)	Z' S3
q	2,05 (q3)	2,05 (q3)	0,00	3,00(L)	Z' S7-S9
Som lasten		**X: 27,79 kN**	**Z: -31,59 kN**		

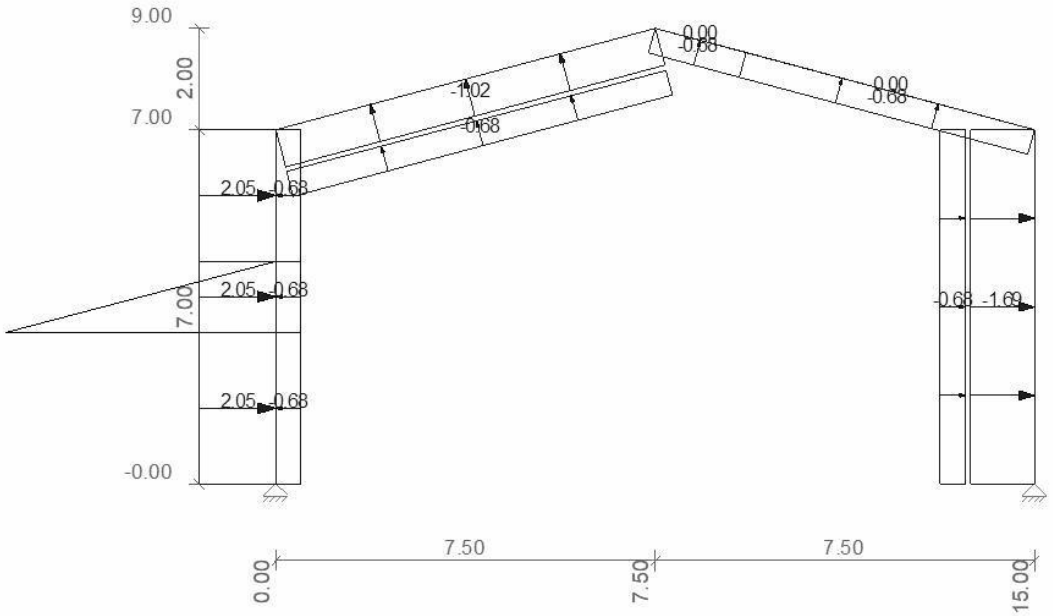
B.G.7: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE) (2E CORR. FACTOR)



B.G.7: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.7: Windbelasting van Links + Overdruk (2e Cpe) (2e corr. factor)					
q	-1,69 (q16)	-1,69 (q16)	0,00	7,00(L)	Z' S4
q	0,67 (q13)	0,67 (q13)	0,00	7,76(L)	Z' S2
q	-0,68 (-q12)	-0,68 (-q12)	0,00	7,76(L)	Z' S2,S4,S7-S9
q	0,00 (q14)	0,00 (q14)	0,00	1,86	Z' S3
q	-0,68 (-q12)	-0,68 (-q12)	0,00	1,86	Z' S3
q	0,00 (q15)	0,00 (q15)	1,86	7,76(L)	Z' S3
q	-0,68 (-q12)	-0,68 (-q12)	1,86	7,76(L)	Z' S3
q	2,05 (q11)	2,05 (q11)	0,00	3,00(L)	Z' S7-S9
Som lasten		**X: 27,50 kN Z: -5,10 kN**			

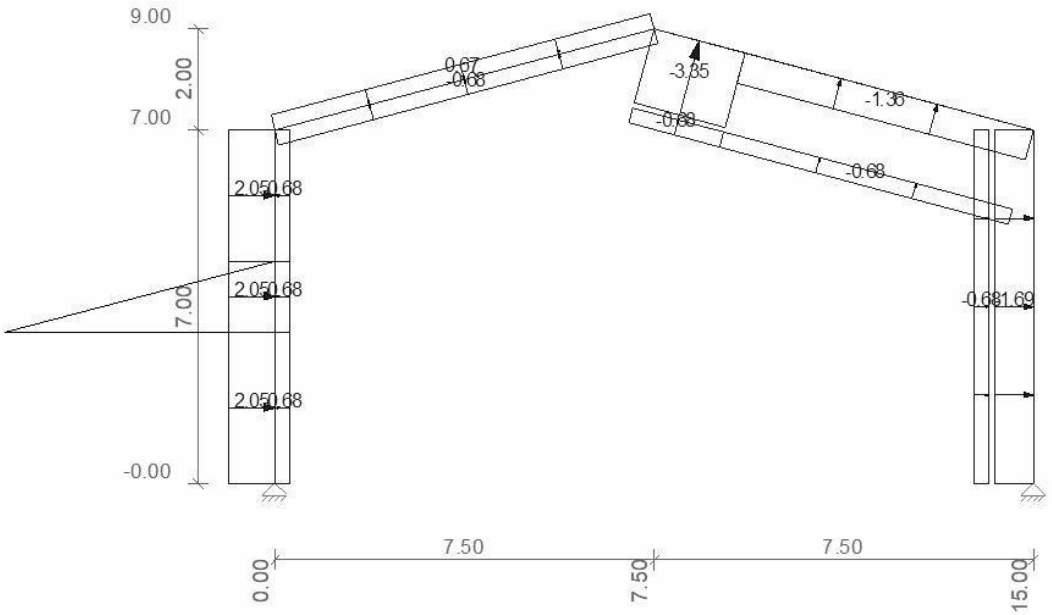
B.G.8: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE) (2E CORR. FACTOR)



B.G.8: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.8: Windbelasting van Links + Overdruk (Zadeldak FGH 1e Cpe + IJ 2e Cpe) (2e corr. factor)					
q	-1,69 (q8)	-1,69 (q8)	0,00	7,00(L)	Z' S4
q	-1,02 (q5)	-1,02 (q5)	0,00	7,76(L)	Z' S2
q	-0,68 (-q4)	-0,68 (-q4)	0,00	7,76(L)	Z' S2,S4,S7-S9
q	0,00 (q14)	0,00 (q14)	0,00	1,86	Z' S3
q	-0,68 (-q4)	-0,68 (-q4)	0,00	1,86	Z' S3
q	0,00 (q15)	0,00 (q15)	1,86	7,76(L)	Z' S3
q	-0,68 (-q4)	-0,68 (-q4)	1,86	7,76(L)	Z' S3
q	2,05 (q3)	2,05 (q3)	0,00	3,00(L)	Z' S7-S9
Som lasten		**X: 24,12 kN Z: -17,80 kN**			

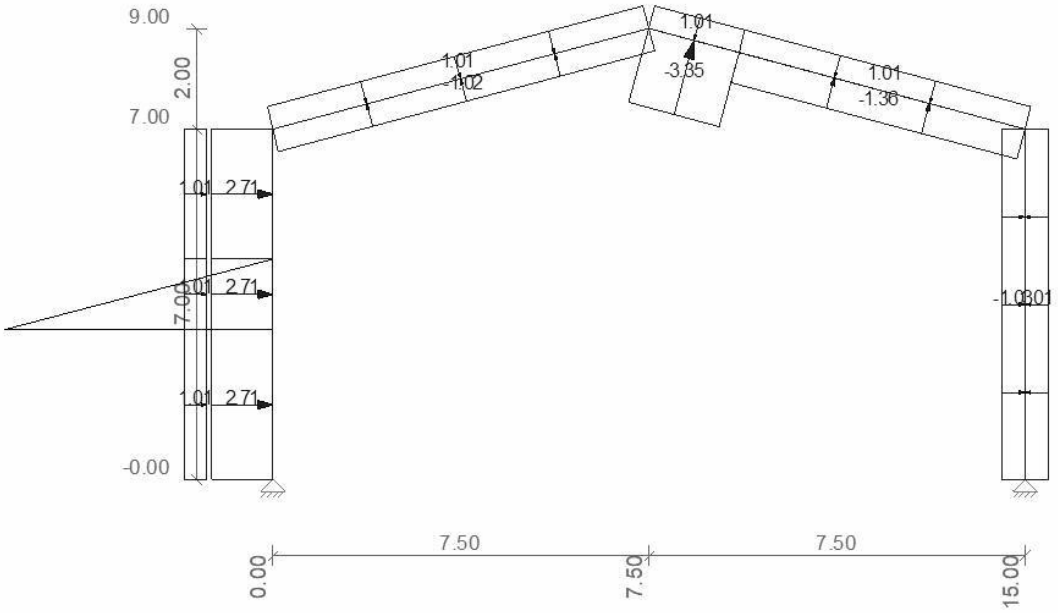
B.G.9: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE) (2E CORR. FACTOR)



B.G.9: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.9: Windbelasting van Links + Overdruk (Zadeldak FGH 2e Cpe + IJ 1e Cpe) (2e corr. factor)					
q	-1,69 (q8)	-1,69 (q8)	0,00	7,00(L)	Z' S4
q	0,67 (q13)	0,67 (q13)	0,00	7,76(L)	Z' S2
q	-0,68 (-q4)	-0,68 (-q4)	0,00	7,76(L)	Z' S2,S4,S7-S9
q	-3,35 (q6)	-3,35 (q6)	0,00	1,86	Z' S3
q	-0,68 (-q4)	-0,68 (-q4)	0,00	1,86	Z' S3
q	-1,36 (q7)	-1,36 (q7)	1,86	7,76(L)	Z' S3
q	-0,68 (-q4)	-0,68 (-q4)	1,86	7,76(L)	Z' S3
q	2,05 (q3)	2,05 (q3)	0,00	3,00(L)	Z' S7-S9
Som lasten		**X: 31,18 kN Z: -18,88 kN**			

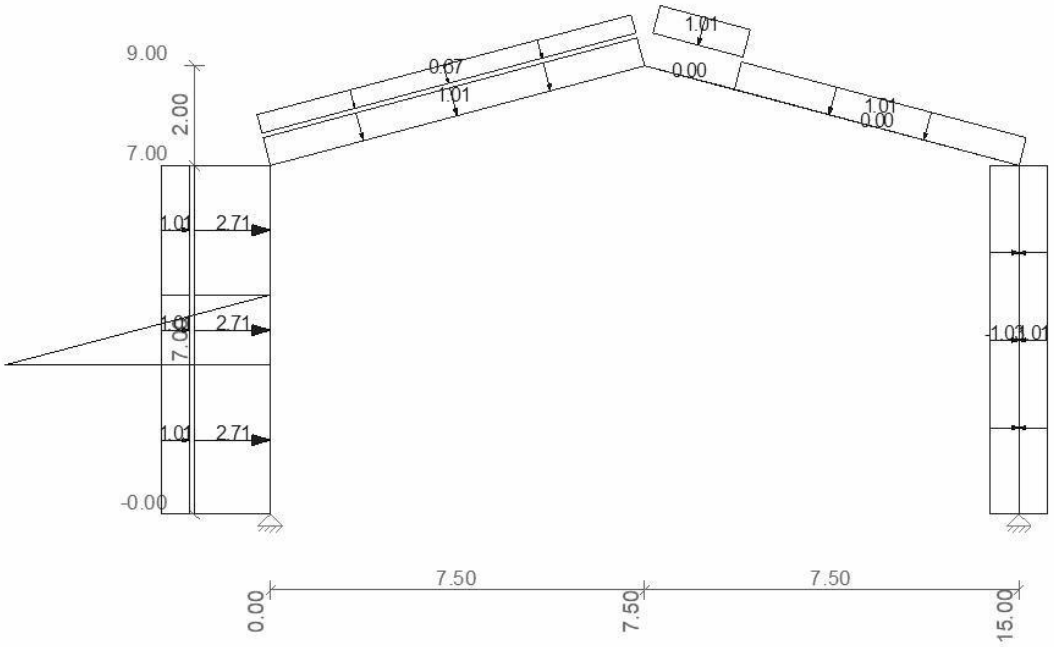
B.G.10: WINDBELASTING VAN LINKS + ONDERDRUK



B.G.10: WINDBELASTING VAN LINKS + ONDERDRUK

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.10: Windbelasting van Links + Onderdruk					
q	-1,02 (q21)	-1,02 (q21)	0,00	7,76(L)	Z' S2
q	1,01 (-q20)	1,01 (-q20)	0,00	7,76(L)	Z' S2,S4,S7-S9
q	-3,35 (q22)	-3,35 (q22)	0,00	1,86	Z' S3
q	1,01 (-q20)	1,01 (-q20)	0,00	1,86	Z' S3
q	-1,36 (q23)	-1,36 (q23)	1,86	7,76(L)	Z' S3
q	1,01 (-q20)	1,01 (-q20)	1,86	7,76(L)	Z' S3
q	-1,03 (q25)	-1,03 (q25)	0,00	7,00(L)	Z' S4
q	2,71 (q18)	2,71 (q18)	0,00	3,00(L)	Z' S7-S9
Som lasten		**X: 27,79 kN Z: -6,22 kN**			

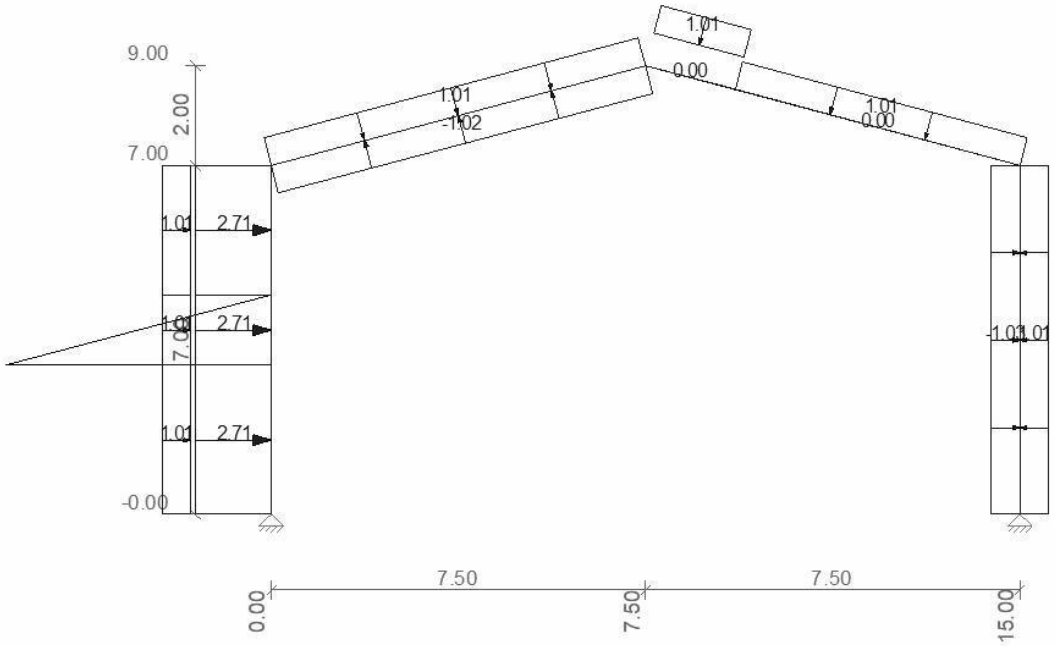
B.G.11: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE)



B.G.11: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.11: Windbelasting van Links + Onderdruk (2e Cpe)					
q	0,67 (q29)	0,67 (q29)	0,00	7,76(L)	Z' S2
q	1,01 (-q28)	1,01 (-q28)	0,00	7,76(L)	Z' S2,S4,S7-S9
q	0,00 (q30)	0,00 (q30)	0,00	1,86	Z' S3
q	1,01 (-q28)	1,01 (-q28)	0,00	1,86	Z' S3
q	0,00 (q31)	0,00 (q31)	1,86	7,76(L)	Z' S3
q	1,01 (-q28)	1,01 (-q28)	1,86	7,76(L)	Z' S3
q	-1,03 (q33)	-1,03 (q33)	0,00	7,00(L)	Z' S4
q	2,71 (q26)	2,71 (q26)	0,00	3,00(L)	Z' S7-S9
Som lasten		**X: 27,50 kN**	**Z: 20,27 kN**		

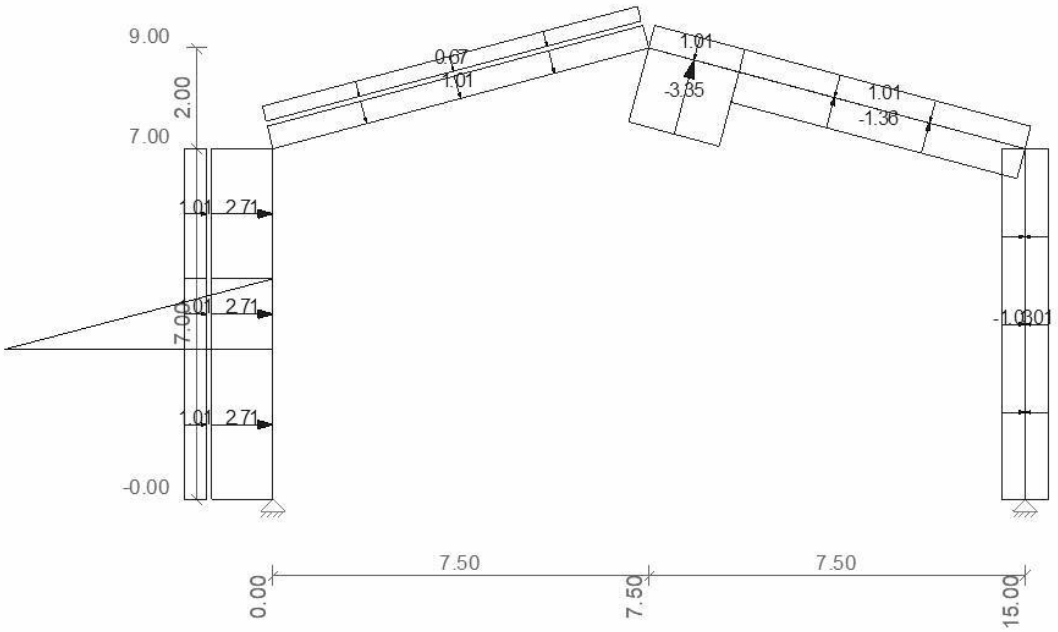
B.G.12: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE)



B.G.12: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.12: Windbelasting van Links + Onderdruk (Zadeldak FGH 1e Cpe + IJ 2e Cpe)					
q	-1,02 (q21)	-1,02 (q21)	0,00	7,76(L)	Z' S2
q	1,01 (-q20)	1,01 (-q20)	0,00	7,76(L)	Z' S2,S4,S7-S9
q	0,00 (q30)	0,00 (q30)	0,00	1,86	Z' S3
q	1,01 (-q20)	1,01 (-q20)	0,00	1,86	Z' S3
q	0,00 (q31)	0,00 (q31)	1,86	7,76(L)	Z' S3
q	1,01 (-q20)	1,01 (-q20)	1,86	7,76(L)	Z' S3
q	-1,03 (q25)	-1,03 (q25)	0,00	7,00(L)	Z' S4
q	2,71 (q18)	2,71 (q18)	0,00	3,00(L)	Z' S7-S9
Som lasten		**X: 24,12 kN Z: 7,57 kN**			

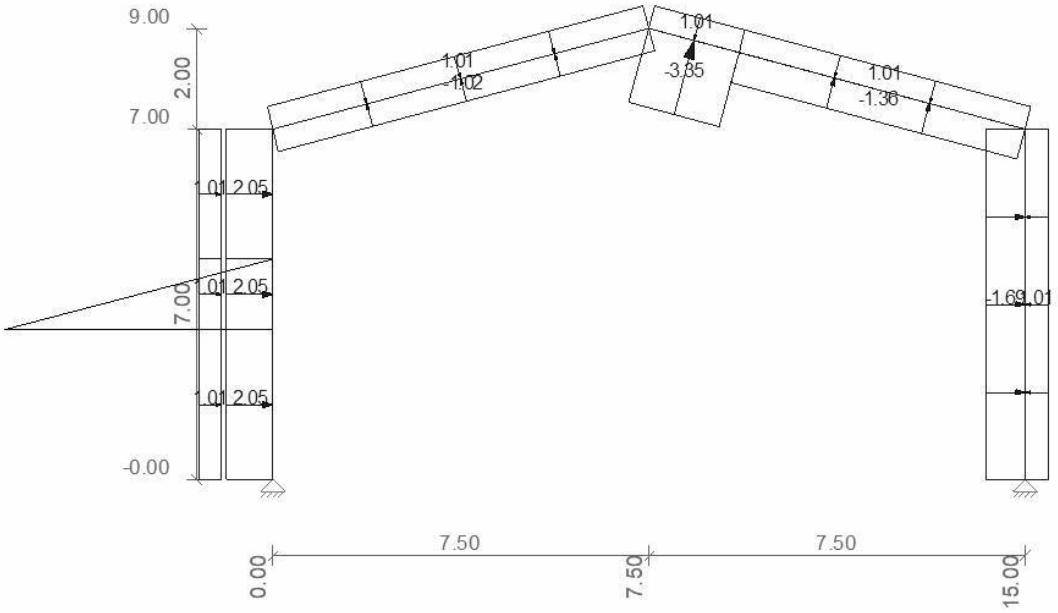
B.G.13: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE)



B.G.13: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.13: Windbelasting van Links + Onderdruk (Zadeldak FGH 2e Cpe + IJ 1e Cpe)					
q	0,67 (q29)	0,67 (q29)	0,00	7,76(L)	Z' S2
q	1,01 (-q20)	1,01 (-q20)	0,00	7,76(L)	Z' S2,S4,S7-S9
q	-3,35 (q22)	-3,35 (q22)	0,00	1,86	Z' S3
q	1,01 (-q20)	1,01 (-q20)	0,00	1,86	Z' S3
q	-1,36 (q23)	-1,36 (q23)	1,86	7,76(L)	Z' S3
q	1,01 (-q20)	1,01 (-q20)	1,86	7,76(L)	Z' S3
q	-1,03 (q25)	-1,03 (q25)	0,00	7,00(L)	Z' S4
q	2,71 (q18)	2,71 (q18)	0,00	3,00(L)	Z' S7-S9
Som lasten		**X: 31,18 kN Z: 6,48 kN**			

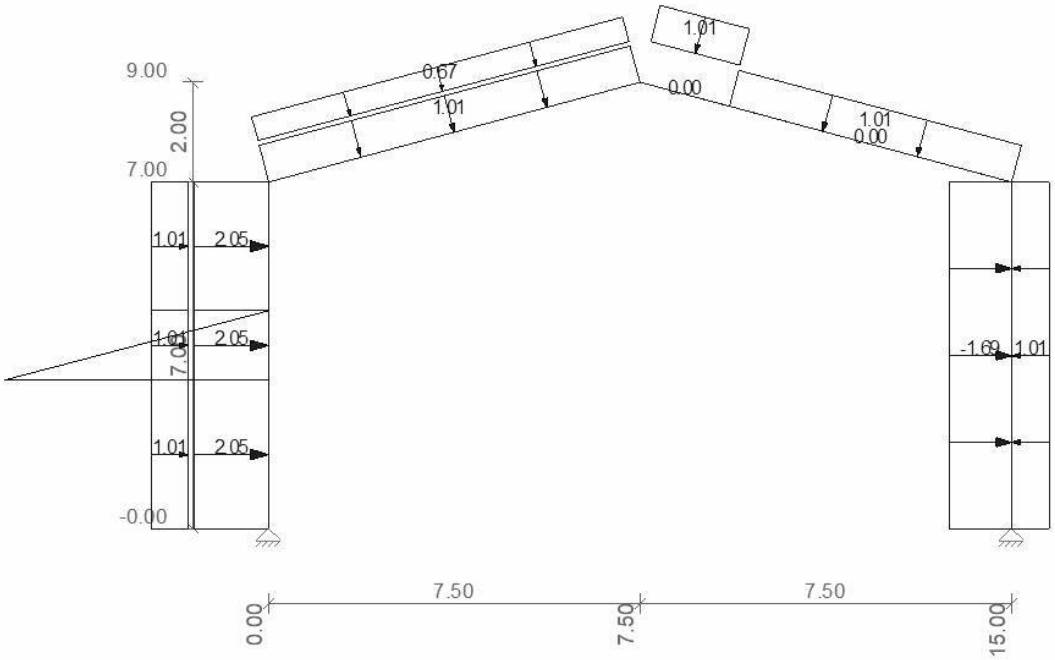
B.G.14: WINDBELASTING VAN LINKS + ONDERDRUK (2E CORR. FACTOR)



B.G.14: WINDBELASTING VAN LINKS + ONDERDRUK (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.14: Windbelasting van Links + Onderdruk (2e corr. factor)						
q	-1,69 (q24)	-1,69 (q24)	0,00	7,00(L)		Z' S4
q	-1,02 (q21)	-1,02 (q21)	0,00	7,76(L)		Z' S2
q	1,01 (-q20)	1,01 (-q20)	0,00	7,76(L)		Z' S2,S4,S7-S9
q	-3,35 (q22)	-3,35 (q22)	0,00	1,86		Z' S3
q	1,01 (-q20)	1,01 (-q20)	0,00	1,86		Z' S3
q	-1,36 (q23)	-1,36 (q23)	1,86	7,76(L)		Z' S3
q	1,01 (-q20)	1,01 (-q20)	1,86	7,76(L)		Z' S3
q	2,05 (q19)	2,05 (q19)	0,00	3,00(L)		Z' S7-S9
Som lasten		**X: 27,79**	**kN Z: -6,22**	**kN**		

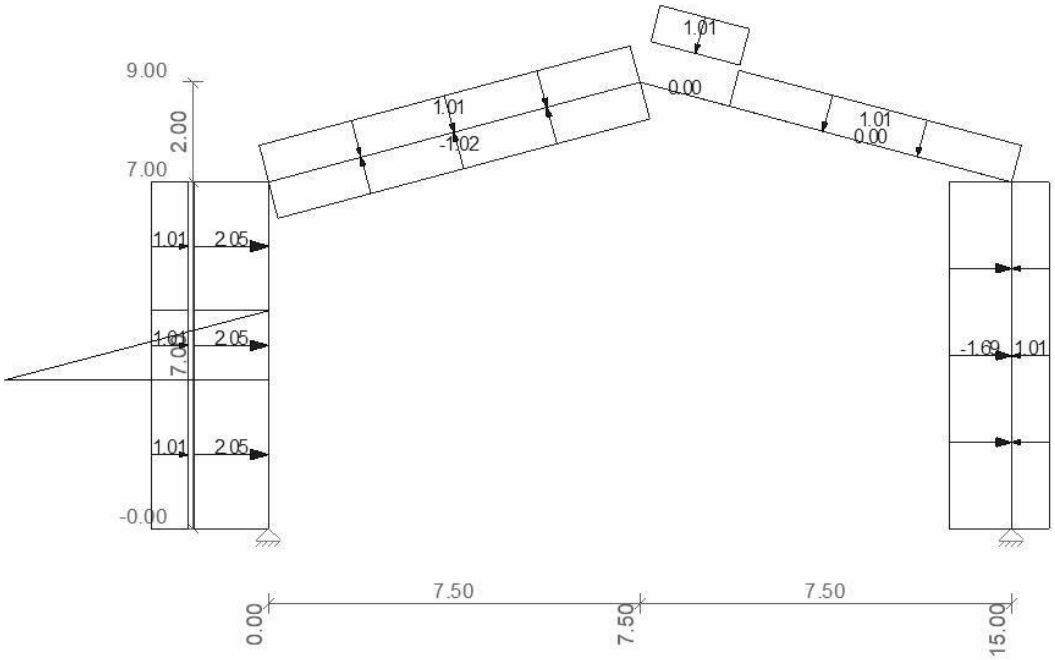
B.G.15: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE) (2E CORR. FACTOR)



B.G.15: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.15: Windbelasting van Links + Onderdruk (2e Cpe) (2e corr. factor)					
q	-1,69 (q32)	-1,69 (q32)	0,00	7,00(L)	Z' S4
q	0,67 (q29)	0,67 (q29)	0,00	7,76(L)	Z' S2
q	1,01 (-q28)	1,01 (-q28)	0,00	7,76(L)	Z' S2,S4,S7-S9
q	0,00 (q30)	0,00 (q30)	0,00	1,86	Z' S3
q	1,01 (-q28)	1,01 (-q28)	0,00	1,86	Z' S3
q	0,00 (q31)	0,00 (q31)	1,86	7,76(L)	Z' S3
q	1,01 (-q28)	1,01 (-q28)	1,86	7,76(L)	Z' S3
q	2,05 (q27)	2,05 (q27)	0,00	3,00(L)	Z' S7-S9
Som lasten		**X: 27,50 kN**	**Z: 20,27 kN**		

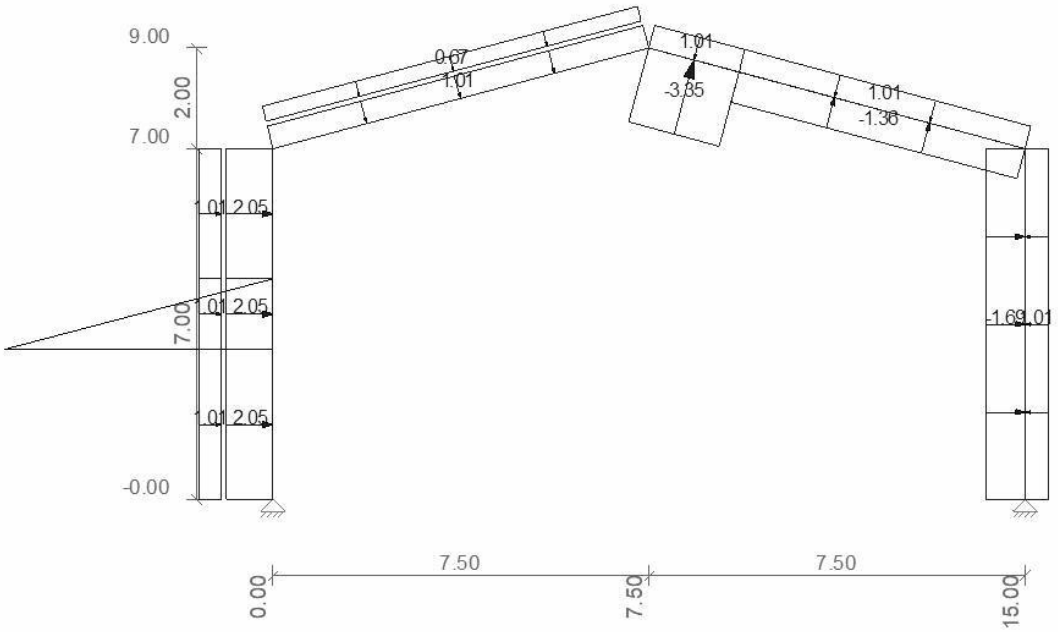
B.G.16: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE) (2E CORR. FACTOR)



B.G.16: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.16: Windbelasting van Links + Onderdruk (Zadeldak FGH 1e Cpe + IJ 2e Cpe) (2e corr. factor)					
q	-1,69 (q24)	-1,69 (q24)	0,00	7,00(L)	Z' S4
q	-1,02 (q21)	-1,02 (q21)	0,00	7,76(L)	Z' S2
q	1,01 (-q20)	1,01 (-q20)	0,00	7,76(L)	Z' S2,S4,S7-S9
q	0,00 (q30)	0,00 (q30)	0,00	1,86	Z' S3
q	1,01 (-q20)	1,01 (-q20)	0,00	1,86	Z' S3
q	0,00 (q31)	0,00 (q31)	1,86	7,76(L)	Z' S3
q	1,01 (-q20)	1,01 (-q20)	1,86	7,76(L)	Z' S3
q	2,05 (q19)	2,05 (q19)	0,00	3,00(L)	Z' S7-S9
Som lasten		**X: 24,12 kN Z: 7,57 kN**			

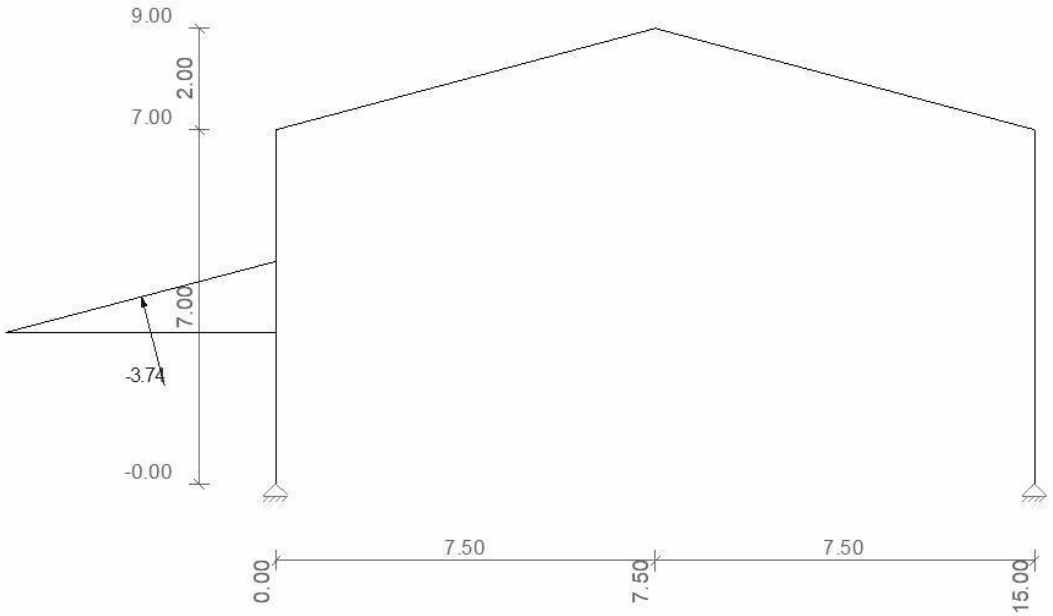
B.G.17: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE) (2E CORR. FACTOR)



B.G.17: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.17: Windbelasting van Links + Onderdruk (Zadeldak FGH 2e Cpe + IJ 1e Cpe) (2e corr. factor)					
q	-1,69 (q24)	-1,69 (q24)	0,00	7,00(L)	Z' S4
q	0,67 (q29)	0,67 (q29)	0,00	7,76(L)	Z' S2
q	1,01 (-q20)	1,01 (-q20)	0,00	7,76(L)	Z' S2,S4,S7-S9
q	-3,35 (q22)	-3,35 (q22)	0,00	1,86	Z' S3
q	1,01 (-q20)	1,01 (-q20)	0,00	1,86	Z' S3
q	-1,36 (q23)	-1,36 (q23)	1,86	7,76(L)	Z' S3
q	1,01 (-q20)	1,01 (-q20)	1,86	7,76(L)	Z' S3
q	2,05 (q19)	2,05 (q19)	0,00	3,00(L)	Z' S7-S9
Som lasten		**X: 31,18 kN Z: 6,48 kN**			

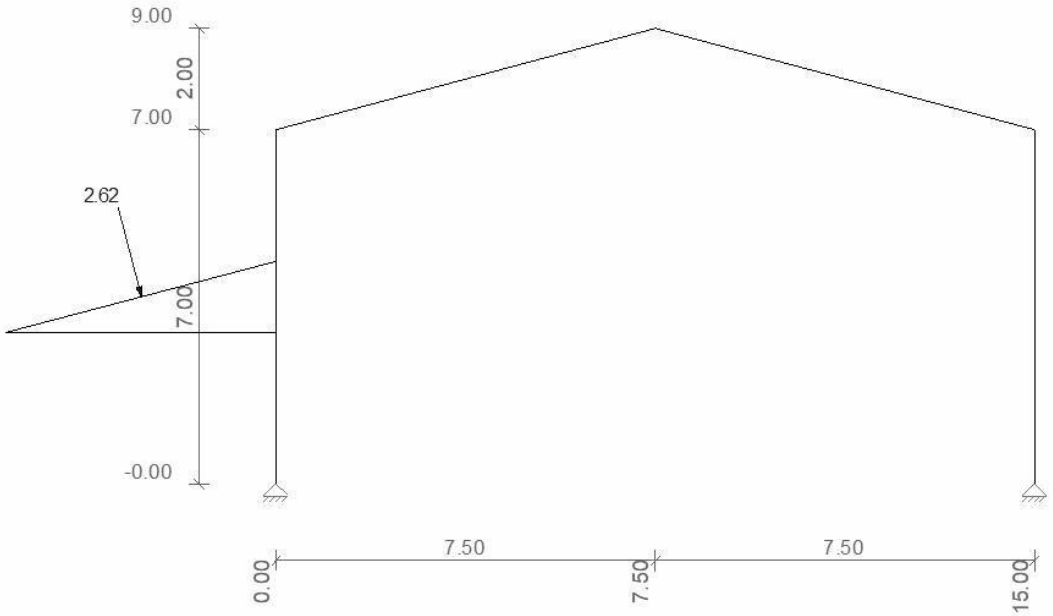
B.G.18: WINDBELASTING (LUIFELS) [1/2]



B.G.18: WINDBELASTING (LUIFELS) [1/2]

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.18: Windbelasting (luifels) [1/2]					
F	-3,74 (F2)		2,77		Z' S6
Som lasten	**X: -0,95**	**kN Z: -3,62**	**kN**		

B.G.19: WINDBELASTING (LUIFELS) [2/2]

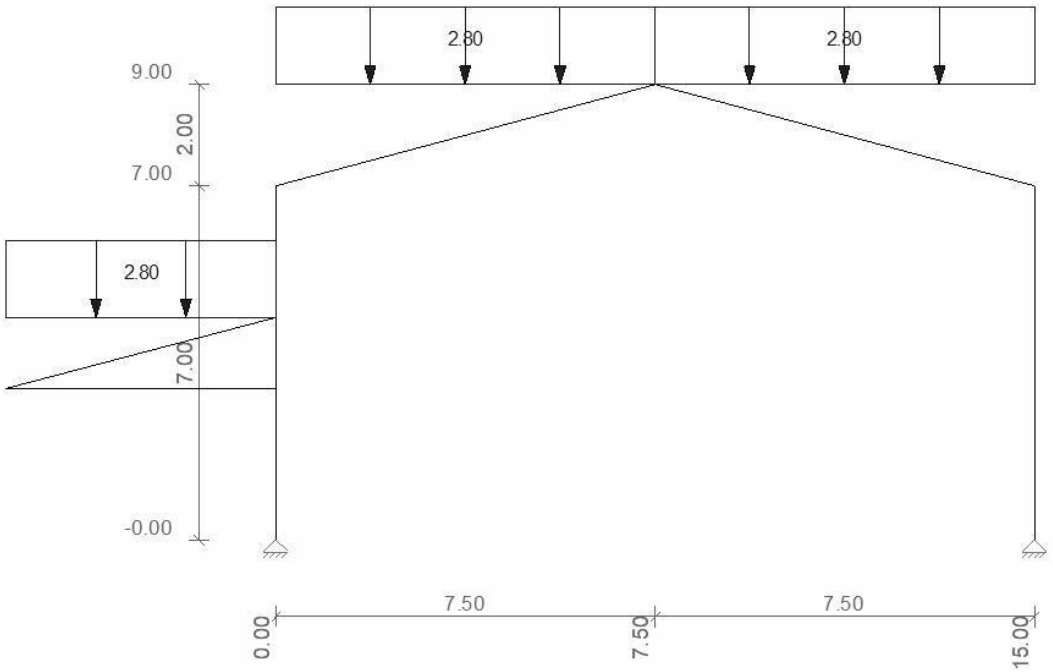


B.G.19: WINDBELASTING (LUIFELS) [2/2]

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.19: Windbelasting (luifels) [2/2]					

F	2,62 (F1)			2,77	Z' S6
Som lasten		**X: 0,66**	**kN Z: 2,53**	**kN**	

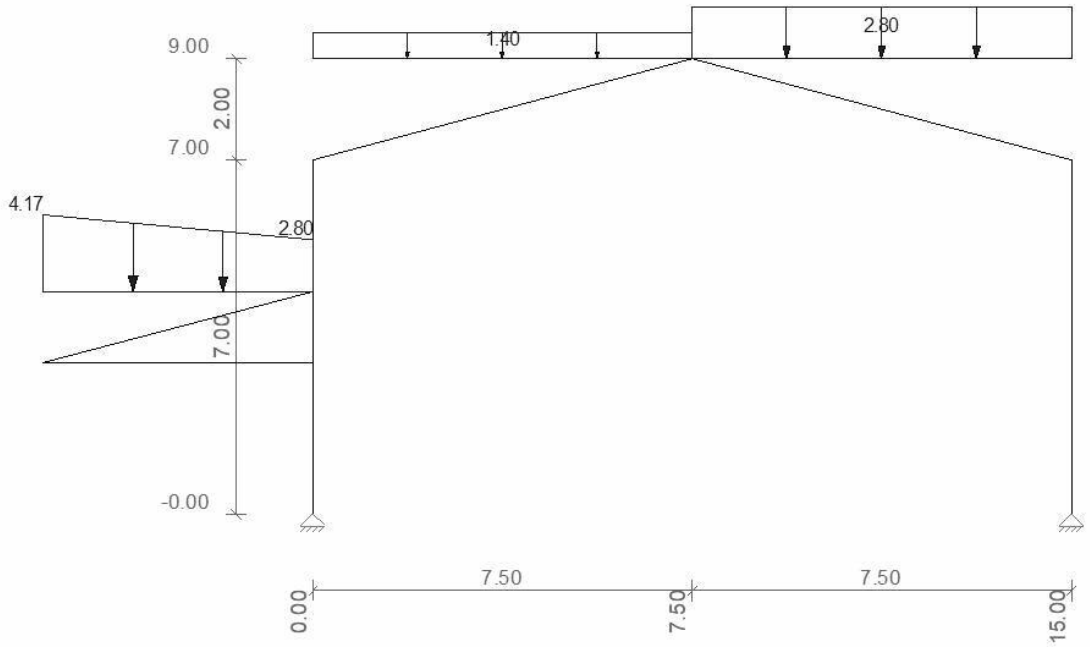
B.G.20: SNEEUWBELASTING 1



B.G.20: SNEEUWBELASTING 1

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.20: Sneeuwbelasting 1					
q	2,80 (q36)	2,80 (q36)	0,00	7,50(L)	Z S2-S3
q	2,80 (q34)	2,80 (q34)	0,00	5,35(L)	Z S6
Som lasten		**X: 0,00**	**kN Z: 56,98**	**kN**	

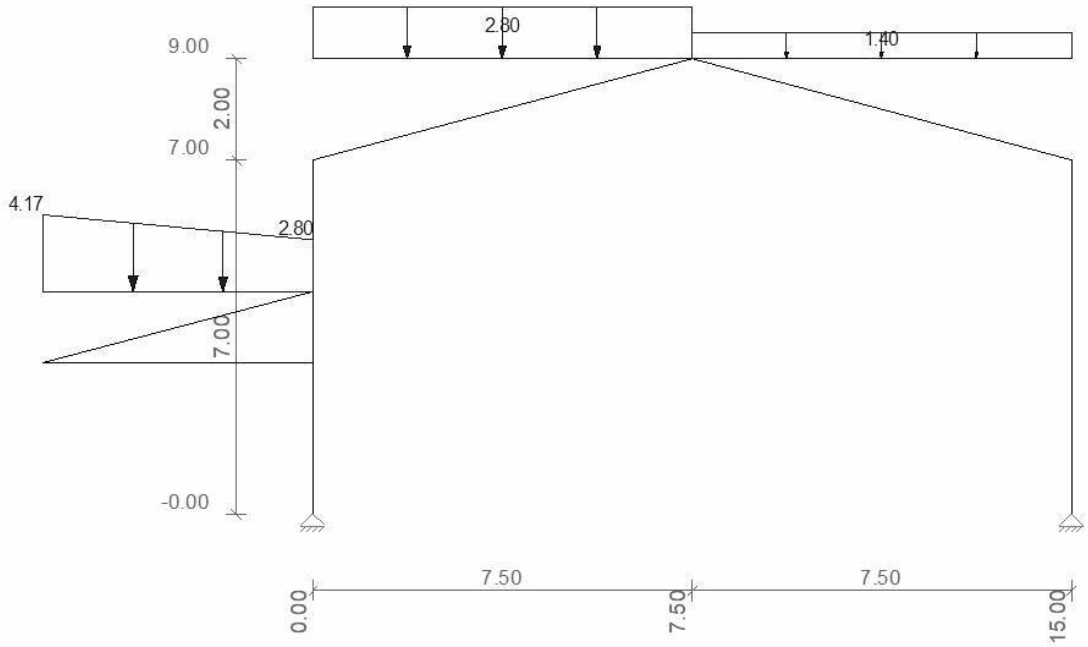
B.G.21: SNEEUWBELASTING 2



B.G.21: SNEEUWBELASTING 2

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.21: Sneeuwbelasting 2					
q	1,40 (q37)	1,40 (q37)	0,00	7,50(L)	Z S2
q	2,80 (q36)	2,80 (q36)	0,00	7,50(L)	Z S3
q	4,17 (q35)	2,80 (q34)	0,00	5,35(L)	Z S6
Som lasten		**X: 0,00**	**kN Z: 50,14**	**kN**	

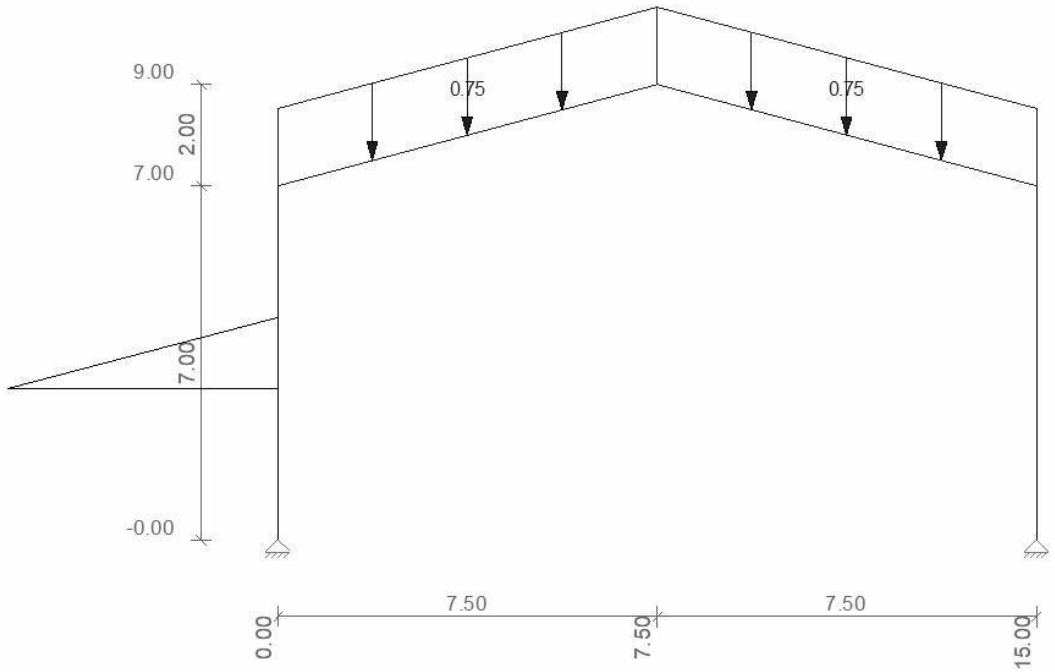
B.G.22: SNEEUWBELASTING 3



B.G.22: SNEEUWBELASTING 3

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.22: Sneeuwbelasting 3					
q	2,80 (q36)	2,80 (q36)	0,00	7,50(L)	Z S2
q	1,40 (q37)	1,40 (q37)	0,00	7,50(L)	Z S3
q	4,17 (q35)	2,80 (q34)	0,00	5,35(L)	Z S6
Som lasten		**X: 0,00**	**kN Z: 50,14**	**kN**	

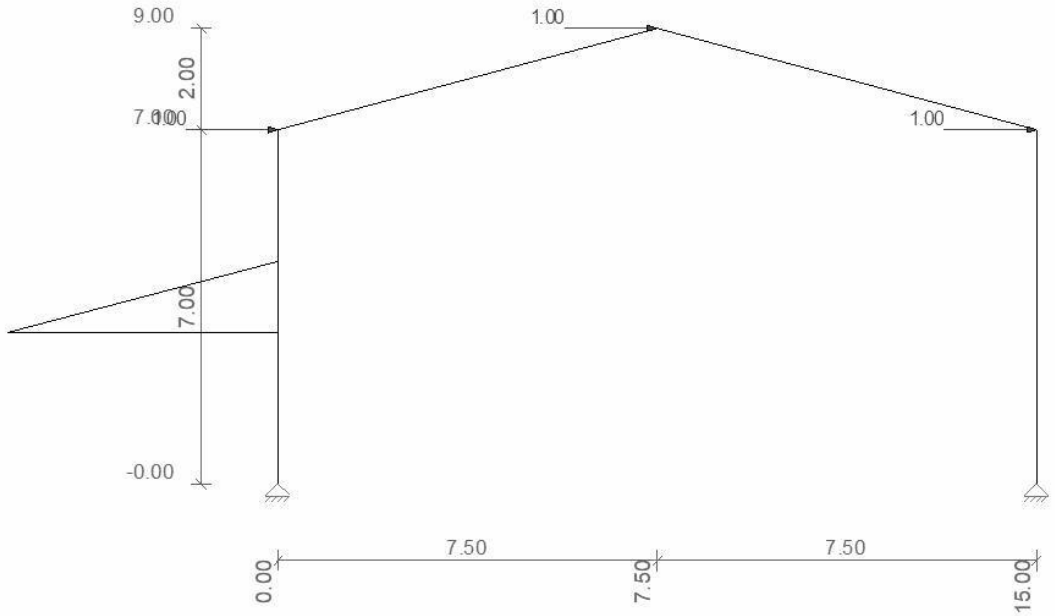
B.G.23: ZONNEPANELEN



B.G.23: ZONNEPANELEN

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.23: Zonnepanelen					
q	0,75	0,75	0,00	7,76(L)	Z" S2-S3
Som lasten	**X: 0,00**	**kN Z: 11,64**	**kN**		

B.G.24: KNIKLENGTE



B.G.24: KNIKLENGTE

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.24: Kniklengte						
N	1,00				X	K2-K4
Som lasten	**X: 3,00**	**kN Z: 0,00**	**kN**			

B.G. OPLEGREACTIES

B.C.	Oplegging	Knoop	X	Z	My
B.G.1	O1	K1	1.64	-23.94	0.00
	O2	K5	-1.64	-13.18	0.00
	Som Reacties		**0.00**	**-37,13**	
	Som Lasten		**0.00**	**37.13**	
B.G.2	O1	K1	-18.87	21.97	0.00
	O2	K5	-8.92	9.62	0.00
	Som Reacties		**-27.79**	**31,59**	
	Som Lasten		**27.79**	**-31.59**	
B.G.3	O1	K1	-15.28	8.11	0.00
	O2	K5	-12.22	-3.01	0.00
	Som Reacties		**-27.50**	**5,10**	
	Som Lasten		**27.50**	**-5.10**	
B.G.4	O1	K1	-15.06	15.83	0.00
	O2	K5	-9.05	1.97	0.00
	Som Reacties		**-24.12**	**17,80**	
	Som Lasten		**24.12**	**-17.80**	
B.G.5	O1	K1	-19.09	14.25	0.00
	O2	K5	-12.09	4.63	0.00
	Som Reacties		**-31.18**	**18,88**	
	Som Lasten		**31.18**	**-18.88**	
B.G.6	O1	K1	-16.45	21.97	0.00
	O2	K5	-11.34	9.62	0.00
	Som Reacties		**-27.79**	**31,59**	
	Som Lasten		**27.79**	**-31.59**	
B.G.7	O1	K1	-12.86	8.11	0.00
	O2	K5	-14.64	-3.01	0.00
	Som Reacties		**-27.50**	**5,10**	
	Som Lasten		**27.50**	**-5.10**	
B.G.8	O1	K1	-12.64	15.83	0.00
	O2	K5	-11.47	1.97	0.00
	Som Reacties		**-24.12**	**17,80**	
	Som Lasten		**24.12**	**-17.80**	
B.G.9	O1	K1	-16.67	14.25	0.00
	O2	K5	-14.51	4.63	0.00
	Som Reacties		**-31.18**	**18,88**	
	Som Lasten		**31.18**	**-18.88**	
B.G.10	O1	K1	-22.00	9.29	0.00
	O2	K5	-5.79	-3.07	0.00
	Som Reacties		**-27.79**	**6,22**	
	Som Lasten		**27.79**	**-6.22**	
B.G.11	O1	K1	-18.41	-4.57	0.00
	O2	K5	-9.09	-15.69	0.00
	Som Reacties		**-27.50**	**-20,27**	
	Som Lasten		**27.50**	**20.27**	
B.G.12	O1	K1	-18.19	3.15	0.00
	O2	K5	-5.92	-10.71	0.00
	Som Reacties		**-24.12**	**-7,57**	
	Som Lasten		**24.12**	**7.57**	
B.G.13	O1	K1	-22.22	1.57	0.00
	O2	K5	-8.96	-8.05	0.00
	Som Reacties		**-31.18**	**-6,48**	
	Som Lasten		**31.18**	**6.48**	
B.G.14	O1	K1	-19.58	9.29	0.00
	O2	K5	-8.21	-3.07	0.00
	Som Reacties		**-27.79**	**6,22**	
	Som Lasten		**27.79**	**-6.22**	
B.G.15	O1	K1	-15.99	-4.57	0.00
	O2	K5	-11.51	-15.69	0.00
	Som Reacties		**-27.50**	**-20,27**	

B.C.	Oplegging	Knoop	X	Z	My

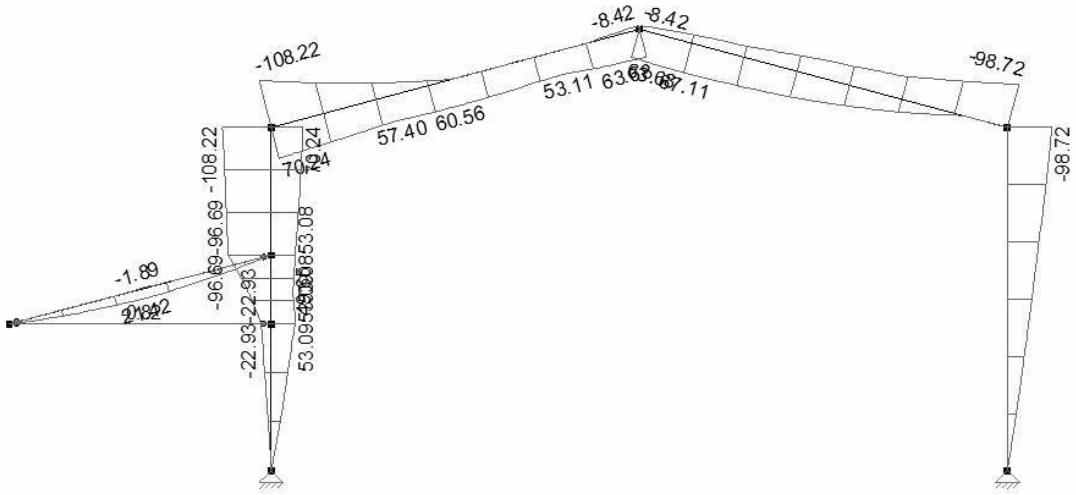
	Som Lasten		**27.50**	**20.27**	
B.G.16	O1	K1	-15.78	3.15	0.00
	O2	K5	-8.34	-10.71	0.00
	Som Reacties		**-24.12**	**-7,57**	
	Som Lasten		**24.12**	**7.57**	
B.G.17	O1	K1	-19.80	1.57	0.00
	O2	K5	-11.38	-8.05	0.00
	Som Reacties		**-31.18**	**-6,48**	
	Som Lasten		**31.18**	**6.48**	
B.G.18	O1	K1	1.32	4.03	0.00
	O2	K5	-0.37	-0.41	0.00
	Som Reacties		**0.95**	**3,62**	
	Som Lasten		**-0.95**	**-3.62**	
B.G.19	O1	K1	-0.92	-2.82	0.00
	O2	K5	0.26	0.29	0.00
	Som Reacties		**-0.66**	**-2,53**	
	Som Lasten		**0.66**	**2.53**	
B.G.20	O1	K1	2.77	-38.65	0.00
	O2	K5	-2.77	-18.33	0.00
	Som Reacties		**0.00**	**-56,98**	
	Som Lasten		**0.00**	**56.98**	
B.G.21	O1	K1	0.64	-35.31	0.00
	O2	K5	-0.64	-14.83	0.00
	Som Reacties		**0.00**	**-50,14**	
	Som Lasten		**0.00**	**50.14**	
B.G.22	O1	K1	0.64	-40.56	0.00
	O2	K5	-0.64	-9.58	0.00
	Som Reacties		**0.00**	**-50,14**	
	Som Lasten		**0.00**	**50.14**	
B.G.23	O1	K1	1.46	-5.82	0.00
	O2	K5	-1.46	-5.82	0.00
	Som Reacties		**0.00**	**-11,64**	
	Som Lasten		**0.00**	**11.64**	
B.G.24	O1	K1	-1.55	1.53	0.00
	O2	K5	-1.45	-1.53	0.00
	Som Reacties		**-3.00**	**0,00**	
	Som Lasten		**3.00**	**0.00**	

FUNDAMENTEEL BELASTINGSCOMBINATIES (LIJST)

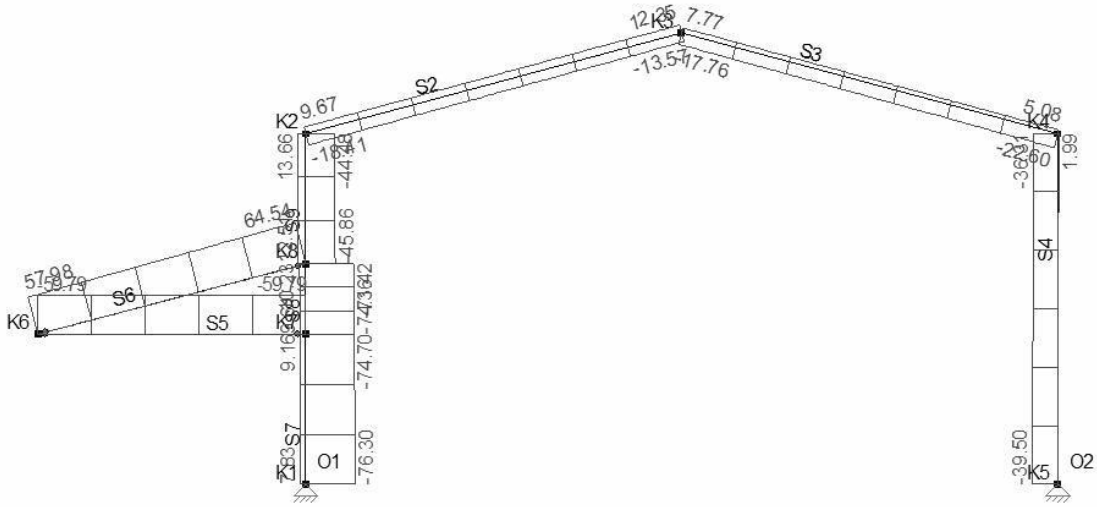
Fu.C.1 = 0.90*B.G.1 + 1.13*B.G.2 + 1.13*B.G.18
Fu.C.2 = 0.90*B.G.1 + 1.13*B.G.2 + 1.13*B.G.19
Fu.C.3 = 0.90*B.G.1 + 1.13*B.G.3 + 1.13*B.G.18
Fu.C.4 = 0.90*B.G.1 + 1.13*B.G.3 + 1.13*B.G.19
Fu.C.5 = 0.90*B.G.1 + 1.13*B.G.4 + 1.13*B.G.18
Fu.C.6 = 0.90*B.G.1 + 1.13*B.G.4 + 1.13*B.G.19
Fu.C.7 = 0.90*B.G.1 + 1.13*B.G.5 + 1.13*B.G.18
Fu.C.8 = 0.90*B.G.1 + 1.13*B.G.5 + 1.13*B.G.19
Fu.C.9 = 0.90*B.G.1 + 1.13*B.G.6 + 1.13*B.G.18
Fu.C.10 = 0.90*B.G.1 + 1.13*B.G.6 + 1.13*B.G.19
Fu.C.11 = 0.90*B.G.1 + 1.13*B.G.7 + 1.13*B.G.18
Fu.C.12 = 0.90*B.G.1 + 1.13*B.G.7 + 1.13*B.G.19
Fu.C.13 = 0.90*B.G.1 + 1.13*B.G.8 + 1.13*B.G.18
Fu.C.14 = 0.90*B.G.1 + 1.13*B.G.8 + 1.13*B.G.19
Fu.C.15 = 0.90*B.G.1 + 1.13*B.G.9 + 1.13*B.G.18
Fu.C.16 = 0.90*B.G.1 + 1.13*B.G.9 + 1.13*B.G.19
Fu.C.17 = 1.08*B.G.1 + 1.13*B.G.10 + 1.13*B.G.18 + 1.08*B.G.23
Fu.C.18 = 1.08*B.G.1 + 1.13*B.G.10 + 1.13*B.G.19 + 1.08*B.G.23
Fu.C.19 = 1.08*B.G.1 + 1.13*B.G.11 + 1.13*B.G.18 + 1.08*B.G.23
Fu.C.20 = 1.08*B.G.1 + 1.13*B.G.11 + 1.13*B.G.19 + 1.08*B.G.23
Fu.C.21 = 1.08*B.G.1 + 1.13*B.G.12 + 1.13*B.G.18 + 1.08*B.G.23
Fu.C.22 = 1.08*B.G.1 + 1.13*B.G.12 + 1.13*B.G.19 + 1.08*B.G.23
Fu.C.23 = 1.08*B.G.1 + 1.13*B.G.13 + 1.13*B.G.18 + 1.08*B.G.23
Fu.C.24 = 1.08*B.G.1 + 1.13*B.G.13 + 1.13*B.G.19 + 1.08*B.G.23
Fu.C.25 = 1.08*B.G.1 + 1.13*B.G.14 + 1.13*B.G.18 + 1.08*B.G.23
Fu.C.26 = 1.08*B.G.1 + 1.13*B.G.14 + 1.13*B.G.19 + 1.08*B.G.23
Fu.C.27 = 1.08*B.G.1 + 1.13*B.G.15 + 1.13*B.G.18 + 1.08*B.G.23
Fu.C.28 = 1.08*B.G.1 + 1.13*B.G.15 + 1.13*B.G.19 + 1.08*B.G.23
Fu.C.29 = 1.08*B.G.1 + 1.13*B.G.16 + 1.13*B.G.18 + 1.08*B.G.23
Fu.C.30 = 1.08*B.G.1 + 1.13*B.G.16 + 1.13*B.G.19 + 1.08*B.G.23
Fu.C.31 = 1.08*B.G.1 + 1.13*B.G.17 + 1.13*B.G.18 + 1.08*B.G.23

Fu.C.32 = 1.08*B.G.1 + 1.13*B.G.17 + 1.13*B.G.19 + 1.08*B.G.23
Fu.C.33 = 1.08*B.G.1 + 1.13*B.G.18 + 1.01*B.G.20 + 1.08*B.G.23
Fu.C.34 = 1.08*B.G.1 + 1.13*B.G.19 + 1.01*B.G.20 + 1.08*B.G.23
Fu.C.35 = 1.08*B.G.1 + 1.13*B.G.18 + 1.01*B.G.21 + 1.08*B.G.23
Fu.C.36 = 1.08*B.G.1 + 1.13*B.G.19 + 1.01*B.G.21 + 1.08*B.G.23
Fu.C.37 = 1.08*B.G.1 + 1.13*B.G.18 + 1.01*B.G.22 + 1.08*B.G.23
Fu.C.38 = 1.08*B.G.1 + 1.13*B.G.19 + 1.01*B.G.22 + 1.08*B.G.23
Fu.C.39 = 1.22*B.G.1 + 1.22*B.G.23
Fu.C.40 = 0.90*B.G.1 + 0.90*B.G.23

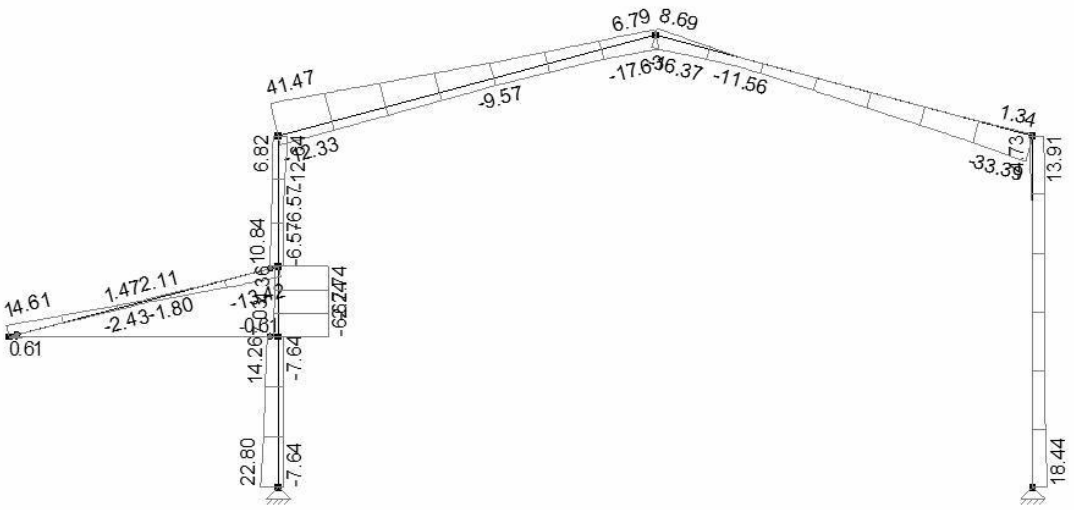
AFB. FU.C. MOMENTEN (MY) OMHULLENDE Fundamenteel Belastingscombinaties



AFB. FU.C. NORMAALKRACHT (NX) OMHULLENDE Fundamenteel Belastingscombinaties



AFB. FU.C. DWARSKRACHT (VZ) OMHULLENDE Fundamenteel Belastingscombinaties



FU.C. EXTREME STAAFKRACHTEN

Staaf	B.C.	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Vb	Vmax	Ve
S2	Fu.C.1	68.51	0.00	0.00	**-8.42**	6.69	0.00 T	9.46	**-12.33**	-12.33	-7.50
	Fu.C.7	**70.24**	0.00	0.00	1.58	0.00	0.00 T	7.45	-3.83	-13.86	-13.86
	Fu.C.10	60.82	0.00	0.00	-3.79	7.14	0.00 T	**12.35**	-10.74	-10.74	-5.91
	Fu.C.19	1.30	52.84	4.93	35.78	0.00	0.00 D	**-18.41**	20.92	20.92	-12.03
	Fu.C.23	31.42	59.07	3.61	22.48	0.00	0.00 D	-12.46	15.32	**-17.63**	**-17.63**
	Fu.C.31	30.55	**60.56**	3.76	26.57	0.00	0.00 D	-10.06	15.96	-16.99	-16.99
	Fu.C.34	**-108.22**	0.00	0.00	**63.68**	3.24	0.00 D	-17.12	**41.47**	**41.47**	2.82
	Fu.C.36	-106.31	0.00	0.00	56.62	3.75	0.00 D	-13.21	35.19	35.19	**6.79**
S3	Fu.C.1	**-8.42**	-36.87	7.00	-36.57	0.00	0.00 T	4.47	-11.21	-11.21	0.76
	Fu.C.2	-7.89	-32.46	6.42	-31.56	0.00	0.00 T	5.37	-10.64	-10.64	**1.34**
	Fu.C.9	-4.32	**-37.45**	7.64	-37.45	0.00	0.00 T	6.87	-11.85	-11.85	0.12
	Fu.C.10	-3.79	-32.68	7.06	-32.43	0.00	0.00 T	**7.77**	-11.28	-11.28	0.70
	Fu.C.15	5.68	0.00	0.00	-62.51	0.36	0.00 T	1.96	**-16.37**	-16.37	-4.39
	Fu.C.19	35.78	0.00	0.00	-97.85	3.60	0.00 D	**-22.60**	-3.68	-30.75	-30.75
	Fu.C.27	39.88	0.00	0.00	**-98.72**	3.70	0.00 D	-20.20	-4.32	-31.39	-31.39
	Fu.C.33	63.15	65.93	1.06	-46.00	6.20	0.00 D	-15.71	5.26	**-33.39**	**-33.39**
	Fu.C.34	**63.68**	**67.11**	1.17	-40.99	6.36	0.00 D	-14.81	5.84	-32.81	-32.81
	Fu.C.36	56.62	64.21	1.75	-25.89	6.82	0.00 D	-11.82	**8.69**	-29.95	-29.95
S4	Fu.C.2	-31.56	-32.87	1.16	0.00	0.00	0.00 T	**1.99**	-2.25	11.26	11.26
	Fu.C.10	-32.43	-36.61	1.77	0.00	0.00	0.00 T	1.99	**-4.73**	14.00	14.00
	Fu.C.11	-63.55	**-63.57**	0.11	0.00	0.00	0.00 D	-15.73	-0.29	**18.44**	**18.44**
	Fu.C.19	-97.85	0.00	0.00	0.00	0.00	0.00 D	-38.72	**13.91**	14.05	14.05
	Fu.C.27	**-98.72**	0.00	0.00	0.00	0.00	0.00 D	-38.72	11.43	16.78	16.78
	Fu.C.33	-46.00	0.00	0.00	0.00	0.00	0.00 D	**-39.50**	6.57	6.57	6.57
S5	Fu.C.36	0.00	-0.73	2.68	0.00	0.00	0.00 D	**-59.79**	-0.54	-0.54	0.54
	Fu.C.39	0.00	**-0.82**	2.68	0.00	0.00	0.00 D	-17.66	**-0.61**	**-0.61**	**0.61**
S6	Fu.C.1	0.00	**-1.89**	2.77	0.00	1.45	4.09 T	6.15	0.75	-2.11	-0.74
	Fu.C.34	0.00	18.95	2.77	0.00	0.00	0.00 T	54.50	12.23	**-12.23**	-12.23
	Fu.C.36	0.00	**21.42**	2.77	0.00	0.00	0.00 T	**64.54**	**14.61**	**14.61**	**-13.42**
S7	Fu.C.1	0.00	0.00	0.00	44.74	0.00	0.00 T	**9.16**	18.35	18.35	11.48
	Fu.C.8	0.00	0.00	0.00	**53.09**	0.00	0.00 D	-8.63	21.14	21.14	**14.26**
	Fu.C.24	0.00	0.00	0.00	49.49	0.00	0.00 D	-33.56	**22.80**	**22.80**	10.19
	Fu.C.33	0.00	0.00	0.00	**-22.93**	0.00	0.00 D	-66.63	**-7.64**	**-7.64**	**-7.64**
	Fu.C.38	0.00	0.00	0.00	-8.85	0.00	0.00 D	**-76.30**	-2.95	-2.95	-2.95
S8	Fu.C.1	44.74	0.00	0.00	51.99	0.00	0.00 T	**10.23**	6.78	6.78	3.57
	Fu.C.7	45.49	0.00	0.00	**53.08**	0.00	0.00 T	1.51	**7.03**	**7.03**	3.82
	Fu.C.8	**53.09**	0.00	0.00	44.40	0.00	0.00 D	-6.85	-4.60	-7.81	-7.81

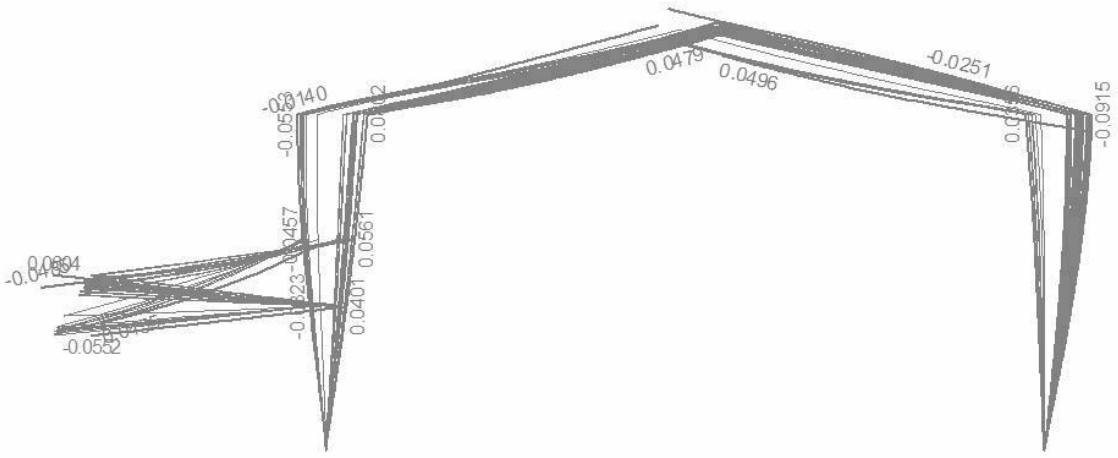
Staaf	B.C.	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Vb	Vmax	Ve
S8	Fu.C.15	40.64	0.00	0.00	48.27	0.00	0.00 T	1.51	6.53	6.53	**4.36**

	Fu.C.23	41.88	**41.89**	0.08	38.26	0.00	0.00	D	-23.69	0.35	-5.53	-5.53
	Fu.C.33	**-22.93**	0.00	0.00	-84.32	0.00	0.00	D	-64.50	-43.85	-43.85	-43.85
	Fu.C.36	-8.85	0.00	0.00	**-96.69**	0.00	0.00	D	-68.86	**-62.74**	**-62.74**	**-62.74**
	Fu.C.38	-8.85	0.00	0.00	-96.69	0.00	0.00	D	**-74.16**	-62.74	-62.74	-62.74
S9	Fu.C.1	51.99	0.00	0.00	68.51	0.00	0.00	T	**13.66**	9.33	9.33	3.37
	Fu.C.3	34.15	**40.22**	2.30	40.12	0.00	0.00	D	-3.16	5.28	5.28	-0.68
	Fu.C.7	**53.08**	0.00	0.00	**70.24**	0.00	0.00	T	4.93	9.58	9.58	3.62
	Fu.C.16	39.59	0.00	0.00	62.55	0.00	0.00	T	4.14	**10.84**	**10.84**	**6.82**
	Fu.C.21	18.24	0.00	0.00	-0.43	2.57	0.00	D	-17.61	-1.71	**-12.64**	**-12.64**
	Fu.C.33	-84.32	0.00	0.00	-101.40	0.00	0.00	D	-45.07	**-6.57**	-6.57	-6.57
	Fu.C.34	-92.99	0.00	0.00	**-108.22**	0.00	0.00	D	**-45.86**	-5.86	-5.86	-5.86
	Fu.C.36	**-96.69**	0.00	0.00	-106.31	0.00	0.00	D	-38.79	-3.70	-3.70	-3.70

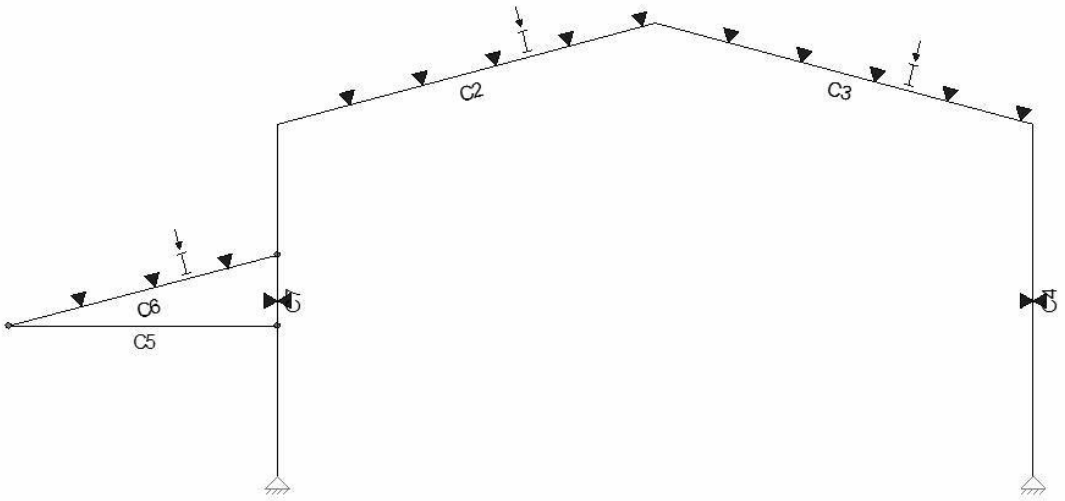
FU.C. EXTREME OPLEGREACTIES

Opleggin g	Knoop	B.C.	Xmax	Z	My	B.C.	X	Zmax	My	B.C.	X	Z	Mymax
O1	K1	Fu.C.33	**7.64**	-66.63	0.00	Fu.C.1	-18.35	**7.83**	0.00				
O1	K1	Fu.C.24	**-22.80**	-33.56	0.00	Fu.C.38	2.95	**-76.30**	0.00				
O2	K5	Fu.C.11	**-18.44**	-15.73	0.00	Fu.C.33	-6.57	**-39.50**	0.00				
Globale extreme waarden													
O1	K1	Fu.C.33	**7.64**	-66.63	0.00								
O1	K1	Fu.C.24	**-22.80**	-33.56	0.00								
O1	K1					Fu.C.1	-18.35	**7.83**	0.00				
O1	K1					Fu.C.38	2.95	**-76.30**	0.00				

AFB. KA.C. VERPLAATSINGEN OMHULLENDE Karakteristiek Belastingscombinaties



AFB. STAALDEFINITIE



KNIKLENGTEGEGEVENS

Staaf	Profiel	Lokale Y-as				Lokale Z-as		
		Lsys	methode	Lbuc	Lbuc/Lsys	methode	Lbuc	Lbuc/Lsys
C2 - V1 (0.000-7.762)	P4	7.760	Ongeschoord	18.320	2.36	Handmatige Invoer	1.500	0.19
C3 - V1 (0.000-7.762)	P4	7.760	Ongeschoord	17.696	2.28	Handmatige Invoer	1.500	0.19
C4 - V1 (0.000-7.000)	P3	7.000	Ongeschoord	15.914	2.27	Handmatige Invoer	3.500	0.50
C5 - V1 (0.000-5.350)	P2	5.350	Cons. gesch.	5.350	1.00	Cons. gesch.	5.350	1.00
C7 - V1 (0.000-7.000)	P4	7.000	Ongeschoord	17.457	2.49	Handmatige Invoer	3.500	0.50

KIPSTEUNENGEGEVENS

Staaf	Profiel	Begin:	Eind:	Kipsteunen boven	Kipsteunen onder	Aangrijphoogte
C2 - V1 (0.000-7.762)	P4	Gesteund	Gesteund	1.5, 3, 4.5, 6, 7.5		Bovenflens
C3 - V1 (0.000-7.762)	P4	Gesteund	Gesteund	1.5, 3, 4.5, 6, 7.5		Bovenflens
C4 - V1 (0.000-7.000)	P3	Gesteund	Gesteund	3.5	3.5	Centrum
C5 - V1 (0.000-5.350)	P2	Gesteund	Gesteund			Centrum
C6 - V1 (0.000-5.530)	P2	Gesteund	Gesteund	1.5, 3, 4.5		Bovenflens
C7 - V1 (0.000-7.000)	P4	Gesteund	Gesteund	3.5	3.5	Centrum

DOORBUIGINGGEGEVENS

Staaf	Constructietype	Toetsing	Zeeg Y'	Zeeg Z'	Zeegvorm	w;max	w;2+w;3
C2 - V1 (0.000-7.762)		Dak	Algemeen	0	0	Parabolisch	L/250 L/250
C3 - V1 (0.000-7.762)		Dak	Algemeen	0	0	Parabolisch	L/250 L/250
C5 - V1 (0.000-5.350)		Vloer	Algemeen	0	0	Parabolisch	L/250 L/333
C6 - V1 (0.000-5.530)		Dak	Algemeen	0	0	Parabolisch	L/250 L/250

UC'S PER CONSTRUCTIEDEEL NEN-EN1993-1-1:2016/NB:2016

Label	Toetsing	Combinatie	Artikel	UC max
C2	Doorsnede	Fu.C.34	NEN-EN1993-1-1(6.12)	0,57
	Stabiliteit	Fu.C.36	NEN-EN1993-1-1(6.46)	0,02
	Stabiliteit	Fu.C.36	NEN-EN1993-1-1(6.46)	0,01
	Stabiliteit	Fu.C.36	NEN-EN1993-1-1(6.61&6.62)	0,99
	Kiptoetsing	Fu.C.36	NEN-EN1993-1-1(6.54)	0,84

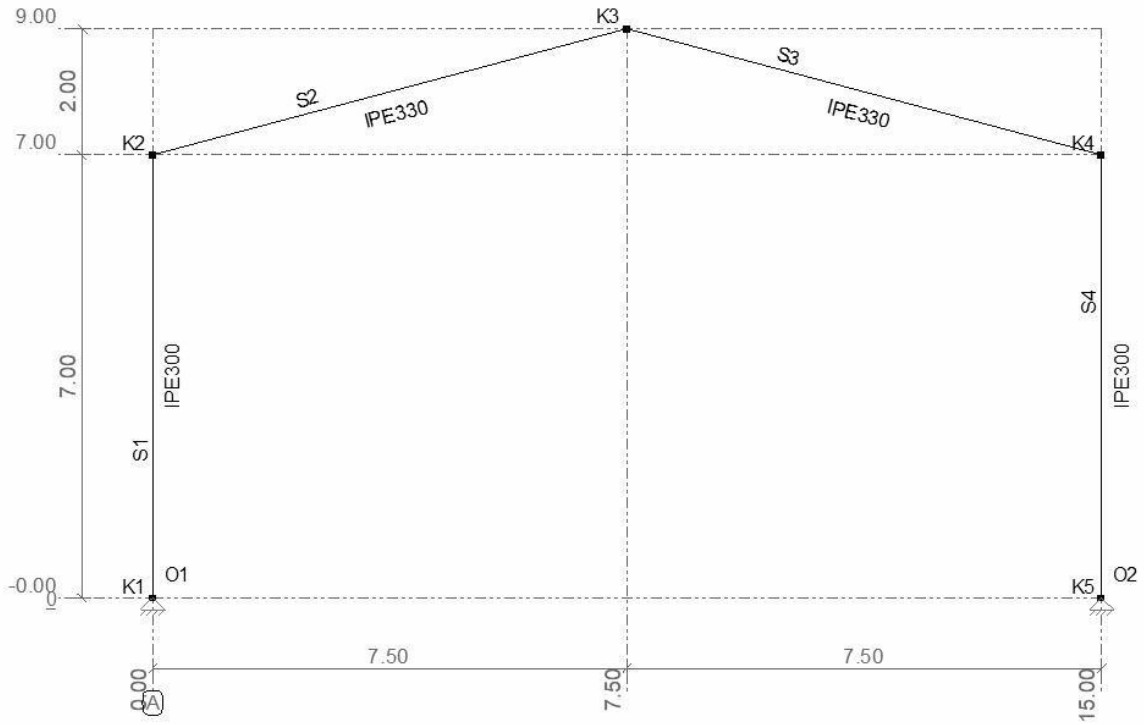
Label	Toetsing	Combinatie	Artikel	UC max
	Doorbuigingstoetsin	Ka.C.32	NEN-EN|NEN-EN1990/NB A1.4.2	0,43
C3	Doorsnede	Fu.C.27	NEN-EN1993-1-1(6.12)	0,52
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.46)	0,03
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.46)	0,02
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.61&6.62)	0,92
	Kiptoetsing	Fu.C.31	NEN-EN1993-1-1(6.54)	0,81
	Doorbuigingstoetsin	Ka.C.37	NEN-EN|NEN-EN1990/NB A1.4.2	0,39
C4	Doorsnede	Fu.C.27	NEN-EN1993-1-1(6.12)	0,67
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.46)	0,07
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.46)	0,06
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.61&6.62)	0,92
	Kiptoetsing	Fu.C.27	NEN-EN1993-1-1(6.54)	0,82
C5	Doorsnede	Fu.C.36	NEN-EN1993-1-1(6.9)	0,11
	Stabiliteit	Fu.C.36	NEN-EN1993-1-1(6.46)	0,13
	Stabiliteit	Fu.C.36	NEN-EN1993-1-1(6.46)	0,92
	Stabiliteit	Fu.C.36	NEN-EN1993-1-1(6.61&6.62)	0,96
	Kiptoetsing	Fu.C.39	NEN-EN1993-1-1(6.54)	0,05
	Doorbuigingstoetsin	Qu.C.1	NEN-EN|NEN-EN1990/NB A1.4.2	0,03
C6	Doorsnede	Fu.C.36	NEN-EN1993-1-1(6.12)	0,55
	Kiptoetsing	Fu.C.36	NEN-EN1993-1-1(6.54)	0,62
	Doorbuigingstoetsin	Ka.C.37	NEN-EN|NEN-EN1990/NB A1.4.2	0,87
C7	Doorsnede	Fu.C.34	NEN-EN1993-1-1(6.12)	0,57
	Stabiliteit	Fu.C.34	NEN-EN1993-1-1(6.46)	0,11
	Stabiliteit	Fu.C.34	NEN-EN1993-1-1(6.46)	0,09
	Stabiliteit	Fu.C.34	NEN-EN1993-1-1(6.61&6.62)	0,88
	Kiptoetsing	Fu.C.34	NEN-EN1993-1-1(6.54)	0,81

SPANT AS D

h.o.h. = 5000mm,

belasting wordt door programma gegenereerd.

AFB. GEOMETRIE



STAVEN

Staaf	Knoop B	Knoop E	X-B	Z-B	X-E	Z-E	Lengte Profiel	Positie
S1	K1	K2	0,00	0,00	0,00	-7,00	7,00 P3	0,00 - L(7,00)
S2	K2	K3	0,00	-7,00	7,50	-9,00	7,76 P2	0,00 - L(7,76)
S3	K3	K4	7,50	-9,00	15,00	-7,00	7,76 P2	0,00 - L(7,76)
S4	K4	K5	15,00	-7,00	15,00	0,00	7,00 P3	0,00 - L(7,00)

PROFIELEN

Profiel	Profielnaam	Oppervlakte	Iy	Materiaal	Hoek
P2	IPE330	6.2606e-03	1.1767e-04	S235	0,0
P3	IPE300	5.3812e-03	8.3561e-05	S235	0,0

MATERIALEN

Materiaal	Dichtheid	E-Modulus	Uitzettingcoeff
S235	78.50	2.1000e+08	12.0000e-06

OPLEGGINGEN

Oplegging	Object	Positie	X	Z	Yr	HoekYr
O1	K1	0,00	Vast	Vast	Vrij	0
O2	K5	0,00	Vast	Vast	Vrij	0

GEWICHTSBEREKENING

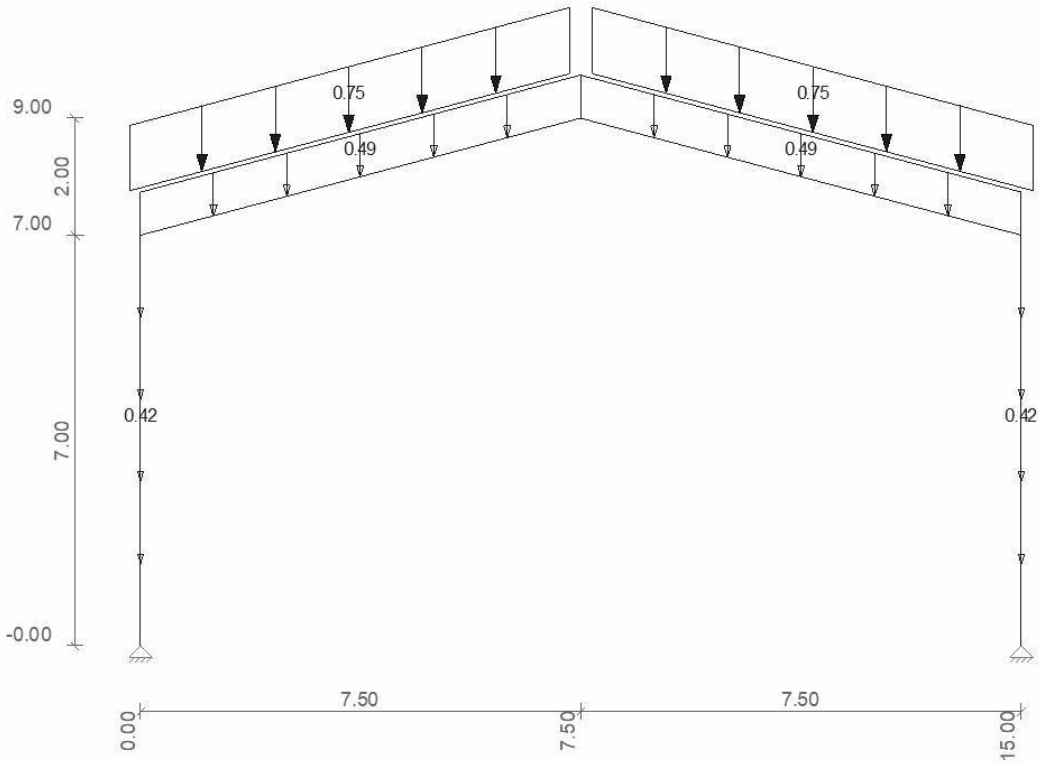
Index	Staven	Berekening	Waarde	Eenhede
Gemeenschappelijk				
	Belastingen en vervormingen	NEN-EN1991		
Lsys1	Systeemmaat	5.00	5,00	[m]
Height1	Totale hoogte van constructie	9.00	9,00	[m]

Width1	Totale diepte van constructie	15.00	15,00 [m]
Width2	Totale breedte van constructie	20.00	20,00 [m]
LR1 (Permanente Belasting)			
	Permanente Belasting	NEN-EN1991-1-1:2011/NB:2011	
	Hellend dak (S2,S3)		
Index	**Staven**	**Berekening**	**Waarde Eenhede**
LR1 (Permanente Belasting)			
Pp1	Stalen dak + windvb	0.15	0,15 [kN/m²]
q1	Permanente Belasting	Pp1*Lsys1	0,75 [kN/m]
LR2 (Windbelasting Algemeen)			
	Windbelasting Algemeen	NEN-EN1991-1-4:2011/NB:2011	
Width3	Gemiddelde breedte (b)	5.00	5,00 [m]
Height2	Totale hoogte van constructie	9.00	9,00 [m]
Z1	Referentiehoogte	0.6*Height2	5,40 [m]
Region1	Regio	3	3,00
Cat1	Terrein	Onbebouwd	2,00
Co1	Orthografie factor (C0)	1.00	1,00
CsCd1	Constructie factor (CsCd)	1.00	1,00
C1	Correlatie factor	0.85	0,85
LR3 (Windbelasting van Links + Overdruk)			
	Windbelasting van Links + Overdruk	NEN-EN1991-1-4:2011/NB:2011	
A1	Belast oppervlak (A)	45.00	45,00 [m²]
Cpe1	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.60)	0,80
Cpi1	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe1,Openingen=0.00,Over=True)	0,20
Z2	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5	9.00	9,00 [m]
Qp1	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z2,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]
Cpe2	Vertikale wand; Druk coefficient (Cpe): S1,S4	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.60)	0,80
q2	Vertikale wand; Verdeelde element belasting (q): S1,S4	(Qp1*Cpe2*CsCd1) * Lsys1	2,71 [kN/m]
Cpe3	Vertikale wand; Druk coefficient (Cpe): S1,S4	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=E,hd=0.60)	-0,50
C2	Vertikale wand; Druk coefficient (Cpe) incl. correlatiefactor: S1,S4	(Cpe2-Cpe3) * C1	1,11
q3	Vertikale wand; Verdeelde element belasting (q): S1,S4	(Qp1*(Cpe3+C2)*CsCd1) * Lsys1	2,05 [kN/m]
q4	Interne druk; Verdeelde element belasting (q)	(Cpi1*Qp1) * Lsys1	0,68 [kN/m]
Cpe4	Zadeldak; Druk coefficient (Cpe): S2	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=G,Hoek=14.93)	-0,80
q5	Zadeldak; Verdeelde element belasting (q): S2	(Qp1*Cpe4*CsCd1) * Lsys1	-2,72 [kN/m]
Cpe5	Zadeldak; Druk coefficient (Cpe): S2	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=H,Hoek=14.93)	-0,30
q6	Zadeldak; Verdeelde element belasting (q): S2	(Qp1*Cpe5*CsCd1) * Lsys1	-1,02 [kN/m]
Cpe6	Zadeldak; Druk coefficient (Cpe): S3	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=J,Hoek=14.93)	-0,99
q7	Zadeldak; Verdeelde element belasting (q): S3	(Qp1*Cpe6*CsCd1) * Lsys1	-3,35 [kN/m]
Cpe7	Zadeldak; Druk coefficient (Cpe): S3	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=I,Hoek=14.93)	-0,40
q8	Zadeldak; Verdeelde element belasting (q): S3	(Qp1*Cpe7*CsCd1) * Lsys1	-1,36 [kN/m]
q9	Vertikale wand; Verdeelde element belasting (q): S4	(Qp1*Cpe3*CsCd1) * Lsys1	-1,69 [kN/m]
q10	Vertikale wand; Verdeelde element belasting (q): S4	(Qp1*(Cpe2-C2)*CsCd1) * Lsys1	-1,03 [kN/m]
LR4 (Windbelasting van Links + Overdruk (2e Cpe))			
	Windbelasting van Links + Overdruk (2e Cpe)	NEN-EN1991-1-4:2011/NB:2011	
A2	Belast oppervlak (A)	45.00	45,00 [m²]
Cpe8	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.60)	0,80
Cpi2	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe8,Openingen=0.00,Over=True)	0,20
Z3	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5	9.00	9,00 [m]
Qp2	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z3,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]
Cpe9	Vertikale wand; Druk coefficient (Cpe): S1,S4	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.60,Eerst=False)	0,80
q11	Vertikale wand; Verdeelde element belasting (q): S1,S4	(Qp2*Cpe9*CsCd1) * Lsys1	2,71 [kN/m]
Cpe10	Vertikale wand; Druk coefficient (Cpe): S1,S4	NEN-EN1991-1-4#7.2(Dak=Wand,	-0,50

		Zone=E,hd=0.60,Eerst=False)	
C3	Vertikale wand; Druk coefficient (Cpe) incl. correlatiefactor: S1,S4	(Cpe9-Cpe10) * C1	1,11
q12	Vertikale wand; Verdeelde element belasting (q): S1,S4	(Qp2*(Cpe10+C3)*CsCd1) * Lsys1	2,05 [kN/m]
Index	**Staven**	**Berekening**	**Waarde Eenhede**
LR4 (Windbelasting van Links + Overdruk (2e Cpe))			
q13	Interne druk; Verdeelde element belasting (q)	(Cpi2*Qp2) * Lsys1	0,68 [kN/m]
Cpe11	Zadeldak; Druk coefficient (Cpe): S2	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=G,Hoek=14.93,Eerst=False)	0,20
q14	Zadeldak; Verdeelde element belasting (q): S2	(Qp2*Cpe11*CsCd1) * Lsys1	0,67 [kN/m]
Cpe12	Zadeldak; Druk coefficient (Cpe): S2	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=H,Hoek=14.93,Eerst=False)	0,20
q15	Zadeldak; Verdeelde element belasting (q): S2	(Qp2*Cpe12*CsCd1) * Lsys1	0,67 [kN/m]
Cpe13	Zadeldak; Druk coefficient (Cpe): S3	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=J,Hoek=14.93,Eerst=False)	0,00
q16	Zadeldak; Verdeelde element belasting (q): S3	(Qp2*Cpe13*CsCd1) * Lsys1	0,00 [kN/m]
Cpe14	Zadeldak; Druk coefficient (Cpe): S3	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=I,Hoek=14.93,Eerst=False)	0,00
q17	Zadeldak; Verdeelde element belasting (q): S3	(Qp2*Cpe14*CsCd1) * Lsys1	0,00 [kN/m]
q18	Vertikale wand; Verdeelde element belasting (q): S4	(Qp2*Cpe10*CsCd1) * Lsys1	-1,69 [kN/m]
q19	Vertikale wand; Verdeelde element belasting (q): S4	(Qp2*(Cpe9-C3)*CsCd1) * Lsys1	-1,03 [kN/m]
LR5 (Windbelasting van Links + Onderdruk)			
	Windbelasting van Links + Onderdruk	NEN-EN1991-1-4:2011/NB:2011	
A3	Belast oppervlak (A)	45.00	45,00 [m²]
Cpe15	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.60)	-0,50
Cpi3	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe15,Openingen=0.00,Over=False)	-0,30
Z4	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5	9.00	9,00 [m]
Qp3	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z4,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]
Cpe16	Vertikale wand; Druk coefficient (Cpe): S1,S4	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D,hd=0.60)	0,80
q20	Vertikale wand; Verdeelde element belasting (q): S1,S4	(Qp3*Cpe16*CsCd1) * Lsys1	2,71 [kN/m]
Cpe17	Vertikale wand; Druk coefficient (Cpe): S1,S4	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.60)	-0,50
C4	Vertikale wand; Druk coefficient (Cpe) incl. correlatiefactor: S1,S4	(Cpe16-Cpe17) * C1	1,11
q21	Vertikale wand; Verdeelde element belasting (q): S1,S4	(Qp3*(Cpe17+C4)*CsCd1) * Lsys1	2,05 [kN/m]
q22	Interne druk; Verdeelde element belasting (q)	(Cpi3*Qp3) * Lsys1	-1,01 [kN/m]
Cpe18	Zadeldak; Druk coefficient (Cpe): S2	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=G,Hoek=14.93)	-0,80
q23	Zadeldak; Verdeelde element belasting (q): S2	(Qp3*Cpe18*CsCd1) * Lsys1	-2,72 [kN/m]
Cpe19	Zadeldak; Druk coefficient (Cpe): S2	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=H,Hoek=14.93)	-0,30
q24	Zadeldak; Verdeelde element belasting (q): S2	(Qp3*Cpe19*CsCd1) * Lsys1	-1,02 [kN/m]
Cpe20	Zadeldak; Druk coefficient (Cpe): S3	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=J,Hoek=14.93)	-0,99
q25	Zadeldak; Verdeelde element belasting (q): S3	(Qp3*Cpe20*CsCd1) * Lsys1	-3,35 [kN/m]
Cpe21	Zadeldak; Druk coefficient (Cpe): S3	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=I,Hoek=14.93)	-0,40
q26	Zadeldak; Verdeelde element belasting (q): S3	(Qp3*Cpe21*CsCd1) * Lsys1	-1,36 [kN/m]
q27	Vertikale wand; Verdeelde element belasting (q): S4	(Qp3*Cpe17*CsCd1) * Lsys1	-1,69 [kN/m]
q28	Vertikale wand; Verdeelde element belasting (q): S4	(Qp3*(Cpe16-C4)*CsCd1) * Lsys1	-1,03 [kN/m]
LR6 (Windbelasting van Links + Onderdruk (2e Cpe))			
	Windbelasting van Links + Onderdruk (2e Cpe)	NEN-EN1991-1-4:2011/NB:2011	
A4	Belast oppervlak (A)	45.00	45,00 [m²]
Cpe22	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.60)	-0,50
Cpi4	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe22,Openingen=0.00,Over=False)	-0,30
Z5	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5	9.00	9,00 [m]
Qp4	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z5,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]

Cpe23	Vertikale wand; Druk coefficient (Cpe): S1,S4	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.60,Eerst=False)	0,80
Index	**Staven**	**Berekening**	**Waarde Eenhede**
LR6 (Windbelasting van Links + Onderdruk (2e Cpe))			
q29	Vertikale wand; Verdeelde element belasting (q): S1,S4	(Qp4*Cpe23*CsCd1) * Lsys1	2,71 [kN/m]
Cpe24	Vertikale wand; Druk coefficient (Cpe): S1,S4	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=E,hd=0.60,Eerst=False)	-0,50
C5	Vertikale wand; Druk coefficient (Cpe) incl. correlatiefactor: S1,S4	(Cpe23-Cpe24) * C1	1,11
q30	Vertikale wand; Verdeelde element belasting (q): S1,S4	(Qp4*(Cpe24+C5)*CsCd1) * Lsys1	2,05 [kN/m]
q31	Interne druk; Verdeelde element belasting (q)	(Cpi4*Qp4) * Lsys1	-1,01 [kN/m]
Cpe25	Zadeldak; Druk coefficient (Cpe): S2	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=G,Hoek=14.93,Eerst=False)	0,20
q32	Zadeldak; Verdeelde element belasting (q): S2	(Qp4*Cpe25*CsCd1) * Lsys1	0,67 [kN/m]
Cpe26	Zadeldak; Druk coefficient (Cpe): S2	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=H,Hoek=14.93,Eerst=False)	0,20
q33	Zadeldak; Verdeelde element belasting (q): S2	(Qp4*Cpe26*CsCd1) * Lsys1	0,67 [kN/m]
Cpe27	Zadeldak; Druk coefficient (Cpe): S3	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=J,Hoek=14.93,Eerst=False)	0,00
q34	Zadeldak; Verdeelde element belasting (q): S3	(Qp4*Cpe27*CsCd1) * Lsys1	0,00 [kN/m]
Cpe28	Zadeldak; Druk coefficient (Cpe): S3	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=I,Hoek=14.93,Eerst=False)	0,00
q35	Zadeldak; Verdeelde element belasting (q): S3	(Qp4*Cpe28*CsCd1) * Lsys1	0,00 [kN/m]
q36	Vertikale wand; Verdeelde element belasting (q): S4	(Qp4*Cpe24*CsCd1) * Lsys1	-1,69 [kN/m]
q37	Vertikale wand; Verdeelde element belasting (q): S4	(Qp4*(Cpe23-C5)*CsCd1) * Lsys1	-1,03 [kN/m]
LR7 (Sneeuwbelasting)			
	Sneeuwbelasting	NEN-EN1991-1-3:2011/NB:2011	
Sk1	Karakteristiek waarde van de sneeuwlast op de grond (Sk)	NEN-EN1991-1-3#4.1(Zone=1)	0,70 [kN/m²]
Ce1	De milieucoefficient (Ce)	NEN-EN1991-1-3#5.2.7()	1,00
Ct1	De thermische coefficient (Ct)	NEN-EN1991-1-3#5.2.8()	1,00
	Zadeldak, Mu1 Hoek: 14.93; S2,S3		
Mu1	Mu1; Sneeuwbelasting coefficient (Mu)	EN1991-1-3#5.3(Dak=Hellend,Hoek=14.93,Mu=Mu1,Sk=Sk1)	0,80
q38	Verdeelde element belasting (q)	(Sk1*Ce1*Ct1*Mu1) * Lsys1	2,80 [kN/m]
q39	Verdeelde element belasting (q)	q38*0.50	1,40 [kN/m]

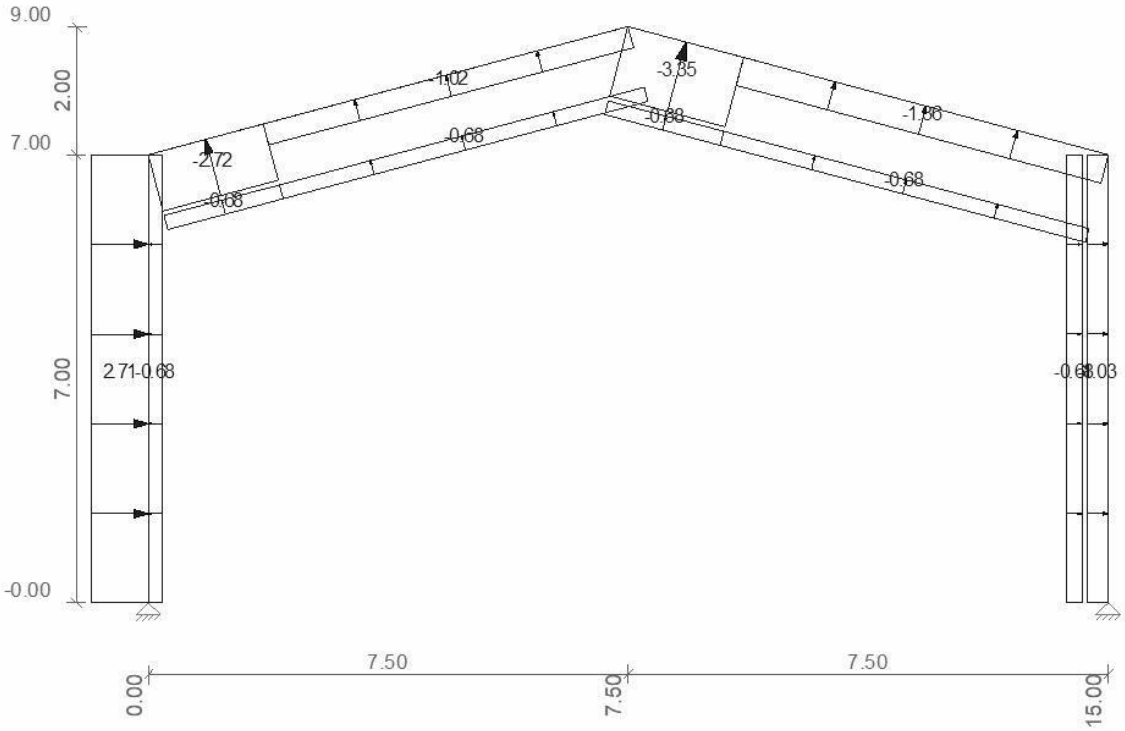
B.G.1: PERMANENTE BELASTING



B.G.1: PERMANENTE BELASTING

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.1: Permanente Belasting					
qG	0,42 (1.00x)	0,42 (1.00x)	0,00	7,00(L)	Z" S1,S4
qG	0,49 (1.00x)	0,49 (1.00x)	0,00	7,76(L)	Z" S2-S3
q	0,75 (q1)	0,75 (q1)	0,00	7,76(L)	Z" S2-S3
Som lasten		**X: 0,00 kN Z: 25,19 kN**			

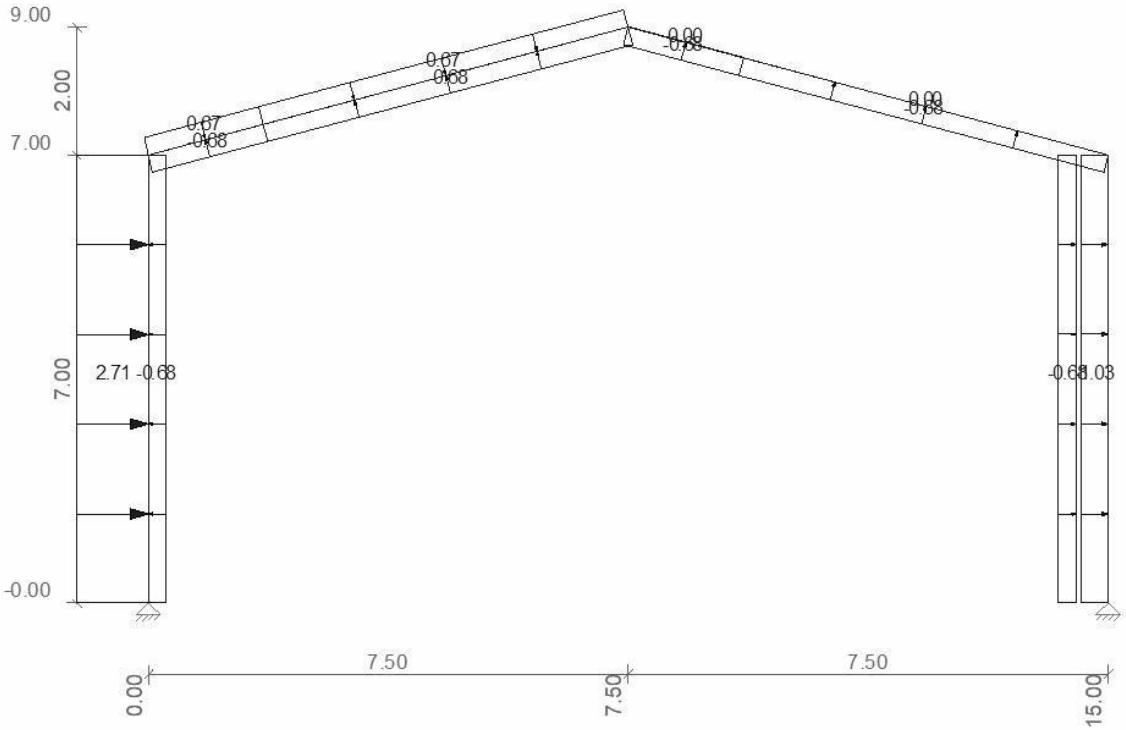
B.G.2: WINDBELASTING VAN LINKS + OVERDRUK



B.G.2: WINDBELASTING VAN LINKS + OVERDRUK

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.2: Windbelasting van Links + Overdruk					
q	2,71 (q2)	2,71 (q2)	0,00	7,00(L)	Z' S1
q	-0,68 (-q4)	-0,68 (-q4)	0,00	7,00(L)	Z' S1,S4
q	-2,72 (q5)	-2,72 (q5)	0,00	1,86	Z' S2
q	-0,68 (-q4)	-0,68 (-q4)	0,00	1,86	Z' S2-S3
q	-1,02 (q6)	-1,02 (q6)	1,86	7,76(L)	Z' S2
q	-0,68 (-q4)	-0,68 (-q4)	1,86	7,76(L)	Z' S2-S3
q	-3,35 (q7)	-3,35 (q7)	0,00	1,86	Z' S3
q	-1,36 (q8)	-1,36 (q8)	1,86	7,76(L)	Z' S3
q	-1,03 (q10)	-1,03 (q10)	0,00	7,00(L)	Z' S4
Som lasten		**X: 26,98 kN**	**Z: -34,63 kN**		

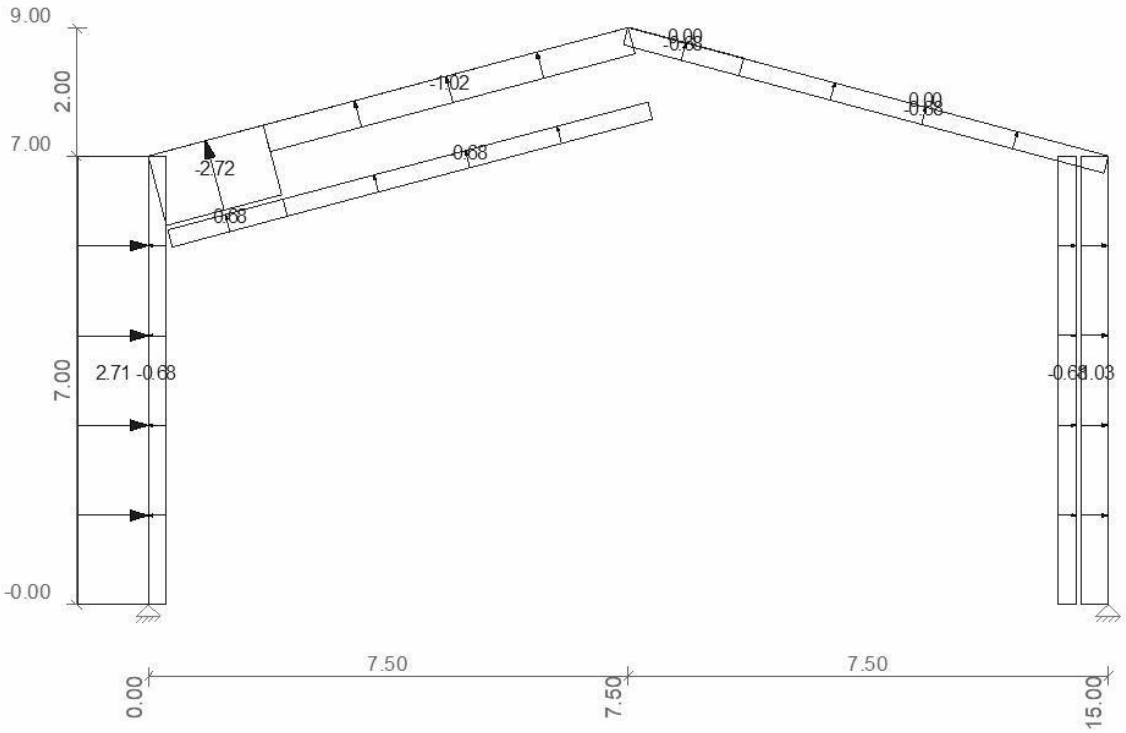
B.G.3: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE)



B.G.3: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.3: Windbelasting van Links + Overdruk (2e Cpe)					
q	2,71 (q11)	2,71 (q11)	0,00	7,00(L)	Z' S1
q	-0,68 (-q13)	-0,68 (-q13)	0,00	7,00(L)	Z' S1,S4
q	0,67 (q14)	0,67 (q14)	0,00	1,86	Z' S2
q	-0,68 (-q13)	-0,68 (-q13)	0,00	1,86	Z' S2-S3
q	0,67 (q15)	0,67 (q15)	1,86	7,76(L)	Z' S2
q	-0,68 (-q13)	-0,68 (-q13)	1,86	7,76(L)	Z' S2-S3
q	0,00 (q16)	0,00 (q16)	0,00	1,86	Z' S3
q	0,00 (q17)	0,00 (q17)	1,86	7,76(L)	Z' S3
q	-1,03 (q19)	-1,03 (q19)	0,00	7,00(L)	Z' S4
Som lasten		**X: 27,50 kN**	**Z: -5,10 kN**		

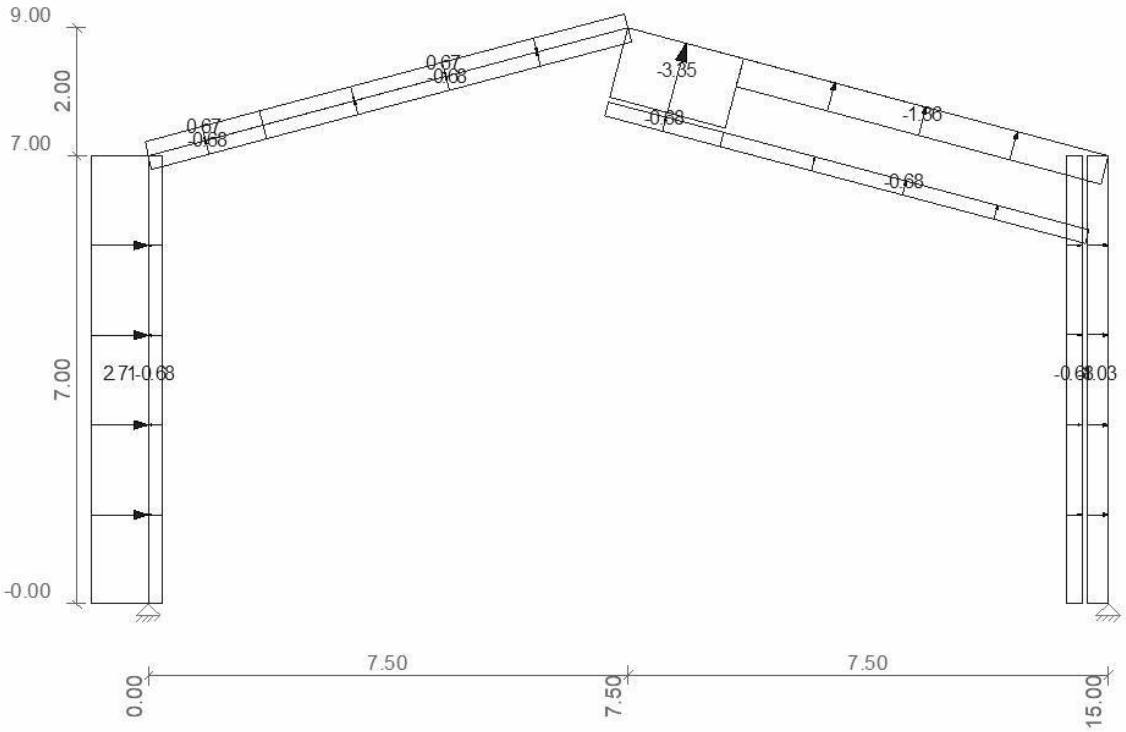
B.G.4: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE)



B.G.4: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.4: Windbelasting van Links + Overdruk (Zadeldak FGH 1e Cpe + IJ 2e Cpe)						
q	2,71 (q2)	2,71 (q2)	0,00	7,00(L)		Z' S1
q	-0,68 (-q4)	-0,68 (-q4)	0,00	7,00(L)		Z' S1,S4
q	-2,72 (q5)	-2,72 (q5)	0,00	1,86		Z' S2
q	-0,68 (-q4)	-0,68 (-q4)	0,00	1,86		Z' S2-S3
q	-1,02 (q6)	-1,02 (q6)	1,86	7,76(L)		Z' S2
q	-0,68 (-q4)	-0,68 (-q4)	1,86	7,76(L)		Z' S2-S3
q	0,00 (q16)	0,00 (q16)	0,00	1,86		Z' S3
q	0,00 (q17)	0,00 (q17)	1,86	7,76(L)		Z' S3
q	-1,03 (q10)	-1,03 (q10)	0,00	7,00(L)		Z' S4
Som lasten		**X: 23,30 kN**	**Z: -20,85 kN**			

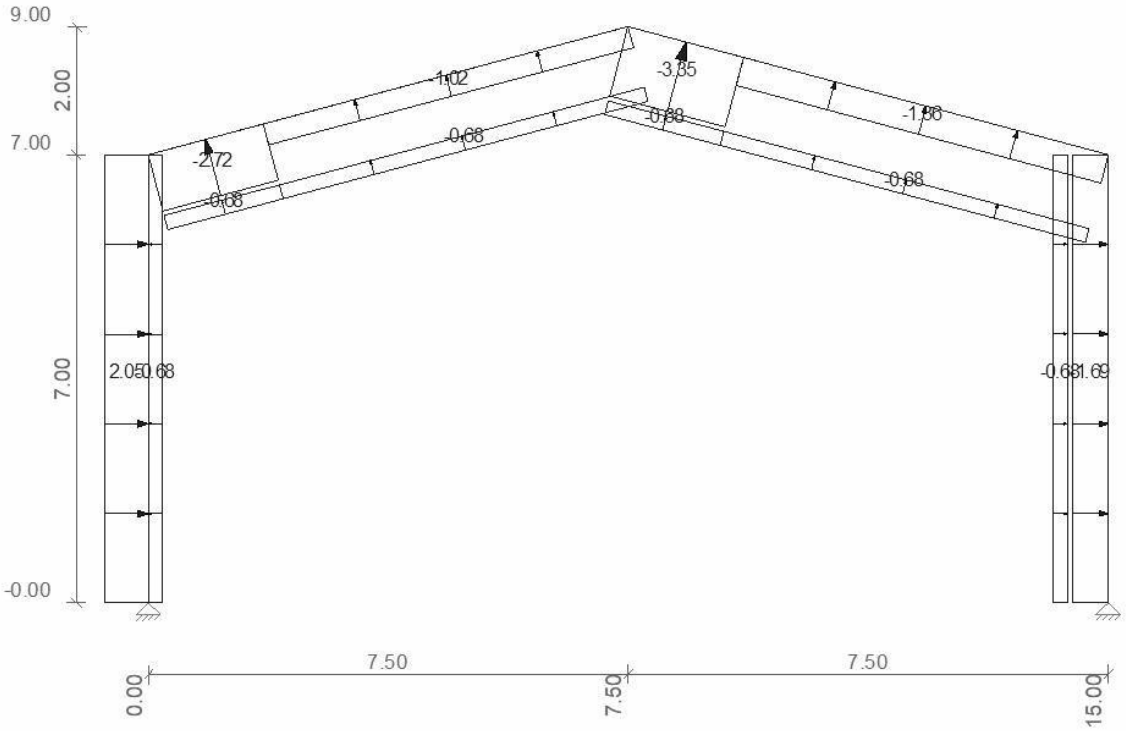
B.G.5: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE)



B.G.5: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.5: Windbelasting van Links + Overdruk (Zadeldak FGH 2e Cpe + IJ 1e Cpe)						
q	2,71 (q2)	2,71 (q2)	0,00	7,00(L)		Z' S1
q	-0,68 (-q4)	-0,68 (-q4)	0,00	7,00(L)		Z' S1,S4
q	0,67 (q14)	0,67 (q14)	0,00	1,86		Z' S2
q	-0,68 (-q4)	-0,68 (-q4)	0,00	1,86		Z' S2-S3
q	0,67 (q15)	0,67 (q15)	1,86	7,76(L)		Z' S2
q	-0,68 (-q4)	-0,68 (-q4)	1,86	7,76(L)		Z' S2-S3
q	-3,35 (q7)	-3,35 (q7)	0,00	1,86		Z' S3
q	-1,36 (q8)	-1,36 (q8)	1,86	7,76(L)		Z' S3
q	-1,03 (q10)	-1,03 (q10)	0,00	7,00(L)		Z' S4
Som lasten		**X: 31,18 kN**	**Z: -18,88 kN**			

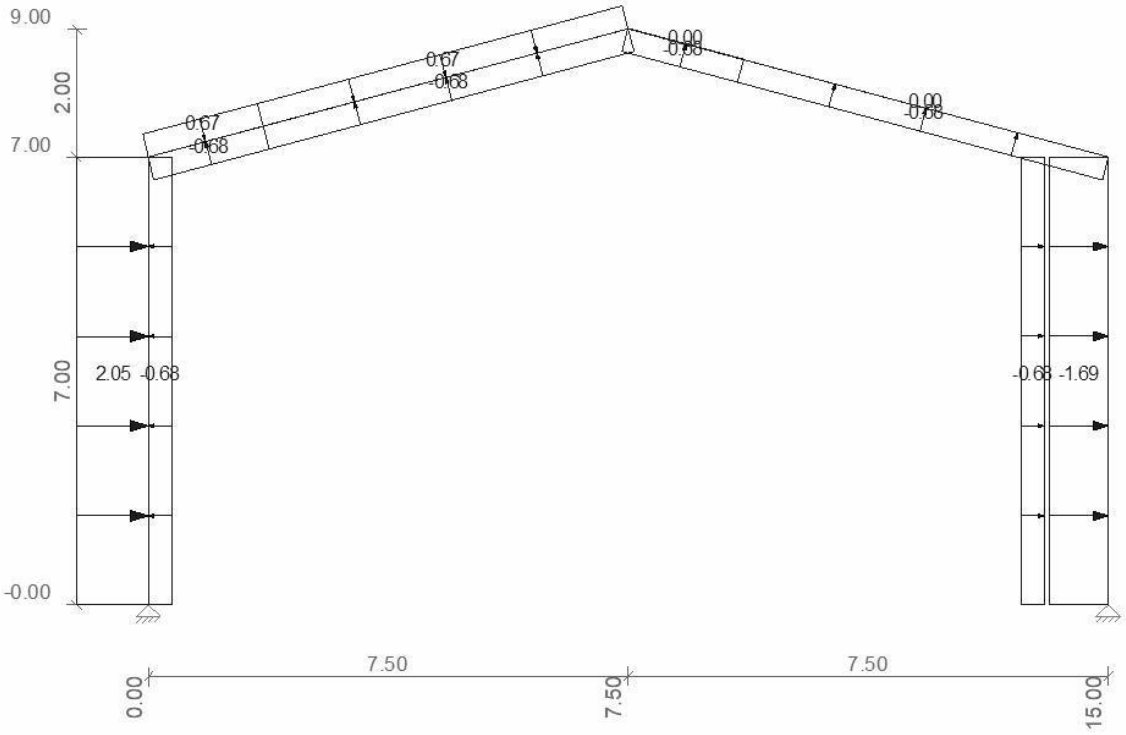
B.G.6: WINDBELASTING VAN LINKS + OVERDRUK (2E CORR. FACTOR)



B.G.6: WINDBELASTING VAN LINKS + OVERDRUK (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.6: Windbelasting van Links + Overdruk (2e corr. factor)					
q	2,05 (q3)	2,05 (q3)	0,00	7,00(L)	Z' S1
q	-1,69 (q9)	-1,69 (q9)	0,00	7,00(L)	Z' S4
q	-0,68 (-q4)	-0,68 (-q4)	0,00	7,00(L)	Z' S1,S4
q	-2,72 (q5)	-2,72 (q5)	0,00	1,86	Z' S2
q	-0,68 (-q4)	-0,68 (-q4)	0,00	1,86	Z' S2-S3
q	-1,02 (q6)	-1,02 (q6)	1,86	7,76(L)	Z' S2
q	-0,68 (-q4)	-0,68 (-q4)	1,86	7,76(L)	Z' S2-S3
q	-3,35 (q7)	-3,35 (q7)	0,00	1,86	Z' S3
q	-1,36 (q8)	-1,36 (q8)	1,86	7,76(L)	Z' S3
Som lasten		**X: 26,98 kN**	**Z: -34,63 kN**		

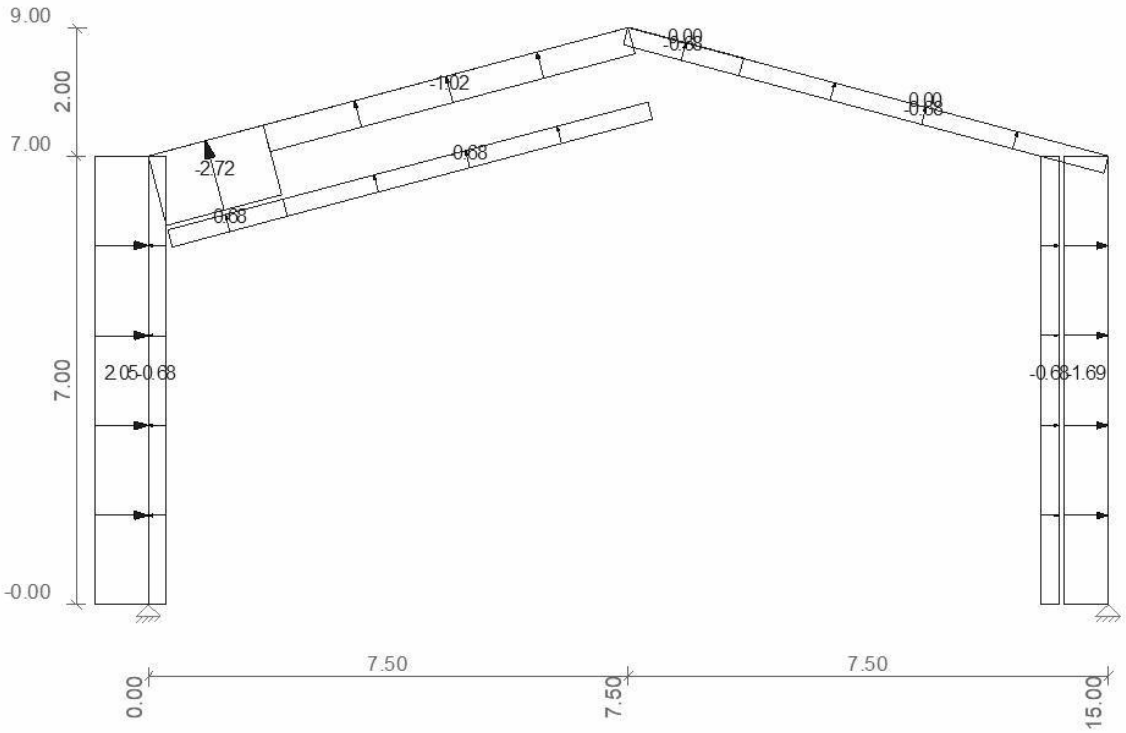
B.G.7: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE) (2E CORR. FACTOR)



B.G.7: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.7: Windbelasting van Links + Overdruk (2e Cpe) (2e corr. factor)					
q	2,05 (q12)	2,05 (q12)	0,00	7,00(L)	Z' S1
q	-1,69 (q18)	-1,69 (q18)	0,00	7,00(L)	Z' S4
q	-0,68 (-q13)	-0,68 (-q13)	0,00	7,00(L)	Z' S1,S4
q	0,67 (q14)	0,67 (q14)	0,00	1,86	Z' S2
q	-0,68 (-q13)	-0,68 (-q13)	0,00	1,86	Z' S2-S3
q	0,67 (q15)	0,67 (q15)	1,86	7,76(L)	Z' S2
q	-0,68 (-q13)	-0,68 (-q13)	1,86	7,76(L)	Z' S2-S3
q	0,00 (q16)	0,00 (q16)	0,00	1,86	Z' S3
q	0,00 (q17)	0,00 (q17)	1,86	7,76(L)	Z' S3
Som lasten		**X: 27,50 kN**	**Z: -5,10 kN**		

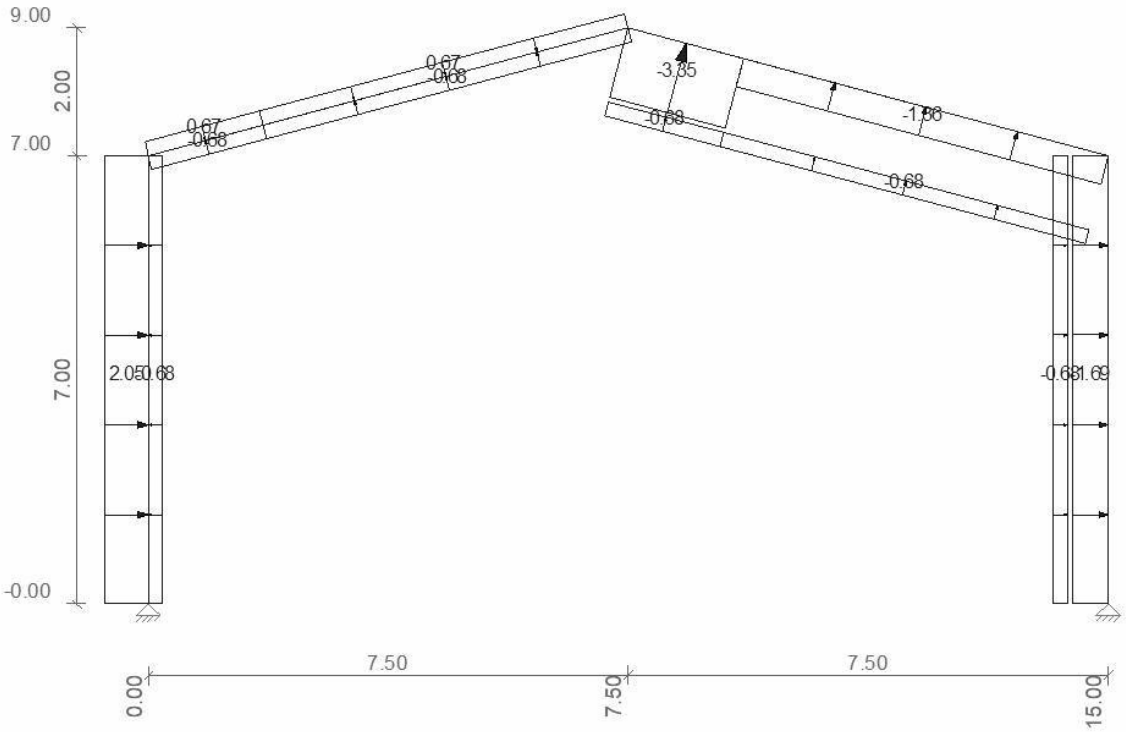
B.G.8: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE) (2E CORR. FACTOR)



B.G.8: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.8: Windbelasting van Links + Overdruk (Zadeldak FGH 1e Cpe + IJ 2e Cpe) (2e corr. factor)					
q	2,05 (q3)	2,05 (q3)	0,00	7,00(L)	Z' S1
q	-1,69 (q9)	-1,69 (q9)	0,00	7,00(L)	Z' S4
q	-0,68 (-q4)	-0,68 (-q4)	0,00	7,00(L)	Z' S1,S4
q	-2,72 (q5)	-2,72 (q5)	0,00	1,86	Z' S2
q	-0,68 (-q4)	-0,68 (-q4)	0,00	1,86	Z' S2-S3
q	-1,02 (q6)	-1,02 (q6)	1,86	7,76(L)	Z' S2
q	-0,68 (-q4)	-0,68 (-q4)	1,86	7,76(L)	Z' S2-S3
q	0,00 (q16)	0,00 (q16)	0,00	1,86	Z' S3
q	0,00 (q17)	0,00 (q17)	1,86	7,76(L)	Z' S3
Som lasten		**X: 23,30 kN Z: -20,85 kN**			

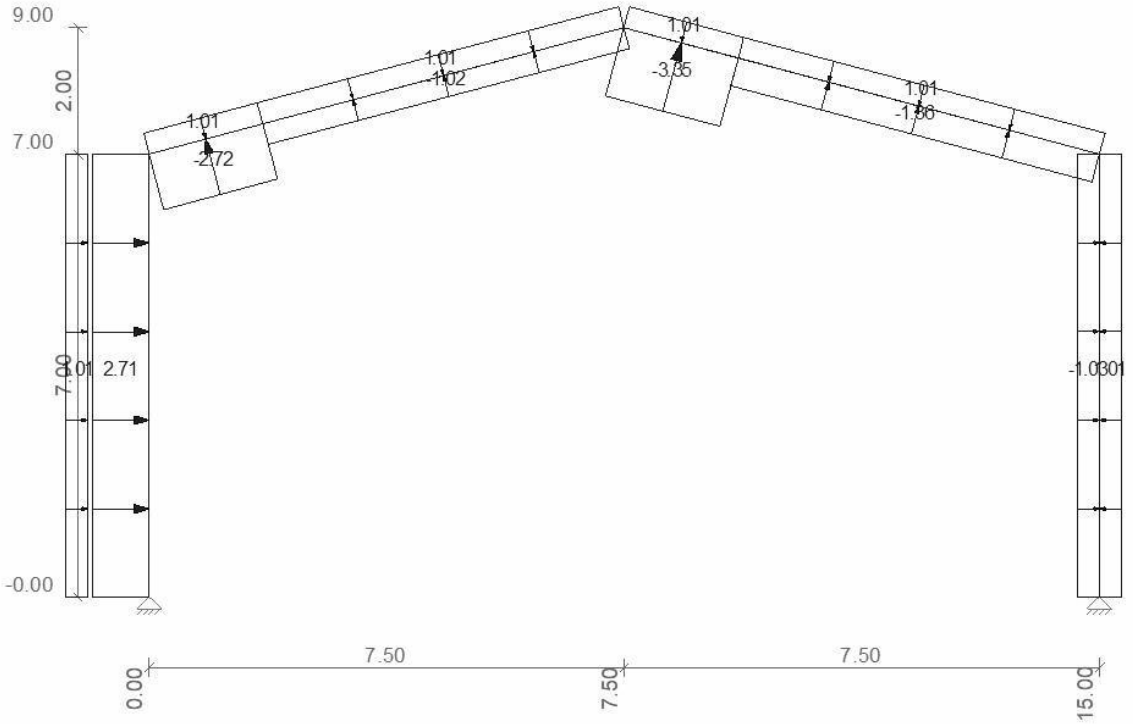
B.G.9: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE) (2E CORR. FACTOR)



B.G.9: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.9: Windbelasting van Links + Overdruk (Zadeldak FGH 2e Cpe + IJ 1e Cpe) (2e corr. factor)					
q	2,05 (q3)	2,05 (q3)	0,00	7,00(L)	Z' S1
q	-1,69 (q9)	-1,69 (q9)	0,00	7,00(L)	Z' S4
q	-0,68 (-q4)	-0,68 (-q4)	0,00	7,00(L)	Z' S1,S4
q	0,67 (q14)	0,67 (q14)	0,00	1,86	Z' S2
q	-0,68 (-q4)	-0,68 (-q4)	0,00	1,86	Z' S2-S3
q	0,67 (q15)	0,67 (q15)	1,86	7,76(L)	Z' S2
q	-0,68 (-q4)	-0,68 (-q4)	1,86	7,76(L)	Z' S2-S3
q	-3,35 (q7)	-3,35 (q7)	0,00	1,86	Z' S3
q	-1,36 (q8)	-1,36 (q8)	1,86	7,76(L)	Z' S3
Som lasten		**X: 31,18 kN Z: -18,88 kN**			

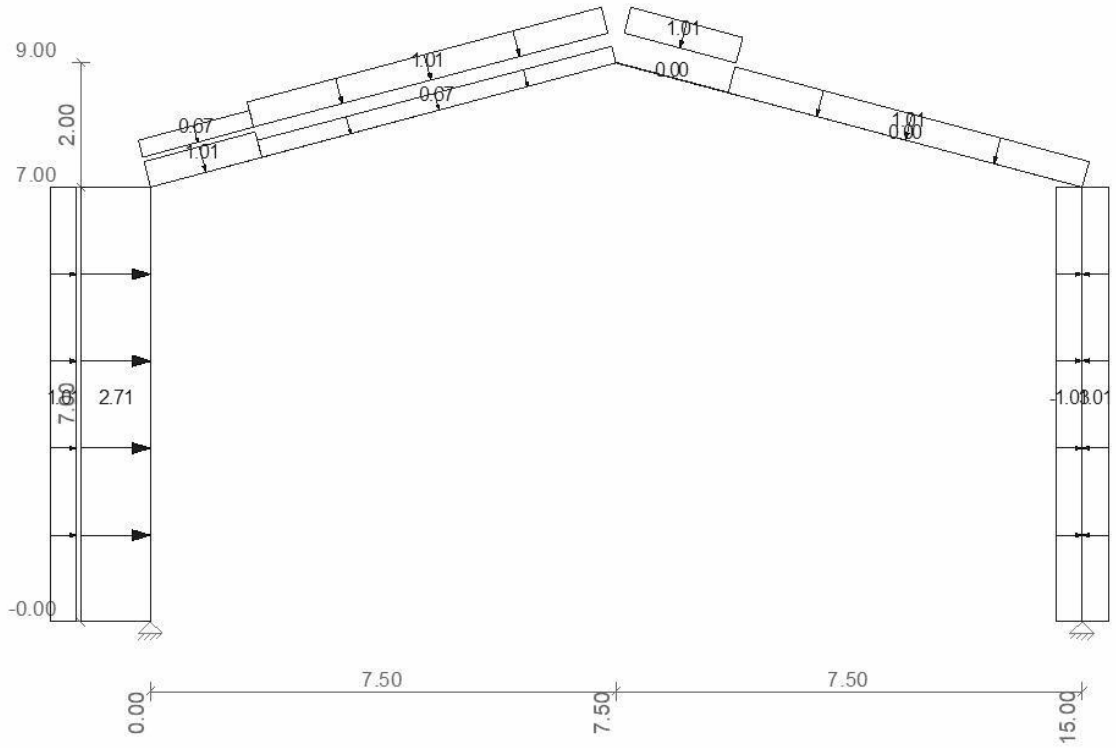
B.G.10: WINDBELASTING VAN LINKS + ONDERDRUK



B.G.10: WINDBELASTING VAN LINKS + ONDERDRUK

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.10: Windbelasting van Links + Onderdruk					
q	2,71 (q20)	2,71 (q20)	0,00	7,00(L)	Z' S1
q	1,01 (-q22)	1,01 (-q22)	0,00	7,00(L)	Z' S1,S4
q	-2,72 (q23)	-2,72 (q23)	0,00	1,86	Z' S2
q	1,01 (-q22)	1,01 (-q22)	0,00	1,86	Z' S2-S3
q	-1,02 (q24)	-1,02 (q24)	1,86	7,76(L)	Z' S2
q	1,01 (-q22)	1,01 (-q22)	1,86	7,76(L)	Z' S2-S3
q	-3,35 (q25)	-3,35 (q25)	0,00	1,86	Z' S3
q	-1,36 (q26)	-1,36 (q26)	1,86	7,76(L)	Z' S3
q	-1,03 (q28)	-1,03 (q28)	0,00	7,00(L)	Z' S4
Som lasten	**X: 26,98**	**kN Z: -9,27**	**kN**		

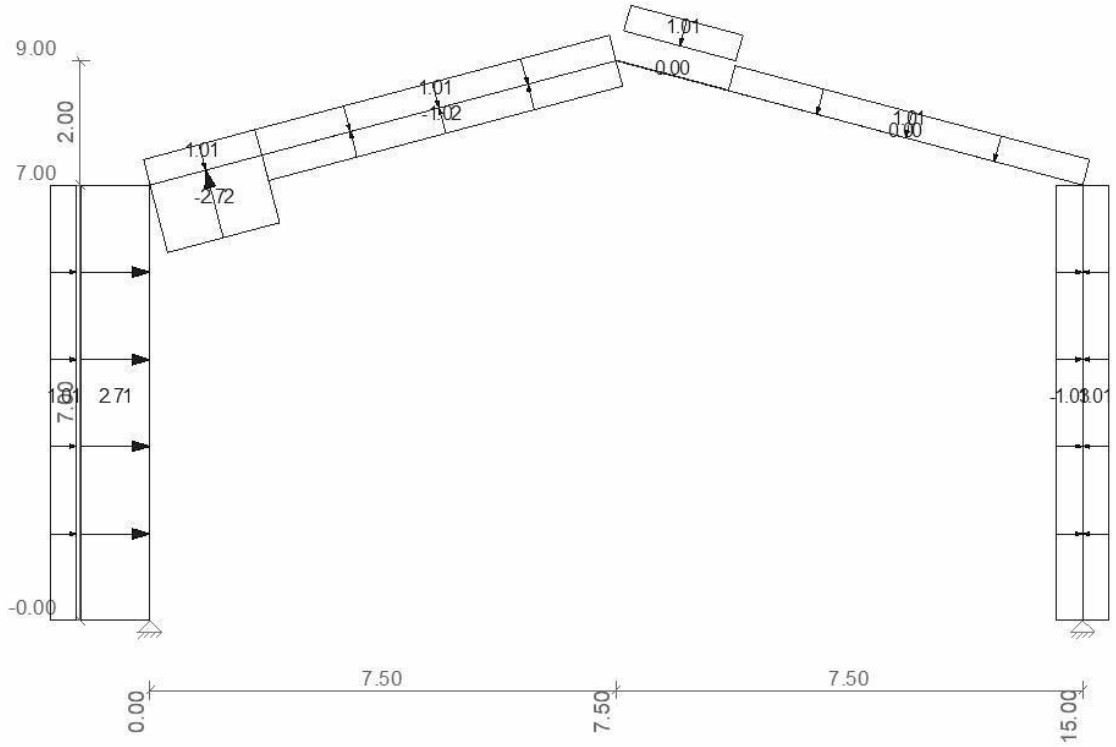
B.G.11: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE)



B.G.11: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.11: Windbelasting van Links + Onderdruk (2e Cpe)					
q	2,71 (q29)	2,71 (q29)	0,00	7,00(L)	Z' S1
q	1,01 (-q31)	1,01 (-q31)	0,00	7,00(L)	Z' S1,S4
q	0,67 (q32)	0,67 (q32)	0,00	1,86	Z' S2
q	1,01 (-q31)	1,01 (-q31)	0,00	1,86	Z' S2-S3
q	0,67 (q33)	0,67 (q33)	1,86	7,76(L)	Z' S2
q	1,01 (-q31)	1,01 (-q31)	1,86	7,76(L)	Z' S2-S3
q	0,00 (q34)	0,00 (q34)	0,00	1,86	Z' S3
q	0,00 (q35)	0,00 (q35)	1,86	7,76(L)	Z' S3
q	-1,03 (q37)	-1,03 (q37)	0,00	7,00(L)	Z' S4
Som lasten		**X: 27,50 kN Z: 20,27 kN**			

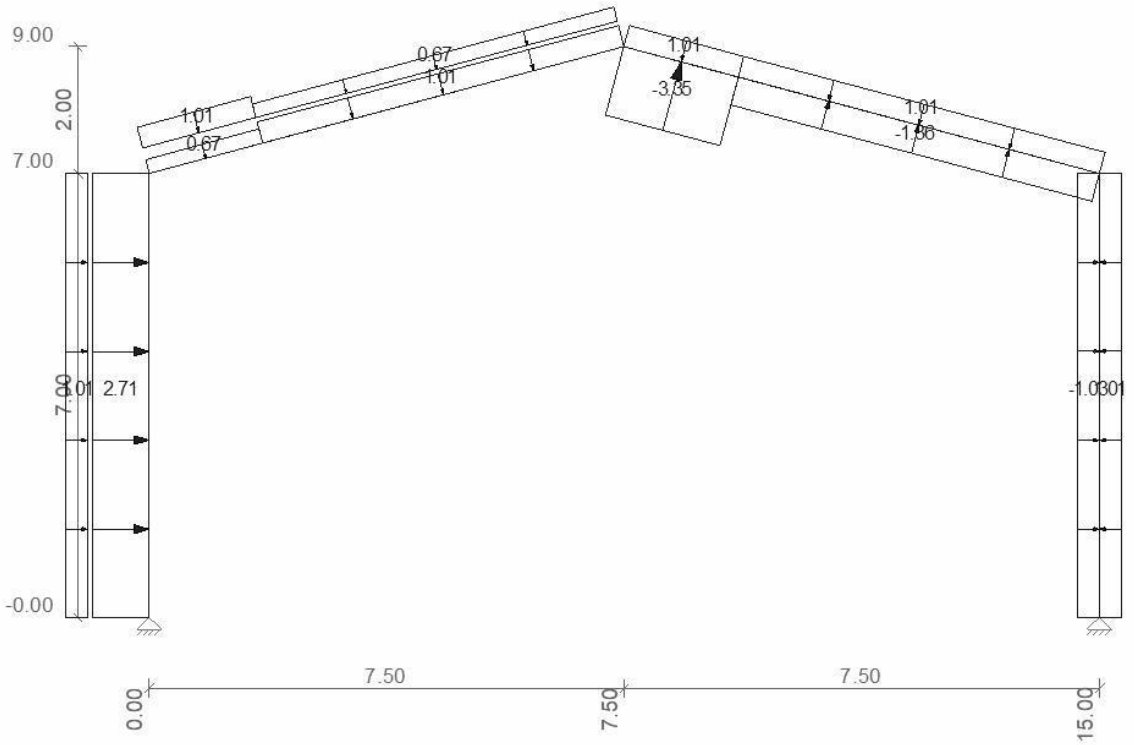
B.G.12: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE)



B.G.12: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.12: Windbelasting van Links + Onderdruk (Zadeldak FGH 1e Cpe + IJ 2e Cpe)					
q	2,71 (q20)	2,71 (q20)	0,00	7,00(L)	Z' S1
q	1,01 (-q22)	1,01 (-q22)	0,00	7,00(L)	Z' S1,S4
q	-2,72 (q23)	-2,72 (q23)	0,00	1,86	Z' S2
q	1,01 (-q22)	1,01 (-q22)	0,00	1,86	Z' S2-S3
q	-1,02 (q24)	-1,02 (q24)	1,86	7,76(L)	Z' S2
q	1,01 (-q22)	1,01 (-q22)	1,86	7,76(L)	Z' S2-S3
q	0,00 (q34)	0,00 (q34)	0,00	1,86	Z' S3
q	0,00 (q35)	0,00 (q35)	1,86	7,76(L)	Z' S3
q	-1,03 (q28)	-1,03 (q28)	0,00	7,00(L)	Z' S4
Som lasten		**X: 23,30 kN Z: 4,52 kN**			

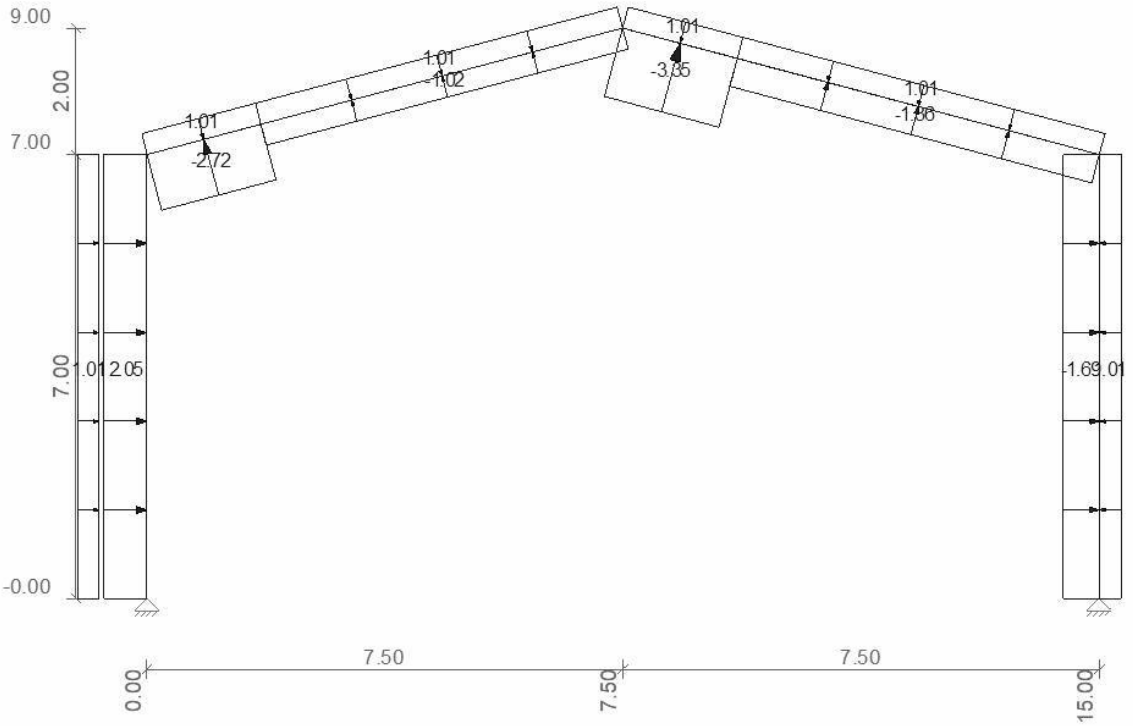
B.G.13: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE)



B.G.13: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.13: Windbelasting van Links + Onderdruk (Zadeldak FGH 2e Cpe + IJ 1e Cpe)					
q	2,71 (q20)	2,71 (q20)	0,00	7,00(L)	Z' S1
q	1,01 (-q22)	1,01 (-q22)	0,00	7,00(L)	Z' S1,S4
q	0,67 (q32)	0,67 (q32)	0,00	1,86	Z' S2
q	1,01 (-q22)	1,01 (-q22)	0,00	1,86	Z' S2-S3
q	0,67 (q33)	0,67 (q33)	1,86	7,76(L)	Z' S2
q	1,01 (-q22)	1,01 (-q22)	1,86	7,76(L)	Z' S2-S3
q	-3,35 (q25)	-3,35 (q25)	0,00	1,86	Z' S3
q	-1,36 (q26)	-1,36 (q26)	1,86	7,76(L)	Z' S3
q	-1,03 (q28)	-1,03 (q28)	0,00	7,00(L)	Z' S4
Som lasten		**X: 31,18 kN Z: 6,48 kN**			

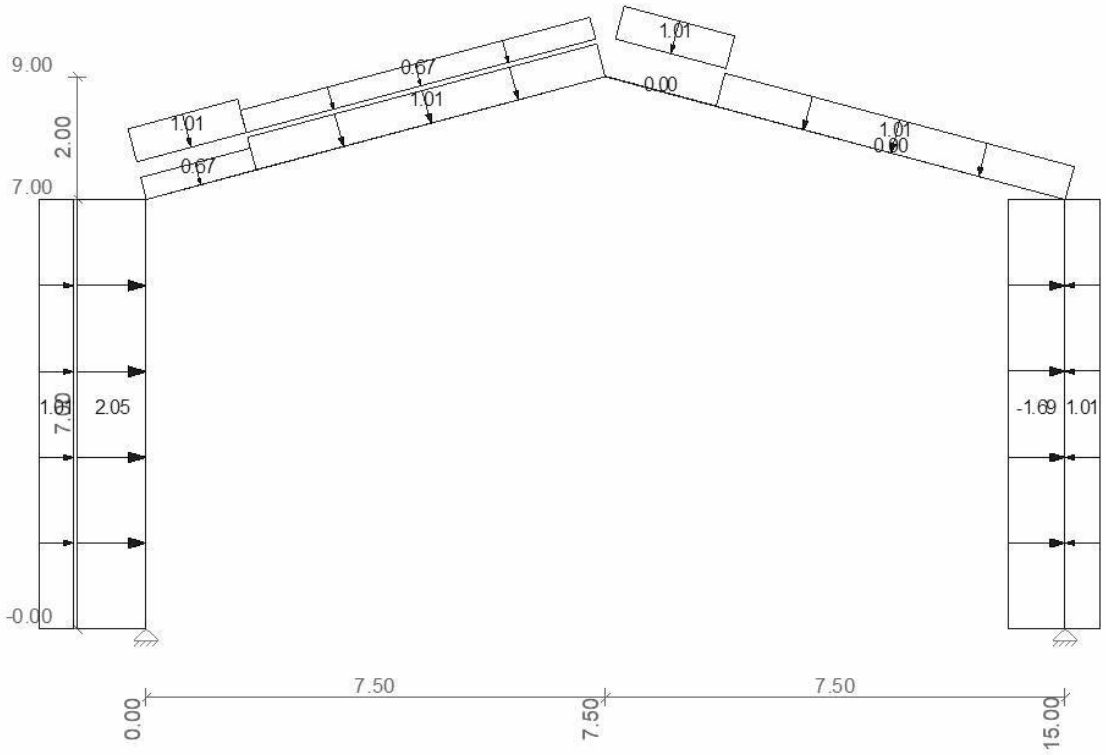
B.G.14: WINDBELASTING VAN LINKS + ONDERDRUK (2E CORR. FACTOR)



B.G.14: WINDBELASTING VAN LINKS + ONDERDRUK (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.14: Windbelasting van Links + Onderdruk (2e corr. factor)					
q	2,05 (q21)	2,05 (q21)	0,00	7,00(L)	Z' S1
q	-1,69 (q27)	-1,69 (q27)	0,00	7,00(L)	Z' S4
q	1,01 (-q22)	1,01 (-q22)	0,00	7,00(L)	Z' S1,S4
q	-2,72 (q23)	-2,72 (q23)	0,00	1,86	Z' S2
q	1,01 (-q22)	1,01 (-q22)	0,00	1,86	Z' S2-S3
q	-1,02 (q24)	-1,02 (q24)	1,86	7,76(L)	Z' S2
q	1,01 (-q22)	1,01 (-q22)	1,86	7,76(L)	Z' S2-S3
q	-3,35 (q25)	-3,35 (q25)	0,00	1,86	Z' S3
q	-1,36 (q26)	-1,36 (q26)	1,86	7,76(L)	Z' S3
Som lasten		**X: 26,98 kN**	**Z: -9,27 kN**		

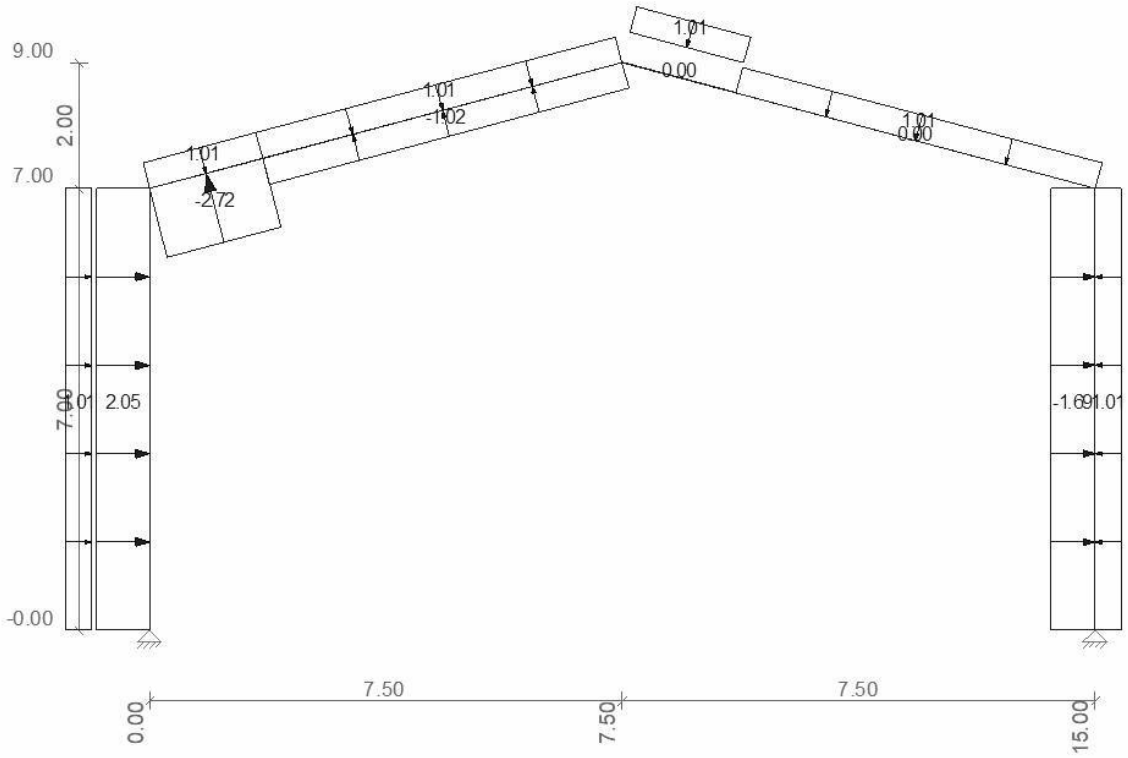
B.G.15: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE) (2E CORR. FACTOR)



B.G.15: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.15: Windbelasting van Links + Onderdruk (2e Cpe) (2e corr. factor)						
q	2,05 (q30)	2,05 (q30)	0,00	7,00(L)		Z' S1
q	-1,69 (q36)	-1,69 (q36)	0,00	7,00(L)		Z' S4
q	1,01 (-q31)	1,01 (-q31)	0,00	7,00(L)		Z' S1,S4
q	0,67 (q32)	0,67 (q32)	0,00	1,86		Z' S2
q	1,01 (-q31)	1,01 (-q31)	0,00	1,86		Z' S2-S3
q	0,67 (q33)	0,67 (q33)	1,86	7,76(L)		Z' S2
q	1,01 (-q31)	1,01 (-q31)	1,86	7,76(L)		Z' S2-S3
q	0,00 (q34)	0,00 (q34)	0,00	1,86		Z' S3
q	0,00 (q35)	0,00 (q35)	1,86	7,76(L)		Z' S3
Som lasten		**X: 27,50 kN**	**Z: 20,27 kN**			

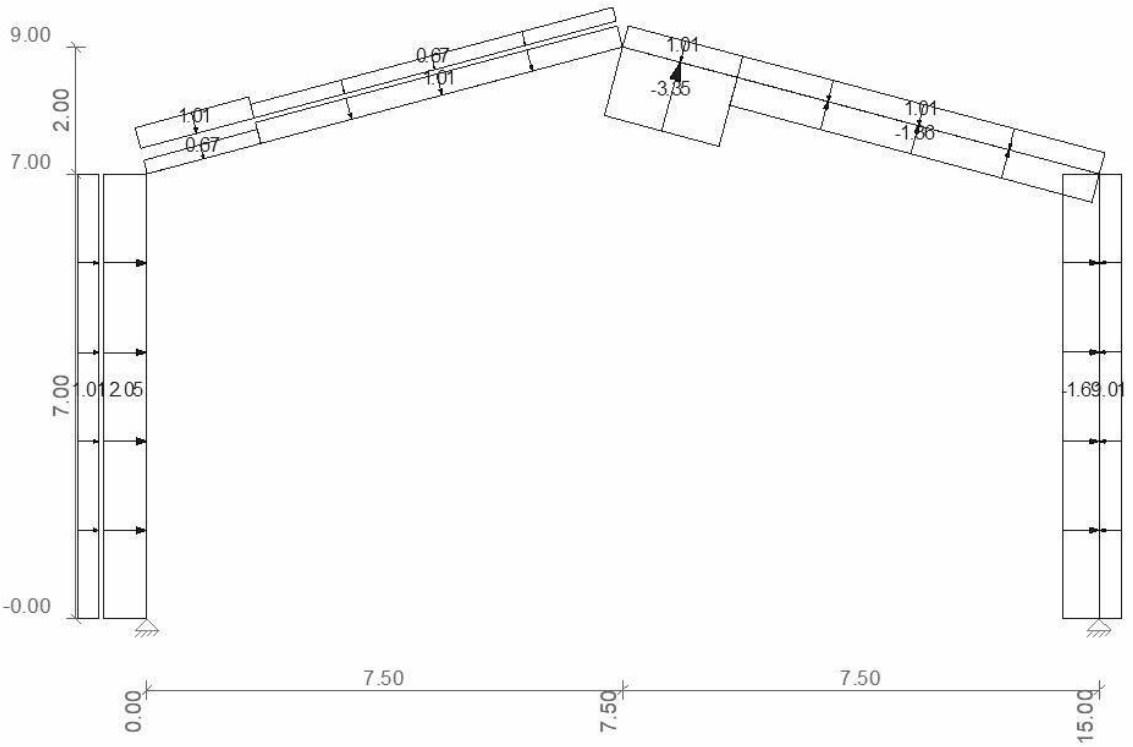
B.G.16: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE) (2E CORR. FACTOR)



B.G.16: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.16: Windbelasting van Links + Onderdruk (Zadeldak FGH 1e Cpe + IJ 2e Cpe) (2e corr. factor)					
q	2,05 (q21)	2,05 (q21)	0,00	7,00(L)	Z' S1
q	-1,69 (q27)	-1,69 (q27)	0,00	7,00(L)	Z' S4
q	1,01 (-q22)	1,01 (-q22)	0,00	7,00(L)	Z' S1,S4
q	-2,72 (q23)	-2,72 (q23)	0,00	1,86	Z' S2
q	1,01 (-q22)	1,01 (-q22)	0,00	1,86	Z' S2-S3
q	-1,02 (q24)	-1,02 (q24)	1,86	7,76(L)	Z' S2
q	1,01 (-q22)	1,01 (-q22)	1,86	7,76(L)	Z' S2-S3
q	0,00 (q34)	0,00 (q34)	0,00	1,86	Z' S3
q	0,00 (q35)	0,00 (q35)	1,86	7,76(L)	Z' S3
Som lasten		**X: 23,30 kN Z: 4,52 kN**			

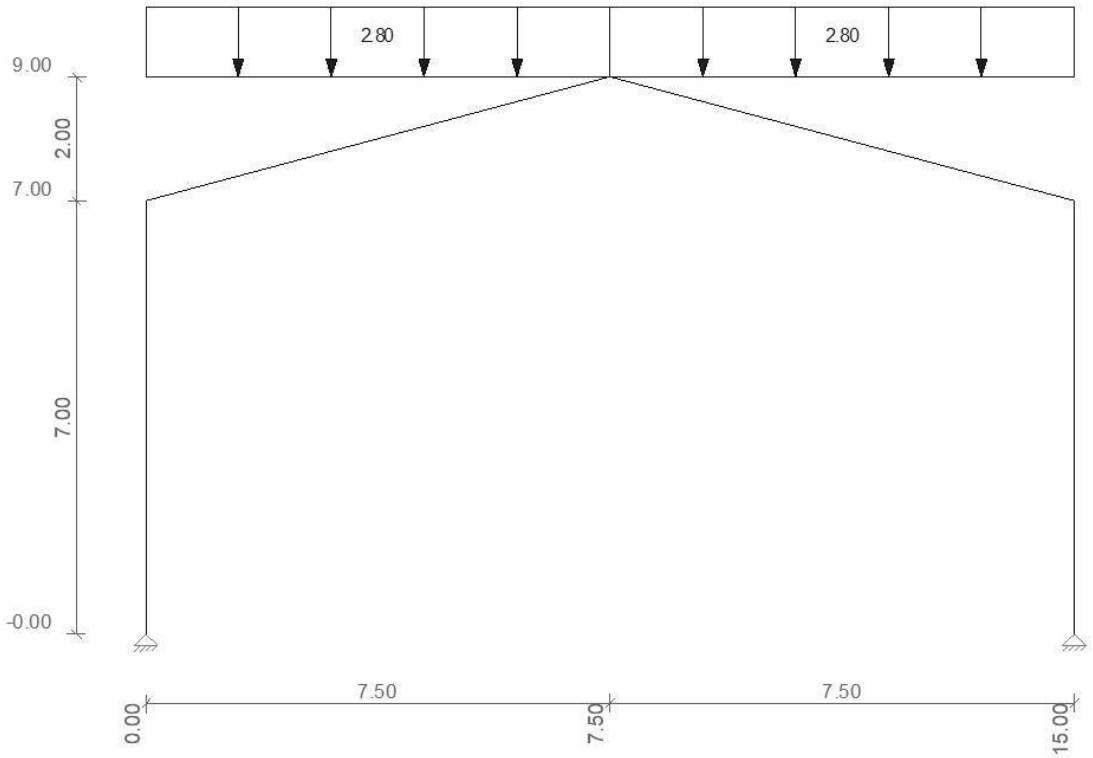
B.G.17: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE) (2E CORR. FACTOR)



B.G.17: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.17: Windbelasting van Links + Onderdruk (Zadeldak FGH 2e Cpe + IJ 1e Cpe) (2e corr. factor)						
q	2,05 (q21)	2,05 (q21)	0,00	7,00(L)	Z'	S1
q	-1,69 (q27)	-1,69 (q27)	0,00	7,00(L)	Z'	S4
q	1,01 (-q22)	1,01 (-q22)	0,00	7,00(L)	Z'	S1,S4
q	0,67 (q32)	0,67 (q32)	0,00	1,86	Z'	S2
q	1,01 (-q22)	1,01 (-q22)	0,00	1,86	Z'	S2-S3
q	0,67 (q33)	0,67 (q33)	1,86	7,76(L)	Z'	S2
q	1,01 (-q22)	1,01 (-q22)	1,86	7,76(L)	Z'	S2-S3
q	-3,35 (q25)	-3,35 (q25)	0,00	1,86	Z'	S3
q	-1,36 (q26)	-1,36 (q26)	1,86	7,76(L)	Z'	S3
Som lasten		**X: 31,18 kN**	**Z: 6,48 kN**			

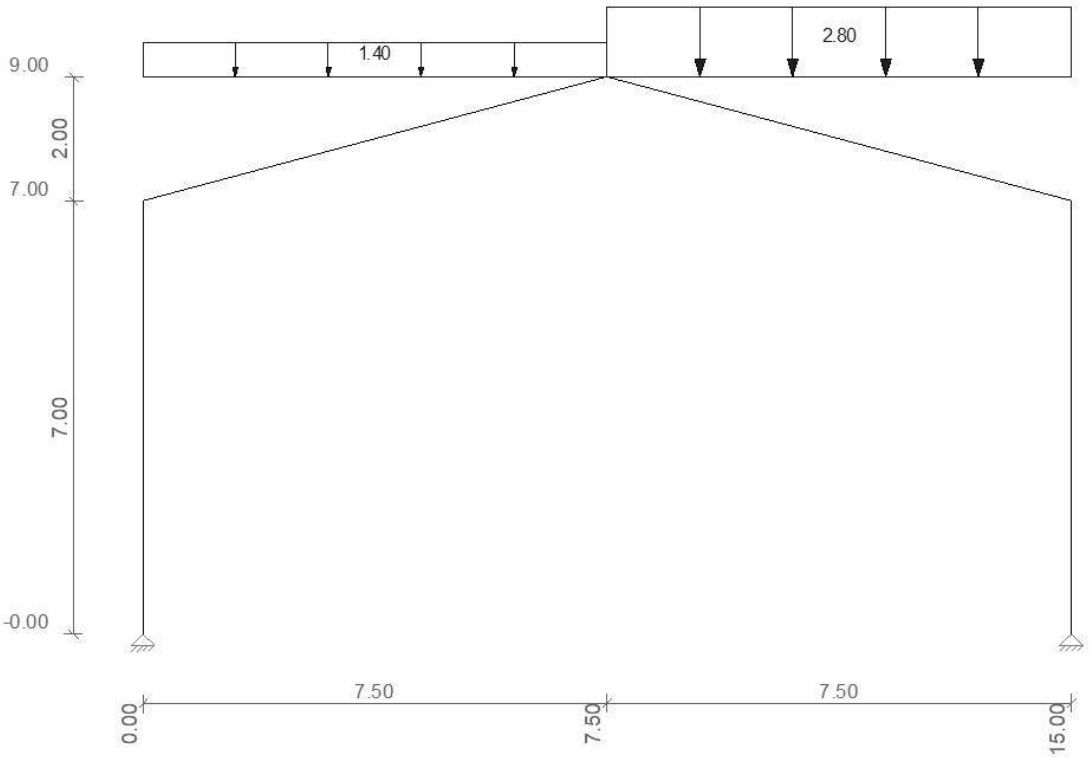
B.G.18: SNEEUWBELASTING 1



B.G.18: SNEEUWBELASTING 1

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.18: Sneeuwbelasting 1					
q	2,80 (q38)	2,80 (q38)	0,00	7,50(L)	Z S2-S3
Som lasten		**X: 0,00**	**kN Z: 42,00**	**kN**	

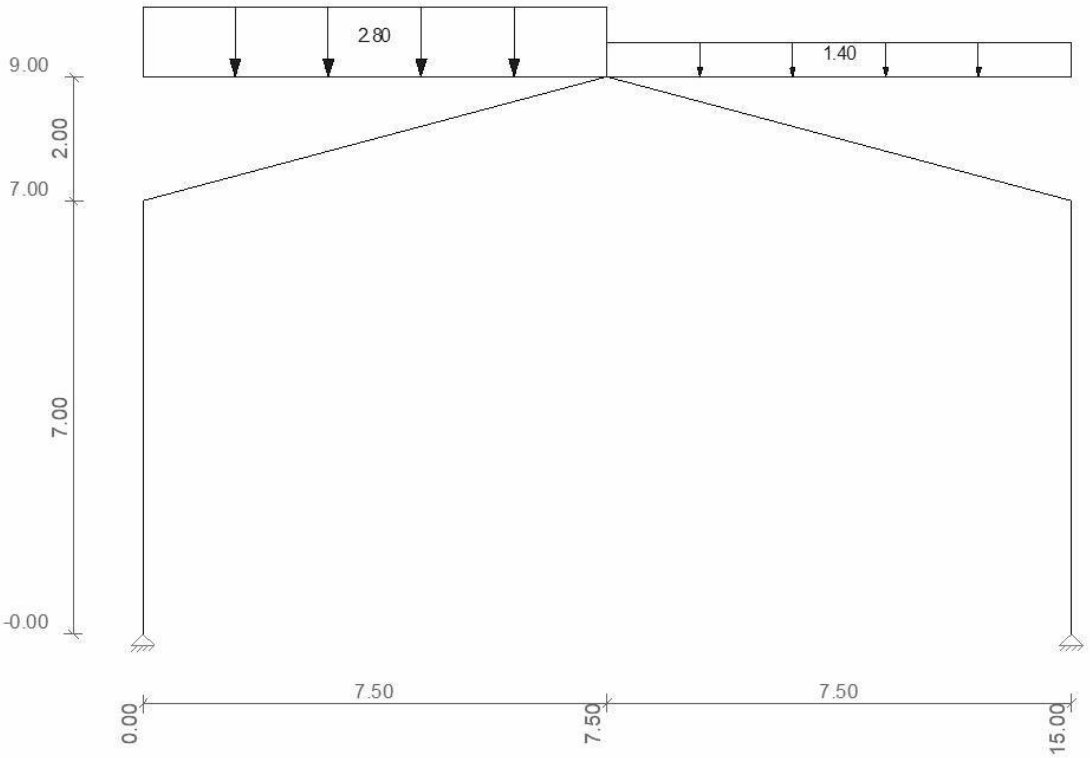
B.G.19: SNEEUWBELASTING 2



B.G.19: SNEEUWBELASTING 2

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.19: Sneeuwbelasting 2					
q	1,40 (q39)	1,40 (q39)	0,00	7,50(L)	Z S2
q	2,80 (q38)	2,80 (q38)	0,00	7,50(L)	Z S3
Som lasten		**X: 0,00**	**kN Z: 31,50**	**kN**	

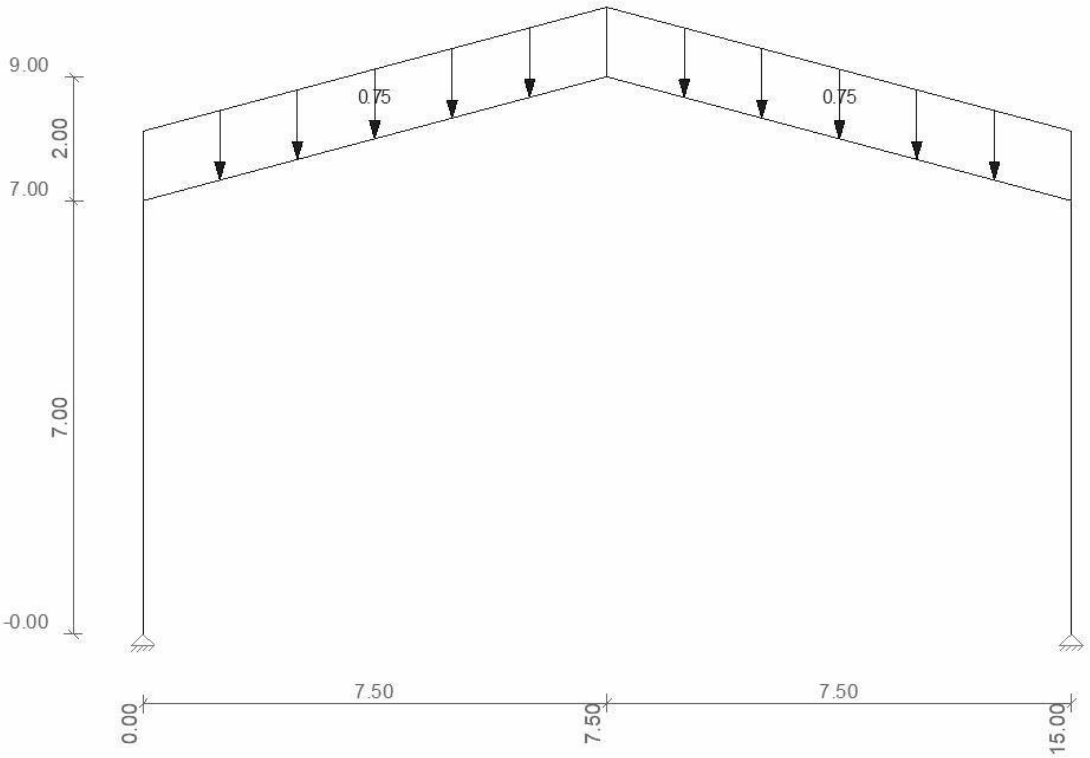
B.G.20: SNEEUWBELASTING 3



B.G.20: SNEEUWBELASTING 3

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.20: Sneeuwbelasting 3					
q	2,80 (q38)	2,80 (q38)	0,00	7,50(L)	Z S2
q	1,40 (q39)	1,40 (q39)	0,00	7,50(L)	Z S3
Som lasten		**X: 0,00**	**kN Z: 31,50**	**kN**	

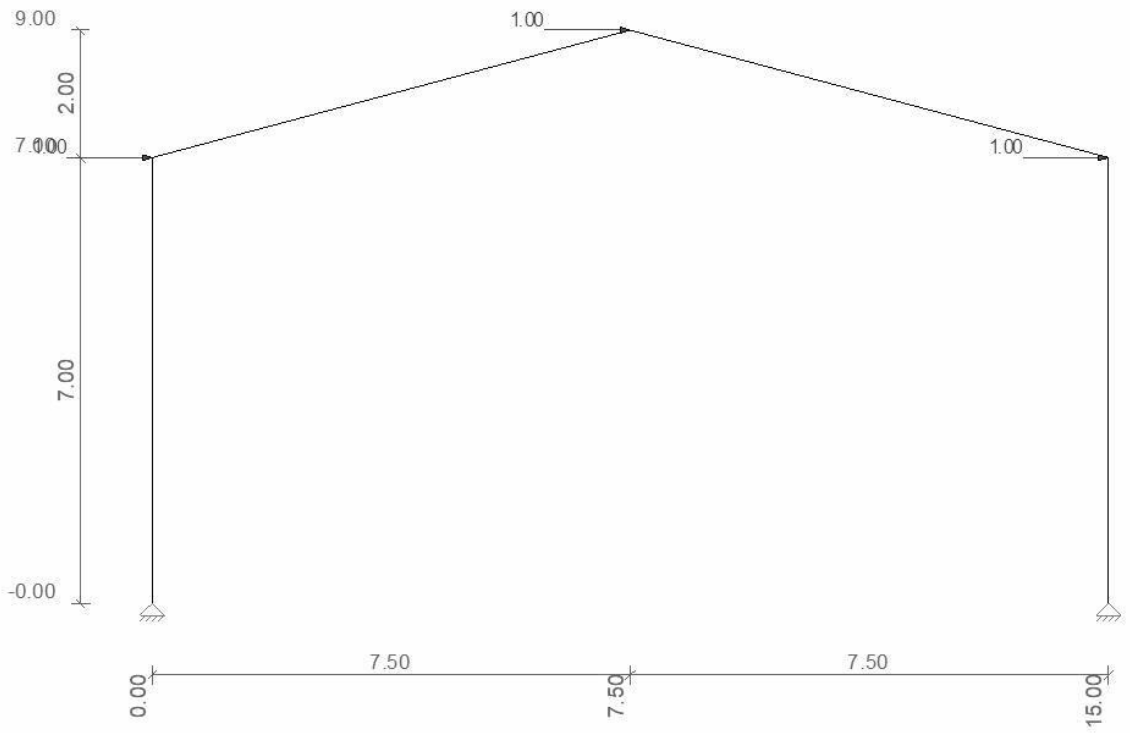
B.G.21: ZONNEPANELEN



B.G.21: ZONNEPANELEN

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.21: Zonnepanelen					
q	0,75	0,75	0,00	7,76(L)	Z" S2-S3
Som lasten	**X: 0,00**	**kN Z: 11,64**	**kN**		

B.G.22: KNIKLENGTE



B.G.22: KNIKLENGTE

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.22: Kniklengte					
N	1,00				X K2-K4
Som lasten	**X: 3,00**	**kN Z: 0,00**	**kN**		

B.G. OPLEGREACTIES

B.C.	Oplegging	Knoop	X	Z	My
B.G.1	O1	K1	2.34	-12.59	0.00
	O2	K5	-2.34	-12.59	0.00
	Som Reacties		**0.00**	**-25,19**	
	Som Lasten		**0.00**	**25.19**	
B.G.2	O1	K1	-18.07	24.44	0.00
	O2	K5	-8.91	10.19	0.00
	Som Reacties		**-26.98**	**34,63**	
	Som Lasten		**26.98**	**-34.63**	
B.G.3	O1	K1	-14.93	8.11	0.00
	O2	K5	-12.57	-3.01	0.00
	Som Reacties		**-27.50**	**5,10**	
	Som Lasten		**27.50**	**-5.10**	
B.G.4	O1	K1	-14.40	18.30	0.00
	O2	K5	-8.90	2.55	0.00
	Som Reacties		**-23.30**	**20,85**	
	Som Lasten		**23.30**	**-20.85**	
B.G.5	O1	K1	-18.60	14.25	0.00
	O2	K5	-12.58	4.63	0.00
	Som Reacties		**-31.18**	**18,88**	
	Som Lasten		**31.18**	**-18.88**	
B.G.6	O1	K1	-15.68	24.44	0.00
	O2	K5	-11.30	10.19	0.00
	Som Reacties		**-26.98**	**34,63**	
	Som Lasten		**26.98**	**-34.63**	
B.G.7	O1	K1	-12.54	8.11	0.00
	O2	K5	-14.97	-3.01	0.00

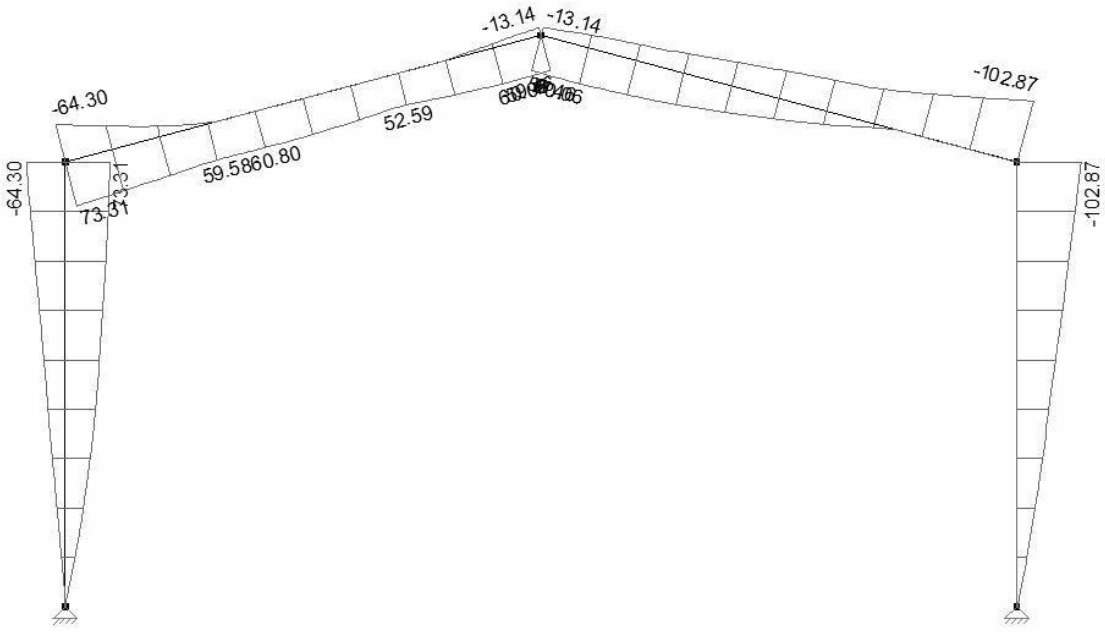
B.C.	Oplegging	Knoop	X	Z	My
	Som Reacties		**-27.50**	**5,10**	
	Som Lasten		**27.50**	**-5.10**	
B.G.8	O1	K1	-12.01	18.30	0.00
	O2	K5	-11.30	2.55	0.00
	Som Reacties		**-23.30**	**20,85**	
	Som Lasten		**23.30**	**-20.85**	
B.G.9	O1	K1	-16.21	14.25	0.00
	O2	K5	-14.97	4.63	0.00
	Som Reacties		**-31.18**	**18,88**	
	Som Lasten		**31.18**	**-18.88**	
B.G.10	O1	K1	-21.25	11.76	0.00
	O2	K5	-5.73	-2.49	0.00
	Som Reacties		**-26.98**	**9,27**	
	Som Lasten		**26.98**	**-9.27**	
B.G.11	O1	K1	-18.11	-4.57	0.00
	O2	K5	-9.40	-15.69	0.00
	Som Reacties		**-27.50**	**-20,27**	
	Som Lasten		**27.50**	**20.27**	
B.G.12	O1	K1	-17.58	5.62	0.00
	O2	K5	-5.72	-10.14	0.00
	Som Reacties		**-23.30**	**-4,52**	
	Som Lasten		**23.30**	**4.52**	
B.G.13	O1	K1	-21.78	1.57	0.00
	O2	K5	-9.40	-8.05	0.00
	Som Reacties		**-31.18**	**-6,48**	
	Som Lasten		**31.18**	**6.48**	
B.G.14	O1	K1	-18.86	11.76	0.00
	O2	K5	-8.12	-2.49	0.00
	Som Reacties		**-26.98**	**9,27**	
	Som Lasten		**26.98**	**-9.27**	
B.G.15	O1	K1	-15.71	-4.57	0.00
	O2	K5	-11.79	-15.69	0.00
	Som Reacties		**-27.50**	**-20,27**	
	Som Lasten		**27.50**	**20.27**	
B.G.16	O1	K1	-15.18	5.62	0.00
	O2	K5	-8.12	-10.14	0.00
	Som Reacties		**-23.30**	**-4,52**	
	Som Lasten		**23.30**	**4.52**	
B.G.17	O1	K1	-19.39	1.57	0.00
	O2	K5	-11.79	-8.05	0.00
	Som Reacties		**-31.18**	**-6,48**	
	Som Lasten		**31.18**	**6.48**	
B.G.18	O1	K1	5.09	-21.00	0.00
	O2	K5	-5.09	-21.00	0.00
	Som Reacties		**0.00**	**-42,00**	
	Som Lasten		**0.00**	**42.00**	
B.G.19	O1	K1	3.82	-13.12	0.00
	O2	K5	-3.82	-18.38	0.00
	Som Reacties		**0.00**	**-31,50**	
	Som Lasten		**0.00**	**31.50**	
B.G.20	O1	K1	3.82	-18.38	0.00
	O2	K5	-3.82	-13.12	0.00
	Som Reacties		**0.00**	**-31,50**	
	Som Lasten		**0.00**	**31.50**	
B.G.21	O1	K1	1.41	-5.82	0.00
	O2	K5	-1.41	-5.82	0.00
	Som Reacties		**0.00**	**-11,64**	
	Som Lasten		**0.00**	**11.64**	
B.G.22	O1	K1	-1.50	1.53	0.00
	O2	K5	-1.50	-1.53	0.00
	Som Reacties		**-3.00**	**0,00**	
	Som Lasten		**3.00**	**0.00**	

FUNDAMENTEEL BELASTINGSCOMBINATIES (LIJST)

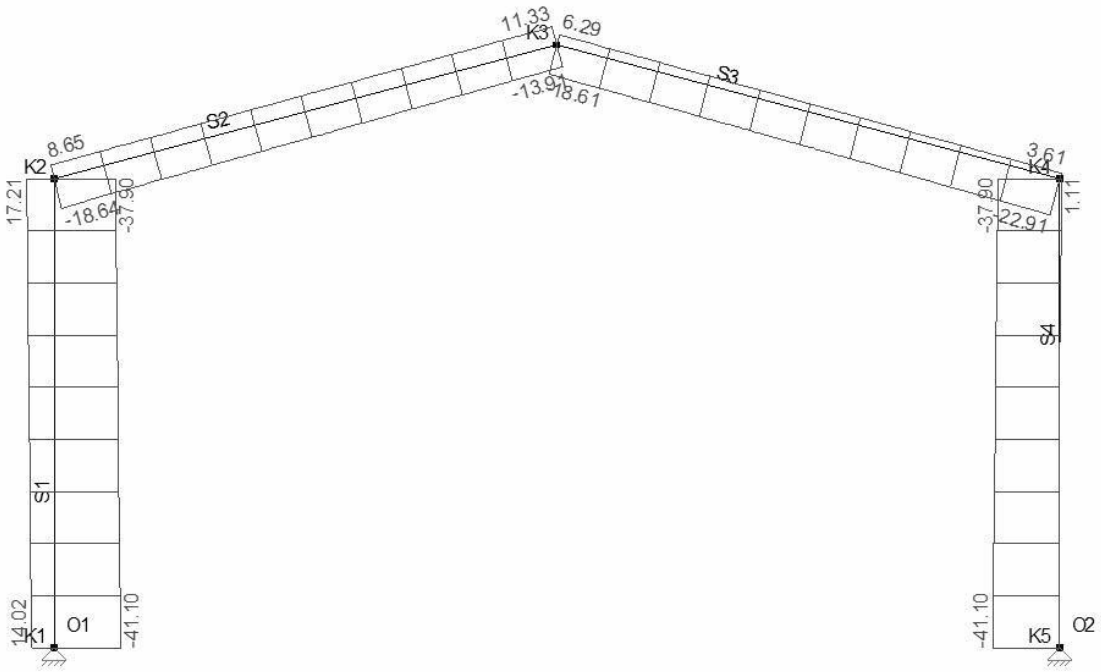
Fu.C.1 = 1.08*B.G.1 + 1.13*B.G.2
Fu.C.2 = 0.90*B.G.1 + 1.13*B.G.2 + 1.08*B.G.21
Fu.C.3 = 1.08*B.G.1 + 1.13*B.G.3

Fu.C.4 = 0.90*B.G.1 + 1.13*B.G.3 + 1.08*B.G.21
Fu.C.5 = 1.08*B.G.1 + 1.13*B.G.4
Fu.C.6 = 0.90*B.G.1 + 1.13*B.G.4 + 1.08*B.G.21
Fu.C.7 = 1.08*B.G.1 + 1.13*B.G.5
Fu.C.8 = 0.90*B.G.1 + 1.13*B.G.5 + 1.08*B.G.21
Fu.C.9 = 1.08*B.G.1 + 1.13*B.G.6
Fu.C.10 = 0.90*B.G.1 + 1.13*B.G.6 + 1.08*B.G.21
Fu.C.11 = 1.08*B.G.1 + 1.13*B.G.7
Fu.C.12 = 0.90*B.G.1 + 1.13*B.G.7 + 1.08*B.G.21
Fu.C.13 = 1.08*B.G.1 + 1.13*B.G.8
Fu.C.14 = 0.90*B.G.1 + 1.13*B.G.8 + 1.08*B.G.21
Fu.C.15 = 1.08*B.G.1 + 1.13*B.G.9
Fu.C.16 = 0.90*B.G.1 + 1.13*B.G.9 + 1.08*B.G.21
Fu.C.17 = 1.08*B.G.1 + 1.13*B.G.10 + 1.08*B.G.21
Fu.C.18 = 0.90*B.G.1 + 1.13*B.G.10
Fu.C.19 = 1.08*B.G.1 + 1.13*B.G.11 + 1.08*B.G.21
Fu.C.20 = 0.90*B.G.1 + 1.13*B.G.11
Fu.C.21 = 1.08*B.G.1 + 1.13*B.G.12 + 1.08*B.G.21
Fu.C.22 = 0.90*B.G.1 + 1.13*B.G.12
Fu.C.23 = 1.08*B.G.1 + 1.13*B.G.13 + 1.08*B.G.21
Fu.C.24 = 0.90*B.G.1 + 1.13*B.G.13
Fu.C.25 = 1.08*B.G.1 + 1.13*B.G.14 + 1.08*B.G.21
Fu.C.26 = 0.90*B.G.1 + 1.13*B.G.14
Fu.C.27 = 1.08*B.G.1 + 1.13*B.G.15 + 1.08*B.G.21
Fu.C.28 = 0.90*B.G.1 + 1.13*B.G.15
Fu.C.29 = 1.08*B.G.1 + 1.13*B.G.16 + 1.08*B.G.21
Fu.C.30 = 0.90*B.G.1 + 1.13*B.G.16
Fu.C.31 = 1.08*B.G.1 + 1.13*B.G.17 + 1.08*B.G.21
Fu.C.32 = 0.90*B.G.1 + 1.13*B.G.17
Fu.C.33 = 1.08*B.G.1 + 1.01*B.G.18 + 1.08*B.G.21
Fu.C.34 = 0.90*B.G.1 + 1.01*B.G.18
Fu.C.35 = 1.08*B.G.1 + 1.01*B.G.19 + 1.08*B.G.21
Fu.C.36 = 0.90*B.G.1 + 1.01*B.G.19
Fu.C.37 = 1.08*B.G.1 + 1.01*B.G.20 + 1.08*B.G.21
Fu.C.38 = 0.90*B.G.1 + 1.01*B.G.20
Fu.C.39 = 1.22*B.G.1 + 1.22*B.G.21
Fu.C.40 = 0.90*B.G.1
Fu.C.41 = 1.22*B.G.1
Fu.C.42 = 0.90*B.G.1 + 1.22*B.G.21

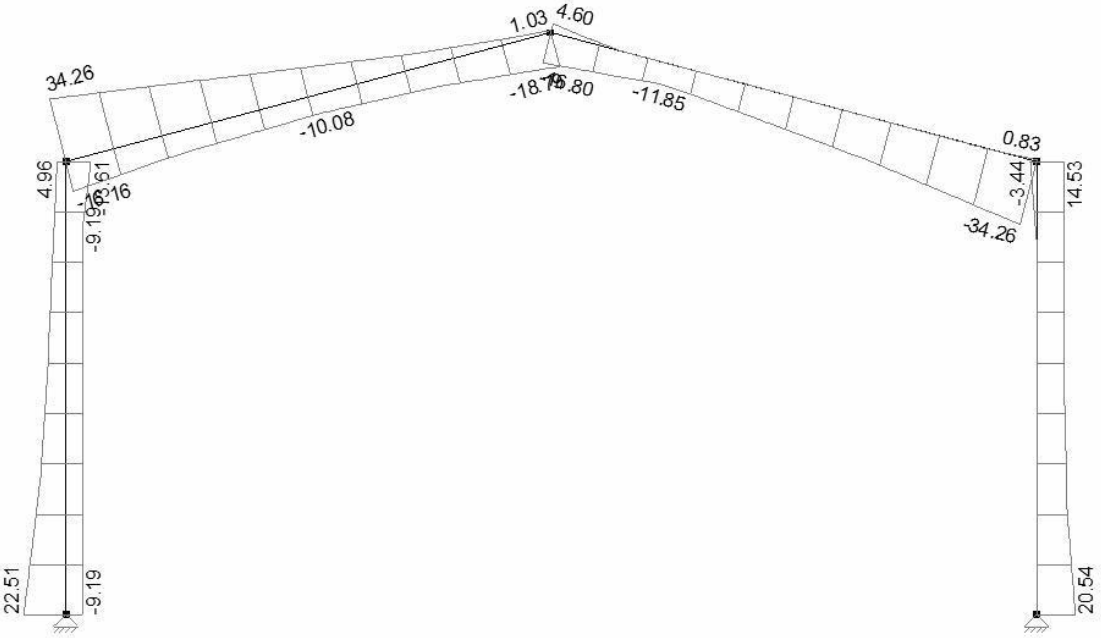
AFB. FU.C. MOMENTEN (MY) OMHULLENDE Fundamenteel Belastingscombinaties



AFB. FU.C. NORMAALKRACHT (NX) OMHULLENDE Fundamenteel Belastingscombinaties



AFB. FU.C. DWARSKRACHT (VZ) OMHULLENDE Fundamenteel Belastingscombinaties



FU.C. EXTREME STAAFKRACHTEN

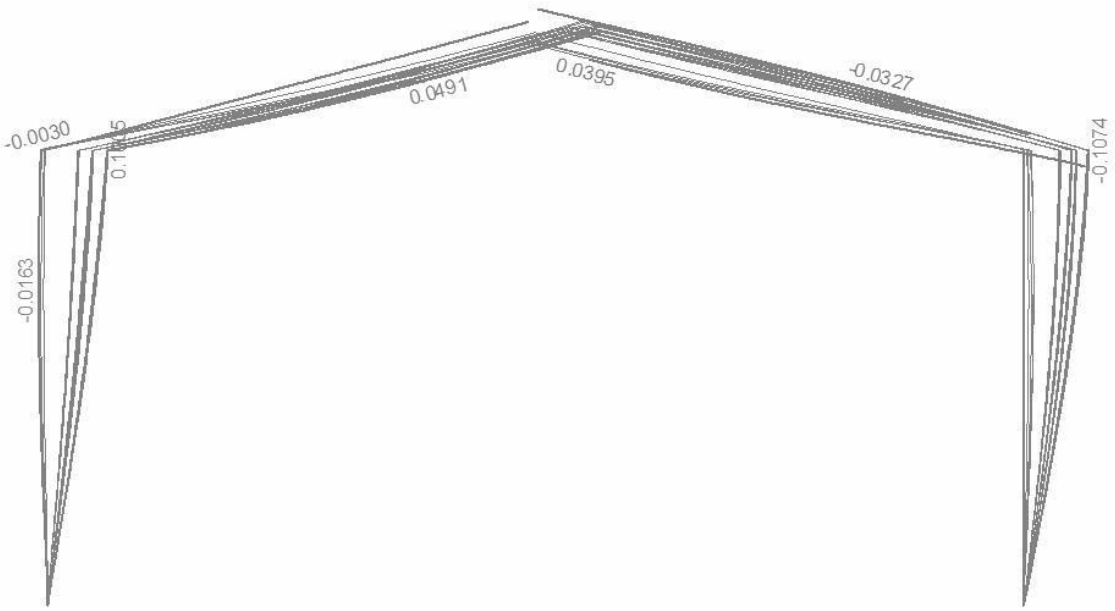
Staaf	B.C.	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Vb	Vmax	Ve
S1	Fu.C.1	0.00	0.00	0.00	69.13	0.00	0.00 T	**17.21**	17.90	17.90	1.85
	Fu.C.7	0.00	0.00	0.00	**73.31**	0.00	0.00 T	5.70	18.50	18.50	2.45
	Fu.C.15	0.00	0.00	0.00	72.63	0.00	0.00 T	5.70	15.79	15.79	**4.96**
	Fu.C.21	0.00	29.76	3.76	7.72	0.00	0.00 D	-13.54	15.82	15.82	**-13.61**

	Fu.C.24	0.00	**60.27**	5.35	54.57	0.00	0.00 D	-9.56	**22.51**	**22.51**	-6.92
	Fu.C.33	0.00	0.00	0.00	**-64.30**	0.00	0.00 D	**-41.10**	**-9.19**	**-9.19**	-9.19
S2	Fu.C.1	69.13	0.00	0.00	**-13.14**	6.17	0.00 T	8.90	**-16.16**	-16.16	-7.75
	Fu.C.7	**73.31**	0.00	0.00	-3.38	7.53	0.00 T	6.51	-4.87	-14.89	-14.89
	Fu.C.9	68.45	0.00	0.00	-8.80	6.58	0.00 T	**11.33**	-15.51	-15.51	-7.10
	Fu.C.23	40.96	59.45	3.05	15.16	0.00	0.00 D	-12.41	12.14	**-18.79**	**-18.79**
	Fu.C.31	40.29	**60.80**	3.21	19.50	0.00	0.00 D	-9.98	12.78	-18.14	-18.14
	Fu.C.33	**-64.30**	60.06	7.26	**59.46**	2.21	0.00 D	**-18.64**	**34.26**	**34.26**	-2.37
	Fu.C.36	-41.70	0.00	0.00	38.56	2.50	0.00 D	-11.41	19.65	19.65	**1.03**
S3	Fu.C.1	**-13.14**	-41.15	6.93	-40.81	0.00	0.00 T	3.86	-11.16	-11.16	**0.83**
	Fu.C.9	-8.80	**-41.50**	7.58	-41.49	0.00	0.00 T	**6.29**	-11.80	-11.80	0.19
	Fu.C.15	0.96	0.00	0.00	-70.52	0.06	0.00 D	-2.02	**-16.80**	-16.80	-4.81
	Fu.C.19	29.83	0.00	0.00	-102.17	3.13	0.00 D	**-22.91**	-4.48	-29.52	-29.52
	Fu.C.31	19.50	0.00	0.00	**-102.87**	1.57	0.00 D	-18.26	-12.90	-21.82	-21.82
	Fu.C.33	**59.46**	**60.06**	0.50	-64.30	5.55	0.00 D	-18.64	2.37	**-34.26**	**-34.26**
	Fu.C.35	51.15	53.39	0.97	-55.31	5.73	0.00 D	-16.72	**4.60**	-32.03	-32.03
S4	Fu.C.10	-49.21	**-50.23**	0.87	0.00	0.00	0.00 D	-6.10	-2.33	16.39	16.39
	Fu.C.13	-41.47	-43.68	1.29	0.00	0.00	0.00 D	-10.72	**-3.44**	15.29	15.29
	Fu.C.16	-78.25	0.00	0.00	0.00	0.00	0.00 D	-12.38	1.81	**20.54**	**20.54**
	Fu.C.23	-102.19	0.00	0.00	0.00	0.00	0.00 D	-28.98	**14.53**	14.67	14.67
	Fu.C.31	**-102.87**	0.00	0.00	0.00	0.00	0.00 D	-28.98	12.02	17.37	17.37
	Fu.C.33	-64.30	0.00	0.00	0.00	0.00	0.00 D	**-41.10**	9.19	9.19	9.19

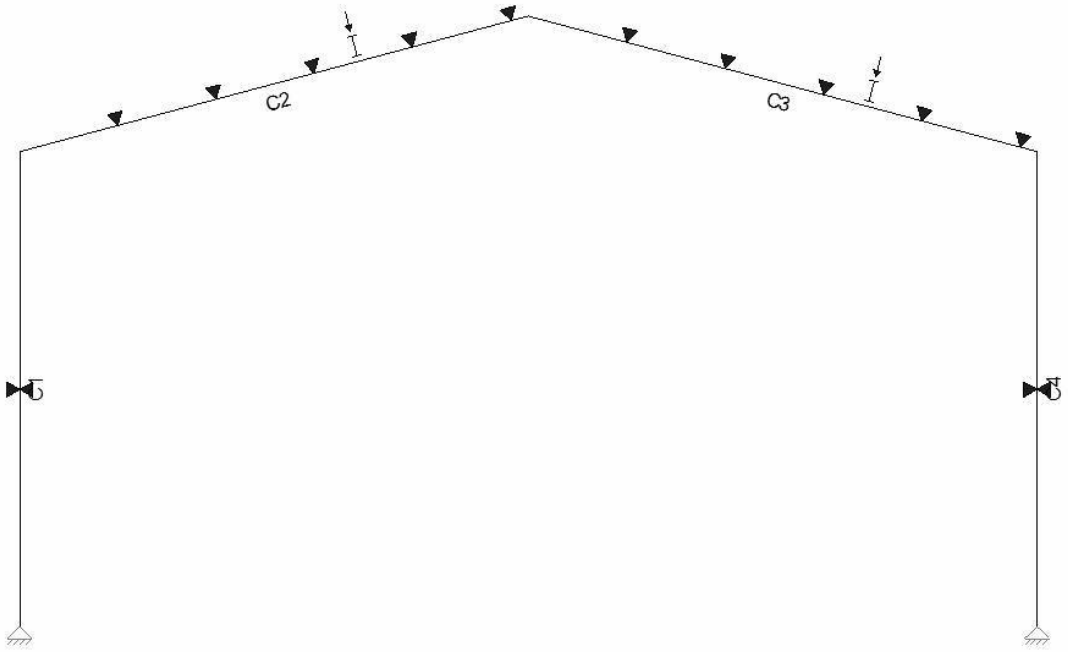
FU.C. EXTREME OPLEGREACTIES

Opleggin g	Knoop	B.C.	Xmax	Z	My	B.C.	X	Zmax	My	B.C.	X	Z	Mymax
O1	K1	Fu.C.33	**9.19**	-41.10	0.00	Fu.C.1	-17.90	**14.02**	0.00				
O1	K1	Fu.C.24	**-22.51**	-9.56	0.00	Fu.C.33	9.19	**-41.10**	0.00				
O2	K5	Fu.C.16	**-20.54**	-12.38	0.00	Fu.C.33	-9.19	**-41.10**	0.00				
Globale extreme waarden													
O1	K1	Fu.C.33	**9.19**	-41.10	0.00								
O1	K1	Fu.C.24	**-22.51**	-9.56	0.00								
O1	K1					Fu.C.1	-17.90	**14.02**	0.00				
O2	K5					Fu.C.33	-9.19	**-41.10**	0.00				

AFB. KA.C. VERPLAATSINGEN OMHULLENDE Karakteristiek Belastingscombinaties



AFB. STAALDEFINITIE



KNIKLENGTEGEGEVENS

Staaf	Profiel	Lokale Y-as				Lokale Z-as		
		Lsys	methode	Lbuc	Lbuc/Lsys	methode	Lbuc	Lbuc/Lsys
C1 - V1 (0.000-7.000)	P3	7.000	Ongeschoord	16.051	2.29	Handmatige Invoer	3.500	0.50
C2 - V1 (0.000-7.762)	P2	7.760	Ongeschoord	18.614	2.40	Handmatige Invoer	1.500	0.19
C3 - V1 (0.000-7.762)	P2	7.760	Ongeschoord	18.614	2.40	Handmatige Invoer	1.500	0.19
C4 - V1 (0.000-7.000)	P3	7.000	Ongeschoord	16.051	2.29	Handmatige Invoer	3.500	0.50

KIPSTEUNENGEGEVENS

Staaf	Profiel	Begin:	Eind:	Kipsteunen boven	Kipsteunen onder	Aangrijphoogte
C1 - V1 (0.000-7.000)	P3	Gesteund	Gesteund	3.5	3.5	Centrum
C2 - V1 (0.000-7.762)	P2	Gesteund	Gesteund	1.5, 3, 4.5, 6, 7.5		Bovenflens
C3 - V1 (0.000-7.762)	P2	Gesteund	Gesteund	1.5, 3, 4.5, 6, 7.5		Bovenflens
C4 - V1 (0.000-7.000)	P3	Gesteund	Gesteund	3.5	3.5	Centrum

DOORBUIGINGGEGEVENS

Staaf	Constructietype	Toetsing	Zeeg Y'	Zeeg Z'	Zeegvorm	w;max	w;2+w;3
C2 - V1 (0.000-7.762)		Dak	Algemeen	0	0	Parabolisch	L/250 L/250
C3 - V1 (0.000-7.762)		Dak	Algemeen	0	0	Parabolisch	L/250 L/250

UC'S PER CONSTRUCTIEDEEL NEN-EN1993-1-1:2016/NB:2016

Label	Toetsing	Combinatie	Artikel	UC max
C1	Doorsnede	Fu.C.7	NEN-EN1993-1-1(6.12)	0,50
	Stabiliteit	Fu.C.33	NEN-EN1993-1-1(6.46)	0,08
	Stabiliteit	Fu.C.33	NEN-EN1993-1-1(6.46)	0,06
	Stabiliteit	Fu.C.33	NEN-EN1993-1-1(6.61&6.62)	0,62
	Kiptoetsing	Fu.C.7	NEN-EN1993-1-1(6.54)	0,63
C2	Doorsnede	Fu.C.7	NEN-EN1993-1-1(6.12)	0,39
	Stabiliteit	Fu.C.33	NEN-EN1993-1-1(6.46)	0,03
	Stabiliteit	Fu.C.33	NEN-EN1993-1-1(6.46)	0,01
	Stabiliteit	Fu.C.33	NEN-EN1993-1-1(6.61&6.62)	0,38

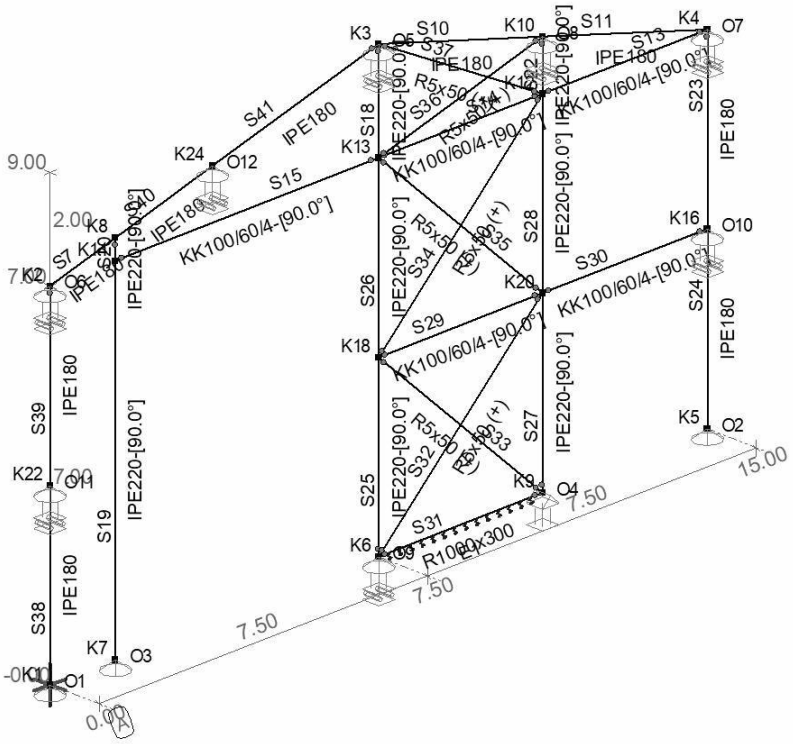
	Kiptoetsing	Fu.C.7	NEN-EN1993-1-1(6.54)	0,12
	Doorbuigingstoetsin	Ka.C.17	NEN-EN|NEN-EN1990/NB A1.4.2	0,44
C3	Doorsnede	Fu.C.31	NEN-EN1993-1-1(6.12)	0,54
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.46)	0,04
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.46)	0,02
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.61&6.62)	0,95
	Kiptoetsing	Fu.C.31	NEN-EN1993-1-1(6.54)	0,88
	Doorbuigingstoetsin	Ka.C.5	NEN-EN|NEN-EN1990/NB A1.4.2	0,40
C4	Doorsnede	Fu.C.31	NEN-EN1993-1-1(6.12)	0,70
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.46)	0,07
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.46)	0,06
	Stabiliteit	Fu.C.27	NEN-EN1993-1-1(6.61&6.62)	0,95
	Kiptoetsing	Fu.C.31	NEN-EN1993-1-1(6.54)	0,86

SPANT AS E

h.o.h. = 2500mm,

belasting wordt door programma gegenereerd.

AFB. GEOMETRIE



STAVEN

Staaf	Knoop B	Knoop E	X-B	Y-B	Z-B	X-E	Y-E	Z-E	Lengte Profiel	Positie
S7	K2	K8	0,00	0,00	-7,00	1,50	0,00	-7,40	1,55 P2	0,00 - L(1,55)
S10	K3	K10	7,50	0,00	-9,00	11,25	0,00	-8,00	3,88 P2	0,00 - L(3,88)
S11	K10	K4	11,25	0,00	-8,00	15,00	0,00	-7,00	3,88 P2	0,00 - L(3,88)
S13	K4	K12	15,00	0,00	-7,00	11,25	0,00	-7,00	3,75 P6	0,00 - L(3,75)
S14	K12	K13	11,25	0,00	-7,00	7,50	0,00	-7,00	3,75 P6	0,00 - L(3,75)
S15	K13	K14	7,50	0,00	-7,00	1,50	0,00	-7,00	6,00 P6	0,00 - L(6,00)
S18	K13	K3	7,50	0,00	-7,00	7,50	0,00	-9,00	2,00 P3	0,00 - L(2,00)
S19	K7	K14	1,50	0,00	0,00	1,50	0,00	-7,00	7,00 P3	0,00 - L(7,00)
S20	K14	K8	1,50	0,00	-7,00	1,50	0,00	-7,40	0,40 P3	0,00 - L(0,40)
S22	K12	K10	11,25	0,00	-7,00	11,25	0,00	-8,00	1,00 P3	0,00 - L(1,00)
S23	K4	K16	15,00	0,00	-7,00	15,00	0,00	-3,50	3,50 P2	0,00 - L(3,50)
S24	K16	K5	15,00	0,00	-3,50	15,00	0,00	0,00	3,50 P2	0,00 - L(3,50)
S25	K6	K18	7,50	0,00	0,00	7,50	0,00	-3,50	3,50 P3	0,00 - L(3,50)
S26	K18	K13	7,50	0,00	-3,50	7,50	0,00	-7,00	3,50 P3	0,00 - L(3,50)
S27	K9	K20	11,25	0,00	0,00	11,25	0,00	-3,50	3,50 P3	0,00 - L(3,50)
S28	K20	K12	11,25	0,00	-3,50	11,25	0,00	-7,00	3,50 P3	0,00 - L(3,50)
S29	K18	K20	7,50	0,00	-3,50	11,25	0,00	-3,50	3,75 P6	0,00 - L(3,75)
S30	K20	K16	11,25	0,00	-3,50	15,00	0,00	-3,50	3,75 P6	0,00 - L(3,75)
S31	K6	K9	7,50	0,00	0,00	11,25	0,00	0,00	3,75 P5	0,00 - L(3,75)
S32	K6	K20	7,50	0,00	0,00	11,25	0,00	-3,50	5,13 P4	0,00 - L(5,13)
S33	K9	K18	11,25	0,00	0,00	7,50	0,00	-3,50	5,13 P4	0,00 - L(5,13)
S34	K18	K12	7,50	0,00	-3,50	11,25	0,00	-7,00	5,13 P4	0,00 - L(5,13)
S35	K20	K13	11,25	0,00	-3,50	7,50	0,00	-7,00	5,13 P4	0,00 - L(5,13)

S36	K13	K10	7,50	0,00	-7,00	11,25	0,00	-8,00	3,88	P4	0,00 - L(3,88)
S37	K3	K12	7,50	0,00	-9,00	11,25	0,00	-7,00	4,25	P4	0,00 - L(4,25)
S38	K1	K22	0,00	0,00	0,00	0,00	0,00	-3,50	3,50	P2	0,00 - L(3,50)
S39	K22	K2	0,00	0,00	-3,50	0,00	0,00	-7,00	3,50	P2	0,00 - L(3,50)
S40	K8	K24	1,50	0,00	-7,40	3,72	0,00	-7,99	2,30	P2	0,00 - L(2,30)
S41	K24	K3	3,72	0,00	-7,99	7,50	0,00	-9,00	3,91	P2	0,00 - L(3,91)

PROFIELEN

Profiel	Profielnaam	Oppervlakte	It	Iy	Iz	Materiaal	Hoek
P2	IPE180	2.3947e-03	4.7901e-08	1.3170e-05	1.0085e-06	S235	0,0
P3	IPE220	3.3371e-03	9.0658e-08	2.7718e-05	2.0489e-06	S235	90,0
P4	R5x50	2.5000e-04	1.9521e-09	5.2083e-08	5.2083e-10	S235	0,0
P5	R1000x300	3.0000e-01	7.3001e-03	2.2500e-03	2.5000e-02	C20/25	0,0
P6	KK100/60/4	1.1748e-03	1.5211e-06	1.5258e-06	6.8682e-07	S275MH/MLH	90,0

PROFIELVORMEN

Profiel	Verl. h.	hB	hE	tf	tw	tf2	B	bL	bR	Raatl.	Hoogte
P4	Nee	0,050	0,050	0,0000	0,0000	0,0000	0,005	0,000	0,000	Nee	0,000
P5	Nee	0,300	0,300	0,0000	0,0000	0,0000	1,000	0,000	0,000	Nee	0,000

MATERIALEN

Materiaalnaam	Poison	Dichtheid	E-Modulus	Uitzettingcoeff
S235	0.30	78.50	2.1000e+08	12.0000e-06
C20/25	0.20	25.00	3.0000e+07	10.0000e-06
S275MH/MLH	0.30	78.50	2.1000e+08	12.0000e-06

PROFIELEN (GEAVANCEERD)

Profiel	Ivv	Avy	Avz	Trek	Druk	Kabelelement	Voorspanning
P4	5.2083e-10	2.0833e-04	2.0833e-04	Ja	Nee	Nee	0.00

OPLEGGINGEN

Oplegging	Object	Positie	X		Z	Xr	Yr	Zr	HoekXr	HoekYr	HoekZr
O1	K1	0,00	Vast	Vast	Vast	Vrij	Vrij	Vrij	0	0	0
O2	K5	0,00	Vast	Vast	Vast	Vrij	Vrij	Vrij	0	0	0
O3	K7	0,00	Vast	Vast	Vast	Vrij	Vrij	Vrij	0	0	0
O4	K9	0,00	Vast	Vast	Vrij	Vast	Vrij	Vast	0	0	0
O5	K3	0,00	Vrij	Vast	Vrij	Vrij	Vrij	Vrij	0	0	0
O6	K2	0,00	Vrij	Vast	Vrij	Vrij	Vrij	Vrij	0	0	0
O7	K4	0,00	Vrij	Vast	Vrij	Vrij	Vrij	Vrij	0	0	0
O8	K10	0,00	Vrij	Vast	Vrij	Vrij	Vrij	Vrij	0	0	0
O9	K6	0,00	Vrij	Vast	Vrij	Vrij	Vrij	Vrij	0	0	0
O10	K16	0,00	Vrij	Vast	Vrij	Vrij	Vrij	Vrij	0	0	0
O11	K22	0,00	Vrij	Vast	Vrij	Vrij	Vrij	Vrij	0	0	0
O12	K24	0,00	Vrij	Vast	Vrij	Vrij	Vrij	Vrij	0	0	0

GEWICHTSBEREKENING

Index	Staven	Berekening	Waarde	Eenhede
Gemeenschappelijk				
	Belastingen en vervormingen	NEN-EN1991		
Lsys1	Systeemmaat	2.50	2,50	[m]
Height1	Totale hoogte van constructie	9.00	9,00	[m]
Width1	Totale diepte van constructie	15.00	15,00	[m]
Width2	Totale breedte van constructie	20.00	20,00	[m]
LR1 (Permanente Belasting)				
	Permanente Belasting	NEN-EN1991-1-1:2011/NB:2011		
	Hellend dak (S7,S10,S8,S11)			
Pp1	Stalen dak + windvb	0.20	0,20	[kN/m²]
q1	Permanente Belasting	Pp1*Lsys1	0,50	[kN/m]
LR2 (Windbelasting Algemeen)				
	Windbelasting Algemeen	NEN-EN1991-1-4:2011/NB:2011		
Width3	Gemiddelde breedte (b)	2.50	2,50	[m]
Height2	Totale hoogte van constructie	9.00	9,00	[m]
Z1	Referentiehoogte	0.6*Height2	5,40	[m]
Region1	Regio	3	3,00	
Cat1	Terrein	Onbebouwd	2,00	
Co1	Orthografie factor (C0)	1.00	1,00	
CsCd1	Constructie factor (CsCd)	1.00	1,00	
C1	Correlatie factor	0.85	0,85	

LR3 (Windbelasting van Links + Overdruk)			
	Windbelasting van Links + Overdruk	NEN-EN1991-1-4:2011/NB:2011	
A1	Belast oppervlak (A)	22.50	22,50 [m²]
Cpe1	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.60)	0,80

Index	Staven	Berekening	Waarde Eenhede
LR3 (Windbelasting van Links + Overdruk)			
Cpi1	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe1,Openingen=0.00,Over=True)	0,20
Z2	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8,K9,K10,K12,K13,K14,K16,K18,K20	9.00	9,00 [m]
Qp1	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z2,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]
Cpe2	Vertikale wand; Druk coefficient (Cpe): S1,S23,S24	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.60)	0,80
q2	Vertikale wand; Verdeelde element belasting (q): S1,S23,S24	(Qp1*Cpe2*CsCd1) * Lsys1	1,35 [kN/m]
Cpe3	Vertikale wand; Druk coefficient (Cpe): S1,S23,S24	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=E,hd=0.60)	-0,50
C2	Vertikale wand; Druk coefficient (Cpe) incl. correlatiefactor: S1,S23,S24	(Cpe2-Cpe3) * C1	1,11
q3	Vertikale wand; Verdeelde element belasting (q): S1,S23,S24	(Qp1*(Cpe3+C2)*CsCd1) * Lsys1	1,02 [kN/m]
q4	Interne druk; Verdeelde element belasting (q)	(Cpi1*Qp1) * Lsys1	0,34 [kN/m]
Cpe4	Zadeldak; Druk coefficient (Cpe): S7,S8	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=F,Hoek=14.93)	-0,91
q5	Zadeldak; Verdeelde element belasting (q): S7,S8	(Qp1*Cpe4*CsCd1) * Lsys1	-1,53 [kN/m]
Cpe5	Zadeldak; Druk coefficient (Cpe): S8	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=H,Hoek=14.93)	-0,30
q6	Zadeldak; Verdeelde element belasting (q): S8	(Qp1*Cpe5*CsCd1) * Lsys1	-0,51 [kN/m]
Cpe6	Zadeldak; Druk coefficient (Cpe): S10	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=J,Hoek=14.93)	-0,99
q7	Zadeldak; Verdeelde element belasting (q): S10	(Qp1*Cpe6*CsCd1) * Lsys1	-1,68 [kN/m]
Cpe7	Zadeldak; Druk coefficient (Cpe): S10,S11	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=I,Hoek=14.93)	-0,40
q8	Zadeldak; Verdeelde element belasting (q): S10,S11	(Qp1*Cpe7*CsCd1) * Lsys1	-0,68 [kN/m]
q9	Vertikale wand; Verdeelde element belasting (q): S23,S24	(Qp1*Cpe3*CsCd1) * Lsys1	-0,85 [kN/m]
q10	Vertikale wand; Verdeelde element belasting (q): S23,S24	(Qp1*(Cpe2-C2)*CsCd1) * Lsys1	-0,52 [kN/m]
LR4 (Windbelasting van Links + Overdruk (2e Cpe))			
	Windbelasting van Links + Overdruk (2e Cpe)	NEN-EN1991-1-4:2011/NB:2011	
A2	Belast oppervlak (A)	22.50	22,50 [m²]
Cpe8	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.60)	0,80
Cpi2	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe8,Openingen=0.00,Over=True)	0,20
Z3	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8,K9,K10,K12,K13,K14,K16,K18,K20	9.00	9,00 [m]
Qp2	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z3,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]
Cpe9	Vertikale wand; Druk coefficient (Cpe): S1,S23,S24	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.60,Eerst=False)	0,80
q11	Vertikale wand; Verdeelde element belasting (q): S1,S23,S24	(Qp2*Cpe9*CsCd1) * Lsys1	1,35 [kN/m]
Cpe10	Vertikale wand; Druk coefficient (Cpe): S1,S23,S24	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=E,hd=0.60,Eerst=False)	-0,50
C3	Vertikale wand; Druk coefficient (Cpe) incl. correlatiefactor: S1,S23,S24	(Cpe9-Cpe10) * C1	1,11
q12	Vertikale wand; Verdeelde element belasting (q): S1,S23,S24	(Qp2*(Cpe10+C3)*CsCd1) * Lsys1	1,02 [kN/m]
q13	Interne druk; Verdeelde element belasting (q)	(Cpi2*Qp2) * Lsys1	0,34 [kN/m]
Cpe11	Zadeldak; Druk coefficient (Cpe): S7,S8	NEN-EN1991-1-4#7.2(Dak=Zadel	0,20

		dak,Zone=F,Hoek=14.93,Eerst=False)	
q14	Zadeldak; Verdeelde element belasting (q): S7,S8	(Qp2*Cpe11*CsCd1) * Lsys1	0,34 [kN/m]
Cpe12	Zadeldak; Druk coefficient (Cpe): S8	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=H,Hoek=14.93,Eerst=False)	0,20

Index	Staven	Berekening	Waarde Eenhede
LR4 (Windbelasting van Links + Overdruk (2e Cpe))			
q15	Zadeldak; Verdeelde element belasting (q): S8	(Qp2*Cpe12*CsCd1) * Lsys1	0,34 [kN/m]
Cpe13	Zadeldak; Druk coefficient (Cpe): S10	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=J,Hoek=14.93,Eerst=False)	0,00
q16	Zadeldak; Verdeelde element belasting (q): S10	(Qp2*Cpe13*CsCd1) * Lsys1	0,00 [kN/m]
Cpe14	Zadeldak; Druk coefficient (Cpe): S10,S11	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=I,Hoek=14.93,Eerst=False)	0,00
q17	Zadeldak; Verdeelde element belasting (q): S10,S11	(Qp2*Cpe14*CsCd1) * Lsys1	0,00 [kN/m]
q18	Vertikale wand; Verdeelde element belasting (q): S23,S24	(Qp2*Cpe10*CsCd1) * Lsys1	-0,85 [kN/m]
q19	Vertikale wand; Verdeelde element belasting (q): S23,S24	(Qp2*(Cpe9-C3)*CsCd1) * Lsys1	-0,52 [kN/m]
LR5 (Windbelasting van Links + Onderdruk)			
	Windbelasting van Links + Onderdruk	NEN-EN1991-1-4:2011/NB:2011	
A3	Belast oppervlak (A)	22.50	22,50 [m²]
Cpe15	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.60)	-0,50
Cpi3	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe15,Openingen=0.00,Over=False)	-0,30
Z4	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8,K9,K10,K12,K13,K14,K16,K18,K20	9.00	9,00 [m]
Qp3	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z4,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]
Cpe16	Vertikale wand; Druk coefficient (Cpe): S1,S23,S24	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D,hd=0.60)	0,80
q20	Vertikale wand; Verdeelde element belasting (q): S1,S23,S24	(Qp3*Cpe16*CsCd1) * Lsys1	1,35 [kN/m]
Cpe17	Vertikale wand; Druk coefficient (Cpe): S1,S23,S24	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.60)	-0,50
C4	Vertikale wand; Druk coefficient (Cpe) incl. correlatiefactor: S1,S23,S24	(Cpe16-Cpe17) * C1	1,11
q21	Vertikale wand; Verdeelde element belasting (q): S1,S23,S24	(Qp3*(Cpe17+C4)*CsCd1) * Lsys1	1,02 [kN/m]
q22	Interne druk; Verdeelde element belasting (q)	(Cpi3*Qp3) * Lsys1	-0,51 [kN/m]
Cpe18	Zadeldak; Druk coefficient (Cpe): S7,S8	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=F,Hoek=14.93)	-0,91
q23	Zadeldak; Verdeelde element belasting (q): S7,S8	(Qp3*Cpe18*CsCd1) * Lsys1	-1,53 [kN/m]
Cpe19	Zadeldak; Druk coefficient (Cpe): S8	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=H,Hoek=14.93)	-0,30
q24	Zadeldak; Verdeelde element belasting (q): S8	(Qp3*Cpe19*CsCd1) * Lsys1	-0,51 [kN/m]
Cpe20	Zadeldak; Druk coefficient (Cpe): S10	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=J,Hoek=14.93)	-0,99
q25	Zadeldak; Verdeelde element belasting (q): S10	(Qp3*Cpe20*CsCd1) * Lsys1	-1,68 [kN/m]
Cpe21	Zadeldak; Druk coefficient (Cpe): S10,S11	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=I,Hoek=14.93)	-0,40
q26	Zadeldak; Verdeelde element belasting (q): S10,S11	(Qp3*Cpe21*CsCd1) * Lsys1	-0,68 [kN/m]
q27	Vertikale wand; Verdeelde element belasting (q): S23,S24	(Qp3*Cpe17*CsCd1) * Lsys1	-0,85 [kN/m]
q28	Vertikale wand; Verdeelde element belasting (q): S23,S24	(Qp3*(Cpe16-C4)*CsCd1) * Lsys1	-0,52 [kN/m]
LR6 (Windbelasting van Links + Onderdruk (2e Cpe))			
	Windbelasting van Links + Onderdruk (2e Cpe)	NEN-EN1991-1-4:2011/NB:2011	
A4	Belast oppervlak (A)	22.50	22,50 [m²]
Cpe22	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.60)	-0,50
Cpi4	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe22,Openingen=0.00,Over=False)	-0,30

Z5	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8,K9,K10,K12,K13,K14,K16,K18,K20	9.00	9,00 [m]
Qp4	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z5,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]

Index	Staven	Berekening	Waarde Eenhede
LR6 (Windbelasting van Links + Onderdruk (2e Cpe))			
Cpe23	Vertikale wand; Druk coefficient (Cpe): S1,S23,S24	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D,hd=0.60,Eerst=False)	0,80
q29	Vertikale wand; Verdeelde element belasting (q): S1,S23,S24	(Qp4*Cpe23*CsCd1) * Lsys1	1,35 [kN/m]
Cpe24	Vertikale wand; Druk coefficient (Cpe): S1,S23,S24	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.60,Eerst=False)	-0,50
C5	Vertikale wand; Druk coefficient (Cpe) incl. correlatiefactor: S1,S23,S24	(Cpe23-Cpe24) * C1	1,11
q30	Vertikale wand; Verdeelde element belasting (q): S1,S23,S24	(Qp4*(Cpe24+C5)*CsCd1) * Lsys1	1,02 [kN/m]
q31	Interne druk; Verdeelde element belasting (q)	(Cpi4*Qp4) * Lsys1	-0,51 [kN/m]
Cpe25	Zadeldak; Druk coefficient (Cpe): S7,S8	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=F,Hoek=14.93,Eerst=False)	0,20
q32	Zadeldak; Verdeelde element belasting (q): S7,S8	(Qp4*Cpe25*CsCd1) * Lsys1	0,34 [kN/m]
Cpe26	Zadeldak; Druk coefficient (Cpe): S8	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=H,Hoek=14.93,Eerst=False)	0,20
q33	Zadeldak; Verdeelde element belasting (q): S8	(Qp4*Cpe26*CsCd1) * Lsys1	0,34 [kN/m]
Cpe27	Zadeldak; Druk coefficient (Cpe): S10	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=J,Hoek=14.93,Eerst=False)	0,00
q34	Zadeldak; Verdeelde element belasting (q): S10	(Qp4*Cpe27*CsCd1) * Lsys1	0,00 [kN/m]
Cpe28	Zadeldak; Druk coefficient (Cpe): S10,S11	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=I,Hoek=14.93,Eerst=False)	0,00
q35	Zadeldak; Verdeelde element belasting (q): S10,S11	(Qp4*Cpe28*CsCd1) * Lsys1	0,00 [kN/m]
q36	Vertikale wand; Verdeelde element belasting (q): S23,S24	(Qp4*Cpe24*CsCd1) * Lsys1	-0,85 [kN/m]
q37	Vertikale wand; Verdeelde element belasting (q): S23,S24	(Qp4*(Cpe23-C5)*CsCd1) * Lsys1	-0,52 [kN/m]
LR7 (Windbelasting van Rechts + Overdruk)			
	Windbelasting van Rechts + Overdruk	NEN-EN1991-1-4:2011/NB:2011	
A5	Belast oppervlak (A)	22.50	22,50 [m²]
Cpe29	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D,hd=0.60)	0,80
Cpi5	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe29,Openingen=0.00,Over=True)	0,20
Z6	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8,K9,K10,K12,K13,K14,K16,K18,K20	9.00	9,00 [m]
Qp5	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z6,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]
Cpe30	Vertikale wand; Druk coefficient (Cpe): S1,S23,S24	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.60)	-0,50
q38	Vertikale wand; Verdeelde element belasting (q): S1,S23,S24	(Qp5*Cpe30*CsCd1) * Lsys1	-0,85 [kN/m]
Cpe31	Vertikale wand; Druk coefficient (Cpe): S1,S23,S24	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D,hd=0.60)	0,80
C6	Vertikale wand; Druk coefficient (Cpe) incl. correlatiefactor: S1,S23,S24	(Cpe31-Cpe30) * C1	1,11
q39	Vertikale wand; Verdeelde element belasting (q): S1,S23,S24	(Qp5*(Cpe31-C6)*CsCd1) * Lsys1	-0,52 [kN/m]
q40	Vertikale wand; Verdeelde element belasting (q): S1,S23,S24	(Qp5*(Cpe30+C6)*CsCd1) * Lsys1	1,02 [kN/m]
q41	Interne druk; Verdeelde element belasting (q)	(Cpi5*Qp5) * Lsys1	0,34 [kN/m]
Cpe32	Zadeldak; Druk coefficient (Cpe): S7,S8	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=I,Hoek=14.93)	-0,40
q42	Zadeldak; Verdeelde element belasting (q): S7,S8	(Qp5*Cpe32*CsCd1) * Lsys1	-0,68 [kN/m]
Cpe33	Zadeldak; Druk coefficient (Cpe): S8	NEN-EN1991-1-4#7.2(Dak=Zadel	-0,99

		dak,Zone=J,Hoek=14.93)	
q43	Zadeldak; Verdeelde element belasting (q): S8	(Qp5*Cpe33*CsCd1) * Lsys1	-1,68 [kN/m]
Cpe34	Zadeldak; Druk coefficient (Cpe): S10,S11	NEN-EN1991-1-4#7.2(Dak=Zadel dak,Zone=H,Hoek=14.93)	-0,30
q44	Zadeldak; Verdeelde element belasting (q): S10,S11	(Qp5*Cpe34*CsCd1) * Lsys1	-0,51 [kN/m]

Index	Staven	Berekening	Waarde Eenhede
LR7 (Windbelasting van Rechts + Overdruk)			
Cpe35	Zadeldak; Druk coefficient (Cpe): S11	NEN-EN1991-1-4#7.2(Dak=Zadel dak,Zone=F,Hoek=14.93)	-0,91
q45	Zadeldak; Verdeelde element belasting (q): S11	(Qp5*Cpe35*CsCd1) * Lsys1	-1,53 [kN/m]
q46	Vertikale wand; Verdeelde element belasting (q): S23,S24	(Qp5*Cpe31*CsCd1) * Lsys1	1,35 [kN/m]
LR8 (Windbelasting van Rechts + Overdruk (2e Cpe))			
	Windbelasting van Rechts + Overdruk (2e Cpe)	NEN-EN1991-1-4:2011/NB:2011	
A6	Belast oppervlak (A)	22.50	22,50 [m²]
Cpe36	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.60)	0,80
Cpi6	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe36,Openingen=0.00,Over=True)	0,20
Z7	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8,K9,K10,K12,K13,K14,K16,K18,K20	9.00	9,00 [m]
Qp6	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z7,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]
Cpe37	Vertikale wand; Druk coefficient (Cpe): S1,S23,S24	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=E,hd=0.60,Eerst=False)	-0,50
q47	Vertikale wand; Verdeelde element belasting (q): S1,S23,S24	(Qp6*Cpe37*CsCd1) * Lsys1	-0,85 [kN/m]
Cpe38	Vertikale wand; Druk coefficient (Cpe): S1,S23,S24	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.60,Eerst=False)	0,80
C7	Vertikale wand; Druk coefficient (Cpe) incl. correlatiefactor: S1,S23,S24	(Cpe38-Cpe37) * C1	1,11
q48	Vertikale wand; Verdeelde element belasting (q): S1,S23,S24	(Qp6*(Cpe38-C7)*CsCd1) * Lsys1	-0,52 [kN/m]
q49	Vertikale wand; Verdeelde element belasting (q): S1,S23,S24	(Qp6*(Cpe37+C7)*CsCd1) * Lsys1	1,02 [kN/m]
q50	Interne druk; Verdeelde element belasting (q)	(Cpi6*Qp6) * Lsys1	0,34 [kN/m]
Cpe39	Zadeldak; Druk coefficient (Cpe): S7,S8	NEN-EN1991-1-4#7.2(Dak=Zadel dak,Zone=I,Hoek=14.93,Eerst=False)	0,00
q51	Zadeldak; Verdeelde element belasting (q): S7,S8	(Qp6*Cpe39*CsCd1) * Lsys1	0,00 [kN/m]
Cpe40	Zadeldak; Druk coefficient (Cpe): S8	NEN-EN1991-1-4#7.2(Dak=Zadel dak,Zone=J,Hoek=14.93,Eerst=False)	0,00
q52	Zadeldak; Verdeelde element belasting (q): S8	(Qp6*Cpe40*CsCd1) * Lsys1	0,00 [kN/m]
Cpe41	Zadeldak; Druk coefficient (Cpe): S10,S11	NEN-EN1991-1-4#7.2(Dak=Zadel dak,Zone=H,Hoek=14.93,Eerst=False)	0,20
q53	Zadeldak; Verdeelde element belasting (q): S10,S11	(Qp6*Cpe41*CsCd1) * Lsys1	0,34 [kN/m]
Cpe42	Zadeldak; Druk coefficient (Cpe): S11	NEN-EN1991-1-4#7.2(Dak=Zadel dak,Zone=F,Hoek=14.93,Eerst=False)	0,20
q54	Zadeldak; Verdeelde element belasting (q): S11	(Qp6*Cpe42*CsCd1) * Lsys1	0,34 [kN/m]
q55	Vertikale wand; Verdeelde element belasting (q): S23,S24	(Qp6*Cpe38*CsCd1) * Lsys1	1,35 [kN/m]
LR9 (Windbelasting van Rechts + Onderdruk)			
	Windbelasting van Rechts + Onderdruk	NEN-EN1991-1-4:2011/NB:2011	
A7	Belast oppervlak (A)	22.50	22,50 [m²]
Cpe43	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=E,hd=0.60)	-0,50
Cpi7	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe43,Openingen=0.00,Over=False)	-0,30
Z8	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8,K9,K10,K12,K13,K14,K16,K18,K20	9.00	9,00 [m]
Qp7	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z8,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]

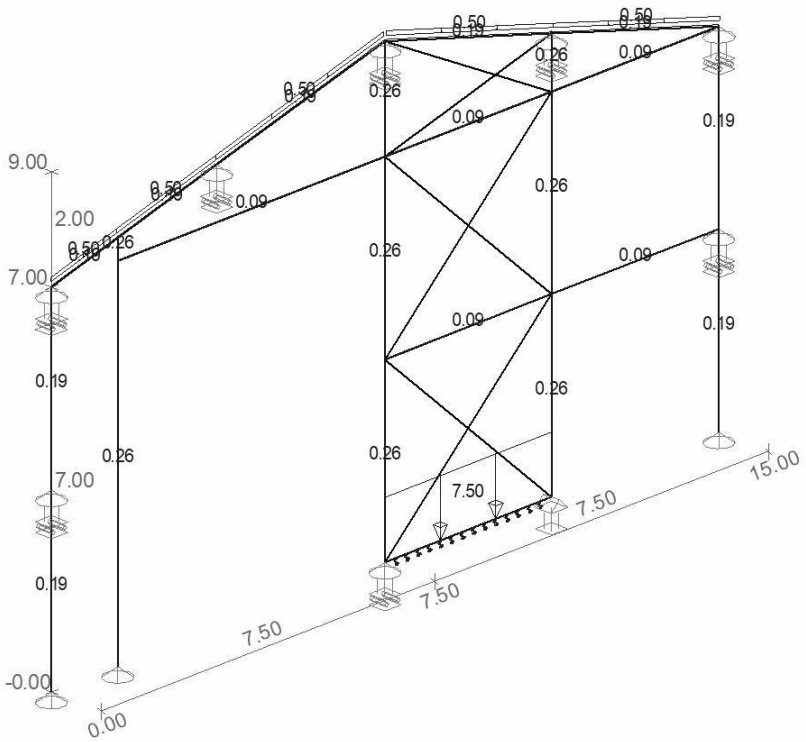
Cpe44	Vertikale wand; Druk coefficient (Cpe): S1,S23,S24	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=E,hd=0.60)	-0,50
q56	Vertikale wand; Verdeelde element belasting (q): S1,S23,S24	(Qp7*Cpe44*CsCd1) * Lsys1	-0,85 [kN/m]

Index	Staven	Berekening	Waarde Eenheden
LR9 (Windbelasting van Rechts + Onderdruk)			
Cpe45	Vertikale wand; Druk coefficient (Cpe): S1,S23,S24	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.60)	0,80
C8	Vertikale wand; Druk coefficient (Cpe) incl. correlatiefactor: S1,S23,S24	(Cpe45-Cpe44) * C1	1,11
q57	Vertikale wand; Verdeelde element belasting (q): S1,S23,S24	(Qp7*(Cpe45-C8)*CsCd1) * Lsys1	-0,52 [kN/m]
q58	Vertikale wand; Verdeelde element belasting (q): S1,S23,S24	(Qp7*(Cpe44+C8)*CsCd1) * Lsys1	1,02 [kN/m]
q59	Interne druk; Verdeelde element belasting (q)	(Cpi7*Qp7) * Lsys1	-0,51 [kN/m]
Cpe46	Zadeldak; Druk coefficient (Cpe): S7,S8	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=I,Hoek=14.93)	-0,40
q60	Zadeldak; Verdeelde element belasting (q): S7,S8	(Qp7*Cpe46*CsCd1) * Lsys1	-0,68 [kN/m]
Cpe47	Zadeldak; Druk coefficient (Cpe): S8	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=J,Hoek=14.93)	-0,99
q61	Zadeldak; Verdeelde element belasting (q): S8	(Qp7*Cpe47*CsCd1) * Lsys1	-1,68 [kN/m]
Cpe48	Zadeldak; Druk coefficient (Cpe): S10,S11	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=H,Hoek=14.93)	-0,30
q62	Zadeldak; Verdeelde element belasting (q): S10,S11	(Qp7*Cpe48*CsCd1) * Lsys1	-0,51 [kN/m]
Cpe49	Zadeldak; Druk coefficient (Cpe): S11	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=F,Hoek=14.93)	-0,91
q63	Zadeldak; Verdeelde element belasting (q): S11	(Qp7*Cpe49*CsCd1) * Lsys1	-1,53 [kN/m]
q64	Vertikale wand; Verdeelde element belasting (q): S23,S24	(Qp7*Cpe45*CsCd1) * Lsys1	1,35 [kN/m]
LR10 (Windbelasting van Rechts + Onderdruk (2e Cpe))			
	Windbelasting van Rechts + Onderdruk (2e Cpe)	NEN-EN1991-1-4:2011/NB:2011	
A8	Belast oppervlak (A)	22.50	22,50 [m²]
Cpe50	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=E,hd=0.60)	-0,50
Cpi8	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe50,Openingen=0.00,Over=False)	-0,30
Z9	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8,K9,K10,K12,K13,K14,K16,K18,K20	9.00	9,00 [m]
Qp8	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z9,Terrein=Cat1,Regio=Region1,C0=Co1)	0,68 [kN/m²]
Cpe51	Vertikale wand; Druk coefficient (Cpe): S1,S23,S24	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=E,hd=0.60,Eerst=False)	-0,50
q65	Vertikale wand; Verdeelde element belasting (q): S1,S23,S24	(Qp8*Cpe51*CsCd1) * Lsys1	-0,85 [kN/m]
Cpe52	Vertikale wand; Druk coefficient (Cpe): S1,S23,S24	NEN-EN1991-1-4#7.2(Dak=Wand, Zone=D,hd=0.60,Eerst=False)	0,80
C9	Vertikale wand; Druk coefficient (Cpe) incl. correlatiefactor: S1,S23,S24	(Cpe52-Cpe51) * C1	1,11
q66	Vertikale wand; Verdeelde element belasting (q): S1,S23,S24	(Qp8*(Cpe52-C9)*CsCd1) * Lsys1	-0,52 [kN/m]
q67	Vertikale wand; Verdeelde element belasting (q): S1,S23,S24	(Qp8*(Cpe51+C9)*CsCd1) * Lsys1	1,02 [kN/m]
q68	Interne druk; Verdeelde element belasting (q)	(Cpi8*Qp8) * Lsys1	-0,51 [kN/m]
Cpe53	Zadeldak; Druk coefficient (Cpe): S7,S8	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=I,Hoek=14.93,Eerst=False)	0,00
q69	Zadeldak; Verdeelde element belasting (q): S7,S8	(Qp8*Cpe53*CsCd1) * Lsys1	0,00 [kN/m]
Cpe54	Zadeldak; Druk coefficient (Cpe): S8	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=J,Hoek=14.93,Eerst=False)	0,00
q70	Zadeldak; Verdeelde element belasting (q): S8	(Qp8*Cpe54*CsCd1) * Lsys1	0,00 [kN/m]
Cpe55	Zadeldak; Druk coefficient (Cpe): S10,S11	NEN-EN1991-1-4#7.2(Dak=Zadeldak,Zone=H,Hoek=14.93,Eerst=False)	0,20
q71	Zadeldak; Verdeelde element belasting (q): S10,S11	(Qp8*Cpe55*CsCd1) * Lsys1	0,34 [kN/m]
Cpe56	Zadeldak; Druk coefficient (Cpe): S11	NEN-EN1991-1-4#7.2(Dak=Zadel	0,20

		dak,Zone=F,Hoek=14.93,Eerst=False)	
q72	Zadeldak; Verdeelde element belasting (q): S11	(Qp8*Cpe56*CsCd1) * Lsys1	0,34 [kN/m]
q73	Vertikale wand; Verdeelde element belasting (q): S23,S24	(Qp8*Cpe52*CsCd1) * Lsys1	1,35 [kN/m]

Index	Staven	Berekening	Waarde Eenheden
LR11 (Sneeuwbelasting)			
	Sneeuwbelasting	NEN-EN1991-1-3:2011/NB:2011	
Sk1	Karakteristiek waarde van de sneeuwlast op de grond (Sk)	NEN-EN1991-1-3#4.1(Zone=1)	0,70 [kN/m²]
Ce1	De milieucoefficient (Ce)	NEN-EN1991-1-3#5.2.7()	1,00
Ct1	De thermische coefficient (Ct)	NEN-EN1991-1-3#5.2.8()	1,00
	Zadeldak, Mu1 Hoek: 14.93; S7,S8,S10,S11		
Mu1	Mu1; Sneeuwbelasting coefficient (Mu)	EN1991-1-3#5.3(Dak=Hellend,Hoek=14.93,Mu=Mu1,Sk=Sk1)	0,80
q74	Verdeelde element belasting (q)	(Sk1*Ce1*Ct1*Mu1) * Lsys1	1,40 [kN/m]
q75	Verdeelde element belasting (q)	q74*0.50	0,70 [kN/m]

B.G.1: PERMANENTE BELASTING

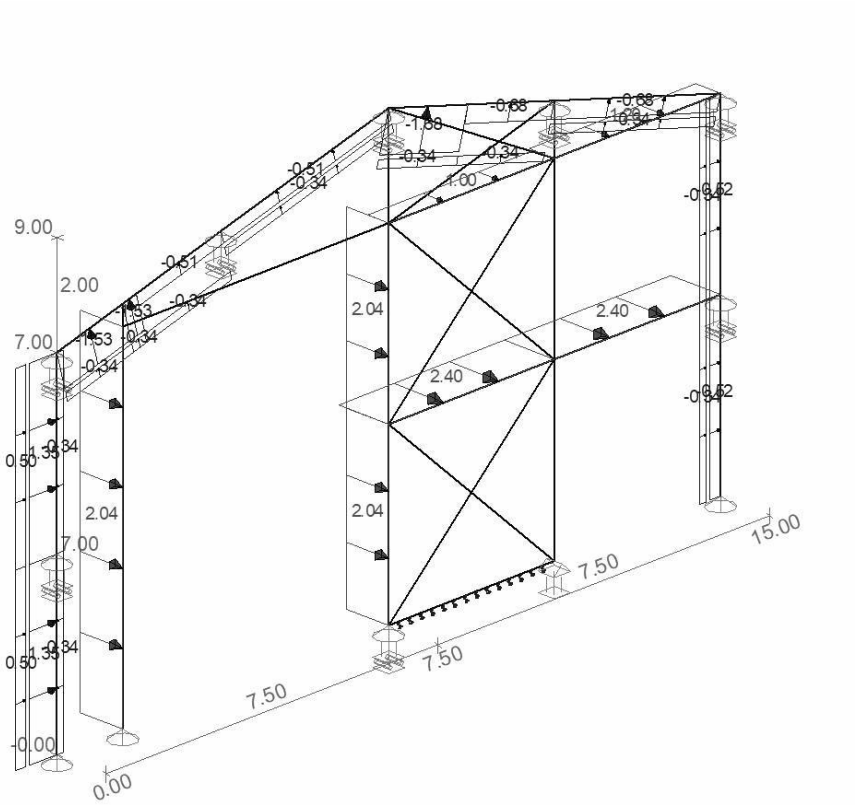


B.G.1: PERMANENTE BELASTING

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.1: Permanente Belasting					
qG	0,19 (1.00x)	0,19 (1.00x)	0,00	1,55(L)	Z" S7
qG	0,19 (1.00x)	0,19 (1.00x)	0,00	3,88(L)	Z" S10-S11
qG	0,09 (1.00x)	0,09 (1.00x)	0,00	3,75(L)	Z" S13-S14,S29-S30
qG	0,09 (1.00x)	0,09 (1.00x)	0,00	6,00(L)	Z" S15
qG	0,26 (1.00x)	0,26 (1.00x)	0,00	2,00(L)	Z" S18
qG	0,26 (1.00x)	0,26 (1.00x)	0,00	7,00(L)	Z" S19
qG	0,26 (1.00x)	0,26 (1.00x)	0,00	0,40(L)	Z" S20
qG	0,26 (1.00x)	0,26 (1.00x)	0,00	1,00(L)	Z" S22
qG	0,19 (1.00x)	0,19 (1.00x)	0,00	3,50(L)	Z" S23-S24,S38-S39
qG	0,26 (1.00x)	0,26 (1.00x)	0,00	3,50(L)	Z" S25-S28
qG	7,50 (1.00x)	7,50 (1.00x)	0,00	3,75(L)	Z" S31

q	0,50 (q1)	0,50 (q1)	0,00	1,55(L)	Z" S7,S10-S11,S40-S41
qG	0,19 (1.00x)	0,19 (1.00x)	0,00	2,30(L)	Z" S40
qG	0,19 (1.00x)	0,19 (1.00x)	0,00	3,91(L)	Z" S41

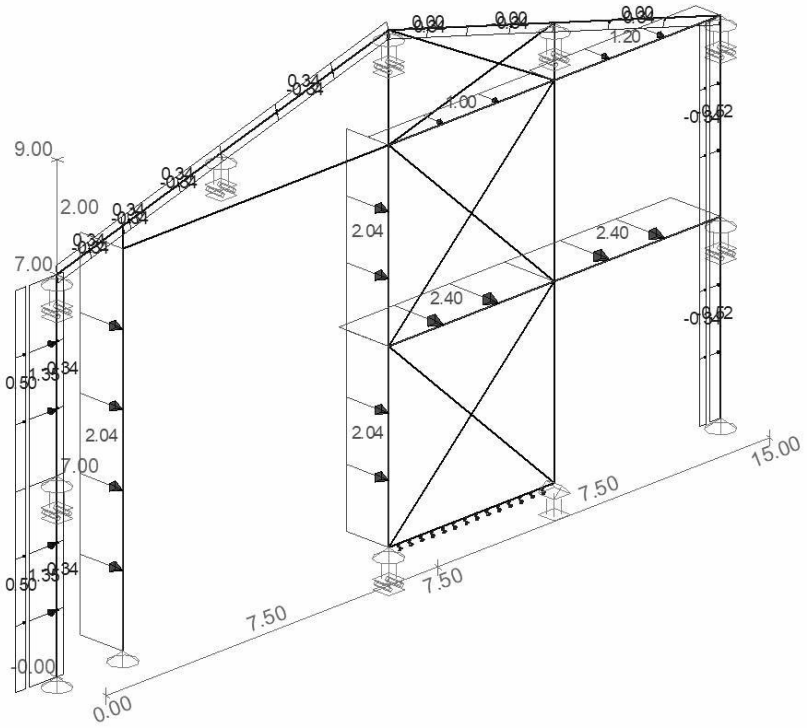
B.G.2: WINDBELASTING VAN LINKS + OVERDRUK



B.G.2: WINDBELASTING VAN LINKS + OVERDRUK

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.2: Windbelasting van Links + Overdruk						
q	-1,53 (q5)	-1,53 (q5)	0,00	1,55(L)	Z'	S7
q	-0,34 (-q4)	-0,34 (-q4)	0,00	1,55(L)	Z'	S7,S11,S23-S24,S38-S39,S41
q	-1,68 (q7)	-1,68 (q7)	0,00	1,86	Z'	S10
q	-0,34 (-q4)	-0,34 (-q4)	0,00	1,86	Z'	S10
q	-0,68 (q8)	-0,68 (q8)	1,86	3,88(L)	Z'	S10
q	-0,34 (-q4)	-0,34 (-q4)	1,86	3,88(L)	Z'	S10
q	-0,68 (q8)	-0,68 (q8)	0,00	3,88(L)	Z'	S11
q	-0,52 (q10)	-0,52 (q10)	0,00	3,50(L)	Z'	S23-S24
q	2,40	2,40	0,00	3,75(L)	Y	S29-S30
q	1,20	1,20	0,00	3,75(L)	Y	S13
q	1,00	1,00	0,00	3,75(L)	Y	S14
q	2,04	2,04	0,00	3,50(L)	Y	S19,S25-S26
q	1,35 (q2)	1,35 (q2)	0,00	3,50(L)	Z'	S38-S39
q	0,50	0,50	0,00	3,50(L)	Z'	S38-S39
q	-1,53 (q5)	-1,53 (q5)	0,00	0,31	Z'	S40
q	-0,34 (-q4)	-0,34 (-q4)	0,00	0,31	Z'	S40
q	-0,51 (q6)	-0,51 (q6)	0,31	2,30(L)	Z'	S40
q	-0,51 (q6)	-0,51 (q6)	0,00	3,91(L)	Z'	S41
q	-0,34 (-q4)	-0,34 (-q4)	0,31	2,30(L)	Z'	S40

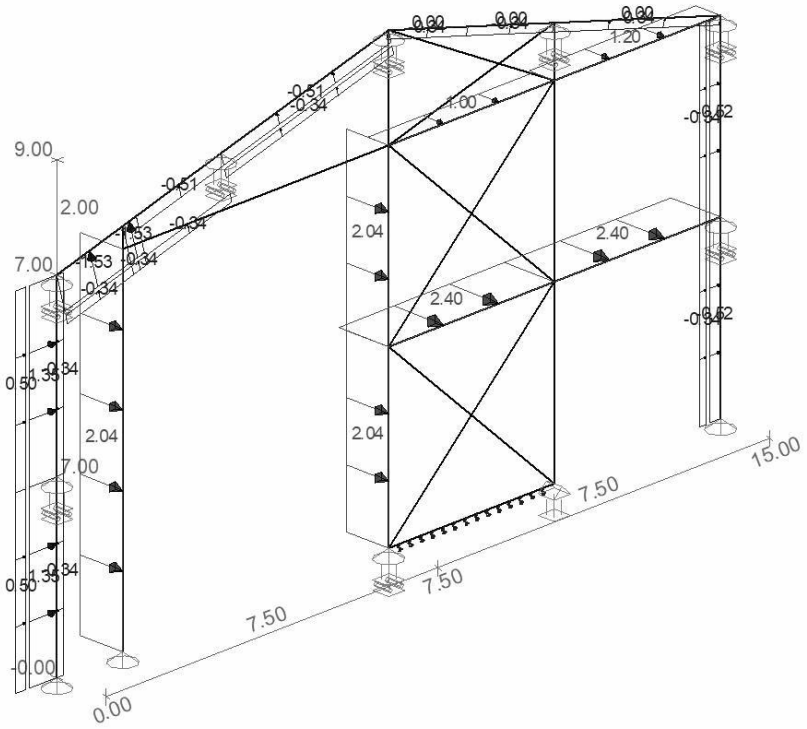
B.G.3: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE)



B.G.3: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.3: Windbelasting van Links + Overdruk (2e Cpe)						
q	0,34 (q14)	0,34 (q14)	0,00	1,55(L)	Z'	S7
q	-0,34 (-q13)	-0,34 (-q13)	0,00	1,55(L)	Z'	S7,S11,S23-S24,S38-S39,S41
q	0,00 (q16)	0,00 (q16)	0,00	1,86	Z'	S10
q	-0,34 (-q13)	-0,34 (-q13)	0,00	1,86	Z'	S10
q	0,00 (q17)	0,00 (q17)	1,86	3,88(L)	Z'	S10
q	-0,34 (-q13)	-0,34 (-q13)	1,86	3,88(L)	Z'	S10
q	0,00 (q17)	0,00 (q17)	0,00	3,88(L)	Z'	S11
q	-0,52 (q19)	-0,52 (q19)	0,00	3,50(L)	Z'	S23-S24
q	2,40	2,40	0,00	3,75(L)	Y	S29-S30
q	1,20	1,20	0,00	3,75(L)	Y	S13
q	1,00	1,00	0,00	3,75(L)	Y	S14
q	2,04	2,04	0,00	3,50(L)	Y	S19,S25-S26
q	1,35 (q11)	1,35 (q11)	0,00	3,50(L)	Z'	S38-S39
q	0,50	0,50	0,00	3,50(L)	Z'	S38-S39
q	0,34 (q14)	0,34 (q14)	0,00	0,31	Z'	S40
q	-0,34 (-q13)	-0,34 (-q13)	0,00	0,31	Z'	S40
q	0,34 (q15)	0,34 (q15)	0,31	2,30(L)	Z'	S40
q	0,34 (q15)	0,34 (q15)	0,00	3,91(L)	Z'	S41
q	-0,34 (-q13)	-0,34 (-q13)	0,31	2,30(L)	Z'	S40

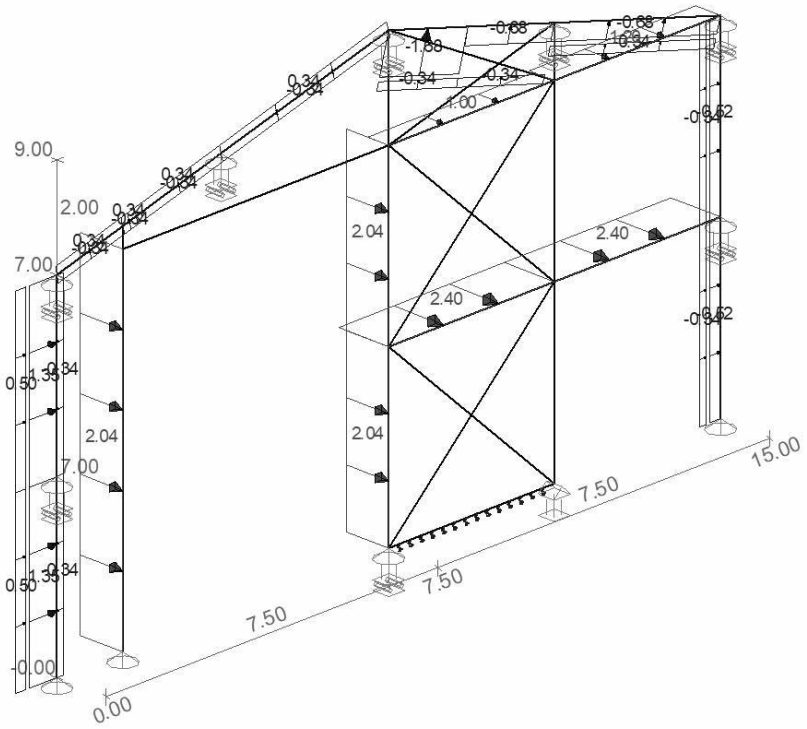
B.G.4: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE)



B.G.4: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.4: Windbelasting van Links + Overdruk (Zadeldak FGH 1e Cpe + IJ 2e Cpe)						
q	-1,53 (q5)	-1,53 (q5)	0,00	1,55(L)		Z' S7
q	-0,34 (-q4)	-0,34 (-q4)	0,00	1,55(L)		Z' S7,S11,S23-S24,S38-S39,S41
q	0,00 (q16)	0,00 (q16)	0,00	1,86		Z' S10
q	-0,34 (-q4)	-0,34 (-q4)	0,00	1,86		Z' S10
q	0,00 (q17)	0,00 (q17)	1,86	3,88(L)		Z' S10
q	-0,34 (-q4)	-0,34 (-q4)	1,86	3,88(L)		Z' S10
q	0,00 (q17)	0,00 (q17)	0,00	3,88(L)		Z' S11
q	-0,52 (q10)	-0,52 (q10)	0,00	3,50(L)		Z' S23-S24
q	2,40	2,40	0,00	3,75(L)		Y S29-S30
q	1,20	1,20	0,00	3,75(L)		Y S13
q	1,00	1,00	0,00	3,75(L)		Y S14
q	2,04	2,04	0,00	3,50(L)		Y S19,S25-S26
q	1,35 (q2)	1,35 (q2)	0,00	3,50(L)		Z' S38-S39
q	0,50	0,50	0,00	3,50(L)		Z' S38-S39
q	-1,53 (q5)	-1,53 (q5)	0,00	0,31		Z' S40
q	-0,34 (-q4)	-0,34 (-q4)	0,00	0,31		Z' S40
q	-0,51 (q6)	-0,51 (q6)	0,31	2,30(L)		Z' S40
q	-0,51 (q6)	-0,51 (q6)	0,00	3,91(L)		Z' S41
q	-0,34 (-q4)	-0,34 (-q4)	0,31	2,30(L)		Z' S40

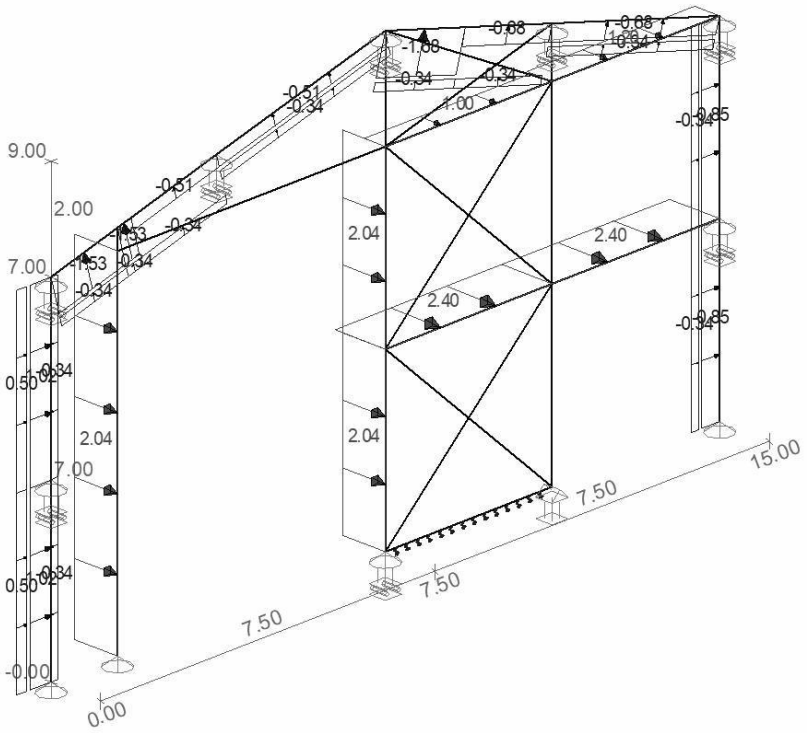
B.G.5: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE)



B.G.5: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.5: Windbelasting van Links + Overdruk (Zadeldak FGH 2e Cpe + IJ 1e Cpe)						
q	0,34 (q14)	0,34 (q14)	0,00	1,55	(L)	Z' S7
q	-0,34 (-q4)	-0,34 (-q4)	0,00	1,55	(L)	Z' S7,S11,S23-S24,S38-S39,S41
q	-1,68 (q7)	-1,68 (q7)	0,00	1,86		Z' S10
q	-0,34 (-q4)	-0,34 (-q4)	0,00	1,86		Z' S10
q	-0,68 (q8)	-0,68 (q8)	1,86	3,88	(L)	Z' S10
q	-0,34 (-q4)	-0,34 (-q4)	1,86	3,88	(L)	Z' S10
q	-0,68 (q8)	-0,68 (q8)	0,00	3,88	(L)	Z' S11
q	-0,52 (q10)	-0,52 (q10)	0,00	3,50	(L)	Z' S23-S24
q	2,40	2,40	0,00	3,75	(L)	Y S29-S30
q	1,20	1,20	0,00	3,75	(L)	Y S13
q	1,00	1,00	0,00	3,75	(L)	Y S14
q	2,04	2,04	0,00	3,50	(L)	Y S19,S25-S26
q	1,35 (q2)	1,35 (q2)	0,00	3,50	(L)	Z' S38-S39
q	0,50	0,50	0,00	3,50	(L)	Z' S38-S39
q	0,34 (q14)	0,34 (q14)	0,00	0,31		Z' S40
q	-0,34 (-q4)	-0,34 (-q4)	0,00	0,31		Z' S40
q	0,34 (q15)	0,34 (q15)	0,31	2,30	(L)	Z' S40
q	0,34 (q15)	0,34 (q15)	0,00	3,91	(L)	Z' S41
q	-0,34 (-q4)	-0,34 (-q4)	0,31	2,30	(L)	Z' S40

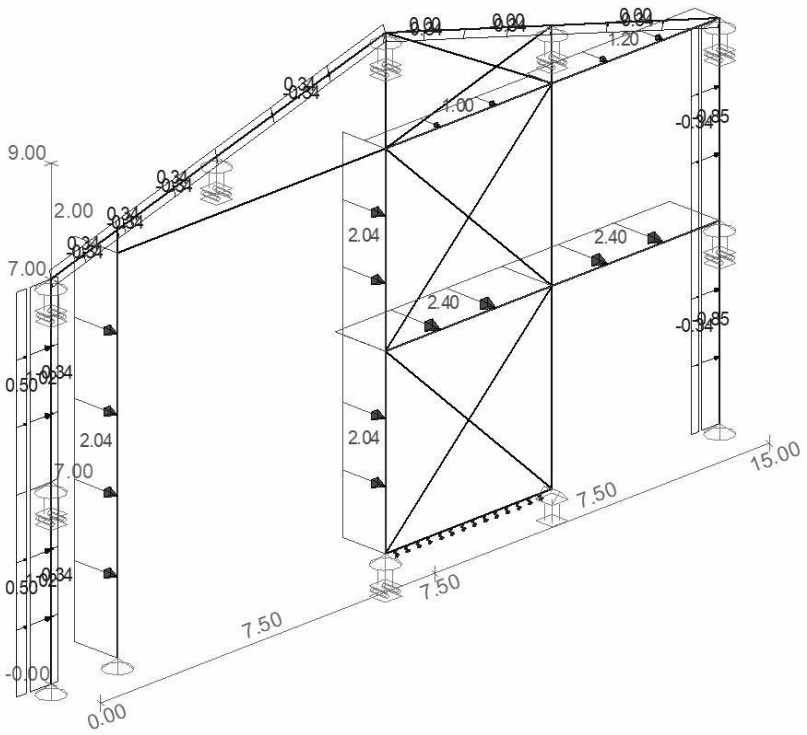
B.G.6: WINDBELASTING VAN LINKS + OVERDRUK (2E CORR. FACTOR)



B.G.6: WINDBELASTING VAN LINKS + OVERDRUK (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.6: Windbelasting van Links + Overdruk (2e corr. factor)					
q	-0,85 (q9)	-0,85 (q9)	0,00	3,50(L)	Z' S23-S24
q	-1,53 (q5)	-1,53 (q5)	0,00	1,55(L)	Z' S7
q	-0,34 (-q4)	-0,34 (-q4)	0,00	1,55(L)	Z' S7,S11,S23-S24,S38-S39,S41
q	-1,68 (q7)	-1,68 (q7)	0,00	1,86	Z' S10
q	-0,34 (-q4)	-0,34 (-q4)	0,00	1,86	Z' S10
q	-0,68 (q8)	-0,68 (q8)	1,86	3,88(L)	Z' S10
q	-0,34 (-q4)	-0,34 (-q4)	1,86	3,88(L)	Z' S10
q	-0,68 (q8)	-0,68 (q8)	0,00	3,88(L)	Z' S11
q	2,40	2,40	0,00	3,75(L)	Y S29-S30
q	1,20	1,20	0,00	3,75(L)	Y S13
q	1,00	1,00	0,00	3,75(L)	Y S14
q	2,04	2,04	0,00	3,50(L)	Y S19,S25-S26
q	1,02 (q3)	1,02 (q3)	0,00	3,50(L)	Z' S38-S39
q	0,50	0,50	0,00	3,50(L)	Z' S38-S39
q	-1,53 (q5)	-1,53 (q5)	0,00	0,31	Z' S40
q	-0,34 (-q4)	-0,34 (-q4)	0,00	0,31	Z' S40
q	-0,51 (q6)	-0,51 (q6)	0,31	2,30(L)	Z' S40
q	-0,51 (q6)	-0,51 (q6)	0,00	3,91(L)	Z' S41
q	-0,34 (-q4)	-0,34 (-q4)	0,31	2,30(L)	Z' S40

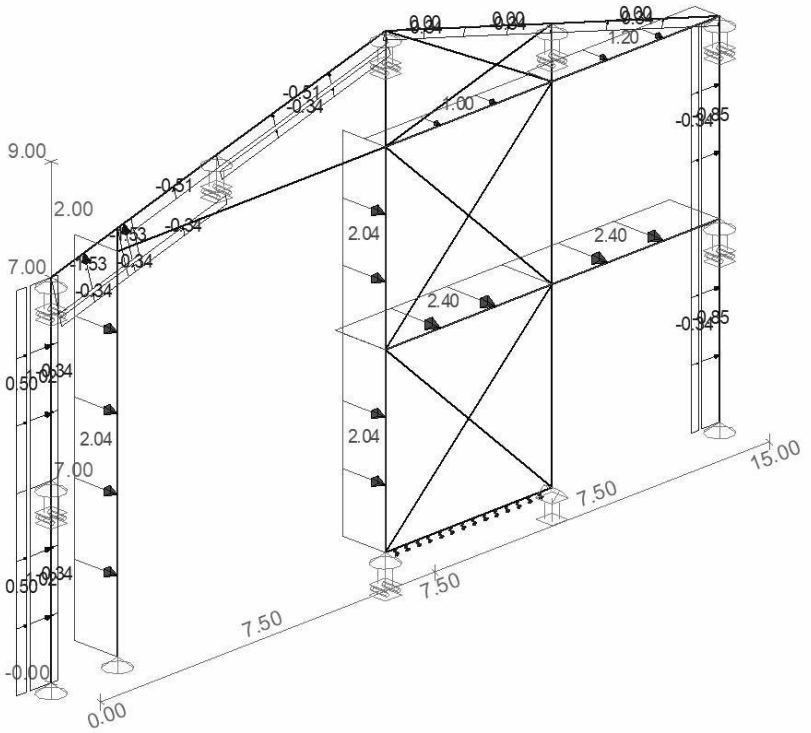
B.G.7: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE) (2E CORR. FACTOR)



B.G.7: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.7: Windbelasting van Links + Overdruk (2e Cpe) (2e corr. factor)					
q	-0,85 (q18)	-0,85 (q18)	0,00	3,50(L)	Z' S23-S24
q	0,34 (q14)	0,34 (q14)	0,00	1,55(L)	Z' S7
q	-0,34 (-q13)	-0,34 (-q13)	0,00	1,55(L)	Z' S7,S11,S23-S24,S38-S39,S41
q	0,00 (q16)	0,00 (q16)	0,00	1,86	Z' S10
q	-0,34 (-q13)	-0,34 (-q13)	0,00	1,86	Z' S10
q	0,00 (q17)	0,00 (q17)	1,86	3,88(L)	Z' S10
q	-0,34 (-q13)	-0,34 (-q13)	1,86	3,88(L)	Z' S10
q	0,00 (q17)	0,00 (q17)	0,00	3,88(L)	Z' S11
q	2,40	2,40	0,00	3,75(L)	Y S29-S30
q	1,20	1,20	0,00	3,75(L)	Y S13
q	1,00	1,00	0,00	3,75(L)	Y S14
q	2,04	2,04	0,00	3,50(L)	Y S19,S25-S26
q	1,02 (q12)	1,02 (q12)	0,00	3,50(L)	Z' S38-S39
q	0,50	0,50	0,00	3,50(L)	Z' S38-S39
q	0,34 (q14)	0,34 (q14)	0,00	0,31	Z' S40
q	-0,34 (-q13)	-0,34 (-q13)	0,00	0,31	Z' S40
q	0,34 (q15)	0,34 (q15)	0,31	2,30(L)	Z' S40
q	0,34 (q15)	0,34 (q15)	0,00	3,91(L)	Z' S41
q	-0,34 (-q13)	-0,34 (-q13)	0,31	2,30(L)	Z' S40

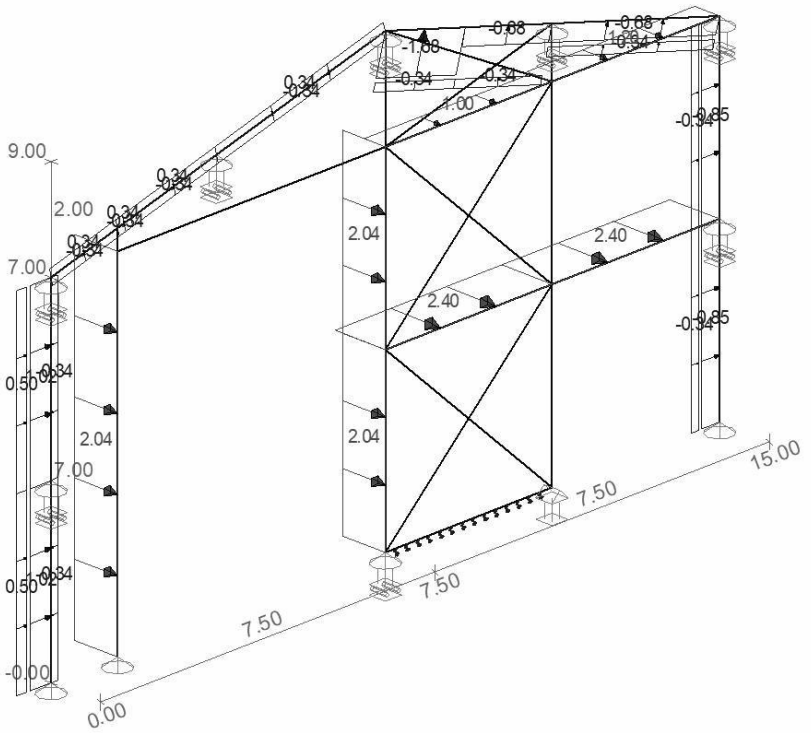
B.G.8: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE) (2E CORR. FACTOR)



B.G.8: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.8: Windbelasting van Links + Overdruk (Zadeldak FGH 1e Cpe + IJ 2e Cpe) (2e corr. factor)						
q	-0,85 (q9)	-0,85 (q9)	0,00	3,50(L)	Z'	S23-S24
q	-1,53 (q5)	-1,53 (q5)	0,00	1,55(L)	Z'	S7
q	-0,34 (-q4)	-0,34 (-q4)	0,00	1,55(L)	Z'	S7,S11,S23-S24,S38-S39,S41
q	0,00 (q16)	0,00 (q16)	0,00	1,86	Z'	S10
q	-0,34 (-q4)	-0,34 (-q4)	0,00	1,86	Z'	S10
q	0,00 (q17)	0,00 (q17)	1,86	3,88(L)	Z'	S10
q	-0,34 (-q4)	-0,34 (-q4)	1,86	3,88(L)	Z'	S10
q	0,00 (q17)	0,00 (q17)	0,00	3,88(L)	Z'	S11
q	2,40	2,40	0,00	3,75(L)	Y	S29-S30
q	1,20	1,20	0,00	3,75(L)	Y	S13
q	1,00	1,00	0,00	3,75(L)	Y	S14
q	2,04	2,04	0,00	3,50(L)	Y	S19,S25-S26
q	1,02 (q3)	1,02 (q3)	0,00	3,50(L)	Z'	S38-S39
q	0,50	0,50	0,00	3,50(L)	Z'	S38-S39
q	-1,53 (q5)	-1,53 (q5)	0,00	0,31	Z'	S40
q	-0,34 (-q4)	-0,34 (-q4)	0,00	0,31	Z'	S40
q	-0,51 (q6)	-0,51 (q6)	0,31	2,30(L)	Z'	S40
q	-0,51 (q6)	-0,51 (q6)	0,00	3,91(L)	Z'	S41
q	-0,34 (-q4)	-0,34 (-q4)	0,31	2,30(L)	Z'	S40

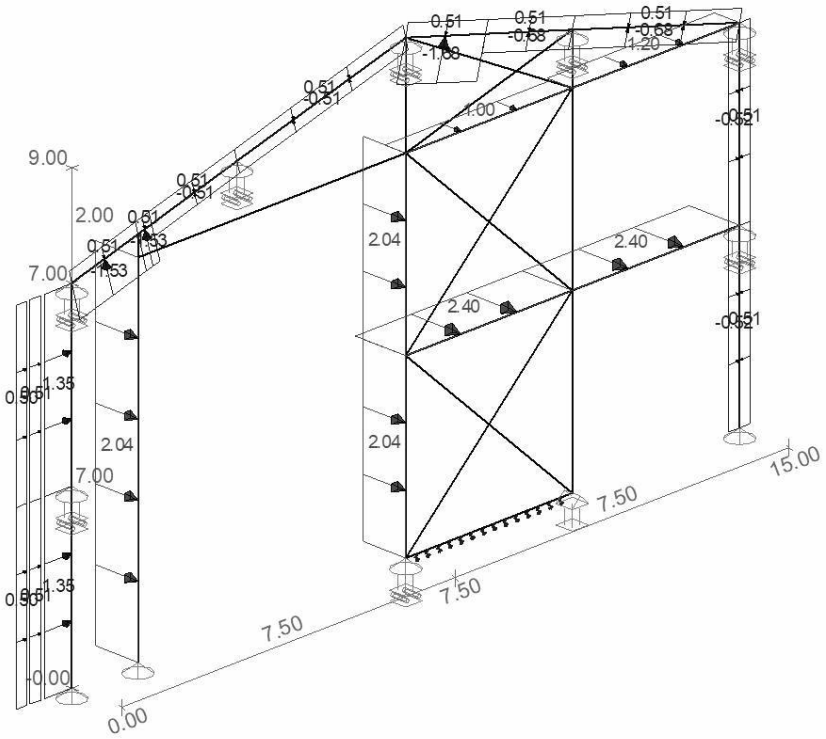
B.G.9: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE) (2E CORR. FACTOR)



B.G.9: WINDBELASTING VAN LINKS + OVERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.9: Windbelasting van Links + Overdruk (Zadeldak FGH 2e Cpe + IJ 1e Cpe) (2e corr. factor)					
q	-0,85 (q9)	-0,85 (q9)	0,00	3,50(L)	Z' S23-S24
q	0,34 (q14)	0,34 (q14)	0,00	1,55(L)	Z' S7
q	-0,34 (-q4)	-0,34 (-q4)	0,00	1,55(L)	Z' S7,S11,S23-S24,S38-S39,S41
q	-1,68 (q7)	-1,68 (q7)	0,00	1,86	Z' S10
q	-0,34 (-q4)	-0,34 (-q4)	0,00	1,86	Z' S10
q	-0,68 (q8)	-0,68 (q8)	1,86	3,88(L)	Z' S10
q	-0,34 (-q4)	-0,34 (-q4)	1,86	3,88(L)	Z' S10
q	-0,68 (q8)	-0,68 (q8)	0,00	3,88(L)	Z' S11
q	2,40	2,40	0,00	3,75(L)	Y S29-S30
q	1,20	1,20	0,00	3,75(L)	Y S13
q	1,00	1,00	0,00	3,75(L)	Y S14
q	2,04	2,04	0,00	3,50(L)	Y S19,S25-S26
q	1,02 (q3)	1,02 (q3)	0,00	3,50(L)	Z' S38-S39
q	0,50	0,50	0,00	3,50(L)	Z' S38-S39
q	0,34 (q14)	0,34 (q14)	0,00	0,31	Z' S40
q	-0,34 (-q4)	-0,34 (-q4)	0,00	0,31	Z' S40
q	0,34 (q15)	0,34 (q15)	0,31	2,30(L)	Z' S40
q	0,34 (q15)	0,34 (q15)	0,00	3,91(L)	Z' S41
q	-0,34 (-q4)	-0,34 (-q4)	0,31	2,30(L)	Z' S40

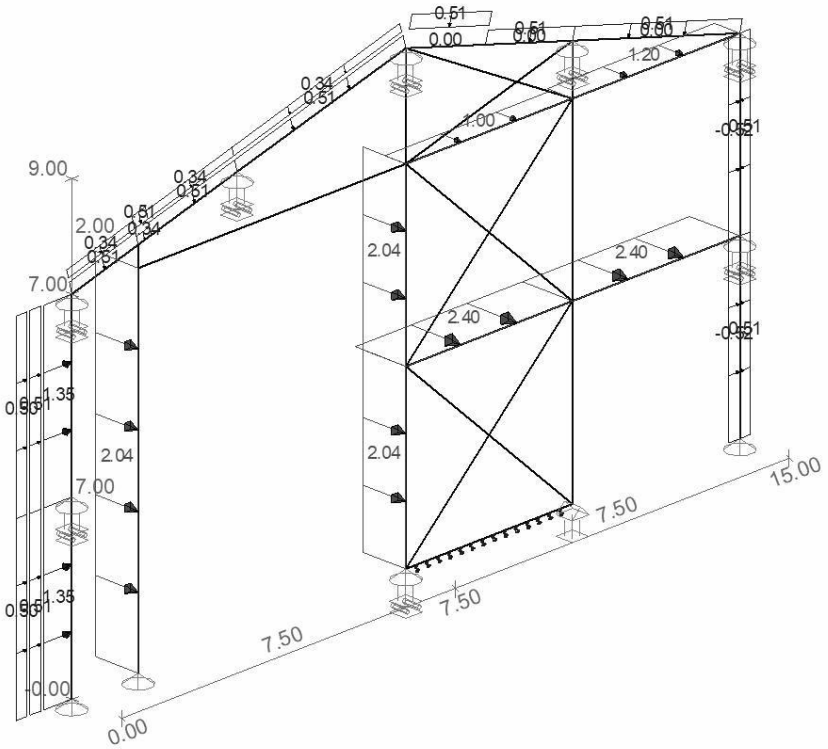
B.G.10: WINDBELASTING VAN LINKS + ONDERDRUK



B.G.10: WINDBELASTING VAN LINKS + ONDERDRUK

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.10: Windbelasting van Links + Onderdruk					
q	-1,53 (q23)	-1,53 (q23)	0,00	1,55(L)	Z' S7
q	0,51 (-q22)	0,51 (-q22)	0,00	1,55(L)	Z' S7,S11,S23-S24,S38-S39,S41
q	-1,68 (q25)	-1,68 (q25)	0,00	1,86	Z' S10
q	0,51 (-q22)	0,51 (-q22)	0,00	1,86	Z' S10
q	-0,68 (q26)	-0,68 (q26)	1,86	3,88(L)	Z' S10
q	0,51 (-q22)	0,51 (-q22)	1,86	3,88(L)	Z' S10
q	-0,68 (q26)	-0,68 (q26)	0,00	3,88(L)	Z' S11
q	-0,52 (q28)	-0,52 (q28)	0,00	3,50(L)	Z' S23-S24
q	2,40	2,40	0,00	3,75(L)	Y S29-S30
q	1,20	1,20	0,00	3,75(L)	Y S13
q	1,00	1,00	0,00	3,75(L)	Y S14
q	2,04	2,04	0,00	3,50(L)	Y S19,S25-S26
q	1,35 (q20)	1,35 (q20)	0,00	3,50(L)	Z' S38-S39
q	0,50	0,50	0,00	3,50(L)	Z' S38-S39
q	-1,53 (q23)	-1,53 (q23)	0,00	0,31	Z' S40
q	0,51 (-q22)	0,51 (-q22)	0,00	0,31	Z' S40
q	-0,51 (q24)	-0,51 (q24)	0,31	2,30(L)	Z' S40
q	-0,51 (q24)	-0,51 (q24)	0,00	3,91(L)	Z' S41
q	0,51 (-q22)	0,51 (-q22)	0,31	2,30(L)	Z' S40

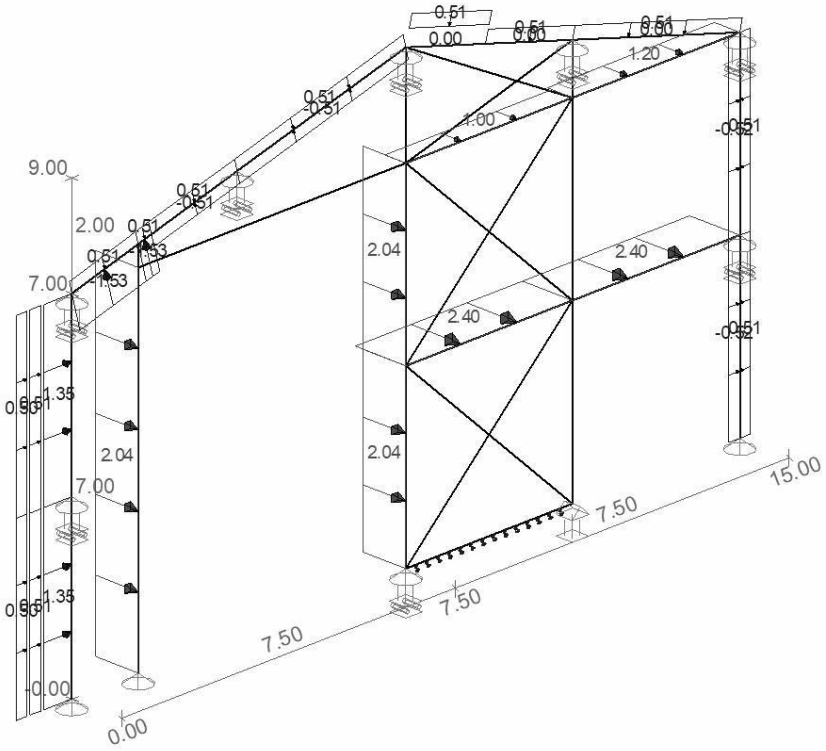
B.G.11: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE)



B.G.11: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.11: Windbelasting van Links + Onderdruk (2e Cpe)						
q	0,34 (q32)	0,34 (q32)	0,00	1,55(L)	Z'	S7
q	0,51 (-q31)	0,51 (-q31)	0,00	1,55(L)	Z'	S7,S11,S23-S24,S38-S39,S41
q	0,00 (q34)	0,00 (q34)	0,00	1,86	Z'	S10
q	0,51 (-q31)	0,51 (-q31)	0,00	1,86	Z'	S10
q	0,00 (q35)	0,00 (q35)	1,86	3,88(L)	Z'	S10
q	0,51 (-q31)	0,51 (-q31)	1,86	3,88(L)	Z'	S10
q	0,00 (q35)	0,00 (q35)	0,00	3,88(L)	Z'	S11
q	-0,52 (q37)	-0,52 (q37)	0,00	3,50(L)	Z'	S23-S24
q	2,40	2,40	0,00	3,75(L)	Y	S29-S30
q	1,20	1,20	0,00	3,75(L)	Y	S13
q	1,00	1,00	0,00	3,75(L)	Y	S14
q	2,04	2,04	0,00	3,50(L)	Y	S19,S25-S26
q	1,35 (q29)	1,35 (q29)	0,00	3,50(L)	Z'	S38-S39
q	0,50	0,50	0,00	3,50(L)	Z'	S38-S39
q	0,34 (q32)	0,34 (q32)	0,00	0,31	Z'	S40
q	0,51 (-q31)	0,51 (-q31)	0,00	0,31	Z'	S40
q	0,34 (q33)	0,34 (q33)	0,31	2,30(L)	Z'	S40
q	0,34 (q33)	0,34 (q33)	0,00	3,91(L)	Z'	S41
q	0,51 (-q31)	0,51 (-q31)	0,31	2,30(L)	Z'	S40

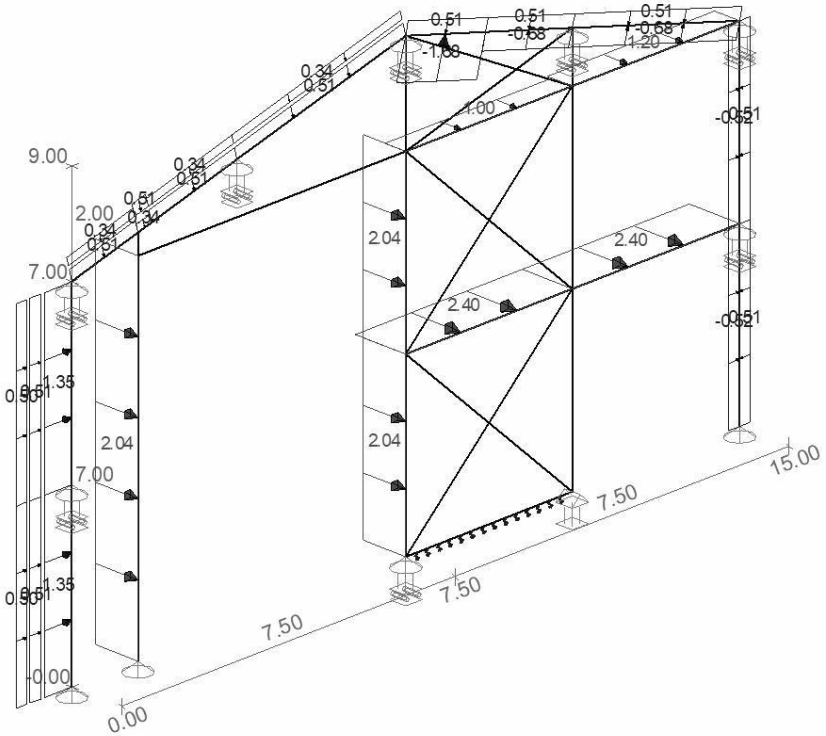
B.G.12: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE)



B.G.12: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.12: Windbelasting van Links + Onderdruk (Zadeldak FGH 1e Cpe + IJ 2e Cpe)						
q	-1,53 (q23)	-1,53 (q23)	0,00	1,55(L)	Z'	S7
q	0,51 (-q22)	0,51 (-q22)	0,00	1,55(L)	Z'	S7,S11,S23-S24,S38-S39,S41
q	0,00 (q34)	0,00 (q34)	0,00	1,86	Z'	S10
q	0,51 (-q22)	0,51 (-q22)	0,00	1,86	Z'	S10
q	0,00 (q35)	0,00 (q35)	1,86	3,88(L)	Z'	S10
q	0,51 (-q22)	0,51 (-q22)	1,86	3,88(L)	Z'	S10
q	0,00 (q35)	0,00 (q35)	0,00	3,88(L)	Z'	S11
q	-0,52 (q28)	-0,52 (q28)	0,00	3,50(L)	Z'	S23-S24
q	2,40	2,40	0,00	3,75(L)	Y	S29-S30
q	1,20	1,20	0,00	3,75(L)	Y	S13
q	1,00	1,00	0,00	3,75(L)	Y	S14
q	2,04	2,04	0,00	3,50(L)	Y	S19,S25-S26
q	1,35 (q20)	1,35 (q20)	0,00	3,50(L)	Z'	S38-S39
q	0,50	0,50	0,00	3,50(L)	Z'	S38-S39
q	-1,53 (q23)	-1,53 (q23)	0,00	0,31	Z'	S40
q	0,51 (-q22)	0,51 (-q22)	0,00	0,31	Z'	S40
q	-0,51 (q24)	-0,51 (q24)	0,31	2,30(L)	Z'	S40
q	-0,51 (q24)	-0,51 (q24)	0,00	3,91(L)	Z'	S41
q	0,51 (-q22)	0,51 (-q22)	0,31	2,30(L)	Z'	S40

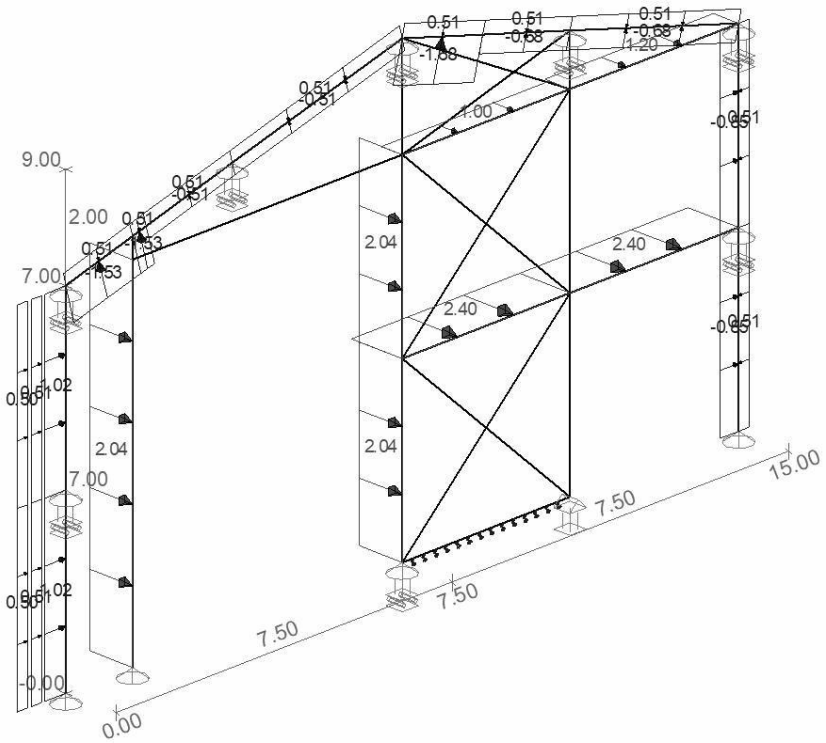
B.G.13: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE)



B.G.13: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.13: Windbelasting van Links + Onderdruk (Zadeldak FGH 2e Cpe + IJ 1e Cpe)						
q	0,34 (q32)	0,34 (q32)	0,00	1,55(L)	Z'	S7
q	0,51 (-q22)	0,51 (-q22)	0,00	1,55(L)	Z'	S7,S11,S23-S24,S38-S39,S41
q	-1,68 (q25)	-1,68 (q25)	0,00	1,86	Z'	S10
q	0,51 (-q22)	0,51 (-q22)	0,00	1,86	Z'	S10
q	-0,68 (q26)	-0,68 (q26)	1,86	3,88(L)	Z'	S10
q	0,51 (-q22)	0,51 (-q22)	1,86	3,88(L)	Z'	S10
q	-0,68 (q26)	-0,68 (q26)	0,00	3,88(L)	Z'	S11
q	-0,52 (q28)	-0,52 (q28)	0,00	3,50(L)	Z'	S23-S24
q	2,40	2,40	0,00	3,75(L)	Y	S29-S30
q	1,20	1,20	0,00	3,75(L)	Y	S13
q	1,00	1,00	0,00	3,75(L)	Y	S14
q	2,04	2,04	0,00	3,50(L)	Y	S19,S25-S26
q	1,35 (q20)	1,35 (q20)	0,00	3,50(L)	Z'	S38-S39
q	0,50	0,50	0,00	3,50(L)	Z'	S38-S39
q	0,34 (q32)	0,34 (q32)	0,00	0,31	Z'	S40
q	0,51 (-q22)	0,51 (-q22)	0,00	0,31	Z'	S40
q	0,34 (q33)	0,34 (q33)	0,31	2,30(L)	Z'	S40
q	0,34 (q33)	0,34 (q33)	0,00	3,91(L)	Z'	S41
q	0,51 (-q22)	0,51 (-q22)	0,31	2,30(L)	Z'	S40

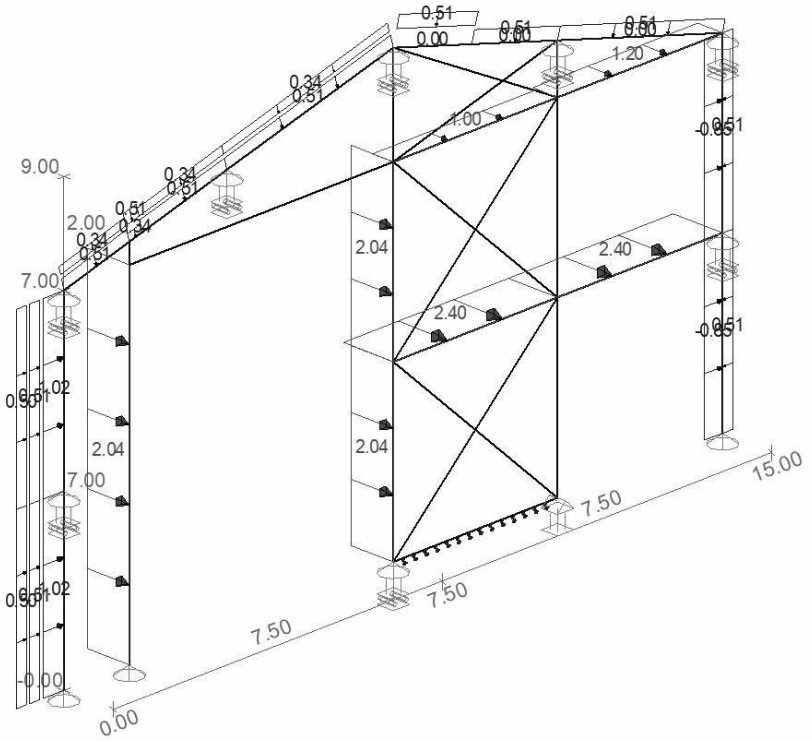
B.G.14: WINDBELASTING VAN LINKS + ONDERDRUK (2E CORR. FACTOR)



B.G.14: WINDBELASTING VAN LINKS + ONDERDRUK (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.14: Windbelasting van Links + Onderdruk (2e corr. factor)						
q	-0,85 (q27)	-0,85 (q27)	0,00	3,50(L)	Z'	S23-S24
q	-1,53 (q23)	-1,53 (q23)	0,00	1,55(L)	Z'	S7
q	0,51 (-q22)	0,51 (-q22)	0,00	1,55(L)	Z'	S7,S11,S23-S24,S38-S39,S41
q	-1,68 (q25)	-1,68 (q25)	0,00	1,86	Z'	S10
q	0,51 (-q22)	0,51 (-q22)	0,00	1,86	Z'	S10
q	-0,68 (q26)	-0,68 (q26)	1,86	3,88(L)	Z'	S10
q	0,51 (-q22)	0,51 (-q22)	1,86	3,88(L)	Z'	S10
q	-0,68 (q26)	-0,68 (q26)	0,00	3,88(L)	Z'	S11
q	2,40	2,40	0,00	3,75(L)	Y	S29-S30
q	1,20	1,20	0,00	3,75(L)	Y	S13
q	1,00	1,00	0,00	3,75(L)	Y	S14
q	2,04	2,04	0,00	3,50(L)	Y	S19,S25-S26
q	1,02 (q21)	1,02 (q21)	0,00	3,50(L)	Z'	S38-S39
q	0,50	0,50	0,00	3,50(L)	Z'	S38-S39
q	-1,53 (q23)	-1,53 (q23)	0,00	0,31	Z'	S40
q	0,51 (-q22)	0,51 (-q22)	0,00	0,31	Z'	S40
q	-0,51 (q24)	-0,51 (q24)	0,31	2,30(L)	Z'	S40
q	-0,51 (q24)	-0,51 (q24)	0,00	3,91(L)	Z'	S41
q	0,51 (-q22)	0,51 (-q22)	0,31	2,30(L)	Z'	S40

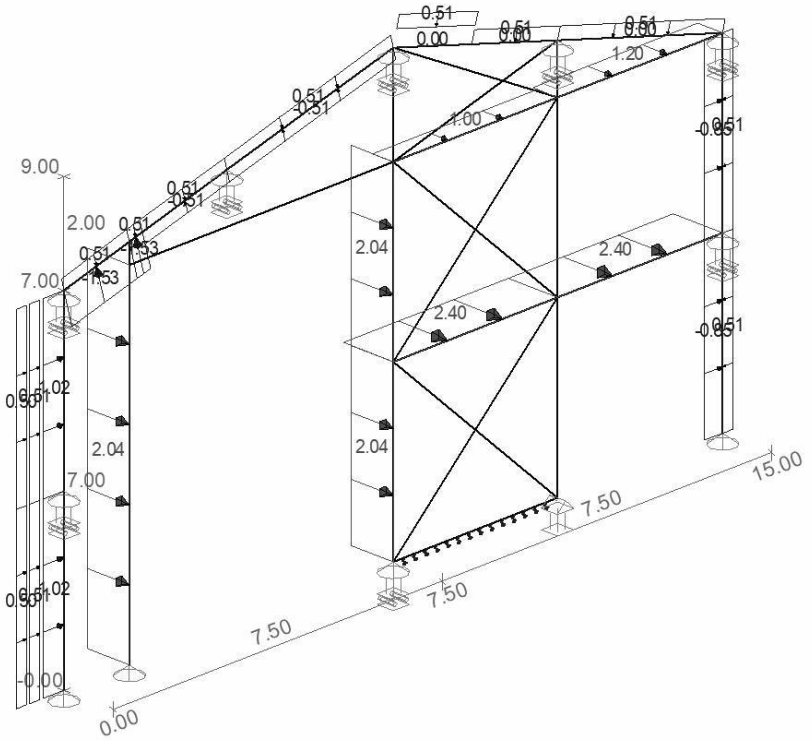
B.G.15: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE) (2E CORR. FACTOR)



B.G.15: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.15: Windbelasting van Links + Onderdruk (2e Cpe) (2e corr. factor)						
q	-0,85 (q36)	-0,85 (q36)	0,00	3,50(L)	Z'	S23-S24
q	0,34 (q32)	0,34 (q32)	0,00	1,55(L)	Z'	S7
q	0,51 (-q31)	0,51 (-q31)	0,00	1,55(L)	Z'	S7,S11,S23-S24,S38-S39,S41
q	0,00 (q34)	0,00 (q34)	0,00	1,86	Z'	S10
q	0,51 (-q31)	0,51 (-q31)	0,00	1,86	Z'	S10
q	0,00 (q35)	0,00 (q35)	1,86	3,88(L)	Z'	S10
q	0,51 (-q31)	0,51 (-q31)	1,86	3,88(L)	Z'	S10
q	0,00 (q35)	0,00 (q35)	0,00	3,88(L)	Z'	S11
q	2,40	2,40	0,00	3,75(L)	Y	S29-S30
q	1,20	1,20	0,00	3,75(L)	Y	S13
q	1,00	1,00	0,00	3,75(L)	Y	S14
q	2,04	2,04	0,00	3,50(L)	Y	S19,S25-S26
q	1,02 (q30)	1,02 (q30)	0,00	3,50(L)	Z'	S38-S39
q	0,50	0,50	0,00	3,50(L)	Z'	S38-S39
q	0,34 (q32)	0,34 (q32)	0,00	0,31	Z'	S40
q	0,51 (-q31)	0,51 (-q31)	0,00	0,31	Z'	S40
q	0,34 (q33)	0,34 (q33)	0,31	2,30(L)	Z'	S40
q	0,34 (q33)	0,34 (q33)	0,00	3,91(L)	Z'	S41
q	0,51 (-q31)	0,51 (-q31)	0,31	2,30(L)	Z'	S40

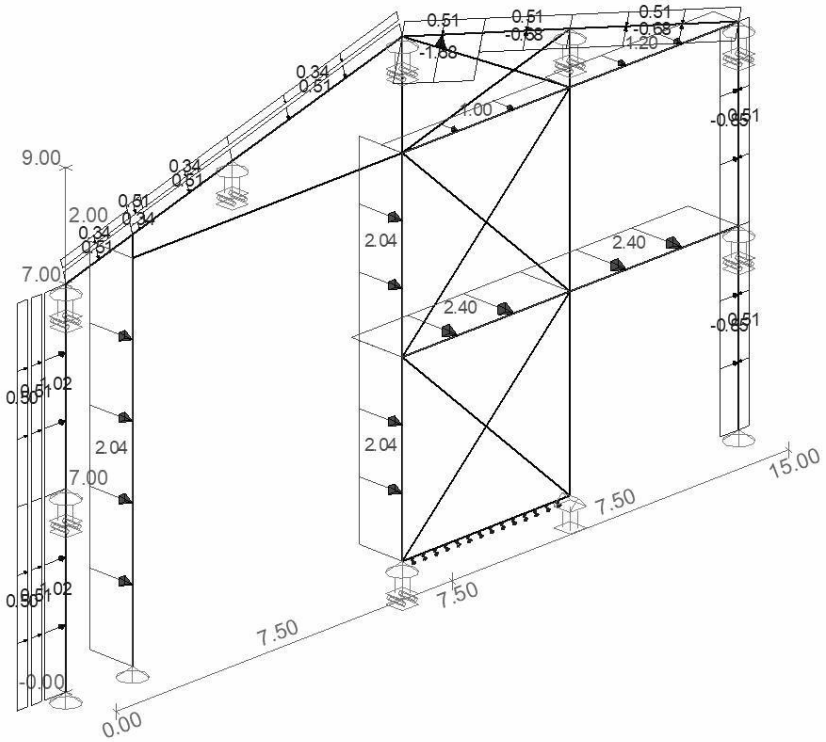
B.G.16: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE) (2E CORR. FACTOR)



B.G.16: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.16: Windbelasting van Links + Onderdruk (Zadeldak FGH 1e Cpe + IJ 2e Cpe) (2e corr. factor)					
q	-0,85 (q27)	-0,85 (q27)	0,00	3,50(L)	Z' S23-S24
q	-1,53 (q23)	-1,53 (q23)	0,00	1,55(L)	Z' S7
q	0,51 (-q22)	0,51 (-q22)	0,00	1,55(L)	Z' S7,S11,S23-S24,S38-S39,S41
q	0,00 (q34)	0,00 (q34)	0,00	1,86	Z' S10
q	0,51 (-q22)	0,51 (-q22)	0,00	1,86	Z' S10
q	0,00 (q35)	0,00 (q35)	1,86	3,88(L)	Z' S10
q	0,51 (-q22)	0,51 (-q22)	1,86	3,88(L)	Z' S10
q	0,00 (q35)	0,00 (q35)	0,00	3,88(L)	Z' S11
q	2,40	2,40	0,00	3,75(L)	Y S29-S30
q	1,20	1,20	0,00	3,75(L)	Y S13
q	1,00	1,00	0,00	3,75(L)	Y S14
q	2,04	2,04	0,00	3,50(L)	Y S19,S25-S26
q	1,02 (q21)	1,02 (q21)	0,00	3,50(L)	Z' S38-S39
q	0,50	0,50	0,00	3,50(L)	Z' S38-S39
q	-1,53 (q23)	-1,53 (q23)	0,00	0,31	Z' S40
q	0,51 (-q22)	0,51 (-q22)	0,00	0,31	Z' S40
q	-0,51 (q24)	-0,51 (q24)	0,31	2,30(L)	Z' S40
q	-0,51 (q24)	-0,51 (q24)	0,00	3,91(L)	Z' S41
q	0,51 (-q22)	0,51 (-q22)	0,31	2,30(L)	Z' S40

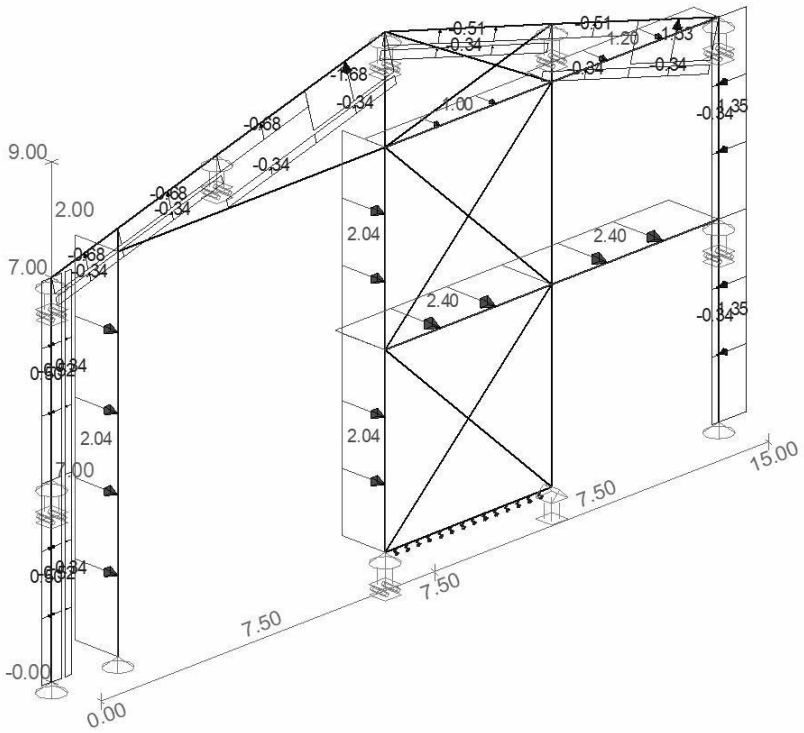
B.G.17: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE) (2E CORR. FACTOR)



B.G.17: WINDBELASTING VAN LINKS + ONDERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.17: Windbelasting van Links + Onderdruk (Zadeldak FGH 2e Cpe + IJ 1e Cpe) (2e corr. factor)						
q	-0,85 (q27)	-0,85 (q27)	0,00	3,50(L)	Z'	S23-S24
q	0,34 (q32)	0,34 (q32)	0,00	1,55(L)	Z'	S7
q	0,51 (-q22)	0,51 (-q22)	0,00	1,55(L)	Z'	S7,S11,S23-S24,S38-S39,S41
q	-1,68 (q25)	-1,68 (q25)	0,00	1,86	Z'	S10
q	0,51 (-q22)	0,51 (-q22)	0,00	1,86	Z'	S10
q	-0,68 (q26)	-0,68 (q26)	1,86	3,88(L)	Z'	S10
q	0,51 (-q22)	0,51 (-q22)	1,86	3,88(L)	Z'	S10
q	-0,68 (q26)	-0,68 (q26)	0,00	3,88(L)	Z'	S11
q	2,40	2,40	0,00	3,75(L)	Y	S29-S30
q	1,20	1,20	0,00	3,75(L)	Y	S13
q	1,00	1,00	0,00	3,75(L)	Y	S14
q	2,04	2,04	0,00	3,50(L)	Y	S19,S25-S26
q	1,02 (q21)	1,02 (q21)	0,00	3,50(L)	Z'	S38-S39
q	0,50	0,50	0,00	3,50(L)	Z'	S38-S39
q	0,34 (q32)	0,34 (q32)	0,00	0,31	Z'	S40
q	0,51 (-q22)	0,51 (-q22)	0,00	0,31	Z'	S40
q	0,34 (q33)	0,34 (q33)	0,31	2,30(L)	Z'	S40
q	0,34 (q33)	0,34 (q33)	0,00	3,91(L)	Z'	S41
q	0,51 (-q22)	0,51 (-q22)	0,31	2,30(L)	Z'	S40

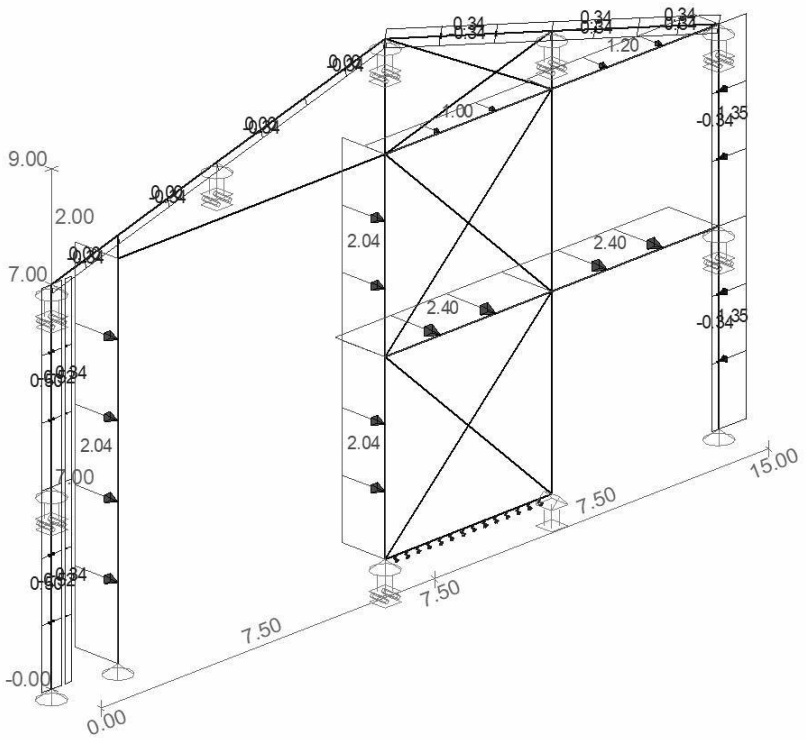
B.G.18: WINDBELASTING VAN RECHTS + OVERDRUK



B.G.18: WINDBELASTING VAN RECHTS + OVERDRUK

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.18: Windbelasting van Rechts + Overdruk					
q	-0,68 (q42)	-0,68 (q42)	0,00	1,55(L)	Z' S7,S40
q	-0,34 (-q41)	-0,34 (-q41)	0,00	1,55(L)	Z' S7,S10,S23-S24,S38-S40
q	-0,51 (q44)	-0,51 (q44)	0,00	3,88(L)	Z' S10
q	-1,53 (q45)	-1,53 (q45)	2,02	3,88(L)	Z' S11
q	-0,34 (-q41)	-0,34 (-q41)	2,02	3,88(L)	Z' S11
q	-0,51 (q44)	-0,51 (q44)	0,00	2,02	Z' S11
q	-0,34 (-q41)	-0,34 (-q41)	0,00	2,02	Z' S11
q	1,35 (q46)	1,35 (q46)	0,00	3,50(L)	Z' S23-S24
q	2,40	2,40	0,00	3,75(L)	Y S29-S30
q	1,20	1,20	0,00	3,75(L)	Y S13
q	1,00	1,00	0,00	3,75(L)	Y S14
q	2,04	2,04	0,00	3,50(L)	Y S19,S25-S26
q	-0,52 (q39)	-0,52 (q39)	0,00	3,50(L)	Z' S38-S39
q	0,50	0,50	0,00	3,50(L)	Z' S38-S39
q	-1,68 (q43)	-1,68 (q43)	2,05	3,91	Z' S41
q	-0,34 (-q41)	-0,34 (-q41)	2,05	3,91	Z' S41
q	-0,68 (q42)	-0,68 (q42)	0,00	2,05	Z' S41
q	-0,34 (-q41)	-0,34 (-q41)	0,00	2,05	Z' S41

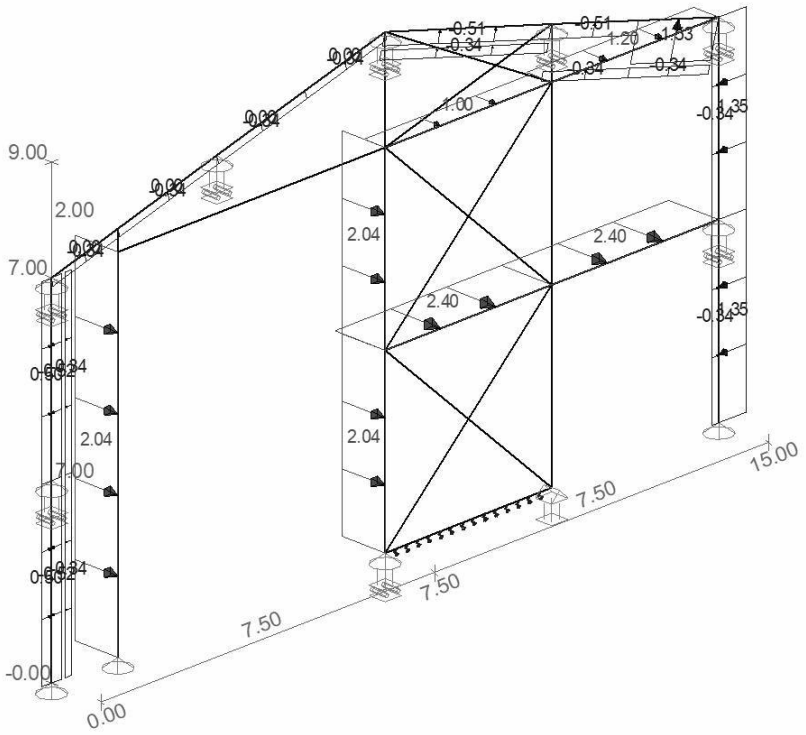
B.G.19: WINDBELASTING VAN RECHTS + OVERDRUK (2E CPE)



B.G.19: WINDBELASTING VAN RECHTS + OVERDRUK (2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.19: Windbelasting van Rechts + Overdruk (2e Cpe)					
q	0,00 (q51)	0,00 (q51)	0,00	1,55(L)	Z' S7,S40
q	-0,34 (-q50)	-0,34 (-q50)	0,00	1,55(L)	Z' S7,S10,S23-S24,S38-S40
q	0,34 (q53)	0,34 (q53)	0,00	3,88(L)	Z' S10
q	0,34 (q54)	0,34 (q54)	2,02	3,88(L)	Z' S11
q	-0,34 (-q50)	-0,34 (-q50)	2,02	3,88(L)	Z' S11
q	0,34 (q53)	0,34 (q53)	0,00	2,02	Z' S11
q	-0,34 (-q50)	-0,34 (-q50)	0,00	2,02	Z' S11
q	1,35 (q55)	1,35 (q55)	0,00	3,50(L)	Z' S23-S24
q	2,40	2,40	0,00	3,75(L)	Y S29-S30
q	1,20	1,20	0,00	3,75(L)	Y S13
q	1,00	1,00	0,00	3,75(L)	Y S14
q	2,04	2,04	0,00	3,50(L)	Y S19,S25-S26
q	-0,52 (q48)	-0,52 (q48)	0,00	3,50(L)	Z' S38-S39
q	0,50	0,50	0,00	3,50(L)	Z' S38-S39
q	0,00 (q52)	0,00 (q52)	2,05	3,91	Z' S41
q	-0,34 (-q50)	-0,34 (-q50)	2,05	3,91	Z' S41
q	0,00 (q51)	0,00 (q51)	0,00	2,05	Z' S41
q	-0,34 (-q50)	-0,34 (-q50)	0,00	2,05	Z' S41

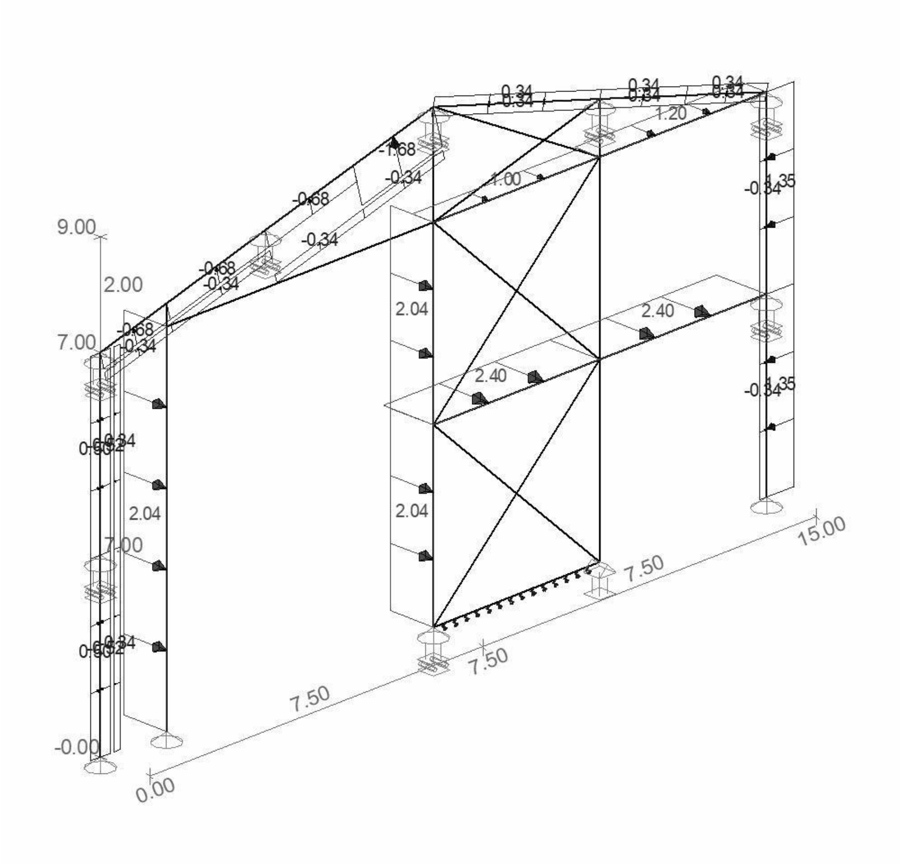
B.G.20: WINDBELASTING VAN RECHTS + OVERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE)



B.G.20: WINDBELASTING VAN RECHTS + OVERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.20: Windbelasting van Rechts + Overdruk (Zadeldak FGH 1e Cpe + IJ 2e Cpe)						
q	0,00 (q51)	0,00 (q51)	0,00	1,55(L)		Z' S7,S40
q	-0,34 (-q41)	-0,34 (-q41)	0,00	1,55(L)		Z' S7,S10,S23-S24,S38-S40
q	-0,51 (q44)	-0,51 (q44)	0,00	3,88(L)		Z' S10
q	-1,53 (q45)	-1,53 (q45)	2,02	3,88(L)		Z' S11
q	-0,34 (-q41)	-0,34 (-q41)	2,02	3,88(L)		Z' S11
q	-0,51 (q44)	-0,51 (q44)	0,00	2,02		Z' S11
q	-0,34 (-q41)	-0,34 (-q41)	0,00	2,02		Z' S11
q	1,35 (q46)	1,35 (q46)	0,00	3,50(L)		Z' S23-S24
q	2,40	2,40	0,00	3,75(L)		Y S29-S30
q	1,20	1,20	0,00	3,75(L)		Y S13
q	1,00	1,00	0,00	3,75(L)		Y S14
q	2,04	2,04	0,00	3,50(L)		Y S19,S25-S26
q	-0,52 (q39)	-0,52 (q39)	0,00	3,50(L)		Z' S38-S39
q	0,50	0,50	0,00	3,50(L)		Z' S38-S39
q	0,00 (q52)	0,00 (q52)	2,05	3,91		Z' S41
q	-0,34 (-q41)	-0,34 (-q41)	2,05	3,91		Z' S41
q	0,00 (q51)	0,00 (q51)	0,00	2,05		Z' S41
q	-0,34 (-q41)	-0,34 (-q41)	0,00	2,05		Z' S41

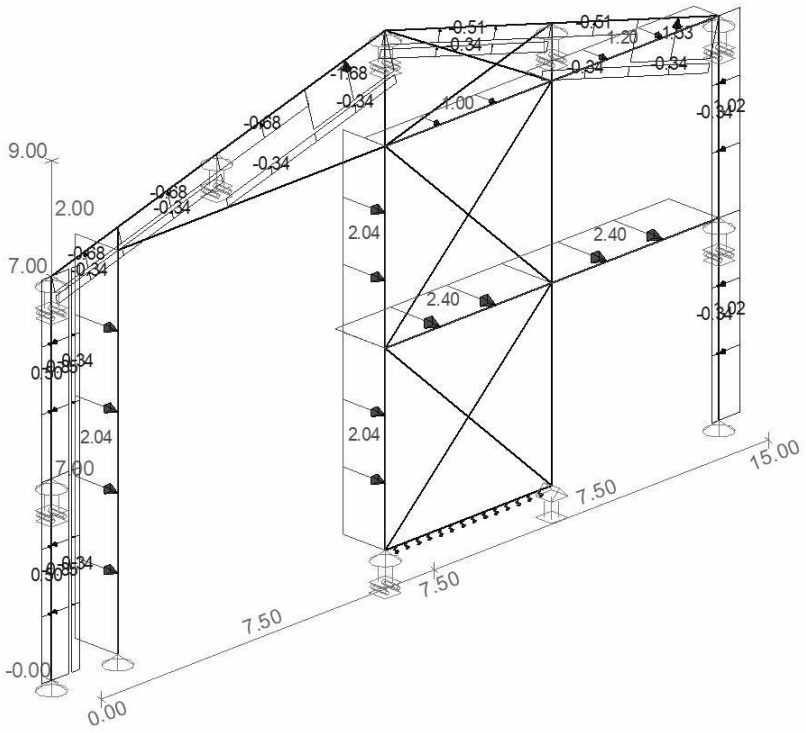
B.G.21: WINDBELASTING VAN RECHTS + OVERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE)



B.G.21: WINDBELASTING VAN RECHTS + OVERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.21: Windbelasting van Rechts + Overdruk (Zadeldak FGH 2e Cpe + IJ 1e Cpe)						
q	-0,68 (q42)	-0,68 (q42)	0,00	1,55(L)	Z'	S7,S40
q	-0,34 (-q41)	-0,34 (-q41)	0,00	1,55(L)	Z'	S7,S10,S23-S24,S38-S40
q	0,34 (q53)	0,34 (q53)	0,00	3,88(L)	Z'	S10
q	0,34 (q54)	0,34 (q54)	2,02	3,88(L)	Z'	S11
q	-0,34 (-q41)	-0,34 (-q41)	2,02	3,88(L)	Z'	S11
q	0,34 (q53)	0,34 (q53)	0,00	2,02	Z'	S11
q	-0,34 (-q41)	-0,34 (-q41)	0,00	2,02	Z'	S11
q	1,35 (q46)	1,35 (q46)	0,00	3,50(L)	Z'	S23-S24
q	2,40	2,40	0,00	3,75(L)	Y	S29-S30
q	1,20	1,20	0,00	3,75(L)	Y	S13
q	1,00	1,00	0,00	3,75(L)	Y	S14
q	2,04	2,04	0,00	3,50(L)	Y	S19,S25-S26
q	-0,52 (q39)	-0,52 (q39)	0,00	3,50(L)	Z'	S38-S39
q	0,50	0,50	0,00	3,50(L)	Z'	S38-S39
q	-1,68 (q43)	-1,68 (q43)	2,05	3,91	Z'	S41
q	-0,34 (-q41)	-0,34 (-q41)	2,05	3,91	Z'	S41
q	-0,68 (q42)	-0,68 (q42)	0,00	2,05	Z'	S41
q	-0,34 (-q41)	-0,34 (-q41)	0,00	2,05	Z'	S41

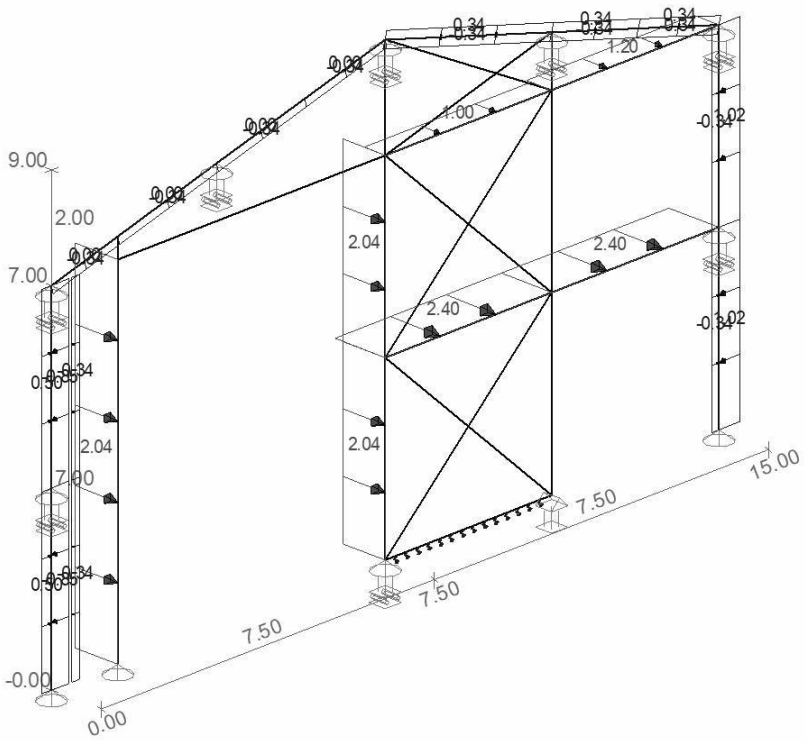
B.G.22: WINDBELASTING VAN RECHTS + OVERDRUK (2E CORR. FACTOR)



B.G.22: WINDBELASTING VAN RECHTS + OVERDRUK (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.22: Windbelasting van Rechts + Overdruk (2e corr. factor)					
q	1,02 (q40)	1,02 (q40)	0,00	3,50(L)	Z' S23-S24
q	-0,68 (q42)	-0,68 (q42)	0,00	1,55(L)	Z' S7,S40
q	-0,34 (-q41)	-0,34 (-q41)	0,00	1,55(L)	Z' S7,S10,S23-S24,S38-S40
q	-0,51 (q44)	-0,51 (q44)	0,00	3,88(L)	Z' S10
q	-1,53 (q45)	-1,53 (q45)	2,02	3,88(L)	Z' S11
q	-0,34 (-q41)	-0,34 (-q41)	2,02	3,88(L)	Z' S11
q	-0,51 (q44)	-0,51 (q44)	0,00	2,02	Z' S11
q	-0,34 (-q41)	-0,34 (-q41)	0,00	2,02	Z' S11
q	2,40	2,40	0,00	3,75(L)	Y S29-S30
q	1,20	1,20	0,00	3,75(L)	Y S13
q	1,00	1,00	0,00	3,75(L)	Y S14
q	2,04	2,04	0,00	3,50(L)	Y S19,S25-S26
q	-0,85 (q38)	-0,85 (q38)	0,00	3,50(L)	Z' S38-S39
q	0,50	0,50	0,00	3,50(L)	Z' S38-S39
q	-1,68 (q43)	-1,68 (q43)	2,05	3,91	Z' S41
q	-0,34 (-q41)	-0,34 (-q41)	2,05	3,91	Z' S41
q	-0,68 (q42)	-0,68 (q42)	0,00	2,05	Z' S41
q	-0,34 (-q41)	-0,34 (-q41)	0,00	2,05	Z' S41

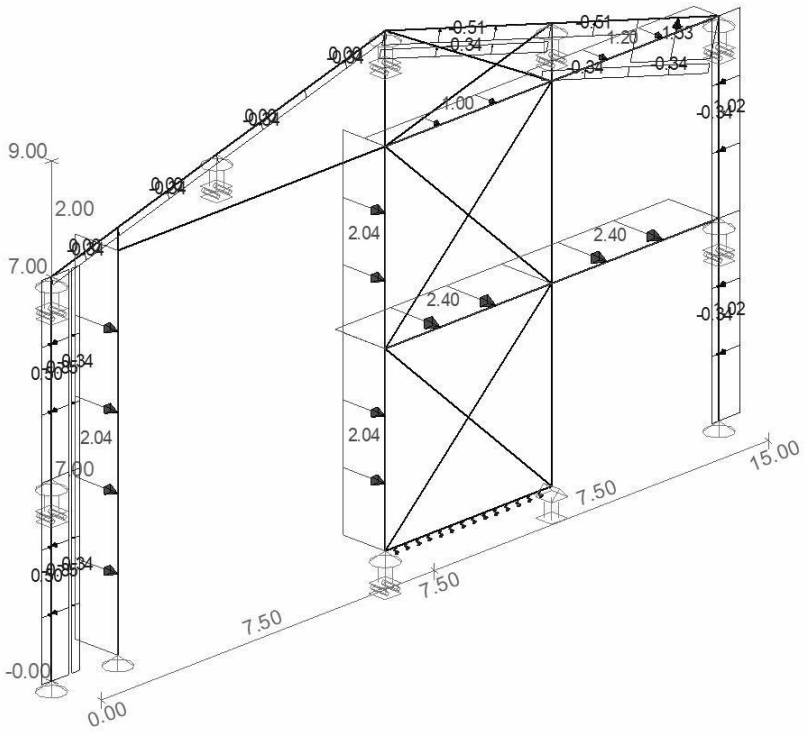
B.G.23: WINDBELASTING VAN RECHTS + OVERDRUK (2E CPE) (2E CORR. FACTOR)



B.G.23: WINDBELASTING VAN RECHTS + OVERDRUK (2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.23: Windbelasting van Rechts + Overdruk (2e Cpe) (2e corr. factor)						
q	1,02 (q49)	1,02 (q49)	0,00	3,50(L)		Z' S23-S24
q	0,00 (q51)	0,00 (q51)	0,00	1,55(L)		Z' S7,S40
q	-0,34 (-q50)	-0,34 (-q50)	0,00	1,55(L)		Z' S7,S10,S23-S24,S38-S40
q	0,34 (q53)	0,34 (q53)	0,00	3,88(L)		Z' S10
q	0,34 (q54)	0,34 (q54)	2,02	3,88(L)		Z' S11
q	-0,34 (-q50)	-0,34 (-q50)	2,02	3,88(L)		Z' S11
q	0,34 (q53)	0,34 (q53)	0,00	2,02		Z' S11
q	-0,34 (-q50)	-0,34 (-q50)	0,00	2,02		Z' S11
q	2,40	2,40	0,00	3,75(L)		Y S29-S30
q	1,20	1,20	0,00	3,75(L)		Y S13
q	1,00	1,00	0,00	3,75(L)		Y S14
q	2,04	2,04	0,00	3,50(L)		Y S19,S25-S26
q	-0,85 (q47)	-0,85 (q47)	0,00	3,50(L)		Z' S38-S39
q	0,50	0,50	0,00	3,50(L)		Z' S38-S39
q	0,00 (q52)	0,00 (q52)	2,05	3,91		Z' S41
q	-0,34 (-q50)	-0,34 (-q50)	2,05	3,91		Z' S41
q	0,00 (q51)	0,00 (q51)	0,00	2,05		Z' S41
q	-0,34 (-q50)	-0,34 (-q50)	0,00	2,05		Z' S41

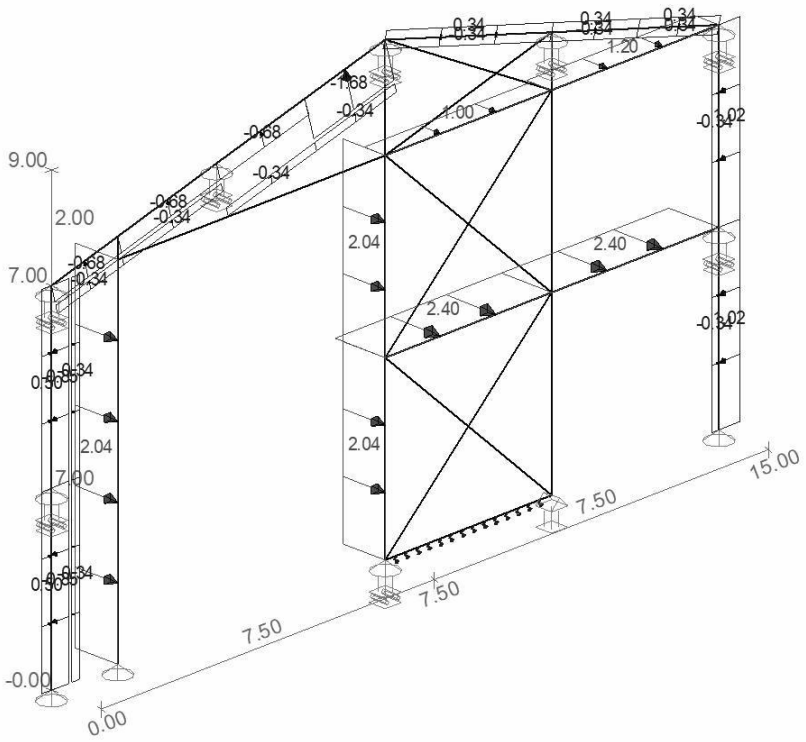
B.G.24: WINDBELASTING VAN RECHTS + OVERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE) (2E CORR. FACTOR)



B.G.24: WINDBELASTING VAN RECHTS + OVERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.24: Windbelasting van Rechts + Overdruk (Zadeldak FGH 1e Cpe + IJ 2e Cpe) (2e corr. factor)						
q	1,02 (q40)	1,02 (q40)	0,00	3,50(L)	Z'	S23-S24
q	0,00 (q51)	0,00 (q51)	0,00	1,55(L)	Z'	S7,S40
q	-0,34 (-q41)	-0,34 (-q41)	0,00	1,55(L)	Z'	S7,S10,S23-S24,S38-S40
q	-0,51 (q44)	-0,51 (q44)	0,00	3,88(L)	Z'	S10
q	-1,53 (q45)	-1,53 (q45)	2,02	3,88(L)	Z'	S11
q	-0,34 (-q41)	-0,34 (-q41)	2,02	3,88(L)	Z'	S11
q	-0,51 (q44)	-0,51 (q44)	0,00	2,02	Z'	S11
q	-0,34 (-q41)	-0,34 (-q41)	0,00	2,02	Z'	S11
q	2,40	2,40	0,00	3,75(L)	Y	S29-S30
q	1,20	1,20	0,00	3,75(L)	Y	S13
q	1,00	1,00	0,00	3,75(L)	Y	S14
q	2,04	2,04	0,00	3,50(L)	Y	S19,S25-S26
q	-0,85 (q38)	-0,85 (q38)	0,00	3,50(L)	Z'	S38-S39
q	0,50	0,50	0,00	3,50(L)	Z'	S38-S39
q	0,00 (q52)	0,00 (q52)	2,05	3,91	Z'	S41
q	-0,34 (-q41)	-0,34 (-q41)	2,05	3,91	Z'	S41
q	0,00 (q51)	0,00 (q51)	0,00	2,05	Z'	S41
q	-0,34 (-q41)	-0,34 (-q41)	0,00	2,05	Z'	S41

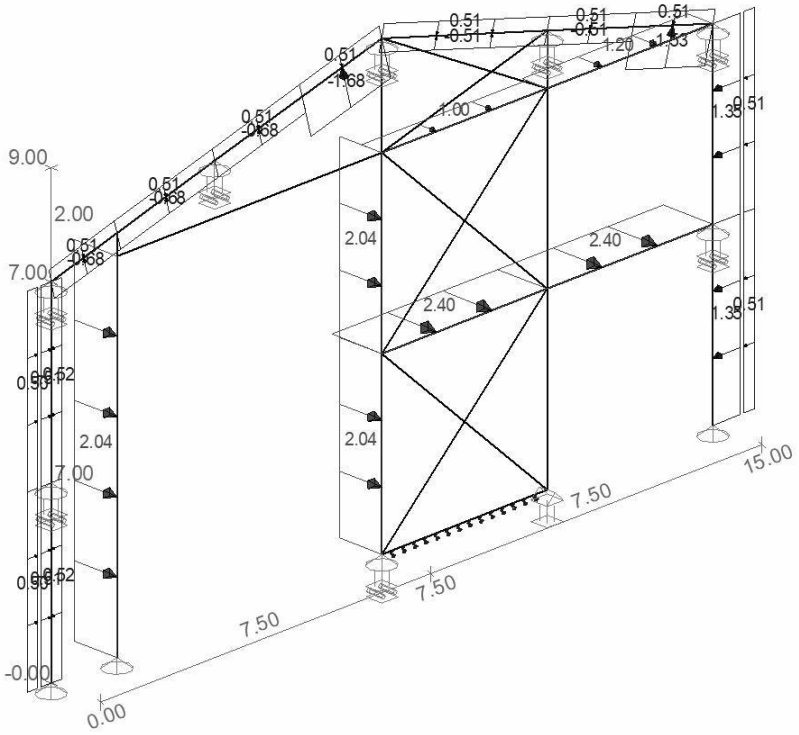
B.G.25: WINDBELASTING VAN RECHTS + OVERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE) (2E CORR. FACTOR)



B.G.25: WINDBELASTING VAN RECHTS + OVERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.25: Windbelasting van Rechts + Overdruk (Zadeldak FGH 2e Cpe + IJ 1e Cpe) (2e corr. factor)					
q	1,02 (q40)	1,02 (q40)	0,00	3,50(L)	Z' S23-S24
q	-0,68 (q42)	-0,68 (q42)	0,00	1,55(L)	Z' S7,S40
q	-0,34 (-q41)	-0,34 (-q41)	0,00	1,55(L)	Z' S7,S10,S23-S24,S38-S40
q	0,34 (q53)	0,34 (q53)	0,00	3,88(L)	Z' S10
q	0,34 (q54)	0,34 (q54)	2,02	3,88(L)	Z' S11
q	-0,34 (-q41)	-0,34 (-q41)	2,02	3,88(L)	Z' S11
q	0,34 (q53)	0,34 (q53)	0,00	2,02	Z' S11
q	-0,34 (-q41)	-0,34 (-q41)	0,00	2,02	Z' S11
q	2,40	2,40	0,00	3,75(L)	Y S29-S30
q	1,20	1,20	0,00	3,75(L)	Y S13
q	1,00	1,00	0,00	3,75(L)	Y S14
q	2,04	2,04	0,00	3,50(L)	Y S19,S25-S26
q	-0,85 (q38)	-0,85 (q38)	0,00	3,50(L)	Z' S38-S39
q	0,50	0,50	0,00	3,50(L)	Z' S38-S39
q	-1,68 (q43)	-1,68 (q43)	2,05	3,91	Z' S41
q	-0,34 (-q41)	-0,34 (-q41)	2,05	3,91	Z' S41
q	-0,68 (q42)	-0,68 (q42)	0,00	2,05	Z' S41
q	-0,34 (-q41)	-0,34 (-q41)	0,00	2,05	Z' S41

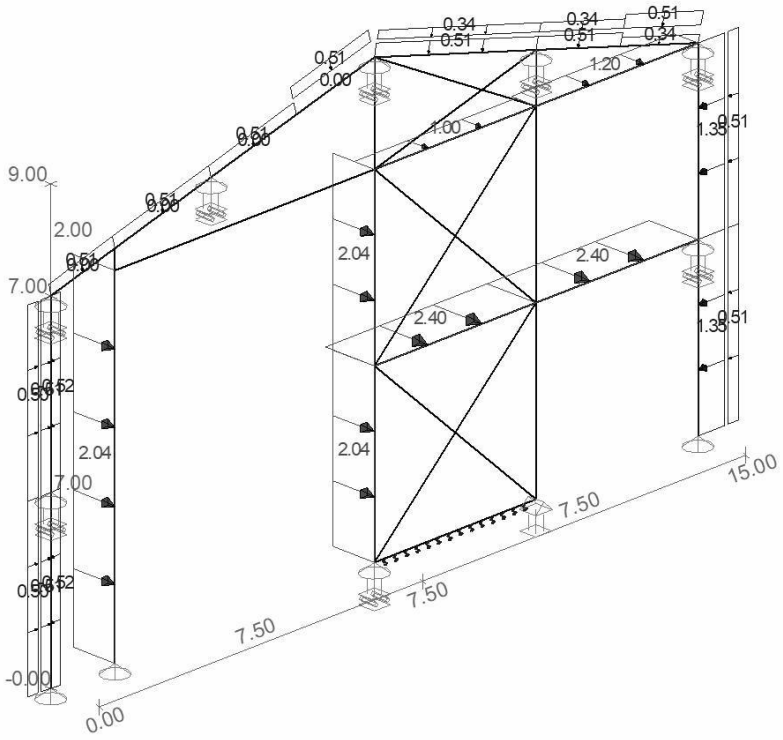
B.G.26: WINDBELASTING VAN RECHTS + ONDERDRUK



B.G.26: WINDBELASTING VAN RECHTS + ONDERDRUK

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.26: Windbelasting van Rechts + Onderdruk					
q	-0,68 (q60)	-0,68 (q60)	0,00	1,55(L)	Z' S7,S40
q	0,51 (-q59)	0,51 (-q59)	0,00	1,55(L)	Z' S7,S10,S23-S24,S38-S40
q	-0,51 (q62)	-0,51 (q62)	0,00	3,88(L)	Z' S10
q	-1,53 (q63)	-1,53 (q63)	2,02	3,88(L)	Z' S11
q	0,51 (-q59)	0,51 (-q59)	2,02	3,88(L)	Z' S11
q	-0,51 (q62)	-0,51 (q62)	0,00	2,02	Z' S11
q	0,51 (-q59)	0,51 (-q59)	0,00	2,02	Z' S11
q	1,35 (q64)	1,35 (q64)	0,00	3,50(L)	Z' S23-S24
q	2,40	2,40	0,00	3,75(L)	Y S29-S30
q	1,20	1,20	0,00	3,75(L)	Y S13
q	1,00	1,00	0,00	3,75(L)	Y S14
q	2,04	2,04	0,00	3,50(L)	Y S19,S25-S26
q	-0,52 (q57)	-0,52 (q57)	0,00	3,50(L)	Z' S38-S39
q	0,50	0,50	0,00	3,50(L)	Z' S38-S39
q	-1,68 (q61)	-1,68 (q61)	2,05	3,91	Z' S41
q	0,51 (-q59)	0,51 (-q59)	2,05	3,91	Z' S41
q	-0,68 (q60)	-0,68 (q60)	0,00	2,05	Z' S41
q	0,51 (-q59)	0,51 (-q59)	0,00	2,05	Z' S41

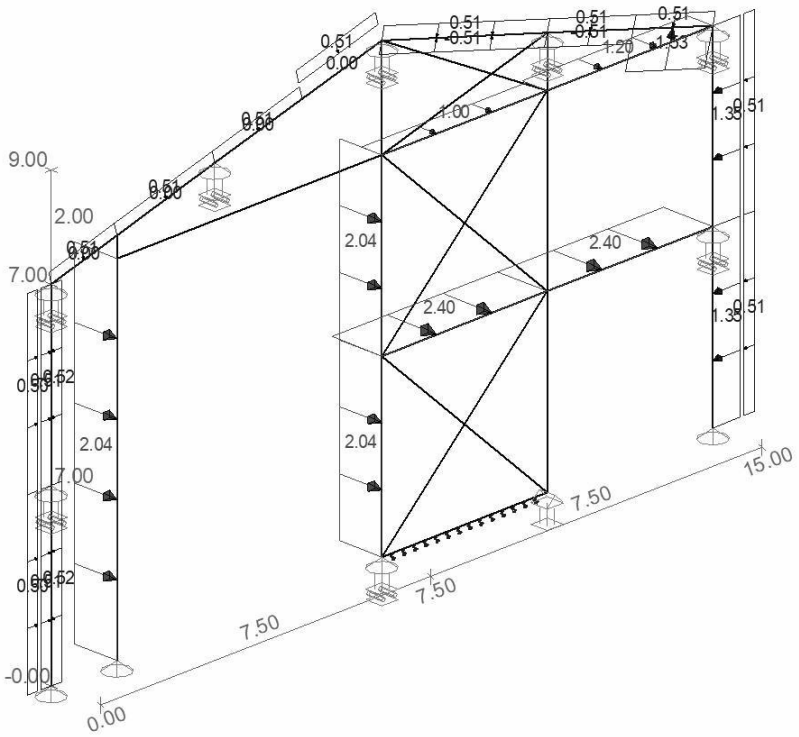
B.G.27: WINDBELASTING VAN RECHTS + ONDERDRUK (2E CPE)



B.G.27: WINDBELASTING VAN RECHTS + ONDERDRUK (2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.27: Windbelasting van Rechts + Onderdruk (2e Cpe)						
q	0,00 (q69)	0,00 (q69)	0,00	1,55(L)	Z'	S7,S40
q	0,51 (-q68)	0,51 (-q68)	0,00	1,55(L)	Z'	S7,S10,S23-S24,S38-S40
q	0,34 (q71)	0,34 (q71)	0,00	3,88(L)	Z'	S10
q	0,34 (q72)	0,34 (q72)	2,02	3,88(L)	Z'	S11
q	0,51 (-q68)	0,51 (-q68)	2,02	3,88(L)	Z'	S11
q	0,34 (q71)	0,34 (q71)	0,00	2,02	Z'	S11
q	0,51 (-q68)	0,51 (-q68)	0,00	2,02	Z'	S11
q	1,35 (q73)	1,35 (q73)	0,00	3,50(L)	Z'	S23-S24
q	2,40	2,40	0,00	3,75(L)	Y	S29-S30
q	1,20	1,20	0,00	3,75(L)	Y	S13
q	1,00	1,00	0,00	3,75(L)	Y	S14
q	2,04	2,04	0,00	3,50(L)	Y	S19,S25-S26
q	-0,52 (q66)	-0,52 (q66)	0,00	3,50(L)	Z'	S38-S39
q	0,50	0,50	0,00	3,50(L)	Z'	S38-S39
q	0,00 (q70)	0,00 (q70)	2,05	3,91	Z'	S41
q	0,51 (-q68)	0,51 (-q68)	2,05	3,91	Z'	S41
q	0,00 (q69)	0,00 (q69)	0,00	2,05	Z'	S41
q	0,51 (-q68)	0,51 (-q68)	0,00	2,05	Z'	S41

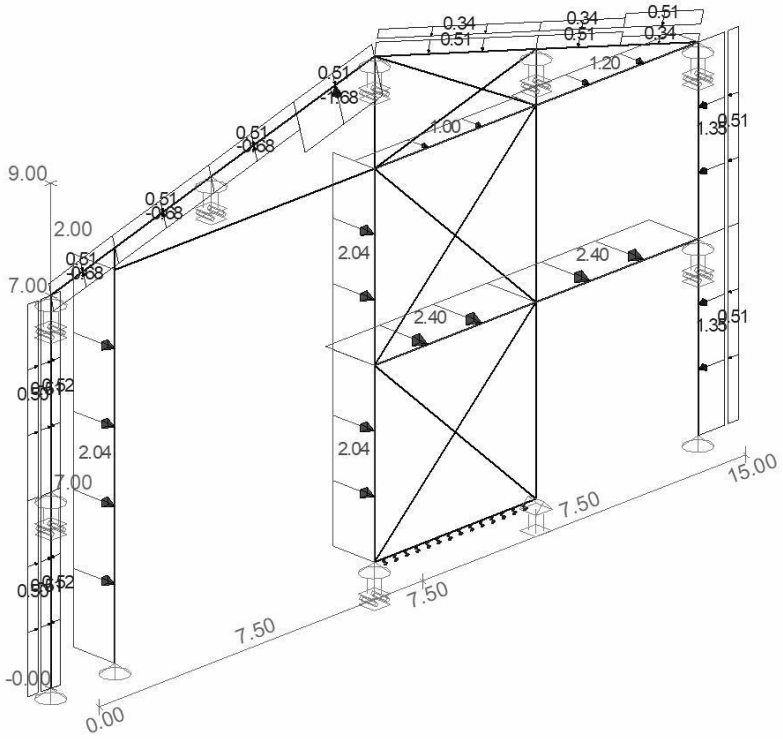
B.G.28: WINDBELASTING VAN RECHTS + ONDERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE)



B.G.28: WINDBELASTING VAN RECHTS + ONDERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.28: Windbelasting van Rechts + Onderdruk (Zadeldak FGH 1e Cpe + IJ 2e Cpe)						
q	0,00 (q69)	0,00 (q69)	0,00	1,55(L)		Z' S7,S40
q	0,51 (-q59)	0,51 (-q59)	0,00	1,55(L)		Z' S7,S10,S23-S24,S38-S40
q	-0,51 (q62)	-0,51 (q62)	0,00	3,88(L)		Z' S10
q	-1,53 (q63)	-1,53 (q63)	2,02	3,88(L)		Z' S11
q	0,51 (-q59)	0,51 (-q59)	2,02	3,88(L)		Z' S11
q	-0,51 (q62)	-0,51 (q62)	0,00	2,02		Z' S11
q	0,51 (-q59)	0,51 (-q59)	0,00	2,02		Z' S11
q	1,35 (q64)	1,35 (q64)	0,00	3,50(L)		Z' S23-S24
q	2,40	2,40	0,00	3,75(L)		Y S29-S30
q	1,20	1,20	0,00	3,75(L)		Y S13
q	1,00	1,00	0,00	3,75(L)		Y S14
q	2,04	2,04	0,00	3,50(L)		Y S19,S25-S26
q	-0,52 (q57)	-0,52 (q57)	0,00	3,50(L)		Z' S38-S39
q	0,50	0,50	0,00	3,50(L)		Z' S38-S39
q	0,00 (q70)	0,00 (q70)	2,05	3,91		Z' S41
q	0,51 (-q59)	0,51 (-q59)	2,05	3,91		Z' S41
q	0,00 (q69)	0,00 (q69)	0,00	2,05		Z' S41
q	0,51 (-q59)	0,51 (-q59)	0,00	2,05		Z' S41

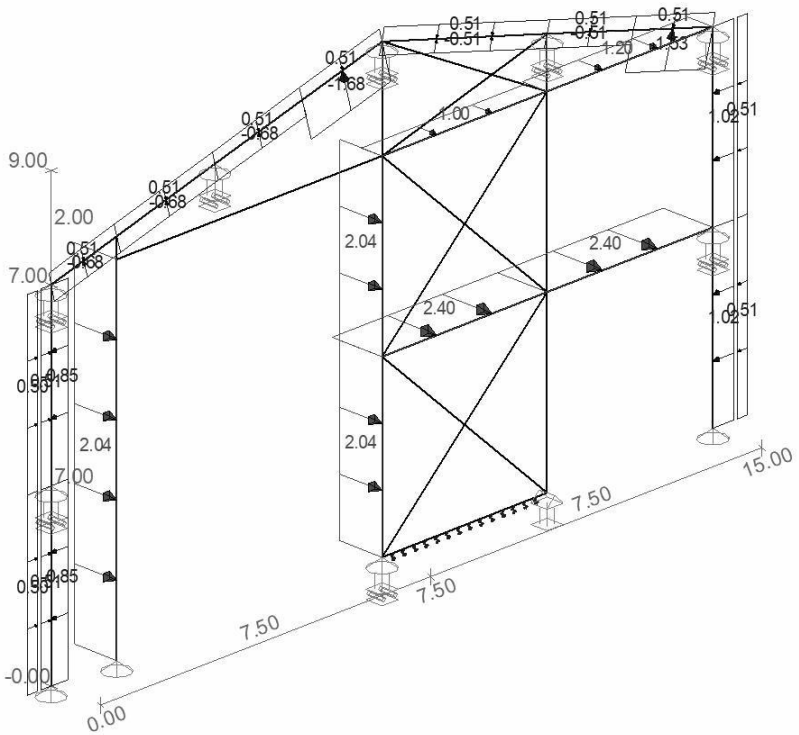
B.G.29: WINDBELASTING VAN RECHTS + ONDERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE)



B.G.29: WINDBELASTING VAN RECHTS + ONDERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.29: Windbelasting van Rechts + Onderdruk (Zadeldak FGH 2e Cpe + IJ 1e Cpe)						
q	-0,68 (q60)	-0,68 (q60)	0,00	1,55(L)		Z' S7,S40
q	0,51 (-q59)	0,51 (-q59)	0,00	1,55(L)		Z' S7,S10,S23-S24,S38-S40
q	0,34 (q71)	0,34 (q71)	0,00	3,88(L)		Z' S10
q	0,34 (q72)	0,34 (q72)	2,02	3,88(L)		Z' S11
q	0,51 (-q59)	0,51 (-q59)	2,02	3,88(L)		Z' S11
q	0,34 (q71)	0,34 (q71)	0,00	2,02		Z' S11
q	0,51 (-q59)	0,51 (-q59)	0,00	2,02		Z' S11
q	1,35 (q64)	1,35 (q64)	0,00	3,50(L)		Z' S23-S24
q	2,40	2,40	0,00	3,75(L)		Y S29-S30
q	1,20	1,20	0,00	3,75(L)		Y S13
q	1,00	1,00	0,00	3,75(L)		Y S14
q	2,04	2,04	0,00	3,50(L)		Y S19,S25-S26
q	-0,52 (q57)	-0,52 (q57)	0,00	3,50(L)		Z' S38-S39
q	0,50	0,50	0,00	3,50(L)		Z' S38-S39
q	-1,68 (q61)	-1,68 (q61)	2,05	3,91		Z' S41
q	0,51 (-q59)	0,51 (-q59)	2,05	3,91		Z' S41
q	-0,68 (q60)	-0,68 (q60)	0,00	2,05		Z' S41
q	0,51 (-q59)	0,51 (-q59)	0,00	2,05		Z' S41

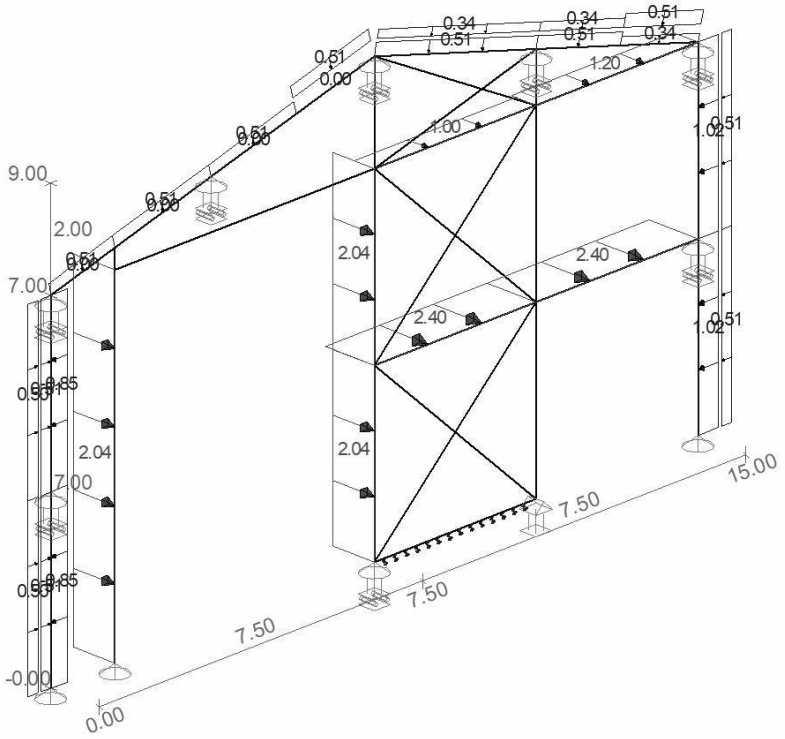
B.G.30: WINDBELASTING VAN RECHTS + ONDERDRUK (2E CORR. FACTOR)



B.G.30: WINDBELASTING VAN RECHTS + ONDERDRUK (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.30: Windbelasting van Rechts + Onderdruk (2e corr. factor)						
q	1,02 (q58)	1,02 (q58)	0,00	3,50(L)	Z'	S23-S24
q	-0,68 (q60)	-0,68 (q60)	0,00	1,55(L)	Z'	S7,S40
q	0,51 (-q59)	0,51 (-q59)	0,00	1,55(L)	Z'	S7,S10,S23-S24,S38-S40
q	-0,51 (q62)	-0,51 (q62)	0,00	3,88(L)	Z'	S10
q	-1,53 (q63)	-1,53 (q63)	2,02	3,88(L)	Z'	S11
q	0,51 (-q59)	0,51 (-q59)	2,02	3,88(L)	Z'	S11
q	-0,51 (q62)	-0,51 (q62)	0,00	2,02	Z'	S11
q	0,51 (-q59)	0,51 (-q59)	0,00	2,02	Z'	S11
q	2,40	2,40	0,00	3,75(L)	Y	S29-S30
q	1,20	1,20	0,00	3,75(L)	Y	S13
q	1,00	1,00	0,00	3,75(L)	Y	S14
q	2,04	2,04	0,00	3,50(L)	Y	S19,S25-S26
q	-0,85 (q56)	-0,85 (q56)	0,00	3,50(L)	Z'	S38-S39
q	0,50	0,50	0,00	3,50(L)	Z'	S38-S39
q	-1,68 (q61)	-1,68 (q61)	2,05	3,91	Z'	S41
q	0,51 (-q59)	0,51 (-q59)	2,05	3,91	Z'	S41
q	-0,68 (q60)	-0,68 (q60)	0,00	2,05	Z'	S41
q	0,51 (-q59)	0,51 (-q59)	0,00	2,05	Z'	S41

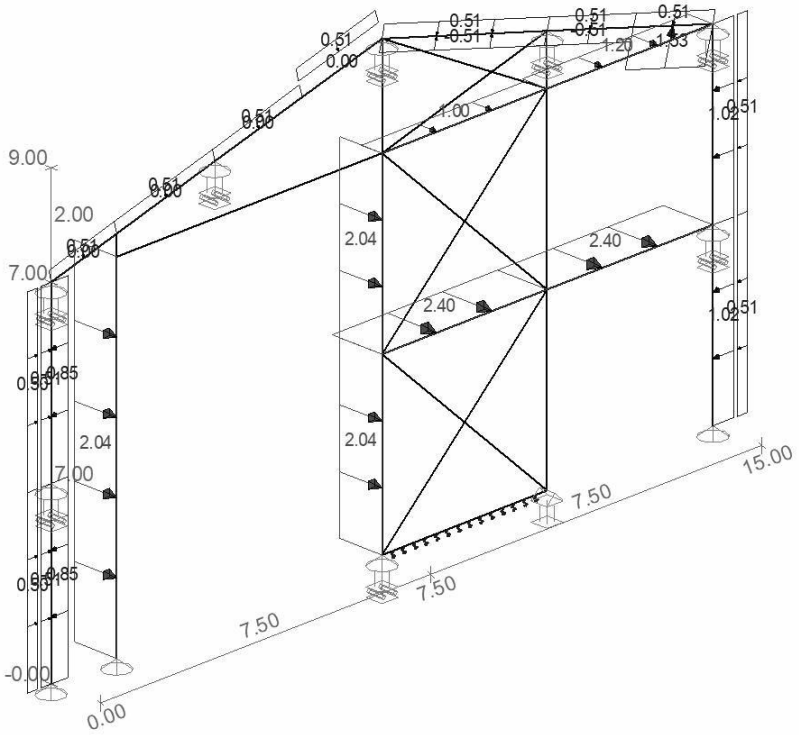
B.G.31: WINDBELASTING VAN RECHTS + ONDERDRUK (2E CPE) (2E CORR. FACTOR)



B.G.31: WINDBELASTING VAN RECHTS + ONDERDRUK (2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.31: Windbelasting van Rechts + Onderdruk (2e Cpe) (2e corr. factor)					
q	1,02 (q67)	1,02 (q67)	0,00	3,50(L)	Z' S23-S24
q	0,00 (q69)	0,00 (q69)	0,00	1,55(L)	Z' S7,S40
q	0,51 (-q68)	0,51 (-q68)	0,00	1,55(L)	Z' S7,S10,S23-S24,S38-S40
q	0,34 (q71)	0,34 (q71)	0,00	3,88(L)	Z' S10
q	0,34 (q72)	0,34 (q72)	2,02	3,88(L)	Z' S11
q	0,51 (-q68)	0,51 (-q68)	2,02	3,88(L)	Z' S11
q	0,34 (q71)	0,34 (q71)	0,00	2,02	Z' S11
q	0,51 (-q68)	0,51 (-q68)	0,00	2,02	Z' S11
q	2,40	2,40	0,00	3,75(L)	Y S29-S30
q	1,20	1,20	0,00	3,75(L)	Y S13
q	1,00	1,00	0,00	3,75(L)	Y S14
q	2,04	2,04	0,00	3,50(L)	Y S19,S25-S26
q	-0,85 (q65)	-0,85 (q65)	0,00	3,50(L)	Z' S38-S39
q	0,50	0,50	0,00	3,50(L)	Z' S38-S39
q	0,00 (q70)	0,00 (q70)	2,05	3,91	Z' S41
q	0,51 (-q68)	0,51 (-q68)	2,05	3,91	Z' S41
q	0,00 (q69)	0,00 (q69)	0,00	2,05	Z' S41
q	0,51 (-q68)	0,51 (-q68)	0,00	2,05	Z' S41

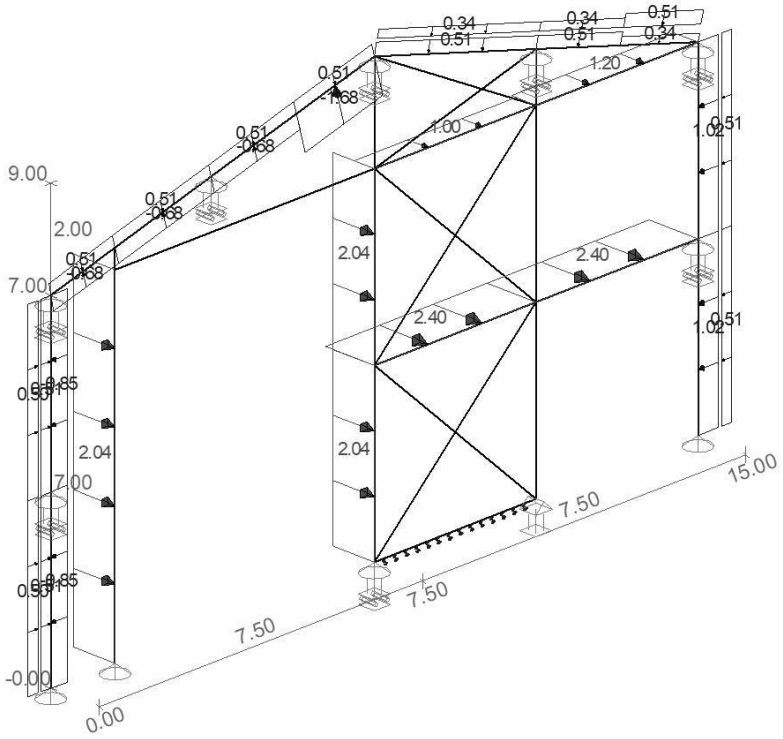
B.G.32: WINDBELASTING VAN RECHTS + ONDERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE) (2E CORR. FACTOR)



B.G.32: WINDBELASTING VAN RECHTS + ONDERDRUK (ZADELDAK FGH 1E CPE + IJ 2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.32: Windbelasting van Rechts + Onderdruk (Zadeldak FGH 1e Cpe + IJ 2e Cpe) (2e corr. factor)					
q	1,02 (q58)	1,02 (q58)	0,00	3,50(L)	Z' S23-S24
q	0,00 (q69)	0,00 (q69)	0,00	1,55(L)	Z' S7,S40
q	0,51 (-q59)	0,51 (-q59)	0,00	1,55(L)	Z' S7,S10,S23-S24,S38-S40
q	-0,51 (q62)	-0,51 (q62)	0,00	3,88(L)	Z' S10
q	-1,53 (q63)	-1,53 (q63)	2,02	3,88(L)	Z' S11
q	0,51 (-q59)	0,51 (-q59)	2,02	3,88(L)	Z' S11
q	-0,51 (q62)	-0,51 (q62)	0,00	2,02	Z' S11
q	0,51 (-q59)	0,51 (-q59)	0,00	2,02	Z' S11
q	2,40	2,40	0,00	3,75(L)	Y S29-S30
q	1,20	1,20	0,00	3,75(L)	Y S13
q	1,00	1,00	0,00	3,75(L)	Y S14
q	2,04	2,04	0,00	3,50(L)	Y S19,S25-S26
q	-0,85 (q56)	-0,85 (q56)	0,00	3,50(L)	Z' S38-S39
q	0,50	0,50	0,00	3,50(L)	Z' S38-S39
q	0,00 (q70)	0,00 (q70)	2,05	3,91	Z' S41
q	0,51 (-q59)	0,51 (-q59)	2,05	3,91	Z' S41
q	0,00 (q69)	0,00 (q69)	0,00	2,05	Z' S41
q	0,51 (-q59)	0,51 (-q59)	0,00	2,05	Z' S41

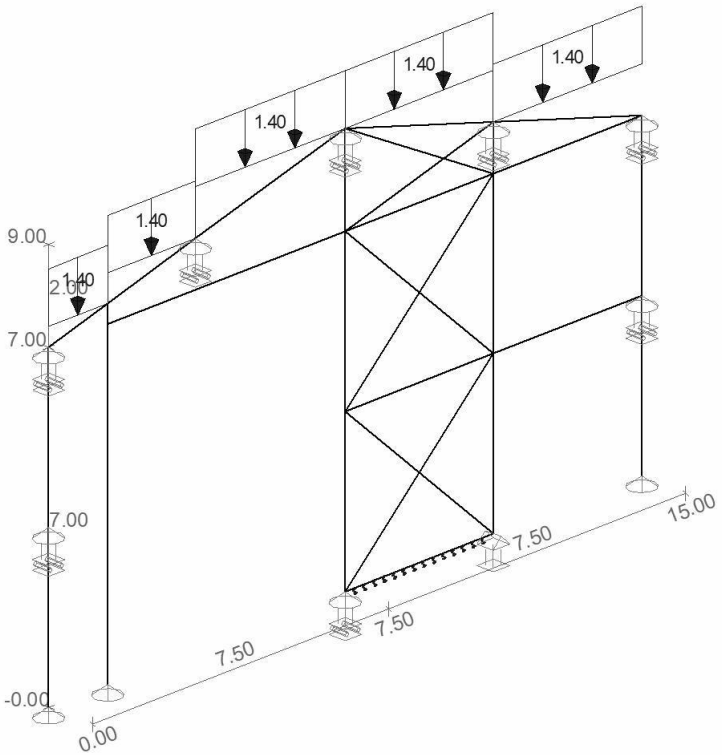
B.G.33: WINDBELASTING VAN RECHTS + ONDERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE) (2E CORR. FACTOR)



B.G.33: WINDBELASTING VAN RECHTS + ONDERDRUK (ZADELDAK FGH 2E CPE + IJ 1E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.33: Windbelasting van Rechts + Onderdruk (Zadeldak FGH 2e Cpe + IJ 1e Cpe) (2e corr. factor)					
q	1,02 (q58)	1,02 (q58)	0,00	3,50(L)	Z' S23-S24
q	-0,68 (q60)	-0,68 (q60)	0,00	1,55(L)	Z' S7,S40
q	0,51 (-q59)	0,51 (-q59)	0,00	1,55(L)	Z' S7,S10,S23-S24,S38-S40
q	0,34 (q71)	0,34 (q71)	0,00	3,88(L)	Z' S10
q	0,34 (q72)	0,34 (q72)	2,02	3,88(L)	Z' S11
q	0,51 (-q59)	0,51 (-q59)	2,02	3,88(L)	Z' S11
q	0,34 (q71)	0,34 (q71)	0,00	2,02	Z' S11
q	0,51 (-q59)	0,51 (-q59)	0,00	2,02	Z' S11
q	2,40	2,40	0,00	3,75(L)	Y S29-S30
q	1,20	1,20	0,00	3,75(L)	Y S13
q	1,00	1,00	0,00	3,75(L)	Y S14
q	2,04	2,04	0,00	3,50(L)	Y S19,S25-S26
q	-0,85 (q56)	-0,85 (q56)	0,00	3,50(L)	Z' S38-S39
q	0,50	0,50	0,00	3,50(L)	Z' S38-S39
q	-1,68 (q61)	-1,68 (q61)	2,05	3,91	Z' S41
q	0,51 (-q59)	0,51 (-q59)	2,05	3,91	Z' S41
q	-0,68 (q60)	-0,68 (q60)	0,00	2,05	Z' S41
q	0,51 (-q59)	0,51 (-q59)	0,00	2,05	Z' S41

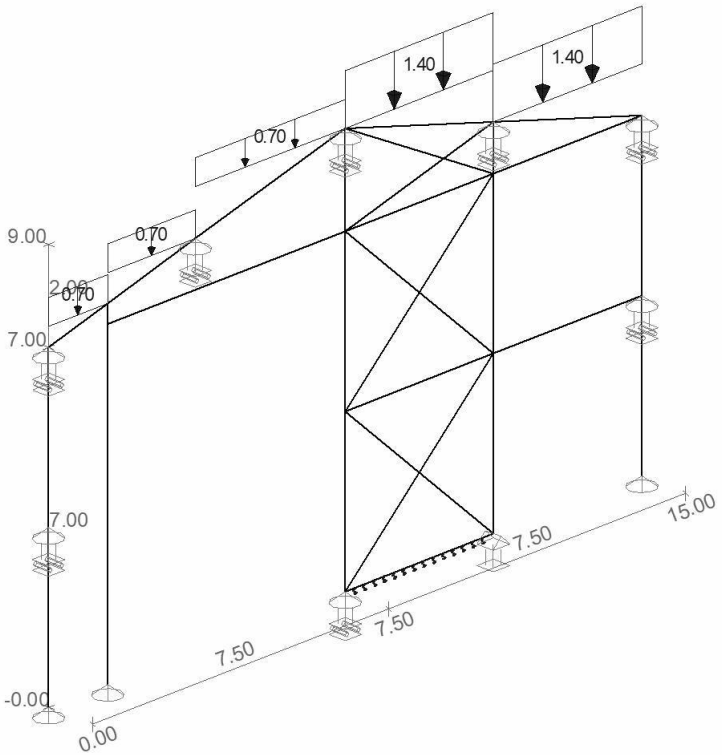
B.G.34: SNEEUWBELASTING 1



B.G.34: SNEEUWBELASTING 1

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.34: Sneeuwbelasting 1					
q	1,40 (q74)	1,40 (q74)	0,00	1,50(L)	Z S7,S10-S11,S40-S41

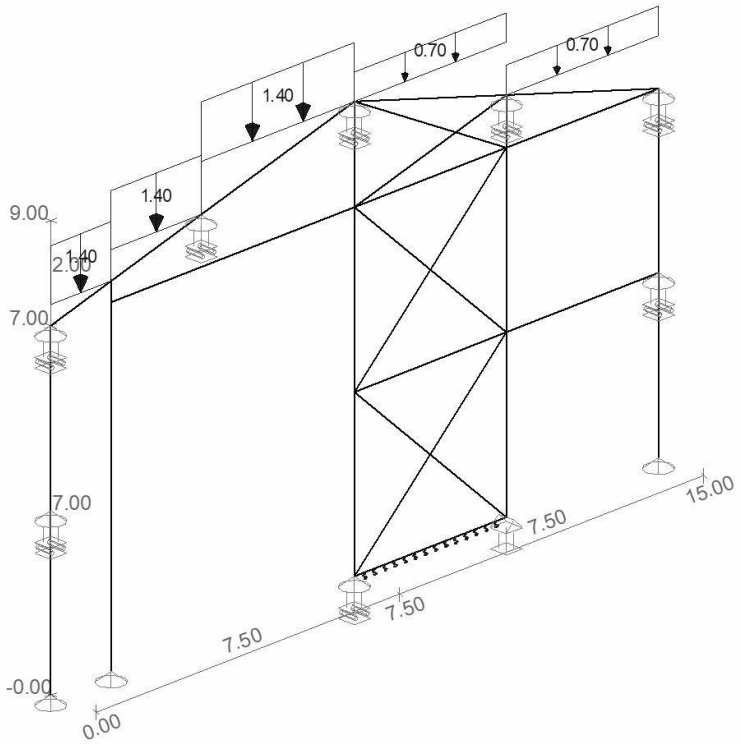
B.G.35: SNEEUWBELASTING 2



B.G.35: SNEEUWBELASTING 2

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.35: Sneeuwbelasting 2					
q	0,70 (q75)	0,70 (q75)	0,00	1,50(L)	Z S7,S40-S41
q	1,40 (q74)	1,40 (q74)	0,00	3,75(L)	Z S10-S11

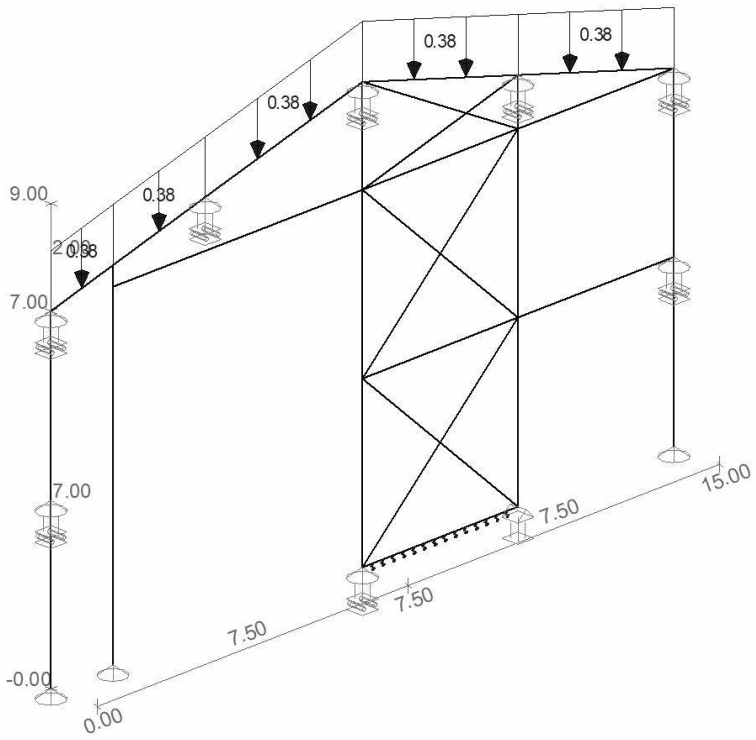
B.G.36: SNEEUWBELASTING 3



B.G.36: SNEEUWBELASTING 3

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.36: Sneeuwbelasting 3					
q	1,40 (q74)	1,40 (q74)	0,00	1,50(L)	Z S7,S40-S41
q	0,70 (q75)	0,70 (q75)	0,00	3,75(L)	Z S10-S11

B.G.37: ZONNEPANELEN



B.G.37: ZONNEPANELEN

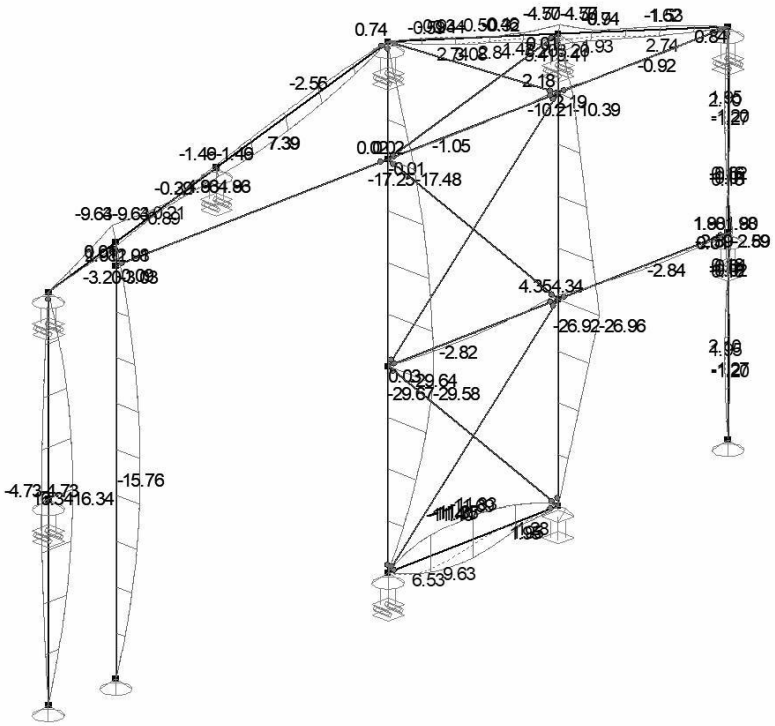
Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.37: Zonnepanelen					
q	0,38	0,38	0,00	1,55(L)	Z" S7,S10-S11,S40-S41

FUNDAMENTEEL BELASTINGSCOMBINATIES (LIJST)

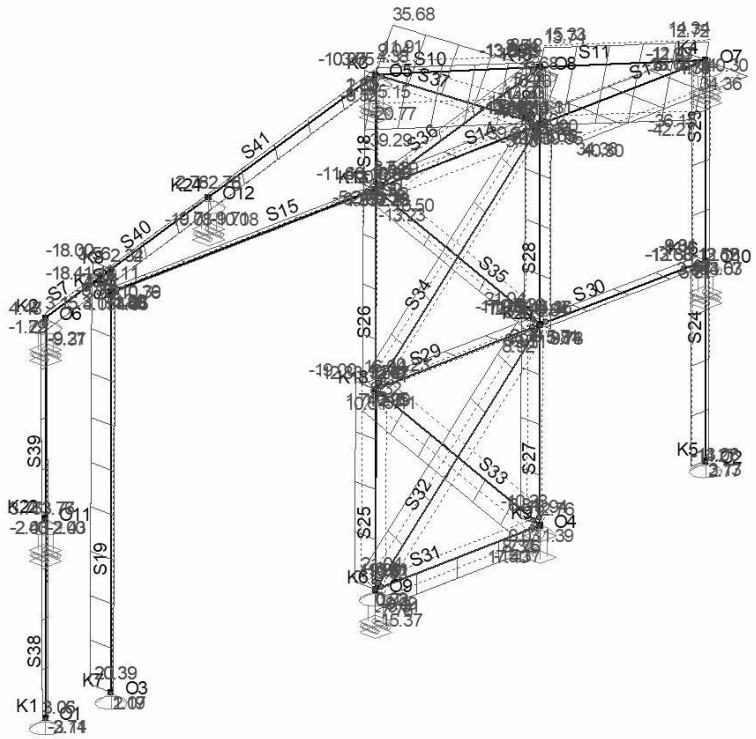
Fu.C.1 = 1.08*B.G.1 + 1.13*B.G.2
Fu.C.2 = 0.90*B.G.1 + 1.13*B.G.2 + 1.08*B.G.37
Fu.C.3 = 1.08*B.G.1 + 1.13*B.G.3
Fu.C.4 = 0.90*B.G.1 + 1.13*B.G.3 + 1.08*B.G.37
Fu.C.5 = 1.08*B.G.1 + 1.13*B.G.4
Fu.C.6 = 0.90*B.G.1 + 1.13*B.G.4 + 1.08*B.G.37
Fu.C.7 = 1.08*B.G.1 + 1.13*B.G.5
Fu.C.8 = 0.90*B.G.1 + 1.13*B.G.5 + 1.08*B.G.37
Fu.C.9 = 1.08*B.G.1 + 1.13*B.G.6
Fu.C.10 = 0.90*B.G.1 + 1.13*B.G.6 + 1.08*B.G.37
Fu.C.11 = 1.08*B.G.1 + 1.13*B.G.7
Fu.C.12 = 0.90*B.G.1 + 1.13*B.G.7 + 1.08*B.G.37
Fu.C.13 = 1.08*B.G.1 + 1.13*B.G.8
Fu.C.14 = 0.90*B.G.1 + 1.13*B.G.8 + 1.08*B.G.37
Fu.C.15 = 1.08*B.G.1 + 1.13*B.G.9
Fu.C.16 = 0.90*B.G.1 + 1.13*B.G.9 + 1.08*B.G.37
Fu.C.17 = 1.08*B.G.1 + 1.13*B.G.10 + 1.08*B.G.37
Fu.C.18 = 0.90*B.G.1 + 1.13*B.G.10
Fu.C.19 = 1.08*B.G.1 + 1.13*B.G.11 + 1.08*B.G.37
Fu.C.20 = 0.90*B.G.1 + 1.13*B.G.11
Fu.C.21 = 1.08*B.G.1 + 1.13*B.G.12 + 1.08*B.G.37
Fu.C.22 = 0.90*B.G.1 + 1.13*B.G.12
Fu.C.23 = 1.08*B.G.1 + 1.13*B.G.13 + 1.08*B.G.37
Fu.C.24 = 0.90*B.G.1 + 1.13*B.G.13
Fu.C.25 = 1.08*B.G.1 + 1.13*B.G.14 + 1.08*B.G.37
Fu.C.26 = 0.90*B.G.1 + 1.13*B.G.14
Fu.C.27 = 1.08*B.G.1 + 1.13*B.G.15 + 1.08*B.G.37
Fu.C.28 = 0.90*B.G.1 + 1.13*B.G.15
Fu.C.29 = 1.08*B.G.1 + 1.13*B.G.16 + 1.08*B.G.37

Fu.C.30 = 0.90*B.G.1 + 1.13*B.G.16

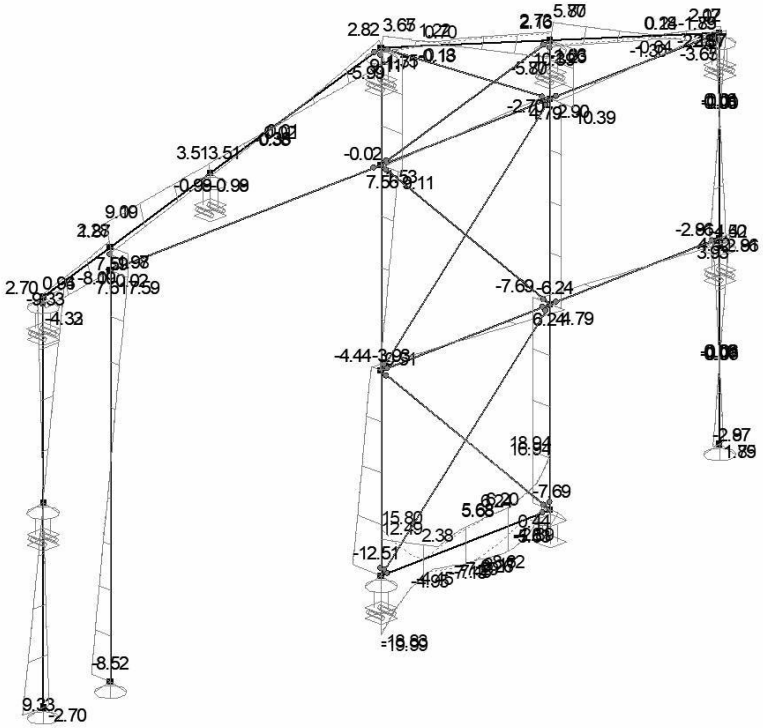
Fu.C.31 = 1.08*B.G.1 + 1.13*B.G.17 + 1.08*B.G.37
Fu.C.32 = 0.90*B.G.1 + 1.13*B.G.17
Fu.C.33 = 1.08*B.G.1 + 1.13*B.G.18
Fu.C.34 = 0.90*B.G.1 + 1.13*B.G.18 + 1.08*B.G.37
Fu.C.35 = 1.08*B.G.1 + 1.13*B.G.19
Fu.C.36 = 0.90*B.G.1 + 1.13*B.G.19 + 1.08*B.G.37
Fu.C.37 = 1.08*B.G.1 + 1.13*B.G.20
Fu.C.38 = 0.90*B.G.1 + 1.13*B.G.20 + 1.08*B.G.37
Fu.C.39 = 1.08*B.G.1 + 1.13*B.G.21
Fu.C.40 = 0.90*B.G.1 + 1.13*B.G.21 + 1.08*B.G.37
Fu.C.41 = 1.08*B.G.1 + 1.13*B.G.22
Fu.C.42 = 0.90*B.G.1 + 1.13*B.G.22 + 1.08*B.G.37
Fu.C.43 = 1.08*B.G.1 + 1.13*B.G.23
Fu.C.44 = 0.90*B.G.1 + 1.13*B.G.23 + 1.08*B.G.37
Fu.C.45 = 1.08*B.G.1 + 1.13*B.G.24
Fu.C.46 = 0.90*B.G.1 + 1.13*B.G.24 + 1.08*B.G.37
Fu.C.47 = 1.08*B.G.1 + 1.13*B.G.25
Fu.C.48 = 0.90*B.G.1 + 1.13*B.G.25 + 1.08*B.G.37
Fu.C.49 = 1.08*B.G.1 + 1.13*B.G.26 + 1.08*B.G.37
Fu.C.50 = 0.90*B.G.1 + 1.13*B.G.26
Fu.C.51 = 1.08*B.G.1 + 1.13*B.G.27 + 1.08*B.G.37
Fu.C.52 = 0.90*B.G.1 + 1.13*B.G.27
Fu.C.53 = 1.08*B.G.1 + 1.13*B.G.28 + 1.08*B.G.37
Fu.C.54 = 0.90*B.G.1 + 1.13*B.G.28
Fu.C.55 = 1.08*B.G.1 + 1.13*B.G.29 + 1.08*B.G.37
Fu.C.56 = 0.90*B.G.1 + 1.13*B.G.29
Fu.C.57 = 1.08*B.G.1 + 1.13*B.G.30 + 1.08*B.G.37
Fu.C.58 = 0.90*B.G.1 + 1.13*B.G.30
Fu.C.59 = 1.08*B.G.1 + 1.13*B.G.31 + 1.08*B.G.37
Fu.C.60 = 0.90*B.G.1 + 1.13*B.G.31
Fu.C.61 = 1.08*B.G.1 + 1.13*B.G.32 + 1.08*B.G.37
Fu.C.62 = 0.90*B.G.1 + 1.13*B.G.32
Fu.C.63 = 1.08*B.G.1 + 1.13*B.G.33 + 1.08*B.G.37
Fu.C.64 = 0.90*B.G.1 + 1.13*B.G.33
Fu.C.65 = 1.08*B.G.1 + 1.01*B.G.34 + 1.08*B.G.37
Fu.C.66 = 0.90*B.G.1 + 1.01*B.G.34
Fu.C.67 = 1.08*B.G.1 + 1.01*B.G.35 + 1.08*B.G.37
Fu.C.68 = 0.90*B.G.1 + 1.01*B.G.35
Fu.C.69 = 1.08*B.G.1 + 1.01*B.G.36 + 1.08*B.G.37
Fu.C.70 = 0.90*B.G.1 + 1.01*B.G.36
Fu.C.71 = 1.22*B.G.1 + 1.22*B.G.37
Fu.C.72 = 0.90*B.G.1
Fu.C.73 = 1.22*B.G.1
Fu.C.74 = 0.90*B.G.1 + 1.22*B.G.37



AFB. FU.C. NORMAALKRACHT (NX) OMHULLENDE Fundamenteel Belastingscombinaties



AFB. FU.C. DWARSKRACHT (VZ) OMHULLENDE Fundamenteel Belastingscombinaties



FU.C. EXTREME STAAFKRACHTEN ANALYSE

Staaf	B.C.	Ward	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Waard	Vb	Vmax	Ve	Mxb	Mxe
S7	Fu.C.1	My	0.00	0.00	0.00	1.86	0.00	0.00 D	-6.23	Vz	0.12	**2.28**	**2.28**	**0.01**	**0.01**
		Mz	**0.00**	0.00	0.00	**5.94**	0.00	0.00		Vy	**3.83**	**3.83**	**3.83**		
	Fu.C.1	My	0.00	**-0.20**	0.59	0.32	1.19	0.00 D	-4.67	Vz	-0.67	1.08	1.08	0.01	0.01
		Mz	0.00	0.00	0.00	5.94	0.00	0.00		Vy	3.83	3.83	3.83		
	Fu.C.1	My	0.00	0.00	0.00	-1.05	0.00	0.00 D	**-9.37**	Vz	-1.11	-1.11	-0.24	0.01	0.01
		Mz	0.00	0.00	0.00	5.94	0.00	0.00		Vy	3.83	3.83	3.83		
	Fu.C.3	My	0.00	0.00	0.00	**1.98**	0.00	0.00 T	1.50	Vz	**0.94**	1.61	1.61	0.01	0.01
		Mz	0.00	0.00	0.00	5.94	0.00	0.00		Vy	3.83	3.83	3.83		
	Fu.C.4	My	0.00	0.00	0.00	-2.79	0.00	0.00 T	**3.56**	Vz	-1.33	-2.27	-2.27	0.01	0.01
		Mz	0.00	0.00	0.00	5.94	0.00	0.00		Vy	3.83	3.83	3.83		
	Fu.C.6	My	0.00	0.00	0.00	**-9.63**	0.00	0.00 T	2.16	Vz	**-4.32**	**-8.09**	**-8.09**	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S10	Fu.C.1	My	0.00	-0.55	0.84	4.35	1.68	0.00 D	-23.43	Vz	-1.31	2.46	2.46	**0.00**	**0.00**
		Mz	**1.42**	0.00	0.00	**-0.58**	2.76	0.00		Vy	**-0.51**	**-0.51**	**-0.51**		
	Fu.C.7	My	0.00	-0.35	0.67	**5.41**	1.33	0.00 D	-31.79	Vz	-1.04	**2.73**	**2.73**	0.00	0.00
		Mz	1.42	0.00	0.00	-0.58	2.76	0.00		Vy	-0.51	-0.51	-0.51		
	Fu.C.9	My	0.00	**-0.59**	0.87	4.20	1.73	0.00 D	-21.47	Vz	**-1.35**	2.42	2.42	0.00	0.00
		Mz	1.42	0.00	0.00	-0.58	2.76	0.00		Vy	-0.51	-0.51	-0.51		
	Fu.C.1	My	0.00	**3.08**	1.91	-0.18	3.83	0.00 D	-29.42	Vz	3.22	-3.31	-3.31	0.00	0.00
		Mz	1.42	0.00	0.00	-0.58	2.76	0.00		Vy	-0.51	-0.51	-0.51		
	Fu.C.2	My	0.00	0.00	0.00	4.52	0.00	0.00 D	**-39.91**	Vz	0.35	1.70	0.88	0.00	0.00

Staaf	B.C.	Ward	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Waa	Vb	Vmax	Ve	Mxb	Mxe

									rd						
		Mz	1.42	0.00	0.00	-0.58	2.76	0.00		Vy	-0.51	-0.51	-0.51		
	Fu.C.4	My	0.00	0.63	1.13	-3.10	2.26	0.00 T	**4.38**	Vz	1.12	-2.71	-2.71	0.00	0.00
		Mz	1.42	0.00	0.00	-0.58	2.76	0.00		Vy	-0.51	-0.51	-0.51		
	Fu.C.6	My	0.00	1.89	1.35	**-4.70**	2.71	0.00 D	-1.61	Vz	2.79	-5.21	-5.21	0.00	0.00
		Mz	1.42	0.00	0.00	-0.58	2.76	0.00		Vy	-0.51	-0.51	-0.51		
	Fu.C.6	My	0.00	2.75	1.50	-4.11	3.01	0.00 D	-5.42	Vz	3.66	**-5.77**	**-5.77**	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
	Fu.C.6	My	0.00	2.78	1.51	-4.04	3.02	0.00 D	-5.86	Vz	**3.67**	-5.76	-5.76	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S11	Fu.C.1	My	4.35	0.00	0.00	0.00	0.00	0.00 D	-26.23	Vz	-1.96	-1.96	-0.28	**0.01**	**0.01**
		Mz	**-0.57**	0.00	0.00	**0.88**	1.53	0.00		Vy	**0.38**	**0.38**	**0.38**		
	Fu.C.7	My	**5.41**	0.00	0.00	0.00	0.00	0.00 D	-35.04	Vz	**-2.23**	-2.23	-0.56	0.01	0.01
		Mz	-0.57	0.00	0.00	0.88	1.53	0.00		Vy	0.38	0.38	0.38		
	Fu.C.2	My	1.25	2.87	1.67	0.00	0.00	0.00 D	-32.19	Vz	1.95	**-2.60**	-2.60	0.01	0.01
		Mz	-0.57	0.00	0.00	0.88	1.53	0.00		Vy	0.38	0.38	0.38		
	Fu.C.2	My	2.78	**3.39**	1.16	0.00	0.00	0.00 D	-37.98	Vz	1.06	-2.49	-2.49	0.01	0.01
		Mz	-0.57	0.00	0.00	0.88	1.53	0.00		Vy	0.38	0.38	0.38		
	Fu.C.2	My	4.52	0.00	0.00	0.00	0.00	0.00 D	**-42.27**	Vz	-0.38	-1.95	-1.95	0.01	0.01
		Mz	-0.57	0.00	0.00	0.88	1.53	0.00		Vy	0.38	0.38	0.38		
	Fu.C.4	My	-0.08	**-1.62**	2.36	0.00	0.00	0.00 T	10.49	Vz	-0.96	2.12	**2.12**	0.01	0.01
		Mz	-0.57	0.00	0.00	0.88	1.53	0.00		Vy	0.38	0.38	0.38		
	Fu.C.4	My	-3.10	0.63	2.75	0.00	1.62	0.00 T	**13.74**	Vz	2.71	2.71	-1.12	0.01	0.01
		Mz	-0.57	0.00	0.00	0.88	1.53	0.00		Vy	0.38	0.38	0.38		
	Fu.C.6	My	**-4.70**	1.89	2.53	0.00	1.17	0.00 T	7.19	Vz	5.21	5.21	-2.79	0.01	0.01
		Mz	-0.57	0.00	0.00	0.88	1.53	0.00		Vy	0.38	0.38	0.38		
	Fu.C.6	My	-4.11	2.75	2.38	0.00	0.87	0.00 D	-4.97	Vz	**5.77**	**5.77**	-3.66	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
	Fu.C.6	My	-4.04	2.78	2.37	0.00	0.86	0.00 D	-5.43	Vz	5.76	5.76	**-3.67**	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S13	Fu.C.1	My	**0.84**	**-0.92**	1.61	**2.19**	0.45	2.77 T	26.59	Vz	**-2.18**	**2.90**	**2.90**	**0.23**	**0.23**
		Mz	0.00	-0.18	1.88	0.00	0.00	0.00		Vy	-0.19	**-0.19**	0.19		
	Fu.C.2	My	0.84	-0.92	1.61	2.19	0.45	2.77 T	**40.30**	Vz	-2.18	2.90	2.90	0.23	0.23
		Mz	0.00	-0.15	1.87	0.00	0.00	0.00		Vy	-0.16	-0.16	0.16		
	Fu.C.4	My	0.84	-0.92	1.61	2.19	0.45	2.77 D	**-13.64**	Vz	-2.18	2.90	2.90	0.23	0.23
		Mz	0.00	-0.15	1.87	0.00	0.00	0.00		Vy	-0.16	-0.16	0.16		
	Fu.C.7	My	0.00	0.00	0.00	0.00	0.00	0.00 T	3.08	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	**-0.20**	1.88	0.00	0.00	0.00		Vy	**-0.21**	**0.21**	**0.21**		
S14	Fu.C.1	My	**2.18**	**-1.05**	2.39	**-0.01**	1.03	0.00 D	-2.30	Vz	**-2.70**	**-2.70**	**1.53**	**0.06**	**0.06**
		Mz	0.00	-0.18	1.88	0.00	0.00	0.00		Vy	-0.19	**-0.19**	0.19		
	Fu.C.4	My	2.18	-1.05	2.39	-0.01	1.03	0.00 D	**-13.12**	Vz	-2.70	-2.70	1.53	0.06	0.06
		Mz	0.00	-0.15	1.87	0.00	0.00	0.00		Vy	-0.16	-0.16	0.16		
	Fu.C.6	My	0.00	0.00	0.00	0.00	0.00	0.00 T	**0.78**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	-0.18	1.88	0.00	0.00	0.00		Vy	-0.19	-0.19	0.19		
	Fu.C.7	My	0.00	0.00	0.00	0.00	0.00	0.00 T	0.71	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	**-0.20**	1.88	0.00	0.00	0.00		Vy	**-0.21**	**0.21**	**0.21**		
S15	Fu.C.1	My	**0.02**	0.00	0.00	**-0.09**	1.27	0.00 D	-2.59	Vz	**-0.02**	**-0.02**	**-0.02**	**-0.17**	**-0.17**

Staaf	**B.C.**	**Ward**	**Mb**	**Mmax**	**xMmax**	**Me**	**x-M0**	**x-M0 T/D**	**Nmax**	**W aa**	**Vb**	**Vmax**	**Ve**	**Mxb**	**Mxe**

										rd						
		Mz	0.00	-0.45	3.00	0.00	0.00	0.00		Vy	-0.30	-0.30	0.30		
	Fu.C.2	My	0.02	0.00	0.00	-0.09	1.27	0.00	D	**-5.24**	Vz	-0.02	-0.02	-0.02	-0.17	-0.17
		Mz	0.00	-0.37	3.00	0.00	0.00	0.00		Vy	-0.25	-0.25	0.25		
	Fu.C.4	My	0.02	0.00	0.00	-0.09	1.27	0.00	T	**1.83**	Vz	-0.02	-0.02	-0.02	-0.17	-0.17
		Mz	0.00	-0.45	3.00	0.00	0.00	0.00		Vy	-0.30	-0.30	0.30		
	Fu.C.7	My	0.00	0.00	0.00	0.00	0.00	0.00	T	0.78	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	**-0.51**	3.00	0.00	0.00	0.00		Vy	**-0.34**	**-0.34**	**0.34**		
S18	Fu.C.1	My	**-17.48**	0.00	0.00	**0.74**	1.92	0.00	D	-3.54	Vz	**9.11**	**9.11**	**9.11**	**-0.02**	**-0.02**
		Mz	0.36	0.00	0.00	0.00	0.00	0.00		Vy	-0.18	-0.18	-0.18		
	Fu.C.2	My	-17.48	0.00	0.00	0.74	1.92	0.00	D	-10.07	Vz	9.11	9.11	9.11	-0.02	-0.02
		Mz	**0.59**	0.00	0.00	0.00	0.00	0.00		Vy	**-0.29**	**-0.29**	**-0.29**		
	Fu.C.3	My	-17.48	0.00	0.00	0.74	1.92	0.00	T	**1.82**	Vz	9.11	9.11	9.11	-0.02	-0.02
		Mz	-0.11	0.00	0.00	0.00	0.00	0.00		Vy	0.05	0.05	0.05		
	Fu.C.4	My	-17.48	0.00	0.00	0.74	1.92	0.00	D	-1.49	Vz	9.11	9.11	9.11	-0.02	-0.02
		Mz	**-0.17**	0.00	0.00	0.00	0.00	0.00		Vy	**0.09**	**0.09**	**0.09**		
	Fu.C.6	My	0.00	0.00	0.00	0.00	0.00	0.00	D	**-10.90**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.03	0.00	0.00	0.00	0.00	0.00		Vy	-0.02	-0.02	-0.02		
S19	Fu.C.1	My	0.00	**-15.76**	3.70	**-3.20**	0.00	0.00	T	**4.05**	Vz	**-8.52**	**-8.52**	**7.61**	0.00	0.00
		Mz	0.00	0.00	0.00	-0.98	0.00	0.00		Vy	-0.14	-0.14	-0.14		
	Fu.C.2	My	0.00	-15.76	3.70	-3.20	0.00	0.00	D	-10.50	Vz	-8.52	-8.52	7.61	0.00	0.00
		Mz	0.00	0.00	0.00	**-1.98**	0.00	0.00		Vy	**-0.28**	**-0.28**	**-0.28**		
	Fu.C.4	My	0.00	-15.76	3.70	-3.20	0.00	0.00	T	2.74	Vz	-8.52	-8.52	7.61	0.00	0.00
		Mz	0.00	0.00	0.00	**0.69**	0.00	0.00		Vy	**0.10**	**0.10**	**0.10**		
	Fu.C.6	My	0.00	0.00	0.00	0.00	0.00	0.00	D	**-20.39**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.32	0.00	0.00		Vy	0.05	0.05	0.05		
S20	Fu.C.1	My	**-3.03**	0.00	0.00	**0.01**	0.40	0.00	T	**4.46**	Vz	**7.59**	**7.59**	**7.59**	**-0.09**	**-0.09**
		Mz	-0.98	0.00	0.00	0.00	0.00	0.00		Vy	2.45	2.45	2.45		
	Fu.C.2	My	-3.03	0.00	0.00	0.01	0.40	0.00	D	-8.60	Vz	7.59	7.59	7.59	-0.09	-0.09
		Mz	**-1.98**	0.00	0.00	0.00	0.00	0.00		Vy	**4.96**	**4.96**	**4.96**		
	Fu.C.4	My	-3.03	0.00	0.00	0.01	0.40	0.00	T	3.15	Vz	7.59	7.59	7.59	-0.09	-0.09
		Mz	**0.69**	0.00	0.00	0.00	0.00	0.00		Vy	**-1.73**	**-1.73**	**-1.73**		
	Fu.C.6	My	0.00	0.00	0.00	0.00	0.00	0.00	D	**-18.11**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.32	0.00	0.00	0.00	0.00	0.00		Vy	-0.81	-0.81	-0.81		
S22	Fu.C.1	My	**-10.39**	0.00	0.00	**0.01**	1.00	0.00	T	4.80	Vz	**10.39**	**10.39**	**10.39**	**0.00**	**0.00**
		Mz	0.85	0.00	0.00	0.00	0.00	0.00		Vy	-0.85	-0.85	-0.85		
	Fu.C.7	My	-10.39	0.00	0.00	0.01	1.00	0.00	T	**5.44**	Vz	10.39	10.39	10.39	0.00	0.00
		Mz	1.15	0.00	0.00	0.00	0.00	0.00		Vy	-1.15	-1.15	-1.15		
	Fu.C.2	My	-10.39	0.00	0.00	0.01	1.00	0.00	T	1.67	Vz	10.39	10.39	10.39	0.00	0.00
		Mz	**1.36**	0.00	0.00	0.00	0.00	0.00		Vy	**-1.36**	**-1.36**	**-1.36**		
	Fu.C.4	My	-10.39	0.00	0.00	0.01	1.00	0.00	D	-10.36	Vz	10.39	10.39	10.39	0.00	0.00
		Mz	**-0.39**	0.00	0.00	0.00	0.00	0.00		Vy	**0.39**	**0.39**	**0.39**		
	Fu.C.6	My	-10.39	0.00	0.00	0.01	1.00	0.00	D	**-14.11**	Vz	10.39	10.39	10.39	0.00	0.00
		Mz	-0.25	0.00	0.00	0.00	0.00	0.00		Vy	0.25	0.25	0.25		
S23	Fu.C.1	My	0.00	-0.89	1.36	1.31	2.72	0.00	D	-7.93	Vz	-1.31	2.06	2.06	**-0.01**	**-0.01**
		Mz	**0.46**	0.00	0.00	**-0.10**	2.90	0.00		Vy	**-0.16**	**-0.16**	**-0.16**		
	Fu.C.1	My	0.00	**-1.27**	1.38	1.73	2.76	0.00	D	-6.10	Vz	**-1.85**	2.84	2.84	-0.01	-0.01
		Mz	0.46	0.00	0.00	-0.10	2.90	0.00		Vy	-0.16	-0.16	-0.16		

Staaf	B.C.	Ward	Mb	Mmax	xMmax	Me	x-M0	x-M0	T/D	Nmax	Waa	Vb	Vmax	Ve	Mxb	Mxe

									rd						
S23	Fu.C.1	My	0.00	-1.25	1.37	**1.80**	2.73	0.00 D	-10.74	Vz	-1.83	**2.86**	**2.86**	-0.01	-0.01
		Mz	0.46	0.00	0.00	-0.10	2.90	0.00		Vy	-0.16	-0.16	-0.16		
	Fu.C.2	My	0.00	0.00	0.00	0.21	0.00	0.00 D	**-13.52**	Vz	0.04	0.08	0.08	-0.01	-0.01
		Mz	0.46	0.00	0.00	-0.10	2.90	0.00		Vy	-0.16	-0.16	-0.16		
	Fu.C.4	My	0.00	0.74	1.38	-1.00	2.76	0.00 T	**4.38**	Vz	1.07	-1.64	-1.64	-0.01	-0.01
		Mz	0.46	0.00	0.00	-0.10	2.90	0.00		Vy	-0.16	-0.16	-0.16		
	Fu.C.5	My	0.00	**2.10**	1.41	-2.48	2.83	0.00 D	-1.27	Vz	**2.97**	-4.39	-4.39	-0.01	-0.01
		Mz	0.46	0.00	0.00	-0.10	2.90	0.00		Vy	-0.16	-0.16	-0.16		
	Fu.C.5	My	0.00	2.05	1.40	**-2.59**	2.79	0.00 D	-1.14	Vz	2.94	**-4.42**	**-4.42**	-0.01	-0.01
		Mz	0.46	0.00	0.00	-0.10	2.90	0.00		Vy	-0.16	-0.16	-0.16		
S24	Fu.C.1	My	1.31	-0.89	2.14	0.00	0.78	0.00 D	-8.83	Vz	-2.06	-2.06	1.31	0.00	0.00
		Mz	**-0.14**	0.00	0.00	0.00	0.00	0.00		Vy	**0.04**	**0.04**	**0.04**		
	Fu.C.1	My	1.73	**-1.27**	2.12	0.00	0.74	0.00 D	-7.00	Vz	-2.84	-2.84	**1.85**	0.00	0.00
		Mz	-0.14	0.00	0.00	0.00	0.00	0.00		Vy	0.04	0.04	0.04		
	Fu.C.1	My	**1.80**	-1.25	2.13	0.00	0.77	0.00 D	-11.49	Vz	**-2.86**	**-2.86**	1.83	0.00	0.00
		Mz	-0.14	0.00	0.00	0.00	0.00	0.00		Vy	0.04	0.04	0.04		
	Fu.C.2	My	0.21	0.00	0.00	0.00	0.00	0.00 D	**-14.27**	Vz	-0.08	-0.08	-0.04	0.00	0.00
		Mz	-0.14	0.00	0.00	0.00	0.00	0.00		Vy	0.04	0.04	0.04		
	Fu.C.4	My	-1.00	0.74	2.12	0.00	0.74	0.00 T	**3.48**	Vz	1.64	1.64	-1.07	0.00	0.00
		Mz	-0.14	0.00	0.00	0.00	0.00	0.00		Vy	0.04	0.04	0.04		
	Fu.C.5	My	-2.48	**2.10**	2.09	0.00	0.67	0.00 D	-2.17	Vz	4.39	4.39	**-2.97**	0.00	0.00
		Mz	-0.14	0.00	0.00	0.00	0.00	0.00		Vy	0.04	0.04	0.04		
	Fu.C.5	My	**-2.59**	2.05	2.10	0.00	0.71	0.00 D	-1.89	Vz	**4.42**	**4.42**	-2.94	0.00	0.00
		Mz	-0.14	0.00	0.00	0.00	0.00	0.00		Vy	0.04	0.04	0.04		
S25	Fu.C.1	My	0.00	0.00	0.00	**-29.67**	0.00	0.00 T	**1.71**	Vz	**-12.51**	**-12.51**	**-4.44**	**-0.01**	**-0.01**
		Mz	0.00	0.00	0.00	-0.04	0.00	0.00		Vy	-0.01	-0.01	-0.01		
	Fu.C.2	My	0.00	0.00	0.00	-29.67	0.00	0.00 D	-1.34	Vz	-12.51	-12.51	-4.44	-0.01	-0.01
		Mz	0.00	0.00	0.00	**-0.13**	0.00	0.00		Vy	**-0.04**	**-0.04**	**-0.04**		
	Fu.C.4	My	0.00	0.00	0.00	-29.67	0.00	0.00 D	-16.92	Vz	-12.51	-12.51	-4.44	-0.01	-0.01
		Mz	0.00	0.00	0.00	**0.02**	0.00	0.00		Vy	**0.00**	**0.00**	**0.00**		
	Fu.C.6	My	0.00	0.00	0.00	-29.67	0.00	0.00 D	**-19.99**	Vz	-12.51	-12.51	-4.44	-0.01	-0.01
		Mz	0.00	0.00	0.00	-0.03	0.00	0.00		Vy	-0.01	-0.01	-0.01		
S26	Fu.C.1	My	**-29.58**	**-29.64**	0.22	**-17.25**	0.00	0.00 D	-5.02	Vz	**-0.51**	**7.56**	**7.56**	**0.01**	**0.01**
		Mz	-0.04	0.00	0.00	0.36	0.35	0.00		Vy	0.11	0.11	0.11		
	Fu.C.2	My	-29.58	-29.64	0.22	-17.25	0.00	0.00 D	-11.30	Vz	-0.51	7.56	7.56	0.01	0.01
		Mz	**-0.13**	0.00	0.00	**0.59**	0.63	0.00		Vy	**0.20**	**0.20**	**0.20**		
	Fu.C.4	My	-29.58	-29.64	0.22	-17.25	0.00	0.00 D	-6.60	Vz	-0.51	7.56	7.56	0.01	0.01
		Mz	**0.02**	0.00	0.00	**-0.17**	0.32	0.00		Vy	**-0.05**	**-0.05**	**-0.05**		
	Fu.C.6	My	0.00	0.00	0.00	0.00	0.00	0.00 D	**-12.47**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	-0.01	0.00	0.00	0.03	0.66	0.00		Vy	0.01	0.01	0.01		
S27	Fu.C.1	My	0.00	0.00	0.00	**-26.92**	0.00	0.00 D	-5.47	Vz	**-7.69**	**-7.69**	**-7.69**	**0.01**	**0.01**
		Mz	0.00	0.00	0.00	-0.17	0.00	0.00		Vy	-0.05	-0.05	-0.05		
	Fu.C.2	My	0.00	0.00	0.00	-26.92	0.00	0.00 D	-6.84	Vz	-7.69	-7.69	-7.69	0.01	0.01
		Mz	0.00	0.00	0.00	**-0.34**	0.00	0.00		Vy	**-0.10**	**-0.10**	**-0.10**		
	Fu.C.2	My	0.00	0.00	0.00	-26.92	0.00	0.00 D	**-18.94**	Vz	-7.69	-7.69	-7.69	0.01	0.01
		Mz	0.00	0.00	0.00	-0.19	0.00	0.00		Vy	-0.05	-0.05	-0.05		
Staaf	**B.C.**	**Ward**	**Mb**	**Mmax**	**xMmax**	**Me**	**x-M0**	**x-M0 T/D**	**Nmax**	**Waa**	**Vb**	**Vmax**	**Ve**	**Mxb**	**Mxe**

									rd					
S27	Fu.C.4	My	0.00	0.00	0.00	-26.92	0.00	0.00 D	-6.55 Vz	-7.69	-7.69	-7.69	0.01	0.01
		Mz	0.00	0.00	0.00	**0.07**	0.00	0.00	Vy	**0.02**	**0.02**	**0.02**		
S28	Fu.C.1	My	**-26.96**	0.00	0.00	**-10.21**	0.00	0.00 T	8.08 Vz	**4.79**	**4.79**	**4.79**	**0.00**	**0.00**
		Mz	-0.17	0.00	0.00	0.85	0.59	0.00	Vy	0.29	0.29	0.29		
	Fu.C.1	My	-26.96	0.00	0.00	-10.21	0.00	0.00 T	**10.60** Vz	4.79	4.79	4.79	0.00	0.00
		Mz	-0.24	0.00	0.00	1.18	0.59	0.00	Vy	0.40	0.40	0.40		
	Fu.C.2	My	-26.96	0.00	0.00	-10.21	0.00	0.00 T	6.97 Vz	4.79	4.79	4.79	0.00	0.00
		Mz	**-0.34**	0.00	0.00	**1.36**	0.70	0.00	Vy	**0.48**	**0.48**	**0.48**		
	Fu.C.4	My	-26.96	0.00	0.00	-10.21	0.00	0.00 D	-11.49 Vz	4.79	4.79	4.79	0.00	0.00
		Mz	**0.07**	0.00	0.00	**-0.39**	0.51	0.00	Vy	**-0.13**	**-0.13**	**-0.13**		
	Fu.C.6	My	-26.96	0.00	0.00	-10.21	0.00	0.00 D	**-15.47** Vz	4.79	4.79	4.79	0.00	0.00
		Mz	-0.01	0.00	0.00	-0.25	0.00	0.00	Vy	-0.07	-0.07	-0.07		
S29	Fu.C.1	My	**0.03**	**-2.82**	1.45	**4.35**	0.01	2.89 D	-7.53 Vz	**-3.93**	**6.24**	**6.24**	**-0.09**	**-0.09**
		Mz	0.00	0.18	1.88	0.00	0.00	0.00	Vy	0.19	**0.19**	-0.19		
	Fu.C.5	My	0.03	-2.82	1.45	4.35	0.01	2.89 D	**-12.72** Vz	-3.93	6.24	6.24	-0.09	-0.09
		Mz	0.00	0.18	1.88	0.00	0.00	0.00	Vy	0.19	0.19	-0.19		
	Fu.C.7	My	0.00	0.00	0.00	0.00	0.00	0.00 D	-0.04 Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	**0.20**	1.88	0.00	0.00	0.00	Vy	**0.21**	**-0.21**	**-0.21**		
S30	Fu.C.1	My	**4.34**	**-2.84**	2.30	**0.01**	0.85	3.75 T	4.13 Vz	**-6.24**	**-6.24**	**3.93**	**-0.04**	**-0.04**
		Mz	0.00	0.18	1.88	0.00	0.00	0.00	Vy	0.19	**0.19**	-0.19		
	Fu.C.1	My	4.34	-2.84	2.30	0.01	0.85	3.75 T	**5.71** Vz	-6.24	-6.24	3.93	-0.04	-0.04
		Mz	0.00	0.15	1.88	0.00	0.00	0.00	Vy	0.16	0.16	-0.16		
	Fu.C.5	My	4.34	-2.84	2.30	0.01	0.85	3.75 D	**-8.84** Vz	-6.24	-6.24	3.93	-0.04	-0.04
		Mz	0.00	0.15	1.87	0.00	0.00	0.00	Vy	0.16	-0.16	-0.16		
	Fu.C.7	My	0.00	0.00	0.00	0.00	0.00	0.00 T	0.01 Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	**0.20**	1.88	0.00	0.00	0.00	Vy	**0.21**	**-0.21**	**-0.21**		
S31	Fu.C.1	My	0.00	8.77	1.46	0.00	3.18	0.00 D	-11.99 Vz	11.92	11.92	5.47	0.00	0.00
		Mz	**0.01**	0.00	0.00	**-0.01**	2.50	2.50	Vy	**-0.01**	**-0.01**	**-0.01**		
	Fu.C.7	My	0.00	**9.63**	1.56	0.00	3.28	0.00 D	-14.57 Vz	**12.49**	12.49	5.75	0.00	0.00
		Mz	0.01	0.00	0.00	-0.01	2.50	2.50	Vy	-0.01	-0.01	-0.01		
	Fu.C.1	My	0.00	8.27	1.56	0.00	3.27	0.00 D	**-15.37** Vz	10.57	10.57	5.72	0.00	0.00
		Mz	0.01	0.00	0.00	-0.01	2.50	2.50	Vy	-0.01	-0.01	-0.01		
	Fu.C.2	My	0.00	-7.00	2.92	0.00	1.65	0.00 D	-11.11 Vz	6.66	**18.94**	**18.94**	0.00	0.00
		Mz	0.01	0.00	0.00	-0.01	2.50	2.50	Vy	-0.01	-0.01	-0.01		
	Fu.C.3	My	0.00	-4.19	0.89	0.00	2.24	0.00 T	0.00 Vz	-10.42	-10.42	**-5.63**	0.00	0.00
		Mz	0.01	0.00	0.00	-0.01	2.50	2.50	Vy	-0.01	-0.01	-0.01		
	Fu.C.5	My	0.00	-7.72	1.35	0.00	0.00	0.00 T	**0.03** Vz	-13.20	-13.20	2.66	0.00	0.00
		Mz	0.01	0.00	0.00	-0.01	2.50	2.50	Vy	-0.01	-0.01	-0.01		
	Fu.C.6	My	0.00	-10.97	1.25	0.00	0.00	0.00 T	0.01 Vz	**-19.99**	**-19.99**	1.37	0.00	0.00
		Mz	0.01	0.00	0.00	-0.01	2.50	2.50	Vy	-0.01	-0.01	-0.01		
	Fu.C.6	My	0.00	**-11.83**	1.88	0.00	0.00	0.00 T	0.00 Vz	-13.67	-13.67	13.25	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	Vy	0.00	0.00	0.00		
S32	Fu.C.1	My	0.00	0.00	0.00	0.00	0.00	0.00 T	**21.04** Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	Vy	0.00	0.00	0.00		
S33	Fu.C.5	My	0.00	0.00	0.00	0.00	0.00	0.00 T	**17.40** Vz	0.00	0.01	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00	Vy	0.00	0.00	0.00		

Staaf	B.C.	Ward	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax Waa	Vb	Vmax	Ve	Mxb	Mxe

									rd						
S33	Fu.C.6	My	0.00	0.00	0.00	0.00	0.00	0.00 T	0.03	Vz	0.00	**0.44**	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S34	Fu.C.2	My	0.00	0.00	0.00	0.00	0.00	0.00 T	**16.04**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S35	Fu.C.4	My	0.00	0.00	0.00	0.00	0.00	0.00 T	**8.92**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S36	Fu.C.4	My	0.00	0.00	0.00	0.00	0.00	0.00 T	**8.54**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S37	Fu.C.2	My	0.00	0.00	0.00	0.00	0.00	0.00 T	**35.68**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S38	Fu.C.1	My	0.00	0.00	0.00	10.48	0.00	0.00 D	**-3.14**	Vz	5.99	5.99	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	**0.00**	0.00	0.00		Vy	**0.00**	**0.00**	**0.00**		
	Fu.C.1	My	0.00	0.00	0.00	**16.34**	0.00	0.00 D	-1.54	Vz	**9.33**	**9.33**	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
	Fu.C.4	My	0.00	0.00	0.00	**-4.73**	0.00	0.00 D	-1.67	Vz	**-2.70**	**-2.70**	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
	Fu.C.6	My	0.00	0.00	0.00	0.00	0.00	0.00 T	**3.76**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S39	Fu.C.1	My	10.48	0.00	0.00	0.00	0.00	0.00 D	**-2.43**	Vz	0.00	-5.99	-5.99	0.00	0.00
		Mz	**0.00**	0.00	0.00	**-0.01**	0.70	0.00		Vy	**0.00**	**0.00**	**0.00**		
	Fu.C.1	My	**16.34**	0.00	0.00	0.00	0.00	0.00 D	-0.83	Vz	0.00	**-9.33**	**-9.33**	0.00	0.00
		Mz	0.00	0.00	0.00	-0.01	0.70	0.00		Vy	0.00	0.00	0.00		
	Fu.C.4	My	**-4.73**	0.00	0.00	0.00	0.00	0.00 D	-0.96	Vz	0.00	**2.70**	**2.70**	0.00	0.00
		Mz	0.00	0.00	0.00	-0.01	0.70	0.00		Vy	0.00	0.00	0.00		
	Fu.C.6	My	0.00	0.00	0.00	0.00	0.00	0.00 T	**4.47**	Vz	0.00	0.00	0.00	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S40	Fu.C.1	My	1.86	0.00	0.00	0.05	0.00	0.00 D	-2.41	Vz	-1.40	-1.40	-0.49	**-0.01**	**-0.01**
		Mz	**5.86**	0.00	0.00	**-2.80**	1.56	0.00		Vy	**-3.76**	**-3.76**	**-3.76**		
	Fu.C.6	My	0.37	**0.34**	1.44	0.33	0.00	0.00 D	-4.03	Vz	-0.31	-0.31	-0.03	-0.01	-0.01
		Mz	5.86	0.00	0.00	-2.80	1.56	0.00		Vy	-3.76	-3.76	-3.76		
	Fu.C.1	My	-7.46	0.00	0.00	4.58	1.17	0.00 D	**-10.39**	Vz	7.60	7.60	2.86	-0.01	-0.01
		Mz	5.86	0.00	0.00	-2.80	1.56	0.00		Vy	-3.76	-3.76	-3.76		
	Fu.C.2	My	-6.89	0.00	0.00	**4.93**	1.08	0.00 D	-8.70	Vz	7.51	7.51	2.77	-0.01	-0.01
		Mz	5.86	0.00	0.00	-2.80	1.56	0.00		Vy	-3.76	-3.76	-3.76		
	Fu.C.3	My	**1.98**	0.00	0.00	-1.42	1.15	0.00 T	1.54	Vz	**-1.97**	**-1.97**	**-0.98**	-0.01	-0.01
		Mz	5.86	0.00	0.00	-2.80	1.56	0.00		Vy	-3.76	-3.76	-3.76		
	Fu.C.4	My	1.97	0.00	0.00	-1.42	1.14	0.00 T	**2.78**	Vz	-1.97	-1.97	-0.98	-0.01	-0.01
		Mz	5.86	0.00	0.00	-2.80	1.56	0.00		Vy	-3.76	-3.76	-3.76		
	Fu.C.4	My	1.86	0.00	0.00	**-1.49**	1.08	0.00 T	2.45	Vz	-1.95	-1.95	-0.96	-0.01	-0.01
		Mz	5.86	0.00	0.00	-2.80	1.56	0.00		Vy	-3.76	-3.76	-3.76		
	Fu.C.6	My	**-9.63**	0.00	0.00	4.86	1.28	0.00 D	-3.26	Vz	**9.09**	**9.09**	**3.51**	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00		Vy	0.00	0.00	0.00		
S41	Fu.C.1	My	0.05	-0.44	2.01	0.00	0.11	0.00 D	-1.97	Vz	-0.49	-0.49	0.46	**-0.01**	**-0.01**
		Mz	**-2.80**	0.00	0.00	**1.44**	2.58	0.00		Vy	**1.08**	**1.08**	**1.08**		
	Fu.C.1	My	4.58	6.56	1.39	0.00	0.00	0.00 D	**-9.71**	Vz	2.86	-5.20	-5.20	-0.01	-0.01
		Mz	-2.80	0.00	0.00	1.44	2.58	0.00		Vy	1.08	1.08	1.08		

Staaf	B.C.	Ward	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Waa	Vb	Vmax	Ve	Mxb	Mxe

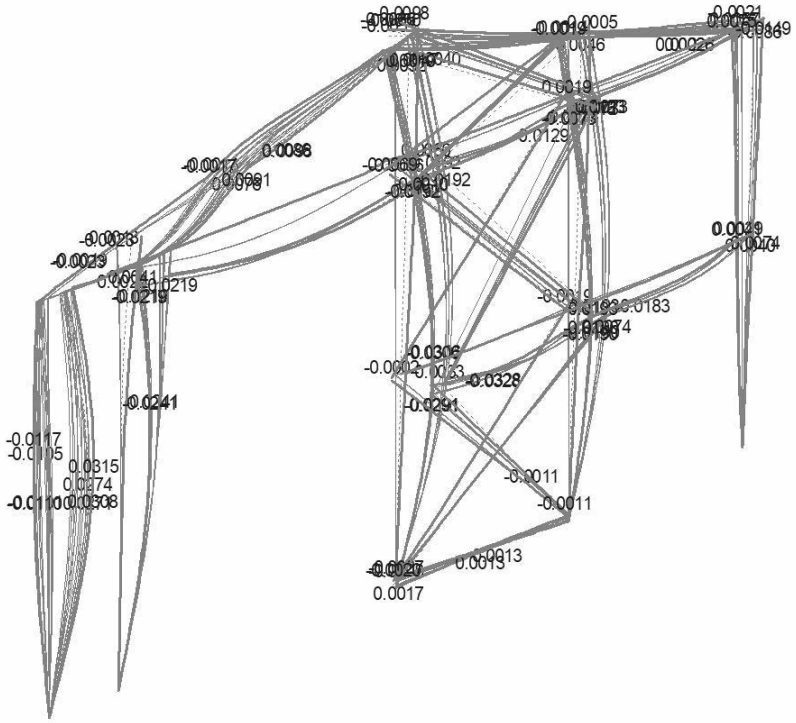
										rd					
S41	Fu.C.2	My	**4.93**	6.79	1.34	0.00	0.00	0.00	D	-8.02	Vz	2.77	-5.29	-5.29	-0.01	-0.01
		Mz	-2.80	0.00	0.00	1.44	2.58	0.00			Vy	1.08	1.08	1.08		
	Fu.C.3	My	-1.42	-2.53	2.11	0.00	0.00	0.00	T	2.28	Vz	**-0.98**	2.81	2.81	-0.01	-0.01
		Mz	-2.80	0.00	0.00	1.44	2.58	0.00			Vy	1.08	1.08	1.08		
	Fu.C.4	My	-0.85	-1.76	2.26	0.00	0.00	0.00	T	**3.75**	Vz	-0.60	2.13	2.13	-0.01	-0.01
		Mz	-2.80	0.00	0.00	1.44	2.58	0.00			Vy	1.08	1.08	1.08		
	Fu.C.4	My	**-1.49**	**-2.56**	2.10	0.00	0.00	0.00	T	3.20	Vz	-0.96	**2.82**	**2.82**	-0.01	-0.01
		Mz	-2.80	0.00	0.00	1.44	2.58	0.00			Vy	1.08	1.08	1.08		
	Fu.C.6	My	4.86	7.39	1.44	0.00	0.00	0.00	D	-1.77	Vz	**3.51**	-5.99	-5.99	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00			Vy	0.00	0.00	0.00		
	Fu.C.6	My	4.86	**7.39**	1.44	0.00	0.00	0.00	D	-1.77	Vz	3.50	**-5.99**	**-5.99**	0.00	0.00
		Mz	0.00	0.00	0.00	0.00	0.00	0.00			Vy	0.00	0.00	0.00		

FU.C. EXTREME OPLEGREACTIES ANALYSE

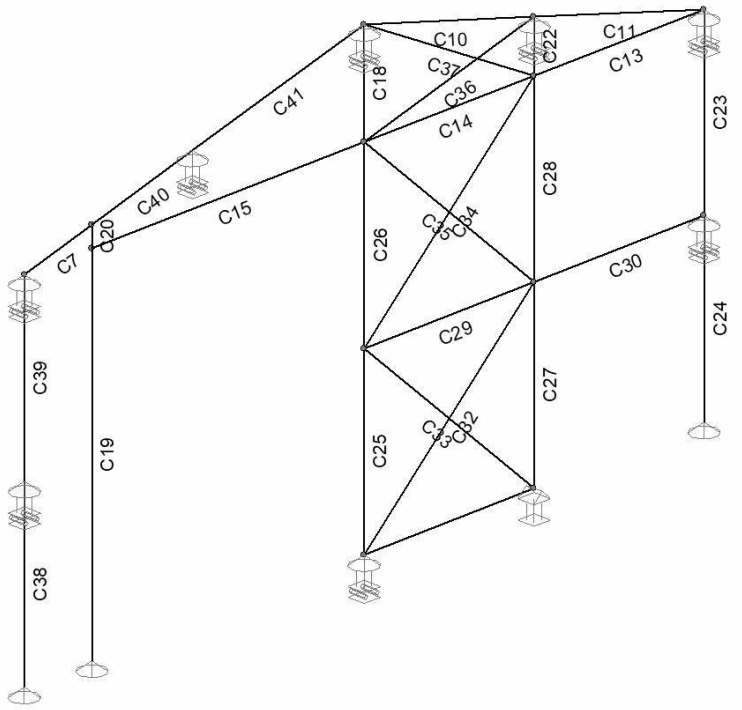
Oplegging	Knoop	B.C.	Xmax	Y	Z	B.C.	Ymax	X	Z	B.C.	Zmax	X	Y
O1	K1	Fu.C.4	**2.70**	0.00	-1.60					Fu.C.65	**3.05**	0.00	0.00
O1	K1	Fu.C.1	**-9.33**	0.00	-1.54	Fu.C.1	**0.00**	-5.99	-3.14	Fu.C.1	**-3.14**	-5.99	0.00
O2	K5	Fu.C.5	**2.97**	0.04	-2.17	Fu.C.1	**0.04**	-1.31	-8.83	Fu.C.42	**2.77**	1.07	0.04
O2	K5	Fu.C.1	**-1.85**	0.04	-7.00					Fu.C.24	**-14.27**	0.04	0.04
O3	K7	Fu.C.2	**0.28**	-8.52	-10.50					Fu.C.1	**2.07**	0.14	-8.52
O3	K7	Fu.C.4	**-0.10**	-8.52	0.76	Fu.C.1	**-8.52**	0.14	2.07	Fu.C.65	**-20.39**	-0.05	0.00
O4	K9	Fu.C.5	**12.75**	-7.70	0.00								
O4	K9	Fu.C.1	**-15.30**	-7.70	0.00	Fu.C.1	**-7.70**	-11.94	0.00				
O5	K3						**-7.51**						
						Fu.C.3		0.00	0.00				
O6	K2					Fu.C.1	**-3.83**	0.00	0.00				
O7	K4					Fu.C.1	**-1.65**	0.00	0.00				
O8	K10					Fu.C.1	**-11.28**	0.00	0.00				
O9	K6					Fu.C.1	**-12.51**	0.00	0.00				
O10	K16					Fu.C.1	**-4.13**	0.00	0.00				
O11	K22					Fu.C.1	**0.00**	0.00	0.00				
O12	K24					Fu.C.1	**-4.85**	0.00	0.00				
Globale extreme waarden													
O4	K9	Fu.C.55	**12.75**	-7.70	0.00								
O4	K9	Fu.C.16	**-15.30**	-7.70	0.00								
O2	K5					Fu.C.1	**0.04**	-1.31	-8.83				
O9	K6					Fu.C.1	**-12.51**	0.00	0.00				
O1	K1									Fu.C.65	**3.05**	0.00	0.00
O3	K7									Fu.C.65	**-20.39**	-0.05	0.00

FU.C. EXTREME OPLEGREACTIES (MOMENTEN) ANALYSE

Oplegging	Knoop	B.C.	Mxmax	MY	MZ	B.C.	Mymax	MX	MZ	B.C.	Mzmax	MX	MY
O4	K9										Fu.C.1	**0,02**	
0,00	0,00												
Globale extreme waarden													
O4	K9									Fu.C.1	**0.02**	0.00	0.00


-0.0241
-0.0328
-0.0291
-0.0011
-0.0011
0.0017

AFB. STAALDEFINITIE



KNIKLENGTEGEGEVENS

Staaf	Profiel	Lokale Y-as				Lokale Z-as			
		Lsys	methode	Lbuc	Lbuc/Lsys	methode	Lbuc	Lbuc/Lsys
C7 - V1 (0.000-1.552)	P2	1.550	Cons.	1.552	1.00	Cons.	1.552	1.00
C10 - V1 (0.000-3.881)	P2	3.880	gesch. Cons.	3.881	1.00	gesch. Cons.	3.881	1.00
C11 - V1 (0.000-3.881)	P2	3.880	gesch. Cons.	3.881	1.00	gesch. Cons.	3.881	1.00
C13 - V1 (0.000-3.750)	P6	3.750	gesch. Cons.	3.750	1.00	gesch. Cons.	3.750	1.00
C14 - V1 (0.000-3.750)	P6	3.750	gesch. Cons.	3.750	1.00	gesch. Cons.	3.750	1.00
C15 - V1 (0.000-6.000)	P6	6.000	gesch. Cons.	6.000	1.00	gesch. Cons.	6.000	1.00
C18 - V1 (0.000-2.000)	P3	2.000	gesch. Cons.	2.000	1.00	gesch. Cons.	2.000	1.00
C19 - V1 (0.000-7.000)	P3	7.000	gesch. Cons.	7.000	1.00	gesch. Cons.	7.000	1.00
C20 - V1 (0.000-0.400)	P3	0.400	gesch. Cons.	0.400	1.00	gesch. Cons.	0.400	1.00
C22 - V1 (0.000-1.000)	P3	1.000	gesch. Cons.	1.000	1.00	gesch. Cons.	1.000	1.00
C23 - V1 (0.000-3.500)	P2	3.500	gesch. Cons.	3.500	1.00	gesch. Cons.	3.500	1.00
C24 - V1 (0.000-3.500)	P2	3.500	gesch. Cons.	3.500	1.00	gesch. Cons.	3.500	1.00
C25 - V1 (0.000-3.500)	P3	3.500	gesch. Handmatig	9.000	2.57	gesch. Cons.	3.500	1.00
C26 - V1 (0.000-3.500)	P3	3.500	e Invoer Handmatig	9.000	2.57	gesch. Cons.	3.500	1.00
C27 - V1 (0.000-3.500)	P3	3.500	e Invoer Handmatig	9.000	2.57	gesch. Cons.	3.500	1.00

			e Invoer			gesch.		
Staaf	**Profiel**		**Lokale Y-as**				**Lokale Z-as**	
		Lsys	**methode**	**Lbuc**	**Lbuc/Lsys**	**methode**	**Lbuc**	**Lbuc/Lsys**
C28 - V1 (0.000-3.500)	P3	3.500	Handmatig	9.000	2.57	Cons.	3.500	1.00
			e Invoer			gesch.		
C29 - V1 (0.000-3.750)	P6	3.750	Cons.	3.750	1.00	Cons.	3.750	1.00
			gesch.			gesch.		
C30 - V1 (0.000-3.750)	P6	3.750	Cons.	3.750	1.00	Cons.	3.750	1.00
			gesch.			gesch.		
C38 - V1 (0.000-3.500)	P2	3.500	Cons.	3.500	1.00	Cons.	3.500	1.00
			gesch.			gesch.		
C39 - V1 (0.000-3.500)	P2	3.500	Cons.	3.500	1.00	Cons.	3.500	1.00
			gesch.			gesch.		
C40 - V1 (0.000-2.300)	P2	2.300	Cons.	2.300	1.00	Cons.	2.300	1.00
			gesch.			gesch.		
C41 - V1 (0.000-3.910)	P2	3.910	Cons.	3.910	1.00	Cons.	3.910	1.00
			gesch.			gesch.		

KIPSTEUNENGEGEVENS

Staaf	**Profiel**	**Begin:**	**Eind:**	**Kipsteunen boven**	**Kipsteunen onder**	**Aangrijphoogte**
C7 - V1 (0.000-1.552)	P2	Gesteund	Gesteund			Centrum
C10 - V1 (0.000-3.881)	P2	Gesteund	Gesteund			Centrum
C11 - V1 (0.000-3.881)	P2	Gesteund	Gesteund			Centrum
C13 - V1 (0.000-3.750)	P6	Gesteund	Gesteund			Centrum
C14 - V1 (0.000-3.750)	P6	Gesteund	Gesteund			Centrum
C15 - V1 (0.000-6.000)	P6	Gesteund	Gesteund			Centrum
C18 - V1 (0.000-2.000)	P3	Gesteund	Gesteund			Centrum
C19 - V1 (0.000-7.000)	P3	Gesteund	Gesteund			Centrum
C20 - V1 (0.000-0.400)	P3	Gesteund	Gesteund			Centrum
C22 - V1 (0.000-1.000)	P3	Gesteund	Gesteund			Centrum
C23 - V1 (0.000-3.500)	P2	Gesteund	Gesteund			Centrum
C24 - V1 (0.000-3.500)	P2	Gesteund	Gesteund			Centrum
C25 - V1 (0.000-3.500)	P3	Gesteund	Gesteund			Centrum
C26 - V1 (0.000-3.500)	P3	Gesteund	Gesteund			Centrum
C27 - V1 (0.000-3.500)	P3	Gesteund	Gesteund			Centrum
C28 - V1 (0.000-3.500)	P3	Gesteund	Gesteund			Centrum
C29 - V1 (0.000-3.750)	P6	Gesteund	Gesteund			Centrum
C30 - V1 (0.000-3.750)	P6	Gesteund	Gesteund			Centrum
C38 - V1 (0.000-3.500)	P2	Gesteund	Gesteund			Centrum
C39 - V1 (0.000-3.500)	P2	Gesteund	Gesteund			Centrum
C40 - V1 (0.000-2.300)	P2	Gesteund	Gesteund			Centrum
C41 - V1 (0.000-3.910)	P2	Gesteund	Gesteund			Centrum

DOORBUIGINGGEGEVENS

Staaf	**Constructietype**	**Toetsing**	**Zeeg Y'**	**Zeeg Z'**	**Zeegvorm**	**w;max**	**w;2+w;3**
C40 - V1 (0.000-2.300)		Dak	Algemeen	0	0	Parabolisch	L/250 L/250
C41 - V1 (0.000-3.910)		Dak	Algemeen	0	0	Parabolisch	L/250 L/250

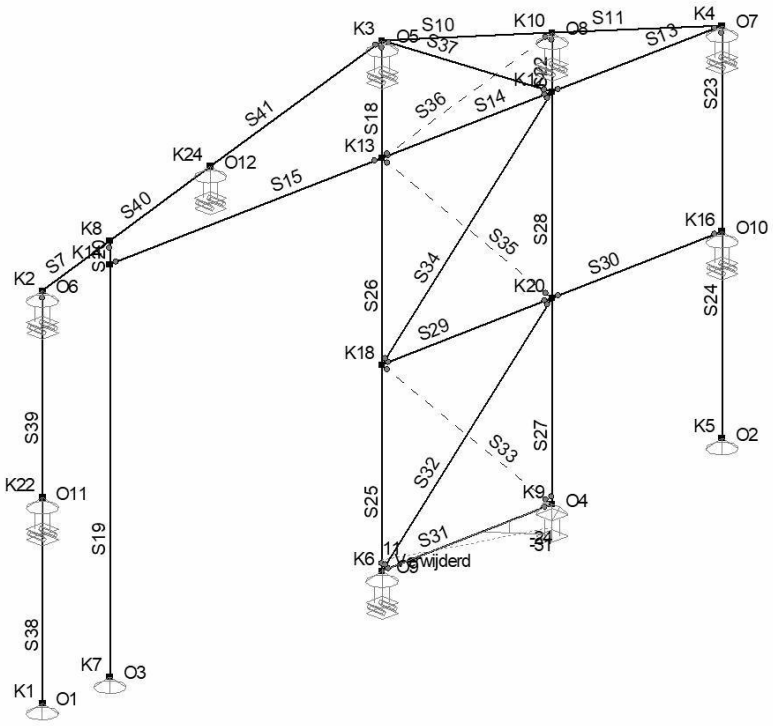
UC'S PER CONSTRUCTIEDEEL NEN-EN1993-1-1:2016/NB:2016

Label	**Toetsing**	**Combinatie**	**Artikel**	**UC max**
C7	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,73
	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.46)	0,02
	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.46)	0,02
	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.61&6.62)	0,67
	Kiptoetsing	Fu.C.1	NEN-EN1993-1-1(6.54)	0,73
C10	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,17
	Stabiliteit	Fu.C.24	NEN-EN1993-1-1(6.46)	0,08
	Stabiliteit	Fu.C.24	NEN-EN1993-1-1(6.46)	0,34
	Stabiliteit	Fu.C.24	NEN-EN1993-1-1(6.61&6.62)	0,60
	Kiptoetsing	Fu.C.7	NEN-EN1993-1-1(6.54)	0,17
C11	Doorsnede	Fu.C.7	NEN-EN1993-1-1(6.12)	0,14
	Stabiliteit	Fu.C.24	NEN-EN1993-1-1(6.46)	0,08

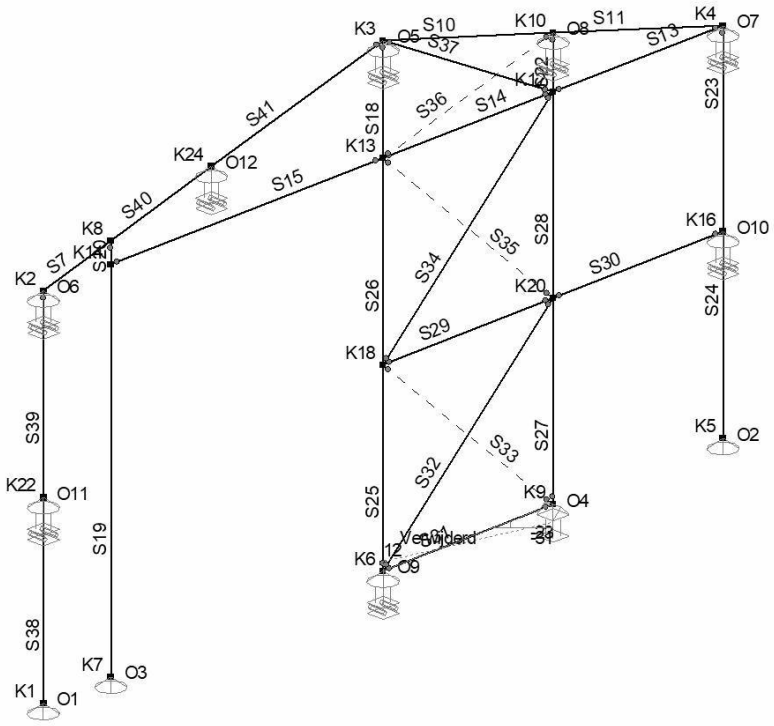
	Stabiliteit	Fu.C.24	NEN-EN1993-1-1(6.46)	0,36
	Stabiliteit	Fu.C.24	NEN-EN1993-1-1(6.61&6.62)	0,59
Label	**Toetsing**	**Combinatie**	**Artikel**	**UC max**
	Kiptoetsing	Fu.C.8	NEN-EN1993-1-1(6.54)	0,18
C13	Doorsnede	Fu.C.24	NEN-EN1993-1-1(6.1)	0,39
	Stabiliteit	Fu.C.48	NEN-EN1993-1-1(6.46)	0,10
	Stabiliteit	Fu.C.48	NEN-EN1993-1-1(6.46)	0,18
	Stabiliteit	Fu.C.48	NEN-EN1993-1-1(6.61&6.62)	0,26
	Kiptoetsing	Fu.C.64	NEN-EN1993-1-1(6.54)	0,00
C14	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.31)	0,21
	Stabiliteit	Fu.C.48	NEN-EN1993-1-1(6.46)	0,09
	Stabiliteit	Fu.C.48	NEN-EN1993-1-1(6.46)	0,17
	Stabiliteit	Fu.C.48	NEN-EN1993-1-1(6.61&6.62)	0,25
	Kiptoetsing	Fu.C.64	NEN-EN1993-1-1(6.54)	0,00
C15	Doorsnede	Fu.C.7	NEN-EN1993-1-1(6.1)	0,09
	Stabiliteit	Fu.C.24	NEN-EN1993-1-1(6.46)	0,08
	Stabiliteit	Fu.C.24	NEN-EN1993-1-1(6.46)	0,16
	Stabiliteit	Fu.C.24	NEN-EN1993-1-1(6.61&6.62)	0,21
	Kiptoetsing	Fu.C.64	NEN-EN1993-1-1(6.54)	0,00
C18	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,26
	Stabiliteit	Fu.C.24	NEN-EN1993-1-1(6.46)	0,01
	Stabiliteit	Fu.C.24	NEN-EN1993-1-1(6.46)	0,02
	Stabiliteit	Fu.C.24	NEN-EN1993-1-1(6.61&6.62)	0,33
	Kiptoetsing	Fu.C.1	NEN-EN1993-1-1(6.54)	0,28
C19	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,24
	Stabiliteit	Fu.C.23	NEN-EN1993-1-1(6.46)	0,03
	Stabiliteit	Fu.C.23	NEN-EN1993-1-1(6.46)	0,20
	Stabiliteit	Fu.C.23	NEN-EN1993-1-1(6.61&6.62)	0,88
	Kiptoetsing	Fu.C.1	NEN-EN1993-1-1(6.54)	0,63
C20	Doorsnede	Fu.C.24	NEN-EN1993-1-1(6.12)	0,15
	Stabiliteit	Fu.C.24	NEN-EN1993-1-1(6.46)	0,01
	Stabiliteit	Fu.C.24	NEN-EN1993-1-1(6.46)	0,01
	Stabiliteit	Fu.C.24	NEN-EN1993-1-1(6.61&6.62)	0,13
	Kiptoetsing	Fu.C.64	NEN-EN1993-1-1(6.54)	0,00
C22	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,15
	Stabiliteit	Fu.C.23	NEN-EN1993-1-1(6.46)	0,00
	Stabiliteit	Fu.C.23	NEN-EN1993-1-1(6.46)	0,00
	Stabiliteit	Fu.C.23	NEN-EN1993-1-1(6.61&6.62)	0,21
	Kiptoetsing	Fu.C.64	NEN-EN1993-1-1(6.54)	0,00
C23	Doorsnede	Fu.C.56	NEN-EN1993-1-1(6.12)	0,07
	Stabiliteit	Fu.C.16	NEN-EN1993-1-1(6.46)	0,02
	Stabiliteit	Fu.C.16	NEN-EN1993-1-1(6.46)	0,08
	Stabiliteit	Fu.C.16	NEN-EN1993-1-1(6.61&6.62)	0,17
	Kiptoetsing	Fu.C.56	NEN-EN1993-1-1(6.54)	0,09
C24	Doorsnede	Fu.C.56	NEN-EN1993-1-1(6.12)	0,07
	Stabiliteit	Fu.C.16	NEN-EN1993-1-1(6.46)	0,02
	Stabiliteit	Fu.C.16	NEN-EN1993-1-1(6.46)	0,08
	Stabiliteit	Fu.C.16	NEN-EN1993-1-1(6.61&6.62)	0,15
	Kiptoetsing	Fu.C.56	NEN-EN1993-1-1(6.54)	0,09
C25	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,44
	Stabiliteit	Fu.C.63	NEN-EN1993-1-1(6.46)	0,04
	Stabiliteit	Fu.C.63	NEN-EN1993-1-1(6.46)	0,07
	Stabiliteit	Fu.C.63	NEN-EN1993-1-1(6.61&6.62)	0,64
	Kiptoetsing	Fu.C.1	NEN-EN1993-1-1(6.54)	0,57
C26	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,44
	Stabiliteit	Fu.C.24	NEN-EN1993-1-1(6.46)	0,02
	Stabiliteit	Fu.C.24	NEN-EN1993-1-1(6.46)	0,04
	Stabiliteit	Fu.C.24	NEN-EN1993-1-1(6.61&6.62)	0,71
	Kiptoetsing	Fu.C.7	NEN-EN1993-1-1(6.54)	0,65
C27	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,40
	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.46)	0,04
	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.46)	0,07
	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.61&6.62)	0,57
	Kiptoetsing	Fu.C.1	NEN-EN1993-1-1(6.54)	0,50
C28	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,40
	Stabiliteit	Fu.C.63	NEN-EN1993-1-1(6.46)	0,03
	Stabiliteit	Fu.C.63	NEN-EN1993-1-1(6.46)	0,06
	Stabiliteit	Fu.C.63	NEN-EN1993-1-1(6.61&6.62)	0,60
	Kiptoetsing	Fu.C.1	NEN-EN1993-1-1(6.54)	0,54

C29	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.31)	0,42
	Stabiliteit	Fu.C.55	NEN-EN1993-1-1(6.46)	0,09
Label	**Toetsing**	**Combinatie**	**Artikel**	**UC max**
	Stabiliteit	Fu.C.55	NEN-EN1993-1-1(6.46)	0,17
	Stabiliteit	Fu.C.55	NEN-EN1993-1-1(6.61&6.62)	0,36
	Kiptoetsing	Fu.C.64	NEN-EN1993-1-1(6.54)	0,00
C30	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.31)	0,42
	Stabiliteit	Fu.C.55	NEN-EN1993-1-1(6.46)	0,06
	Stabiliteit	Fu.C.55	NEN-EN1993-1-1(6.46)	0,12
	Stabiliteit	Fu.C.55	NEN-EN1993-1-1(6.61&6.62)	0,33
	Kiptoetsing	Fu.C.64	NEN-EN1993-1-1(6.54)	0,00
C32	Doorsnede	Fu.C.16	NEN-EN1993-1-1(6.5)	0,36
C33	Doorsnede	Fu.C.55	NEN-EN1993-1-1(6.5)	0,30
C34	Doorsnede	Fu.C.23	NEN-EN1993-1-1(6.5)	0,27
C35	Doorsnede	Fu.C.47	NEN-EN1993-1-1(6.5)	0,15
C36	Doorsnede	Fu.C.48	NEN-EN1993-1-1(6.5)	0,15
C37	Doorsnede	Fu.C.24	NEN-EN1993-1-1(6.5)	0,61
C38	Doorsnede	Fu.C.17	NEN-EN1993-1-1(6.12)	0,42
	Stabiliteit	Fu.C.18	NEN-EN1993-1-1(6.46)	0,00
	Stabiliteit	Fu.C.18	NEN-EN1993-1-1(6.46)	0,02
	Stabiliteit	Fu.C.18	NEN-EN1993-1-1(6.61&6.62)	0,64
	Kiptoetsing	Fu.C.17	NEN-EN1993-1-1(6.54)	0,63
C39	Doorsnede	Fu.C.17	NEN-EN1993-1-1(6.12)	0,42
	Stabiliteit	Fu.C.18	NEN-EN1993-1-1(6.46)	0,00
	Stabiliteit	Fu.C.18	NEN-EN1993-1-1(6.46)	0,01
	Stabiliteit	Fu.C.18	NEN-EN1993-1-1(6.61&6.62)	0,64
	Kiptoetsing	Fu.C.17	NEN-EN1993-1-1(6.54)	0,63
C40	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,72
	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.46)	0,02
	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.46)	0,04
	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.61&6.62)	0,56
	Kiptoetsing	Fu.C.1	NEN-EN1993-1-1(6.54)	0,72
	Doorbuigingstoetsin	Ka.C.2	NEN-EN|NEN-EN1990/NB A1.4.2	0,45
C41	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.12)	0,34
	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.46)	0,02
	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.46)	0,08
	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.61&6.62)	0,54
	Kiptoetsing	Fu.C.69	NEN-EN1993-1-1(6.54)	0,34
	Doorbuigingstoetsin	Ka.C.2	NEN-EN|NEN-EN1990/NB A1.4.2	0,35

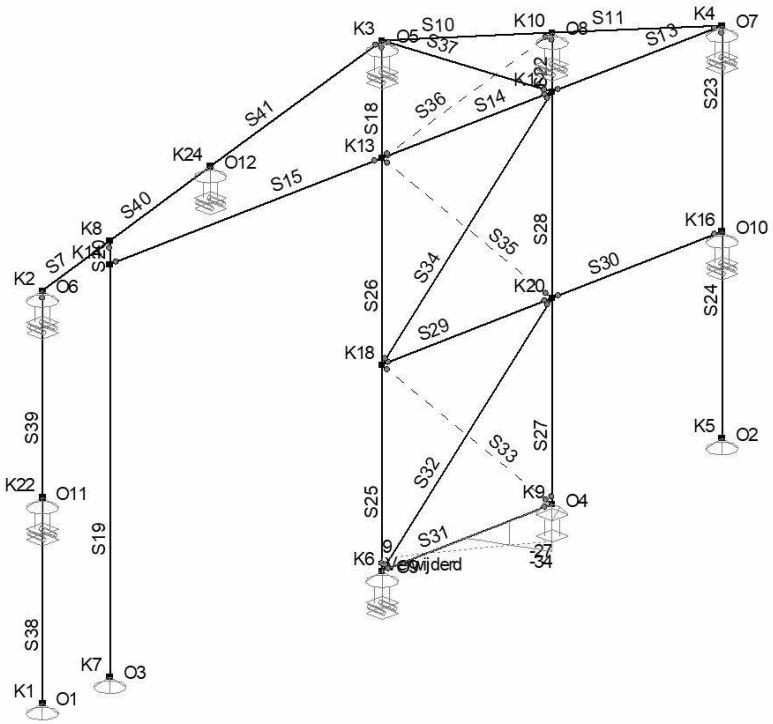
AFB. FU.C.1 TEGENDRUK Fundamenteel Belastingscombinaties



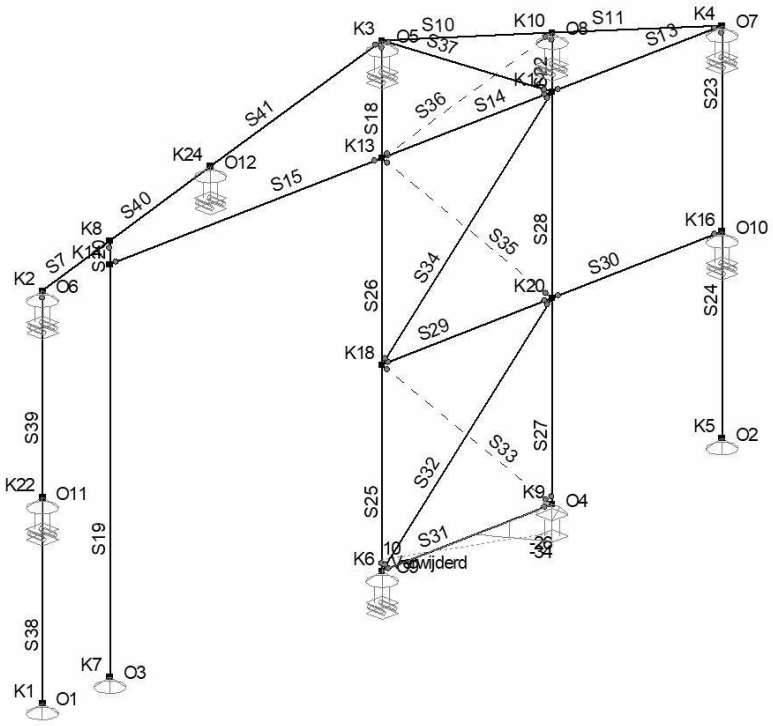
AFB. FU.C.2 TEGENDRUK Fundamenteel Belastingscombinaties



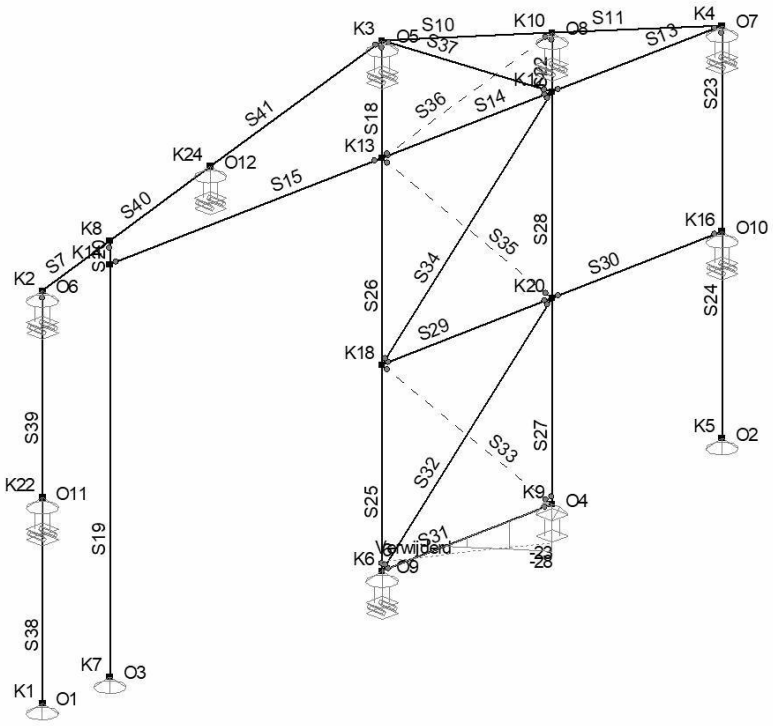
AFB. FU.C.3 TEGENDRUK Fundamenteel Belastingscombinaties



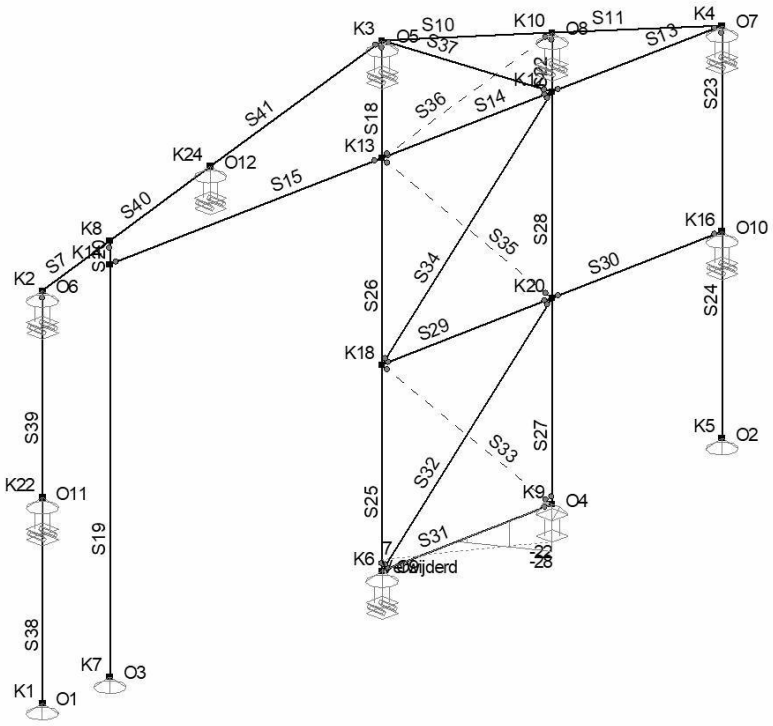
AFB. FU.C.4 TEGENDRUK Fundamenteel Belastingscombinaties



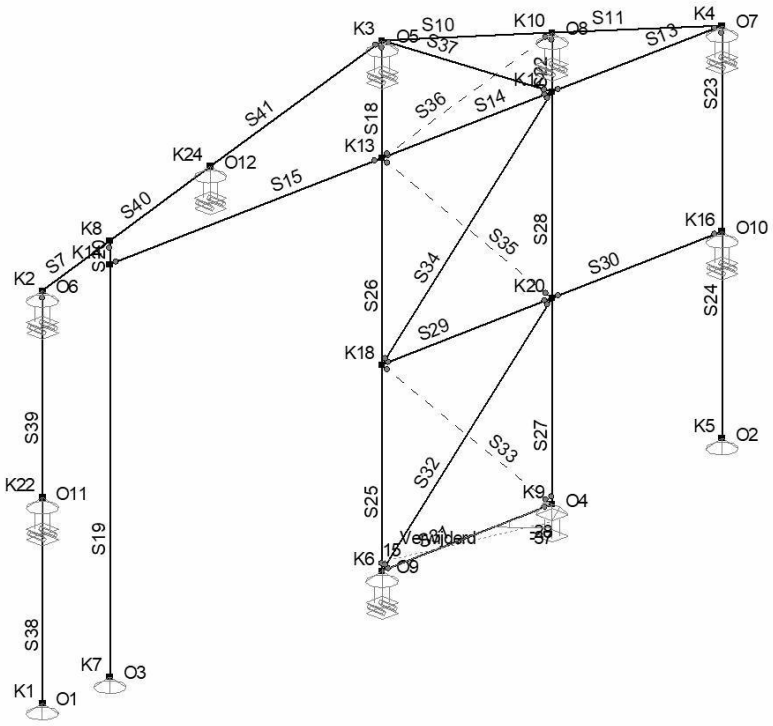
AFB. FU.C.5 TEGENDRUK Fundamenteel Belastingscombinaties



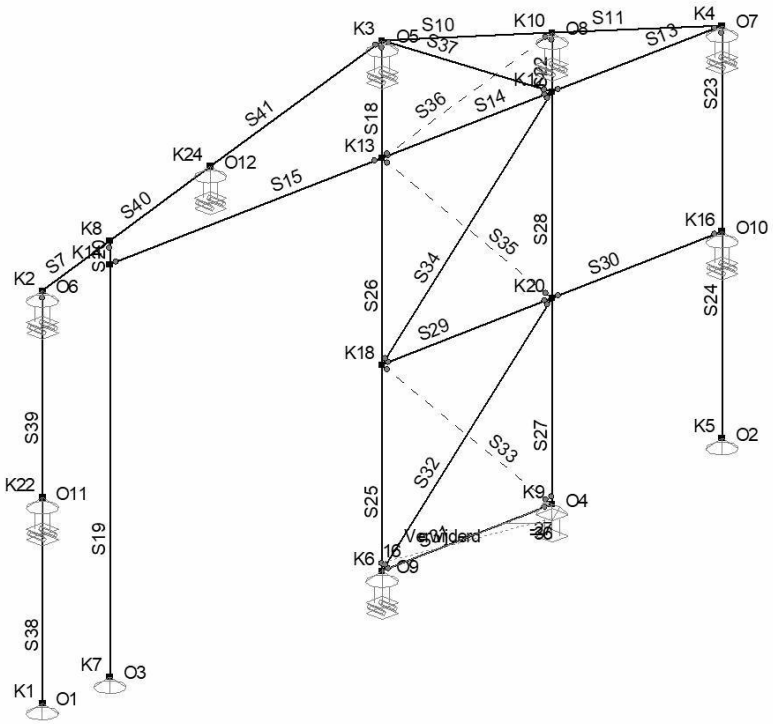
AFB. FU.C.6 TEGENDRUK Fundamenteel Belastingscombinaties



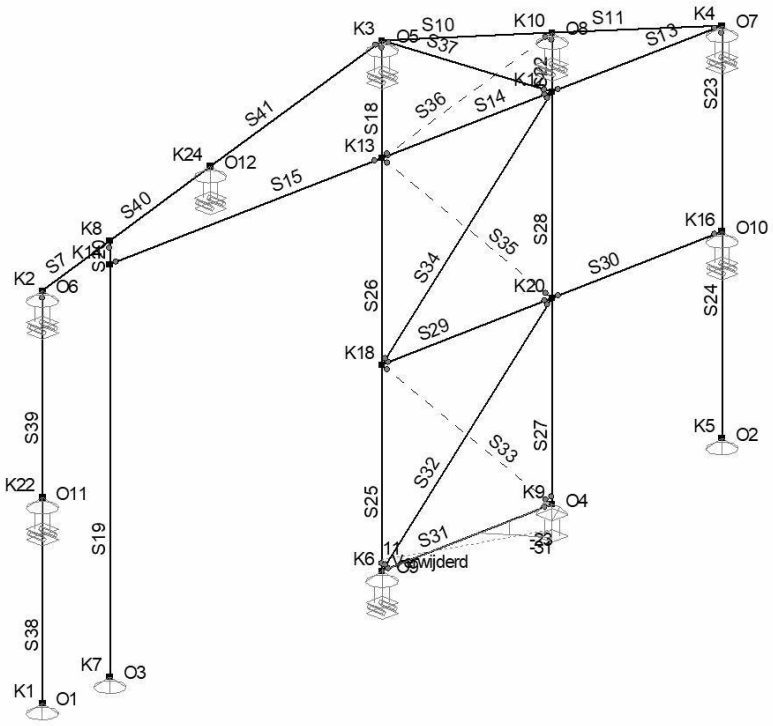
AFB. FU.C.7 TEGENDRUK Fundamenteel Belastingscombinaties



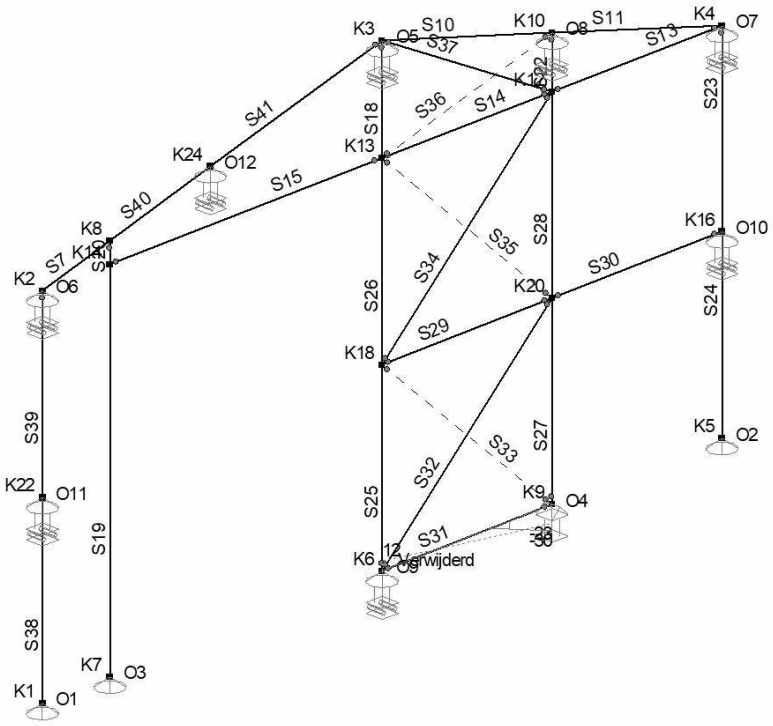
AFB. FU.C.8 TEGENDRUK Fundamenteel Belastingscombinaties



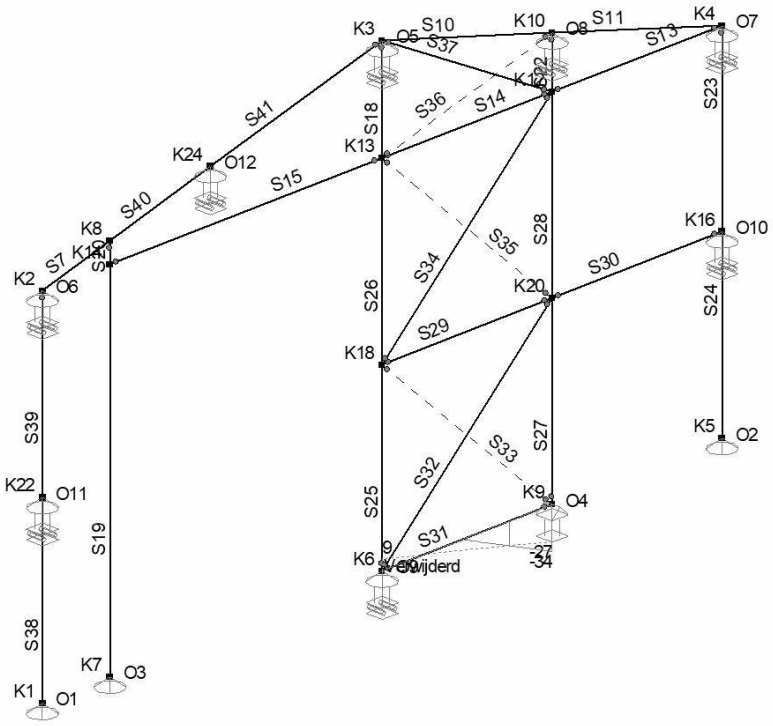
AFB. FU.C.9 TEGENDRUK Fundamenteel Belastingscombinaties



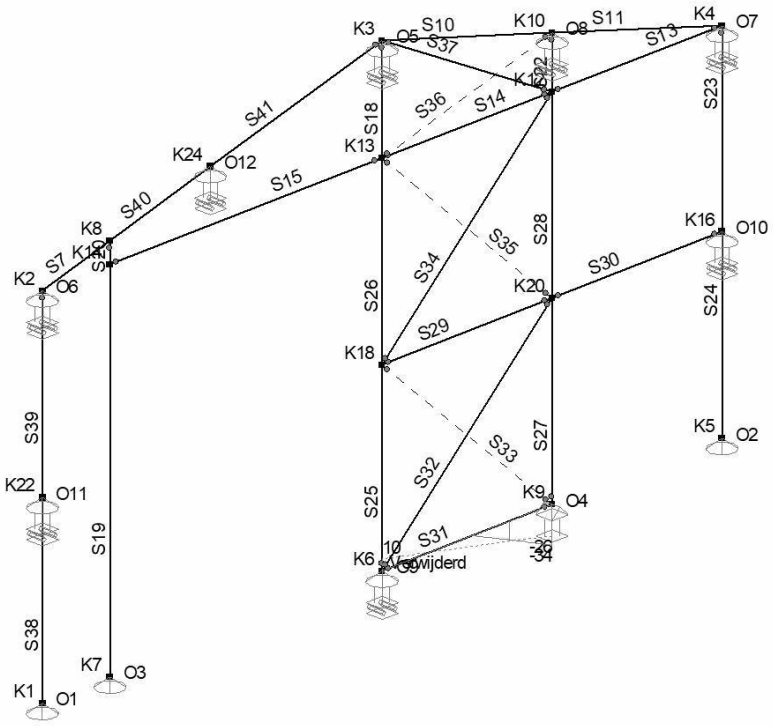
AFB. FU.C.10 TEGENDRUK Fundamenteel Belastingscombinaties



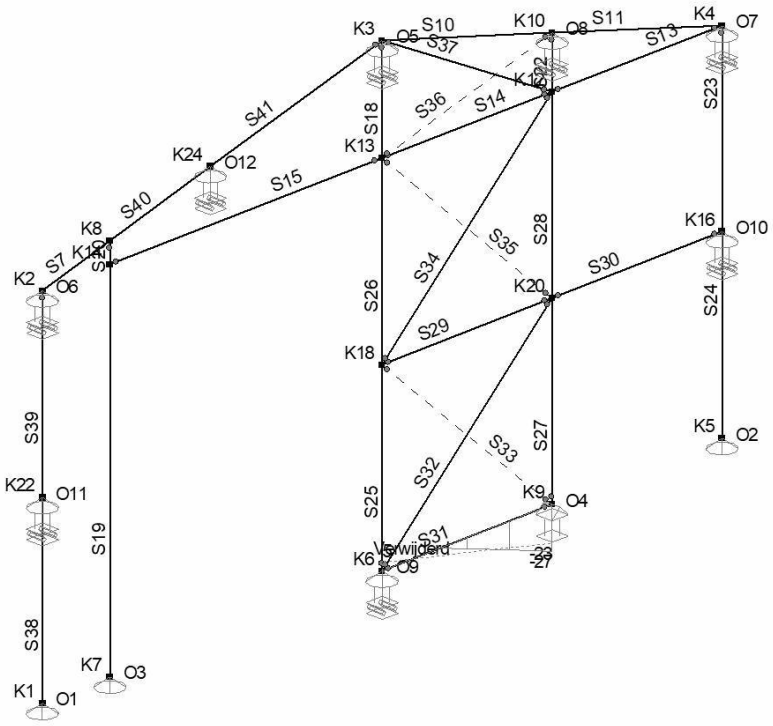
AFB. FU.C.11 TEGENDRUK Fundamenteel Belastingscombinaties



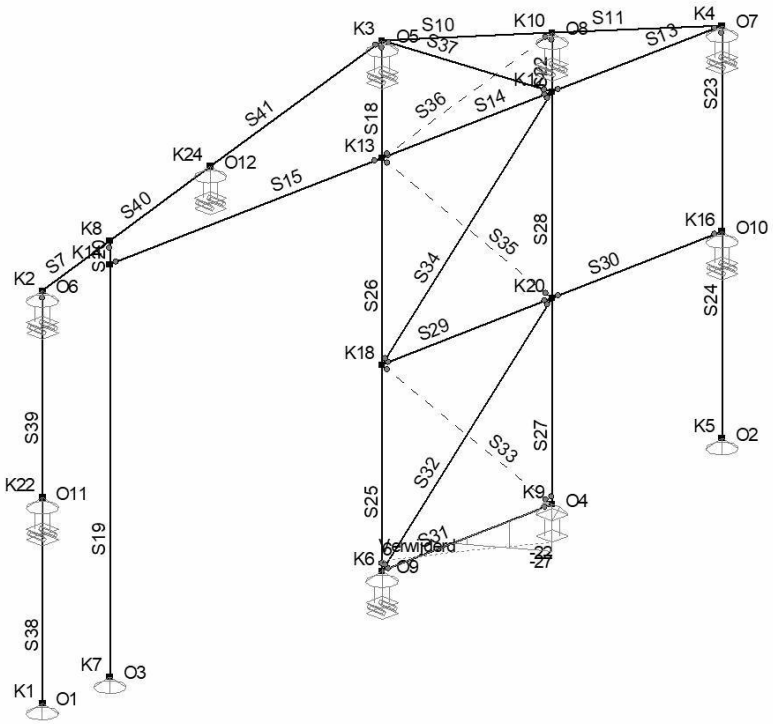
AFB. FU.C.12 TEGENDRUK Fundamenteel Belastingscombinaties



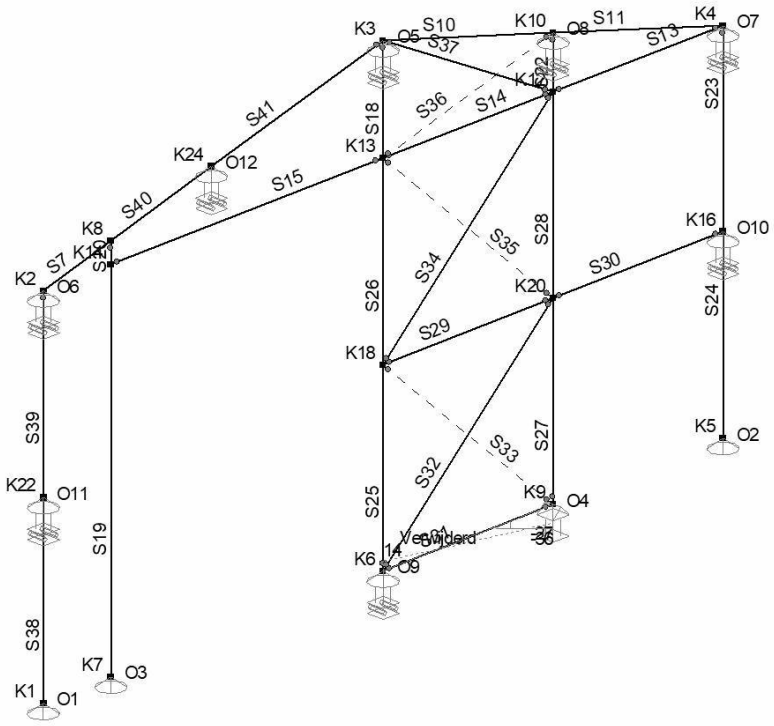
AFB. FU.C.13 TEGENDRUK Fundamenteel Belastingscombinaties



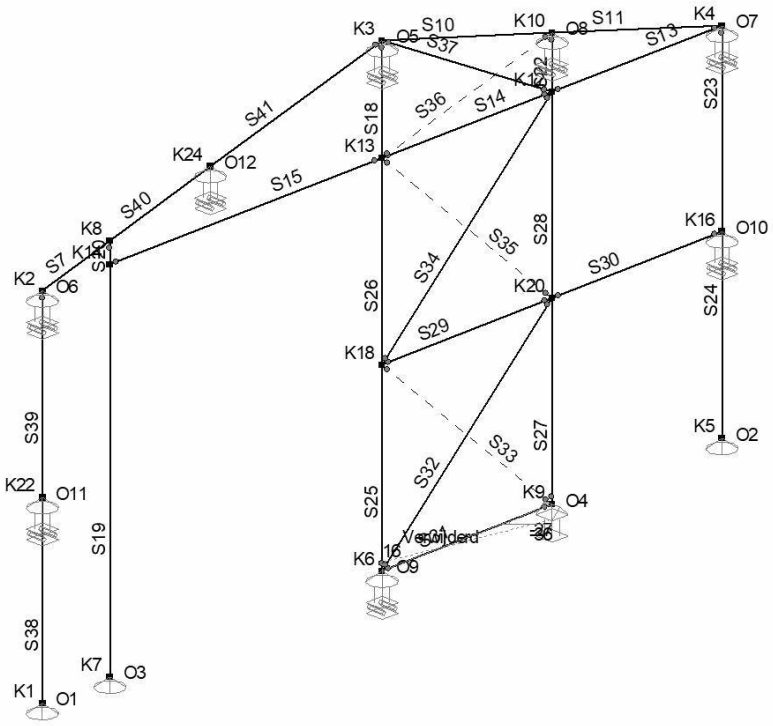
AFB. FU.C.14 TEGENDRUK Fundamenteel Belastingscombinaties



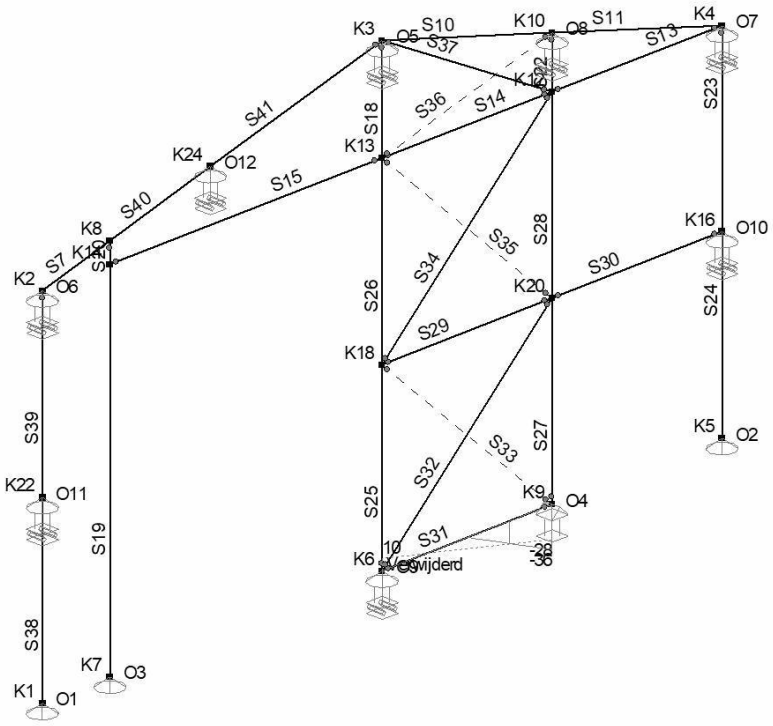
AFB. FU.C.15 TEGENDRUK Fundamenteel Belastingscombinaties



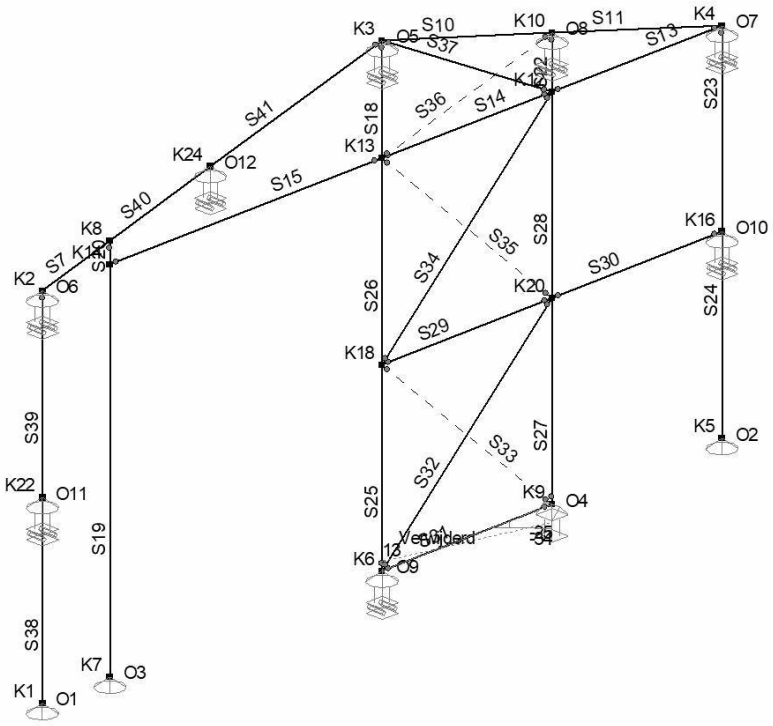
AFB. FU.C.16 TEGENDRUK Fundamenteel Belastingscombinaties



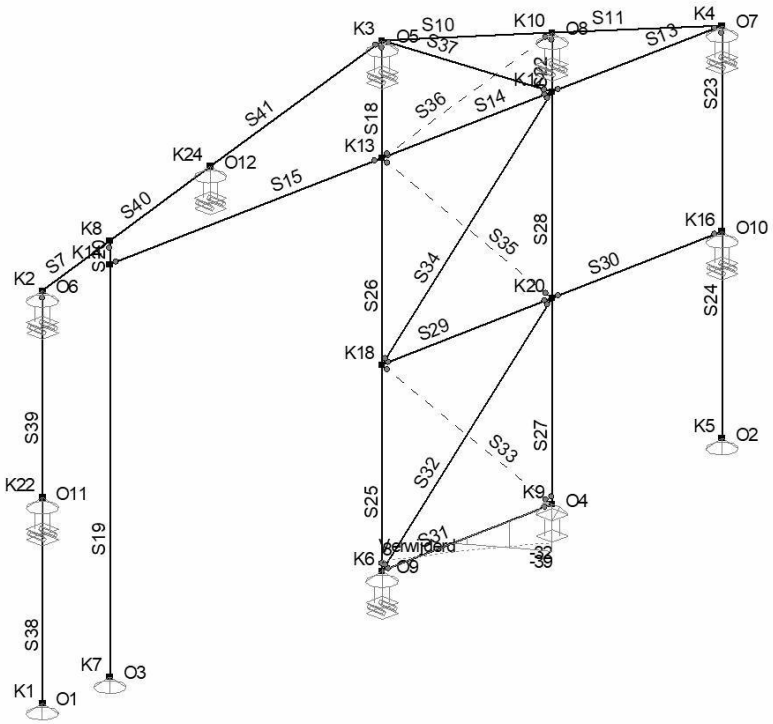
AFB. FU.C.17 TEGENDRUK Fundamenteel Belastingscombinaties



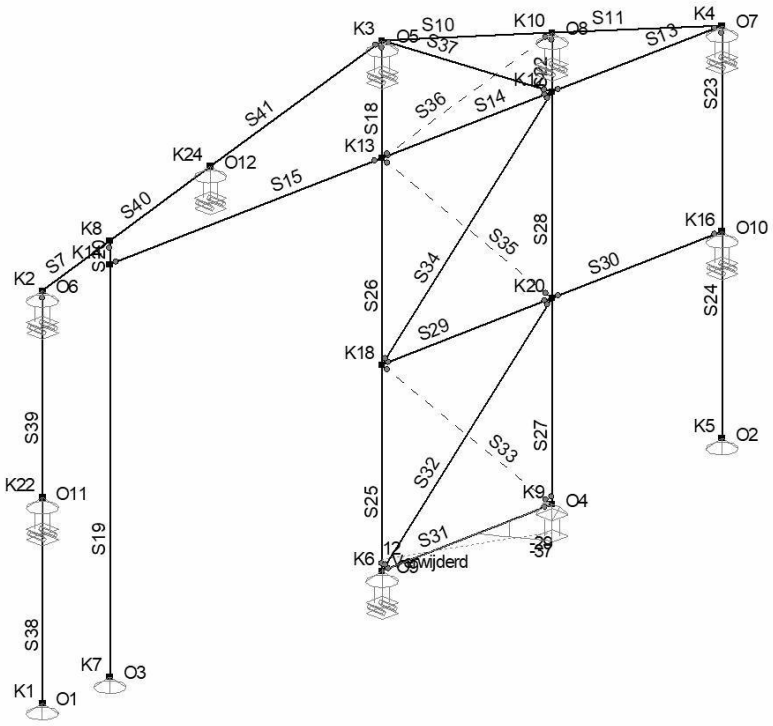
AFB. FU.C.18 TEGENDRUK Fundamenteel Belastingscombinaties



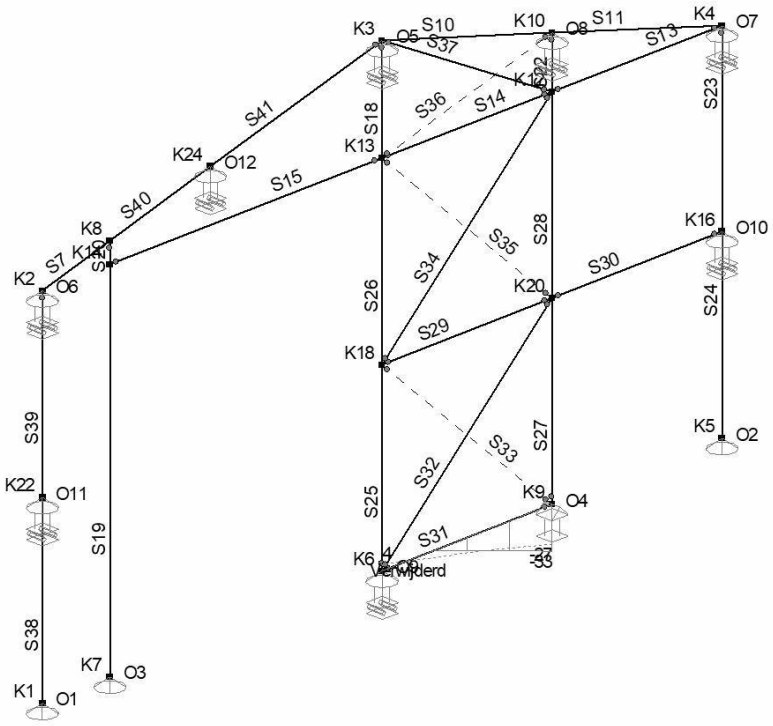
AFB. FU.C.19 TEGENDRUK Fundamenteel Belastingscombinaties



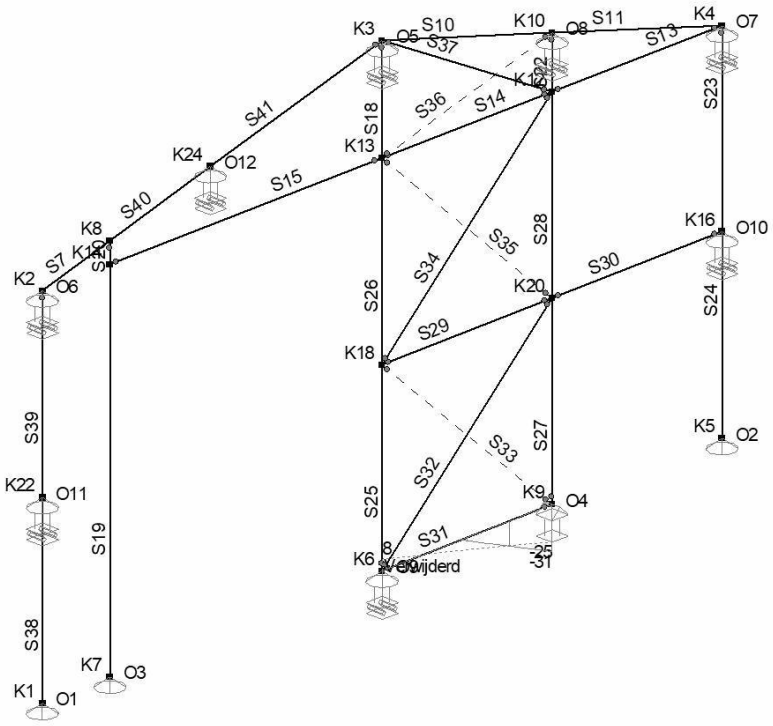
AFB. FU.C.20 TEGENDRUK Fundamenteel Belastingscombinaties



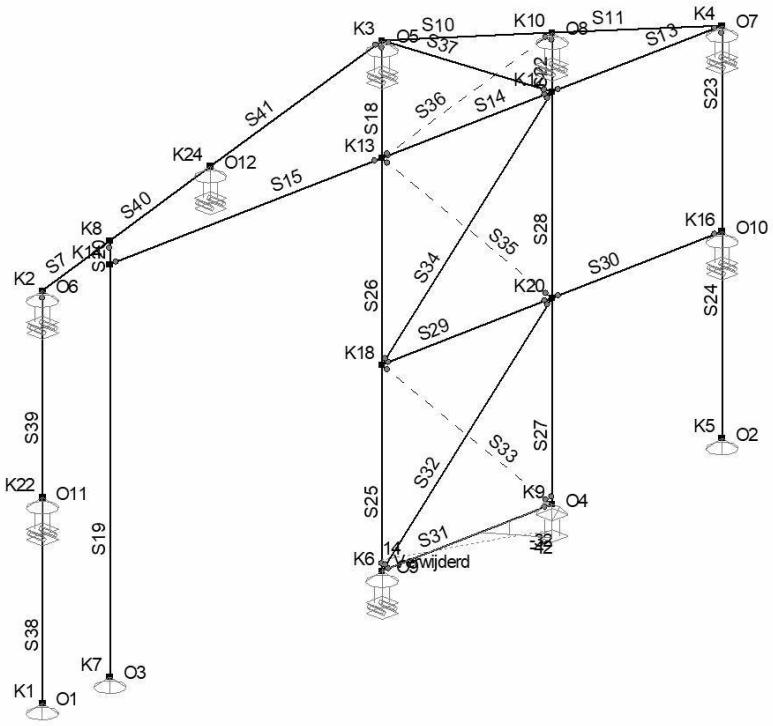
AFB. FU.C.21 TEGENDRUK Fundamenteel Belastingscombinaties



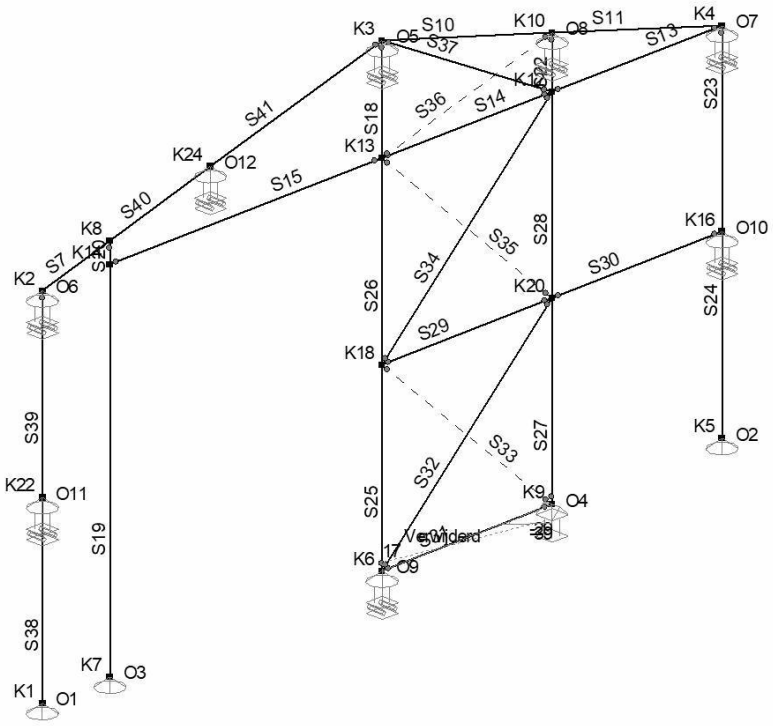
AFB. FU.C.22 TEGENDRUK Fundamenteel Belastingscombinaties



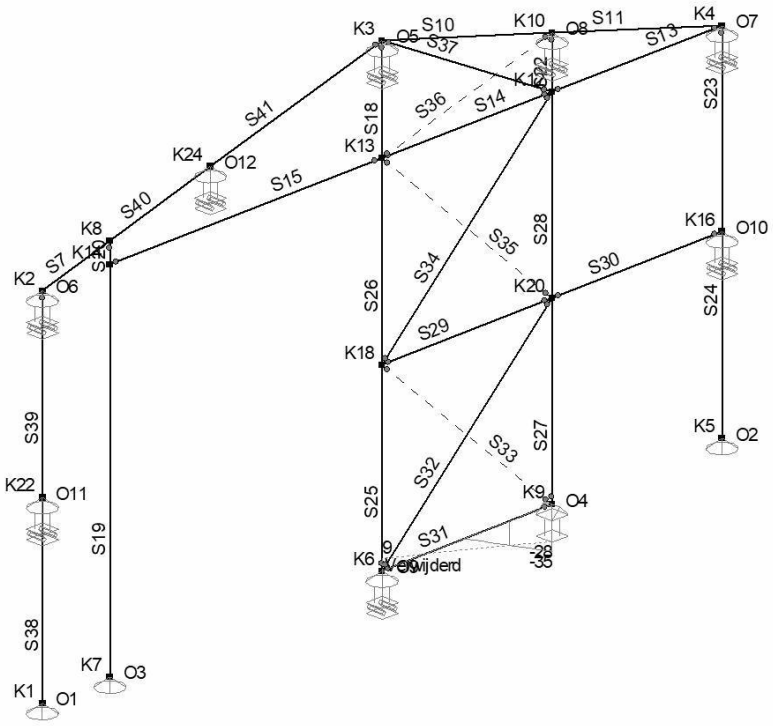
AFB. FU.C.23 TEGENDRUK Fundamenteel Belastingscombinaties



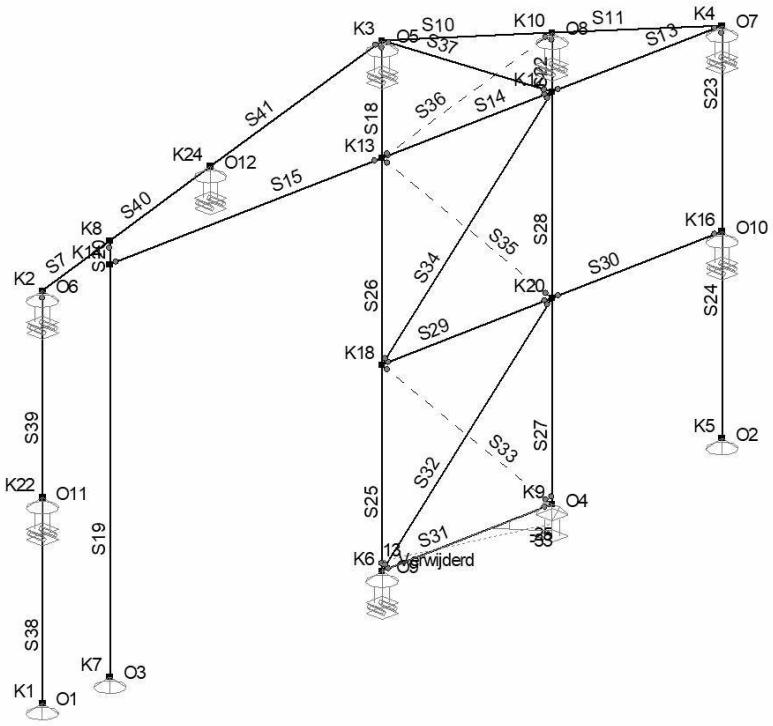
AFB. FU.C.24 TEGENDRUK Fundamenteel Belastingscombinaties



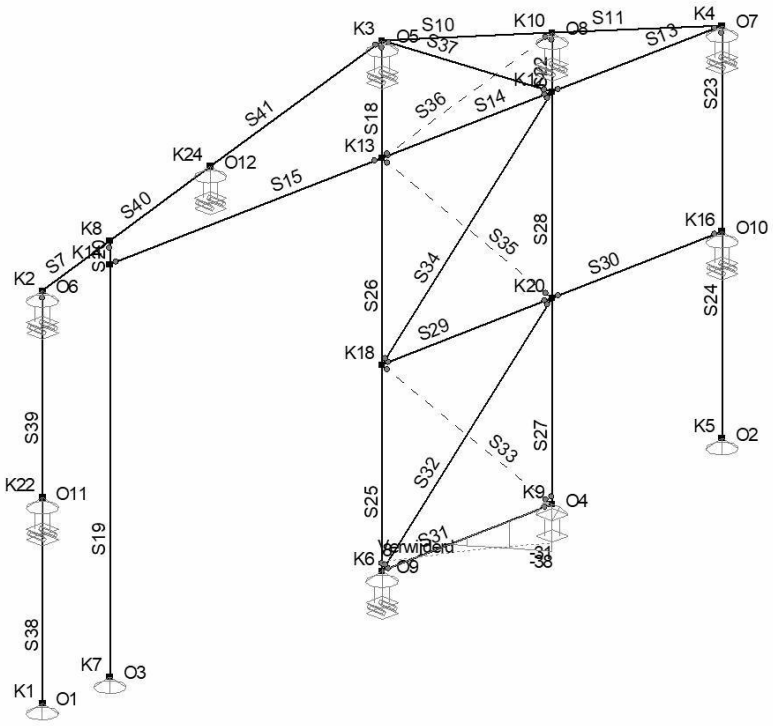
AFB. FU.C.25 TEGENDRUK Fundamenteel Belastingscombinaties



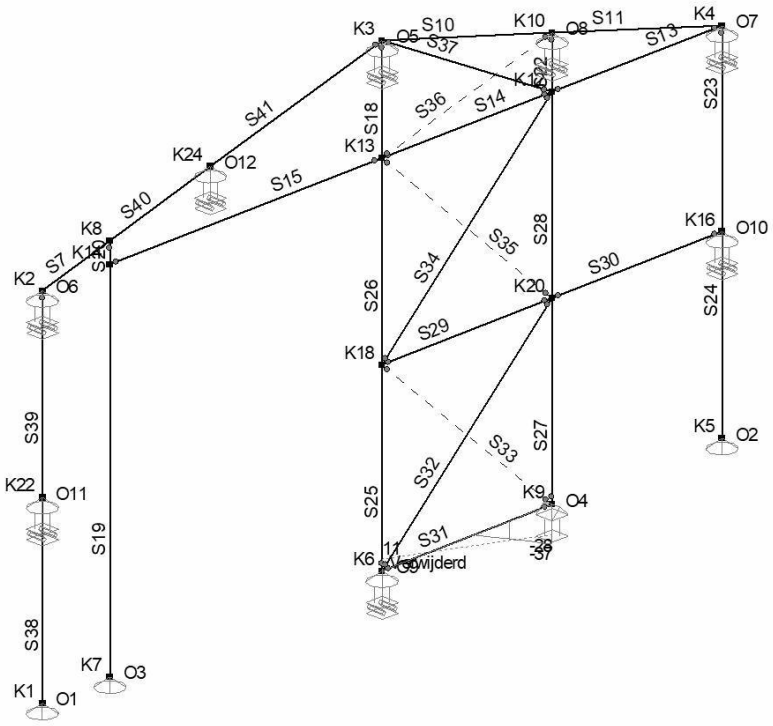
AFB. FU.C.26 TEGENDRUK Fundamenteel Belastingscombinaties



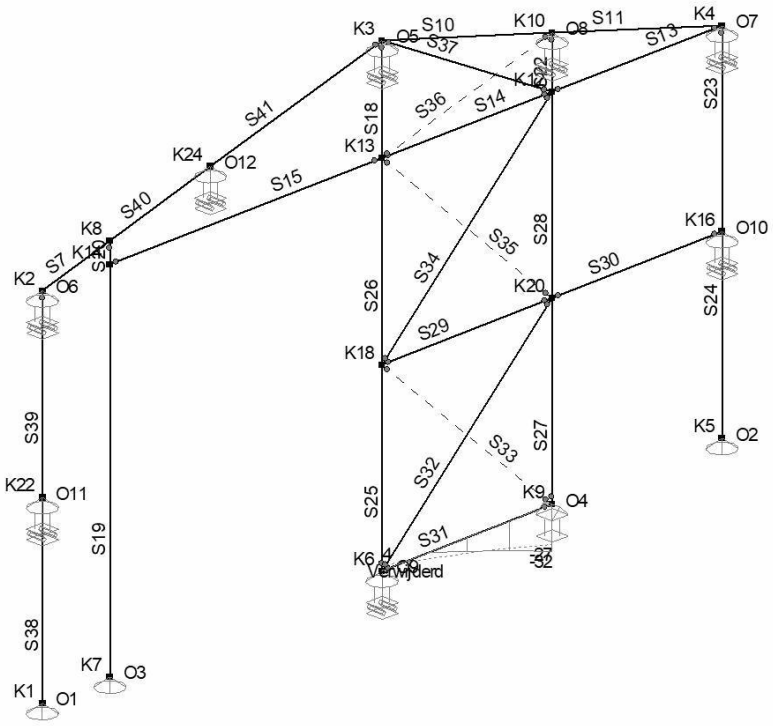
AFB. FU.C.27 TEGENDRUK Fundamenteel Belastingscombinaties



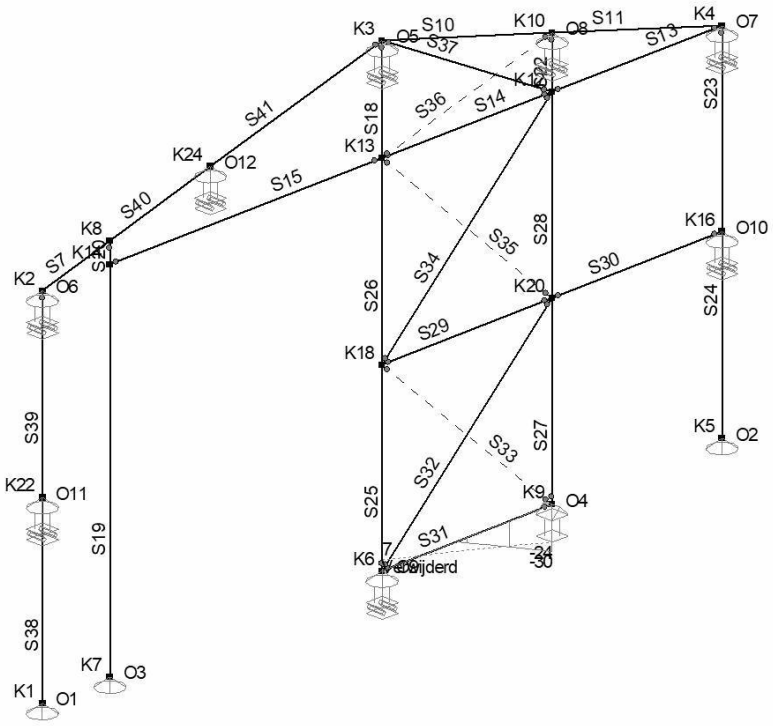
AFB. FU.C.28 TEGENDRUK Fundamenteel Belastingscombinaties



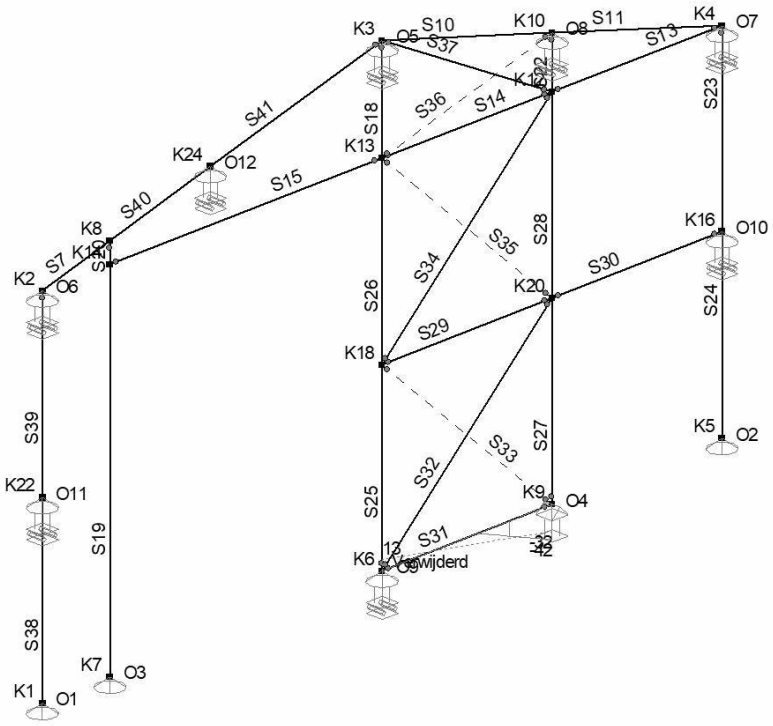
AFB. FU.C.29 TEGENDRUK Fundamenteel Belastingscombinaties



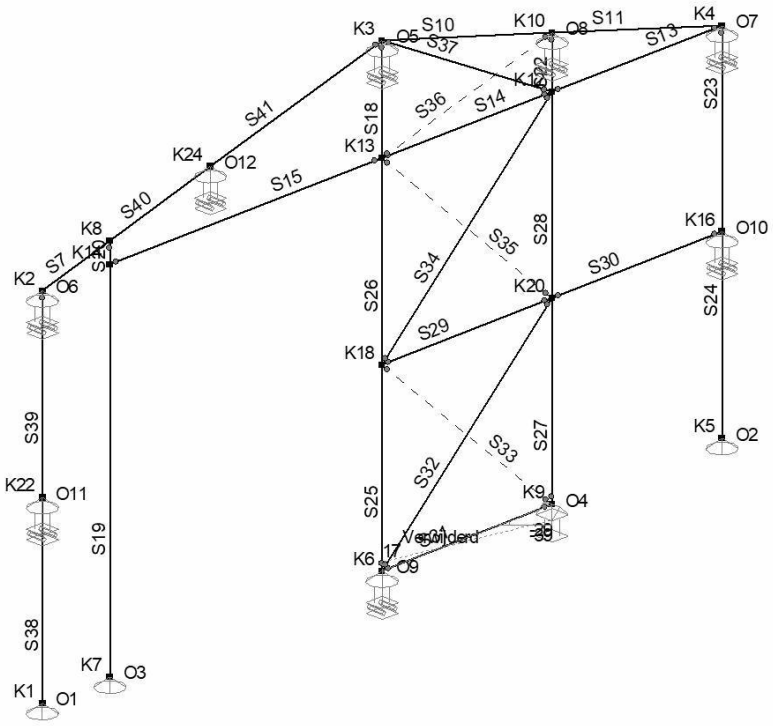
AFB. FU.C.30 TEGENDRUK Fundamenteel Belastingscombinaties



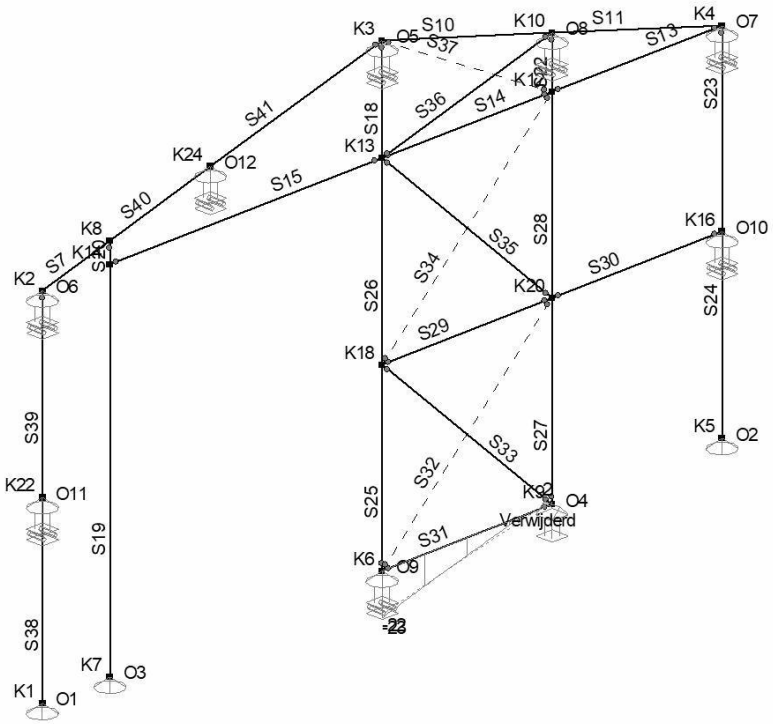
AFB. FU.C.31 TEGENDRUK Fundamenteel Belastingscombinaties



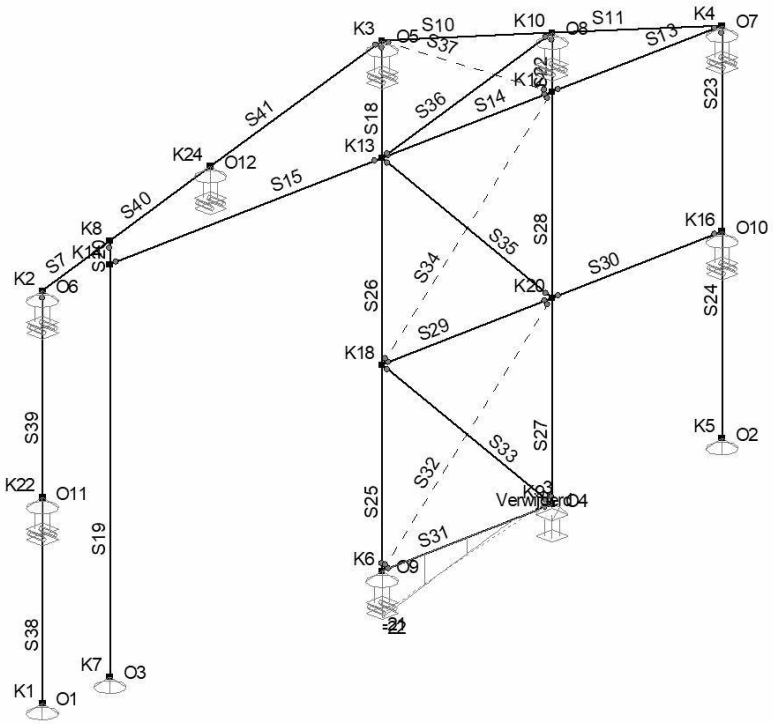
AFB. FU.C.32 TEGENDRUK Fundamenteel Belastingscombinaties



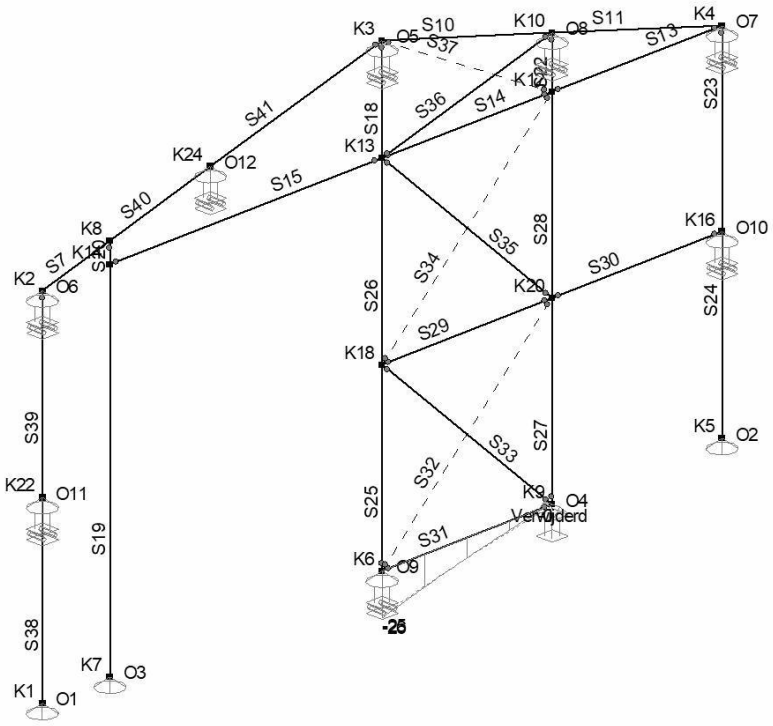
AFB. FU.C.33 TEGENDRUK Fundamenteel Belastingscombinaties



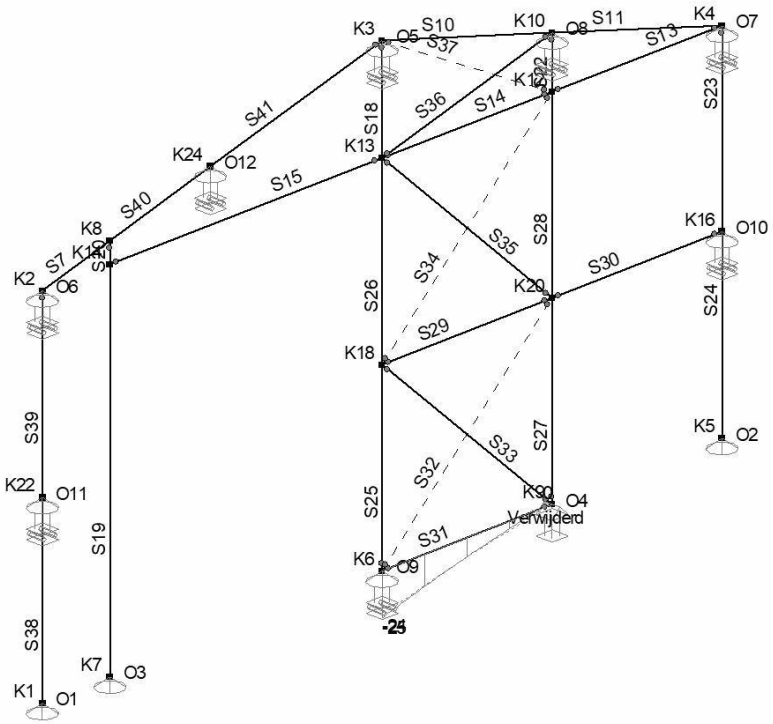
AFB. FU.C.34 TEGENDRUK Fundamenteel Belastingscombinaties



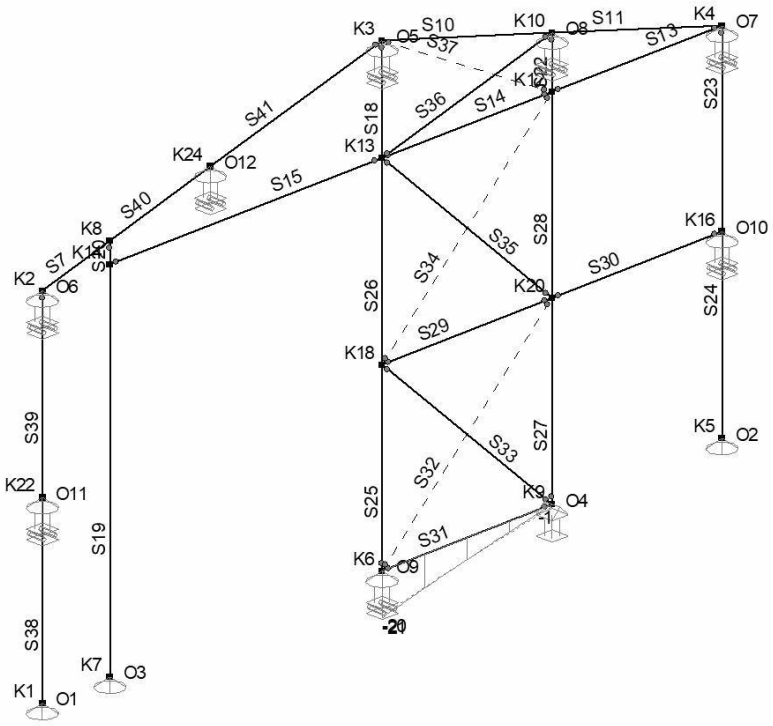
AFB. FU.C.35 TEGENDRUK Fundamenteel Belastingscombinaties



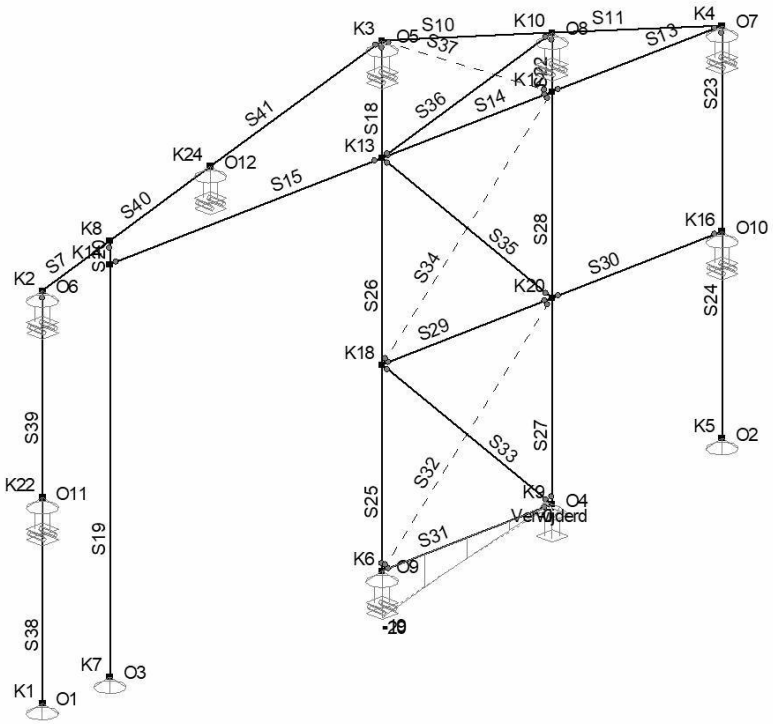
AFB. FU.C.36 TEGENDRUK Fundamenteel Belastingscombinaties



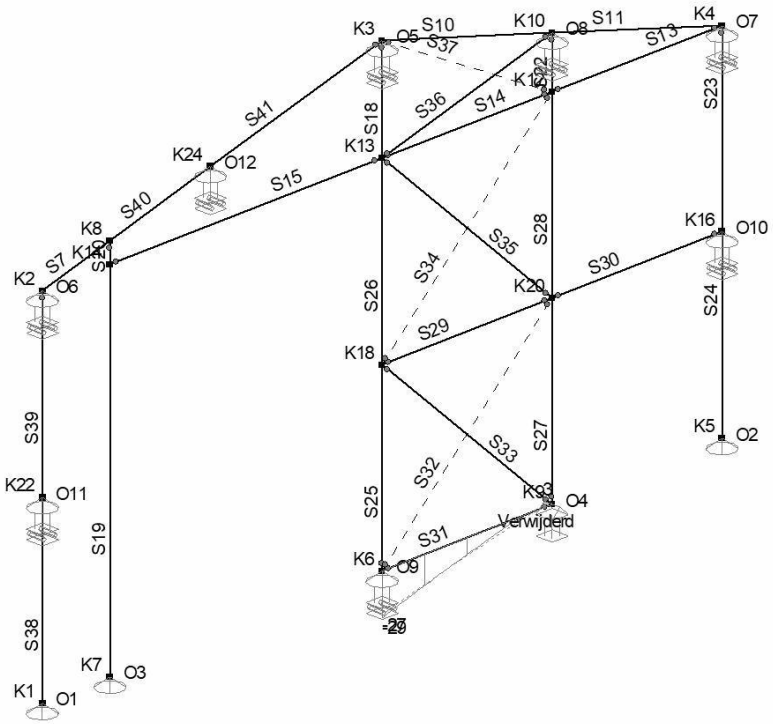
AFB. FU.C.37 TEGENDRUK Fundamenteel Belastingscombinaties



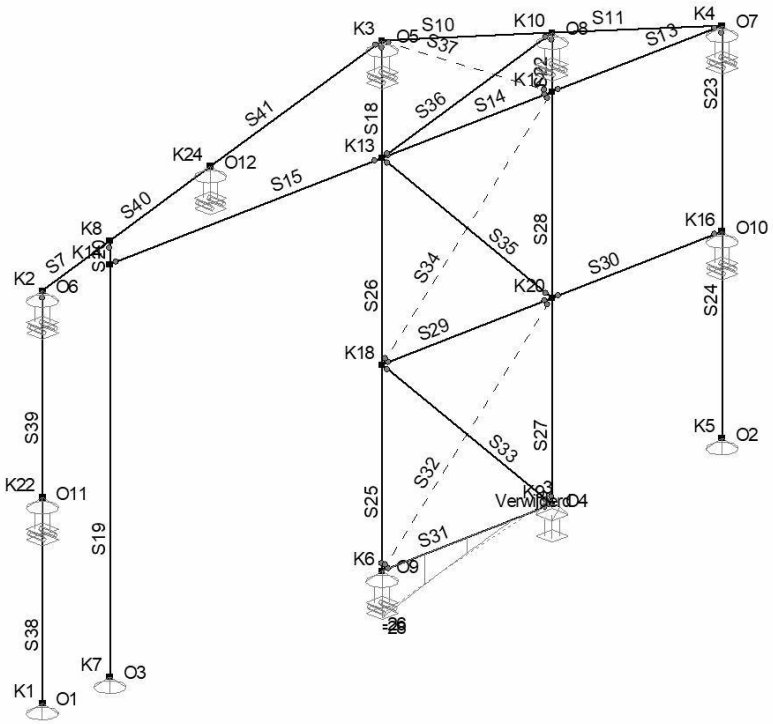
AFB. FU.C.38 TEGENDRUK Fundamenteel Belastingscombinaties



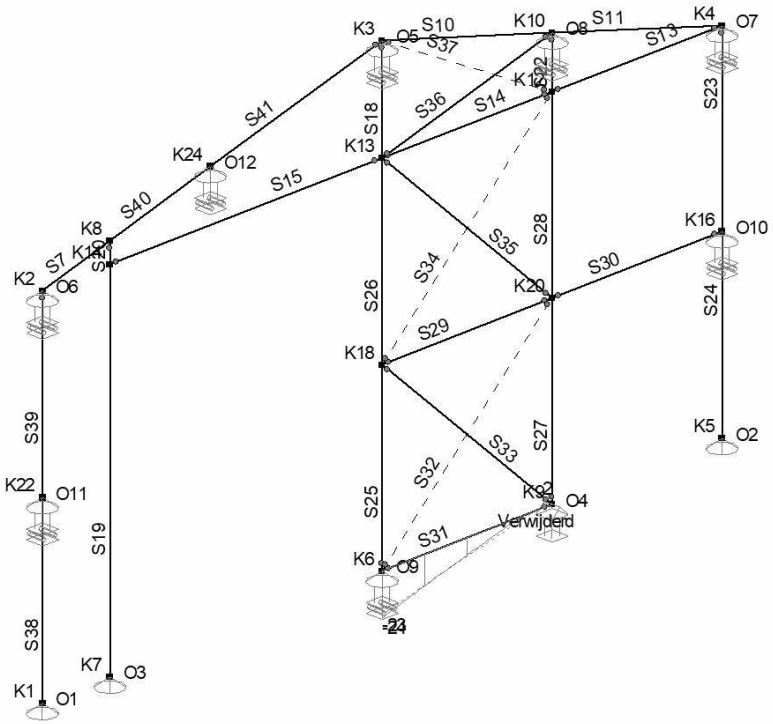
AFB. FU.C.39 TEGENDRUK Fundamenteel Belastingscombinaties



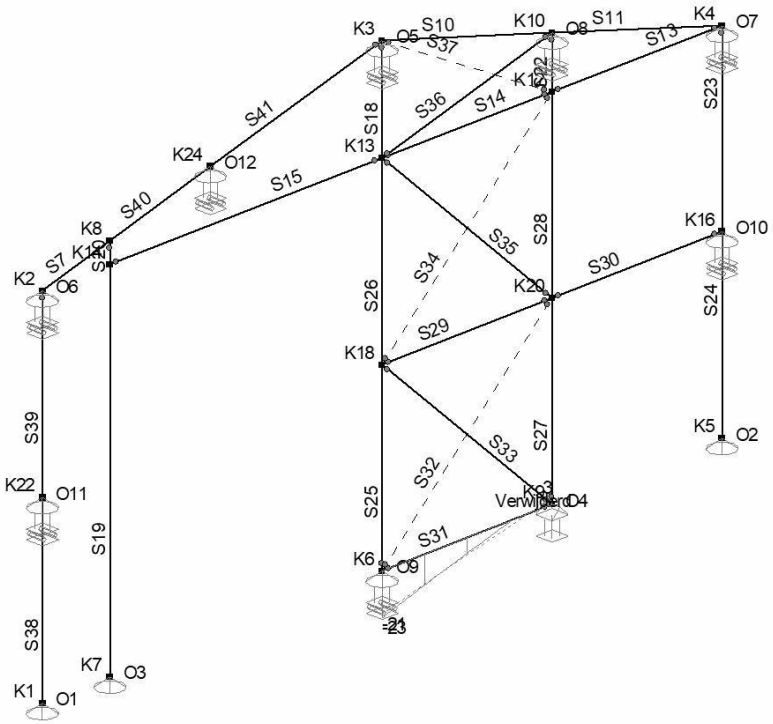
AFB. FU.C.40 TEGENDRUK Fundamenteel Belastingscombinaties



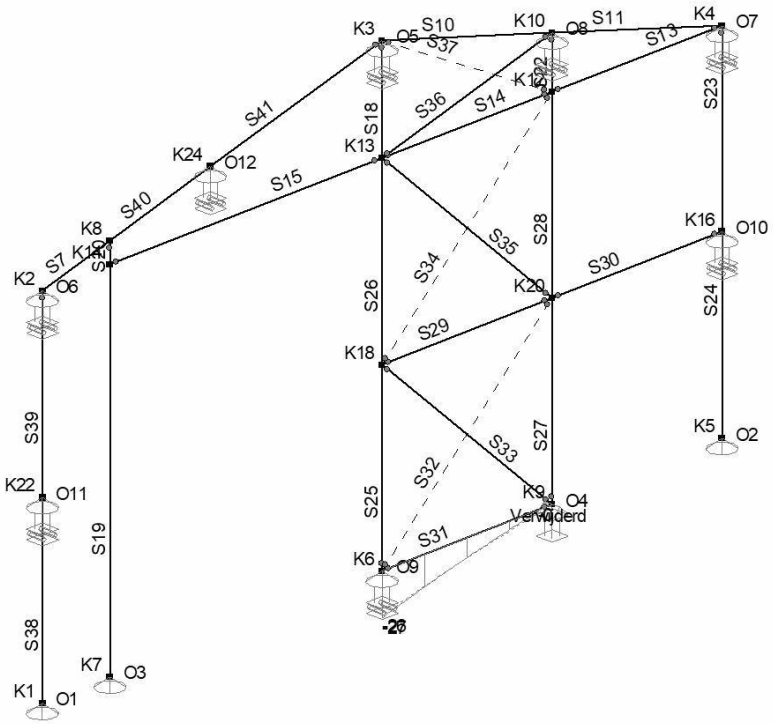
AFB. FU.C.41 TEGENDRUK Fundamenteel Belastingscombinaties



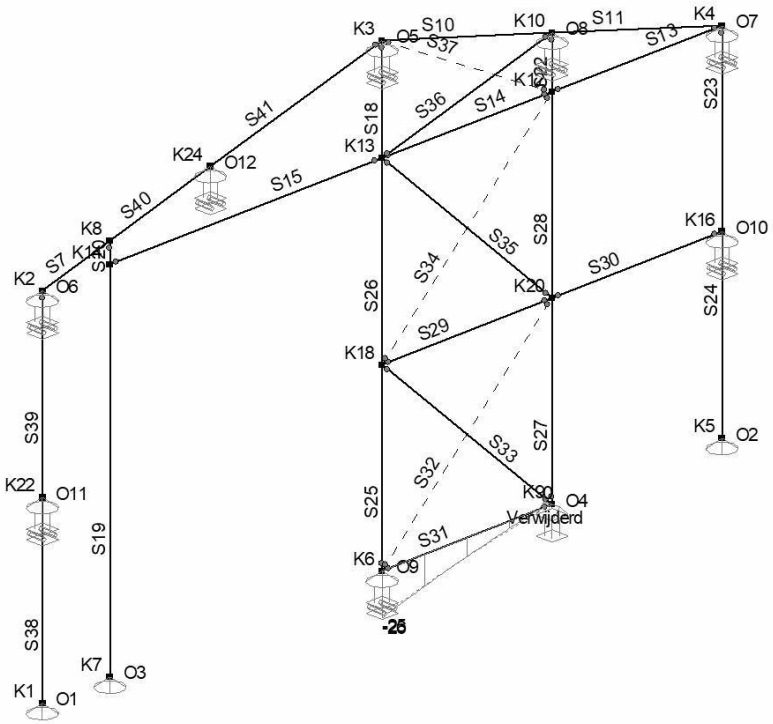
AFB. FU.C.42 TEGENDRUK Fundamenteel Belastingscombinaties



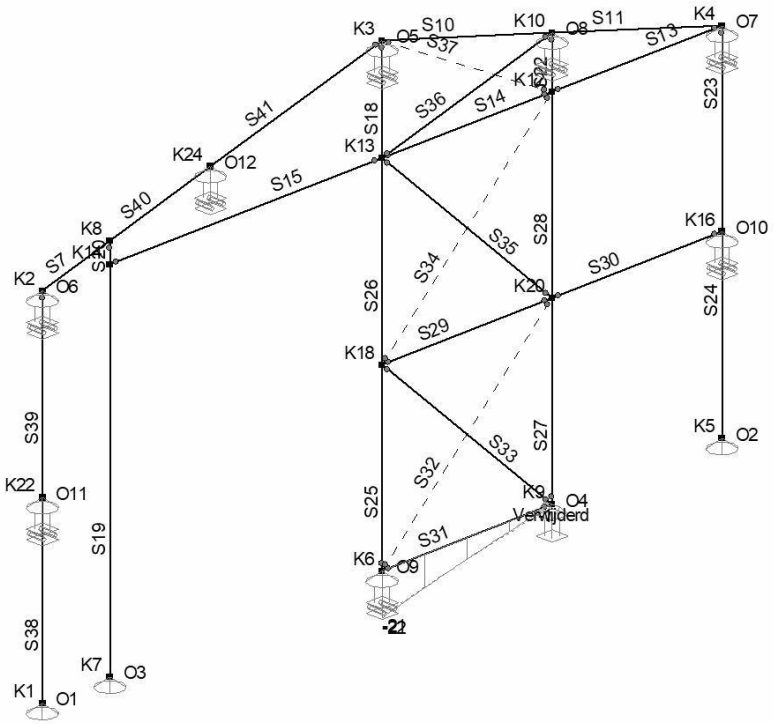
AFB. FU.C.43 TEGENDRUK Fundamenteel Belastingscombinaties



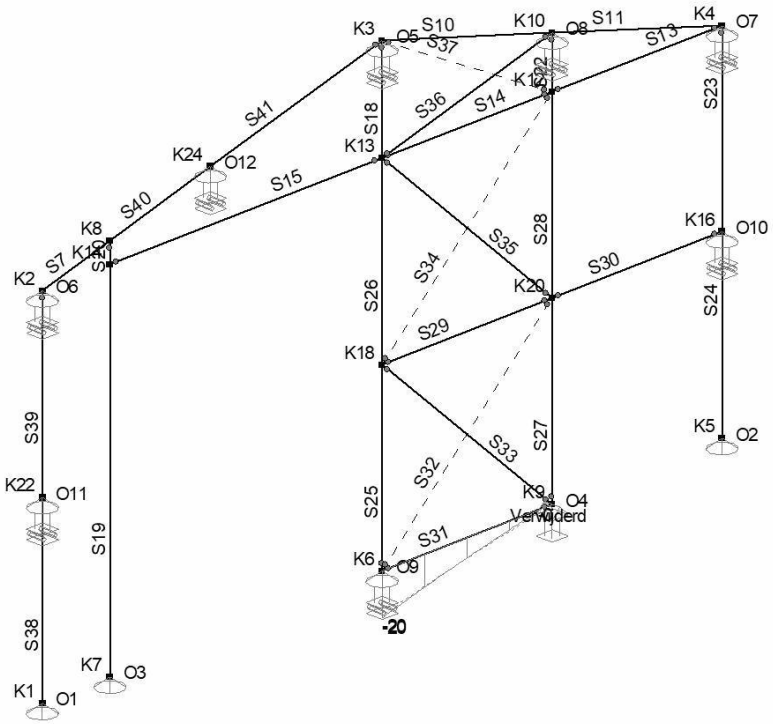
AFB. FU.C.44 TEGENDRUK Fundamenteel Belastingscombinaties



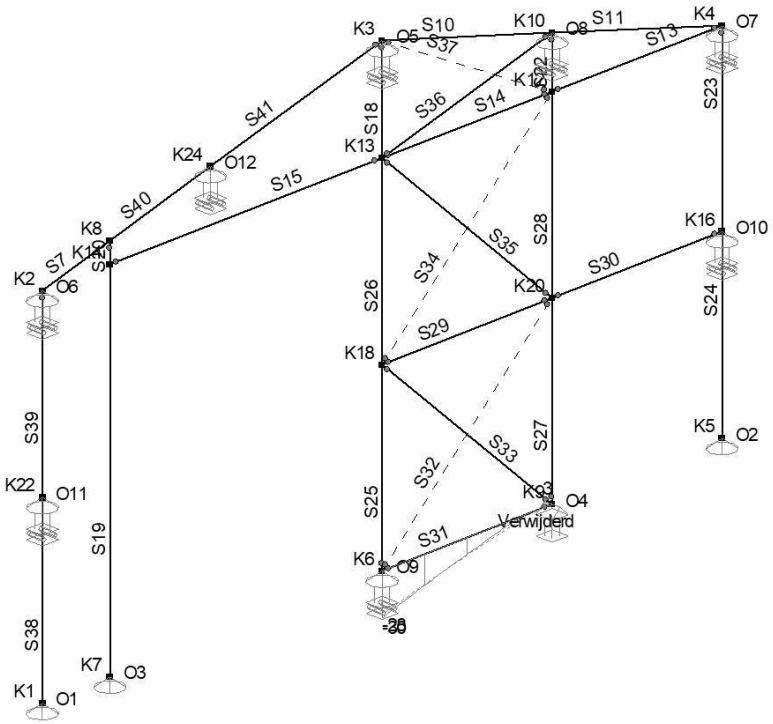
AFB. FU.C.45 TEGENDRUK Fundamenteel Belastingscombinaties



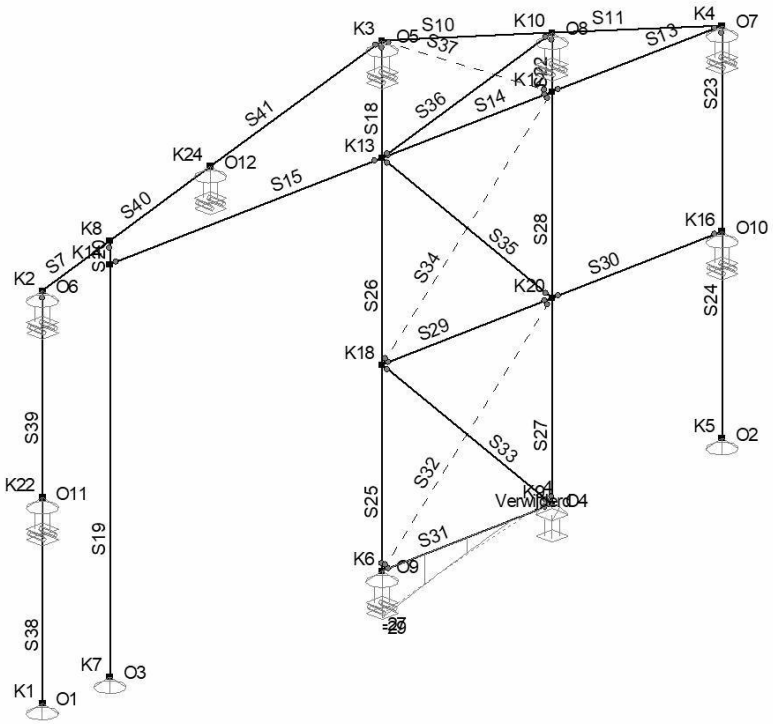
AFB. FU.C.46 TEGENDRUK Fundamenteel Belastingscombinaties



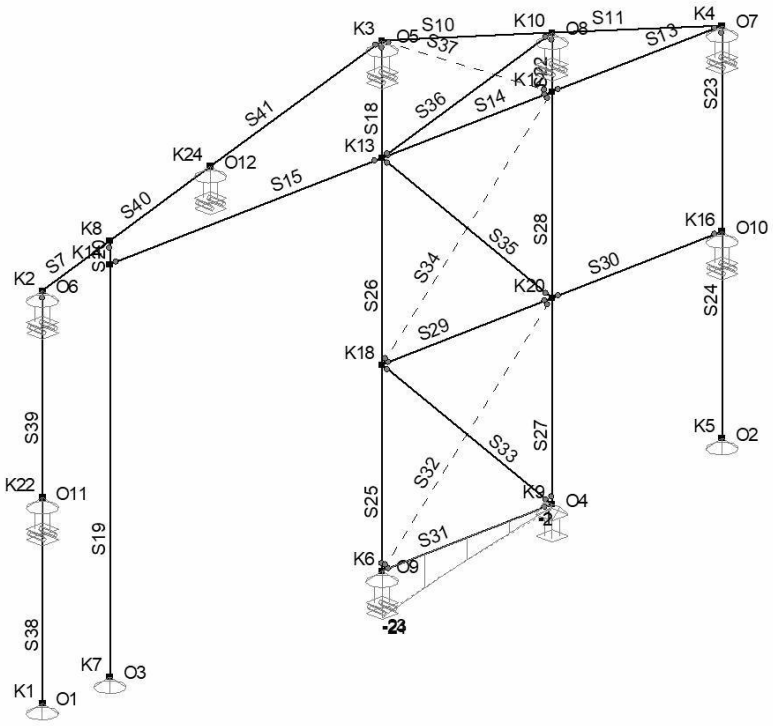
AFB. FU.C.47 TEGENDRUK Fundamenteel Belastingscombinaties



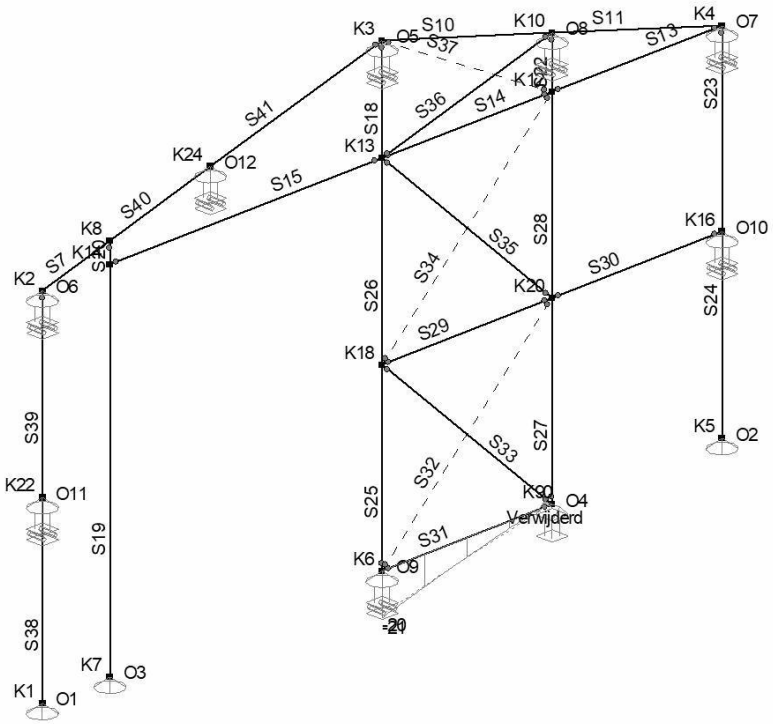
AFB. FU.C.48 TEGENDRUK Fundamenteel Belastingscombinaties



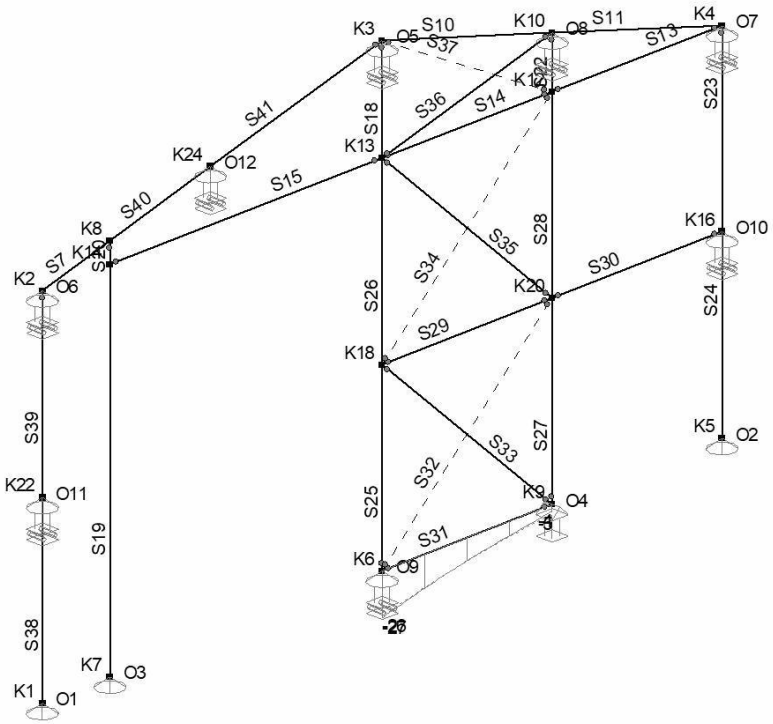
AFB. FU.C.49 TEGENDRUK Fundamenteel Belastingscombinaties



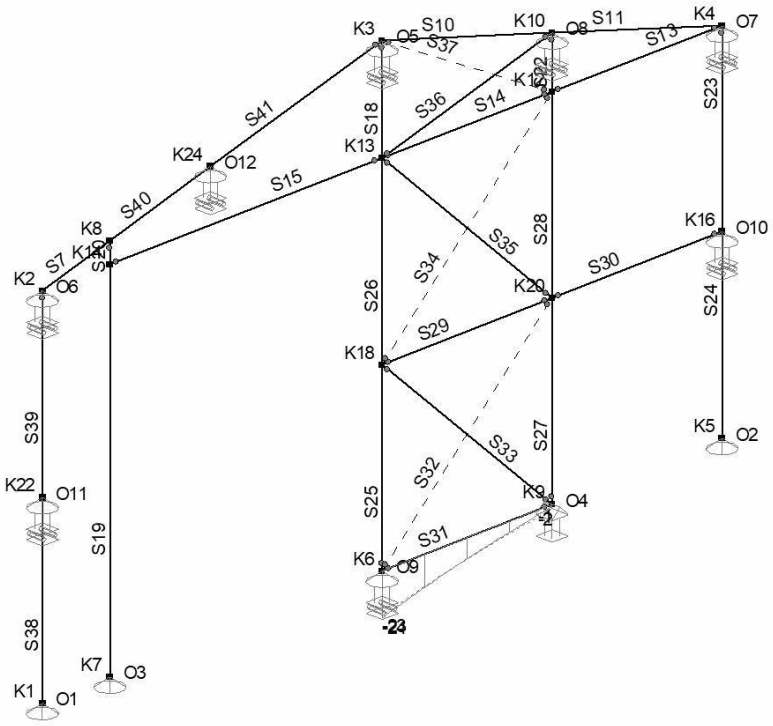
AFB. FU.C.50 TEGENDRUK Fundamenteel Belastingscombinaties



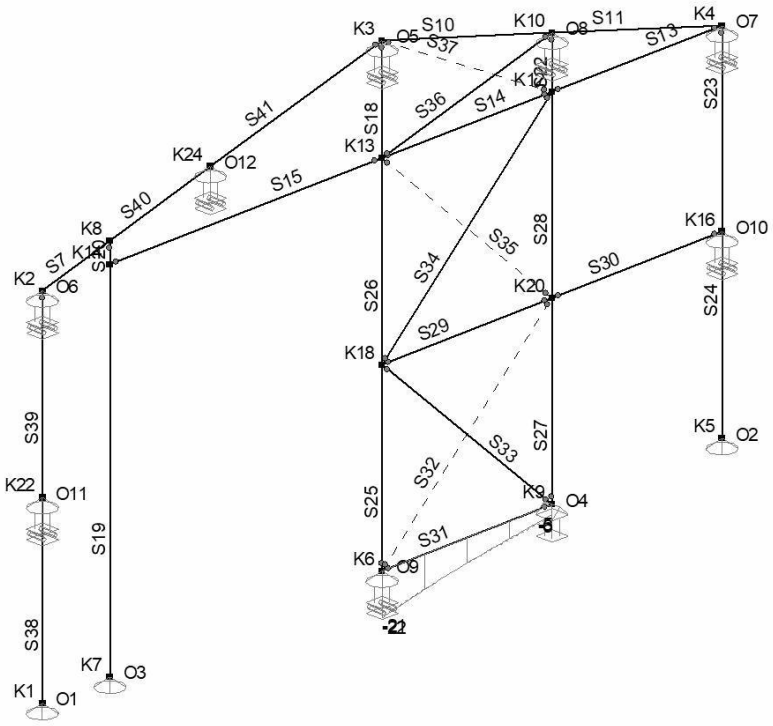
AFB. FU.C.51 TEGENDRUK Fundamenteel Belastingscombinaties



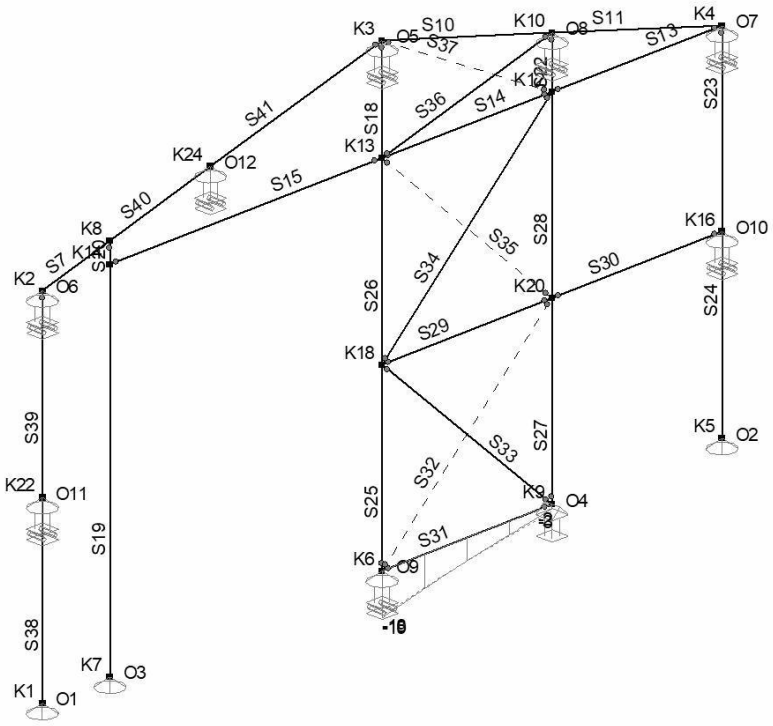
AFB. FU.C.52 TEGENDRUK Fundamenteel Belastingscombinaties



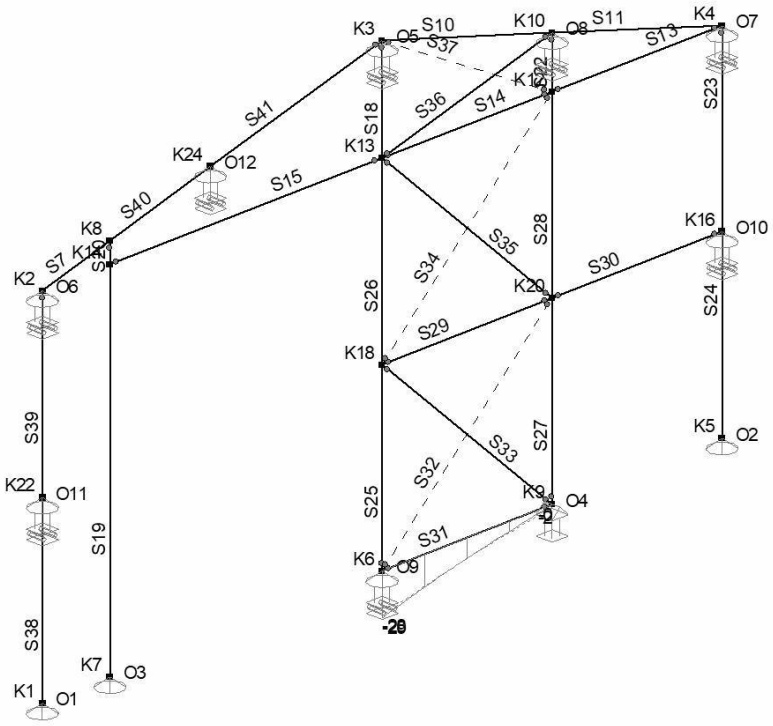
AFB. FU.C.53 TEGENDRUK Fundamenteel Belastingscombinaties



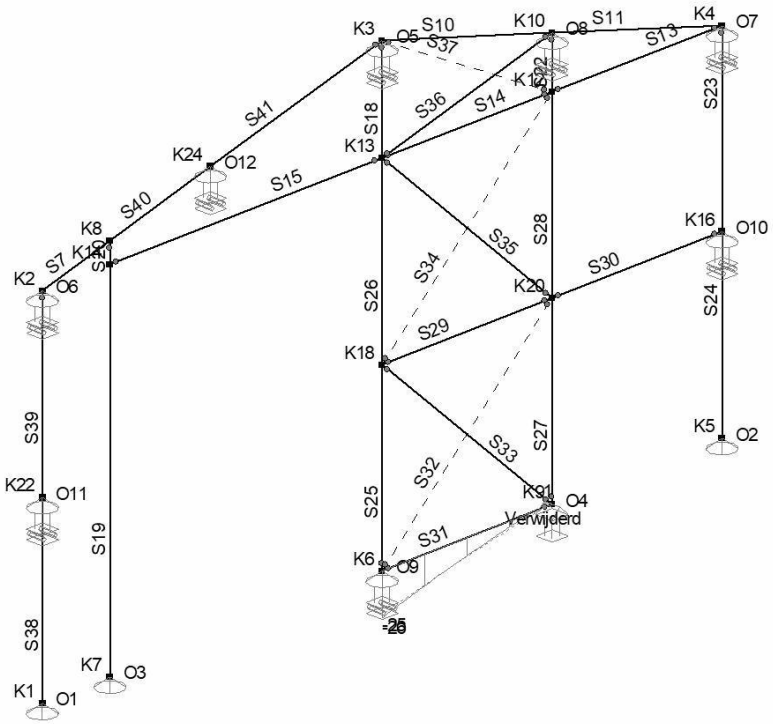
AFB. FU.C.54 TEGENDRUK Fundamenteel Belastingscombinaties



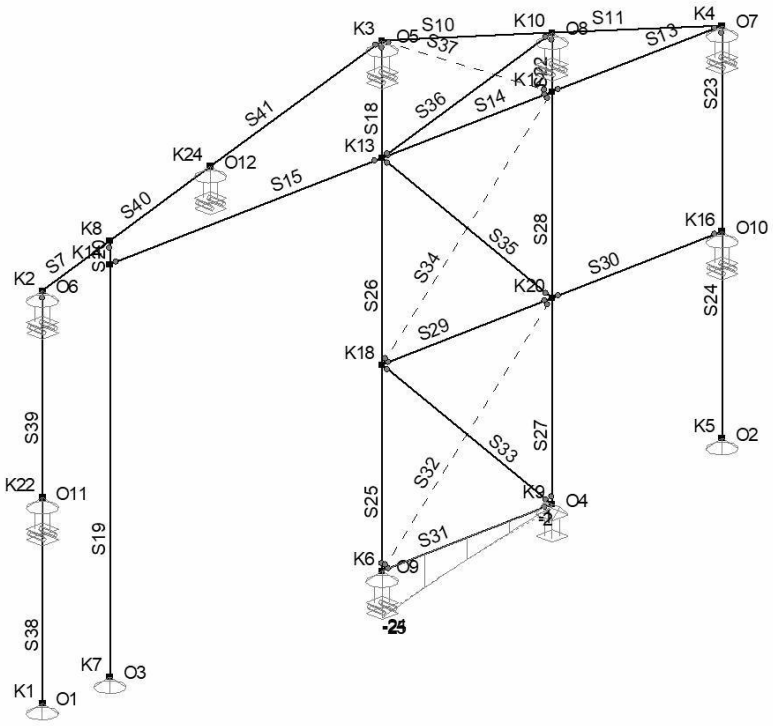
AFB. FU.C.55 TEGENDRUK Fundamenteel Belastingscombinaties



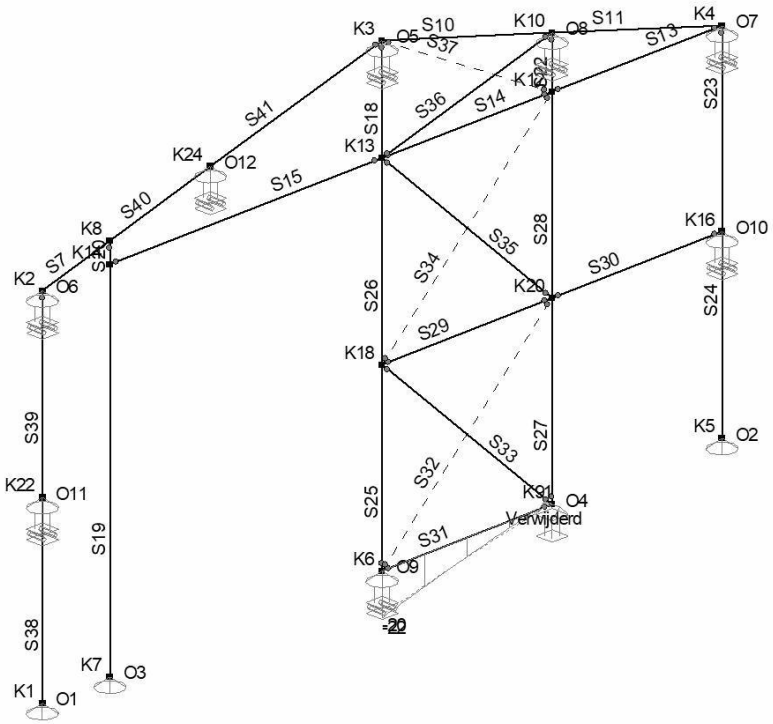
AFB. FU.C.56 TEGENDRUK Fundamenteel Belastingscombinaties



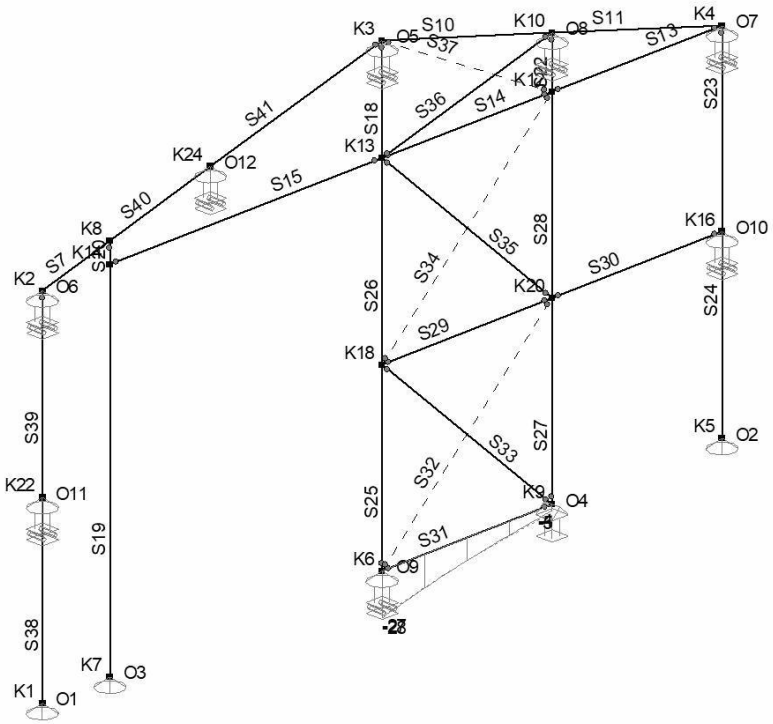
AFB. FU.C.57 TEGENDRUK Fundamenteel Belastingscombinaties



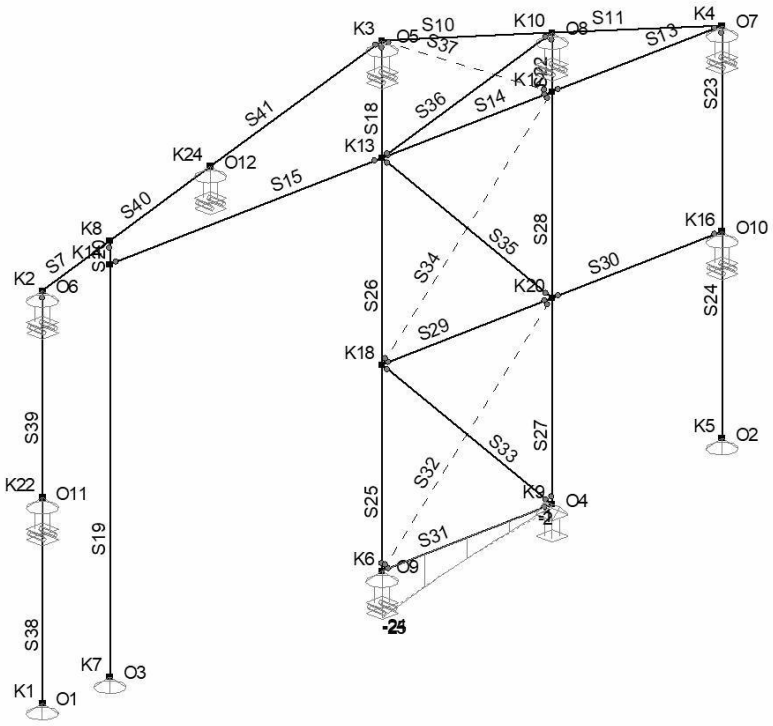
AFB. FU.C.58 TEGENDRUK Fundamenteel Belastingscombinaties



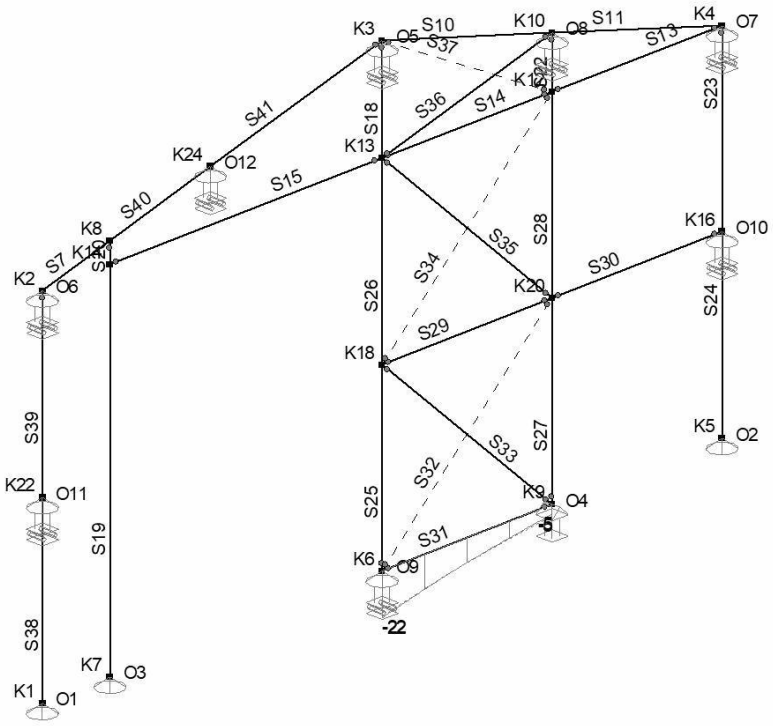
AFB. FU.C.59 TEGENDRUK Fundamenteel Belastingscombinaties



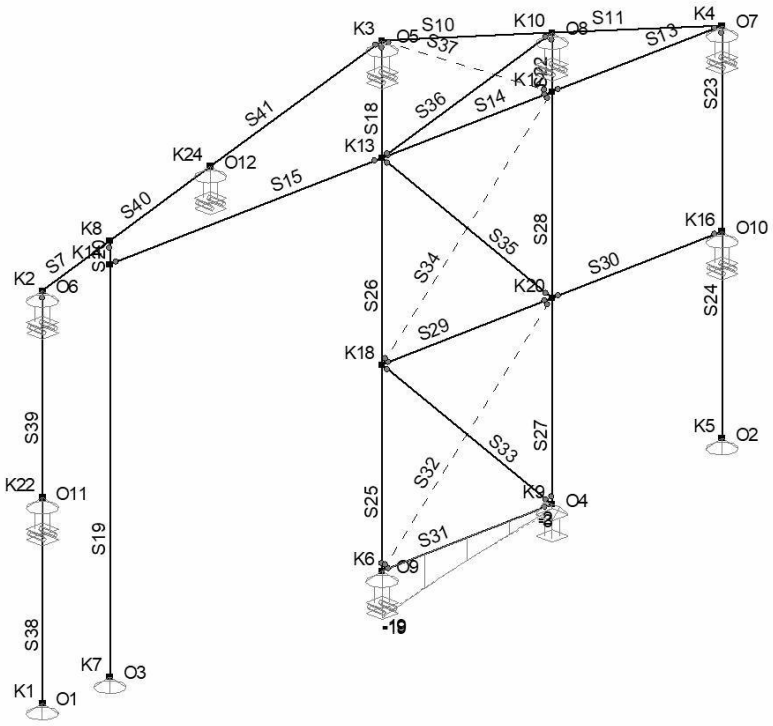
AFB. FU.C.60 TEGENDRUK Fundamenteel Belastingscombinaties



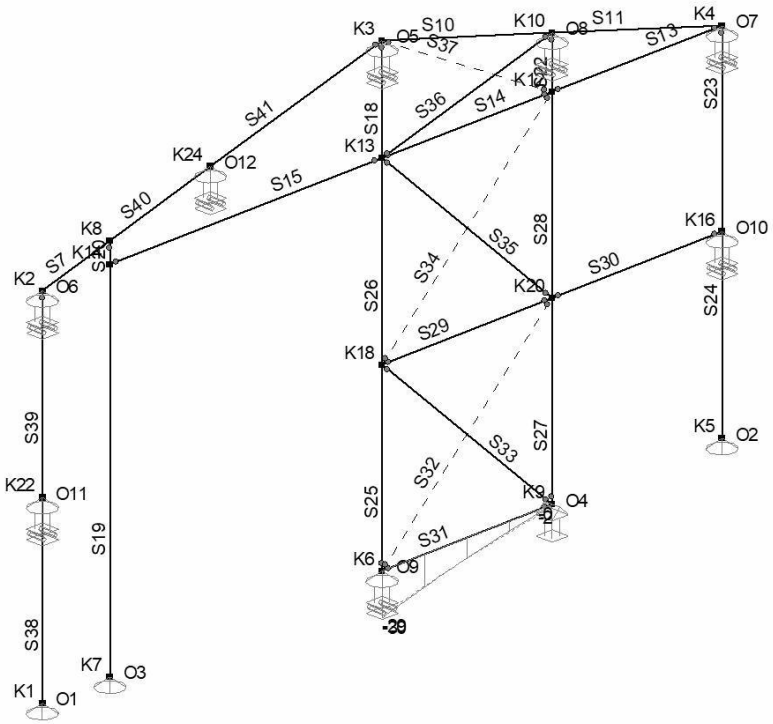
AFB. FU.C.61 TEGENDRUK Fundamenteel Belastingscombinaties



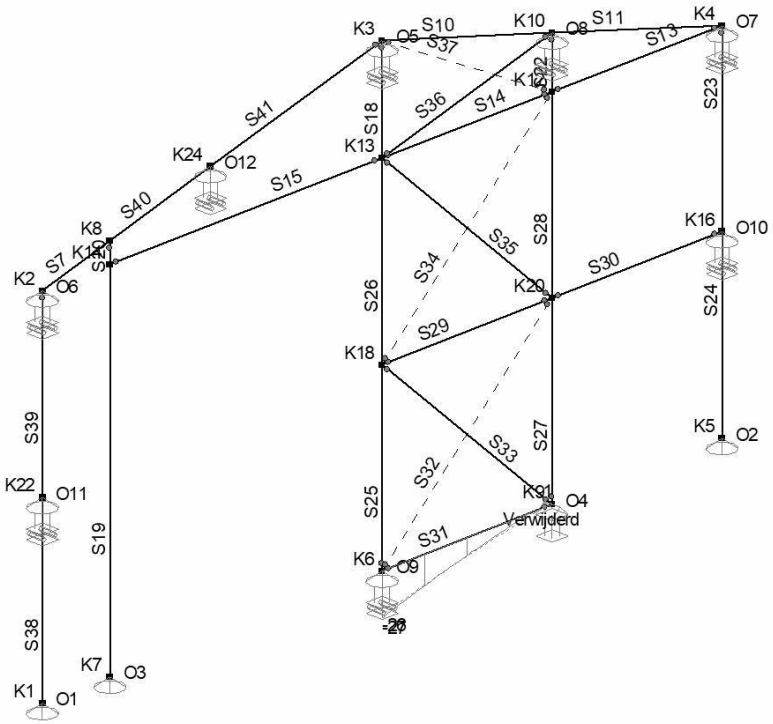
AFB. FU.C.62 TEGENDRUK Fundamenteel Belastingscombinaties



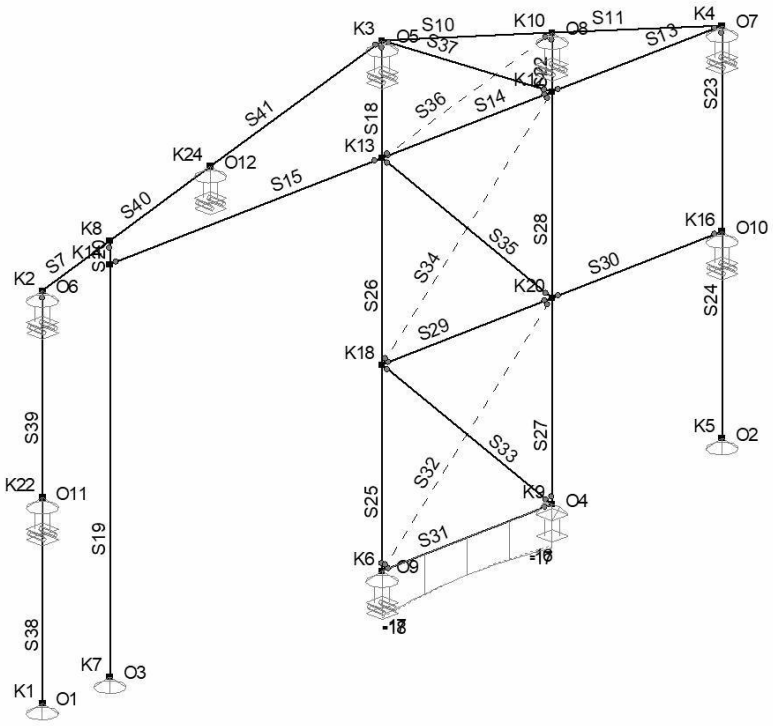
AFB. FU.C.63 TEGENDRUK Fundamenteel Belastingscombinaties



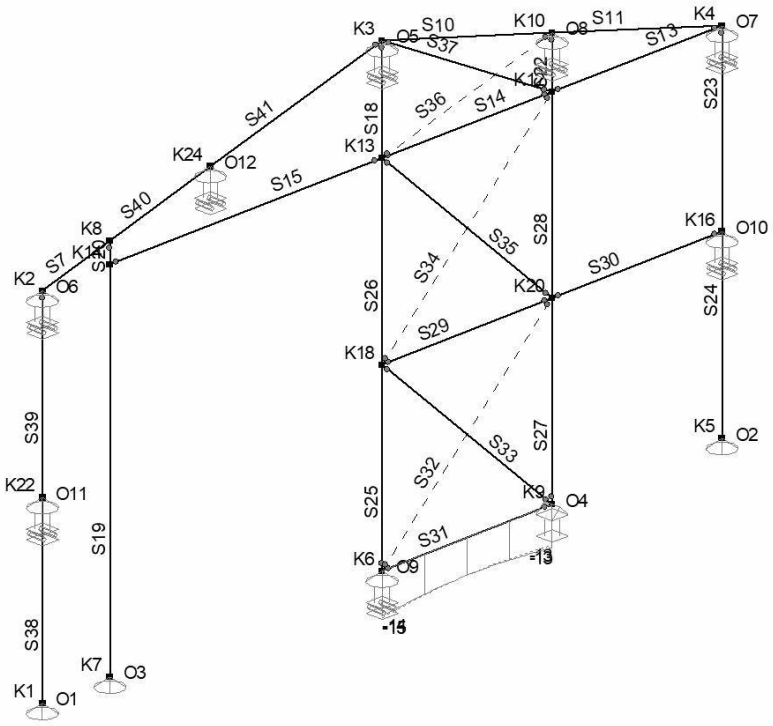
AFB. FU.C.64 TEGENDRUK Fundamenteel Belastingscombinaties



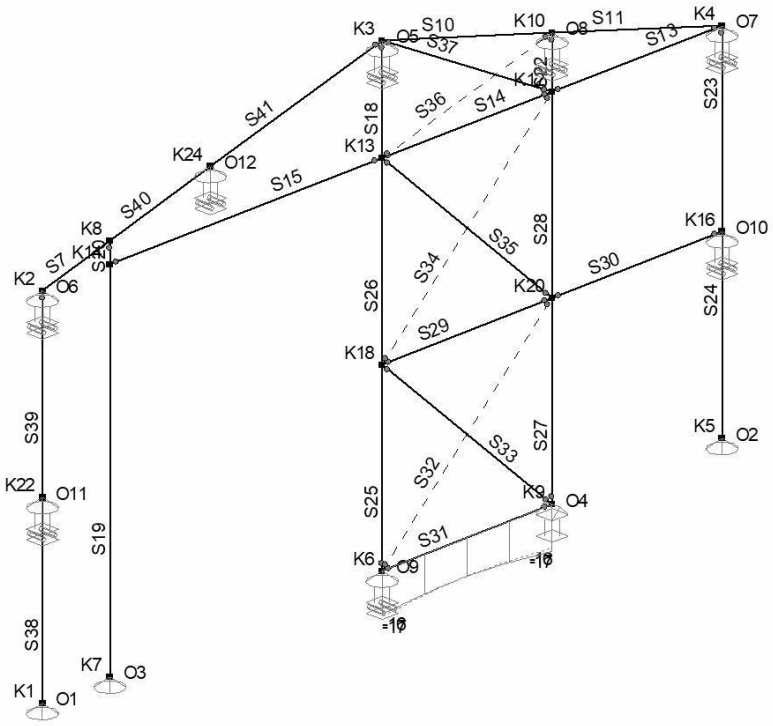
AFB. FU.C.65 TEGENDRUK Fundamenteel Belastingscombinaties



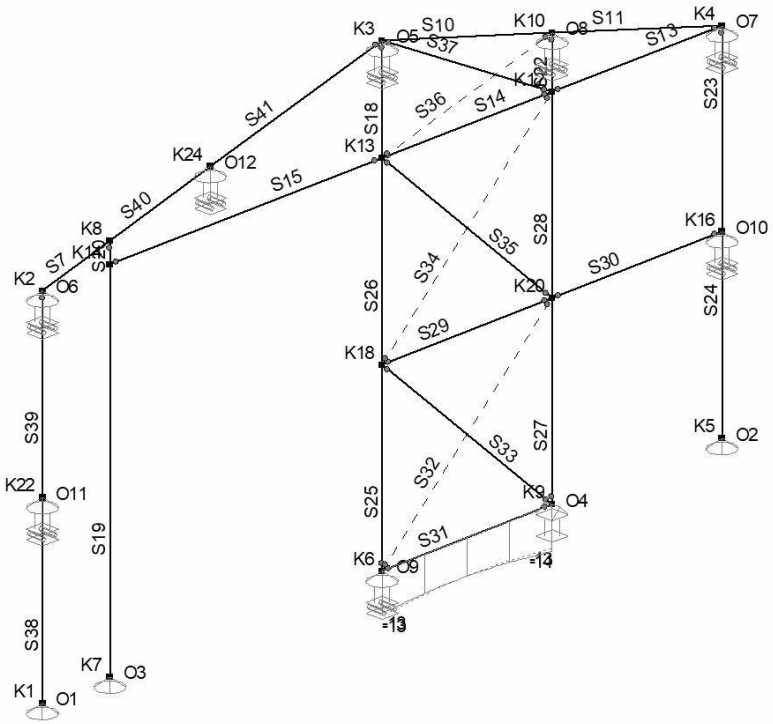
AFB. FU.C.66 TEGENDRUK Fundamenteel Belastingscombinaties



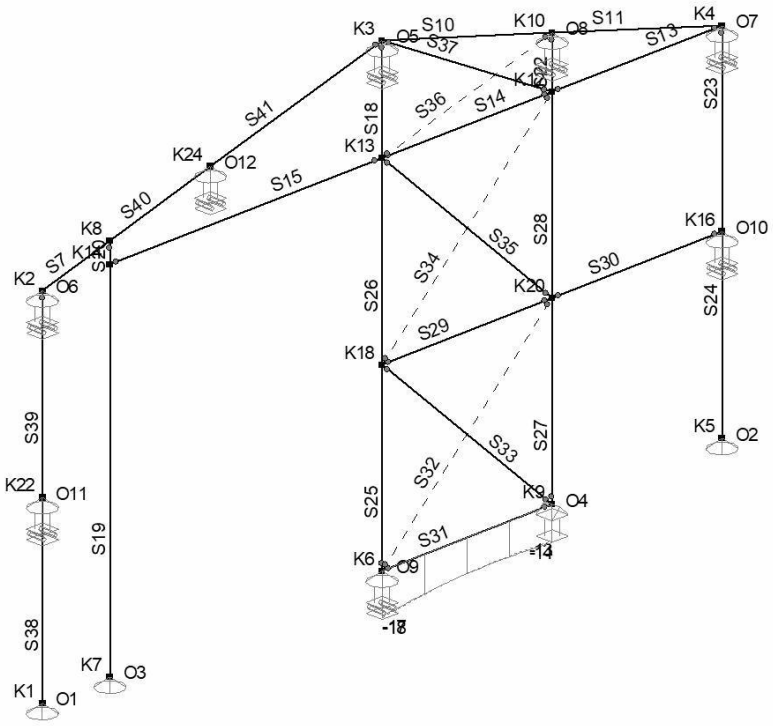
AFB. FU.C.67 TEGENDRUK Fundamenteel Belastingscombinaties



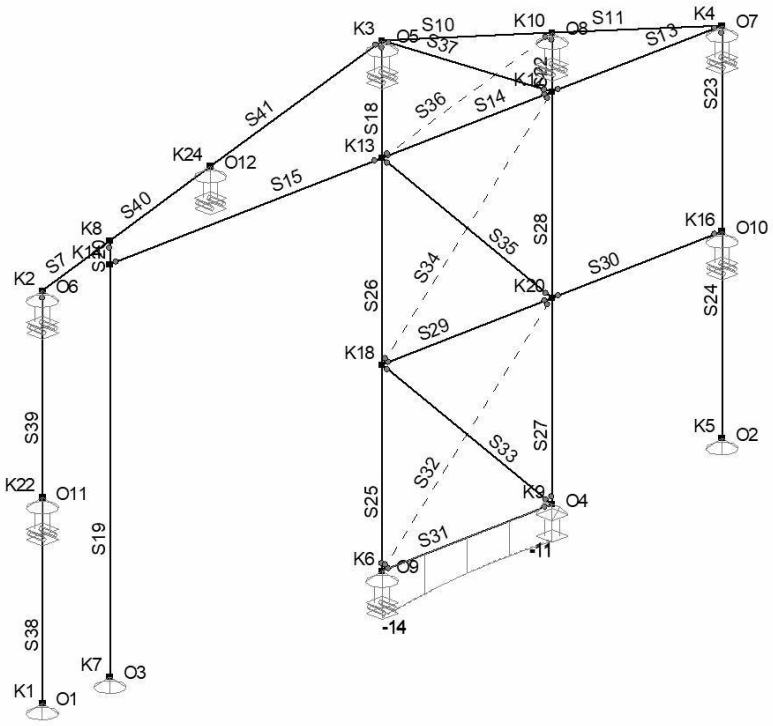
AFB. FU.C.68 TEGENDRUK Fundamenteel Belastingscombinaties



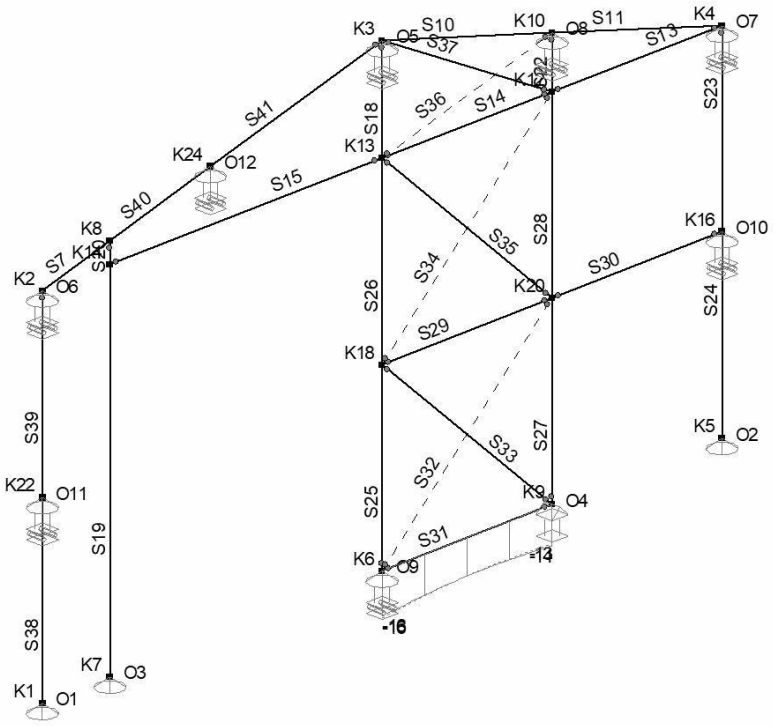
AFB. FU.C.69 TEGENDRUK Fundamenteel Belastingscombinaties



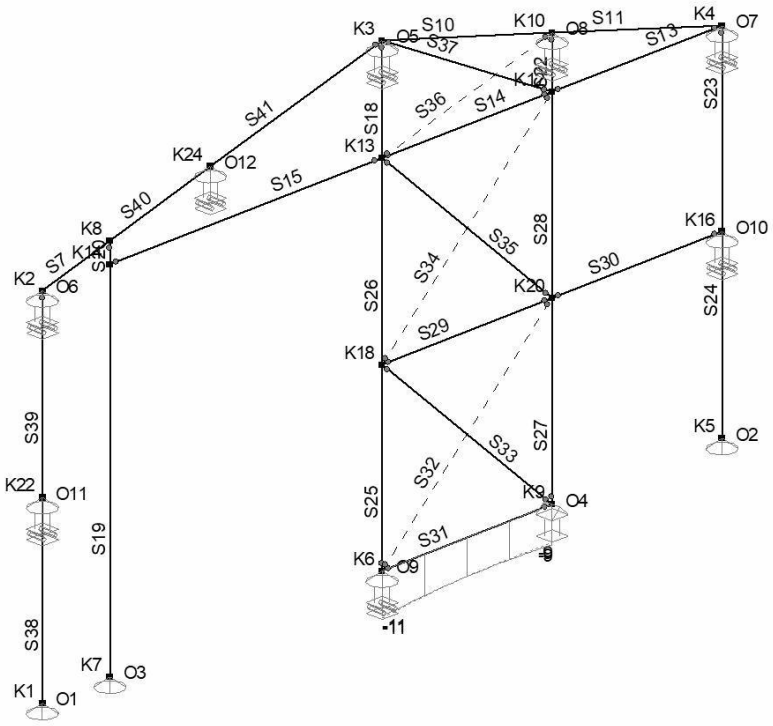
AFB. FU.C.70 TEGENDRUK Fundamenteel Belastingscombinaties



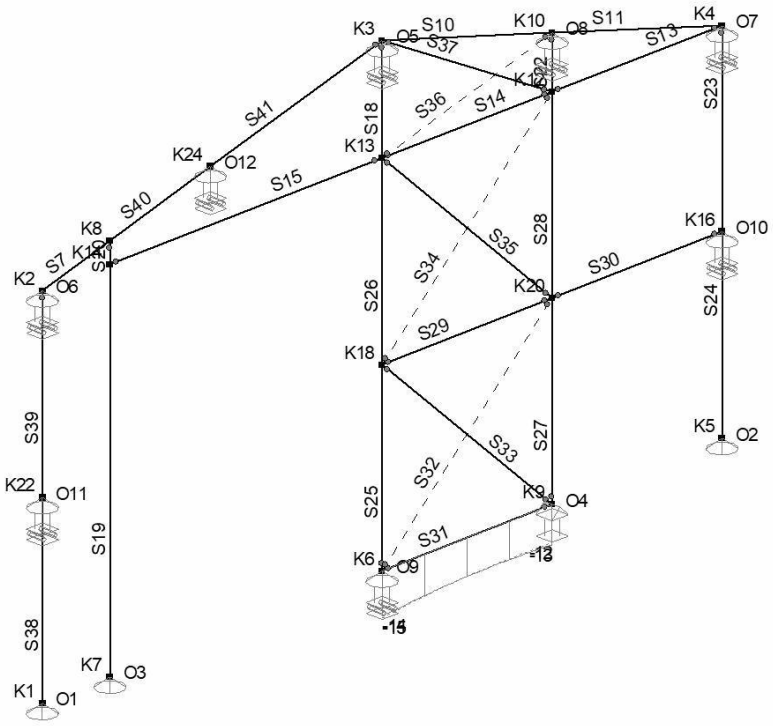
AFB. FU.C.71 TEGENDRUK Fundamenteel Belastingscombinaties



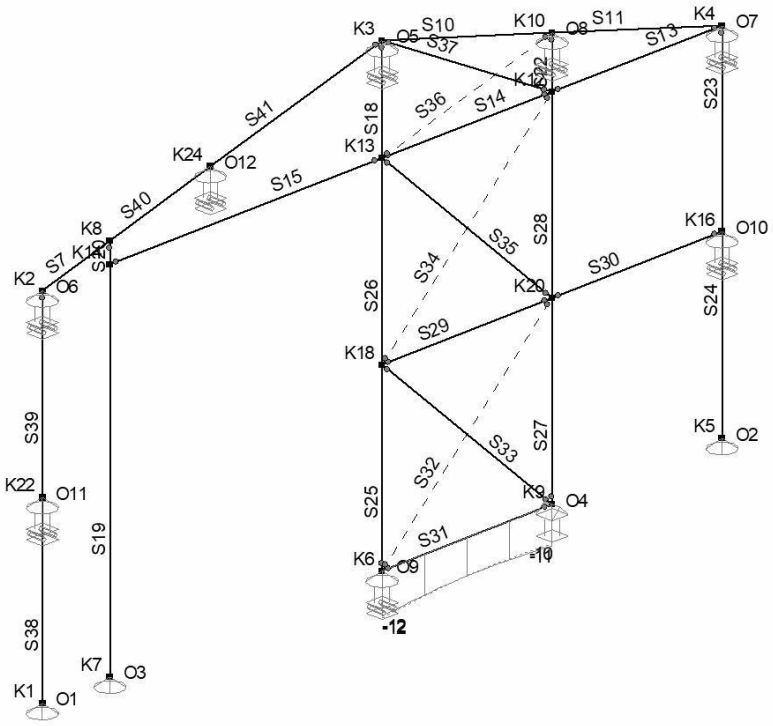
AFB. FU.C.72 TEGENDRUK Fundamenteel Belastingscombinaties



AFB. FU.C.73 TEGENDRUK Fundamenteel Belastingscombinaties

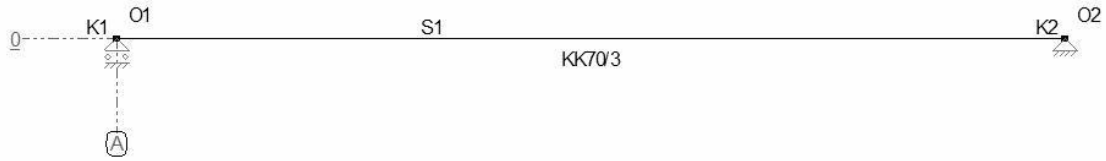


AFB. FU.C.74 TEGENDRUK Fundamenteel Belastingscombinaties



KOPPELKOKERS

AFB. GEOMETRIE



STAVEN

Staaf	Knoop B	Knoop E	X-B	Z-B	X-E	Z-E	Lengte Profiel	Positie
S1	K1	K2	0,00	0,00	5,00	0,00	5,00 P1	0,00 - L(5,00)

PROFIELEN

Profiel	Profielnaam	Oppervlakte	Iy	Materiaal	Hoek
P1	KK70/3	7.8855e-04	5.8457e-07	S275MH/MLH	0,0

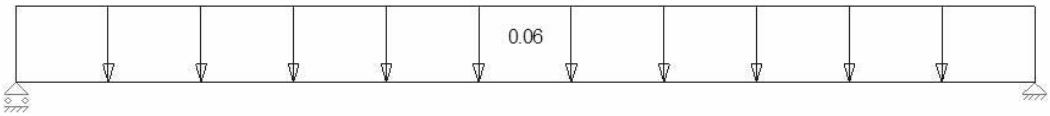
MATERIALEN

Materiaal	Dichtheid	E-Modulus	Uitzettingcoeff
S275MH/MLH	78.50	2.1000e+08	12.0000e-06

OPLEGGINGEN

Oplegging	Object	Positie	X	Z	Yr	HoekYr
O1	K1	0,00	Vrij	Vast	Vrij	0
O2	K2	0,00	Vast	Vast	Vrij	0

B.G.1: PERMANENT



B.G.1: PERMANENT

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.1: Permanent						
qG	0,06 (1.00x)	0,06 (1.00x)	0,00	5,00(L)	Z"	S1

B.G.2: WINDBELASTING

B.G.2: WINDBELASTING

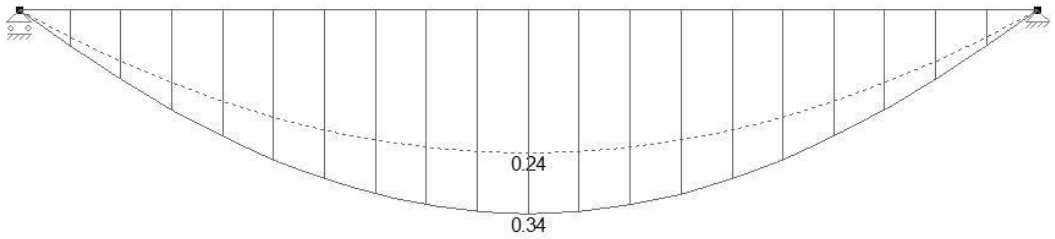
Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.2: Windbelasting						
N	14,00				X	K1

FUNDAMENTEEL BELASTINGSCOMBINATIES (LIJST)

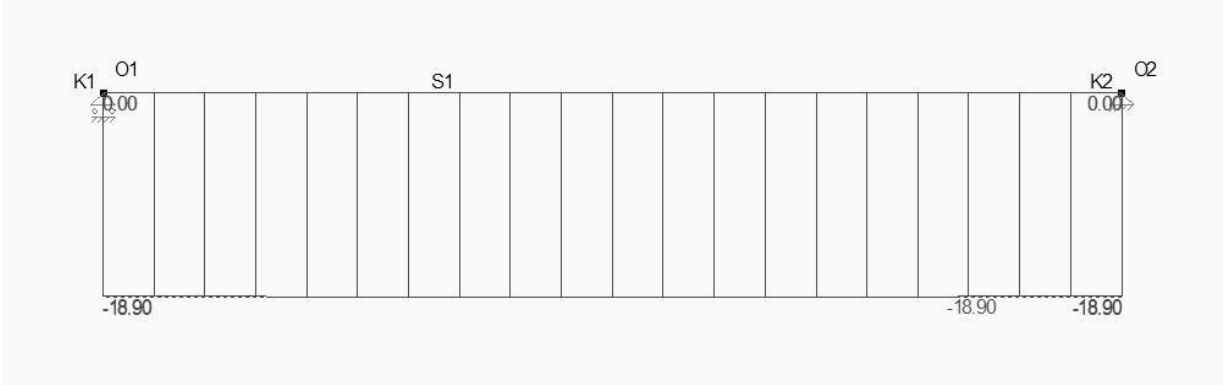
Fu.C.1 = 1.08*B.G.1 + 1.35*B.G.2

Fu.C.2 = 1.22*B.G.1

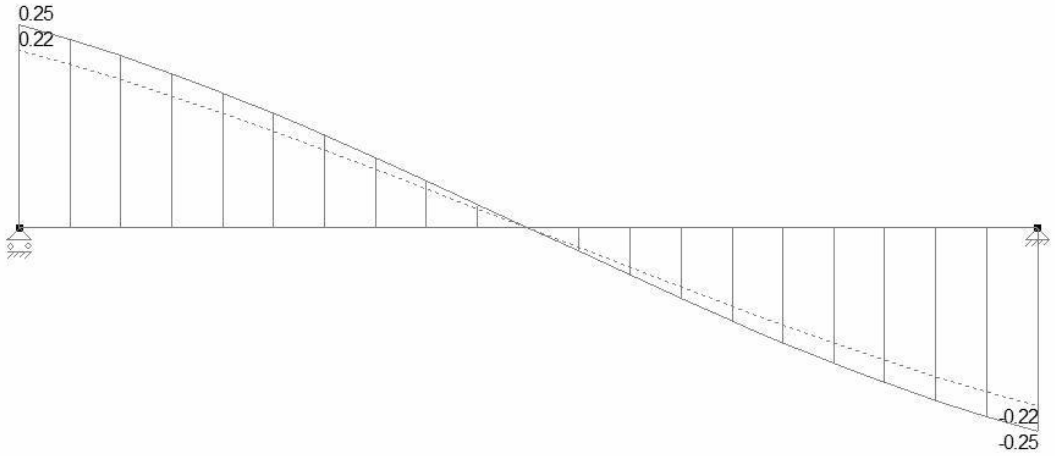
AFB. FU.C. MOMENTEN (MY) OMHULLENDE Fundamenteel Belastingscombinaties



AFB. FU.C. NORMAALKRACHT (NX) OMHULLENDE Fundamenteel Belastingscombinaties



AFB. FU.C. DWARSKRACHT (VZ) OMHULLENDE Fundamenteel Belastingscombinaties



FU.C. EXTREME STAAFKRACHTEN ANALYSE

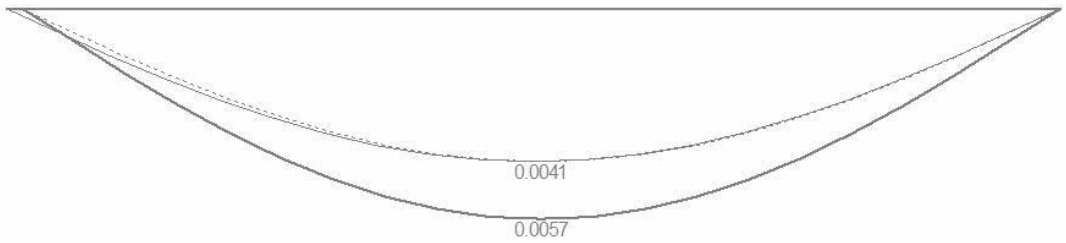
Staaf	B.C.	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Vb	Vmax	Ve
S1	Fu.C.1	0.00	**0.34**	2.50	0.00	0.00	0.00 D	**-18.90**	**0.25**	**0.25**	**-0.25**
	Fu.C.2	0.00	0.24	2.50	0.00	0.00	0.00 T	**0.00**	0.19	0.19	-0.19

FU.C. EXTREME OPLEGREACTIES ANALYSE

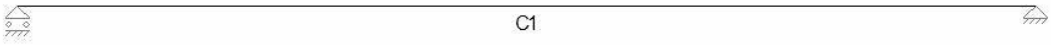
Opleggin g	Knoop	B.C.	Xmax	Z	My	B.C.	X	Zmax	My	B.C.	X	Z	Mymax
O1	K1					Fu.C.2	0.00	**-0.19**	0.00				

O2	K2	Fu.C.1	**-18.90**	-0.17	0.00	Fu.C.2	0.00	**-0.19**	0.00
Globale extreme waarden									
O2	K2	Fu.C.1	**-18.90**	-0.17	0.00				
O2	K2					Fu.C.2	0.00	**-0.19**	0.00

AFB. KA.C. VERPLAATSINGEN OMHULLENDE Karakteristiek Belastingscombinaties



AFB. STAALDEFINITIE



DOORBUIGINGGEGEVENS

Staaf	Constructietype	Toetsing	Zeeg Y'	Zeeg Z'	Zeegvorm	w;max	w;2+w;3
C1 - V1 (0.000-5.000)		Vloer	Algemeen	0	0	Parabolisch	L/250 L/333

BRANDWERENDHEIDGEGEVENS

Staaf	Statisch systeem	Kniklengte Y'	Kniklengte Z'	Isolatie	Dikte	Profielcode:	Eis hitte best.
C1 - V1 (0.000-5.000)	Balk	5,000	N/A	Geen	N/A	Oppervlak	30

UC'S PER CONSTRUCTIEDEEL NEN-EN1993-1-1:2016/NB:2016

Label	Toetsing	Combinatie	Artikel	UC max
C1	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.9)	0,09
	Doorbuigingstoetsin	Qu.C.1	NEN-EN|NEN-EN1990/NB A1.4.2	0,21
	Brandwerendheid	Bi.C.1	NEN-EN1993-1-2#4.2	0,41

F. FUNDERING

ALGEMEEN

Fundering uitvoeren als fundering op staal.
Strookdikte 300mm.
Bouwput ontgraven tot vaste bank, spreiding 1:1.
Bestaande grondslag en eventuele grondverbetering controleren.
Aanvullen in lagen van 200 á 300mm, met schoon zand.
Kruislings verdichten met trilplaat van 2 á 4 kN, met slagkracht van 20 kN.
Storten op PE-folie, extra dekking op de onderwapening 50mm.
Gerekend met gronddekking van minimaal 400mm.
Ter plaatse van muuropeningen groter dan 2000mm, onder- en bovenwapening toepassen.
Fundering is aanname, en dient aan de hand van nog te maken sonderingen te worden gecontroleerd.

STROKEN

Berekening stroken zie uitvoer raamwerken staalconstructie.

POEREN

Maatgevende poer: reactiekracht uit spant = 78.1 kN + 5.0m x 3.0m x 3.75 x 1.22 = 146.8 kN

uitgangspunten poer						
breedte b =	1000	mm	betonsterkte =	C20/25		
lengte L =	1000	mm	c =	35	mm	
dikte h =	300	mm	nuttige hoogte d =	257	mm	
belasting						
P_{Ed} =	146,8	kN				
$P_{eg,d}$ =	9,0	kN	grondspanning =	**155,8**	kN/m²	
wapeningsberekening						
M_{Ed}=	19,5	kNm/m¹	$A_{s\ ben}$ =	221	mm²/m¹	
Pas toe:	**Ø8**	**- 150**	$A_{s\ toeg}$ =	335	mm²/m¹	OK
ponscontrole						
a_1 =	200	mm	$v_{Rd,c}$ =	0,40	N/mm²	
a_2 =	200	mm	v_{max} =	2,53	N/mm²	

	a	u	A	$V_{ed,red}$	v_{Ed}	v_{Rd}	
	mm	mm	mm²	kN	N/mm²	N/mm²	
snede 1, a = 0	0	800	40000	140,9	0,69	2,53	OK
snede 2, a = d	257	2415	453099	80,3	0,13	0,81	OK
snede 3, a = 2d	514	4030	1281196	-41,3	-0,04	0,40	OK

POER EXCENTRISCH

factor perm. bel.	=	1,2						
Poerafmeting:								
breedte	=	1200	mm					
lengte	=	1200	mm					
dikte	=	300	mm			8,64	kN/m^2	
gronddekking	=	400	mm			8,64	kN/m^2	
M	=	0,00	kNm	e_0 =		0	mm	M/N!!
								randafstand
N	=	78,10	kN	e =		435	mm	165 mm
bi-blad	=	13,70	kN	e =		170	mm	430 mm
bu-blad	=	0,00	kN	e =		600	mm	0 mm
Beton	=	12,44	kN	e =		0	mm	
Grond	=	12,44	kN	e =		0	mm	
$N_{v;d}$	=	**116,68**	kN	e_{tot} =		311	mm	
M_d	=	36,30	kNm					
e	=	311	mm	→	< 1/3 lengte: standzeker			
B_{eff}	=	578	mm					
Grondspanning	=	168,30	kN/m^2					