



wopereis staalbouw bv



Email: s.kromkamp@wopereis.nl
Tel: 0314-335941
Fax: 0314-365216 / 0314-345005

Fabriekstraat 33
7000 AL Doetinchem
Postbus 463

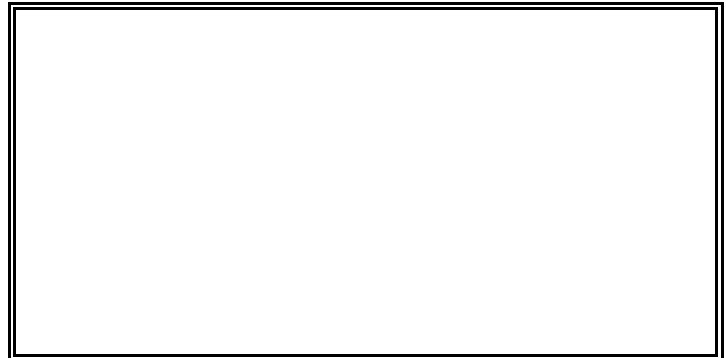
Order nr: *A.1000*
Werk: Uitbreiding Baltes
Datum: 10-11-2017

Statische berekening

Werk:	Uitbreiding Baltes
Order nr:	*A.1000*
Adres:	Nijverheidsweg 9
Plaats:	Steenderen
Tel. klant:	
Email klant:	
Land:	Nederland

Aannemer:	
Contactpers.:	
Tel. aann.:	
Email aann.:	

Constructeur:	S. Kromkamp
Datum:	10-nov-17
	 * A - 1 0 0 0 *





Email: s.kromkamp@wopereis.nl
Tel: 0314-335941
Fax: 0314-365216 / 0314-345005

Fabriekstraat 33
7000 AL Doetinchem
Postbus 463

Order nr: *A.1000*
Werk: Uitbreiding Baltes
Datum: 10-11-2017

Algemene informatie

Aangehouden voorschriften, kwaliteitseisen:

De statische berekening is uitgevoerd volgens de constructie voorschriften uit de NEN-EN 1990 - serie.

Indien niet anders is aangegeven is uitgegaan van :

voor gewapende betonconstructies	: betonkwaliteit C20/25	staalkwaliteit B500A
voor staalconstructies	: staalkwaliteit S235	
voor houtconstructies	: houtkwaliteit C24	
voor steenconstructies	: kalkzandsteenlijmelementen, CS12.	
	Product	Min. Drukst.: 12,0 N/mm ² .
	Mortel	Min. Drukst.: 7,5 N/mm ² .

Gebruikte eenheden:

Indien niet anders wordt aangegeven zijn de volgende eenheden aangehouden:

overspanningen	in m ¹
belastingen	in kN/m ² of in kN/m ¹ of in kN
afmetingen	in mm ¹
spanningen	in N/mm ²
wapening	in mm ² of mm ² /m ¹ plaatbreedte

Gevolgklasse, Betrouwbaarheidsklasse en ontwerplevensduur:

Het project is ingedeeld in CC 2 en RC2 met een ontwerplevensduur van 50 jaar.

Tekeningen

Als uitgangspunt voor deze berekening is gebruik gemaakt van de volgende tekeningen(en):

* Wopereis - VO - Uitbreiding Baltes - d.d. 2016-01-26 - tek. 1



Email: s.kromkamp@wopereis.nl
 Tel: 0314-335941
 Fax: 0314-365216 / 0314-345005

Fabriekstraat 33
 7000 AL Doetinchem
 Postbus 463

Order nr: *A.1000*
 Werk: Uitbreiding Baltes
 Datum: 10-11-2017

Gewichten

Wind	Gebied: III	Onbebouwd							
$q_{k;wind}$	=	Gebied III, Onbebouwd	$H \leq 12500$ mm	=	0,75 kN/m ²				
C_{pe}	=	Druk / Zuiging	Conform drukcoëfficiënten NEN-EN 1991-1-4						
C_{pi}	=	+0,2 en -0,3							
Platdak	Stalen dakplaten								
G_k	=	Stalen dakplaat + PS-isolatie + dakbeddeking		=	0,40 kN/m ²				
$q_{k;sneeuw}$	=	0,7	x	0,8	x	1,00	=	0,56 kN/m ²	($\psi_0 = 0,0$)
q_k	=						=	1,00 kN/m ²	($\psi_0 = 0,0$)
Q_k	=						=	1,50 kN	($\psi_0 = 0,0$)

Diverse

Platdak **Stalen dakplaten**
 Stalen dakplaten dienen kipstabiliteit te verzorgen
 Dak onder afschot plaatsen (zie overzicht) i.v.m. wateraccumulatie
 Bestaande dak dient gecontroleerd te worden op extra water en sneeuwlast
 (e.e.a. aan te leveren in een aanvullende berekening)

Fundering op staal / palen
 (e.e.a. aan te leveren in een aanvullende berekening)

Brand
 Dakliggers voorzien van "kantelnok" zie blz.
 Brandscheidingswand aanbrengen tegen bestaand / kantoor van 60min WBDBO
 Kolommen dienen ingeklemd te worden in de fundering en brandwerend bekleed te worden



Email: s.kromkamp@wopereis.nl
Tel: 0314-335941
Fax: 0314-365216 / 0314-345005

Fabriekstraat 33
7000 AL Doetinchem
Postbus 463

Order nr: *A.1000*
Werk: Uitbreiding Baltes
Datum: 10-11-2017

Algemene gegevens

Staalconstructie:

- blijvend hemelwaterafschot min. 20mm/m
- bevestiging dak- en wandplaten volgens berekening leverancier
- bij alle randen en hoeken van dak-, en wandplaten rekening houden met verhoogde windbelasting
- aangegeven zegen zijn exclusief hemelwaterafschot
- voorzieningen t.b.v. valbeveiliging volgens opgaaf leverancier
- deze staalconstructieberekening omvat alleen de hoofddraagconstructie
- detailberekening staalconstructie volgens leverancier staalconstructie
- staalconstructie in een vochtige omgeving conserveren
- lichtstraten die haaks op de afschotrichting lopen niet langer dan twee stramienen

Wanden

- i.v.m. de verwachte krimpscheuren kalkzandsteen wanden pas na twee stookseizoenen voorzien van een eventueel harde afwerking
- geveldilataties aanbrengen volgens advies leverancier
- dragend metselwerk en metselwerk t.b.v. van stabiliteit (indien niet anders aangegeven) op de hoeken altijd in verband metselen
- aansluitingen bestaande buitenspouwbladen met nieuwe buitenspouwbladen indien niet anders aangegeven dilateren

Vloeren

- bij scheurgevoelige wanden op de vloer: $f_{bijk} = 1/500l$ met een maximum van 12mm
- vloeren zijn niet gecontroleerd op trilling tenzij anders aangegeven

Fundering / vloeren op zand:

- bij niet vrijdragende betonvloeren zullen altijd zettingverschillen in de vloer ontstaan in overleg met opdrachtgever eventueel advies aanvragen bij een grondmechanisch adviseur
- beton dient gestort te worden op een voorbereide ondergrond (inclusief schraalbeton)

Kelders:

- i.v.m. verhinderde krimp van de kelderwand is het raadzaam min. 2xR10(B500A) extra horizontaal in de kelderwand aan te brengen
- de keldervloer is gewapend op sterkte, waarmee scheurvorming niet is uit te sluiten en de kelder daarmee niet waterdicht is. Dit is toelaatbaar indien niet in een waterwinningsgebied wordt gebouwd.
- bovenstaande dient de aannemer na te gaan en evt. met Wopereis te overleggen
- wanden te storten in fasen met een lengte van max ca. 10,00 meter
- een stort met grotere lengte's vereist extra langswapening in de wanden.
- Storten in grotere lengtes vereisen bijzondere zorgvuldigheid tijdens de uitvoering om onbeheersbare krimp-scheurvorming te voorkomen.
- Een aangepast betonmengsel in overleg met de centrale en een zorgvuldige nabehandeling minimaliseert de kans op scheurvorming.
- Geadviseerd wordt, om onbeheersbare krimpscheur-vorming in de vloer te voorkomen, in de vloer een 1,2m brede krimpstrook aan te brengen, die na minimaal 2 weken uitharding van de beide vloer-velden afgestort wordt.
- De vloer-wapening mag niet van het ene veld naar het andere veld, door de krimpstrook heen, doorlopen omdat het dan het krimpen van de velden alsnog verhinderd wordt; in de wapening moet dus t.p.v. de krimpstrook een las met overlap van de netten worden aangebracht.
- Er dient een peilbuis geslagen te worden zodat de gebruiker de grondwaterstand na kan gaan voordat de kelder leeggepompt wordt.
- Langs de kelder dient voorzichtig te werk gegaan te worden bij het aanvullen met grond



Email: s.kromkamp@wopereis.nl
 Tel: 0314-335941
 Fax: 0314-365216 / 0314-345005

Fabriekstraat 33
 7000 AL Doetinchem
 Postbus 463

Order nr: *A.1000*
 Werk: Uitbreiding Baltes
 Datum: 10-11-2017

Windbelasting kopgevel

$$q_{k;wind} = 0,75 * (0,8+0,5) * 0,85 = 0,83 \text{ kN/m}^2$$

$$C_{fr;l} = 0,75 * (0,04) * 0 = 0,00 \text{ kN/m}^1$$

$$C_{fr;b} = 0,75 * (0,04) * 0 = 0,00 \text{ kN/m}^1$$

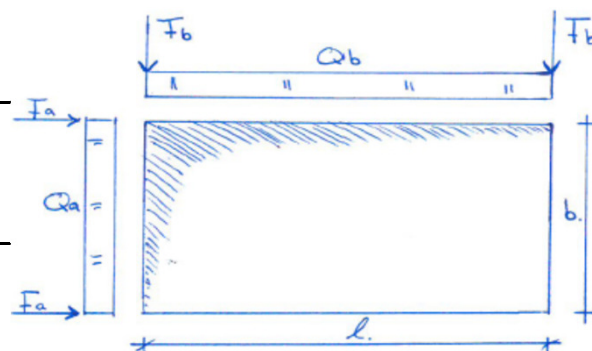
breedte 25,00 m
 hoogte 12,50 m
 diepte 37,00 m
 $A_{fr;l}$ 0,00 m
 $A_{fr;b}$ 0,00 m

	h			qk	
str. A / C	12,00	*	0,50	*	0,83 = 4,97 kN/m ¹
	0,50	*	1,00	*	0,83 = 0,41 kN/m ¹
					C_{fr} = 0,00 kN/m ¹
					Q_a = 5,39 kN/m ¹

12,00	*	0,50	*	0,00	=	0,00 kN
0,50	*	2,00	*	0,00	=	0,00 kN
				F_a	=	0,00 kN

	h			qk	
str. 1 / 11	12,00	*	0,50	*	0,83 = 4,97 kN/m ¹
	0,50	*	1,00	*	0,83 = 0,41 kN/m ¹
					C_{fr} = 0,00 kN/m ¹
					Q_b = 5,39 kN/m ¹

12,00	*	0,50	*	0,00	=	0,00 kN
0,50	*	2,00	*	0,00	=	0,00 kN
				F_b	=	0,00 kN



Veerconstanten:

Opl 1)	100	/	0,017	=	5882
Opl 2)	125	/	0,012	=	10417
Opl 3)	140	/	0,014	=	10000
Opl 4)	100	/	0,011	=	9091

Overige opmerkingen:

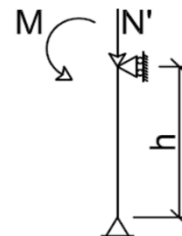
* Voor berekening, opleggingen, zie bijlage blz. 101 t/m 116



Drukkers en Windverbanden (Dak)

Onderdeel: **1** Max N'd = **118,5** kN S35
 Max M = **0** kNm
 hoogte / lengte = **5,60** m.

Kies: Drukker Koker 120x120x5



Onderdeel: **2** Max N'd = **50,64** kN S16
 Max M = **0** kNm
 hoogte / lengte = **5,60** m.

Kies: Drukker Koker 100x100x3

Onderdeel: **3** Max N'd = **30,49** kN S9
 Max M = **0** kNm
 hoogte / lengte = **5,60** m.

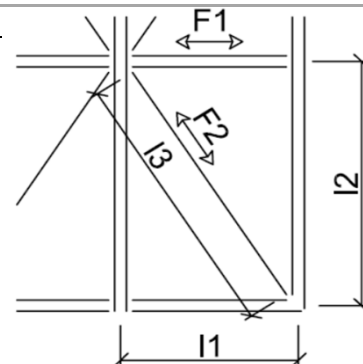
Kies: Drukker Koker 80x80x3

Onderdeel: **4** Max Nd = **178,19** kN S83
 Lengte 1 = **5,60** m.
 Lengte 2 = **6,25** m.
 Lengte 3 = **8,39** m.
 Aben = **758** mm

Kies: Windverband L100x100x10 + 2M24

Overige opmerkingen:

* Bouten aan constructie, 2M24, e1 = 60mm, s1 = 80mm



Onderdeel: **5** Max Nd = **125,92** kN S76
 Aben = **536** mm

Kies: Windverband L80x80x8 + 2M20

Overige opmerkingen:

* Bouten aan constructie, 2M20, e1 = 50mm, s1 = 70mm

Onderdeel: **6** Max Nd = **65,1** kN S73
 Aben = **277** mm

Kies: Windverband L60x60x6 + 2M16

Overige opmerkingen:

* Bouten aan constructie, 2M16, e1 = 40mm, s1 = 60mm

* Voor berekening, maximale belasting, zie bijlage blz. 101 t/m 127

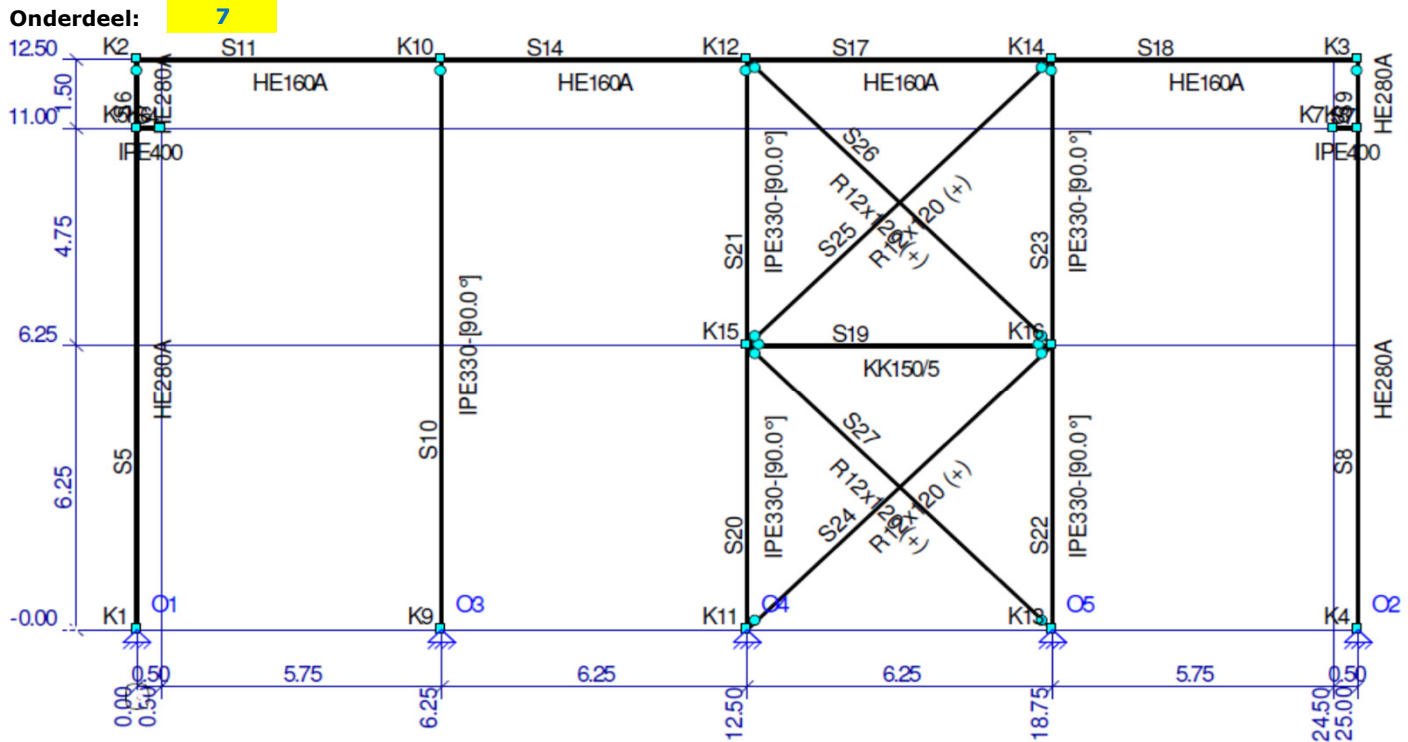


Email: s.kromkamp@wopereis.nl
Tel: 0314-335941
Fax: 0314-365216 / 0314-345005

Fabriekstraat 33
7000 AL Doetinchem
Postbus 463

Order nr: *A.1000*
Werk: Uitbreiding Baltes
Datum: 10-11-2017

Stalen spant (As 2 & 9)



Q=	Hellend dak	=	0,40	x	1,00	=	Gk	0,40	Qk	
	Sneeuw μ ;1	=		1,00	x	1,00			1,00	$\psi = 0,0$
	Wind	=		0,75	x	1,00			0,75	$\psi = 0,0$
	Kraanbaan	=		90,00	x	1,00			90,00	$\psi = 1,0$

H.o.h. spant: **2,80** m

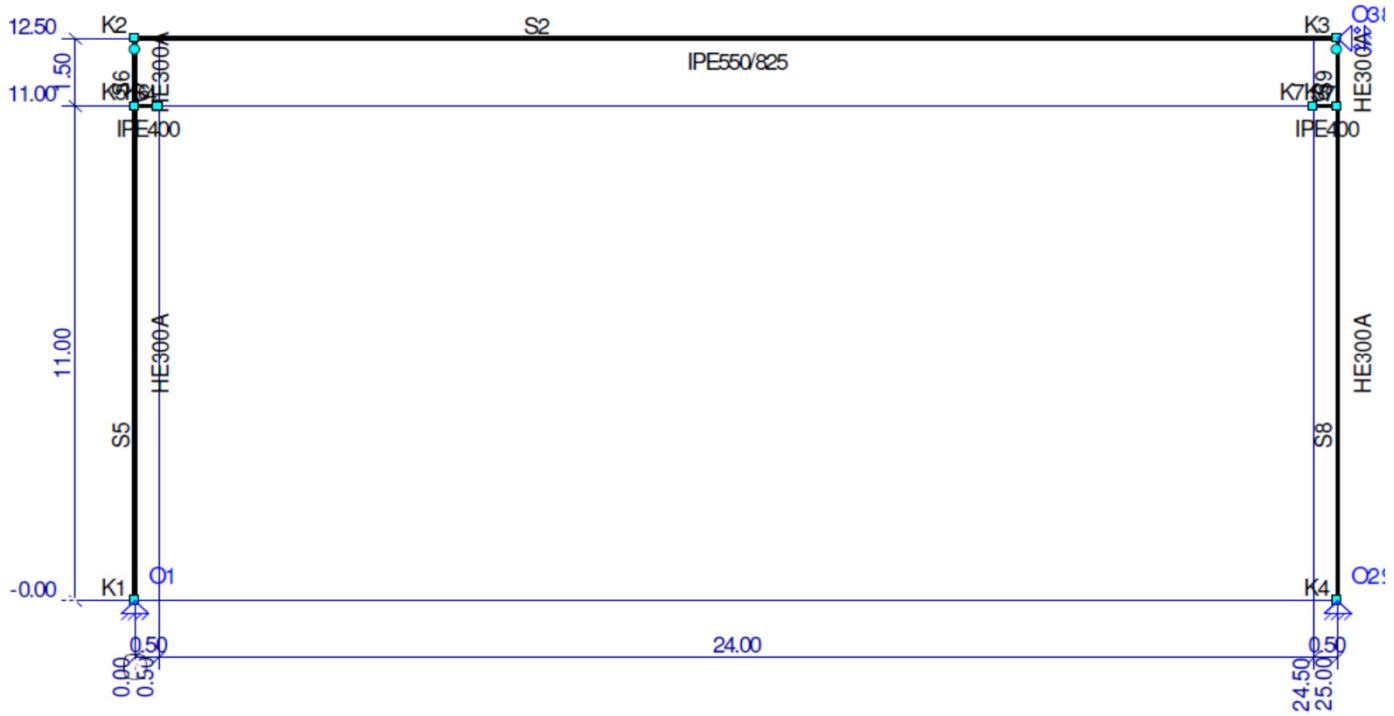
Kies: Spantliggers	HE160A
Spantbenen	HE280A
Tussenkolom	IPE330
Windverband	Strip 12*120
Drukker	Koker 150x150x5

Overige opmerkingen:

- * Dakplaten dienen kipstabiliteit te verzorgen
- * Voor berekening, overige lasten en combinatie's, zie bijlage blz. 128 t/m 167
- * Strip 12*120, bouten aan constructie, 2M24, $e_1 = 60\text{mm}$, $s_1 = 80\text{mm}$
- * Spantbenen plaatsen op ankers: 4M20, tussenkolom 4M20
- * T.p.v. tussenkolom, 2x schotje $t=10\text{mm}$
- * Voetplaat kolom, $t=15\text{mm}$

Order nr: *A.1000*
Werk: Uitbreiding Baltes
Datum: 10-11-2017

Onderdeel: 8



						Gk	Qk
Q=	Hellend dak	=	0,40	x	1,00	= 0,40	
	Sneeuw μ_{s1}	=		x	1,00	=	1,00 $\psi = 0,0$
	Wind	=	0,75	x	1,00	=	0,75 $\psi = 0,0$
	Kraanbaan	=	165,00	x	1,00	=	165,00 $\psi = 1,0$

H.o.h. spant: **5,60** m

Kies: Spantliggers Raatligger IPE550/825

Spantbenen **HE300A**

Overige opmerkingen:

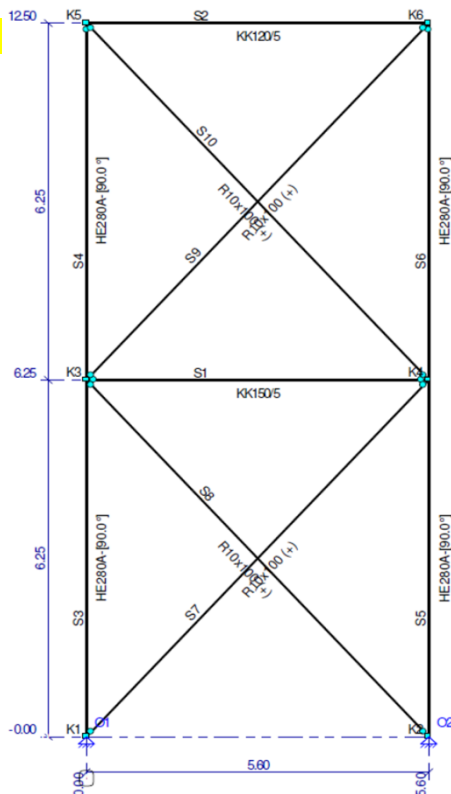
- B|z:8



Windverband (As A + D)

Onderdeel:

9



Q=	Hellend dak		0,40	x	1,00
	Sneeuw μ ;1		1,00	x	1,00
	Wind		0,75	x	1,00

Gk	Qk
0,40	
	1,00 $\psi = 0,0$
	0,75 $\psi = 0,0$

Kies: Drukker Koker 150x150x5

Windverband Strip 10*100

Overige opmerkingen:

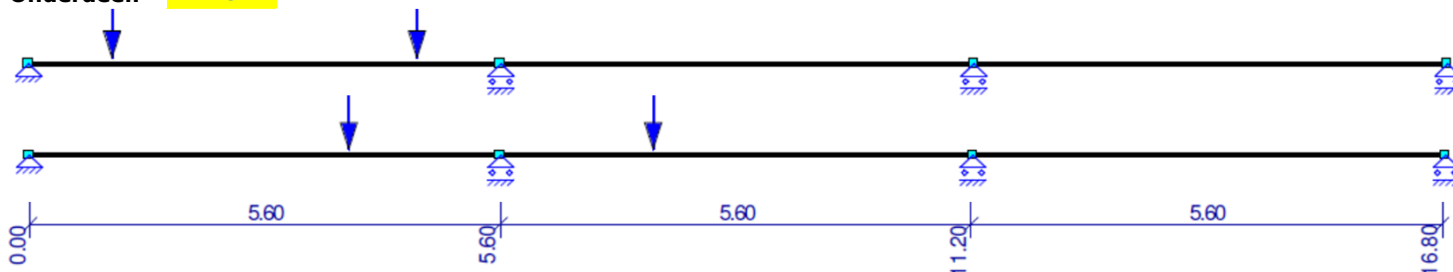
- * Windverband op spanning aanbrengen
- * Voor berekening, overige lasten en combinatie's, zie bijlage blz. 201 t/m 215
- * Strip 10*100, bouten aan constructie, 2M20, e1 = 50mm, s1 = 70mm
- * Spantbenen plaatsen op ankers: 4M20
- * T.p.v. drucker/kolom 2x schotje t=10mm
- * Voetplaat kolom, t= 15mm



Kraanbaan ligger

Onderdeel:

10



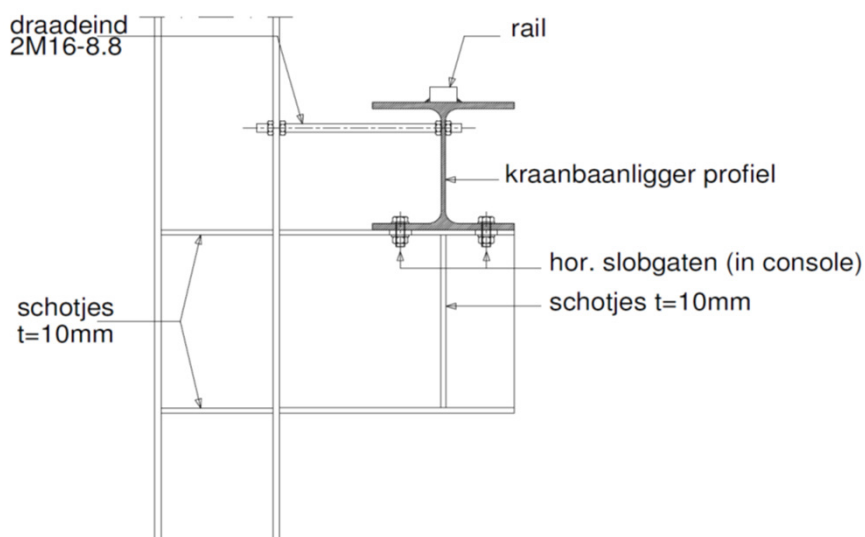
				Gk		Qk	
Q=	Kraanbaan vert.	= h.o.h. 3,8m	95,90 x 2,00	=		191,80	ψ = 1,0
	Kraanbaan hor.	= h.o.h. 3,8m	9,59 x 2,00	=		19,18	ψ = 1,0

H.o.h. spant: 5,60 m

Kies: Ligger HE280B

Overige opmerkingen:

* Voor berekening, overige lasten en combinatie's, zie bijlage blz. 216 t/m 229





Email: s.kromkamp@wopereis.nl
 Tel: 0314-335941
 Fax: 0314-365216 / 0314-345005

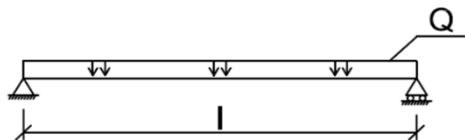
Fabriekstraat 33
 7000 AL Doetinchem
 Postbus 463

Order nr: *A.1000*
 Werk: Uitbreiding Baltes
 Datum: 10-11-2017

Stalen Ligger

Onderdeel: **W1**

Max doorbuiging: 1/ **250**
 Max bijkomend: 1/ **250**
 Overspanning l: **5,60** m.
 Wc (zeeg) **0** mm.



Profiel:	
UNP140	
Iy	605,0
Wy	86,4
Iz	62,7
Wz	14,8

$$Q = \text{Wind} = 0,75 \cdot (0,8 + 0,3) = 0,83 \times 2,31 =$$

Gk	Qk	
	1,91	$\psi = 0,0$
	1,91	kN/m1

Qk =	1,91 kN/m1	Qd =	2,86 kN/m1	6,10b
Mk =	7,47 kNm	Md =	11,21 kNm	
Iben =	518,79 x 10 ⁴ mm ⁴	Wben =	47,68 x 10 ³ mm ³	
W1 =	0,0 mm < 1/ 250	=	22,4 mm	
W3 =	19,2 mm < 1/ 250	=	22,4 mm	
Wtot =	19,2 mm			
Doorb. Werk. =	19,2 mm < 1/ 250	=	22,4 mm	

UC Sterkte: 0,55
UC Doorb.: 0,86

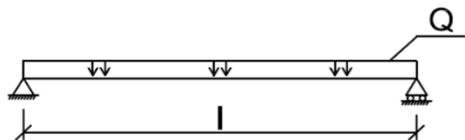
Kies: UNP140 h.o.h.: 2100 mm



Stalen Ligger

Onderdeel: **W2**

Max doorbuiging: 1/ **250**
 Max bijkomend: 1/ **250**
 Overspanning l: **6,25** m.
 Wc (zeeg) **0** mm.



Profiel:	
UNP160	
Iy	925,0
Wy	116,0
Iz	85,3
Wz	18,3

Q= Wind = 0,75 * (0,8+0,3) = 0,83 x 2,31 =

Gk	Qk	
	1,91	ψ = 0,0
	1,91	kN/m1

Qk =	1,91 kN/m1	Qd =	2,86 kN/m1	6,10b
Mk =	9,31 kNm	Md =	13,96 kNm	
Iben =	721,22 x 10 ⁴ mm ⁴	Wben =	59,40 x 10 ³ mm ³	
W1 =	0,0 mm < 1/ 250 =	25,0 mm		
W3 =	19,5 mm < 1/ 250 =	25,0 mm		
Wtot =	19,5 mm			
Doorb. Werk. =	19,5 mm < 1/ 250 =	25,0 mm		

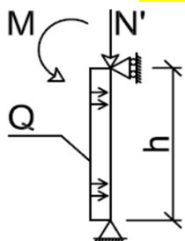
UC Sterkte: 0,51
UC Doorb.: 0,78

Kies: UNP160 h.o.h.: 2100 mm



Stalen Kolom

Onderdeel: **K1**



Max doorbuiging: 1/ **150**
 hoogte = **12,20** m.
 Excentriciteit: **250** mm

Profiel:	
HE280A	
Iy	13670,0
Wy	1013,0
Iz	4763,0
Wz	340,2

N' = **Hellend dak** = 0,40 0,56 x 4,38
 E.g. ligger = 0,30 x 3,13

Gk	Qk	
1,75	2,45	$\Psi = 0,0$
0,94		
2,69	2,45	kN

Q = **Wind** = 0,75 *(0,8+0,3)= 0,83 x 3,13

Gk	Qk	
	2,58	$\Psi = 0,0$
	2,58	kN/m1

N'k = 5,14 kN
 Qk = 2,58 kN/m1
 Mk;boven = 1,28 kNm
 Mk;midden = 48,61 kNm
 Doorb. Max = 81,3 mm
 Iben = 4412,35 x 10⁴ mm⁴
 Doorb. Werk. = 75,3 mm

N'd = 6,90 kN
 Max;N'd;knik = 509,02 kN
 Qd = 3,87 kN/m1
 Mrep;boven = 1,73 kNm
 Mrep;midden = 72,81 kNm
 Wben = 309,84 x 10³ mm³

6,10b
UC Knik: 0,01
 6,10b
UC Sterkte: 0,91
UC Doorb.: 0,93

Kies: HE280A

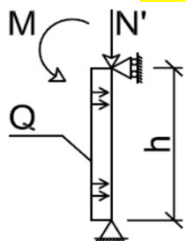
Overige opmerkingen:

- * Onder spant plaatsen
- * t.b.v. opvangen windbelasting op zijgevel.
- * Geen 2e orde doorbuiging meegenomen
- * Plaatsen op ankers: 4M20
- * Voetplaat kolom, t= 15mm



Stalen Kolom

Onderdeel: **K2**



Max doorbuiging: 1/ **150**
 hoogte = **12,20** m.
 Excentriciteit: **250** mm

Profiel:	
IPE330	
Iy	11770,0
Wy	713,1
Iz	788,1
Wz	98,5

N' = **Hellend dak** = 0,40 0,56 x 8,75
 E.g. ligger = 0,30 x 6,25

Gk	Qk	
3,50	4,90	$\Psi = 0,0$
1,88		
5,38	4,90	kN

Q = **Wind** = 0,75 *(0,8+0,3)= 0,83 x 6,25

Gk	Qk	
	5,16	$\Psi = 0,0$
	5,16	kN/m1

N'k = 10,28 kN
 Qk = 5,16 kN/m1
 Mk;boven = 2,57 kNm
 Mk;midden = 97,22 kNm
 Doorb. Max = 81,3 mm
 Iben = 8824,70 x 10⁴ mm⁴
 Doorb. Werk. = 61,0 mm

N'd = 13,80 kN
 Max;N'd;knik = 96,66 kN
 Qd = 7,73 kN/m1
 Mrep;boven = 3,45 kNm
 Mrep;midden = 145,62 kNm
 Wben = 619,67 x 10³ mm³

6,10b
UC Knik: 0,14
 6,10b
UC Sterkte: 0,87
UC Doorb.: 0,75

Kies: IPE330

Overige opmerkingen:

- * Onder spant plaatsen
- * t.b.v. opvangen windbelasting op zijgevel.
- * Geen 2e orde doorbuiging meegenomen
- * Plaatsen op ankers: 4M20
- * Voetplaat kolom, t= 15mm



Email: s.kromkamp@wopereis.nl
Tel: 0314-335941
Fax: 0314-365216 / 0314-345005

Fabriekstraat 33
7000 AL Doetinchem
Postbus 463

Order nr: *A.1000*
Werk: Uitbreiding Baltes
Datum: 10-11-2017

Fundering

Bij de berekening van de fundering is uitgegaan van:

Een vaste grondslag: $\sigma_{gr;rep} > 100 \text{ kN/m}^2 = 1 \text{ kg/cm}^2$

Dit in het werk te controleren !

Betonkwaliteit: C20/25 Staalkwaliteit: B500A

Milieuklasse: XC2 Dekking: Conder = 35mm Cboven/flank = 25mm

De poeren / stroken dienen uitgevoerd te worden op een effen voorbereide ondergrond.

Overige opmerkingen:

* Fundering dient in een aanvullende berekening aangeleverd te worden in verband met de te maken sonderingen.



Email: s.kromkamp@wopereis.nl
Tel: 0314-335941
Fax: 0314-365216 / 0314-345005

Fabriekstraat 33
7000 AL Doetinchem
Postbus 463

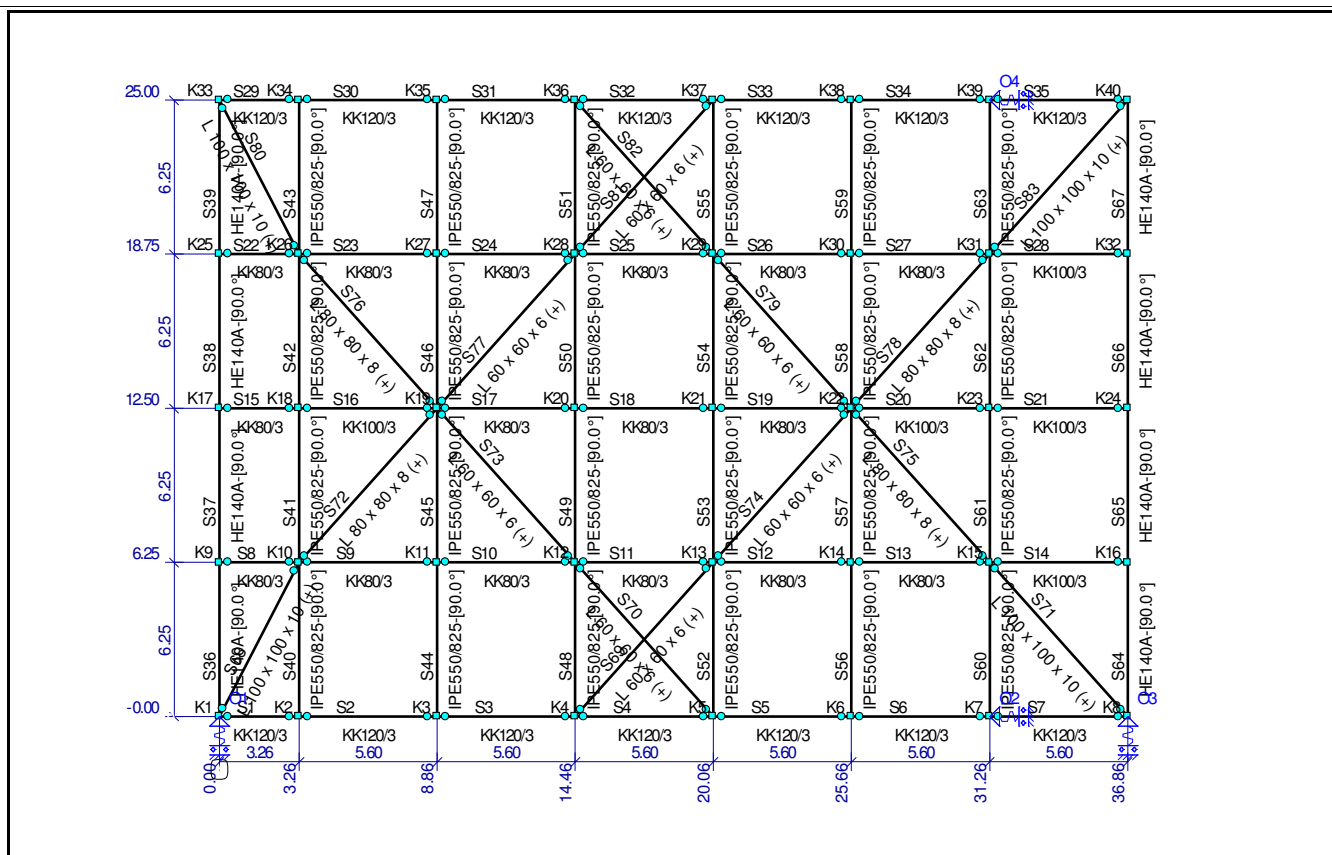
Order nr: *A.1000*
Werk: Uitbreiding Baltes
Datum: 10-11-2017

Bijlagen

Pos 1-6	Dakoverzicht
Pos 7	Spant
Pos 8	Spant
Pos 9	WVB
Pos 10	Kraanbaan

Wopereis Staalbouw		Pos 1-6 - Wind verdeling	
Projectnaam		Projectnummer	
Omschrijving		Constructeur	
Opdrachtgever		Eenheden	m, kN, kNm
Bestand	K:\Engineering Staalbouw\SJOERDKR\Berekeningen\A-1000 - Baltes - Steenderen - Nijverheidsweg 9\STATISCH\20170425 - Hal\20170331 - Windverdeling dak.mxf		

AFB. GEOMETRIE RAAMWERK



STAVEN

Staaf	Knoop B	Scharnier E	Knoop E	Profiel	X-B	Z-B	X-E	Z-E	Lengte
S1	K1	NV-	K2	P7	0,000	0,000	3,260	0,000	3,260
S2	K2	NV-	K3	P7	3,260	0,000	8,860	0,000	5,600
S3	K3	NV-	K4	P7	8,860	0,000	14,460	0,000	5,600
S4	K4	NV-	K5	P7	14,460	0,000	20,060	0,000	5,600
S5	K5	NV-	K6	P7	20,060	0,000	25,660	0,000	5,600
S6	K6	NV-	K7	P7	25,660	0,000	31,260	0,000	5,600
S7	K7	NV-	K8	P7	31,260	0,000	36,860	0,000	5,600
S8	K9	NV-	K10	P4	0,000	-6,250	3,260	-6,250	3,260
S9	K10	NV-	K11	P4	3,260	-6,250	8,860	-6,250	5,600
S10	K11	NV-	K12	P4	8,860	-6,250	14,460	-6,250	5,600
S11	K12	NV-	K13	P4	14,460	-6,250	20,060	-6,250	5,600
S12	K13	NV-	K14	P4	20,060	-6,250	25,660	-6,250	5,600
S13	K14	NV-	K15	P4	25,660	-6,250	31,260	-6,250	5,600
S14	K15	NV-	K16	P8	31,260	-6,250	36,860	-6,250	5,600
S15	K17	NV-	K18	P4	0,000	-12,500	3,260	-12,500	3,260
S16	K18	NV-	K19	P8	3,260	-12,500	8,860	-12,500	5,600
S17	K19	NV-	K20	P4	8,860	-12,500	14,460	-12,500	5,600
S18	K20	NV-	K21	P4	14,460	-12,500	20,060	-12,500	5,600
S19	K21	NV-	K22	P4	20,060	-12,500	25,660	-12,500	5,600
S20	K22	NV-	K23	P8	25,660	-12,500	31,260	-12,500	5,600
S21	K23	NV-	K24	P8	31,260	-12,500	36,860	-12,500	5,600
S22	K25	NV-	K26	P4	0,000	-18,750	3,260	-18,750	3,260
S23	K26	NV-	K27	P4	3,260	-18,750	8,860	-18,750	5,600
S24	K27	NV-	K28	P4	8,860	-18,750	14,460	-18,750	5,600
S25	K28	NV-	K29	P4	14,460	-18,750	20,060	-18,750	5,600
S26	K29	NV-	K30	P4	20,060	-18,750	25,660	-18,750	5,600
S27	K30	NV-	K31	P4	25,660	-18,750	31,260	-18,750	5,600
S28	K31	NV-	K32	P8	31,260	-18,750	36,860	-18,750	5,600
S29	K33	NV-	K34	P7	0,000	-25,000	3,260	-25,000	3,260
S30	K34	NV-	K35	P7	3,260	-25,000	8,860	-25,000	5,600
S31	K35	NV-	K36	P7	8,860	-25,000	14,460	-25,000	5,600

Wopereis Staalbouw		Pos 1-6 - Wind verdeling
---------------------------	--	---------------------------------

Staaft	Knoop B	B	Scharnier E	Knoop E	Profiel	X-B	Z-B	X-E	Z-E	Lengte
S32	K36	NV-	NV-	K37	P7	14,460	-25,000	20,060	-25,000	5,600
S33	K37	NV-	NV-	K38	P7	20,060	-25,000	25,660	-25,000	5,600
S34	K38	NV-	NV-	K39	P7	25,660	-25,000	31,260	-25,000	5,600
S35	K39	NV-	NV-	K40	P7	31,260	-25,000	36,860	-25,000	5,600
S36	K1	NVM	NVM	K9	P1	0,000	0,000	0,000	-6,250	6,250
S37	K9	NVM	NVM	K17	P1	0,000	-6,250	0,000	-12,500	6,250
S38	K17	NVM	NVM	K25	P1	0,000	-12,500	0,000	-18,750	6,250
S39	K25	NVM	NVM	K33	P1	0,000	-18,750	0,000	-25,000	6,250
S40	K2	NVM	NVM	K10	P2	3,260	0,000	3,260	-6,250	6,250
S41	K10	NVM	NVM	K18	P2	3,260	-6,250	3,260	-12,500	6,250
S42	K18	NVM	NVM	K26	P2	3,260	-12,500	3,260	-18,750	6,250
S43	K26	NVM	NVM	K34	P2	3,260	-18,750	3,260	-25,000	6,250
S44	K3	NVM	NVM	K11	P2	8,860	0,000	8,860	-6,250	6,250
S45	K11	NVM	NVM	K19	P2	8,860	-6,250	8,860	-12,500	6,250
S46	K19	NVM	NVM	K27	P2	8,860	-12,500	8,860	-18,750	6,250
S47	K27	NVM	NVM	K35	P2	8,860	-18,750	8,860	-25,000	6,250
S48	K4	NVM	NVM	K12	P2	14,460	0,000	14,460	-6,250	6,250
S49	K12	NVM	NVM	K20	P2	14,460	-6,250	14,460	-12,500	6,250
S50	K20	NVM	NVM	K28	P2	14,460	-12,500	14,460	-18,750	6,250
S51	K28	NVM	NVM	K36	P2	14,460	-18,750	14,460	-25,000	6,250
S52	K5	NVM	NVM	K13	P2	20,060	0,000	20,060	-6,250	6,250
S53	K13	NVM	NVM	K21	P2	20,060	-6,250	20,060	-12,500	6,250
S54	K21	NVM	NVM	K29	P2	20,060	-12,500	20,060	-18,750	6,250
S55	K29	NVM	NVM	K37	P2	20,060	-18,750	20,060	-25,000	6,250
S56	K6	NVM	NVM	K14	P2	25,660	0,000	25,660	-6,250	6,250
S57	K14	NVM	NVM	K22	P2	25,660	-6,250	25,660	-12,500	6,250
S58	K22	NVM	NVM	K30	P2	25,660	-12,500	25,660	-18,750	6,250
S59	K30	NVM	NVM	K38	P2	25,660	-18,750	25,660	-25,000	6,250
S60	K7	NVM	NVM	K15	P2	31,260	0,000	31,260	-6,250	6,250
S61	K15	NVM	NVM	K23	P2	31,260	-6,250	31,260	-12,500	6,250
S62	K23	NVM	NVM	K31	P2	31,260	-12,500	31,260	-18,750	6,250
S63	K31	NVM	NVM	K39	P2	31,260	-18,750	31,260	-25,000	6,250
S64	K8	NVM	NVM	K16	P1	36,860	0,000	36,860	-6,250	6,250
S65	K16	NVM	NVM	K24	P1	36,860	-6,250	36,860	-12,500	6,250
S66	K24	NVM	NVM	K32	P1	36,860	-12,500	36,860	-18,750	6,250
S67	K32	NVM	NVM	K40	P1	36,860	-18,750	36,860	-25,000	6,250
S68	K1	NV-	NV-	K10	P6	0,000	0,000	3,260	-6,250	7,049
S69	K4	NV-	NV-	K13	P3	14,460	0,000	20,060	-6,250	8,392
S70	K12	NV-	NV-	K5	P3	14,460	-6,250	20,060	0,000	8,392
S71	K15	NV-	NV-	K8	P6	31,260	-6,250	36,860	0,000	8,392
S72	K10	NV-	NV-	K19	P5	3,260	-6,250	8,860	-12,500	8,392
S73	K19	NV-	NV-	K12	P3	8,860	-12,500	14,460	-6,250	8,392
S74	K13	NV-	NV-	K22	P3	20,060	-6,250	25,660	-12,500	8,392
S75	K22	NV-	NV-	K15	P5	25,660	-12,500	31,260	-6,250	8,392
S76	K26	NV-	NV-	K19	P5	3,260	-18,750	8,860	-12,500	8,392
S77	K19	NV-	NV-	K28	P3	8,860	-12,500	14,460	-18,750	8,392
S78	K22	NV-	NV-	K31	P5	25,660	-12,500	31,260	-18,750	8,392
S79	K29	NV-	NV-	K22	P3	20,060	-18,750	25,660	-12,500	8,392
S80	K33	NV-	NV-	K26	P6	0,000	-25,000	3,260	-18,750	7,049
S81	K28	NV-	NV-	K37	P3	14,460	-18,750	20,060	-25,000	8,392
S82	K36	NV-	NV-	K29	P3	14,460	-25,000	20,060	-18,750	8,392
S83	K31	NV-	NV-	K40	P6	31,260	-18,750	36,860	-25,000	8,392
-	-	-	-	-	-	m	m	m	m	m

PROFIELEN

Profiel	Profielnaam	Oppervlakte	ly	Materiaal	Hoek
P1	HE140A	3.1416e-03	3.8932e-06	S235	90,0
P2	IPE550/825	1.0389e-02	2.6645e-05	S235	90,0
P3	L 60 x 60 x 6	6.9087e-04	2.2792e-07	S235	0,0
P4	KK80/3	9.0082e-04	8.7843e-07	S235H(EN10219-1)	0,0
P5	L 80 x 80 x 8	1.2267e-03	7.2247e-07	S235	0,0
P6	L 100 x 100 x 10	1.9155e-03	1.7668e-06	S235	0,0
P7	KK120/3	1.3808e-03	3.1235e-06	S235H(EN10219-1)	0,0
P8	KK100/3	1.1408e-03	1.7705e-06	S235H(EN10219-1)	0,0
-	-	m2	m4	-	°

PROFIELVORMEN

Profiel	Verl. h.	hB	hE	tf	tw	tf2	B	bL	bR Raatl.	Hoogte
P2	Nee	0.550	0.550	0.017	0.011	0.017	0.210	0.000	0.000 Ja	0.825
-	-	m	m	m	m	m	m	m	m -	m

Wopereis Staalbouw		Pos 1-6 - Wind verdeling
---------------------------	--	---------------------------------

MATERIALEN

Materiaal	Dichtheid	E-Modulus	Uitzettingcoëff
S235	78.50	2.1000e+08	12.0000e-06
S235H(EN10219-1)	78.50	2.1000e+08	12.0000e-06
-	kN/m3	kN/m2	C°m

PROFIELEN (GEAVANCEERD)

Profiel	Ivv	Avz	Trek	Druk	Kabelelement	Voorspanning
P2	2.6645e-05	4.1816e-03	Ja	Ja	Nee	0.00
P3	9.4439e-08	3.6000e-04	Ja	Nee	Nee	0.00
P5	2.9888e-07	6.4000e-04	Ja	Nee	Nee	0.00
P6	7.3022e-07	1.0000e-03	Ja	Nee	Nee	0.00
-	m4	m2	-	-	-	kN

OPLEGGINGEN

Oplegging	Knoop	X	Z	Yr	HoekYr
O1	K1	vrij	1000.00:1000.00	vrij	0
O2	K7	1000.00	0.00:0.00	vrij	0
O3	K8	vrij	1000.00:1000.00	vrij	0
O4	K39	1000.00	0.00:0.00	vrij	0
-	-	kN/m	kN/m	kNm/rad	°

GEWICHTSBEREKENING

Index	Staven	Berekening	Waarde	Eenheden
-------	--------	------------	--------	----------

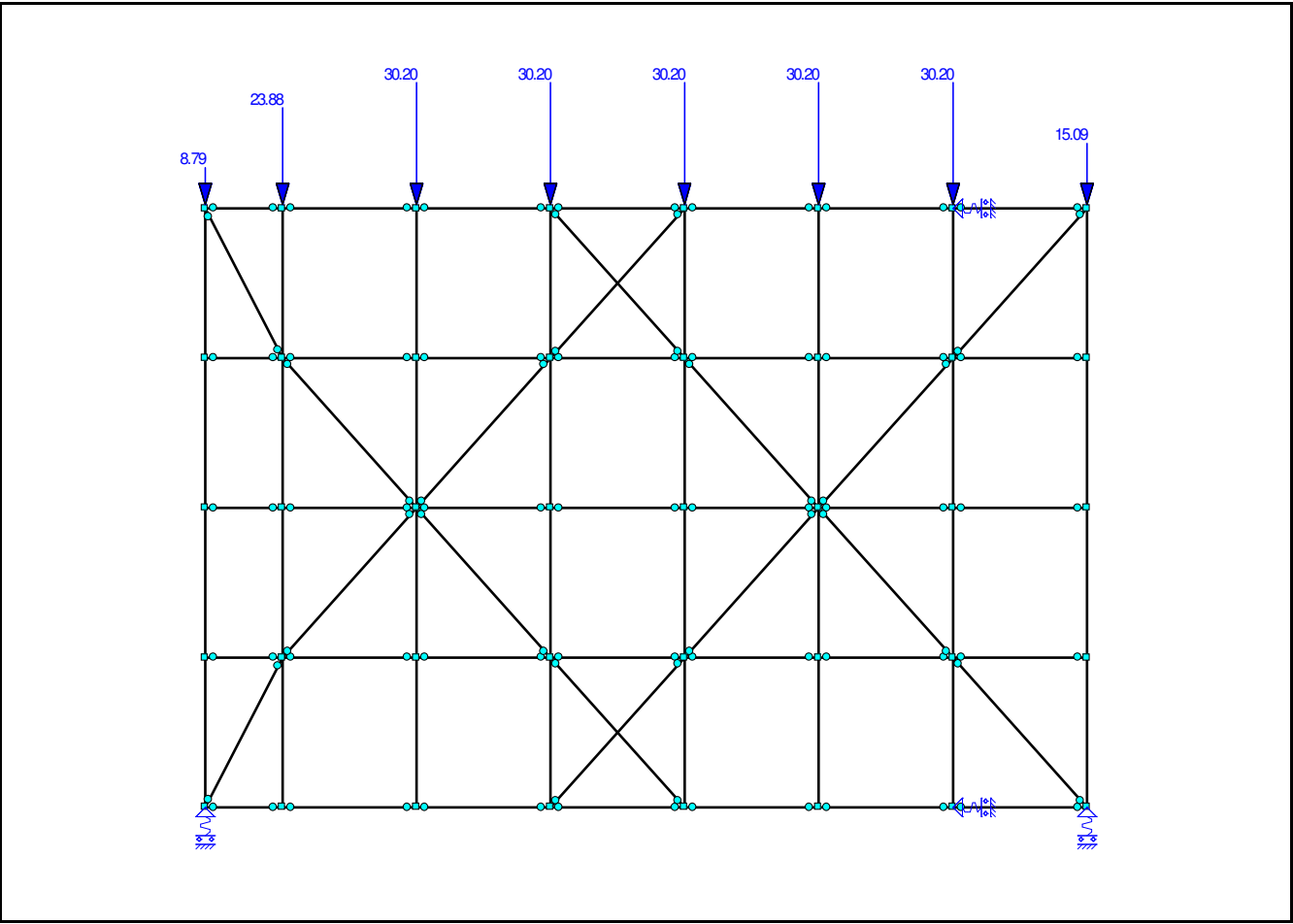
BELASTINGSGEVALLEN TYPEN

Oplegg.	Staven	B.G.Type	Gunstig/Ong.	Element	Niveau	Veld	Psi0	Psi1	Psi2	Cprob
B.G.1	Windbelasting Voor	Windbelasting	-		N.v.t.	N.v.t.		0.20		1,00
B.G.2	Windbelasting Links	Windbelasting	-		N.v.t.	N.v.t.		0.20		1,00
B.G.3	Windbelasting Rechts	Windbelasting	-		N.v.t.	N.v.t.		0.20		1,00
B.G.4	Kniklengte	Kniklengte			N.v.t.	N.v.t.				

B.G.1: WINDBELASTING VOOR

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staat of knoop
B.G.1: Windbelasting Voor						
N	8,79				Z	K33
N	23,88				Z	K34
N	30,20				Z	K35-K39
N	15,09				Z	K40
-	-	-	m	m	-	-

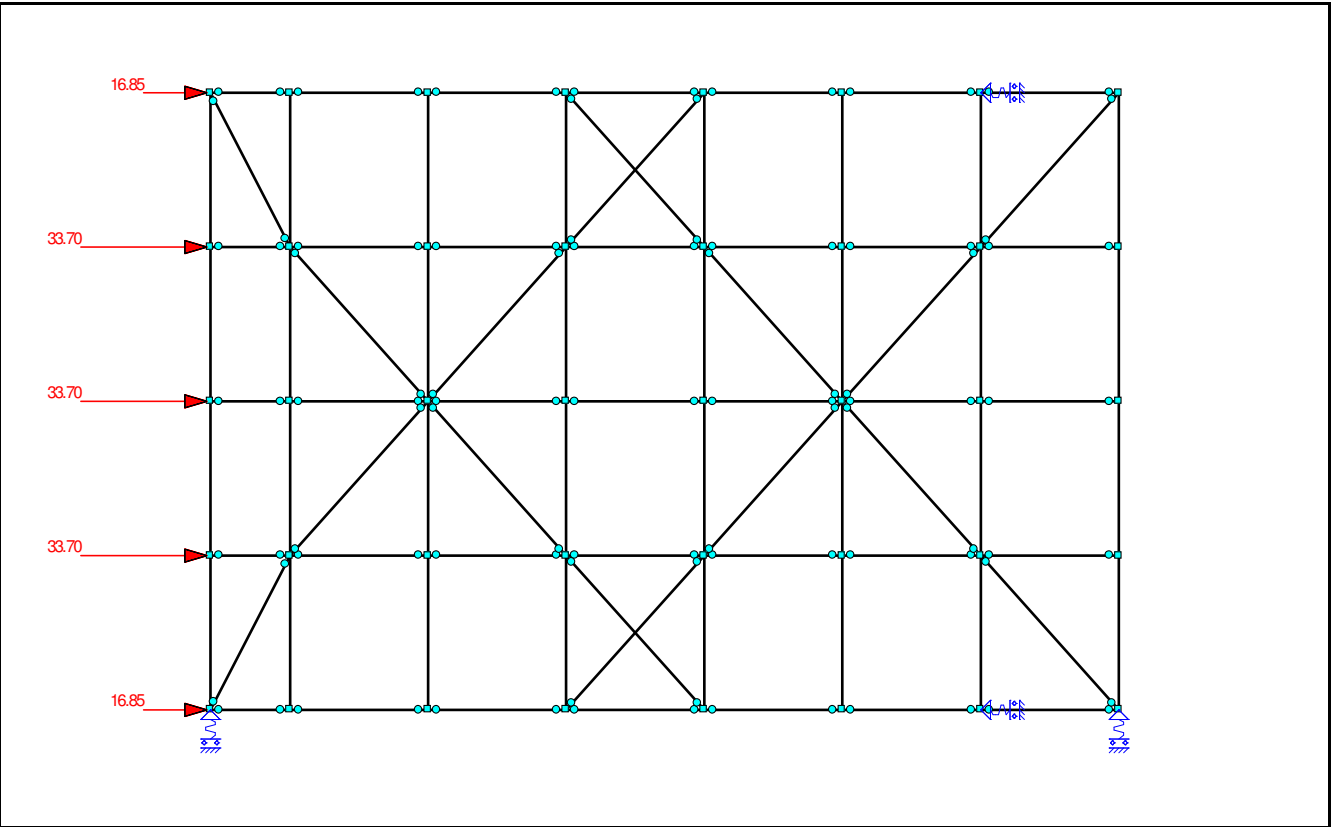
B.G.1: WINDBELASTING VOOR



B.G.2: WINDBELASTING LINKS

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.2: Windbelasting Links					
N	16,85				X K1,K33
N	33,70				X K9,K17,K25
-	-	-	m	m	- -

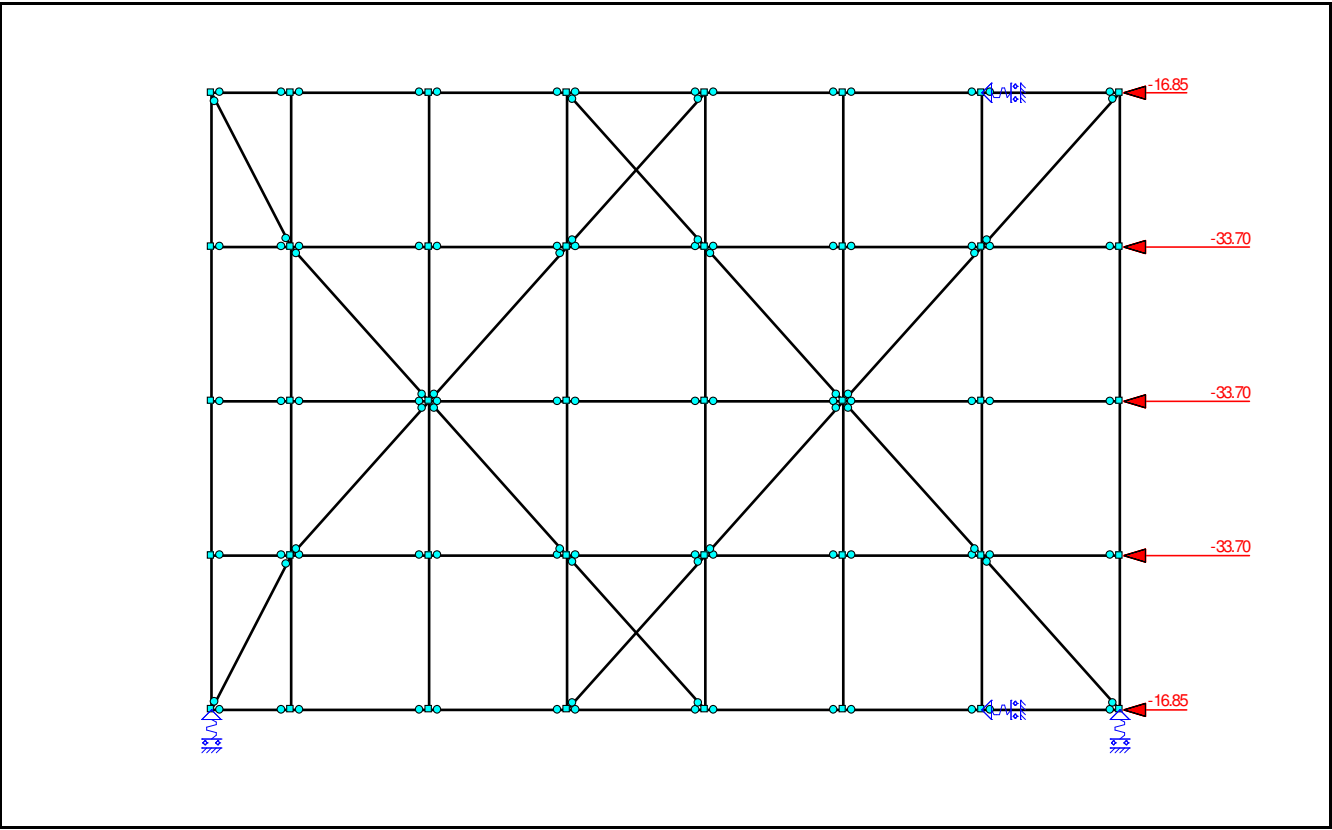
B.G.2: WINDBELASTING LINKS



B.G.3: WINDBELASTING RECHTS

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staat of knoop
B.G.3: Windbelasting Rechts						
N	-16,85					X K40
N	-16,85					X K8
N	-33,70					X K16,K24,K32
-	-	-	m	m	-	-

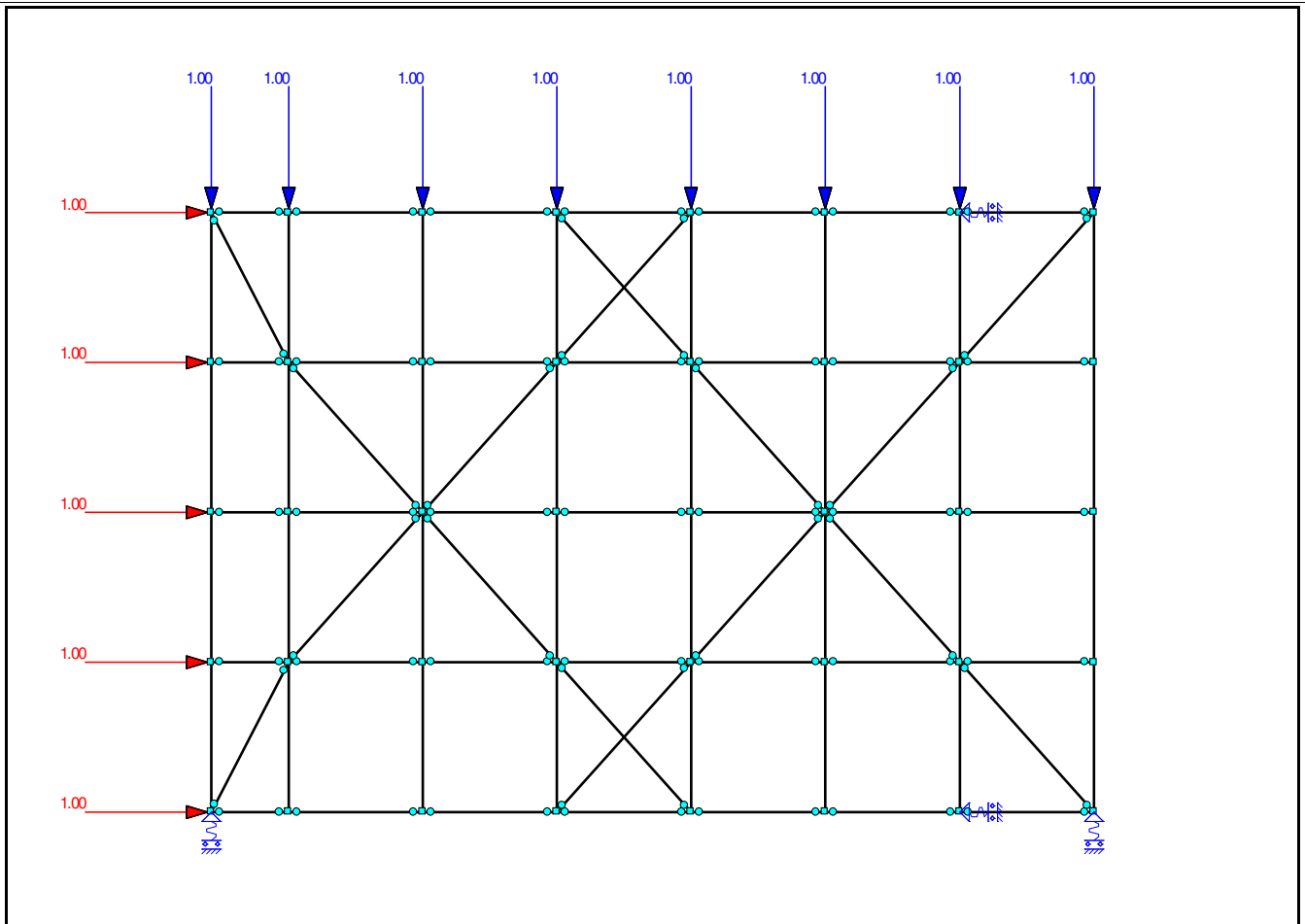
B.G.3: WINDBELASTING RECHTS



B.G.4: KNIKLENGTE

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.4: Kniklengte					
N	1,00				Z K33-K40
N	1,00				X K1,K9,K17,K25,K33
-	-	-	m	m	- -

B.G.4: KNIKLENGTE



FUNDAMENTEEL BELASTINGSCOMBINATIES (TABEL)

B.G.	Omschrijving	Fu.C.1	Fu.C.2	Fu.C.3
B.G.1	Windbelasting Voor	1.50	-	-
B.G.2	Windbelasting Links	-	1.50	-
B.G.3	Windbelasting Rechts	-	-	1.50
B.G.4	Kniklengte	-	-	-

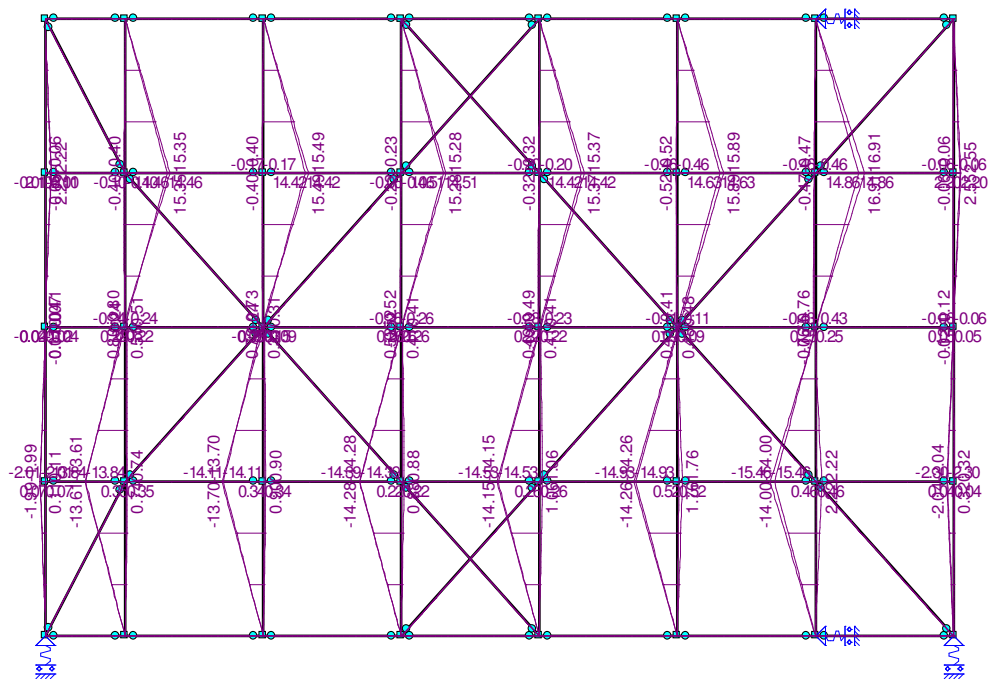
UITGANGSPUNTEN VAN DE ANALYSE

Geavanceerde Analyse

Trekelemen(en) gebruikt

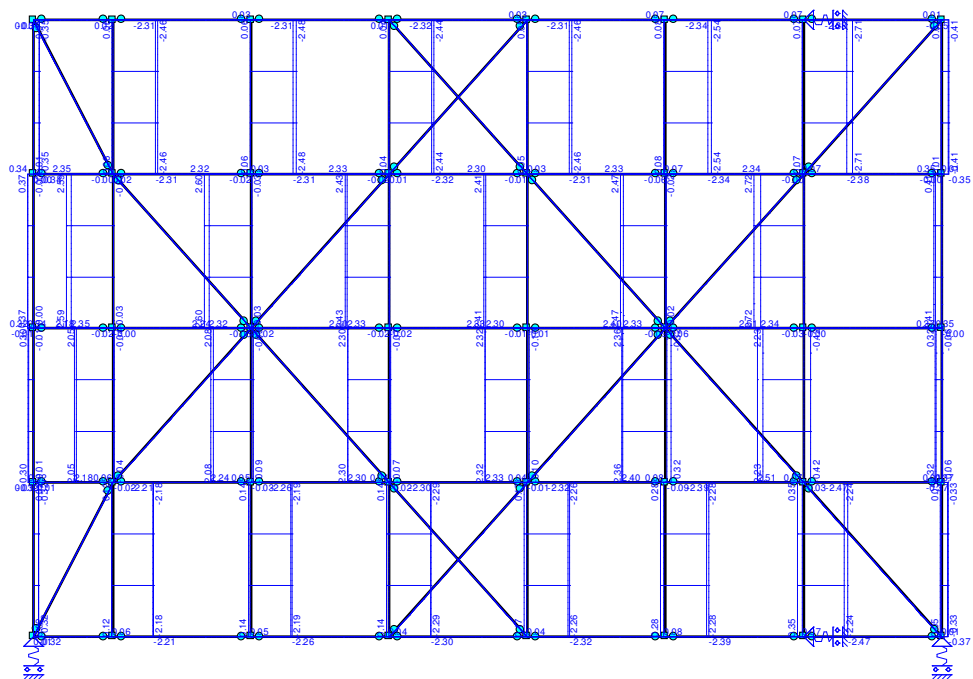
AFB. F.U.C. MOMENT (MY) OMHULLENDE

Fundamenteel Belastingscombinaties



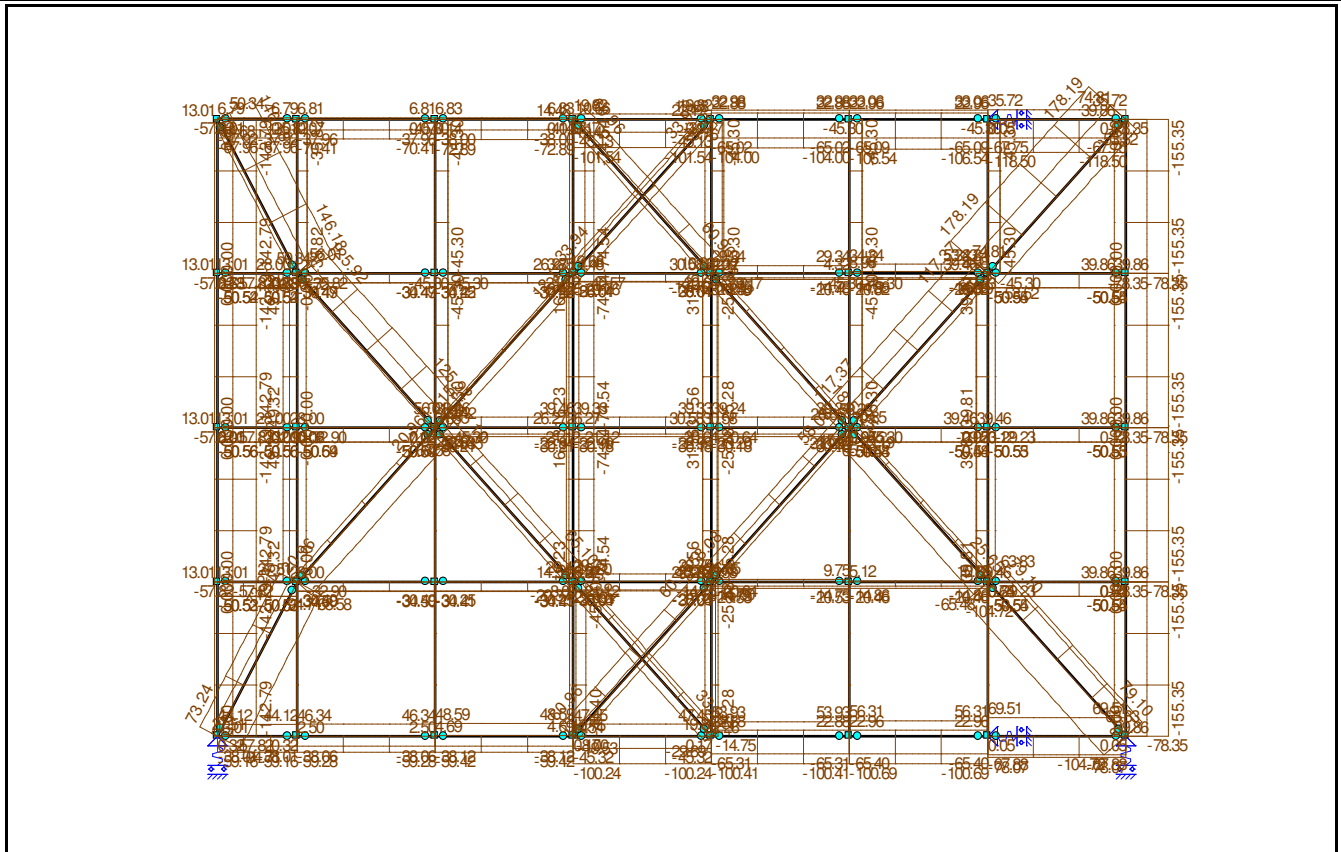
AFB. F.U.C. DRWARSKRACHT (VZ) / SHEAR FORCE (VZ) OMHULLENDE

Fundamenteel Belastingscombinaties



AFB. FU.C. NORMAALKRACHT (NX) / NORMAL FORCE (NX) OMHULLENDE

Fundamenteel Belastingscombinaties



FU.C. 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			0.00	1.087	2.173 T	0.32	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.087	2.173 D	-59.16	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	1.087	2.173 T	0.01	0.00	0.00	0.00
S2	Fu.C.1	0.00			0.00	1.867	3.733 T	2.50	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-59.28	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	1.867	3.733 T	0.07	0.00	0.00	0.00
S3	Fu.C.1	0.00			0.00	1.867	3.733 T	4.69	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-59.42	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	1.867	3.733 T	0.14	0.00	0.00	0.00
S4	Fu.C.1	0.00			0.00	1.867	3.733 D	-16.37	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-100.24	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	1.867	3.733 T	0.17	0.00	0.00	0.00
S5	Fu.C.1	0.00	0.00	1.867	0.00	1.867	3.733 D	-14.11	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-100.41	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	1.867	3.733 T	22.88	0.00	0.00	0.00
S6	Fu.C.1	0.00			0.00	1.867	3.733 D	-11.83	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-100.69	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	1.867	3.733 T	22.96	0.00	0.00	0.00
S7	Fu.C.1	0.00			0.00	1.867	3.733 D	-0.33	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 T	0.05	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	1.867	3.733 D	-78.07	0.00	0.00	0.00
S8	Fu.C.1	0.00			0.00	1.087	2.173 D	-0.62	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.087	2.173 D	-50.52	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	1.087	2.173 D	-0.01	0.00	0.00	0.00
S9	Fu.C.1	0.00			0.00	1.867	3.733 D	-4.85	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-30.49	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	1.867	3.733 D	-0.10	0.00	0.00	0.00
S10	Fu.C.1	0.00			0.00	1.867	3.733 D	-9.11	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-30.25	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	1.867	3.733 D	-0.19	0.00	0.00	0.00
S11	Fu.C.1	0.00			0.00	1.867	3.733 T	29.75	0.00	0.00	0.00

Wopereis Staalbouw						Pos 1-6 - Wind verdeling					
--------------------	--	--	--	--	--	--------------------------	--	--	--	--	--

Staaf	B.C.	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Vb	Vmax	Ve
S11	Fu.C.2	0.00			0.00	1.867	3.733 D	-30.04	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	1.867	3.733 D	-14.73	0.00	0.00	0.00
S12	Fu.C.1	0.00			0.00	1.867	3.733 T	9.75	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-1.49	0.00	0.00	0.00
S13	Fu.C.3	0.00			0.00	1.867	3.733 D	-14.75	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	1.867	3.733 T	5.12	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-0.89	0.00	0.00	0.00
S14	Fu.C.3	0.00			0.00	1.867	3.733 D	-14.86	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	1.867	3.733 T	0.65	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-0.11	0.00	0.00	0.00
S15	Fu.C.3	0.00			0.00	1.867	3.733 D	-50.55	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	1.087	2.173 D	-0.07	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.087	2.173 D	-50.56	0.00	0.00	0.00
S16	Fu.C.3	0.00			0.00	1.087	2.173 T	0.01	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	1.867	3.733 D	-0.61	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-50.64	0.00	0.00	0.00
S17	Fu.C.3	0.00			0.00	1.867	3.733 T	0.06	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	1.867	3.733 T	39.46	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-22.84	0.00	0.00	0.00
S18	Fu.C.3	0.00			0.00	1.867	3.733 D	-16.10	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	1.867	3.733 T	39.33	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-22.99	0.00	0.00	0.00
S19	Fu.C.3	0.00			0.00	1.867	3.733 D	-16.19	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	1.867	3.733 T	39.24	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-23.20	0.00	0.00	0.00
S20	Fu.C.3	0.00			0.00	1.867	3.733 D	-16.24	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	1.867	3.733 T	0.58	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 T	0.97	0.00	0.00	0.00
S21	Fu.C.3	0.00			0.00	1.867	3.733 D	-50.44	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	1.867	3.733 T	0.09	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 T	0.12	0.00	0.00	0.00
S22	Fu.C.3	0.00			0.00	1.867	3.733 D	-50.53	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	1.087	2.173 T	0.73	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.087	2.173 D	-50.52	0.00	0.00	0.00
S23	Fu.C.3	0.00			0.00	1.087	2.173 D	-0.01	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	1.867	3.733 D	-10.66	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-30.49	0.00	0.00	0.00
S24	Fu.C.3	0.00			0.00	1.867	3.733 D	-0.10	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	1.867	3.733 D	-5.59	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-30.25	0.00	0.00	0.00
S25	Fu.C.3	0.00			0.00	1.867	3.733 D	-0.19	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	1.867	3.733 D	-0.71	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-30.04	0.00	0.00	0.00
S26	Fu.C.3	0.00			0.00	1.867	3.733 D	-14.73	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	1.867	3.733 T	29.34	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-1.49	0.00	0.00	0.00
S27	Fu.C.3	0.00			0.00	1.867	3.733 D	-14.75	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	1.867	3.733 T	34.34	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-0.89	0.00	0.00	0.00
S28	Fu.C.3	0.00			0.00	1.867	3.733 D	-14.86	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	1.867	3.733 D	-0.82	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-0.11	0.00	0.00	0.00
S29	Fu.C.3	0.00			0.00	1.867	3.733 D	-50.55	0.00	0.00	0.00
	Fu.C.1	0.00	0.00	1.087	0.00	1.087	2.173 D	-67.96	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.087	2.173 D	-59.16	0.00	0.00	0.00
S30	Fu.C.3	0.00			0.00	1.087	2.173 T	0.01	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	1.867	3.733 D	-70.41	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-59.28	0.00	0.00	0.00
S31	Fu.C.3	0.00			0.00	1.867	3.733 T	0.07	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	1.867	3.733 D	-72.89	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-59.42	0.00	0.00	0.00
S32	Fu.C.3	0.00			0.00	1.867	3.733 T	0.14	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	1.867	3.733 D	-101.54	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-100.24	0.00	0.00	0.00
S33	Fu.C.3	0.00			0.00	1.867	3.733 T	0.17	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	1.867	3.733 D	-104.00	0.00	0.00	0.00

Wopereis Staalbouw						Pos 1-6 - Wind verdeling					
--------------------	--	--	--	--	--	--------------------------	--	--	--	--	--

Staaf	B.C.	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Vb	Vmax	Ve
S33	Fu.C.2	0.00			0.00	1.867	3.733 D	-100.41	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	1.867	3.733 T	22.88	0.00	0.00	0.00
S34	Fu.C.1	0.00			0.00	1.867	3.733 D	-106.54	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 D	-100.69	0.00	0.00	0.00
S35	Fu.C.3	0.00			0.00	1.867	3.733 T	22.96	0.00	0.00	0.00
	Fu.C.1	0.00	0.00	1.867	0.00	1.867	3.733 D	-118.50	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	1.867	3.733 T	0.05	0.00	0.00	0.00
S36	Fu.C.3	0.00			0.00	1.867	3.733 D	-78.07	0.00	0.00	0.00
	Fu.C.1	0.00			-1.99	0.000	0.000 D	-142.79	-0.32	-0.32	-0.32
	Fu.C.2	0.00			0.11	0.000	0.000 D	-64.93	0.02	0.02	0.02
S37	Fu.C.3	0.00			-0.06	0.000	0.000 T	0.00	-0.01	-0.01	-0.01
	Fu.C.1	-1.99			-0.11	0.000	0.000 D	-142.79	0.30	0.30	0.30
	Fu.C.2	0.11			0.07	0.000	0.000 D	-64.93	-0.01	-0.01	-0.01
S38	Fu.C.3	-0.06			-0.03	0.000	0.000 T	0.00	0.00	0.00	0.00
	Fu.C.1	-0.11			2.22	0.297	0.000 D	-142.79	0.37	0.37	0.37
	Fu.C.2	0.07			0.11	0.000	0.000 D	-64.93	0.01	0.01	0.01
S39	Fu.C.3	-0.03			-0.06	0.000	0.000 T	0.00	0.00	0.00	0.00
	Fu.C.1	2.22			0.00	0.000	0.000 D	-142.79	-0.35	-0.35	-0.35
	Fu.C.2	0.11			0.00	0.000	0.000 D	-64.93	-0.02	-0.02	-0.02
S40	Fu.C.3	-0.06			0.00	0.000	0.000 T	0.00	0.01	0.01	0.01
	Fu.C.1	0.00			-13.61	0.000	0.000 -	0.00	-2.18	-2.18	-2.18
	Fu.C.2	0.00			0.74	0.000	0.000 -	0.00	0.12	0.12	0.12
S41	Fu.C.3	0.00			-0.40	0.000	0.000 -	0.00	-0.06	-0.06	-0.06
	Fu.C.1	-13.61			-0.80	0.000	0.000 D	0.00	2.05	2.05	2.05
	Fu.C.2	0.74			0.51	0.000	0.000 T	49.32	-0.04	-0.04	-0.04
S42	Fu.C.3	-0.40			-0.24	0.000	0.000 D	0.00	0.03	0.03	0.03
	Fu.C.1	-0.80			15.35	0.311	0.000 D	0.00	2.59	2.59	2.59
	Fu.C.2	0.51			0.74	0.000	0.000 T	49.32	0.04	0.04	0.04
S43	Fu.C.3	-0.24			-0.40	0.000	0.000 D	0.00	-0.03	-0.03	-0.03
	Fu.C.1	15.35			0.00	0.000	0.000 D	-35.82	-2.46	-2.46	-2.46
	Fu.C.2	0.74			0.00	0.000	0.000 -	0.00	-0.12	-0.12	-0.12
S44	Fu.C.3	-0.40			0.00	0.000	0.000 -	0.00	0.06	0.06	0.06
	Fu.C.1	0.00			-13.70	0.000	0.000 -	0.00	-2.19	-2.19	-2.19
	Fu.C.2	0.00			0.90	0.000	0.000 -	0.00	0.14	0.14	0.14
S45	Fu.C.3	0.00			-0.40	0.000	0.000 -	0.00	-0.06	-0.06	-0.06
	Fu.C.1	-13.70			-0.73	0.000	0.000 -	0.00	2.08	2.08	2.08
	Fu.C.2	0.90			0.31	0.000	0.000 -	0.00	-0.09	-0.09	-0.09
S46	Fu.C.3	-0.40			-0.23	0.000	0.000 -	0.00	0.03	0.03	0.03
	Fu.C.1	-0.73			15.49	0.279	0.000 D	-45.30	2.60	2.60	2.60
	Fu.C.2	0.31			0.90	0.000	0.000 -	0.00	0.09	0.09	0.09
S47	Fu.C.3	-0.23			-0.40	0.000	0.000 -	0.00	-0.03	-0.03	-0.03
	Fu.C.1	15.49			0.00	0.000	0.000 D	-45.30	-2.48	-2.48	-2.48
	Fu.C.2	0.90			0.00	0.000	0.000 -	0.00	-0.14	-0.14	-0.14
S48	Fu.C.3	-0.40			0.00	0.000	0.000 -	0.00	0.06	0.06	0.06
	Fu.C.1	0.00			-14.28	0.000	0.000 D	-26.06	-2.29	-2.29	-2.29
	Fu.C.2	0.00			0.88	0.000	0.000 D	-45.40	0.14	0.14	0.14
S49	Fu.C.3	0.00			-0.23	0.000	0.000 T	0.00	-0.04	-0.04	-0.04
	Fu.C.1	-14.28			0.07	6.219	0.000 D	-74.54	2.30	2.30	2.30
	Fu.C.2	0.88			0.41	0.000	0.000 D	-45.40	-0.07	-0.07	-0.07
S50	Fu.C.3	-0.23			-0.52	0.000	0.000 T	16.23	-0.05	-0.05	-0.05
	Fu.C.1	0.07			15.28	0.000	0.000 D	-74.54	2.43	2.43	2.43
	Fu.C.2	0.41			0.88	0.000	0.000 D	-45.40	0.07	0.07	0.07
S51	Fu.C.3	-0.52			-0.23	0.000	0.000 T	16.23	0.05	0.05	0.05
	Fu.C.1	15.28			0.00	0.000	0.000 D	-74.54	-2.44	-2.44	-2.44
	Fu.C.2	0.88			0.00	0.000	0.000 D	-45.40	-0.14	-0.14	-0.14
S52	Fu.C.3	-0.23			0.00	0.000	0.000 D	0.00	0.04	0.04	0.04
	Fu.C.1	0.00			-14.15	0.000	0.000 D	0.00	-2.26	-2.26	-2.26
	Fu.C.2	0.00			1.06	0.000	0.000 T	0.00	0.17	0.17	0.17
S53	Fu.C.3	0.00			-0.32	0.000	0.000 D	-25.28	-0.05	-0.05	-0.05
	Fu.C.1	-14.15			0.33	6.108	0.000 D	-17.20	2.32	2.32	2.32
	Fu.C.2	1.06			0.41	0.000	0.000 T	31.56	-0.10	-0.10	-0.10
S54	Fu.C.3	-0.32			-0.49	0.000	0.000 D	-25.28	-0.03	-0.03	-0.03
	Fu.C.1	0.33			15.37	0.000	0.000 D	-17.20	2.41	2.41	2.41
	Fu.C.2	0.41			1.06	0.000	0.000 T	31.56	0.10	0.10	0.10
S55	Fu.C.3	-0.49			-0.32	0.000	0.000 D	-25.28	0.03	0.03	0.03
	Fu.C.1	15.37			0.00	0.000	0.000 D	-45.30	-2.46	-2.46	-2.46

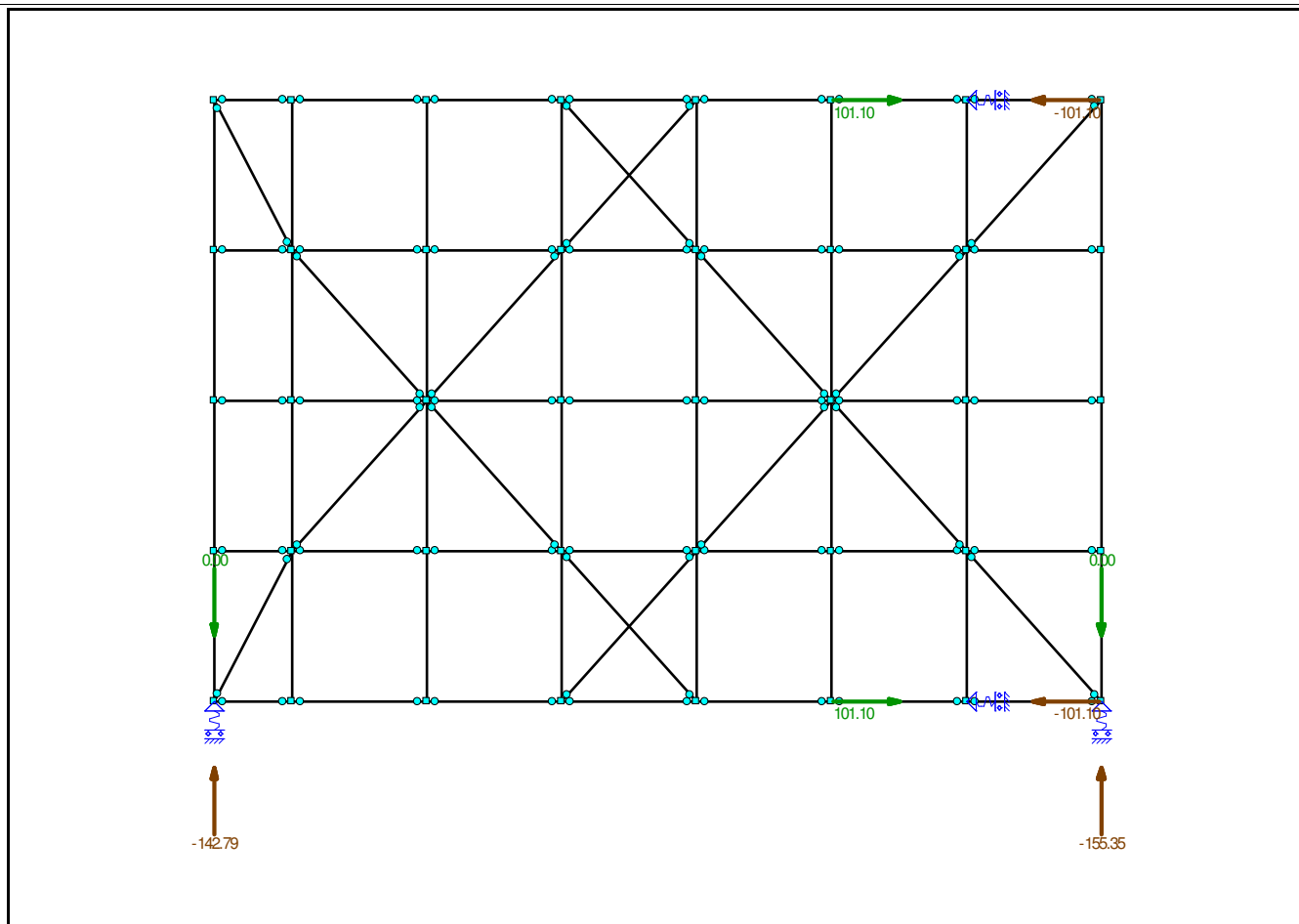
Wopereis Staalbouw						Pos 1-6 - Wind verdeling					
--------------------	--	--	--	--	--	--------------------------	--	--	--	--	--

Staaf	B.C.	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Vb	Vmax	Ve
S55	Fu.C.2	1.06			0.00	0.000	0.000 D	0.00	-0.17	-0.17	-0.17
	Fu.C.3	-0.32			0.00	0.000	0.000 D	-25.28	0.05	0.05	0.05
S56	Fu.C.1	0.00			-14.26	0.000	0.000 -	0.00	-2.28	-2.28	-2.28
	Fu.C.2	0.00			1.76	0.000	0.000 -	0.00	0.28	0.28	0.28
S57	Fu.C.3	0.00			-0.52	0.000	0.000 -	0.00	-0.08	-0.08	-0.08
	Fu.C.1	-14.26			0.48	6.048	0.000 -	0.00	2.36	2.36	2.36
S58	Fu.C.2	1.76			-0.21	5.575	0.000 -	0.00	-0.32	-0.32	-0.32
	Fu.C.3	-0.52			-0.41	0.000	0.000 -	0.00	0.02	0.02	0.02
S59	Fu.C.1	0.48			15.89	0.000	0.000 D	-45.30	2.47	2.47	2.47
	Fu.C.2	-0.21			1.76	0.675	0.000 -	0.00	0.32	0.32	0.32
S60	Fu.C.3	-0.41			-0.52	0.000	0.000 -	0.00	-0.02	-0.02	-0.02
	Fu.C.1	15.89			0.00	0.000	0.000 D	-45.30	-2.54	-2.54	-2.54
S61	Fu.C.2	1.76			0.00	0.000	0.000 -	0.00	-0.28	-0.28	-0.28
	Fu.C.3	-0.52			0.00	0.000	0.000 -	0.00	0.08	0.08	0.08
S62	Fu.C.1	0.00			-14.00	0.000	0.000 -	0.00	-2.24	-2.24	-2.24
	Fu.C.2	0.00			2.22	0.000	0.000 -	0.00	0.35	0.35	0.35
S63	Fu.C.3	0.00			-0.47	0.000	0.000 -	0.00	-0.07	-0.07	-0.07
	Fu.C.1	-14.00			-0.09	0.000	0.000 T	0.00	2.23	2.23	2.23
S64	Fu.C.2	2.22			-0.42	5.256	0.000 D	0.00	-0.42	-0.42	-0.42
	Fu.C.3	-0.47			-0.76	0.000	0.000 T	39.81	-0.05	-0.05	-0.05
S65	Fu.C.1	-0.09			16.91	0.032	0.000 T	0.00	2.72	2.72	2.72
	Fu.C.2	-0.42			2.22	0.994	0.000 D	0.00	0.42	0.42	0.42
S66	Fu.C.3	-0.76			-0.47	0.000	0.000 T	39.81	0.05	0.05	0.05
	Fu.C.1	16.91			0.00	0.000	0.000 D	-45.30	-2.71	-2.71	-2.71
S67	Fu.C.2	2.22			0.00	0.000	0.000 -	0.00	-0.35	-0.35	-0.35
	Fu.C.3	-0.47			0.00	0.000	0.000 -	0.00	0.07	0.07	0.07
S68	Fu.C.1	0.00			-2.04	0.000	0.000 D	-155.35	-0.33	-0.33	-0.33
	Fu.C.2	0.00			0.32	0.000	0.000 T	0.00	0.05	0.05	0.05
S69	Fu.C.3	0.00			-0.06	0.000	0.000 D	-58.91	-0.01	-0.01	-0.01
	Fu.C.1	-2.04			-0.03	0.000	0.000 D	-155.35	0.32	0.32	0.32
S70	Fu.C.2	0.32			-0.06	5.263	0.000 T	0.00	-0.06	-0.06	-0.06
	Fu.C.3	-0.06			-0.12	0.000	0.000 D	-58.91	-0.01	-0.01	-0.01
S71	Fu.C.1	-0.03			2.55	0.079	0.000 D	-155.35	0.41	0.41	0.41
	Fu.C.2	-0.06			0.32	0.987	0.000 T	0.00	0.06	0.06	0.06
S72	Fu.C.3	-0.12			-0.06	0.000	0.000 D	-58.91	0.01	0.01	0.01
	Fu.C.1	2.55			0.00	0.000	0.000 D	-155.35	-0.41	-0.41	-0.41
S73	Fu.C.2	0.32			0.00	0.000	0.000 T	0.00	-0.05	-0.05	-0.05
	Fu.C.3	-0.06			0.00	0.000	0.000 D	-58.91	0.01	0.01	0.01
S74	Fu.C.1	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	0.000	0.000 T	73.24	0.00	0.00	0.00
S75	Fu.C.3	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	0.000	0.000 T	34.98	0.00	0.00	0.00
S76	Fu.C.2	0.00			0.00	0.000	0.000 T	60.96	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S77	Fu.C.1	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	0.000	0.000 T	33.94	0.00	0.00	0.00
S78	Fu.C.3	0.00			0.00	0.000	0.000 T	0.00	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S79	Fu.C.2	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	0.000	0.000 T	79.10	0.00	0.00	0.00
S80	Fu.C.1	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S81	Fu.C.3	0.00			0.00	0.000	0.000 T	12.15	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	0.000	0.000 T	58.08	0.00	0.00	0.00
S82	Fu.C.2	0.00			0.00	0.000	0.000 T	18.58	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S83	Fu.C.1	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S84	Fu.C.3	0.00			0.00	0.000	0.000 T	25.65	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	0.000	0.000 T	125.92	0.00	0.00	0.00
S85	Fu.C.2	0.00			0.00	0.000	0.000 T	20.96	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S86	Fu.C.1	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S87	Fu.C.3	0.00			0.00	0.000	0.000 T	25.65	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	0.000	0.000 T	125.92	0.00	0.00	0.00
S88	Fu.C.2	0.00			0.00	0.000	0.000 T	20.96	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S89	Fu.C.1	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S90	Fu.C.3	0.00			0.00	0.000	0.000 T	25.65	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	0.000	0.000 T	125.92	0.00	0.00	0.00
S91	Fu.C.2	0.00			0.00	0.000	0.000 T	20.96	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S92	Fu.C.1	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S93	Fu.C.3	0.00			0.00	0.000	0.000 T	25.65	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	0.000	0.000 T	125.92	0.00	0.00	0.00
S94	Fu.C.2	0.00			0.00	0.000	0.000 T	20.96	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S95	Fu.C.1	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S96	Fu.C.3	0.00			0.00	0.000	0.000 T	25.65	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	0.000	0.000 T	125.92	0.00	0.00	0.00
S97	Fu.C.2	0.00			0.00	0.000	0.000 T	20.96	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S98	Fu.C.1	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S99	Fu.C.3	0.00			0.00	0.000	0.000 T	25.65	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	0.000	0.000 T	125.92	0.00	0.00	0.00
S100	Fu.C.2	0.00			0.00	0.000	0.000 T	20.96	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00

Staal	B.C.	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Vb	Vmax	Ve
S77	Fu.C.2	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	0.000	0.000 T	12.15	0.00	0.00	0.00
S78	Fu.C.1	0.00			0.00	0.000	0.000 T	117.37	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S79	Fu.C.3	0.00			0.00	0.000	0.000 T	25.65	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	0.000	0.000 T	1.53	0.00	0.00	0.00
S80	Fu.C.2	0.00			0.00	0.000	0.000 T	18.58	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S81	Fu.C.1	0.00			0.00	0.000	0.000 T	146.18	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	0.000	0.000 T	73.24	0.00	0.00	0.00
S82	Fu.C.3	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S83	Fu.C.2	0.00			0.00	0.000	0.000 T	33.94	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	0.000	0.000 T	39.26	0.00	0.00	0.00
S84	Fu.C.1	0.00			0.00	0.000	0.000 T	60.96	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S85	Fu.C.3	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.1	0.00			0.00	0.000	0.000 T	178.19	0.00	0.00	0.00
S86	Fu.C.2	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	0.000	0.000 T	79.10	0.00	0.00	0.00
-	-	kNm	kNm	m	kNm	m	m -	kN	kN	kN	kN

AFB. FU.C. OPLEGREACTIES / SUPPORT REACTIONS OMHULLENDE

Fundamenteel Belastingscombinaties



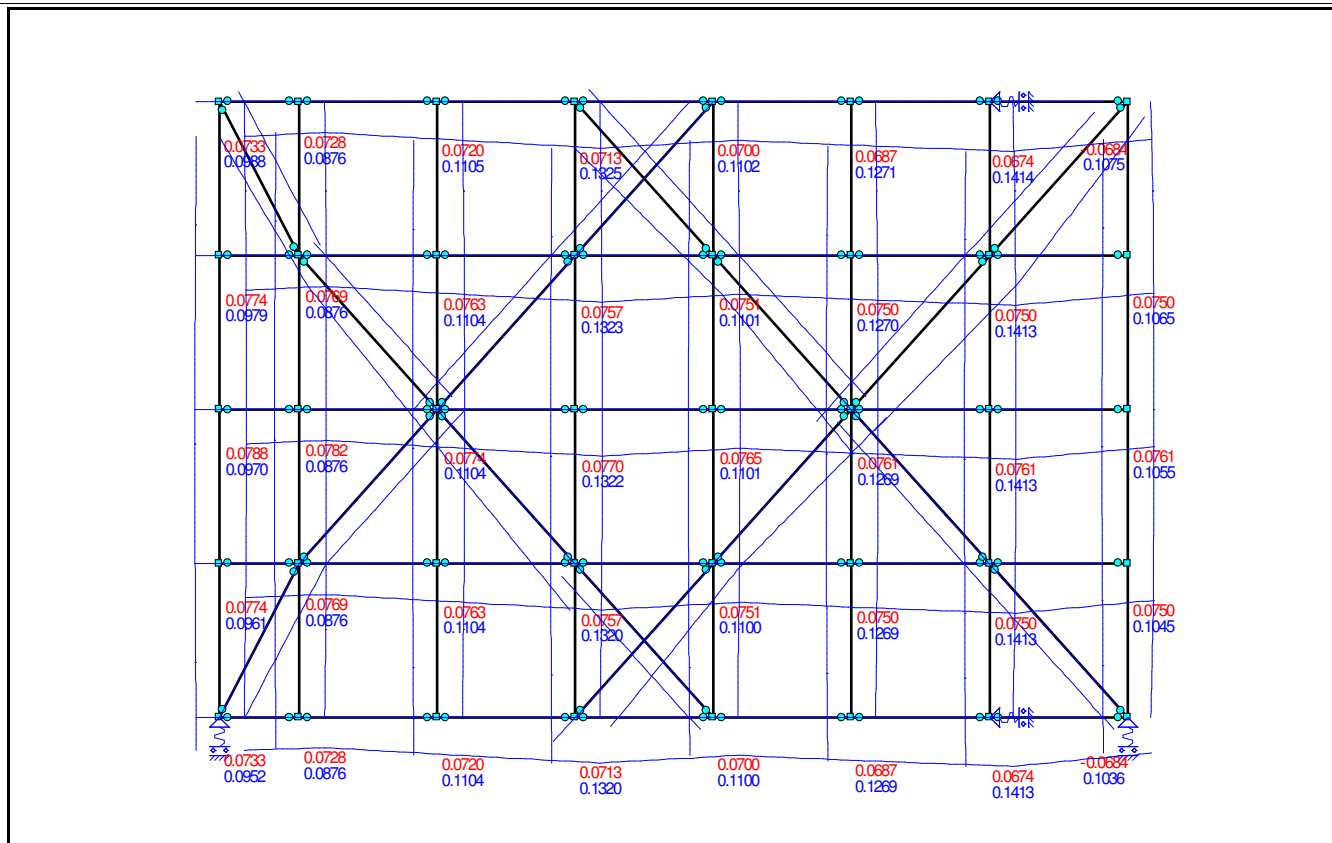
FU.C. EXTREME OPLEGREACTIES ANALYSE

Oplegging	Knoop	B.C.	Xmax	Z	My B.C.	X	Zmax	My B.C.	X	Z Mymax
O1	K1				Fu.C.3	0.00	0.00	0.00		
O1	K1				Fu.C.1	0.00	-142.79	0.00		
O2	K7	Fu.C.3	101.10	0.00	0.00					
O2	K7	Fu.C.2	-101.10	0.00	0.00					
O3	K8				Fu.C.2	0.00	0.00	0.00		

Oplegging	Knoop	B.C.	Xmax	Z	My B.C.	X	Zmax	My B.C.	X	Z	Mymax
O3	K8				Fu.C.1	0.00	-155.35	0.00			
O4	K39	Fu.C.3	101.10	0.00	0.00						
O4	K39	Fu.C.2	-101.10	0.00	0.00						
Globale extreme waarden											
O4	K39	Fu.C.3	101.10	0.00	0.00						
O4	K39	Fu.C.2	-101.10	0.00	0.00						
O1	K1				Fu.C.3	0.00	0.00	0.00			
O3	K8				Fu.C.1	0.00	-155.35	0.00			
-	-	-	kN	kN	kNm	-	kN	kN	kNm	kN	kN

AFB. KA.C. VERPLAATSINGEN / DISPLACEMENTS OMHULLENDE

Karakteristiek Belastingscombinaties



KA.C. KNOOPVERPLAATSINGEN ANALYSE

Knoop	B.C.	X	Z	Yr
K1	Ka.C.1	0.0066	0.0952	5.319e-03
	Ka.C.2	0.0733	0.0000	-0.767e-03
	Ka.C.3	-0.0680	0.0000	0.384e-03
K2	Ka.C.1	0.0066	0.0876	5.320e-03
	Ka.C.2	0.0728	0.0009	-0.739e-03
	Ka.C.3	-0.0680	0.0001	0.384e-03
K3	Ka.C.1	0.0067	0.1104	5.351e-03
	Ka.C.2	0.0720	0.0008	-0.785e-03
	Ka.C.3	-0.0680	0.0003	0.385e-03
K4	Ka.C.1	0.0067	0.1320	5.463e-03
	Ka.C.2	0.0713	0.0002	-0.809e-03
	Ka.C.3	-0.0680	0.0004	0.365e-03
K5	Ka.C.1	0.0065	0.1100	5.319e-03
	Ka.C.2	0.0700	0.0005	-0.943e-03
	Ka.C.3	-0.0680	0.0002	0.423e-03
K6	Ka.C.1	0.0063	0.1269	5.272e-03
	Ka.C.2	0.0687	0.0004	-1.233e-03
	Ka.C.3	-0.0677	0.0007	0.542e-03
K7	Ka.C.1	0.0062	0.1413	5.200e-03
	Ka.C.2	0.0674	0.0002	-1.493e-03
	Ka.C.3	-0.0674	0.0008	0.629e-03
K8	Ka.C.1	0.0062	0.1036	5.192e-03
	Ka.C.2	0.0674	0.0000	-1.493e-03
	Ka.C.3	-0.0684	0.0000	0.584e-03

Wopereis Staalbouw		Pos 1-6 - Wind verdeling
---------------------------	--	---------------------------------

Knoop	B.C.	X	Z	Yr
K9	Ka.C.1	-0.0161	0.0961	0.249e-03
	Ka.C.2	0.0774	0.0004	-0.474e-03
	Ka.C.3	-0.0701	0.0000	0.236e-03
K10	Ka.C.1	-0.0161	0.0876	0.252e-03
	Ka.C.2	0.0769	0.0009	-0.465e-03
	Ka.C.3	-0.0701	0.0001	0.236e-03
K11	Ka.C.1	-0.0162	0.1104	0.251e-03
	Ka.C.2	0.0763	0.0008	-0.450e-03
	Ka.C.3	-0.0701	0.0003	0.236e-03
K12	Ka.C.1	-0.0163	0.1320	0.144e-03
	Ka.C.2	0.0757	0.0003	-0.482e-03
	Ka.C.3	-0.0701	0.0004	0.279e-03
K13	Ka.C.1	-0.0158	0.1100	0.049e-03
	Ka.C.2	0.0751	0.0005	-0.549e-03
	Ka.C.3	-0.0704	0.0003	0.303e-03
K14	Ka.C.1	-0.0156	0.1269	-0.037e-03
	Ka.C.2	0.0750	0.0004	-0.577e-03
	Ka.C.3	-0.0707	0.0007	0.347e-03
K15	Ka.C.1	-0.0155	0.1413	-0.015e-03
	Ka.C.2	0.0750	0.0002	-0.669e-03
	Ka.C.3	-0.0710	0.0008	0.455e-03
K16	Ka.C.1	-0.0155	0.1045	-0.007e-03
	Ka.C.2	0.0750	0.0000	-0.669e-03
	Ka.C.3	-0.0718	0.0004	0.440e-03
K17	Ka.C.1	0.0041	0.0970	-5.103e-03
	Ka.C.2	0.0788	0.0008	-0.000e-03
	Ka.C.3	-0.0708	0.0000	0.000e-03
K18	Ka.C.1	0.0041	0.0876	-5.115e-03
	Ka.C.2	0.0782	0.0008	-0.000e-03
	Ka.C.3	-0.0708	0.0001	0.000e-03
K19	Ka.C.1	0.0041	0.1104	-5.120e-03
	Ka.C.2	0.0774	0.0008	-0.000e-03
	Ka.C.3	-0.0708	0.0003	0.000e-03
K20	Ka.C.1	0.0049	0.1322	-5.148e-03
	Ka.C.2	0.0770	0.0004	-0.000e-03
	Ka.C.3	-0.0711	0.0003	0.000e-03
K21	Ka.C.1	0.0056	0.1101	-5.098e-03
	Ka.C.2	0.0765	0.0004	-0.000e-03
	Ka.C.3	-0.0714	0.0003	0.000e-03
K22	Ka.C.1	0.0064	0.1269	-5.168e-03
	Ka.C.2	0.0761	0.0004	-0.000e-03
	Ka.C.3	-0.0717	0.0007	0.000e-03
K23	Ka.C.1	0.0064	0.1413	-5.261e-03
	Ka.C.2	0.0761	0.0002	-0.000e-03
	Ka.C.3	-0.0725	0.0007	0.000e-03
K24	Ka.C.1	0.0064	0.1055	-5.289e-03
	Ka.C.2	0.0761	0.0000	-0.000e-03
	Ka.C.3	-0.0733	0.0007	0.000e-03
K25	Ka.C.1	0.0254	0.0979	0.265e-03
	Ka.C.2	0.0774	0.0012	0.474e-03
	Ka.C.3	-0.0701	0.0000	-0.236e-03
K26	Ka.C.1	0.0254	0.0876	0.302e-03
	Ka.C.2	0.0769	0.0007	0.465e-03
	Ka.C.3	-0.0701	0.0001	-0.236e-03
K27	Ka.C.1	0.0252	0.1104	0.379e-03
	Ka.C.2	0.0763	0.0008	0.450e-03
	Ka.C.3	-0.0701	0.0003	-0.236e-03
K28	Ka.C.1	0.0251	0.1323	0.566e-03
	Ka.C.2	0.0757	0.0005	0.482e-03
	Ka.C.3	-0.0701	0.0003	-0.279e-03
K29	Ka.C.1	0.0251	0.1101	0.749e-03
	Ka.C.2	0.0751	0.0003	0.549e-03
	Ka.C.3	-0.0704	0.0004	-0.303e-03
K30	Ka.C.1	0.0256	0.1270	0.927e-03
	Ka.C.2	0.0750	0.0004	0.577e-03
	Ka.C.3	-0.0707	0.0007	-0.347e-03
K31	Ka.C.1	0.0263	0.1413	1.002e-03
	Ka.C.2	0.0750	0.0002	0.669e-03
	Ka.C.3	-0.0710	0.0007	-0.455e-03
K32	Ka.C.1	0.0263	0.1065	1.116e-03
	Ka.C.2	0.0750	0.0000	0.669e-03

Wopereis Staalbouw		Pos 1-6 - Wind verdeling
---------------------------	--	---------------------------------

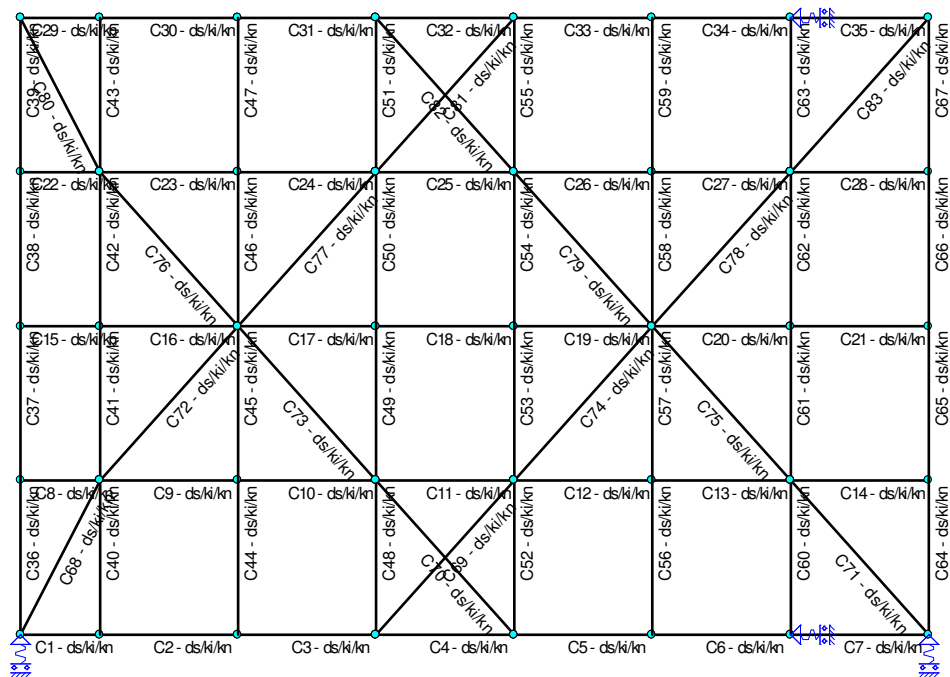
Knoop	B.C.	X	Z	Yr
K32	Ka.C.3	-0.0718	0.0011	-0.440e-03
K33	Ka.C.1	0.0002	0.0988	5.914e-03
	Ka.C.2	0.0733	0.0016	0.767e-03
	Ka.C.3	-0.0680	0.0000	-0.384e-03
K34	Ka.C.1	-0.0003	0.0876	6.020e-03
	Ka.C.2	0.0728	0.0007	0.739e-03
	Ka.C.3	-0.0680	0.0001	-0.384e-03
K35	Ka.C.1	-0.0012	0.1105	6.148e-03
	Ka.C.2	0.0720	0.0008	0.785e-03
	Ka.C.3	-0.0680	0.0003	-0.385e-03
K36	Ka.C.1	-0.0022	0.1325	6.254e-03
	Ka.C.2	0.0713	0.0006	0.809e-03
	Ka.C.3	-0.0680	0.0003	-0.365e-03
K37	Ka.C.1	-0.0035	0.1102	6.473e-03
	Ka.C.2	0.0700	0.0003	0.943e-03
	Ka.C.3	-0.0680	0.0004	-0.423e-03
K38	Ka.C.1	-0.0048	0.1271	6.844e-03
	Ka.C.2	0.0687	0.0004	1.233e-03
	Ka.C.3	-0.0677	0.0007	-0.542e-03
K39	Ka.C.1	-0.0062	0.1414	7.298e-03
	Ka.C.2	0.0674	0.0002	1.493e-03
	Ka.C.3	-0.0674	0.0007	-0.629e-03
K40	Ka.C.1	-0.0077	0.1075	7.604e-03
	Ka.C.2	0.0674	0.0000	1.493e-03
	Ka.C.3	-0.0684	0.0015	-0.584e-03
-	-	m	m	rad

KA.C. EXTREME DOORBUIGINGEN ANALYSE

Staat	B.C.	Knoop Begin		Staat	Z'	Knoop Eind	
		X	Z			X	Z
S36	Ka.C.1	0,007	0,095	3.608	-0.0041	-0,016	0,096
S36	Ka.C.2	0,073	0,000	3.608	0.0002	0,077	0,000
S37	Ka.C.1	-0,016	0,096	2.687	-0.0043	0,004	0,097
S37	Ka.C.2	0,077	0,000	3.004	0.0004	0,079	0,001
S38	Ka.C.1	0,004	0,097	3.652	0.0043	0,025	0,098
S38	Ka.C.3	-0,071	0,000	3.258	-0.0002	-0,070	0,000
S39	Ka.C.1	0,025	0,098	2.642	0.0045	0,000	0,099
S39	Ka.C.3	-0,070	0,000	2.642	-0.0001	-0,068	0,000
S40	Ka.C.1	0,007	0,088	3.608	-0.0041	-0,016	0,088
S40	Ka.C.2	0,073	0,001	3.608	0.0002	0,077	0,001
S41	Ka.C.1	-0,016	0,088	2.689	-0.0043	0,004	0,088
S41	Ka.C.2	0,077	0,001	3.032	0.0004	0,078	0,001
S42	Ka.C.1	0,004	0,088	3.654	0.0044	0,025	0,088
S42	Ka.C.3	-0,071	0,000	3.258	-0.0002	-0,070	0,000
S43	Ka.C.1	0,025	0,088	2.642	0.0046	0,000	0,088
S43	Ka.C.3	-0,070	0,000	2.642	-0.0001	-0,068	0,000
S44	Ka.C.1	0,007	0,110	3.608	-0.0041	-0,016	0,110
S44	Ka.C.2	0,072	0,001	3.608	0.0003	0,076	0,001
S45	Ka.C.1	-0,016	0,110	2.684	-0.0043	0,004	0,110
S45	Ka.C.2	0,076	0,001	2.877	0.0004	0,077	0,001
S46	Ka.C.1	0,004	0,110	3.649	0.0044	0,025	0,110
S46	Ka.C.3	-0,071	0,000	3.263	-0.0002	-0,070	0,000
S47	Ka.C.1	0,025	0,110	2.642	0.0046	-0,001	0,111
S47	Ka.C.3	-0,070	0,000	2.642	-0.0001	-0,068	0,000
S48	Ka.C.1	0,007	0,132	3.608	-0.0043	-0,016	0,132
S48	Ka.C.2	0,071	0,000	3.608	0.0003	0,076	0,000
S49	Ka.C.1	-0,016	0,132	2.637	-0.0042	0,005	0,132
S49	Ka.C.2	0,076	0,000	2.940	0.0004	0,077	0,000
S50	Ka.C.1	0,005	0,132	3.605	0.0046	0,025	0,132
S50	Ka.C.3	-0,071	0,000	2.926	-0.0002	-0,070	0,000
S51	Ka.C.1	0,025	0,132	2.642	0.0046	-0,002	0,132
S51	Ka.C.3	-0,070	0,000	2.642	-0.0001	-0,068	0,000
S52	Ka.C.1	0,007	0,110	3.608	-0.0042	-0,016	0,110
S52	Ka.C.2	0,070	0,000	3.608	0.0003	0,075	0,000
S53	Ka.C.1	-0,016	0,110	2.622	-0.0041	0,006	0,110
S53	Ka.C.2	0,075	0,000	2.900	0.0004	0,077	0,000
S54	Ka.C.1	0,006	0,110	3.591	0.0047	0,025	0,110

Staaf	B.C.	Knoop Begin		Staaf		Knoop Eind	
		X	Z	Z'afst	Z'	X	Z
S54	Ka.C.3	-0,071	0,000	3.016	-0.0002	-0,070	0,000
S55	Ka.C.1	0,025	0,110	2.642	0.0046	-0,003	0,110
S55	Ka.C.3	-0,070	0,000	2.642	-0.0001	-0,068	0,000
S56	Ka.C.1	0,006	0,127	3.608	-0.0043	-0,016	0,127
S56	Ka.C.2	0,069	0,000	3.608	0.0005	0,075	0,000
S57	Ka.C.1	-0,016	0,127	2.613	-0.0041	0,006	0,127
S57	Ka.C.2	0,075	0,000	2.532	0.0005	0,076	0,000
S58	Ka.C.1	0,006	0,127	3.584	0.0049	0,026	0,127
S58	Ka.C.3	-0,072	0,001	3.186	-0.0003	-0,071	0,001
S59	Ka.C.1	0,026	0,127	2.642	0.0047	-0,005	0,127
S59	Ka.C.3	-0,071	0,001	2.642	-0.0002	-0,068	0,001
S60	Ka.C.1	0,006	0,141	3.608	-0.0042	-0,015	0,141
S60	Ka.C.2	0,067	0,000	3.608	0.0007	0,075	0,000
S61	Ka.C.1	-0,015	0,141	2.647	-0.0042	0,006	0,141
S61	Ka.C.2	0,075	0,000	2.464	0.0006	0,076	0,000
S62	Ka.C.1	0,006	0,141	3.613	0.0050	0,026	0,141
S62	Ka.C.3	-0,073	0,001	3.002	-0.0004	-0,071	0,001
S63	Ka.C.1	0,026	0,141	2.642	0.0050	-0,006	0,141
S63	Ka.C.3	-0,071	0,001	2.642	-0.0001	-0,067	0,001
S64	Ka.C.1	0,006	0,104	3.608	-0.0042	-0,015	0,105
S64	Ka.C.2	0,067	0,000	3.608	0.0007	0,075	0,000
S65	Ka.C.1	-0,015	0,105	2.655	-0.0042	0,006	0,106
S65	Ka.C.2	0,075	0,000	2.465	0.0006	0,076	0,000
S66	Ka.C.1	0,006	0,106	3.619	0.0051	0,026	0,107
S66	Ka.C.3	-0,073	0,001	2.946	-0.0003	-0,072	0,001
S67	Ka.C.1	0,026	0,107	2.642	0.0052	-0,008	0,107
S67	Ka.C.3	-0,072	0,001	2.642	-0.0001	-0,068	0,001
-	-	m	m	m	m	m	m

AFB. STAALCONTROLE / STEEL CODE CHECK



SAMENSTELLING CONSTRUCTIEDELEN

Constructiedeel	Staaf/staven
C1	S1

Wopereis Staalbouw		Pos 1-6 - Wind verdeling
---------------------------	--	---------------------------------

C2	S2
C3	S3
C4	S4
C5	S5
C6	S6
C7	S7
C8	S8
C9	S9
C10	S10
C11	S11
C12	S12
C13	S13
C14	S14
C15	S15
C16	S16
C17	S17
C18	S18
C19	S19
C20	S20
C21	S21
C22	S22
C23	S23
C24	S24
C25	S25
C26	S26
C27	S27
C28	S28
C29	S29
C30	S30
C31	S31
C32	S32
C33	S33
C34	S34
C35	S35
C36	S36
C37	S37
C38	S38
C39	S39
C40	S40
C41	S41
C42	S42
C43	S43
C44	S44
C45	S45
C46	S46
C47	S47
C48	S48
C49	S49
C50	S50
C51	S51
C52	S52
C53	S53
C54	S54
C55	S55
C56	S56
C57	S57
C58	S58
C59	S59
C60	S60
C61	S61
C62	S62
C63	S63
C64	S64
C65	S65

Wopereis Staalbouw		Pos 1-6 - Wind verdeling
---------------------------	--	---------------------------------

C66	S66
C67	S67
C68	S68
C69	S69
C70	S70
C71	S71
C72	S72
C73	S73
C74	S74
C75	S75
C76	S76
C77	S77
C78	S78
C79	S79
C80	S80
C81	S81
C82	S82
C83	S83

KNIKLENGTEGEGEVENS

Staaf	Profiel	Lokale Y-as				Lokale Z-as		
		Lsys	methode	Lbuc	Lbuc/Lsys	methode	Lbuc	Lbuc/Lsys
C1 - V1 (0.000-3.260)	P7	3.260	Geschoord	3.138	0.96	Cons. gesch.	3.260	1.00
C2 - V1 (0.000-5.600)	P7	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C3 - V1 (0.000-5.600)	P7	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C4 - V1 (0.000-5.600)	P7	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C5 - V1 (0.000-5.600)	P7	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C6 - V1 (0.000-5.600)	P7	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C7 - V1 (0.000-5.600)	P7	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C8 - V1 (0.000-3.260)	P4	3.260	Geschoord	3.138	0.96	Cons. gesch.	3.260	1.00
C9 - V1 (0.000-5.600)	P4	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C10 - V1 (0.000-5.600)	P4	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C11 - V1 (0.000-5.600)	P4	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C12 - V1 (0.000-5.600)	P4	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C13 - V1 (0.000-5.600)	P4	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C14 - V1 (0.000-5.600)	P8	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C15 - V1 (0.000-3.260)	P4	3.260	Geschoord	3.138	0.96	Cons. gesch.	3.260	1.00
C16 - V1 (0.000-5.600)	P8	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C17 - V1 (0.000-5.600)	P4	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C18 - V1 (0.000-5.600)	P4	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C19 - V1 (0.000-5.600)	P4	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C20 - V1 (0.000-5.600)	P8	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C21 - V1 (0.000-5.600)	P8	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C22 - V1 (0.000-3.260)	P4	3.260	Geschoord	3.138	0.96	Cons. gesch.	3.260	1.00
C23 - V1 (0.000-5.600)	P4	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C24 - V1 (0.000-5.600)	P4	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C25 - V1 (0.000-5.600)	P4	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C26 - V1 (0.000-5.600)	P4	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C27 - V1 (0.000-5.600)	P4	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C28 - V1 (0.000-5.600)	P8	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C29 - V1 (0.000-3.260)	P7	3.260	Geschoord	3.138	0.96	Cons. gesch.	3.260	1.00
C30 - V1 (0.000-5.600)	P7	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C31 - V1 (0.000-5.600)	P7	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C32 - V1 (0.000-5.600)	P7	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C33 - V1 (0.000-5.600)	P7	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C34 - V1 (0.000-5.600)	P7	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C35 - V1 (0.000-5.600)	P7	5.600	Geschoord	5.390	0.96	Cons. gesch.	5.600	1.00
C36 - V1 (0.000-6.250)	P1	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
C37 - V1 (0.000-6.250)	P1	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81

Wopereis Staalbouw		Pos 1-6 - Wind verdeling
---------------------------	--	---------------------------------

Staaf	Profiel	Lokale Y-as			Lokale Z-as			
		Lsys	methode	Lbuc	Lbuc/Lsys	methode	Lbuc	Lbuc/Lsys
C38 - V1 (0.000-6.250)	P1	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
C39 - V1 (0.000-6.250)	P1	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
C41 - V1 (0.000-6.250)	P2	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
C42 - V1 (0.000-6.250)	P2	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
C43 - V1 (0.000-6.250)	P2	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
C46 - V1 (0.000-6.250)	P2	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
C47 - V1 (0.000-6.250)	P2	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
C48 - V1 (0.000-6.250)	P2	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
C49 - V1 (0.000-6.250)	P2	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.021	0.80
C50 - V1 (0.000-6.250)	P2	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.021	0.80
C51 - V1 (0.000-6.250)	P2	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
C52 - V1 (0.000-6.250)	P2	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
C53 - V1 (0.000-6.250)	P2	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.021	0.80
C54 - V1 (0.000-6.250)	P2	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.021	0.80
C55 - V1 (0.000-6.250)	P2	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
C58 - V1 (0.000-6.250)	P2	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
C59 - V1 (0.000-6.250)	P2	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
C61 - V1 (0.000-6.250)	P2	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
C62 - V1 (0.000-6.250)	P2	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
C63 - V1 (0.000-6.250)	P2	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
C64 - V1 (0.000-6.250)	P1	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
C65 - V1 (0.000-6.250)	P1	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
C66 - V1 (0.000-6.250)	P1	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
C67 - V1 (0.000-6.250)	P1	6.250	Cons. gesch.	6.250	1.00	Geschoord	5.044	0.81
-	-	m	-	m	-	-	m	-

KIPSTEUNENGEGEVENS

Staaf	Profiel	Begin:	Eind:	Kipsteunen boven	Kipsteunen onder	Aangrijphoogte
C1 - V1 (0.000-3.260)	P7	Gesteund	Gesteund			Centrum
C2 - V1 (0.000-5.600)	P7	Gesteund	Gesteund			Centrum
C3 - V1 (0.000-5.600)	P7	Gesteund	Gesteund			Centrum
C4 - V1 (0.000-5.600)	P7	Gesteund	Gesteund			Centrum
C5 - V1 (0.000-5.600)	P7	Gesteund	Gesteund			Centrum
C6 - V1 (0.000-5.600)	P7	Gesteund	Gesteund			Centrum
C7 - V1 (0.000-5.600)	P7	Gesteund	Gesteund			Centrum
C8 - V1 (0.000-3.260)	P4	Gesteund	Gesteund			Centrum
C9 - V1 (0.000-5.600)	P4	Gesteund	Gesteund			Centrum
C10 - V1 (0.000-5.600)	P4	Gesteund	Gesteund			Centrum
C11 - V1 (0.000-5.600)	P4	Gesteund	Gesteund			Centrum
C12 - V1 (0.000-5.600)	P4	Gesteund	Gesteund			Centrum
C13 - V1 (0.000-5.600)	P4	Gesteund	Gesteund			Centrum
C14 - V1 (0.000-5.600)	P8	Gesteund	Gesteund			Centrum
C15 - V1 (0.000-3.260)	P4	Gesteund	Gesteund			Centrum
C16 - V1 (0.000-5.600)	P8	Gesteund	Gesteund			Centrum
C17 - V1 (0.000-5.600)	P4	Gesteund	Gesteund			Centrum
C18 - V1 (0.000-5.600)	P4	Gesteund	Gesteund			Centrum
C19 - V1 (0.000-5.600)	P4	Gesteund	Gesteund			Centrum
C20 - V1 (0.000-5.600)	P8	Gesteund	Gesteund			Centrum
C21 - V1 (0.000-5.600)	P8	Gesteund	Gesteund			Centrum
C22 - V1 (0.000-3.260)	P4	Gesteund	Gesteund			Centrum
C23 - V1 (0.000-5.600)	P4	Gesteund	Gesteund			Centrum
C24 - V1 (0.000-5.600)	P4	Gesteund	Gesteund			Centrum
C25 - V1 (0.000-5.600)	P4	Gesteund	Gesteund			Centrum
C26 - V1 (0.000-5.600)	P4	Gesteund	Gesteund			Centrum
C27 - V1 (0.000-5.600)	P4	Gesteund	Gesteund			Centrum
C28 - V1 (0.000-5.600)	P8	Gesteund	Gesteund			Centrum

Wopereis Staalbouw		Pos 1-6 - Wind verdeling
---------------------------	--	---------------------------------

Staaf	Profiel	Begin:	Eind:	Kipsteunen boven	Kipsteunen onder	Aangrijphoogte
C29 - V1 (0.000-3.260)	P7	Gesteund	Gesteund			Centrum
C30 - V1 (0.000-5.600)	P7	Gesteund	Gesteund			Centrum
C31 - V1 (0.000-5.600)	P7	Gesteund	Gesteund			Centrum
C32 - V1 (0.000-5.600)	P7	Gesteund	Gesteund			Centrum
C33 - V1 (0.000-5.600)	P7	Gesteund	Gesteund			Centrum
C34 - V1 (0.000-5.600)	P7	Gesteund	Gesteund			Centrum
C35 - V1 (0.000-5.600)	P7	Gesteund	Gesteund			Centrum
C36 - V1 (0.000-6.250)	P1	Gesteund	Gesteund			Centrum
C37 - V1 (0.000-6.250)	P1	Gesteund	Gesteund			Centrum
C38 - V1 (0.000-6.250)	P1	Gesteund	Gesteund			Centrum
C39 - V1 (0.000-6.250)	P1	Gesteund	Gesteund			Centrum
C40 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C41 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C42 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C43 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C44 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C45 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C46 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C47 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C48 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C49 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C50 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C51 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C52 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C53 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C54 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C55 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C56 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C57 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C58 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C59 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C60 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C61 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C62 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C63 - V1 (0.000-6.250)	P2	Gesteund	Gesteund			Centrum
C64 - V1 (0.000-6.250)	P1	Gesteund	Gesteund			Centrum
C65 - V1 (0.000-6.250)	P1	Gesteund	Gesteund			Centrum
C66 - V1 (0.000-6.250)	P1	Gesteund	Gesteund			Centrum
C67 - V1 (0.000-6.250)	P1	Gesteund	Gesteund			Centrum
-	-	-	-	m	m	-

UNITY CHECK NEN-EN1993-1-1:2016/NB:2016

Veld	Toetsing	Combinatie	Artikel	UC max
C1-V1 (0.000-3.260)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.9)	0,18
C1-V1 (0.000-3.260)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,25
C1-V1 (0.000-3.260)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,26
C1-V1 (0.000-3.260)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,26
C1-V1 (0.000-3.260)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C2-V1 (0.000-5.600)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.9)	0,18
C2-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,42
C2-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,45
C2-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,45
C2-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C3-V1 (0.000-5.600)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.9)	0,18
C3-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,43
C3-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,45

Wopereis Staalbouw		Pos 1-6 - Wind verdeling
---------------------------	--	---------------------------------

Veld	Toetsing	Combinatie	Artikel	UC max
C3-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,45
C3-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C4-V1 (0.000-5.600)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.9)	0,31
C4-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,72
C4-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,76
C4-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,76
C4-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C5-V1 (0.000-5.600)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.9)	0,31
C5-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,72
C5-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,76
C5-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,76
C5-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C6-V1 (0.000-5.600)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.9)	0,31
C6-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,72
C6-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,76
C6-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,76
C6-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C7-V1 (0.000-5.600)	Doorsnede	Fu.C.3	NEN-EN1993-1-1(6.9)	0,24
C7-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.46)	0,56
C7-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.46)	0,59
C7-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.61&6.62)	0,59
C7-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C8-V1 (0.000-3.260)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.9)	0,24
C8-V1 (0.000-3.260)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,48
C8-V1 (0.000-3.260)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,50
C8-V1 (0.000-3.260)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,50
C8-V1 (0.000-3.260)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C9-V1 (0.000-5.600)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.9)	0,14
C9-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,64
C9-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,68
C9-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,68
C9-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C10-V1 (0.000-5.600)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.9)	0,14
C10-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,63
C10-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,67
C10-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,67
C10-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C11-V1 (0.000-5.600)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.9)	0,14
C11-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,63
C11-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,67
C11-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,67
C11-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C12-V1 (0.000-5.600)	Doorsnede	Fu.C.3	NEN-EN1993-1-1(6.9)	0,07
C12-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.46)	0,31
C12-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.46)	0,33
C12-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.61&6.62)	0,33
C12-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C13-V1 (0.000-5.600)	Doorsnede	Fu.C.3	NEN-EN1993-1-1(6.9)	0,07
C13-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.46)	0,31
C13-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.46)	0,33
C13-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.61&6.62)	0,33
C13-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C14-V1 (0.000-5.600)	Doorsnede	Fu.C.3	NEN-EN1993-1-1(6.9)	0,19
C14-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.46)	0,57
C14-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.46)	0,61
C14-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.61&6.62)	0,61
C14-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00

Wopereis Staalbouw		Pos 1-6 - Wind verdeling
---------------------------	--	---------------------------------

Veld	Toetsing	Combinatie	Artikel	UC max
C15-V1 (0.000-3.260)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.9)	0,24
C15-V1 (0.000-3.260)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,48
C15-V1 (0.000-3.260)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,50
C15-V1 (0.000-3.260)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,50
C15-V1 (0.000-3.260)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C16-V1 (0.000-5.600)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.9)	0,19
C16-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,57
C16-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,61
C16-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,61
C16-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C17-V1 (0.000-5.600)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.5)	0,19
C17-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,48
C17-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,51
C17-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,51
C17-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C18-V1 (0.000-5.600)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.5)	0,19
C18-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,48
C18-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,51
C18-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,51
C18-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C19-V1 (0.000-5.600)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.5)	0,19
C19-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,48
C19-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,52
C19-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,52
C19-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C20-V1 (0.000-5.600)	Doorsnede	Fu.C.3	NEN-EN1993-1-1(6.9)	0,19
C20-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.46)	0,57
C20-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.46)	0,61
C20-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.61&6.62)	0,61
C20-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C21-V1 (0.000-5.600)	Doorsnede	Fu.C.3	NEN-EN1993-1-1(6.9)	0,19
C21-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.46)	0,57
C21-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.46)	0,61
C21-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.61&6.62)	0,61
C21-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C22-V1 (0.000-3.260)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.9)	0,24
C22-V1 (0.000-3.260)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,48
C22-V1 (0.000-3.260)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,50
C22-V1 (0.000-3.260)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,50
C22-V1 (0.000-3.260)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C23-V1 (0.000-5.600)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.9)	0,14
C23-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,64
C23-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,68
C23-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,68
C23-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C24-V1 (0.000-5.600)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.9)	0,14
C24-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,63
C24-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,67
C24-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,67
C24-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C25-V1 (0.000-5.600)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.9)	0,14
C25-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,63
C25-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,67
C25-V1 (0.000-5.600)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,67
C25-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C26-V1 (0.000-5.600)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.5)	0,14
C26-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.46)	0,31

Wopereis Staalbouw		Pos 1-6 - Wind verdeling
---------------------------	--	---------------------------------

Veld	Toetsing	Combinatie	Artikel	UC max
C26-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.46)	0,33
C26-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.61&6.62)	0,33
C26-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C27-V1 (0.000-5.600)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.5)	0,16
C27-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.46)	0,31
C27-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.46)	0,33
C27-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.61&6.62)	0,33
C27-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C28-V1 (0.000-5.600)	Doorsnede	Fu.C.3	NEN-EN1993-1-1(6.9)	0,19
C28-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.46)	0,57
C28-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.46)	0,61
C28-V1 (0.000-5.600)	Stabiliteit	Fu.C.3	NEN-EN1993-1-1(6.61&6.62)	0,61
C28-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C29-V1 (0.000-3.260)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.9)	0,21
C29-V1 (0.000-3.260)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,29
C29-V1 (0.000-3.260)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,30
C29-V1 (0.000-3.260)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,30
C29-V1 (0.000-3.260)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C30-V1 (0.000-5.600)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.9)	0,22
C30-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,50
C30-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,53
C30-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,53
C30-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C31-V1 (0.000-5.600)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.9)	0,22
C31-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,52
C31-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,55
C31-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,55
C31-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C32-V1 (0.000-5.600)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.9)	0,31
C32-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,73
C32-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,77
C32-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,77
C32-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C33-V1 (0.000-5.600)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.9)	0,32
C33-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,74
C33-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,78
C33-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,78
C33-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C34-V1 (0.000-5.600)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.9)	0,33
C34-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,76
C34-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,80
C34-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,80
C34-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C35-V1 (0.000-5.600)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.9)	0,37
C35-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,85
C35-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,89
C35-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,89
C35-V1 (0.000-5.600)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C36-V1 (0.000-6.250)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.9)	0,19
C36-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,39
C36-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,63
C36-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,74
C36-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C37-V1 (0.000-6.250)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.9)	0,19
C37-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,39
C37-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,63
C37-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,75

Wopereis Staalbouw		Pos 1-6 - Wind verdeling
---------------------------	--	---------------------------------

Veld	Toetsing	Combinatie	Artikel	UC max
C37-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C38-V1 (0.000-6.250)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.9)	0,19
C38-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,39
C38-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,63
C38-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,75
C38-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C39-V1 (0.000-6.250)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.9)	0,19
C39-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,39
C39-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,63
C39-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,76
C39-V1 (0.000-6.250)	Kiptoetsing	Fu.C.2	NEN-EN1993-1-1(6.54)	0,00
C40-V1 (0.000-6.250)	Doorsnede	Fu.C.1	Controle 1b: Buiging om de zwakke as	0,00
C40-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C41-V1 (0.000-6.250)	Doorsnede	Fu.C.2	Controle 2b: Gereduceerd opp. benodigd/aanw	0,02
C41-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,00
C41-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,00
C41-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,14
C41-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C42-V1 (0.000-6.250)	Doorsnede	Fu.C.2	Controle 2b: Gereduceerd opp. benodigd/aanw	0,02
C42-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,00
C42-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,00
C42-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,15
C42-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C43-V1 (0.000-6.250)	Doorsnede	Fu.C.1	Controle 2b: Gereduceerd opp. benodigd/aanw	0,01
C43-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,01
C43-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,03
C43-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,19
C43-V1 (0.000-6.250)	Kiptoetsing	Fu.C.2	NEN-EN1993-1-1(6.54)	0,00
C44-V1 (0.000-6.250)	Doorsnede	Fu.C.1	Controle 1b: Buiging om de zwakke as	0,00
C44-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C45-V1 (0.000-6.250)	Doorsnede	Fu.C.1	Controle 1b: Buiging om de zwakke as	0,00
C45-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C46-V1 (0.000-6.250)	Doorsnede	Fu.C.1	Controle 2b: Gereduceerd opp. benodigd/aanw	0,02
C46-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,02
C46-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,04
C46-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,19
C46-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C47-V1 (0.000-6.250)	Doorsnede	Fu.C.1	Controle 2b: Gereduceerd opp. benodigd/aanw	0,02
C47-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,02
C47-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,04
C47-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,20
C47-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C48-V1 (0.000-6.250)	Doorsnede	Fu.C.2	Controle 2b: Gereduceerd opp. benodigd/aanw	0,02
C48-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,01
C48-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,02
C48-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,17
C48-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C49-V1 (0.000-6.250)	Doorsnede	Fu.C.1	Controle 2b: Gereduceerd opp. benodigd/aanw	0,03
C49-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,03
C49-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,06
C49-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,21
C49-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C50-V1 (0.000-6.250)	Doorsnede	Fu.C.1	Controle 2b: Gereduceerd opp. benodigd/aanw	0,03
C50-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,03
C50-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,06
C50-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,22
C50-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00

Wopereis Staalbouw		Pos 1-6 - Wind verdeling
---------------------------	--	---------------------------------

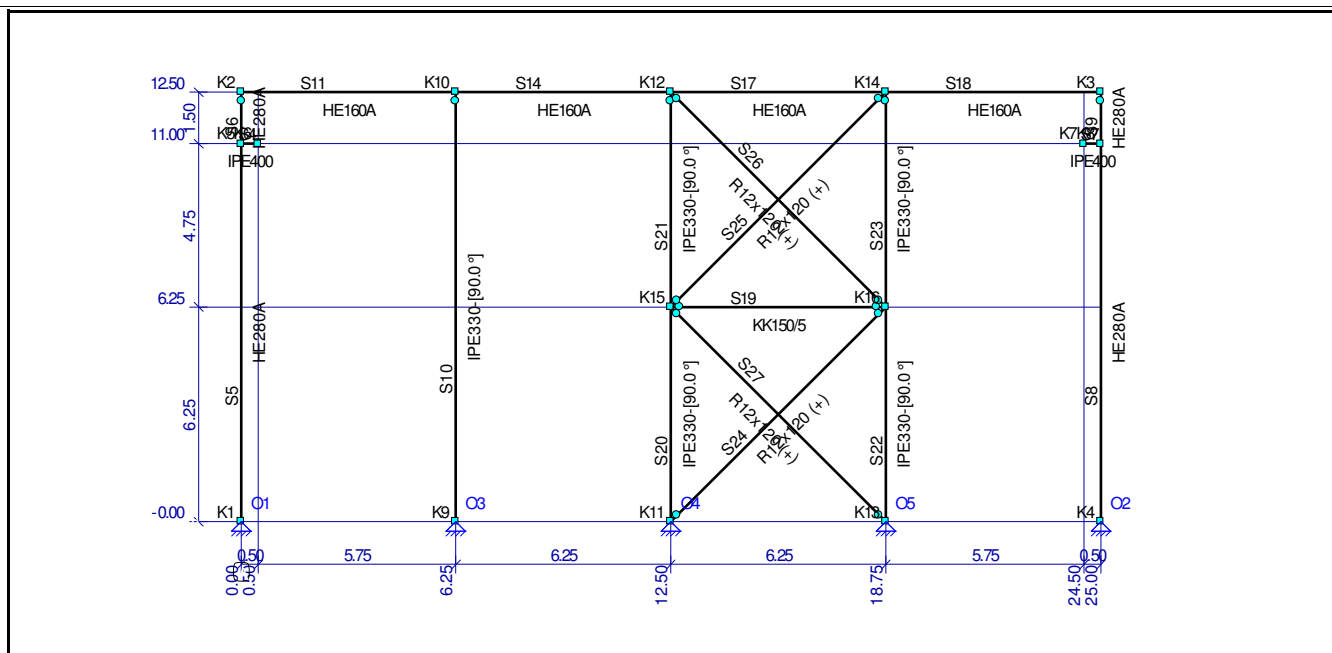
Veld	Toetsing	Combinatie	Artikel	UC max
C51-V1 (0.000-6.250)	Doorsnede	Fu.C.1	Controle 2b: Gereduceerd opp. benodigd/aanw	0,03
C51-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,03
C51-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,06
C51-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,22
C51-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C52-V1 (0.000-6.250)	Doorsnede	Fu.C.3	Controle 1a: Controle op zuivere normaalkracht	0,01
C52-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,00
C52-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,00
C52-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,14
C52-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C53-V1 (0.000-6.250)	Doorsnede	Fu.C.2	Controle 2b: Gereduceerd opp. benodigd/aanw	0,01
C53-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,01
C53-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,01
C53-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,16
C53-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C54-V1 (0.000-6.250)	Doorsnede	Fu.C.2	Controle 2b: Gereduceerd opp. benodigd/aanw	0,01
C54-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,01
C54-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,01
C54-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,17
C54-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C55-V1 (0.000-6.250)	Doorsnede	Fu.C.1	Controle 1a: Controle op zuivere normaalkracht	0,02
C55-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,02
C55-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,04
C55-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,20
C55-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C56-V1 (0.000-6.250)	Doorsnede	Fu.C.1	Controle 1b: Buiging om de zwakke as	0,00
C56-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C57-V1 (0.000-6.250)	Doorsnede	Fu.C.1	Controle 1b: Buiging om de zwakke as	0,00
C57-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C58-V1 (0.000-6.250)	Doorsnede	Fu.C.1	Controle 2b: Gereduceerd opp. benodigd/aanw	0,02
C58-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,02
C58-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,04
C58-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,20
C58-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C59-V1 (0.000-6.250)	Doorsnede	Fu.C.1	Controle 2b: Gereduceerd opp. benodigd/aanw	0,02
C59-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,02
C59-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,04
C59-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,20
C59-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C60-V1 (0.000-6.250)	Doorsnede	Fu.C.1	Controle 1b: Buiging om de zwakke as	0,00
C60-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C61-V1 (0.000-6.250)	Doorsnede	Fu.C.3	Controle 2b: Gereduceerd opp. benodigd/aanw	0,02
C61-V1 (0.000-6.250)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,00
C61-V1 (0.000-6.250)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,00
C61-V1 (0.000-6.250)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,02
C61-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C62-V1 (0.000-6.250)	Doorsnede	Fu.C.3	Controle 2b: Gereduceerd opp. benodigd/aanw	0,02
C62-V1 (0.000-6.250)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,00
C62-V1 (0.000-6.250)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,00
C62-V1 (0.000-6.250)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,02
C62-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C63-V1 (0.000-6.250)	Doorsnede	Fu.C.1	Controle 2b: Gereduceerd opp. benodigd/aanw	0,02
C63-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,02
C63-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,04
C63-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,21
C63-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C64-V1 (0.000-6.250)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.9)	0,21

Wopereis Staalbouw		Pos 1-6 - Wind verdeling
---------------------------	--	---------------------------------

Veld	Toetsing	Combinatie	Artikel	UC max
C64-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,42
C64-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,69
C64-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,81
C64-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C65-V1 (0.000-6.250)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.9)	0,21
C65-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,42
C65-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,69
C65-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,81
C65-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C66-V1 (0.000-6.250)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.9)	0,21
C66-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,42
C66-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,69
C66-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,84
C66-V1 (0.000-6.250)	Kiptoetsing	Fu.C.3	NEN-EN1993-1-1(6.54)	0,00
C67-V1 (0.000-6.250)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.9)	0,21
C67-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,42
C67-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,69
C67-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,84
C67-V1 (0.000-6.250)	Kiptoetsing	Fu.C.2	NEN-EN1993-1-1(6.54)	0,00
C68-V1 (0.000-7.049)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.5)	0,16
C69-V1 (0.000-8.392)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.5)	0,38
C70-V1 (0.000-8.392)	Doorsnede	Fu.C.3	NEN-EN1993-1-1(6.5)	0,21
C71-V1 (0.000-8.392)	Doorsnede	Fu.C.3	NEN-EN1993-1-1(6.5)	0,18
C72-V1 (0.000-8.392)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.5)	0,07
C73-V1 (0.000-8.392)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.5)	0,40
C74-V1 (0.000-8.392)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.5)	0,36
C75-V1 (0.000-8.392)	Doorsnede	Fu.C.3	NEN-EN1993-1-1(6.5)	0,09
C76-V1 (0.000-8.392)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.5)	0,44
C77-V1 (0.000-8.392)	Doorsnede	Fu.C.3	NEN-EN1993-1-1(6.5)	0,07
C78-V1 (0.000-8.392)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.5)	0,41
C79-V1 (0.000-8.392)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.5)	0,11
C80-V1 (0.000-7.049)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.5)	0,32
C81-V1 (0.000-8.392)	Doorsnede	Fu.C.3	NEN-EN1993-1-1(6.5)	0,21
C82-V1 (0.000-8.392)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.5)	0,38
C83-V1 (0.000-8.392)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.5)	0,40

Wopereis Staalbouw		Pos 7 - Eindspant	
Projectnaam		Projectnummer	
Omschrijving		Constructeur	
Opdrachtgever		Eenheden	m, kN, kNm
Bestand	K:\Engineering Staalbouw\SJOERDKR\Berekeningen\A-1000 - Baltes - Steenderen - Nijverheidsweg 9\STATISCH\20170425 - Hal\20170426 - Pos 7 - Eindspant.mxf		

AFB. GEOMETRIE RAAMWERK



STAVEN

Staat	Knoop	B	Scharnier	E	Knoop	Profiel	X-B	Z-B	X-E	Z-E	Lengte
S4	K5	NVM	NVM	K6	P2	0,000	-11,000	0,500	-11,000	0,500	
S5	K1	NVM	NVM	K5	P1	0,000	0,000	0,000	-11,000	11,000	
S6	K5	NVM	NV-	K2	P1	0,000	-11,000	0,000	-12,500	1,500	
S7	K7	NVM	NVM	K8	P2	24,500	-11,000	25,000	-11,000	0,500	
S8	K4	NVM	NVM	K8	P1	25,000	0,000	25,000	-11,000	11,000	
S9	K8	NVM	NV-	K3	P1	25,000	-11,000	25,000	-12,500	1,500	
S10	K9	NVM	NV-	K10	P4	6,250	0,000	6,250	-12,500	12,500	
S11	K2	NVM	NVM	K10	P3	0,000	-12,500	6,250	-12,500	6,250	
S14	K10	NVM	NVM	K12	P3	6,250	-12,500	12,500	-12,500	6,250	
S17	K12	NVM	NVM	K14	P3	12,500	-12,500	18,750	-12,500	6,250	
S18	K14	NVM	NVM	K3	P3	18,750	-12,500	25,000	-12,500	6,250	
S19	K15	NV-	NV-	K16	P5	12,500	-6,250	18,750	-6,250	6,250	
S20	K11	NVM	NVM	K15	P4	12,500	0,000	12,500	-6,250	6,250	
S21	K15	NVM	NV-	K12	P4	12,500	-6,250	12,500	-12,500	6,250	
S22	K13	NVM	NVM	K16	P4	18,750	0,000	18,750	-6,250	6,250	
S23	K16	NVM	NV-	K14	P4	18,750	-6,250	18,750	-12,500	6,250	
S24	K11	NV-	NV-	K16	P6	12,500	0,000	18,750	-6,250	8,839	
S25	K15	NV-	NV-	K14	P6	12,500	-6,250	18,750	-12,500	8,839	
S26	K12	NV-	NV-	K16	P6	12,500	-12,500	18,750	-6,250	8,839	
S27	K15	NV-	NV-	K13	P6	12,500	-6,250	18,750	0,000	8,839	
-	-	-	-	-	-	m	m	m	m	m	

PROFIELEN

Profiel	Profielnaam	Oppervlakte	Iy Materiaal	Hoek
P1	HE280A	9.7264e-03	1.3673e-04 S235	0,0
P2	IPE400	8.4464e-03	2.3128e-04 S235	0,0
P3	HE160A	3.8771e-03	1.6730e-05 S235	0,0
P4	IPE330	6.2606e-03	7.8814e-06 S235	90,0
P5	KK150/5	2.8356e-03	9.8212e-06 S235H(EN10219-1)	0,0
P6	R12x120	1.4400e-03	1.7280e-06 S235	0,0
-	-	m2	m4	°

PROFIELVORMEN

Profiel	Verl. h.	hB	hE	tf	tw	tf2	B	bL	bR Raatl.	Hoogte
P6	Nee	0.120	0.120	0.000	0.000	0.000	0.012	0.000	0.000 Nee	0.000
-	-	m	m	m	m	m	m	m	m -	m

Wopereis Staalbouw		Pos 7 - Eindspant
---------------------------	--	--------------------------

MATERIALEN

Materiaal	Dichtheid	E-Modulus	Uitzettingcoeff
S235	78.50	2.1000e+08	12.0000e-06
S235H(EN10219-1)	78.50	2.1000e+08	12.0000e-06
-	kN/m3	kN/m2	C°m

PROFIELEN (GEAVANCEERD)

Profiel	Ivv	Avz	Trek	Druk	Kabelement	Voorspanning
P6	1.7280e-08	1.2000e-03	Ja	Nee	Nee	0.00
-	m4	m2	-	-	-	kN

OPLEGGINGEN

Oplegging	Knoop	X	Z	Yr	HoekYr
O1	K1	vast	vast	vrij	0
O2	K4	vast	vast	vrij	0
O3	K9	vast	vast	vrij	0
O4	K11	vast	vast	vrij	0
O5	K13	vast	vast	vrij	0
-	-	kN/m	kN/m	kNm/rad	°

GEWICHTSBEREKENING

Index	Staven	Berekening	Waarde	Eenheden
Gemeenschappelijk				
Lsys1	Belastingen en vervormingen	NEN-EN1991		
Height1	Systeemmaat	2.8	2,80	[m]
Width1	Totale hoogte van constructie	12.50	12,50	[m]
Width2	Totale diepte van constructie	25.00	25,00	[m]
	Totale breedte van constructie	33.96	33,96	[m]
LR1 (Permanente Belasting)				
	Permanente Belasting	NEN-EN1991-1-1:2011/NB:2011		
Pp1	Plat Dak (S2)			
q1	Houten dak + balken	0.4	0,40	[kN/m²]
	Permanente Belasting	Pp1*Lsys1	1,12	[kN/m]
LR2 (Opgelegde belastingen)				
	Opgelegde belastingen	NEN-EN1991-1-1:2011/NB:2011		
qk1	S2			
q2	Opgelegde belastingen (qk)	NEN-EN1991-1-1#6.3(Cat=H)	1,00	[kN/m²]
	Opgelegde belastingen (q) (Lsys=5.66)	qk1 * Min(5.0, Lsys1)	2,80	[kN/m]
LR3 (Windbelasting Algemeen)				
	Windbelasting Algemeen	NEN-EN1991-1-4:2011/NB:2011		
Width3	Gemiddelde breedte (b)	37.00	37,00	[m]
Height2	Totale hoogte (incl. gedeelte boven de grond) (h)	12.50	12,50	[m]
Width4	Constructie diepte (d)	25.00	25,00	[m]
Region1	Regio	3	3,00	
Cat1	Terrein	Onbebouwd	2,00	
Co1	Orthografie factor (C0)	1.00	1,00	
CsCd1	Constructie factor (CsCd)	NEN-EN1991-1-4#6(b=Width3,h=Height2,Terrein=Cat1,Regio=Region1,C0=Co1)	0,85	
Cfr1	Wrijvingscoëfficiënt (Cfr)	EN1991-1-4#7.5(Oppervlak=Glad)	0,01	
LR4 (Windbelasting van Links + Overdruk)				
	Windbelasting van Links + Overdruk	NEN-EN1991-1-4:2011/NB:2011		
A1	Belast oppervlak (A)	462.50	462,50	[m²]
Cpe1	Uitwendige druk; Druk coëfficiënt (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D,hd=0.50)	0,80	
Cpi1	Interne druk; Druk coëfficiënt (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe1,Openingen=0.00,Over=True)	0,20	
Z1	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8	12.50	12,50	[m]
Qp1	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z1,Terrein=Cat1,Regio=Region1,C0=Co1)	0,76	[kN/m²]
q3	Wrijving; Verdeelde element belasting (q)	(Cfr1*Qp1) * Lsys1	0,02	[kN/m]
q4	Interne druk; Verdeelde element belasting (q)	(Cpi1*Qp1) * Lsys1	0,42	[kN/m]
Cpe2	Plat dak S2; Druk coëfficiënt (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=G)	-1,20	
q5	Plat dak S2; Verdeelde element belasting (q)	(Qp1*Cpe2*CsCd1) * Lsys1	-2,16	[kN/m]
Cpe3	Plat dak S2; Druk coëfficiënt (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=H)	-0,70	
q6	Plat dak S2; Verdeelde element belasting (q)	(Qp1*Cpe3*CsCd1) * Lsys1	-1,26	[kN/m]
Cpe4	Plat dak S2; Druk coëfficiënt (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=I)	0,20	
q7	Plat dak S2; Verdeelde element belasting (q)	(Qp1*Cpe4*CsCd1) * Lsys1	0,36	[kN/m]
Cpe5	Vertikale wand S5; Druk coëfficiënt (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D,hd=0.50)	0,80	
q8	Vertikale wand S5; Verdeelde element belasting (q)	(Qp1*Cpe5*CsCd1) * Lsys1	1,44	[kN/m]

Wopereis Staalbouw		Pos 7 - Eindspant
---------------------------	--	--------------------------

Index	Staven	Berekening	Waarde Eenheden
LR4 (Windbelasting van Links + Overdruk)			
Cpe6	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.50)	-0,50
C1	Vertikale wand S5; Druk coefficient (Cpe) incl. correlatiefactor	(Cpe5-Cpe6) * 0.85	1,11
q9	Vertikale wand S5; Verdeelde element belasting (q)	(Qp1*(Cpe6+C1)*CsCd1) * Lsys1	1,09 [kN/m]
q10	Vertikale wand S8; Verdeelde element belasting (q)	(Qp1*Cpe6*CsCd1) * Lsys1	-0,90 [kN/m]
q11	Vertikale wand S8; Verdeelde element belasting (q)	(Qp1*(Cpe5-C1)*CsCd1) * Lsys1	-0,55 [kN/m]
LR5 (Windbelasting van Links + Overdruk (2e Cpe))			
A2	Windbelasting van Links + Overdruk (2e Cpe)	NEN-EN1991-1-4:2011/NB:2011	
	Belast oppervlak (A)	462.50	462,50 [m²]
Cpe7	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D,hd=0.50)	0,80
Cpi2	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe7,Openingen=0.00,Over=True)	0,20
Z2	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8	12.50	12,50 [m]
Qp2	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z2,Terrein=Cat1,Regio=Region1,C0=Co1)	0,76 [kN/m²]
q12	Wrijving; Verdeelde element belasting (q)	(Cfr1*Qp2) * Lsys1	0,02 [kN/m]
q13	Interne druk; Verdeelde element belasting (q)	(Cpi2*Qp2) * Lsys1	0,42 [kN/m]
Cpe8	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=G,Eerst=False)	-1,20
q14	Plat dak S2; Verdeelde element belasting (q)	(Qp2*Cpe8*CsCd1) * Lsys1	-2,16 [kN/m]
Cpe9	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=H,Eerst=False)	-0,70
q15	Plat dak S2; Verdeelde element belasting (q)	(Qp2*Cpe9*CsCd1) * Lsys1	-1,26 [kN/m]
Cpe10	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=I,Eerst=False)	-0,20
q16	Plat dak S2; Verdeelde element belasting (q)	(Qp2*Cpe10*CsCd1) * Lsys1	-0,36 [kN/m]
Cpe11	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D,hd=0.50,Eerst=False)	0,80
q17	Vertikale wand S5; Verdeelde element belasting (q)	(Qp2*Cpe11*CsCd1) * Lsys1	1,44 [kN/m]
Cpe12	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.50,Eerst=False)	-0,50
C2	Vertikale wand S5; Druk coefficient (Cpe) incl. correlatiefactor	(Cpe11-Cpe12) * 0.85	1,11
q18	Vertikale wand S5; Verdeelde element belasting (q)	(Qp2*(Cpe12+C2)*CsCd1) * Lsys1	1,09 [kN/m]
q19	Vertikale wand S8; Verdeelde element belasting (q)	(Qp2*Cpe12*CsCd1) * Lsys1	-0,90 [kN/m]
q20	Vertikale wand S8; Verdeelde element belasting (q)	(Qp2*(Cpe11-C2)*CsCd1) * Lsys1	-0,55 [kN/m]
LR6 (Windbelasting van Links + Onderdruk)			
A3	Windbelasting van Links + Onderdruk	NEN-EN1991-1-4:2011/NB:2011	
	Belast oppervlak (A)	462.50	462,50 [m²]
Cpe13	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.50)	-0,50
Cpi3	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe13,Openingen=0.00,Over=False)	-0,30
Z3	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8	12.50	12,50 [m]
Qp3	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z3,Terrein=Cat1,Regio=Region1,C0=Co1)	0,76 [kN/m²]
q21	Wrijving; Verdeelde element belasting (q)	(Cfr1*Qp3) * Lsys1	0,02 [kN/m]
q22	Interne druk; Verdeelde element belasting (q)	(Cpi3*Qp3) * Lsys1	-0,64 [kN/m]
Cpe14	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=G)	-1,20
q23	Plat dak S2; Verdeelde element belasting (q)	(Qp3*Cpe14*CsCd1) * Lsys1	-2,16 [kN/m]
Cpe15	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=H)	-0,70
q24	Plat dak S2; Verdeelde element belasting (q)	(Qp3*Cpe15*CsCd1) * Lsys1	-1,26 [kN/m]
Cpe16	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=I)	0,20
q25	Plat dak S2; Verdeelde element belasting (q)	(Qp3*Cpe16*CsCd1) * Lsys1	0,36 [kN/m]
Cpe17	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D,hd=0.50)	0,80
q26	Vertikale wand S5; Verdeelde element belasting (q)	(Qp3*Cpe17*CsCd1) * Lsys1	1,44 [kN/m]
Cpe18	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.50)	-0,50
C3	Vertikale wand S5; Druk coefficient (Cpe) incl. correlatiefactor	(Cpe17-Cpe18) * 0.85	1,11
q27	Vertikale wand S5; Verdeelde element belasting (q)	(Qp3*(Cpe18+C3)*CsCd1) * Lsys1	1,09 [kN/m]
q28	Vertikale wand S8; Verdeelde element belasting (q)	(Qp3*Cpe18*CsCd1) * Lsys1	-0,90 [kN/m]
q29	Vertikale wand S8; Verdeelde element belasting (q)	(Qp3*(Cpe17-C3)*CsCd1) * Lsys1	-0,55 [kN/m]
LR7 (Windbelasting van Links + Onderdruk (2e Cpe))			
A4	Windbelasting van Links + Onderdruk (2e Cpe)	NEN-EN1991-1-4:2011/NB:2011	
	Belast oppervlak (A)	462.50	462,50 [m²]
Cpe19	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.50)	-0,50
Cpi4	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe19,Openingen=0.00,Over=False)	-0,30
Z4	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8	12.50	12,50 [m]
Qp4	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z4,Terrein=Cat1,Regio=Region1,C0=Co1)	0,76 [kN/m²]

Wopereis Staalbouw		Pos 7 - Eindspant
---------------------------	--	--------------------------

Index	Staven	Berekening	Waarde Eenheden
LR7 (Windbelasting van Links + Onderdruk (2e Cpe))			
q30	Wrijving; Verdeelde element belasting (q)	(Cfr1*Qp4) * Lsys1	0,02 [kN/m]
q31	Interne druk; Verdeelde element belasting (q)	(Cpi4*Qp4) * Lsys1	-0,64 [kN/m]
Cpe20	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=G,E erst=False)	-1,20
q32	Plat dak S2; Verdeelde element belasting (q)	(Qp4*Cpe20*CsCd1) * Lsys1	-2,16 [kN/m]
Cpe21	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=H,E erst=False)	-0,70
q33	Plat dak S2; Verdeelde element belasting (q)	(Qp4*Cpe21*CsCd1) * Lsys1	-1,26 [kN/m]
Cpe22	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=I,E rst=False)	-0,20
q34	Plat dak S2; Verdeelde element belasting (q)	(Qp4*Cpe22*CsCd1) * Lsys1	-0,36 [kN/m]
Cpe23	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D, hd=0.50,Eerst=False)	0,80
q35	Vertikale wand S5; Verdeelde element belasting (q)	(Qp4*Cpe23*CsCd1) * Lsys1	1,44 [kN/m]
Cpe24	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E, hd=0.50,Eerst=False)	-0,50
C4	Vertikale wand S5; Druk coefficient (Cpe) incl. correlatiefactor	(Cpe23-Cpe24) * 0.85	1,11
q36	Vertikale wand S5; Verdeelde element belasting (q)	(Qp4*(Cpe24+C4)*CsCd1) * Lsys1	1,09 [kN/m]
q37	Vertikale wand S8; Verdeelde element belasting (q)	(Qp4*Cpe24*CsCd1) * Lsys1	-0,90 [kN/m]
q38	Vertikale wand S8; Verdeelde element belasting (q)	(Qp4*(Cpe23-C4)*CsCd1) * Lsys1	-0,55 [kN/m]
LR8 (Windbelasting van Rechts + Overdruk)			
	Windbelasting van Rechts + Overdruk	NEN-EN1991-1-4:2011/NB:2011	
A5	Belast oppervlak (A)	462.50	462,50 [m²]
Cpe25	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D, hd=0.50)	0,80
Cpi5	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe25,Openingen =0.00,Over=True)	0,20
Z5	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8	12.50	12,50 [m]
Qp5	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z5,Terrein=Cat1,Re gio=Region1,C0=Co1)	0,76 [kN/m²]
q39	Wrijving; Verdeelde element belasting (q)	(Cfr1*Qp5) * Lsys1	0,02 [kN/m]
q40	Interne druk; Verdeelde element belasting (q)	(Cpi5*Qp5) * Lsys1	0,42 [kN/m]
Cpe26	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=I)	0,20
q41	Plat dak S2; Verdeelde element belasting (q)	(Qp5*Cpe26*CsCd1) * Lsys1	0,36 [kN/m]
Cpe27	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=H)	-0,70
q42	Plat dak S2; Verdeelde element belasting (q)	(Qp5*Cpe27*CsCd1) * Lsys1	-1,26 [kN/m]
Cpe28	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=G)	-1,20
q43	Plat dak S2; Verdeelde element belasting (q)	(Qp5*Cpe28*CsCd1) * Lsys1	-2,16 [kN/m]
Cpe29	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E, hd=0.50)	-0,50
q44	Vertikale wand S5; Verdeelde element belasting (q)	(Qp5*Cpe29*CsCd1) * Lsys1	-0,90 [kN/m]
Cpe30	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D, hd=0.50)	0,80
C5	Vertikale wand S5; Druk coefficient (Cpe) incl. correlatiefactor	(Cpe30-Cpe29) * 0.85	1,11
q45	Vertikale wand S5; Verdeelde element belasting (q)	(Qp5*(Cpe30-C5)*CsCd1) * Lsys1	-0,55 [kN/m]
q46	Vertikale wand S5; Verdeelde element belasting (q)	(Qp5*(Cpe29+C5)*CsCd1) * Lsys1	1,09 [kN/m]
q47	Vertikale wand S8; Verdeelde element belasting (q)	(Qp5*Cpe30*CsCd1) * Lsys1	1,44 [kN/m]
LR9 (Windbelasting van Rechts + Overdruk (2e Cpe))			
	Windbelasting van Rechts + Overdruk (2e Cpe)	NEN-EN1991-1-4:2011/NB:2011	
A6	Belast oppervlak (A)	462.50	462,50 [m²]
Cpe31	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D, hd=0.50)	0,80
Cpi6	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe31,Openingen =0.00,Over=True)	0,20
Z6	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8	12.50	12,50 [m]
Qp6	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z6,Terrein=Cat1,Re gio=Region1,C0=Co1)	0,76 [kN/m²]
q48	Wrijving; Verdeelde element belasting (q)	(Cfr1*Qp6) * Lsys1	0,02 [kN/m]
q49	Interne druk; Verdeelde element belasting (q)	(Cpi6*Qp6) * Lsys1	0,42 [kN/m]
Cpe32	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=I,E rst=False)	-0,20
q50	Plat dak S2; Verdeelde element belasting (q)	(Qp6*Cpe32*CsCd1) * Lsys1	-0,36 [kN/m]
Cpe33	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=H,E erst=False)	-0,70
q51	Plat dak S2; Verdeelde element belasting (q)	(Qp6*Cpe33*CsCd1) * Lsys1	-1,26 [kN/m]
Cpe34	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=G,E erst=False)	-1,20
q52	Plat dak S2; Verdeelde element belasting (q)	(Qp6*Cpe34*CsCd1) * Lsys1	-2,16 [kN/m]
Cpe35	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E, hd=0.50,Eerst=False)	-0,50
q53	Vertikale wand S5; Verdeelde element belasting (q)	(Qp6*Cpe35*CsCd1) * Lsys1	-0,90 [kN/m]
Cpe36	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D, hd=0.50,Eerst=False)	0,80

Wopereis Staalbouw		Pos 7 - Eindspant
---------------------------	--	--------------------------

Index	Staven	Berekening	Waarde Eenheden
LR9 (Windbelasting van Rechts + Overdruk (2e Cpe))			
C6	Vertikale wand S5; Druk coefficient (Cpe) incl. correlatiefactor	$(Cpe36-Cpe35) * 0.85$	1,11
q54	Vertikale wand S5; Verdeelde element belasting (q)	$(Qp6*(Cpe36-C6)*CsCd1) * Lsys1$	-0,55 [kN/m]
q55	Vertikale wand S5; Verdeelde element belasting (q)	$(Qp6*(Cpe35+C6)*CsCd1) * Lsys1$	1,09 [kN/m]
q56	Vertikale wand S8; Verdeelde element belasting (q)	$(Qp6*Cpe36*CsCd1) * Lsys1$	1,44 [kN/m]
LR10 (Windbelasting van Rechts + Onderdruk)			
	Windbelasting van Rechts + Onderdruk	NEN-EN1991-1-4:2011/NB:2011	
A7	Belast oppervlak (A)	462.50	462,50 [m²]
Cpe37	Uitwendige druk; Druk coefficient (Cpe)	$NEN-EN1991-1-4\#7.2(Dak=Wand,Zone=E,hd=0.50)$	-0,50
Cpi7	Interne druk; Druk coefficient (Cpi)	$EN1991-1-4\#7.2.9(Cpe=Cpe37,Openingen=0.00,Over=False)$	-0,30
Z7	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8	12.50	12,50 [m]
Qp7	Pieksnelheids druk (Qp voor referentieperiode 50)	$NEN-EN1991-1-4\#4(Z=Z7,Terrein=Cat1,Regio=Region1,C0=Co1)$	0,76 [kN/m²]
q57	Wrijving; Verdeelde element belasting (q)	$(Cfr1*Qp7) * Lsys1$	0,02 [kN/m]
q58	Interne druk; Verdeelde element belasting (q)	$(Cpi7*Qp7) * Lsys1$	-0,64 [kN/m]
Cpe38	Plat dak S2; Druk coefficient (Cpe)	$NEN-EN1991-1-4\#7.2(Dak=Plat,Zone=I)$	0,20
q59	Plat dak S2; Verdeelde element belasting (q)	$(Qp7*Cpe38*CsCd1) * Lsys1$	0,36 [kN/m]
Cpe39	Plat dak S2; Druk coefficient (Cpe)	$NEN-EN1991-1-4\#7.2(Dak=Plat,Zone=H)$	-0,70
q60	Plat dak S2; Verdeelde element belasting (q)	$(Qp7*Cpe39*CsCd1) * Lsys1$	-1,26 [kN/m]
Cpe40	Plat dak S2; Druk coefficient (Cpe)	$NEN-EN1991-1-4\#7.2(Dak=Plat,Zone=G)$	-1,20
q61	Plat dak S2; Verdeelde element belasting (q)	$(Qp7*Cpe40*CsCd1) * Lsys1$	-2,16 [kN/m]
Cpe41	Vertikale wand S5; Druk coefficient (Cpe)	$NEN-EN1991-1-4\#7.2(Dak=Wand,Zone=E,hd=0.50)$	-0,50
q62	Vertikale wand S5; Verdeelde element belasting (q)	$(Qp7*Cpe41*CsCd1) * Lsys1$	-0,90 [kN/m]
Cpe42	Vertikale wand S5; Druk coefficient (Cpe)	$NEN-EN1991-1-4\#7.2(Dak=Wand,Zone=D,hd=0.50)$	0,80
C7	Vertikale wand S5; Druk coefficient (Cpe) incl. correlatiefactor	$(Cpe42-Cpe41) * 0.85$	1,11
q63	Vertikale wand S5; Verdeelde element belasting (q)	$(Qp7*(Cpe42-C7)*CsCd1) * Lsys1$	-0,55 [kN/m]
q64	Vertikale wand S5; Verdeelde element belasting (q)	$(Qp7*(Cpe41+C7)*CsCd1) * Lsys1$	1,09 [kN/m]
q65	Vertikale wand S8; Verdeelde element belasting (q)	$(Qp7*Cpe42*CsCd1) * Lsys1$	1,44 [kN/m]
LR11 (Windbelasting van Rechts + Onderdruk (2e Cpe))			
	Windbelasting van Rechts + Onderdruk (2e Cpe)	NEN-EN1991-1-4:2011/NB:2011	
A8	Belast oppervlak (A)	462.50	462,50 [m²]
Cpe43	Uitwendige druk; Druk coefficient (Cpe)	$NEN-EN1991-1-4\#7.2(Dak=Wand,Zone=E,hd=0.50)$	-0,50
Cpi8	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	12.50	12,50 [m]
Qp8	Pieksnelheids druk (Qp voor referentieperiode 50)	$NEN-EN1991-1-4\#4(Z=Z8,Terrein=Cat1,Regio=Region1,C0=Co1)$	0,76 [kN/m²]
q66	Wrijving; Verdeelde element belasting (q)	$(Cfr1*Qp8) * Lsys1$	0,02 [kN/m]
q67	Interne druk; Verdeelde element belasting (q)	$(Cpi8*Qp8) * Lsys1$	-0,64 [kN/m]
Cpe44	Plat dak S2; Druk coefficient (Cpe)	$NEN-EN1991-1-4\#7.2(Dak=Plat,Zone=I,Eerst=False)$	-0,20
q68	Plat dak S2; Verdeelde element belasting (q)	$(Qp8*Cpe44*CsCd1) * Lsys1$	-0,36 [kN/m]
Cpe45	Plat dak S2; Druk coefficient (Cpe)	$NEN-EN1991-1-4\#7.2(Dak=Plat,Zone=H,Eerst=False)$	-0,70
q69	Plat dak S2; Verdeelde element belasting (q)	$(Qp8*Cpe45*CsCd1) * Lsys1$	-1,26 [kN/m]
Cpe46	Plat dak S2; Druk coefficient (Cpe)	$NEN-EN1991-1-4\#7.2(Dak=Plat,Zone=G,Eerst=False)$	-1,20
q70	Plat dak S2; Verdeelde element belasting (q)	$(Qp8*Cpe46*CsCd1) * Lsys1$	-2,16 [kN/m]
Cpe47	Vertikale wand S5; Druk coefficient (Cpe)	$NEN-EN1991-1-4\#7.2(Dak=Wand,Zone=E,hd=0.50,Eerst=False)$	-0,50
q71	Vertikale wand S5; Verdeelde element belasting (q)	$(Qp8*Cpe47*CsCd1) * Lsys1$	-0,90 [kN/m]
Cpe48	Vertikale wand S5; Druk coefficient (Cpe)	$NEN-EN1991-1-4\#7.2(Dak=Wand,Zone=D,hd=0.50,Eerst=False)$	0,80
C8	Vertikale wand S5; Druk coefficient (Cpe) incl. correlatiefactor	$(Cpe48-Cpe47) * 0.85$	1,11
q72	Vertikale wand S5; Verdeelde element belasting (q)	$(Qp8*(Cpe48-C8)*CsCd1) * Lsys1$	-0,55 [kN/m]
q73	Vertikale wand S5; Verdeelde element belasting (q)	$(Qp8*(Cpe47+C8)*CsCd1) * Lsys1$	1,09 [kN/m]
q74	Vertikale wand S8; Verdeelde element belasting (q)	$(Qp8*Cpe48*CsCd1) * Lsys1$	1,44 [kN/m]
LR12 (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
Mu1	Plat dak, Mu1 Hoek: 0.00; S2 Mu1; Sneeuwbelasting coefficient (Mu)	$EN1991-1-3\#5.3(Dak=Plat,Mu=Mu1,Sk=Sk1)$	0,80
q75	Verdeelde element belasting (q)	$(Sk1*Ce1*Ct1*Mu1) * Lsys1$	1,57 [kN/m]

Wopereis Staalbouw		Pos 7 - Eindspant
---------------------------	--	--------------------------

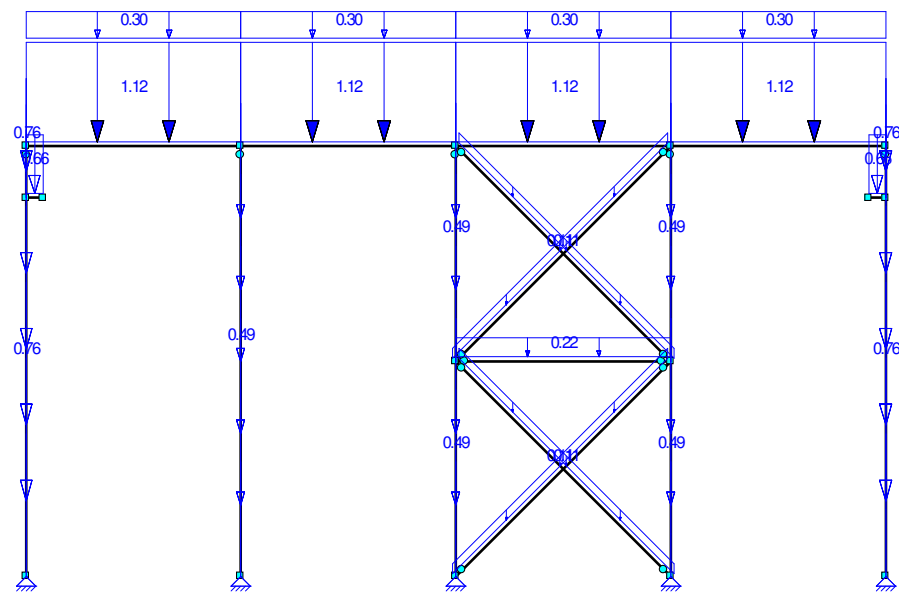
BELASTINGSGEVALLEN TYPEN

Oplegg.	Staven	B.G.Type	Gunstig/Ong.	Element	Niveau	Veld	Psi0	Psi1	Psi2	Cprob
B.G.1	Permanente Belasting	Permanent	-		N.v.t.	N.v.t.				
B.G.2	Opgelegde belastingen. Vloer 2, Veld 1	Verdeelde veranderlijke belasting		Cat. H) Ontoegankelijke daken	2	1				1,00
B.G.3	Windbelasting van Links + Overdruk	Windbelasting	+		N.v.t.	N.v.t.		0.20		1,00
B.G.4	Windbelasting van Links + Overdruk (2e Cpe)	Windbelasting	+		N.v.t.	N.v.t.		0.20		1,00
B.G.5	Windbelasting van Links + Overdruk (2e corr. factor)	Windbelasting	+		N.v.t.	N.v.t.		0.20		1,00
B.G.6	Windbelasting van Links + Overdruk (2e Cpe) (2e corr. factor)	Windbelasting	+		N.v.t.	N.v.t.		0.20		1,00
B.G.7	Windbelasting van Links + Overdruk	Windbelasting	-		N.v.t.	N.v.t.		0.20		1,00
B.G.8	Windbelasting van Links + Overdruk (2e Cpe)	Windbelasting	-		N.v.t.	N.v.t.		0.20		1,00
B.G.9	Windbelasting van Links + Overdruk (2e corr. factor)	Windbelasting	-		N.v.t.	N.v.t.		0.20		1,00
B.G.10	Windbelasting van Links + Overdruk (2e Cpe) (2e corr. factor)	Windbelasting	-		N.v.t.	N.v.t.		0.20		1,00
B.G.11	Windbelasting van Rechts + Overdruk	Windbelasting	+		N.v.t.	N.v.t.		0.20		1,00
B.G.12	Windbelasting van Rechts + Overdruk (2e Cpe)	Windbelasting	+		N.v.t.	N.v.t.		0.20		1,00
B.G.13	Windbelasting van Rechts + Overdruk (2e corr. factor)	Windbelasting	+		N.v.t.	N.v.t.		0.20		1,00
B.G.14	Windbelasting van Rechts + Overdruk (2e Cpe) (2e corr. factor)	Windbelasting	+		N.v.t.	N.v.t.		0.20		1,00
B.G.15	Windbelasting van Rechts + Overdruk	Windbelasting	-		N.v.t.	N.v.t.		0.20		1,00
B.G.16	Windbelasting van Rechts + Overdruk (2e Cpe)	Windbelasting	-		N.v.t.	N.v.t.		0.20		1,00
B.G.17	Windbelasting van Rechts + Overdruk (2e corr. factor)	Windbelasting	-		N.v.t.	N.v.t.		0.20		1,00
B.G.18	Windbelasting van Rechts + Overdruk (2e Cpe) (2e corr. factor)	Windbelasting	-		N.v.t.	N.v.t.		0.20		1,00
B.G.19	Sneeuwbelasting 1	Sneeuwbelasting	-		N.v.t.	N.v.t.		0.20		1,00
B.G.20	Kniklengte	Kniklengte			N.v.t.	N.v.t.				
B.G.21	Mobiele lasten Vert.	Mobiele lasten			N.v.t.	N.v.t.		1.00		1,00
B.G.22	Mobiele lasten hor	Mobiele lasten			N.v.t.	N.v.t.		1.00		1,00
B.G.23	Mobiele lasten hor	Mobiele lasten			N.v.t.	N.v.t.		1.00		1,00

B.G.1: PERMANENTE BELASTING

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.1: Permanente Belasting					
qG	0,66 (1.00x)	0,66 (1.00x)	0,000	0,500(L)	Z" S4,S7
qG	0,76 (1.00x)	0,76 (1.00x)	0,000	11,000(L)	Z" S5,S8
qG	0,76 (1.00x)	0,76 (1.00x)	0,000	1,500(L)	Z" S6,S9
qG	0,30 (1.00x)	0,30 (1.00x)	0,000	6,250(L)	Z" S11,S14,S17-S18
q	1,12 (q1)	1,12 (q1)	0,000	6,250(L)	Z" S11,S14,S17-S18
qG	0,49 (1.00x)	0,49 (1.00x)	0,000	12,500(L)	Z" S10
qG	0,22 (1.00x)	0,22 (1.00x)	0,000	6,250(L)	Z" S19
qG	0,49 (1.00x)	0,49 (1.00x)	0,000	6,250(L)	Z" S20-S23
qG	0,11 (1.00x)	0,11 (1.00x)	0,000	8,839(L)	Z" S24-S27
-	-	-	m	m	- -

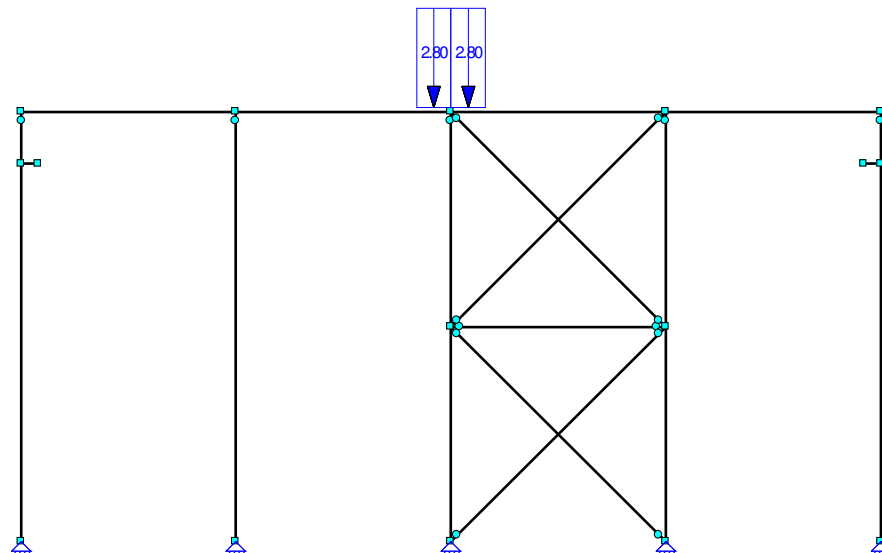
B.G.1: PERMANENTE BELASTING



B.G.2: OPGELEGDE BELASTINGEN. VLOER 2, VELD 1

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.2: Opgelegde belastingen. Vloer 2, Veld 1					
q	2,80 (q2)	2,80 (q2)	5,250	6,250(L)	Z" S14
q	2,80 (q2)	2,80 (q2)	0,000	1,000	Z" S17
-	-	-	m	m	- -

B.G.2: OPGELEGDE BELASTINGEN. VLOER 2, VELD 1

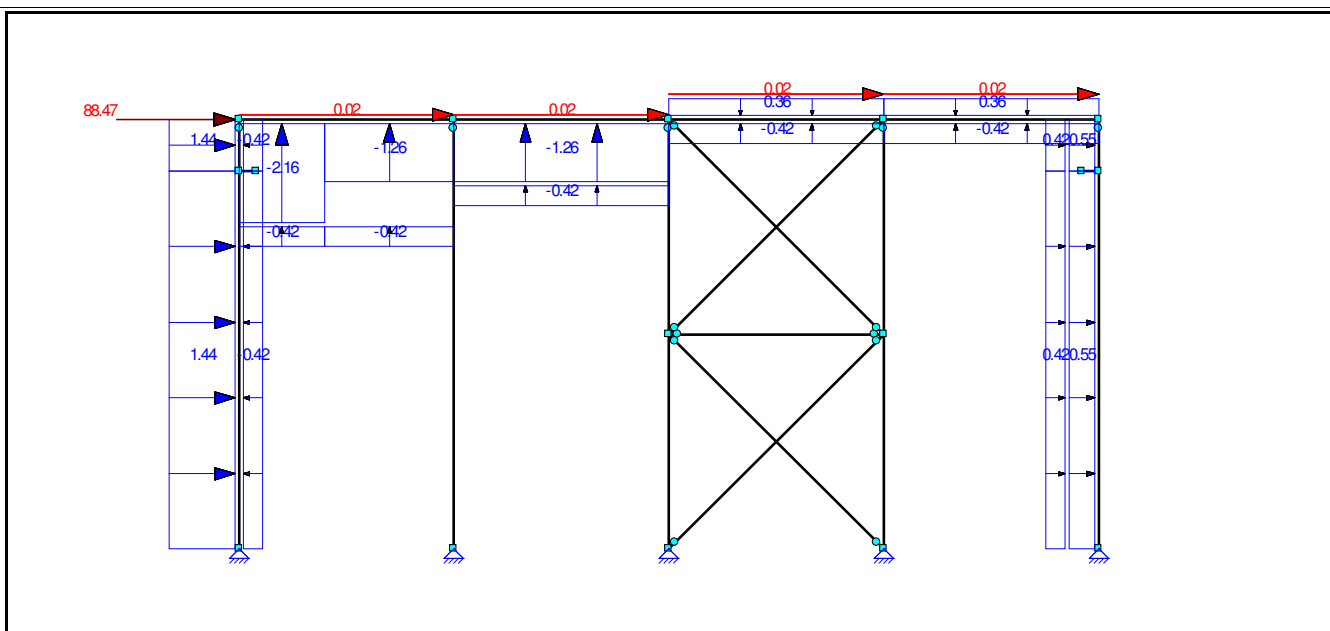


B.G.3: WINDBELASTING VAN LINKS + OVERDRUK

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.3: Windbelasting van Links + Overdruk					

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.3: Windbelasting van Links + Overdruk					
q	1,44 (q8)	1,44 (q8)	0,000	11,000(L)	Z' S5-S6
q	-0,42 (-q4)	-0,42 (-q4)	0,000	11,000(L)	Z' S5-S6,S17
q	0,55 (-q11)	0,55 (-q11)	0,000	11,000(L)	Z' S8-S9
q	0,42 (q4)	0,42 (q4)	0,000	11,000(L)	Z' S8-S9
q	-2,16 (q5)	-2,16 (q5)	0,000	2,500	Z' S11
q	-0,42 (-q4)	-0,42 (-q4)	0,000	2,500	Z' S11
q	-1,26 (q6)	-1,26 (q6)	2,500	6,250(L)	Z' S11
q	-0,42 (-q4)	-0,42 (-q4)	2,500	6,250(L)	Z' S11
q	0,02 (q3)	0,02 (q3)	0,000	6,250(L)	X' S11,S14,S17-S18
q	-1,26 (q6)	-1,26 (q6)	0,000	6,250	Z' S14
q	-0,42 (-q4)	-0,42 (-q4)	0,000	6,250	Z' S14,S18
q	0,36 (q7)	0,36 (q7)	0,000	6,250(L)	Z' S17
q	0,36 (q7)	0,36 (q7)	0,000	6,250	Z' S18
N	88,47				X K2
-	-	-	m	m	- -

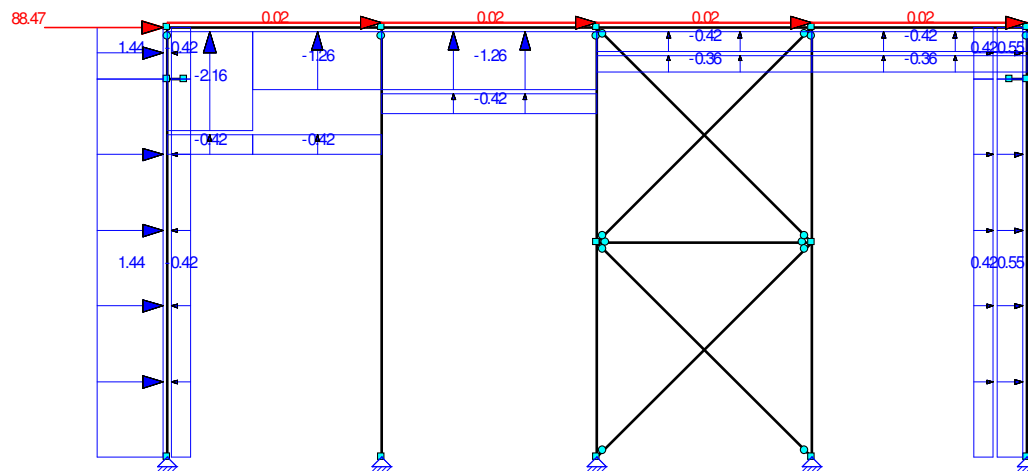
B.G.3: WINDBELASTING VAN LINKS + OVERDRUK



B.G.4: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.4: Windbelasting van Links + Overdruk (2e Cpe)					
q	1,44 (q17)	1,44 (q17)	0,000	11,000(L)	Z' S5-S6
q	-0,42 (-q13)	-0,42 (-q13)	0,000	11,000(L)	Z' S5-S6,S17
q	0,55 (-q20)	0,55 (-q20)	0,000	11,000(L)	Z' S8-S9
q	0,42 (q13)	0,42 (q13)	0,000	11,000(L)	Z' S8-S9
q	-2,16 (q14)	-2,16 (q14)	0,000	2,500	Z' S11
q	-0,42 (-q13)	-0,42 (-q13)	0,000	2,500	Z' S11
q	-1,26 (q15)	-1,26 (q15)	2,500	6,250(L)	Z' S11
q	-0,42 (-q13)	-0,42 (-q13)	2,500	6,250(L)	Z' S11
q	0,02 (q12)	0,02 (q12)	0,000	6,250(L)	X' S11,S14,S17-S18
q	-1,26 (q15)	-1,26 (q15)	0,000	6,250	Z' S14
q	-0,42 (-q13)	-0,42 (-q13)	0,000	6,250	Z' S14,S18
q	-0,36 (q16)	-0,36 (q16)	0,000	6,250(L)	Z' S17
q	-0,36 (q16)	-0,36 (q16)	0,000	6,250	Z' S18
N	88,47				X K2
-	-	-	m	m	- -

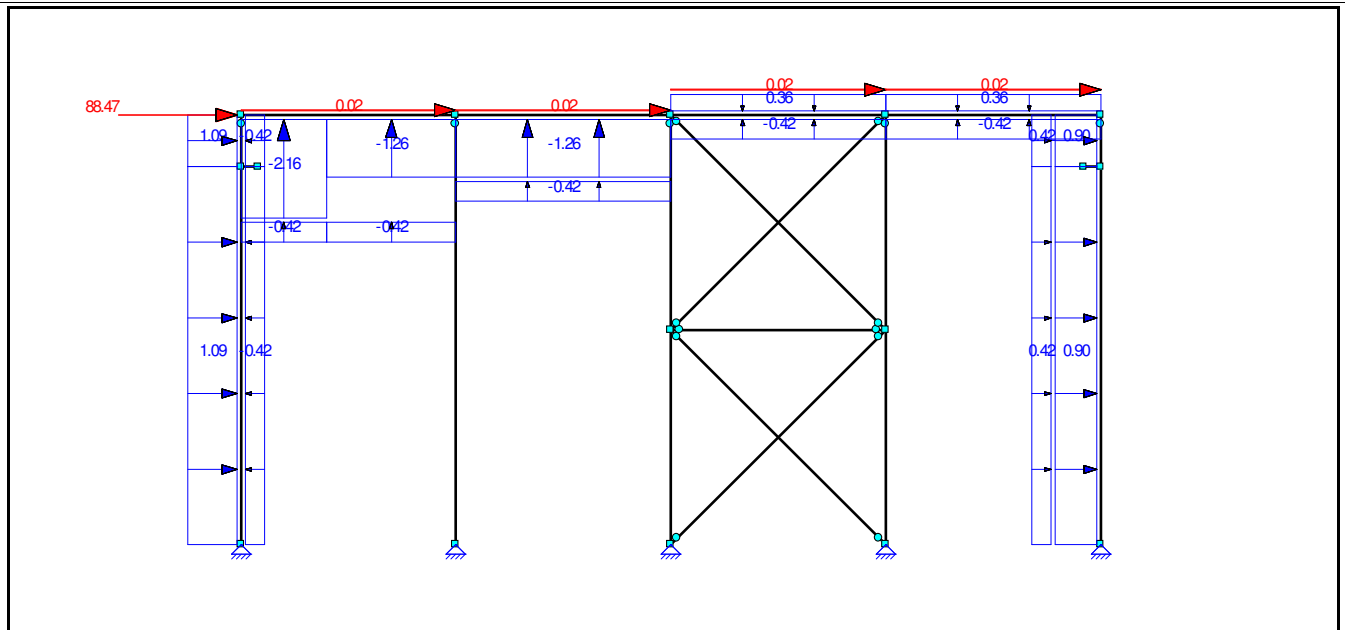
B.G.4: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE)



B.G.5: WINDBELASTING VAN LINKS + OVERDRUK (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.5: Windbelasting van Links + Overdruk (2e corr. factor)					
q	1,09 (q9)	1,09 (q9)	0,000	11,000(L)	Z' S5-S6
q	0,90 (-q10)	0,90 (-q10)	0,000	11,000(L)	Z' S8-S9
q	-0,42 (-q4)	-0,42 (-q4)	0,000	11,000(L)	Z' S5-S6,S17
q	0,42 (q4)	0,42 (q4)	0,000	11,000(L)	Z' S8-S9
q	-2,16 (q5)	-2,16 (q5)	0,000	2,500	Z' S11
q	-0,42 (-q4)	-0,42 (-q4)	0,000	2,500	Z' S11
q	-1,26 (q6)	-1,26 (q6)	2,500	6,250(L)	Z' S11
q	-0,42 (-q4)	-0,42 (-q4)	2,500	6,250(L)	Z' S11
q	0,02 (q3)	0,02 (q3)	0,000	6,250(L)	X' S11,S14,S17-S18
q	-1,26 (q6)	-1,26 (q6)	0,000	6,250	Z' S14
q	-0,42 (-q4)	-0,42 (-q4)	0,000	6,250	Z' S14,S18
q	0,36 (q7)	0,36 (q7)	0,000	6,250(L)	Z' S17
q	0,36 (q7)	0,36 (q7)	0,000	6,250	Z' S18
N	88,47				X K2
-	-	-	m	m	- -

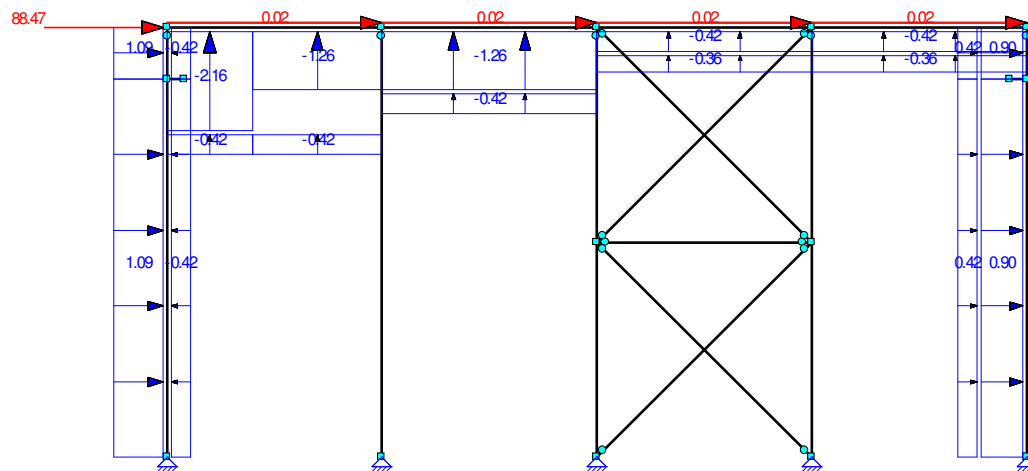
B.G.5: WINDBELASTING VAN LINKS + OVERDRUK (2E CORR. FACTOR)



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

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.6: Windbelasting van Links + Overdruk (2e Cpe) (2e corr. factor)					
q	1,09 (q18)	1,09 (q18)	0,000	11,000(L)	Z' S5-S6
q	0,90 (-q19)	0,90 (-q19)	0,000	11,000(L)	Z' S8-S9
q	-0,42 (-q13)	-0,42 (-q13)	0,000	11,000(L)	Z' S5-S6,S17
q	0,42 (q13)	0,42 (q13)	0,000	11,000(L)	Z' S8-S9
q	-2,16 (q14)	-2,16 (q14)	0,000	2,500	Z' S11
q	-0,42 (-q13)	-0,42 (-q13)	0,000	2,500	Z' S11
q	-1,26 (q15)	-1,26 (q15)	2,500	6,250(L)	Z' S11
q	-0,42 (-q13)	-0,42 (-q13)	2,500	6,250(L)	Z' S11
q	0,02 (q12)	0,02 (q12)	0,000	6,250(L)	X' S11,S14,S17-S18
q	-1,26 (q15)	-1,26 (q15)	0,000	6,250	Z' S14
q	-0,42 (-q13)	-0,42 (-q13)	0,000	6,250	Z' S14,S18
q	-0,36 (q16)	-0,36 (q16)	0,000	6,250(L)	Z' S17
q	-0,36 (q16)	-0,36 (q16)	0,000	6,250	Z' S18
N	88,47				X K2
-	-	-	m	m	- -

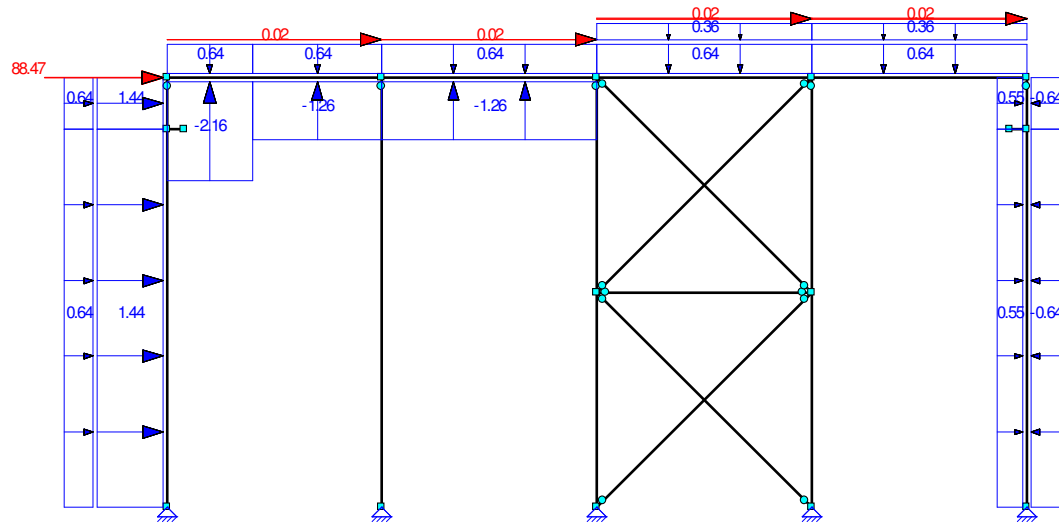
B.G.6: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE) (2E CORR. FACTOR)



B.G.7: WINDBELASTING VAN LINKS + ONDERDRUK

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.7: Windbelasting van Links + Onderdruk					
q	1,44 (q26)	1,44 (q26)	0,000	11,000(L)	Z' S5-S6
q	0,64 (-q22)	0,64 (-q22)	0,000	11,000(L)	Z' S5-S6,S17
q	0,55 (-q29)	0,55 (-q29)	0,000	11,000(L)	Z' S8-S9
q	-0,64 (q22)	-0,64 (q22)	0,000	11,000(L)	Z' S8-S9
q	-2,16 (q23)	-2,16 (q23)	0,000	2,500	Z' S11
q	0,64 (-q22)	0,64 (-q22)	0,000	2,500	Z' S11
q	-1,26 (q24)	-1,26 (q24)	2,500	6,250(L)	Z' S11
q	0,64 (-q22)	0,64 (-q22)	2,500	6,250(L)	Z' S11
q	0,02 (q21)	0,02 (q21)	0,000	6,250(L)	X' S11,S14,S17-S18
q	-1,26 (q24)	-1,26 (q24)	0,000	6,250	Z' S14
q	0,64 (-q22)	0,64 (-q22)	0,000	6,250	Z' S14,S18
q	0,36 (q25)	0,36 (q25)	0,000	6,250(L)	Z' S17
q	0,36 (q25)	0,36 (q25)	0,000	6,250	Z' S18
N	88,47				X K2
-	-	-	m	m	- -

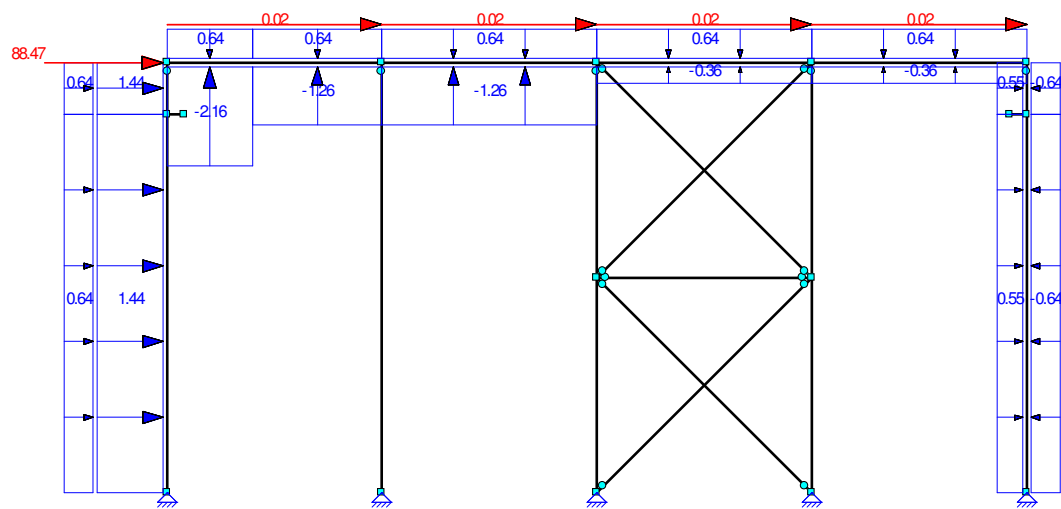
B.G.7: WINDBELASTING VAN LINKS + ONDERDRUK



B.G.8: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.8: Windbelasting van Links + Onderdruk (2e Cpe)					
q	1,44 (q35)	1,44 (q35)	0,000	11,000(L)	Z' S5-S6
q	0,64 (-q31)	0,64 (-q31)	0,000	11,000(L)	Z' S5-S6,S17
q	0,55 (-q38)	0,55 (-q38)	0,000	11,000(L)	Z' S8-S9
q	-0,64 (q31)	-0,64 (q31)	0,000	11,000(L)	Z' S8-S9
q	-2,16 (q32)	-2,16 (q32)	0,000	2,500	Z' S11
q	0,64 (-q31)	0,64 (-q31)	0,000	2,500	Z' S11
q	-1,26 (q33)	-1,26 (q33)	2,500	6,250(L)	Z' S11
q	0,64 (-q31)	0,64 (-q31)	2,500	6,250(L)	Z' S11
q	0,02 (q30)	0,02 (q30)	0,000	6,250(L)	X' S11,S14,S17-S18
q	-1,26 (q33)	-1,26 (q33)	0,000	6,250	Z' S14
q	0,64 (-q31)	0,64 (-q31)	0,000	6,250	Z' S14,S18
q	-0,36 (q34)	-0,36 (q34)	0,000	6,250(L)	Z' S17
q	-0,36 (q34)	-0,36 (q34)	0,000	6,250	Z' S18
N	88,47				X K2
-	-	-	m	m	- -

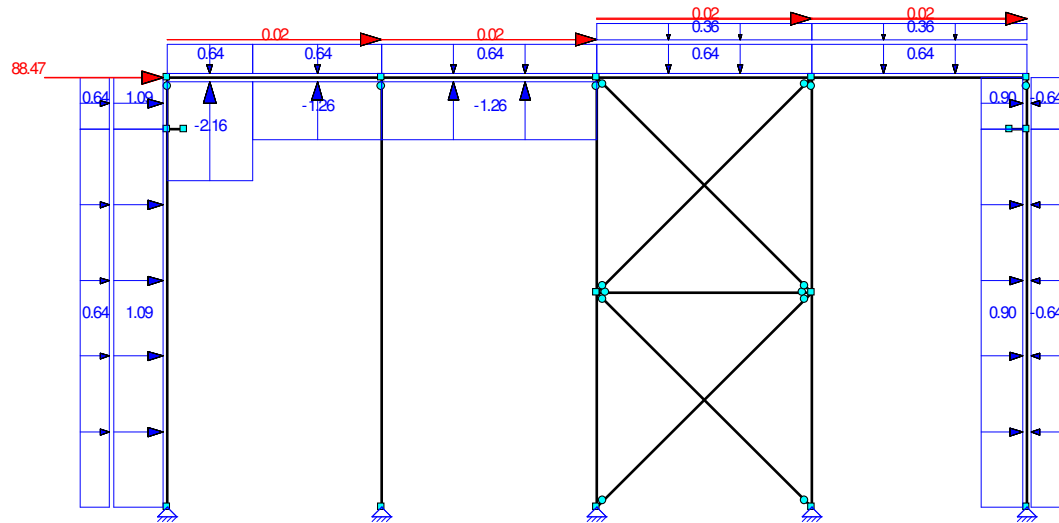
B.G.8: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE)



B.G.9: WINDBELASTING VAN LINKS + ONDERDRUK (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.9: Windbelasting van Links + Onderdruk (2e corr. factor)					
q	1,09 (q27)	1,09 (q27)	0,000	11,000(L)	Z' S5-S6
q	0,90 (-q28)	0,90 (-q28)	0,000	11,000(L)	Z' S8-S9
q	0,64 (-q22)	0,64 (-q22)	0,000	11,000(L)	Z' S5-S6,S17
q	-0,64 (q22)	-0,64 (q22)	0,000	11,000(L)	Z' S8-S9
q	-2,16 (q23)	-2,16 (q23)	0,000	2,500	Z' S11
q	0,64 (-q22)	0,64 (-q22)	0,000	2,500	Z' S11
q	-1,26 (q24)	-1,26 (q24)	2,500	6,250(L)	Z' S11
q	0,64 (-q22)	0,64 (-q22)	2,500	6,250(L)	Z' S11
q	0,02 (q21)	0,02 (q21)	0,000	6,250(L)	X' S11,S14,S17-S18
q	-1,26 (q24)	-1,26 (q24)	0,000	6,250	Z' S14
q	0,64 (-q22)	0,64 (-q22)	0,000	6,250	Z' S14,S18
q	0,36 (q25)	0,36 (q25)	0,000	6,250(L)	Z' S17
q	0,36 (q25)	0,36 (q25)	0,000	6,250	Z' S18
N	88,47				X K2
-	-	-	m	m	- -

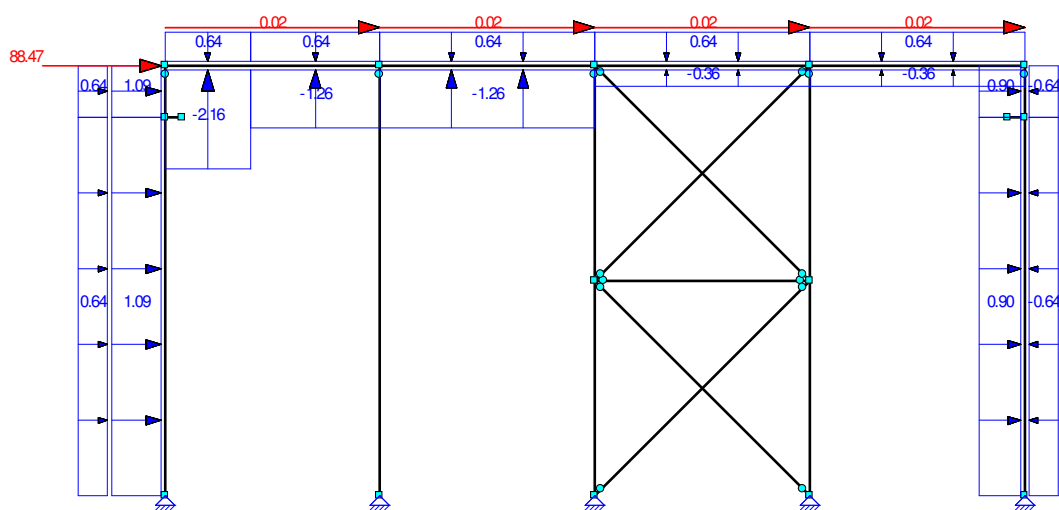
B.G.9: WINDBELASTING VAN LINKS + ONDERDRUK (2E CORR. FACTOR)



B.G.10: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.10: Windbelasting van Links + Onderdruk (2e Cpe) (2e corr. factor)					
q	1,09 (q36)	1,09 (q36)	0,000	11,000(L)	Z' S5-S6
q	0,90 (-q37)	0,90 (-q37)	0,000	11,000(L)	Z' S8-S9
q	0,64 (-q31)	0,64 (-q31)	0,000	11,000(L)	Z' S5-S6,S17
q	-0,64 (q31)	-0,64 (q31)	0,000	11,000(L)	Z' S8-S9
q	-2,16 (q32)	-2,16 (q32)	0,000	2,500	Z' S11
q	0,64 (-q31)	0,64 (-q31)	0,000	2,500	Z' S11
q	-1,26 (q33)	-1,26 (q33)	2,500	6,250(L)	Z' S11
q	0,64 (-q31)	0,64 (-q31)	2,500	6,250(L)	Z' S11
q	0,02 (q30)	0,02 (q30)	0,000	6,250(L)	X' S11,S14,S17-S18
q	-1,26 (q33)	-1,26 (q33)	0,000	6,250	Z' S14
q	0,64 (-q31)	0,64 (-q31)	0,000	6,250	Z' S14,S18
q	-0,36 (q34)	-0,36 (q34)	0,000	6,250(L)	Z' S17
q	-0,36 (q34)	-0,36 (q34)	0,000	6,250	Z' S18
N	88,47				X K2
-	-	-	m	m	- -

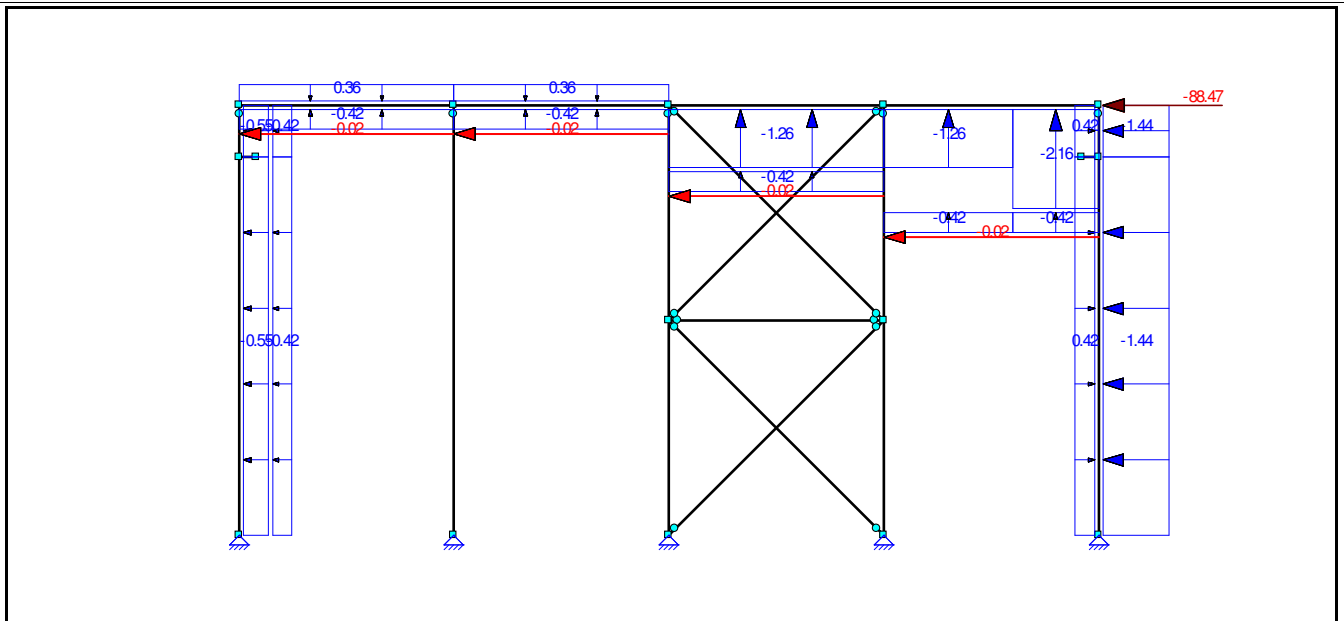
B.G.10: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE) (2E CORR. FACTOR)



B.G.11: WINDBELASTING VAN RECHTS + OVERDRUK

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.11: Windbelasting van Rechts + Overdruk					
q	-0,55 (q45)	-0,55 (q45)	0,000	11,000(L)	Z' S5-S6
q	-0,42 (-q40)	-0,42 (-q40)	0,000	11,000(L)	Z' S5-S6,S11,S17
q	-1,44 (-q47)	-1,44 (-q47)	0,000	11,000(L)	Z' S8-S9
q	0,42 (q40)	0,42 (q40)	0,000	11,000(L)	Z' S8-S9
q	0,36 (q41)	0,36 (q41)	0,000	6,250(L)	Z' S11
q	-0,02 (-q39)	-0,02 (-q39)	0,000	6,250(L)	X' S11,S14,S17-S18
q	0,36 (q41)	0,36 (q41)	0,000	6,250	Z' S14
q	-0,42 (-q40)	-0,42 (-q40)	0,000	6,250	Z' S14
q	-1,26 (q42)	-1,26 (q42)	0,000	6,250(L)	Z' S17
q	-1,26 (q42)	-1,26 (q42)	0,000	3,750	Z' S18
q	-0,42 (-q40)	-0,42 (-q40)	0,000	3,750	Z' S18
q	-2,16 (q43)	-2,16 (q43)	3,750	6,250	Z' S18
q	-0,42 (-q40)	-0,42 (-q40)	3,750	6,250	Z' S18
N	-88,47				X K3
-	-	-	m	m	- -

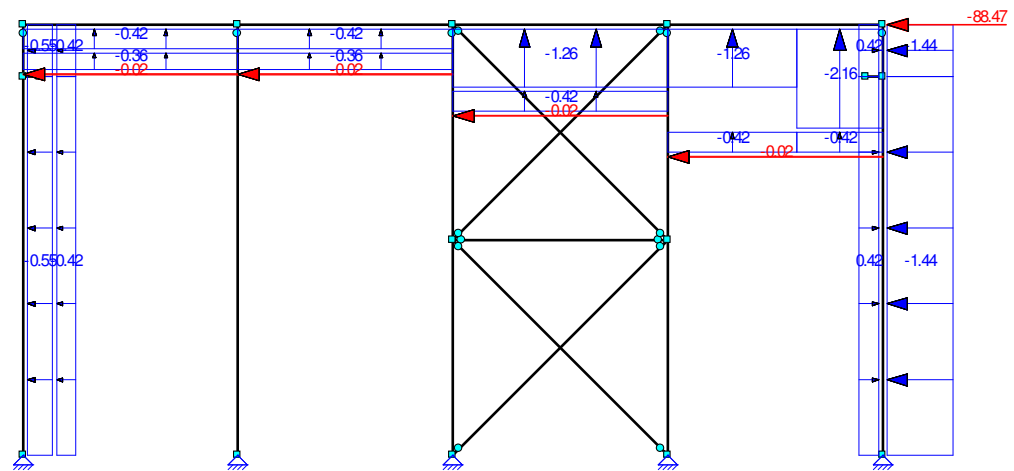
B.G.11: WINDBELASTING VAN RECHTS + OVERDRUK



B.G.12: WINDBELASTING VAN RECHTS + OVERDRUK (2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.12: Windbelasting van Rechts + Overdruk (2e Cpe)					
q	-0,55 (q54)	-0,55 (q54)	0,000	11,000(L)	Z' S5-S6
q	-0,42 (-q49)	-0,42 (-q49)	0,000	11,000(L)	Z' S5-S6,S11,S17
q	-1,44 (-q56)	-1,44 (-q56)	0,000	11,000(L)	Z' S8-S9
q	0,42 (q49)	0,42 (q49)	0,000	11,000(L)	Z' S8-S9
q	-0,36 (q50)	-0,36 (q50)	0,000	6,250(L)	Z' S11
q	-0,02 (-q48)	-0,02 (-q48)	0,000	6,250(L)	X' S11,S14,S17-S18
q	-0,36 (q50)	-0,36 (q50)	0,000	6,250	Z' S14
q	-0,42 (-q49)	-0,42 (-q49)	0,000	6,250	Z' S14
q	-1,26 (q51)	-1,26 (q51)	0,000	6,250(L)	Z' S17
q	-1,26 (q51)	-1,26 (q51)	0,000	3,750	Z' S18
q	-0,42 (-q49)	-0,42 (-q49)	0,000	3,750	Z' S18
q	-2,16 (q52)	-2,16 (q52)	3,750	6,250	Z' S18
q	-0,42 (-q49)	-0,42 (-q49)	3,750	6,250	Z' S18
N	-88,47				X K3
-	-	-	m	m	- -

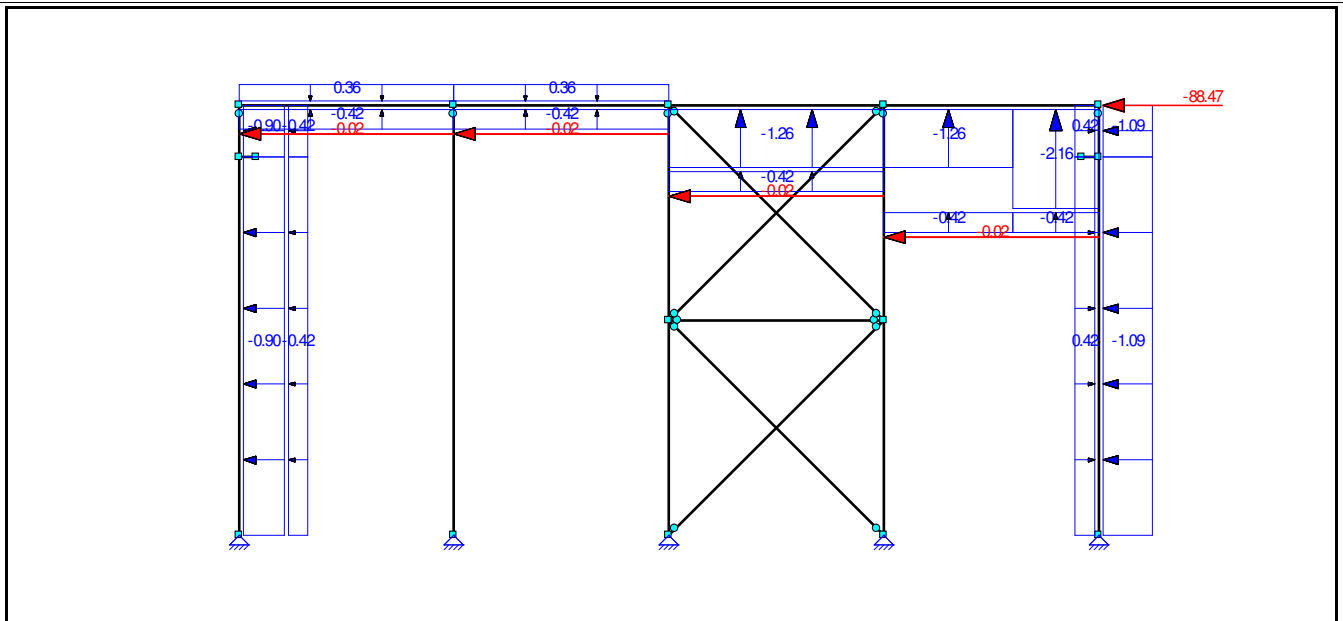
B.G.12: WINDBELASTING VAN RECHTS + OVERDRUK (2E CPE)



B.G.13: WINDBELASTING VAN RECHTS + OVERDRUK (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.13: Windbelasting van Rechts + Overdruk (2e corr. factor)					
q	-0,90 (q44)	-0,90 (q44)	0,000	11,000(L)	Z' S5-S6
q	-1,09 (-q46)	-1,09 (-q46)	0,000	11,000(L)	Z' S8-S9
q	-0,42 (-q40)	-0,42 (-q40)	0,000	11,000(L)	Z' S5-S6,S11,S17
q	0,42 (q40)	0,42 (q40)	0,000	11,000(L)	Z' S8-S9
q	0,36 (q41)	0,36 (q41)	0,000	6,250(L)	Z' S11
q	-0,02 (-q39)	-0,02 (-q39)	0,000	6,250(L)	X' S11,S14,S17-S18
q	0,36 (q41)	0,36 (q41)	0,000	6,250	Z' S14
q	-0,42 (-q40)	-0,42 (-q40)	0,000	6,250	Z' S14
q	-1,26 (q42)	-1,26 (q42)	0,000	6,250(L)	Z' S17
q	-1,26 (q42)	-1,26 (q42)	0,000	3,750	Z' S18
q	-0,42 (-q40)	-0,42 (-q40)	0,000	3,750	Z' S18
q	-2,16 (q43)	-2,16 (q43)	3,750	6,250	Z' S18
q	-0,42 (-q40)	-0,42 (-q40)	3,750	6,250	Z' S18
N	-88,47				X K3
-	-	-	m	m	- -

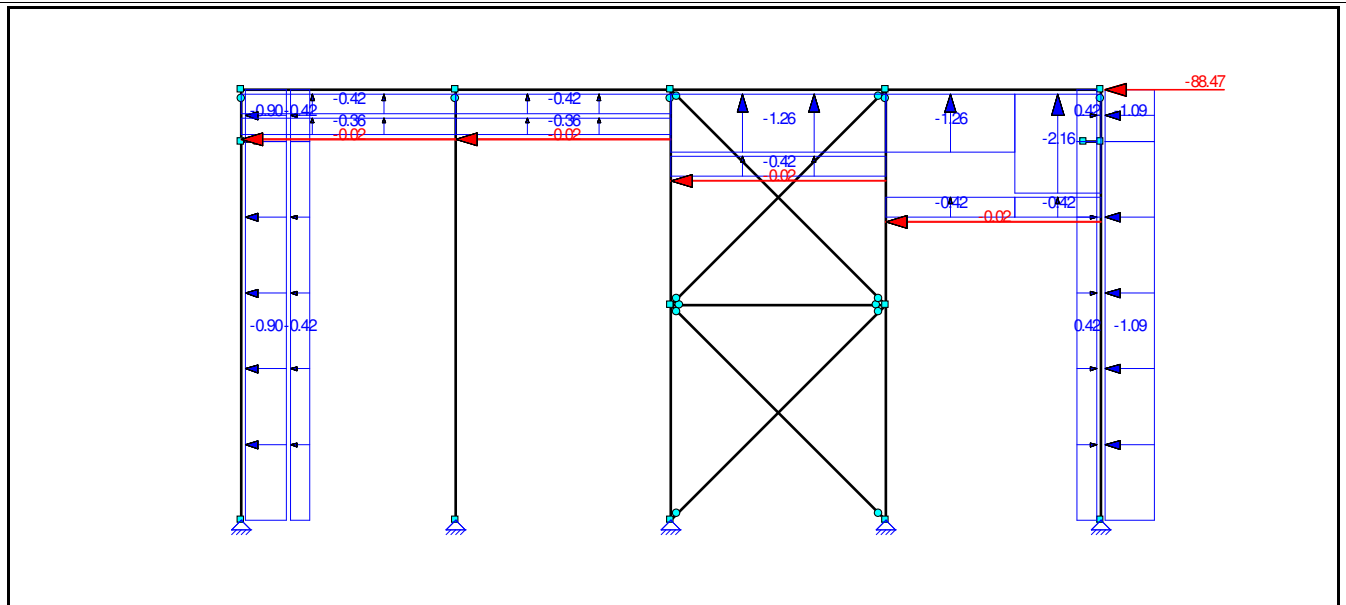
B.G.13: WINDBELASTING VAN RECHTS + OVERDRUK (2E CORR. FACTOR)



B.G.14: WINDBELASTING VAN RECHTS + OVERDRUK (2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.14: Windbelasting van Rechts + Overdruk (2e Cpe) (2e corr. factor)					
q	-0,90 (q53)	-0,90 (q53)	0,000	11,000(L)	Z' S5-S6
q	-1,09 (-q55)	-1,09 (-q55)	0,000	11,000(L)	Z' S8-S9
q	-0,42 (-q49)	-0,42 (-q49)	0,000	11,000(L)	Z' S5-S6,S11,S17
q	0,42 (q49)	0,42 (q49)	0,000	11,000(L)	Z' S8-S9
q	-0,36 (q50)	-0,36 (q50)	0,000	6,250(L)	Z' S11
q	-0,02 (-q48)	-0,02 (-q48)	0,000	6,250(L)	X' S11,S14,S17-S18
q	-0,36 (q50)	-0,36 (q50)	0,000	6,250	Z' S14
q	-0,42 (-q49)	-0,42 (-q49)	0,000	6,250	Z' S14
q	-1,26 (q51)	-1,26 (q51)	0,000	6,250(L)	Z' S17
q	-1,26 (q51)	-1,26 (q51)	0,000	3,750	Z' S18
q	-0,42 (-q49)	-0,42 (-q49)	0,000	3,750	Z' S18
q	-2,16 (q52)	-2,16 (q52)	3,750	6,250	Z' S18
q	-0,42 (-q49)	-0,42 (-q49)	3,750	6,250	Z' S18
N	-88,47				X K3
-	-	-	m	m	- -

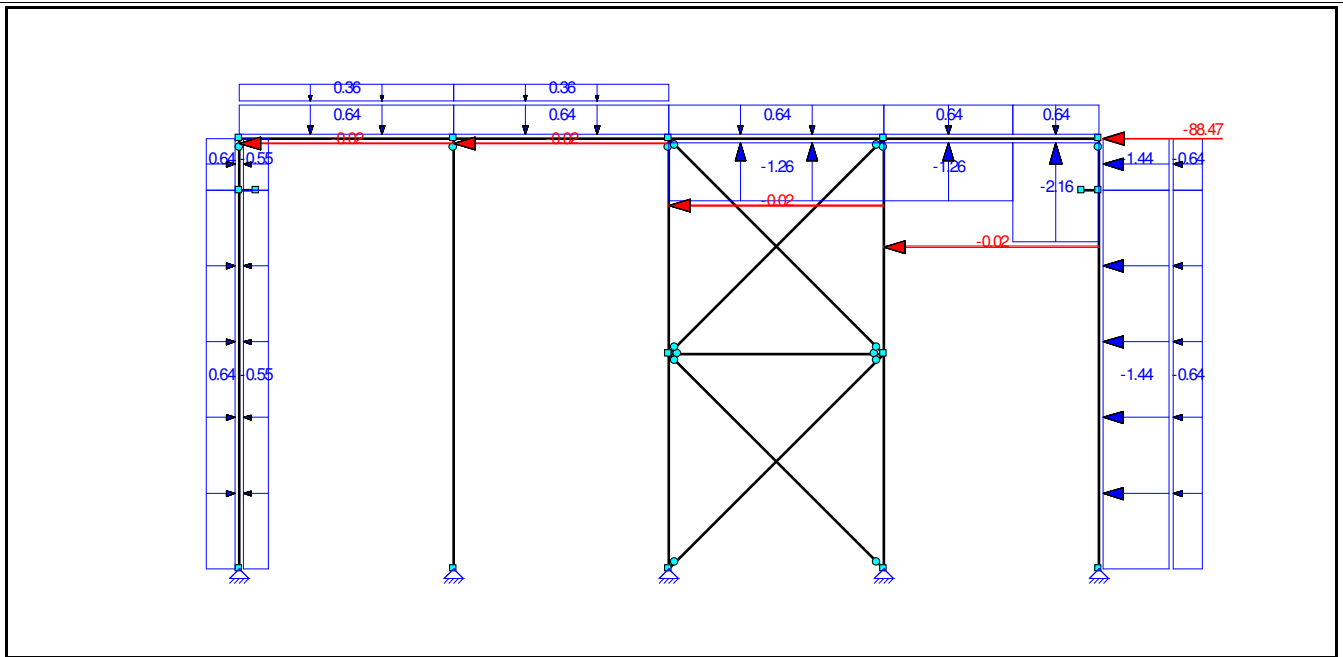
B.G.14: WINDBELASTING VAN RECHTS + OVERDRUK (2E CPE) (2E CORR. FACTOR)



B.G.15: WINDBELASTING VAN RECHTS + ONDERDRUK

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.15: Windbelasting van Rechts + Onderdruk					
q	-0,55 (q63)	-0,55 (q63)	0,000	11,000(L)	Z' S5-S6
q	0,64 (-q58)	0,64 (-q58)	0,000	11,000(L)	Z' S5-S6,S11,S17
q	-1,44 (-q65)	-1,44 (-q65)	0,000	11,000(L)	Z' S8-S9
q	-0,64 (q58)	-0,64 (q58)	0,000	11,000(L)	Z' S8-S9
q	0,36 (q59)	0,36 (q59)	0,000	6,250(L)	Z' S11
q	-0,02 (-q57)	-0,02 (-q57)	0,000	6,250(L)	X' S11,S14,S17-S18
q	0,36 (q59)	0,36 (q59)	0,000	6,250	Z' S14
q	0,64 (-q58)	0,64 (-q58)	0,000	6,250	Z' S14
q	-1,26 (q60)	-1,26 (q60)	0,000	6,250(L)	Z' S17
q	-1,26 (q60)	-1,26 (q60)	0,000	3,750	Z' S18
q	0,64 (-q58)	0,64 (-q58)	0,000	3,750	Z' S18
q	-2,16 (q61)	-2,16 (q61)	3,750	6,250	Z' S18
q	0,64 (-q58)	0,64 (-q58)	3,750	6,250	Z' S18
N	-88,47				X K3
-	-	-	m	m	- -

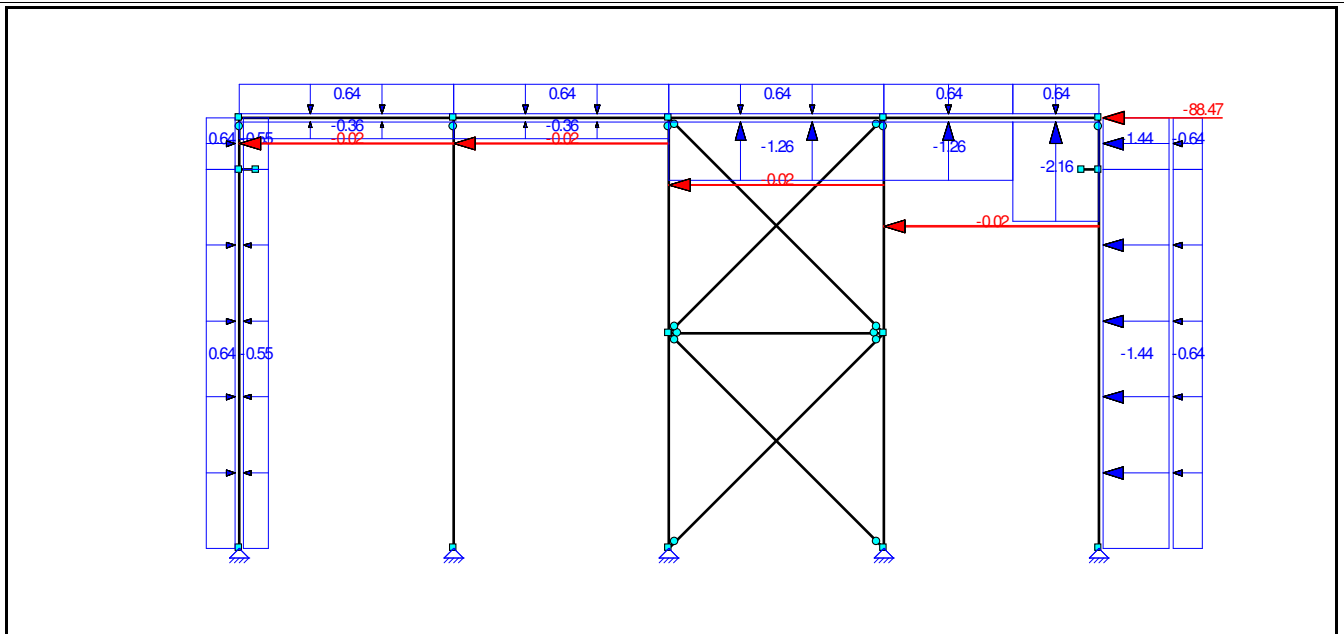
B.G.15: WINDBELASTING VAN RECHTS + ONDERDRUK



B.G.16: WINDBELASTING VAN RECHTS + ONDERDRUK (2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.16: Windbelasting van Rechts + Onderdruk (2e Cpe)					
q	-0,55 (q72)	-0,55 (q72)	0,000	11,000(L)	Z' S5-S6
q	0,64 (-q67)	0,64 (-q67)	0,000	11,000(L)	Z' S5-S6,S11,S17
q	-1,44 (-q74)	-1,44 (-q74)	0,000	11,000(L)	Z' S8-S9
q	-0,64 (q67)	-0,64 (q67)	0,000	11,000(L)	Z' S8-S9
q	-0,36 (q68)	-0,36 (q68)	0,000	6,250(L)	Z' S11
q	-0,02 (-q66)	-0,02 (-q66)	0,000	6,250(L)	X' S11,S14,S17-S18
q	-0,36 (q68)	-0,36 (q68)	0,000	6,250	Z' S14
q	0,64 (-q67)	0,64 (-q67)	0,000	6,250	Z' S14
q	-1,26 (q69)	-1,26 (q69)	0,000	6,250(L)	Z' S17
q	-1,26 (q69)	-1,26 (q69)	0,000	3,750	Z' S18
q	0,64 (-q67)	0,64 (-q67)	0,000	3,750	Z' S18
q	-2,16 (q70)	-2,16 (q70)	3,750	6,250	Z' S18
q	0,64 (-q67)	0,64 (-q67)	3,750	6,250	Z' S18
N	-88,47				X K3
-	-	-	m	m	- -

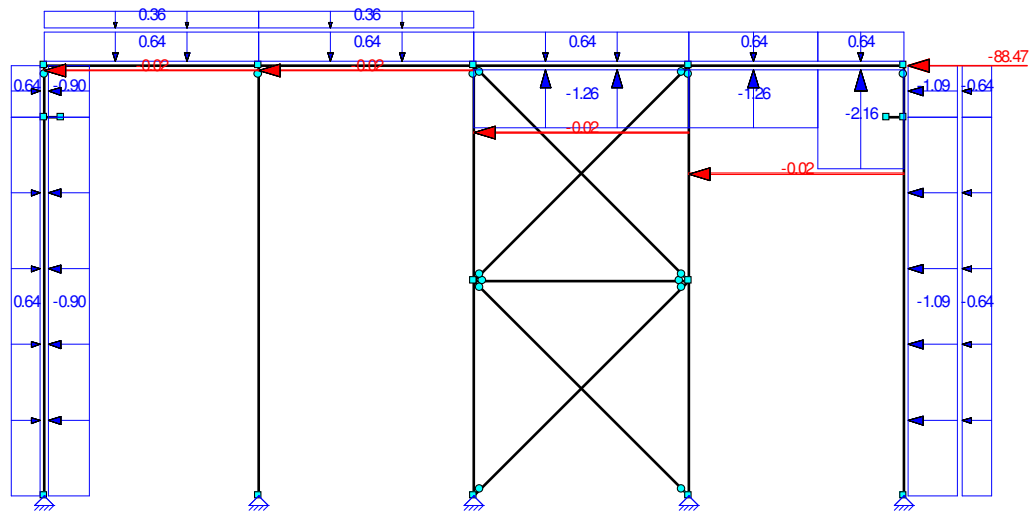
B.G.16: WINDBELASTING VAN RECHTS + ONDERDRUK (2E CPE)



B.G.17: WINDBELASTING VAN RECHTS + ONDERDRUK (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.17: Windbelasting van Rechts + Onderdruk (2e corr. factor)					
q	-0.90 (q62)	-0.90 (q62)	0,000	11,000(L)	Z' S5-S6
q	-1,09 (-q64)	-1,09 (-q64)	0,000	11,000(L)	Z' S8-S9
q	0,64 (-q58)	0,64 (-q58)	0,000	11,000(L)	Z' S5-S6,S11,S17
q	-0,64 (q58)	-0,64 (q58)	0,000	11,000(L)	Z' S8-S9
q	0,36 (q59)	0,36 (q59)	0,000	6,250(L)	Z' S11
q	-0,02 (-q57)	-0,02 (-q57)	0,000	6,250(L)	X' S11,S14,S17-S18
q	0,36 (q59)	0,36 (q59)	0,000	6,250	Z' S14
q	0,64 (-q58)	0,64 (-q58)	0,000	6,250	Z' S14
q	-1,26 (q60)	-1,26 (q60)	0,000	6,250(L)	Z' S17
q	-1,26 (q60)	-1,26 (q60)	0,000	3,750	Z' S18
q	0,64 (-q58)	0,64 (-q58)	0,000	3,750	Z' S18
q	-2,16 (q61)	-2,16 (q61)	3,750	6,250	Z' S18
q	0,64 (-q58)	0,64 (-q58)	3,750	6,250	Z' S18
N	-88,47				X K3
-	-	-	m	m	- -

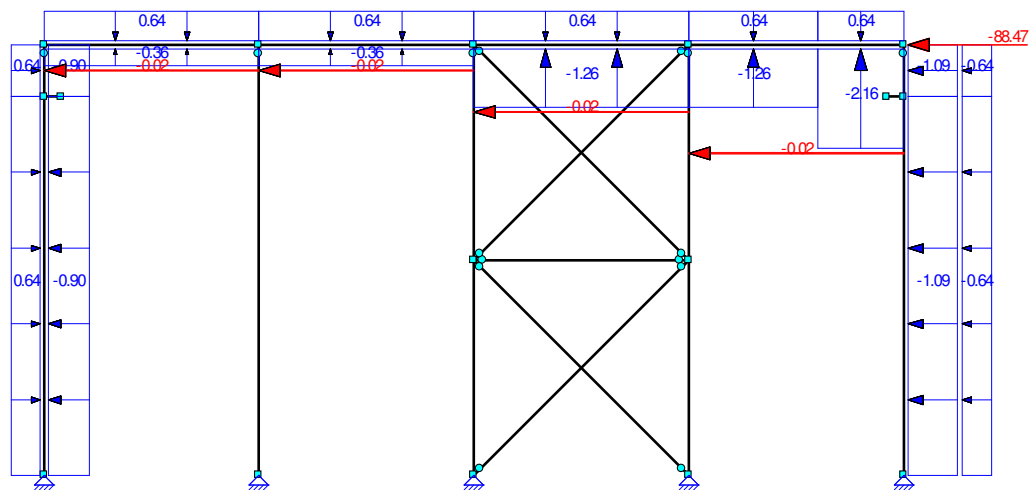
B.G.17: WINDBELASTING VAN RECHTS + ONDERDRUK (2E CORR. FACTOR)



B.G.18: WINDBELASTING VAN RECHTS + ONDERDRUK (2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.18: Windbelasting van Rechts + Onderdruk (2e Cpe) (2e corr. factor)					
q	-0,90 (q71)	-0,90 (q71)	0,000	11,000(L)	Z' S5-S6
q	-1,09 (-q73)	-1,09 (-q73)	0,000	11,000(L)	Z' S8-S9
q	0,64 (-q67)	0,64 (-q67)	0,000	11,000(L)	Z' S5-S6,S11,S17
q	-0,64 (q67)	-0,64 (q67)	0,000	11,000(L)	Z' S8-S9
q	-0,36 (q68)	-0,36 (q68)	0,000	6,250(L)	Z' S11
q	-0,02 (-q66)	-0,02 (-q66)	0,000	6,250(L)	X' S11,S14,S17-S18
q	-0,36 (q68)	-0,36 (q68)	0,000	6,250	Z' S14
q	0,64 (-q67)	0,64 (-q67)	0,000	6,250	Z' S14
q	-1,26 (q69)	-1,26 (q69)	0,000	6,250(L)	Z' S17
q	-1,26 (q69)	-1,26 (q69)	0,000	3,750	Z' S18
q	0,64 (-q67)	0,64 (-q67)	0,000	3,750	Z' S18
q	-2,16 (q70)	-2,16 (q70)	3,750	6,250	Z' S18
q	0,64 (-q67)	0,64 (-q67)	3,750	6,250	Z' S18
N	-88,47				X K3
-	-	-	m	m	- -

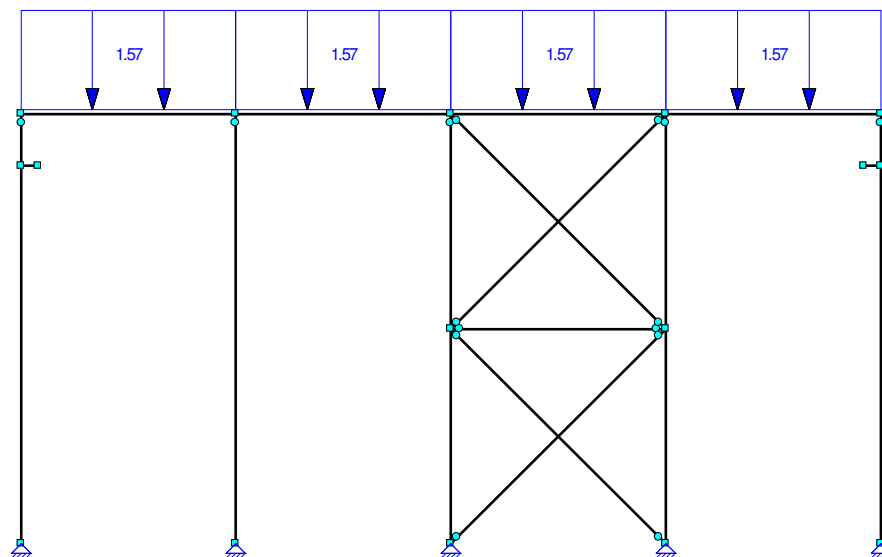
B.G.18: WINDBELASTING VAN RECHTS + ONDERDRUK (2E CPE) (2E CORR. FACTOR)



B.G.19: SNEEUWBELASTING 1

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.19: Sneeuwbelasting 1					
q	1,57 (q75)	1,57 (q75)	0,000	6,250(L)	Z S11,S14,S17-S18
-	-	-	m	m	- -

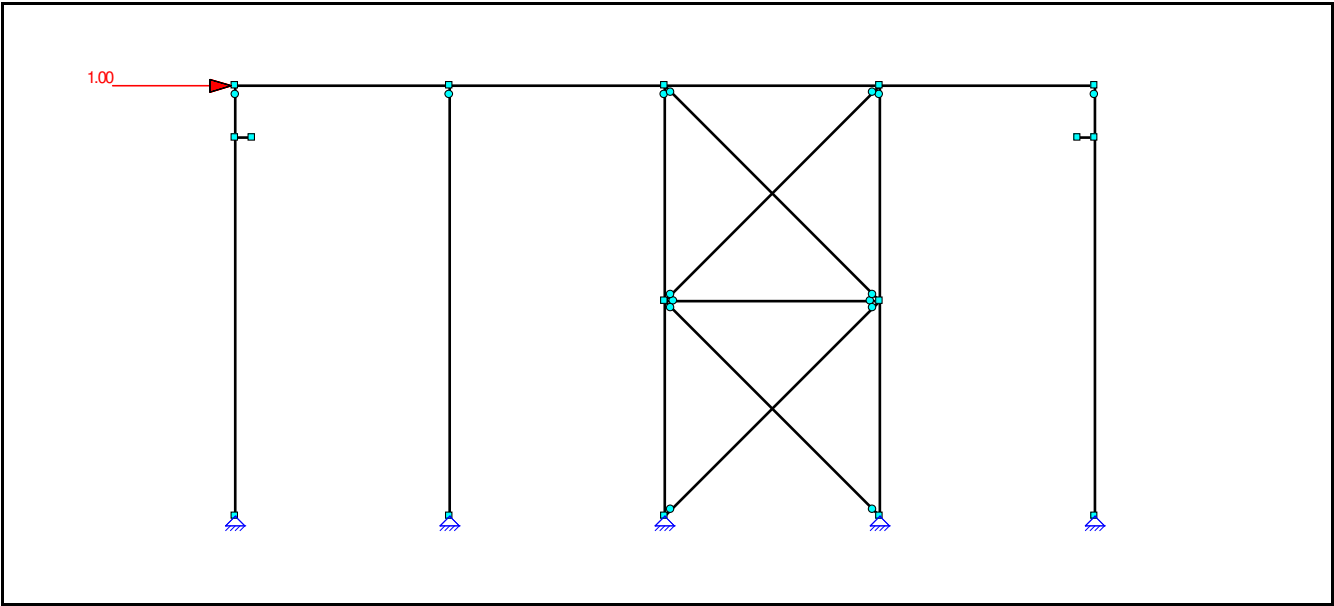
B.G.19: SNEEUWBELASTING 1



B.G.20: KNIKLENGTE

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.20: Kniklengte					
N	1,00				X K2
-	-	-	m	m	- -

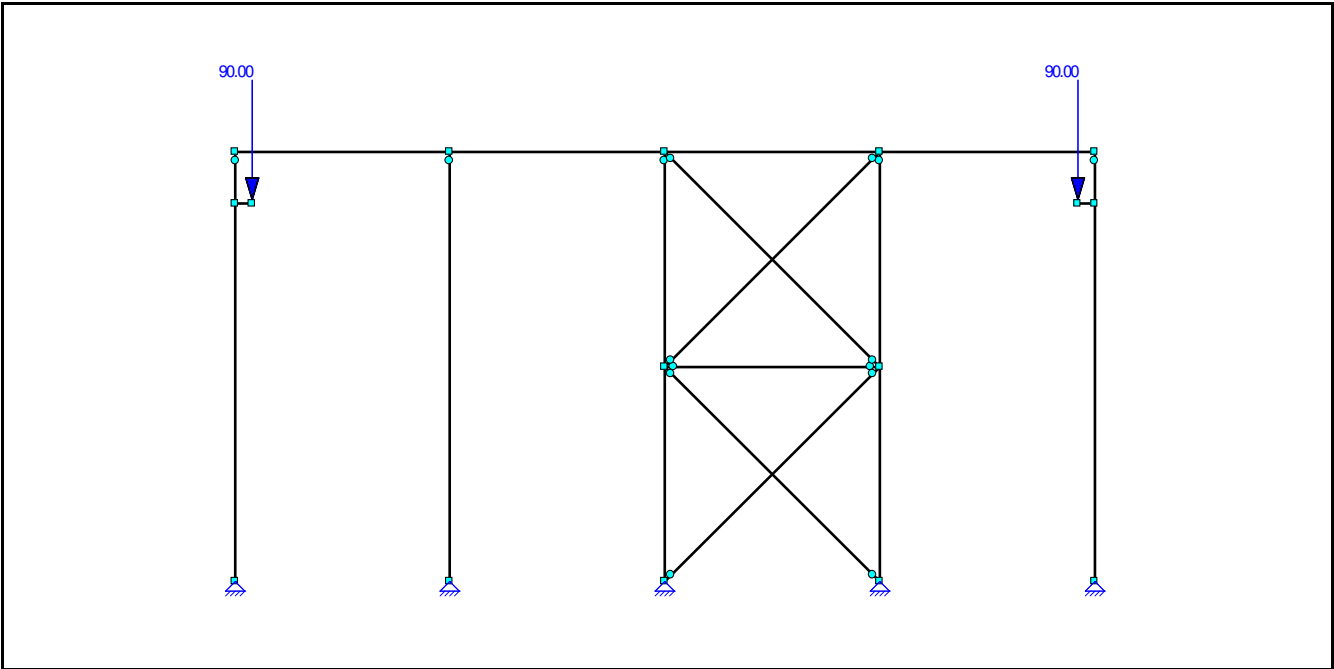
B.G.20: KNIKLENGTE



B.G.21: MOBIELE LASTEN VERT.

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.21: Mobiele lasten Vert.					
N	90,00	-	m	m	Z K6-K7
-	-	-	m	m	- -

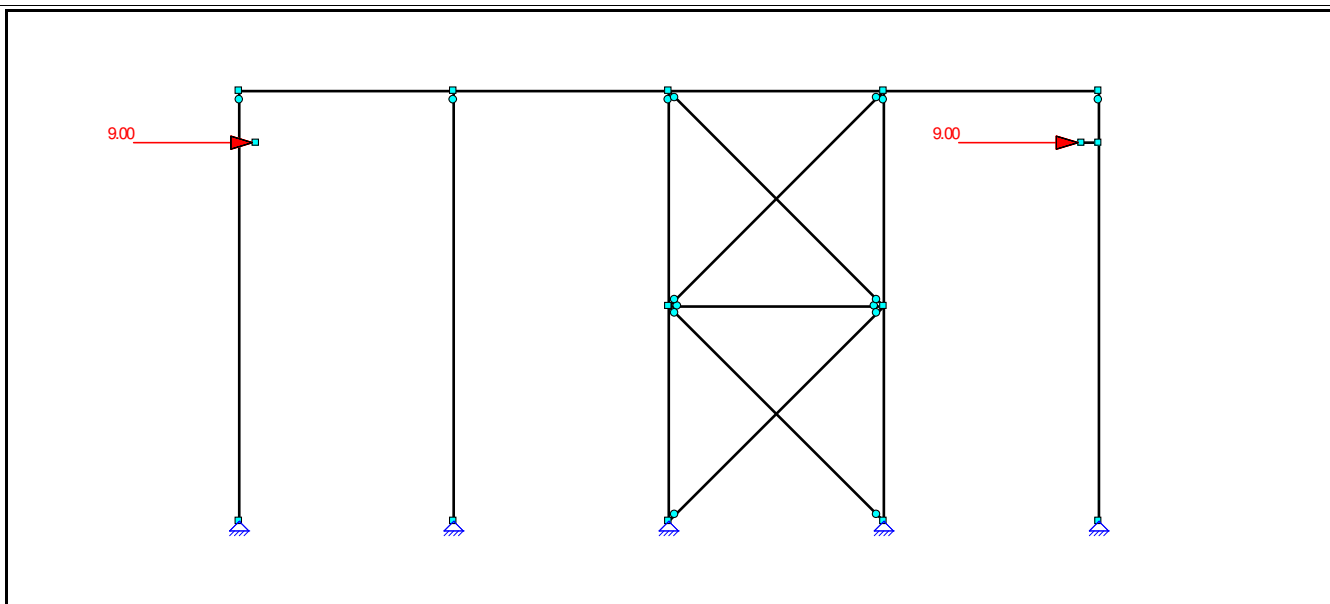
B.G.21: MOBIELE LASTEN VERT.



B.G.22: MOBIELE LASTEN HOR

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.22: Mobiele lasten hor					
N	9,00	-	m	m	X K6-K7
-	-	-	m	m	- -

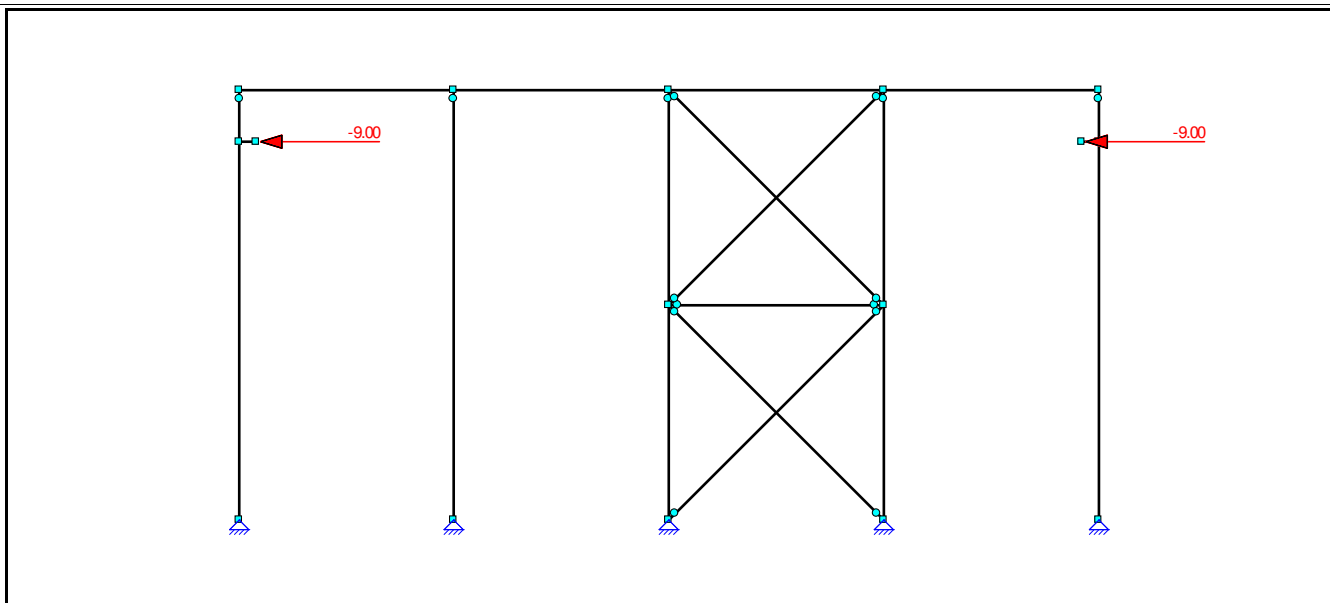
B.G.22: MOBIELE LASTEN HOR



B.G.23: MOBIELE LASTEN HOR

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.23: Mobiele lasten hor					
N	-9,00				X K6-K7
-	-	-	m	m	- -

B.G.23: MOBIELE LASTEN HOR



FUNDAMENTEEL BELASTINGSCOMBINATIES (TABEL)

B.G.	Omschrijving	Fu.C.1 (Overslaan)	Fu.C.2	Fu.C.3	Fu.C.4	Fu.C.5 (Overslaan)	Fu.C.6	Fu.C.7 (Overslaan)	Fu.C.8 (Overslaan)
B.G.1	Permanente Belasting	1.20	0.90	0.90	0.90	0.90	1.20	1.20	1.20
B.G.2	Opgelegde belastingen. Vloer 2, Veld 1	1.50	-	-	-	-	-	-	-
B.G.3	Windbelasting van Links + Overdruk	-	1.50	-	-	-	-	-	-
B.G.4	Windbelasting van Links + Overdruk (2e Cpe)	-	-	1.50	-	-	-	-	-
B.G.5	Windbelasting van Links + Overdruk (2e corr. factor)	-	-	-	1.50	-	-	-	-
B.G.6	Windbelasting van Links + Overdruk (2e Cpe) (2e corr. factor)	-	-	-	-	1.50	-	-	-
B.G.7	Windbelasting van Links + Onderdruk	-	-	-	-	-	1.50	-	-
B.G.8	Windbelasting van Links + Onderdruk (2e Cpe)	-	-	-	-	-	-	1.50	-

Wopereis Staalbouw				Pos 7 - Eindspant					
--------------------	--	--	--	-------------------	--	--	--	--	--

B.G.9	Windbelasting van Links + Onderdruk (2e corr. factor)	-	-	-	-	-	-	-	1.50
B.G.10	Windbelasting van Links + Onderdruk (2e Cpe) (2e corr. factor)	-	-	-	-	-	-	-	-
B.G.11	Windbelasting van Rechts + Overdruk	-	-	-	-	-	-	-	-
B.G.12	Windbelasting van Rechts + Overdruk (2e Cpe)	-	-	-	-	-	-	-	-
B.G.13	Windbelasting van Rechts + Overdruk (2e corr. factor)	-	-	-	-	-	-	-	-
B.G.14	Windbelasting van Rechts + Overdruk (2e Cpe) (2e corr. factor)	-	-	-	-	-	-	-	-
B.G.15	Windbelasting van Rechts + Onderdruk	-	-	-	-	-	-	-	-
B.G.16	Windbelasting van Rechts + Onderdruk (2e Cpe)	-	-	-	-	-	-	-	-
B.G.17	Windbelasting van Rechts + Onderdruk (2e corr. factor)	-	-	-	-	-	-	-	-
B.G.18	Windbelasting van Rechts + Onderdruk (2e Cpe) (2e corr. factor)	-	-	-	-	-	-	-	-
B.G.19	Sneeuwbelasting 1	-	-	-	-	-	-	-	-
B.G.20	Kniklengte	-	-	-	-	-	-	-	-
B.G.21	Mobiele lasten Vert.	-	-	-	-	-	-	-	-
B.G.22	Mobiele lasten hor	-	-	-	-	-	-	-	-
B.G.23	Mobiele lasten hor	-	-	-	-	-	-	-	-
B.G.	Omschrijving	Fu.C.9 (Overslaan)	Fu.C.10	Fu.C.11	Fu.C.12	Fu.C.13 (Overslaan)	Fu.C.14	Fu.C.15 (Overslaan)	Fu.C.16
B.G.1	Permanente Belasting	1.20	0.90	0.90	0.90	0.90	1.20	1.20	1.20
B.G.2	Opgelegde belastingen. Vloer 2, Veld 1	-	-	-	-	-	-	-	-
B.G.3	Windbelasting van Links + Overdruk	-	-	-	-	-	-	-	-
B.G.4	Windbelasting van Links + Overdruk (2e Cpe)	-	-	-	-	-	-	-	-
B.G.5	Windbelasting van Links + Overdruk (2e corr. factor)	-	-	-	-	-	-	-	-
B.G.6	Windbelasting van Links + Overdruk (2e Cpe) (2e corr. factor)	-	-	-	-	-	-	-	-
B.G.7	Windbelasting van Links + Onderdruk	-	-	-	-	-	-	-	-
B.G.8	Windbelasting van Links + Onderdruk (2e Cpe)	-	-	-	-	-	-	-	-
B.G.9	Windbelasting van Links + Onderdruk (2e corr. factor)	-	-	-	-	-	-	-	-
B.G.10	Windbelasting van Links + Onderdruk (2e Cpe) (2e corr. factor)	1.50	-	-	-	-	-	-	-
B.G.11	Windbelasting van Rechts + Overdruk	-	1.50	-	-	-	-	-	-
B.G.12	Windbelasting van Rechts + Overdruk (2e Cpe)	-	-	1.50	-	-	-	-	-
B.G.13	Windbelasting van Rechts + Overdruk (2e corr. factor)	-	-	-	1.50	-	-	-	-
B.G.14	Windbelasting van Rechts + Overdruk (2e Cpe) (2e corr. factor)	-	-	-	-	1.50	-	-	-
B.G.15	Windbelasting van Rechts + Onderdruk	-	-	-	-	-	1.50	-	-
B.G.16	Windbelasting van Rechts + Onderdruk (2e Cpe)	-	-	-	-	-	-	1.50	-
B.G.17	Windbelasting van Rechts + Onderdruk (2e corr. factor)	-	-	-	-	-	-	-	1.50
B.G.18	Windbelasting van Rechts + Onderdruk (2e Cpe) (2e corr. factor)	-	-	-	-	-	-	-	-
B.G.19	Sneeuwbelasting 1	-	-	-	-	-	-	-	-
B.G.20	Kniklengte	-	-	-	-	-	-	-	-
B.G.21	Mobiele lasten Vert.	-	-	-	-	-	-	-	-
B.G.22	Mobiele lasten hor	-	-	-	-	-	-	-	-
B.G.23	Mobiele lasten hor	-	-	-	-	-	-	-	-
B.G.	Omschrijving	Fu.C.17 (Overslaan)	Fu.C.18	Fu.C.19	Fu.C.20	Fu.C.21 (Overslaan)	Fu.C.22		
B.G.1	Permanente Belasting	1.20	1.20	1.20	1.20	1.35	0.90		
B.G.2	Opgelegde belastingen. Vloer 2, Veld 1	-	-	-	-	-	-		
B.G.3	Windbelasting van Links + Overdruk	-	-	-	-	-	-		
B.G.4	Windbelasting van Links + Overdruk (2e Cpe)	-	-	-	-	-	-		
B.G.5	Windbelasting van Links + Overdruk (2e corr. factor)	-	-	-	-	-	-		
B.G.6	Windbelasting van Links + Overdruk (2e Cpe) (2e corr. factor)	-	-	-	-	-	-		
B.G.7	Windbelasting van Links + Onderdruk	-	-	-	-	-	-		
B.G.8	Windbelasting van Links + Onderdruk (2e Cpe)	-	-	-	-	-	-		
B.G.9	Windbelasting van Links + Onderdruk (2e corr. factor)	-	-	-	-	-	-		
B.G.10	Windbelasting van Links + Onderdruk (2e Cpe) (2e corr. factor)	-	-	-	-	-	-		
B.G.11	Windbelasting van Rechts + Overdruk	-	-	-	-	-	-		
B.G.12	Windbelasting van Rechts + Overdruk (2e Cpe)	-	-	-	-	-	-		
B.G.13	Windbelasting van Rechts + Overdruk (2e corr. factor)	-	-	-	-	-	-		
B.G.14	Windbelasting van Rechts + Overdruk (2e Cpe) (2e corr. factor)	-	-	-	-	-	-		

B.G.15	Windbelasting van Rechts + Onderdruk	-	-	-	-	-	-
B.G.16	Windbelasting van Rechts + Onderdruk (2e Cpe)	-	-	-	-	-	-
B.G.17	Windbelasting van Rechts + Onderdruk (2e corr. factor)	-	-	-	-	-	-
B.G.18	Windbelasting van Rechts + Onderdruk (2e Cpe) (2e corr. factor)	1.50	-	-	-	-	-
B.G.19	Sneeuwbelasting 1	-	1.50	-	-	-	-
B.G.20	Kniklengte	-	-	-	-	-	-
B.G.21	Mobiele lasten Vert.	-	-	1.50	1.50	-	-
B.G.22	Mobiele lasten hor	-	-	1.50	-	-	-
B.G.23	Mobiele lasten hor	-	-	-	1.50	-	-

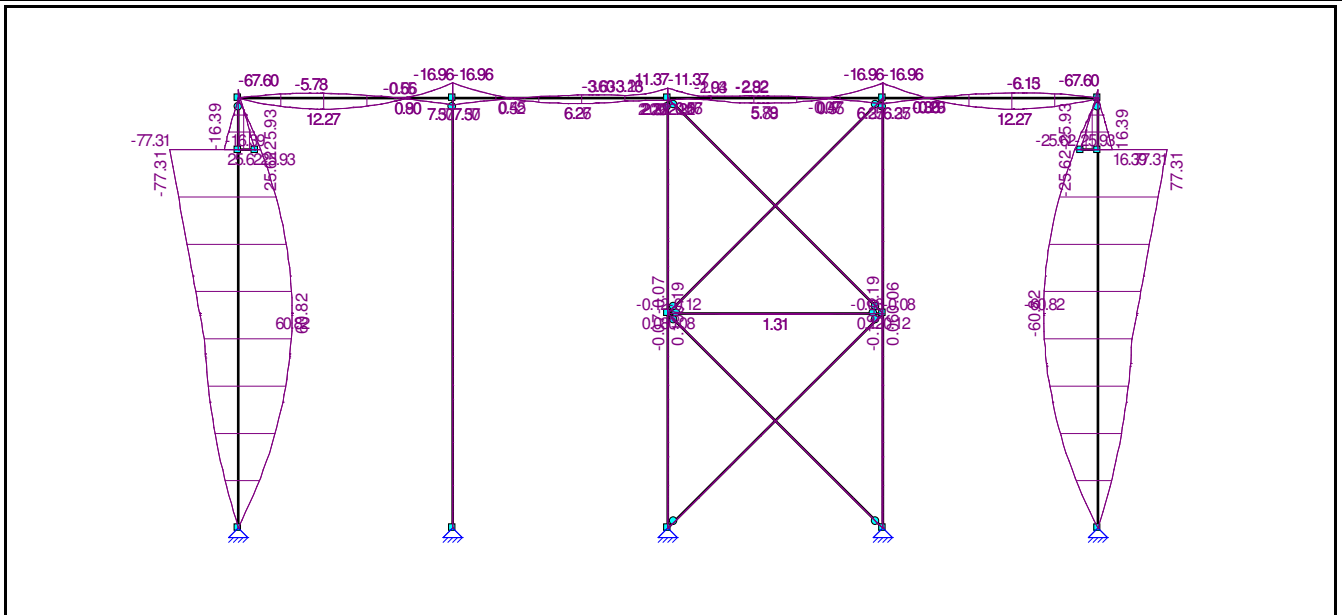
UITGANGSPUNTEN VAN DE ANALYSE

Geavanceerde Analyse

Trekelemen(en) gebruikt

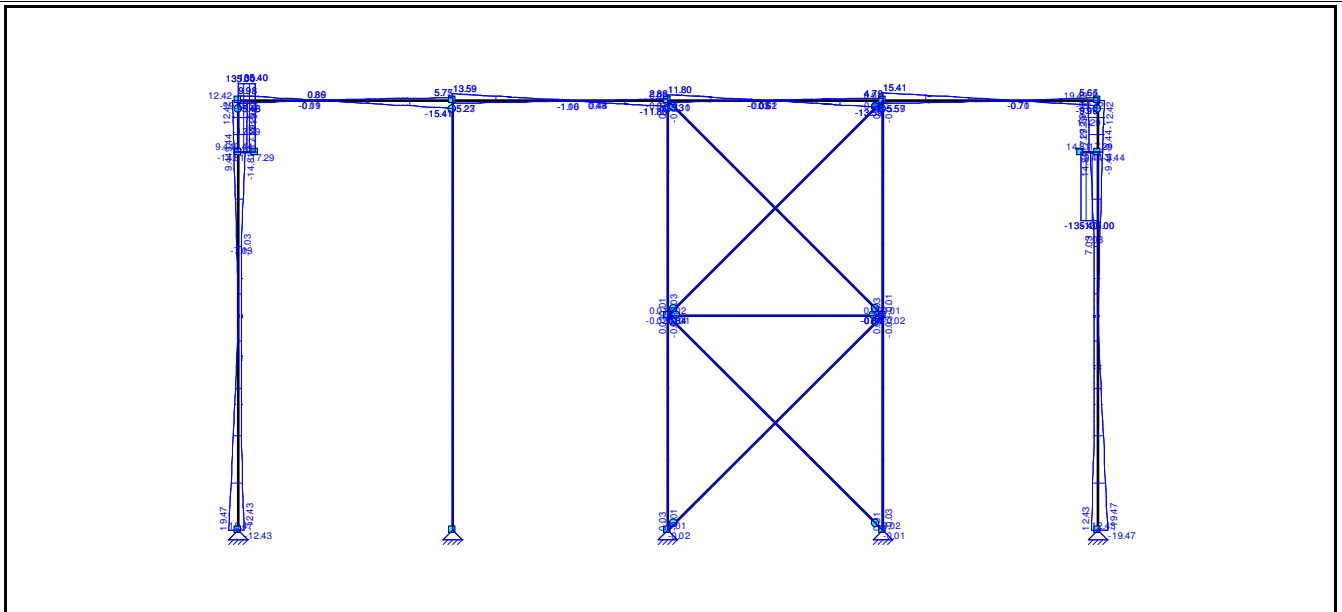
AFB. FU.C. MOMENT (MY) OMHULLENDE

Fundamenteel Belastingscombinaties

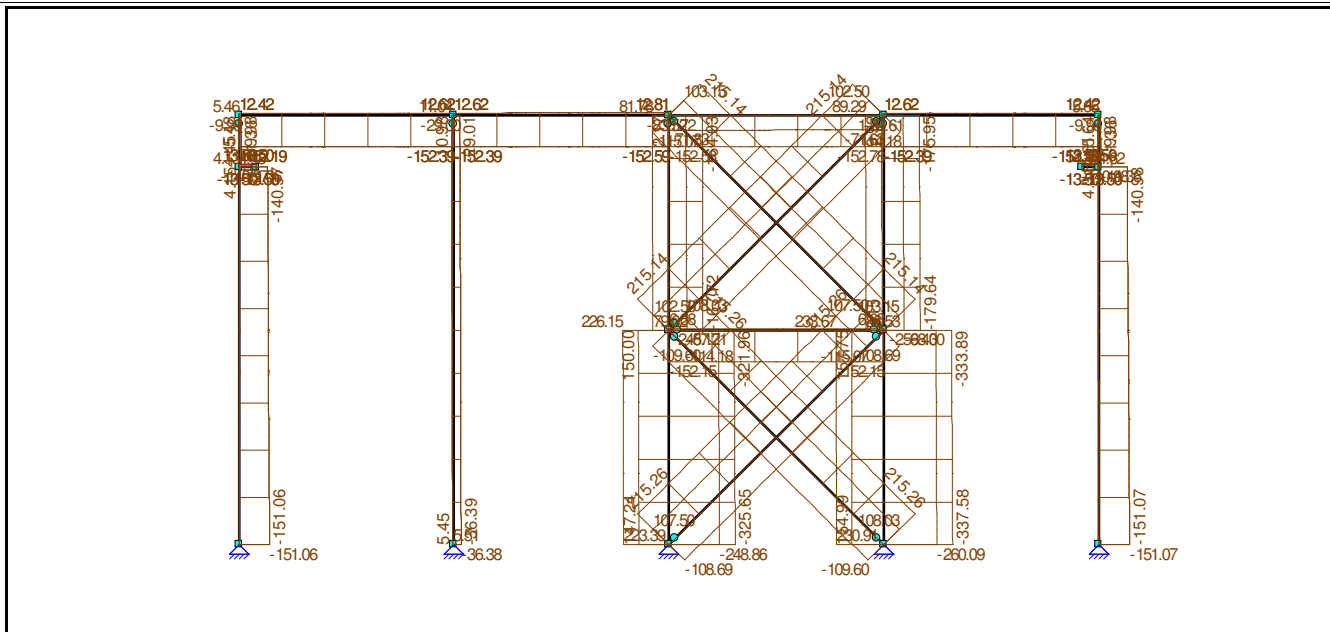


AFB. FU.C. DRWARKRACHT (VZ) / SHEAR FORCE (VZ) OMHULLENDE

Fundamenteel Belastingscombinaties



Fundamenteel Belastingscombinaties



Staal	B.C.	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Vb	Vmax	Ve
S4	Fu.C.2	-0.07			0.00	0.000	0.000 -	0.00	0.30	0.30	0.00
	Fu.C.3	-0.07			0.00	0.000	0.000 -	0.00	0.30	0.30	0.00
	Fu.C.4	-0.07			0.00	0.000	0.000 -	0.00	0.30	0.30	0.00
	Fu.C.6	-0.10			0.00	0.500	0.000 -	0.00	0.40	0.40	0.00
	Fu.C.10	-0.07			0.00	0.000	0.000 -	0.00	0.30	0.30	0.00
	Fu.C.11	-0.07			0.00	0.000	0.000 -	0.00	0.30	0.30	0.00
	Fu.C.12	-0.07			0.00	0.000	0.000 -	0.00	0.30	0.30	0.00
	Fu.C.14	-0.10			0.00	0.500	0.000 -	0.00	0.40	0.40	0.00
	Fu.C.16	-0.10			0.00	0.500	0.000 -	0.00	0.40	0.40	0.00
	Fu.C.18	-0.10			0.00	0.500	0.000 -	0.00	0.40	0.40	0.00
	Fu.C.19	-67.60			0.00	0.000	0.000 T	13.50	135.40	135.40	135.00
	Fu.C.20	-67.60			0.00	0.000	0.000 D	-13.50	135.40	135.40	135.00
S5	Fu.C.22	-0.07			0.00	0.000	0.000 -	0.00	0.30	0.30	0.00
	Fu.C.2	0.00	29.78	6.246	12.53	0.000	0.000 T	4.09	9.53	9.53	-7.26
	Fu.C.3	0.00	29.78	6.246	12.53	0.000	0.000 T	4.15	9.53	9.53	-7.26
	Fu.C.4	0.00	19.48	6.244	8.18	0.000	0.000 T	4.09	6.24	6.24	-4.75
	Fu.C.6	0.00	60.82	6.247	25.62	0.000	0.000 D	-11.41	19.47	19.47	-14.81
	Fu.C.10	0.00	-28.56	6.254	-12.11	0.000	0.000 D	-11.59	-9.13	-9.13	6.93
	Fu.C.11	0.00	-28.56	6.254	-12.11	0.000	0.000 D	-9.00	-9.13	-9.13	6.93
	Fu.C.12	0.00	-38.86	6.253	-16.46	0.000	0.000 D	-11.59	-12.43	-12.43	9.44
	Fu.C.14	0.00	2.48	6.189	0.98	0.000	0.000 D	-19.53	0.80	0.80	-0.62
	Fu.C.16	0.00	-7.81	6.270	-3.37	0.000	0.000 D	-19.53	-2.49	-2.49	1.88
	Fu.C.18	0.00			-0.09	0.000	0.000 D	-21.85	-0.01	-0.01	-0.01
	Fu.C.19	0.00			-41.67	0.000	0.000 D	-151.06	-3.79	-3.79	-3.79
S6	Fu.C.20	0.00			-77.31	0.000	0.000 D	-151.04	-7.03	-7.03	-7.03
	Fu.C.22	0.00			-0.07	0.000	0.000 D	-12.04	-0.01	-0.01	-0.01
	Fu.C.2	12.60			0.00	0.000	0.000 T	5.42	-7.26	-9.55	-9.55
	Fu.C.3	12.60			0.00	0.000	0.000 T	5.48	-7.26	-9.55	-9.55
	Fu.C.4	8.25			0.00	0.000	0.000 T	5.42	-4.75	-6.25	-6.25
	Fu.C.6	25.72			0.00	0.000	0.000 D	-0.92	-14.81	-19.49	-19.49
	Fu.C.10	-12.04			0.00	0.000	0.000 D	-3.74	6.93	9.12	9.12
	Fu.C.11	-12.04			0.00	0.000	0.000 D	-1.14	6.93	9.12	9.12
	Fu.C.12	-16.39			0.00	0.000	0.000 D	-3.74	9.44	12.42	12.42
	Fu.C.14	1.08			0.00	0.000	0.000 D	-9.04	-0.62	-0.82	-0.82
	Fu.C.16	-3.27			0.00	0.000	0.000 D	-9.04	1.88	2.48	2.48
	Fu.C.18	0.01			0.00	0.000	0.000 D	-11.36	-0.01	-0.01	-0.01
Fu.C.19	25.93			0.00	0.000	0.000 D	-5.57	-17.29	-17.29	-17.29	
Fu.C.20	-9.71			0.00	0.000	0.000 D	-5.55	6.47	6.47	6.47	
Fu.C.22	0.01			0.00	0.000						

Wopereis Staalbouw					Pos 7 - Eindspant						
--------------------	--	--	--	--	-------------------	--	--	--	--	--	--

Staaf	B.C.	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Vb	Vmax	Ve
S7	Fu.C.2	0.00			-0.07	0.000	0.000 -	0.00	0.00	-0.30	-0.30
	Fu.C.3	0.00			-0.07	0.000	0.000 -	0.00	0.00	-0.30	-0.30
	Fu.C.4	0.00			-0.07	0.000	0.000 -	0.00	0.00	-0.30	-0.30
	Fu.C.6	0.00			-0.10	0.000	0.000 -	0.00	0.00	-0.40	-0.40
	Fu.C.10	0.00			-0.07	0.000	0.000 -	0.00	0.00	-0.30	-0.30
	Fu.C.11	0.00			-0.07	0.000	0.000 -	0.00	0.00	-0.30	-0.30
	Fu.C.12	0.00			-0.07	0.000	0.000 -	0.00	0.00	-0.30	-0.30
	Fu.C.14	0.00			-0.10	0.000	0.000 -	0.00	0.00	-0.40	-0.40
	Fu.C.16	0.00			-0.10	0.000	0.000 -	0.00	0.00	-0.40	-0.40
	Fu.C.18	0.00			-0.10	0.000	0.000 -	0.00	0.00	-0.40	-0.40
	Fu.C.19	0.00			-67.60	0.000	0.000 D	-13.50	-135.00	-135.40	-135.40
	Fu.C.20	0.00			-67.60	0.000	0.000 T	13.50	-135.00	-135.40	-135.40
S8	Fu.C.22	0.00			-0.07	0.000	0.000 -	0.00	0.00	-0.30	-0.30
	Fu.C.2	0.00	28.56	6.254	12.11	0.000	0.000 D	-11.82	9.13	9.13	-6.93
	Fu.C.3	0.00	28.56	6.254	12.11	0.000	0.000 D	-9.22	9.13	9.13	-6.93
	Fu.C.4	0.00	38.86	6.253	16.46	0.000	0.000 D	-11.82	12.43	12.43	-9.44
	Fu.C.6	0.00	-2.48	6.189	-0.98	0.000	0.000 D	-19.76	-0.80	-0.80	0.62
	Fu.C.10	0.00	-29.78	6.246	-12.53	0.000	0.000 T	4.25	-9.53	-9.53	7.26
	Fu.C.11	0.00	-29.78	6.246	-12.53	0.000	0.000 T	4.31	-9.53	-9.53	7.26
	Fu.C.12	0.00	-19.48	6.244	-8.18	0.000	0.000 T	4.25	-6.24	-6.24	4.75
	Fu.C.14	0.00	-60.82	6.247	-25.62	0.000	0.000 D	-11.25	-19.47	-19.47	14.81
	Fu.C.16	0.00	-50.53	6.247	-21.28	0.000	0.000 D	-11.25	-16.18	-16.18	12.31
	Fu.C.18	0.00			0.09	0.000	0.000 D	-21.85	0.01	0.01	0.01
	Fu.C.19	0.00			77.31	0.000	0.000 D	-151.07	7.03	7.03	7.03
S9	Fu.C.20	0.00			41.67	0.000	0.000 D	-151.03	3.79	3.79	3.79
	Fu.C.22	0.00			0.07	0.000	0.000 D	-12.04	0.01	0.01	0.01
	Fu.C.2	12.04			0.00	0.000	0.000 D	-3.96	-6.93	-9.12	-9.12
	Fu.C.3	12.04			0.00	0.000	0.000 D	-1.37	-6.93	-9.12	-9.12
	Fu.C.4	16.39			0.00	0.000	0.000 D	-3.96	-9.44	-12.42	-12.42
	Fu.C.6	-1.08			0.00	0.000	0.000 D	-9.27	0.62	0.82	0.82
	Fu.C.10	-12.60			0.00	0.000	0.000 T	5.58	7.26	9.55	9.55
	Fu.C.11	-12.60			0.00	0.000	0.000 T	5.64	7.26	9.55	9.55
	Fu.C.12	-8.25			0.00	0.000	0.000 T	5.58	4.75	6.25	6.25
	Fu.C.14	-25.72			0.00	0.000	0.000 D	-0.76	14.81	19.49	19.49
	Fu.C.16	-21.37			0.00	0.000	0.000 D	-0.76	12.31	16.19	16.19
	Fu.C.18	-0.01			0.00	0.000	0.000 D	-11.36	0.01	0.01	0.01
S10	Fu.C.19	9.71			0.00	0.000	0.000 D	-5.59	-6.47	-6.47	-6.47
	Fu.C.20	-25.93			0.00	0.000	0.000 D	-5.55	17.29	17.29	17.29
	Fu.C.22	-0.01			0.00	0.000	0.000 D	-4.18	0.01	0.01	0.01
	Fu.C.2	0.00			0.00	4.167	8.333 T	10.98	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	4.167	8.333 T	10.62	0.00	0.00	0.00
	Fu.C.4	0.00			0.00	4.167	8.333 T	10.98	0.00	0.00	0.00
	Fu.C.6	0.00			0.00	4.167	8.333 D	-10.82	0.00	0.00	0.00
	Fu.C.10	0.00			0.00	4.167	8.333 D	-15.08	0.00	0.00	0.00
	Fu.C.11	0.00			0.00	4.167	8.333 D	-7.00	0.00	0.00	0.00
	Fu.C.12	0.00			0.00	4.167	8.333 D	-15.08	0.00	0.00	0.00
	Fu.C.14	0.00			0.00	4.167	8.333 D	-31.35	0.00	0.00	0.00
	Fu.C.16	0.00			0.00	4.167	8.333 D	-31.35	0.00	0.00	0.00
S11	Fu.C.18	0.00			0.00	4.167	8.333 D	-36.39	0.00	0.00	0.00
	Fu.C.19	0.00			0.00	4.167	8.333 D	-19.61	0.00	0.00	0.00
	Fu.C.20	0.00			0.00	4.167	8.333 D	-19.69	0.00	0.00	0.00
	Fu.C.22	0.00			0.00	4.167	8.333 D	-14.68	0.00	0.00	0.00
	Fu.C.2	0.00	-5.65	2.086	7.37	4.712	0.000 D	-142.45	-5.42	5.75	5.75
	Fu.C.3	0.00	-5.78	2.109	7.00	4.785	0.000 D	-142.45	-5.48	5.69	5.69
	Fu.C.4	0.00	-5.65	2.086	7.37	4.712	0.000 D	-139.16	-5.42	5.75	5.75
	Fu.C.6	0.00	1.30	3.780	-1.06	1.579	5.613 D	-152.39	-0.46	-1.91	-1.91
	Fu.C.10	0.00	3.08	2.280	-6.27	4.560	0.000 T	9.32	2.70	-4.71	-4.71
	Fu.C.11	0.00	0.06	1.026	-1.38	2.051	0.000 T	9.32	0.11	-0.55	-0.55
	Fu.C.12	0.00	3.08	2.280	-6.27	4.560	0.000 T	12.62	2.70	-4.71	-4.71
	Fu.C.14	0.00	9.17	2.391	-14.70	4.783	0.000 D	-0.82	7.67	-12.37	-12.37
S14	Fu.C.16	0.00	9.17	2.391	-14.70	4.783	0.000 T	2.68	7.67	-12.37	-12.37
	Fu.C.18	0.00	12.27	2.457	-16.96	4.914	0.000 D	-0.01	9.98	-15.41	-15.41
	Fu.C.19	0.00	5.14	2.451	-7.21	4.901	0.000 D	-17.29	4.19	-6.50	-6.50
	Fu.C.20	0.00	5.09	2.438	-7.34	4.877	0.000 T	6.47	4.17	-6.52	-6.52
	Fu.C.22	0.00	3.87	2.457	-5.35	4.914	0.000 D	-0.01	3.15	-4.86	-4.86
	Fu.C.2	7.37	-3.60	4.195	-0.97	1.793	0.000 D	-142.65	-5.23	-5.23	2.56

Wopereis Staalbouw						Pos 7 - Eindspant					
--------------------	--	--	--	--	--	-------------------	--	--	--	--	--

Staaf	B.C.	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Vb	Vmax	Ve
S14	Fu.C.3	7.00	-2.74	3.953	0.55	1.856	6.050 D	-142.65	-4.93	-4.93	2.86
	Fu.C.4	7.37	-3.60	4.195	-0.97	1.793	0.000 D	-139.35	-5.23	-5.23	2.56
	Fu.C.6	-1.06	0.45	1.975	-6.62	0.899	3.050 D	-152.59	1.53	-3.31	-3.31
	Fu.C.10	-6.27	3.61	4.080	0.81	1.614	0.000 T	9.52	4.84	4.84	-2.58
	Fu.C.11	-1.38			2.32	1.655	0.000 T	9.52	0.92	0.92	0.26
	Fu.C.12	-6.27	3.61	4.080	0.81	1.614	0.000 T	12.81	4.84	4.84	-2.58
	Fu.C.14	-14.70	6.27	3.617	-4.84	1.639	5.595 D	-0.62	11.60	11.60	-8.44
	Fu.C.16	-14.70	6.27	3.617	-4.84	1.639	5.595 T	2.87	11.60	11.60	-8.44
	Fu.C.18	-16.96	5.77	3.345	-11.37	1.660	5.031 D	-0.01	13.59	13.59	-11.80
	Fu.C.19	-7.21	2.36	3.346	-4.85	1.683	5.008 D	-17.29	5.73	5.73	-4.97
	Fu.C.20	-7.34	2.45	3.384	-4.58	1.690	5.077 T	6.47	5.79	5.79	-4.91
	Fu.C.22	-5.35	1.82	3.346	-3.59	1.660	5.031 D	-0.01	4.29	4.29	-3.72
S17	Fu.C.2	-0.97	3.05	2.602	-4.85	0.335	4.869 D	-142.84	3.09	-4.33	-4.33
	Fu.C.3	0.55	0.84	2.353	0.04	0.000	0.000 D	-142.84	0.25	-0.41	-0.41
	Fu.C.4	-0.97	3.05	2.602	-4.85	0.335	4.869 D	-139.54	3.09	-4.33	-4.33
	Fu.C.6	-6.62	5.88	2.793	-13.28	0.877	4.708 D	-152.78	8.95	-11.08	-11.08
	Fu.C.10	0.81	-2.82	2.414	6.35	0.286	4.542 D	-142.64	-3.01	4.78	4.78
	Fu.C.11	2.32	-2.07	2.657	5.97	0.832	4.481 D	-142.64	-3.31	4.48	4.48
	Fu.C.12	0.81	-2.82	2.414	6.35	0.286	4.542 D	-139.34	-3.01	4.78	4.78
	Fu.C.14	-4.84	0.44	3.696	-2.08	2.630	4.761 D	-152.58	2.86	2.86	-1.98
	Fu.C.16	-4.84	0.44	3.696	-2.08	2.630	4.761 D	-149.28	2.86	2.86	-1.98
	Fu.C.18	-11.37	5.77	2.905	-16.96	1.219	4.591 D	-0.01	11.80	-13.59	-13.59
	Fu.C.19	-4.85	2.41	2.913	-7.12	1.235	4.591 D	-17.29	4.99	-5.71	-5.71
	Fu.C.20	-4.58	2.44	2.864	-7.37	1.174	4.553 D	-17.29	4.90	-5.79	-5.79
	Fu.C.22	-3.59	1.82	2.905	-5.35	1.219	4.591 D	-0.01	3.72	-4.29	-4.29
S18	Fu.C.2	-4.85	3.62	3.779	0.00	1.307	0.000 T	9.32	4.48	4.48	-2.93
	Fu.C.3	0.04	0.53	3.066	0.00	0.000	0.000 T	9.32	0.32	-0.34	-0.34
	Fu.C.4	-4.85	3.62	3.779	0.00	1.307	0.000 T	12.62	4.48	4.48	-2.93
	Fu.C.6	-13.28	9.72	3.788	0.00	1.325	0.000 D	-0.82	12.14	12.14	-7.89
	Fu.C.10	6.35	-6.00	4.101	0.00	1.335	0.000 D	-142.45	-5.59	-5.59	5.58
	Fu.C.11	5.97	-6.13	4.078	0.00	1.260	0.000 D	-142.45	-5.53	5.64	5.64
	Fu.C.12	6.35	-6.00	4.101	0.00	1.335	0.000 D	-139.16	-5.59	-5.59	5.58
	Fu.C.14	-2.08	0.70	2.682	0.00	1.339	4.105 D	-152.39	2.07	2.07	0.62
	Fu.C.16	-2.08	0.70	2.682	0.00	1.339	4.105 D	-149.10	2.07	2.07	0.62
	Fu.C.18	-16.96	12.27	3.793	0.00	1.336	0.000 D	-0.01	15.41	15.41	-9.98
	Fu.C.19	-7.12	5.18	3.790	0.00	1.331	0.000 T	6.47	6.49	6.49	-4.21
	Fu.C.20	-7.37	5.08	3.814	0.00	1.378	0.000 D	-17.29	6.53	6.53	-4.17
	Fu.C.22	-5.35	3.87	3.793	0.00	1.336	0.000 D	-0.01	4.86	4.86	-3.15
S19	Fu.C.2	0.00	0.98	3.125	0.00	0.000	0.000 D	-152.15	0.63	-0.63	-0.63
	Fu.C.3	0.00	0.98	3.125	0.00	0.000	0.000 D	-152.15	0.63	-0.63	-0.63
	Fu.C.4	0.00	0.98	3.125	0.00	0.000	0.000 D	-152.15	0.63	-0.63	-0.63
	Fu.C.6	0.00	1.31	3.125	0.00	0.000	0.000 D	-152.15	0.84	0.84	-0.84
	Fu.C.10	0.00	0.98	3.125	0.00	0.000	0.000 D	-152.15	0.63	-0.63	-0.63
	Fu.C.11	0.00	0.98	3.125	0.00	0.000	0.000 D	-152.15	0.63	-0.63	-0.63
	Fu.C.12	0.00	0.98	3.125	0.00	0.000	0.000 D	-152.15	0.63	-0.63	-0.63
	Fu.C.14	0.00	1.31	3.125	0.00	0.000	0.000 D	-152.15	0.84	0.84	-0.84
	Fu.C.16	0.00	1.31	3.125	0.00	0.000	0.000 D	-152.15	0.84	0.84	-0.84
	Fu.C.18	0.00	1.31	3.125	0.00	0.000	0.000 D	0.00	0.84	0.84	-0.84
	Fu.C.19	0.00	1.31	3.125	0.00	0.000	0.000 D	-23.76	0.84	0.84	-0.84
	Fu.C.20	0.00	1.31	3.125	0.00	0.000	0.000 D	-23.76	0.84	0.84	-0.84
	Fu.C.22	0.00	0.98	3.125	0.00	0.000	0.000 D	0.00	0.63	-0.63	-0.63
S20	Fu.C.2	0.00			-0.06	0.000	0.000 T	146.86	-0.01	-0.01	-0.01
	Fu.C.3	0.00			-0.06	0.000	0.000 T	150.00	-0.01	-0.01	-0.01
	Fu.C.4	0.00			-0.06	0.000	0.000 T	146.86	-0.01	-0.01	-0.01
	Fu.C.6	0.00			-0.07	0.000	0.000 T	133.54	-0.01	-0.01	-0.01
	Fu.C.10	0.00			0.19	0.000	0.000 D	-311.41	0.03	0.03	0.03
	Fu.C.11	0.00			0.19	0.000	0.000 D	-308.27	0.03	0.03	0.03
	Fu.C.12	0.00			0.19	0.000	0.000 D	-311.41	0.03	0.03	0.03
	Fu.C.14	0.00			0.19	0.000	0.000 D	-325.65	0.03	0.03	0.03
	Fu.C.16	0.00			0.19	0.000	0.000 D	-325.65	0.03	0.03	0.03
	Fu.C.18	0.00			0.00	0.000	0.000 D	-33.62	0.00	0.00	0.00
	Fu.C.19	0.00			-0.01	0.000	0.000 T	7.47	0.00	0.00	0.00
	Fu.C.20	0.00			0.03	0.000	0.000 D	-67.34	0.00	0.00	0.00
	Fu.C.22	0.00			0.00	0.000	0.000 D	-14.95	0.00	0.00	0.00
S21	Fu.C.2	-0.06			0.00	0.000	0.000 D	-3.74	0.01	0.01	0.01
	Fu.C.3	-0.06			0.00	0.000	0.000 T	2.17	0.01	0.01	0.01

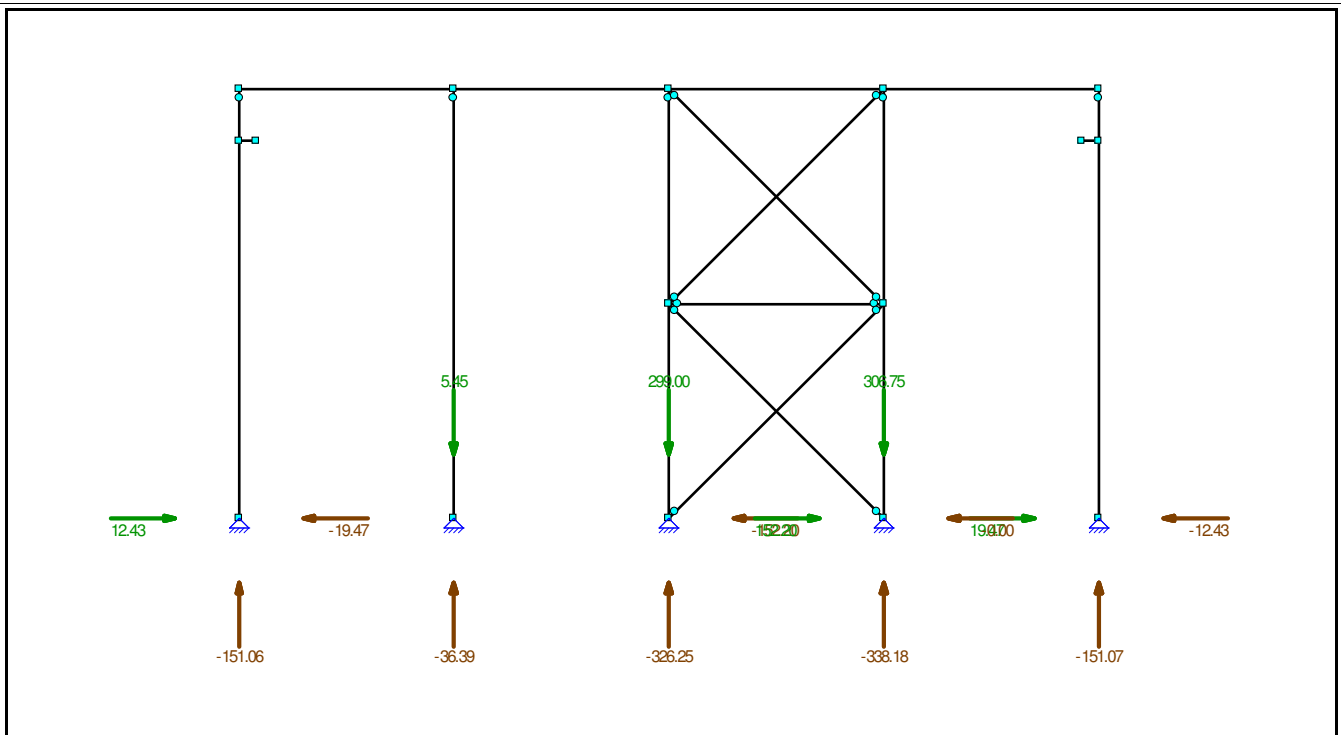
Wopereis Staalbouw							Pos 7 - Eindspant				
--------------------	--	--	--	--	--	--	-------------------	--	--	--	--

Staaf	B.C.	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Vb	Vmax	Ve
S21	Fu.C.4	-0.06			0.00	0.000	0.000 D	-3.74	0.01	0.01	0.01
	Fu.C.6	-0.07			0.00	0.000	0.000 D	-16.55	0.01	0.01	0.01
	Fu.C.10	0.19			0.00	0.000	0.000 D	-154.91	-0.03	-0.03	-0.03
	Fu.C.11	0.19			0.00	0.000	0.000 D	-151.77	-0.03	-0.03	-0.03
	Fu.C.12	0.19			0.00	0.000	0.000 D	-154.91	-0.03	-0.03	-0.03
	Fu.C.14	0.19			0.00	0.000	0.000 D	-167.72	-0.03	-0.03	-0.03
	Fu.C.16	0.19			0.00	0.000	0.000 D	-167.72	-0.03	-0.03	-0.03
	Fu.C.18	0.00			0.00	0.000	0.000 D	-27.90	0.00	0.00	0.00
	Fu.C.19	-0.01			0.00	0.000	0.000 D	-14.25	0.00	0.00	0.00
	Fu.C.20	0.03			0.00	0.000	0.000 D	-37.85	0.00	0.00	0.00
S22	Fu.C.22	0.00			0.00	0.000	0.000 D	-10.66	0.00	0.00	0.00
	Fu.C.2	0.00			-0.19	0.000	0.000 D	-320.65	-0.03	-0.03	-0.03
	Fu.C.3	0.00			-0.19	0.000	0.000 D	-312.57	-0.03	-0.03	-0.03
	Fu.C.4	0.00			-0.19	0.000	0.000 D	-320.65	-0.03	-0.03	-0.03
	Fu.C.6	0.00			-0.19	0.000	0.000 D	-337.58	-0.03	-0.03	-0.03
	Fu.C.10	0.00			0.06	0.000	0.000 T	157.75	0.01	0.01	0.01
	Fu.C.11	0.00			0.06	0.000	0.000 T	157.39	0.01	0.01	0.01
	Fu.C.12	0.00			0.06	0.000	0.000 T	157.75	0.01	0.01	0.01
	Fu.C.14	0.00			0.06	0.000	0.000 T	141.75	0.01	0.01	0.01
	Fu.C.16	0.00			0.06	0.000	0.000 T	141.75	0.01	0.01	0.01
S23	Fu.C.18	0.00			0.00	0.000	0.000 D	-39.02	0.00	0.00	0.00
	Fu.C.19	0.00			-0.03	0.000	0.000 D	-69.73	0.00	0.00	0.00
	Fu.C.20	0.00			0.00	0.000	0.000 T	5.11	0.00	0.00	0.00
	Fu.C.22	0.00			0.00	0.000	0.000 D	-16.65	0.00	0.00	0.00
	Fu.C.2	-0.19			0.00	0.000	0.000 D	-164.15	0.03	0.03	0.03
	Fu.C.3	-0.19			0.00	0.000	0.000 D	-156.08	0.03	0.03	0.03
	Fu.C.4	-0.19			0.00	0.000	0.000 D	-164.15	0.03	0.03	0.03
	Fu.C.6	-0.19			0.00	0.000	0.000 D	-179.64	0.03	0.03	0.03
	Fu.C.10	0.06			0.00	0.000	0.000 T	9.92	-0.01	-0.01	-0.01
	Fu.C.11	0.06			0.00	0.000	0.000 T	9.55	-0.01	-0.01	-0.01
S24	Fu.C.12	0.06			0.00	0.000	0.000 T	9.92	-0.01	-0.01	-0.01
	Fu.C.14	0.06			0.00	0.000	0.000 D	-8.34	-0.01	-0.01	-0.01
	Fu.C.16	0.06			0.00	0.000	0.000 D	-8.34	-0.01	-0.01	-0.01
	Fu.C.18	0.00			0.00	0.000	0.000 D	-33.29	0.00	0.00	0.00
	Fu.C.19	-0.03			0.00	0.000	0.000 D	-40.24	0.00	0.00	0.00
	Fu.C.20	0.00			0.00	0.000	0.000 D	-16.61	0.00	0.00	0.00
	Fu.C.22	0.00			0.00	0.000	0.000 D	-12.36	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	0.000	0.000 T	215.26	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	0.000	0.000 T	215.26	0.00	0.00	0.00
	Fu.C.4	0.00			0.00	0.000	0.000 T	215.26	0.00	0.00	0.00
S25	Fu.C.6	0.00			0.00	0.000	0.000 T	215.26	0.00	0.00	0.00
	Fu.C.10	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.11	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.12	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.14	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.16	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.18	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.19	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.20	0.00			0.00	0.000	0.000 R	33.61	0.00	0.00	0.00
	Fu.C.22	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S26	Fu.C.2	0.00			0.00	0.000	0.000 T	215.14	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	0.000	0.000 T	215.14	0.00	0.00	0.00
	Fu.C.4	0.00			0.00	0.000	0.000 T	215.14	0.00	0.00	0.00
	Fu.C.6	0.00			0.00	0.000	0.000 T	215.14	0.00	0.00	0.00
	Fu.C.10	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.11	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.12	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.14	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.16	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.18	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S26	Fu.C.19	0.00			0.00	0.000	0.000 T	33.59	0.00	0.00	0.00
	Fu.C.20	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.22	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S26	Fu.C.3	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.4	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00

Staal	B.C.	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Vb	Vmax	Ve
S26	Fu.C.6	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.10	0.00			0.00	0.000	0.000 T	215.14	0.00	0.00	0.00
	Fu.C.11	0.00			0.00	0.000	0.000 T	215.14	0.00	0.00	0.00
	Fu.C.12	0.00			0.00	0.000	0.000 T	215.14	0.00	0.00	0.00
	Fu.C.14	0.00			0.00	0.000	0.000 T	215.14	0.00	0.00	0.00
	Fu.C.16	0.00			0.00	0.000	0.000 T	215.14	0.00	0.00	0.00
	Fu.C.18	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.19	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.20	0.00			0.00	0.000	0.000 T	33.59	0.00	0.00	0.00
	Fu.C.22	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S27	Fu.C.2	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.4	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.6	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.10	0.00			0.00	0.000	0.000 T	215.26	0.00	0.00	0.00
	Fu.C.11	0.00			0.00	0.000	0.000 T	215.26	0.00	0.00	0.00
	Fu.C.12	0.00			0.00	0.000	0.000 T	215.26	0.00	0.00	0.00
	Fu.C.14	0.00			0.00	0.000	0.000 T	215.26	0.00	0.00	0.00
	Fu.C.16	0.00			0.00	0.000	0.000 T	215.26	0.00	0.00	0.00
	Fu.C.18	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.19	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.20	0.00			0.00	0.000	0.000 T	33.61	0.00	0.00	0.00
	Fu.C.22	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
-	-	kNm	kNm	m	kNm	m	m -	kN	kN	kN	kN

AFB. FU.C. OPLEGREACTIES / SUPPORT REACTIONS OMHULLENDE

Fundamenteel Belastingscombinaties



FU.C. EXTREME OPLEGREACTIES ANALYSE

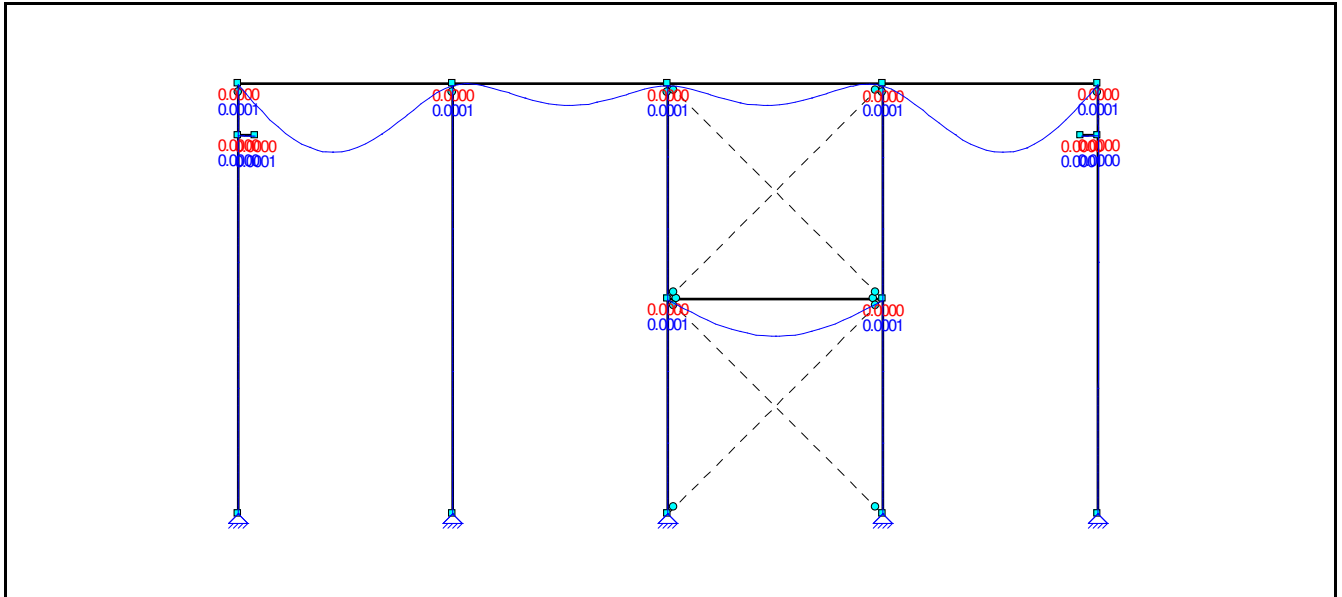
Oplegging	Knoop	B.C.	Xmax	Z	My B.C.	X	Zmax	My B.C.	X	Z	Mymax
O1	K1	Fu.C.12	12.43	-11.59	0.00						
O1	K1	Fu.C.6	-19.47	-11.41	0.00	3.79	-151.06	0.00			
O2	K4	Fu.C.14	19.47	-11.25	0.00						
O2	K4	Fu.C.4	-12.43	-11.82	0.00	-7.03	-151.07	0.00			
O3	K9				Fu.C.4	0.00	5.45	0.00			
O3	K9				Fu.C.18	0.00	-36.39	0.00			
O4	K11				Fu.C.3	-152.20	299.00	0.00			
O4	K11	Fu.C.6	-152.20	281.46	0.00	-0.03	-326.25	0.00			
O5	K13	Fu.C.12	152.20	306.75	0.00	152.20	306.75	0.00			
O5	K13	Fu.C.18	0.00	-39.62	0.00	0.03	-338.18	0.00			

Globale extreme waarden

O5	K13	Fu.C.12	152.20	306.75	0.00									
O4	K11	Fu.C.6	-152.20	281.46	0.00									
O5	K13					Fu.C.10	152.20	306.75	0.00					
O5	K13					Fu.C.6	0.03	-338.18	0.00					
-	-	-	kN	kN	kNm	-	kN	kN	kNm		kN	kN	kNm	

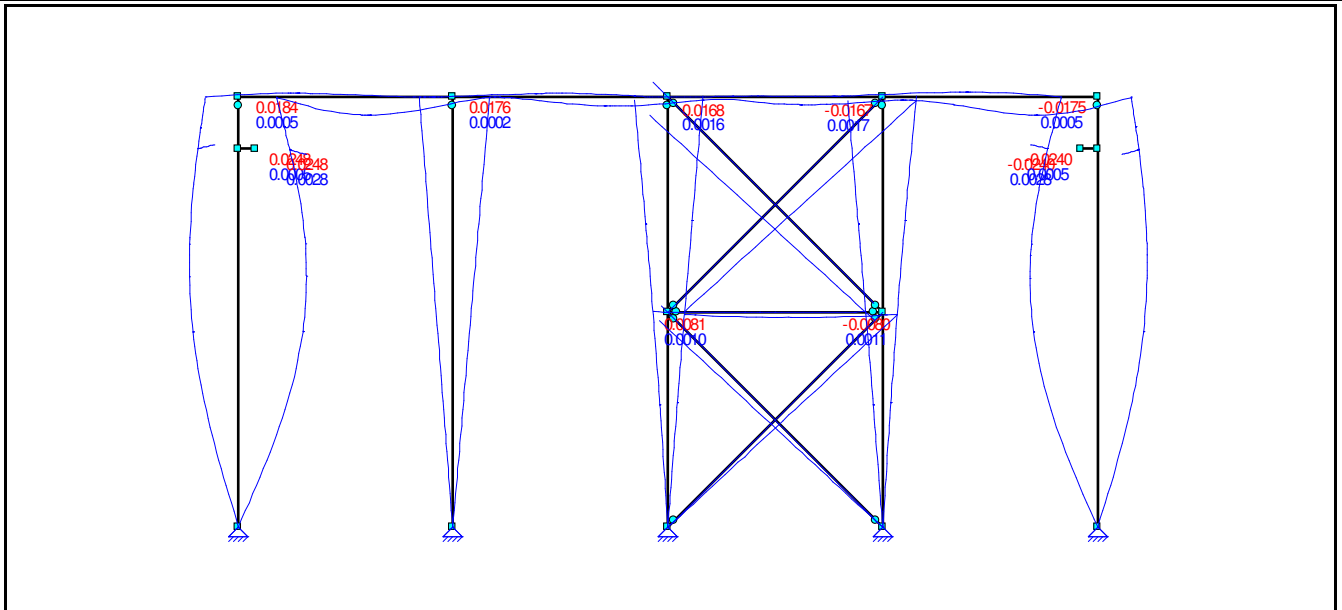
AFB. KA.C.(W1) VERPLAATSINGEN / DISPLACEMENTS

Ka.C.(w1) Belastingscombinaties



AFB. KA.C. VERPLAATSINGEN / DISPLACEMENTS OMHULLENDE

Karakteristiek Belastingscombinaties



KA.C. KNOOPVERPLAATSINGEN ANALYSE

Knoop	B.C.	X	Z	Yr
K1	Ka.C.(w1)	0.0000	0.0000	0.004e-03
	Ka.C.1	0.0000	0.0000	0.004e-03
	Ka.C.3	0.0000	0.0000	-4.332e-03
	Ka.C.4	0.0000	0.0000	-4.327e-03
	Ka.C.5	0.0000	0.0000	-3.332e-03
	Ka.C.7	0.0000	0.0000	-7.355e-03
	Ka.C.8	0.0000	0.0000	-7.350e-03
	Ka.C.11	0.0000	0.0000	4.046e-03
	Ka.C.12	0.0000	0.0000	4.044e-03
	Ka.C.13	0.0000	0.0000	5.045e-03
	Ka.C.15	0.0000	0.0000	1.038e-03
	Ka.C.16	0.0000	0.0000	1.035e-03

Wopereis Staalbouw		Pos 7 - Eindspant
---------------------------	--	--------------------------

Knoop	B.C.	X	Z	Yr
K1	Ka.C.17	0.0000	0.0000	2.037e-03
	Ka.C.19	0.0000	0.0000	0.003e-03
	Ka.C.20	0.0000	0.0000	3.123e-03
	Ka.C.21	0.0000	0.0000	-1.184e-03
	Ka.C.22	0.0000	0.0000	1.187e-03
K2	Ka.C.(w1)	0.0000	0.0001	-2.372e-03
	Ka.C.1	0.0000	0.0001	-2.372e-03
	Ka.C.3	0.0182	0.0000	1.076e-03
	Ka.C.4	0.0181	0.0000	1.150e-03
	Ka.C.5	0.0181	0.0000	1.076e-03
	Ka.C.7	0.0184	0.0000	-0.690e-03
	Ka.C.8	0.0183	0.0000	-0.617e-03
	Ka.C.11	-0.0160	0.0001	-2.008e-03
	Ka.C.12	-0.0160	0.0000	-0.880e-03
	Ka.C.13	-0.0160	0.0001	-2.008e-03
	Ka.C.15	-0.0160	0.0001	-3.774e-03
	Ka.C.16	-0.0159	0.0001	-2.647e-03
	Ka.C.17	-0.0160	0.0001	-3.774e-03
	Ka.C.19	0.0000	0.0001	-4.985e-03
	Ka.C.20	0.0001	0.0005	-2.273e-03
	Ka.C.21	0.0028	0.0001	-2.381e-03
	Ka.C.22	-0.0027	0.0001	-2.356e-03
K3	Ka.C.(w1)	0.0000	0.0001	2.375e-03
	Ka.C.1	0.0000	0.0001	2.375e-03
	Ka.C.3	0.0160	0.0001	2.522e-03
	Ka.C.4	0.0160	0.0000	1.394e-03
	Ka.C.5	0.0160	0.0001	2.522e-03
	Ka.C.7	0.0161	0.0001	4.288e-03
	Ka.C.8	0.0160	0.0001	3.160e-03
	Ka.C.11	-0.0174	0.0000	-1.353e-03
	Ka.C.12	-0.0173	0.0000	-1.426e-03
	Ka.C.13	-0.0173	0.0000	-1.353e-03
	Ka.C.15	-0.0175	0.0000	0.414e-03
	Ka.C.16	-0.0175	0.0000	0.340e-03
	Ka.C.17	-0.0175	0.0000	0.414e-03
	Ka.C.19	0.0000	0.0001	4.988e-03
	Ka.C.20	0.0000	0.0005	2.276e-03
	Ka.C.21	0.0027	0.0001	2.439e-03
	Ka.C.22	-0.0027	0.0001	2.341e-03
K4	Ka.C.(w1)	0.0000	0.0000	-0.007e-03
	Ka.C.1	0.0000	0.0000	-0.007e-03
	Ka.C.3	0.0000	0.0000	-4.048e-03
	Ka.C.4	0.0000	0.0000	-4.042e-03
	Ka.C.5	0.0000	0.0000	-5.045e-03
	Ka.C.7	0.0000	0.0000	-1.046e-03
	Ka.C.8	0.0000	0.0000	-1.040e-03
	Ka.C.11	0.0000	0.0000	4.268e-03
	Ka.C.12	0.0000	0.0000	4.266e-03
	Ka.C.13	0.0000	0.0000	3.270e-03
	Ka.C.15	0.0000	0.0000	7.285e-03
	Ka.C.16	0.0000	0.0000	7.283e-03
	Ka.C.17	0.0000	0.0000	6.286e-03
	Ka.C.19	0.0000	0.0000	-0.009e-03
	Ka.C.20	0.0000	0.0000	-3.128e-03
	Ka.C.21	0.0000	0.0000	-1.185e-03
	Ka.C.22	0.0000	0.0000	1.176e-03
K5	Ka.C.(w1)	0.0000	0.0000	-0.010e-03
	Ka.C.1	0.0000	0.0000	-0.010e-03
	Ka.C.3	0.0202	0.0000	1.193e-03
	Ka.C.4	0.0201	0.0000	1.198e-03
	Ka.C.5	0.0187	0.0000	0.280e-03
	Ka.C.7	0.0248	0.0000	3.940e-03
	Ka.C.8	0.0247	0.0000	3.945e-03
	Ka.C.11	-0.0181	0.0000	-1.267e-03
	Ka.C.12	-0.0181	0.0000	-1.270e-03
	Ka.C.13	-0.0196	0.0000	-2.181e-03
	Ka.C.15	-0.0137	0.0001	1.494e-03
	Ka.C.16	-0.0137	0.0001	1.492e-03
	Ka.C.17	-0.0152	0.0001	0.580e-03
	Ka.C.19	0.0000	0.0001	-0.011e-03
	Ka.C.20	-0.0065	0.0005	-4.476e-03

Knoop	B.C.	X	Z	Yr
K5	Ka.C.21	0.0047	0.0000	1.078e-03
	Ka.C.22	-0.0047	0.0000	-1.102e-03
K6	Ka.C.(w1)	0.0000	0.0001	-0.010e-03
	Ka.C.1	0.0000	0.0001	-0.010e-03
	Ka.C.3	0.0202	-0.0006	1.193e-03
	Ka.C.4	0.0201	-0.0006	1.198e-03
	Ka.C.5	0.0187	-0.0001	0.280e-03
	Ka.C.7	0.0248	-0.0019	3.940e-03
	Ka.C.8	0.0247	-0.0019	3.945e-03
	Ka.C.11	-0.0181	0.0007	-1.268e-03
	Ka.C.12	-0.0181	0.0007	-1.270e-03
	Ka.C.13	-0.0196	0.0011	-2.182e-03
	Ka.C.15	-0.0137	-0.0007	1.494e-03
	Ka.C.16	-0.0137	-0.0007	1.491e-03
	Ka.C.17	-0.0152	-0.0002	0.580e-03
	Ka.C.19	0.0000	0.0001	-0.012e-03
	Ka.C.20	-0.0065	0.0028	-4.708e-03
	Ka.C.21	0.0047	-0.0005	1.078e-03
	Ka.C.22	-0.0047	0.0006	-1.102e-03
K7	Ka.C.(w1)	0.0000	0.0001	0.007e-03
	Ka.C.1	0.0000	0.0001	0.007e-03
	Ka.C.3	0.0181	0.0007	1.266e-03
	Ka.C.4	0.0181	0.0007	1.271e-03
	Ka.C.5	0.0196	0.0011	2.182e-03
	Ka.C.7	0.0138	-0.0007	-1.502e-03
	Ka.C.8	0.0137	-0.0007	-1.496e-03
	Ka.C.11	-0.0195	-0.0006	-1.256e-03
	Ka.C.12	-0.0195	-0.0006	-1.259e-03
	Ka.C.13	-0.0180	-0.0002	-0.342e-03
	Ka.C.15	-0.0240	-0.0020	-4.010e-03
	Ka.C.16	-0.0240	-0.0020	-4.012e-03
	Ka.C.17	-0.0225	-0.0015	-3.096e-03
	Ka.C.19	0.0000	0.0001	0.005e-03
	Ka.C.20	0.0065	0.0028	4.703e-03
	Ka.C.21	0.0046	0.0006	1.104e-03
	Ka.C.22	-0.0046	-0.0005	-1.085e-03
K8	Ka.C.(w1)	0.0000	0.0000	0.007e-03
	Ka.C.1	0.0000	0.0000	0.007e-03
	Ka.C.3	0.0181	0.0000	1.266e-03
	Ka.C.4	0.0181	0.0000	1.271e-03
	Ka.C.5	0.0196	0.0000	2.181e-03
	Ka.C.7	0.0138	0.0001	-1.502e-03
	Ka.C.8	0.0137	0.0001	-1.497e-03
	Ka.C.11	-0.0195	0.0000	-1.257e-03
	Ka.C.12	-0.0195	0.0000	-1.259e-03
	Ka.C.13	-0.0180	0.0000	-0.343e-03
	Ka.C.15	-0.0240	0.0000	-4.010e-03
	Ka.C.16	-0.0240	0.0000	-4.012e-03
	Ka.C.17	-0.0225	0.0000	-3.096e-03
	Ka.C.19	0.0000	0.0001	0.005e-03
	Ka.C.20	0.0065	0.0005	4.471e-03
	Ka.C.21	0.0046	0.0000	1.104e-03
	Ka.C.22	-0.0046	0.0000	-1.086e-03
K9	Ka.C.(w1)	0.0000	0.0000	-0.001e-03
	Ka.C.1	0.0000	0.0000	-0.001e-03
	Ka.C.3	0.0000	0.0000	-1.396e-03
	Ka.C.4	0.0000	0.0000	-1.390e-03
	Ka.C.5	0.0000	0.0000	-1.393e-03
	Ka.C.7	0.0000	0.0000	-1.410e-03
	Ka.C.8	0.0000	0.0000	-1.405e-03
	Ka.C.11	0.0000	0.0000	1.277e-03
	Ka.C.12	0.0000	0.0000	1.275e-03
	Ka.C.13	0.0000	0.0000	1.279e-03
	Ka.C.15	0.0000	0.0000	1.277e-03
	Ka.C.16	0.0000	0.0000	1.275e-03
	Ka.C.17	0.0000	0.0000	1.279e-03
	Ka.C.19	0.0000	0.0000	-0.003e-03
	Ka.C.20	0.0000	0.0000	-0.005e-03
	Ka.C.21	0.0000	0.0000	-0.219e-03
	Ka.C.22	0.0000	0.0000	0.211e-03
K10	Ka.C.(w1)	0.0000	0.0001	0.585e-03

Wopereis Staalbouw		Pos 7 - Eindspant
---------------------------	--	--------------------------

Knoop	B.C.	X	Z	Yr
K10	Ka.C.1	0.0000	0.0001	0.585e-03
	Ka.C.3	0.0174	0.0000	-0.018e-03
	Ka.C.4	0.0174	0.0000	-0.166e-03
	Ka.C.5	0.0174	0.0000	-0.018e-03
	Ka.C.7	0.0176	0.0001	0.418e-03
	Ka.C.8	0.0176	0.0001	0.270e-03
	Ka.C.11	-0.0160	0.0001	0.039e-03
	Ka.C.12	-0.0159	0.0001	-0.110e-03
	Ka.C.13	-0.0160	0.0001	0.039e-03
	Ka.C.15	-0.0160	0.0002	0.475e-03
	Ka.C.16	-0.0159	0.0001	0.326e-03
	Ka.C.17	-0.0160	0.0002	0.475e-03
	Ka.C.19	0.0000	0.0002	1.231e-03
	Ka.C.20	0.0001	0.0001	0.619e-03
	Ka.C.21	0.0027	0.0001	0.603e-03
	Ka.C.22	-0.0026	0.0001	0.552e-03
K11	Ka.C.(w1)	0.0000	0.0000	-0.001e-03
	Ka.C.1	0.0000	0.0000	-0.001e-03
	Ka.C.3	0.0000	0.0000	-1.261e-03
	Ka.C.4	0.0000	0.0000	-1.258e-03
	Ka.C.5	0.0000	0.0000	-1.262e-03
	Ka.C.7	0.0000	0.0000	-1.265e-03
	Ka.C.8	0.0000	0.0000	-1.261e-03
	Ka.C.11	0.0000	0.0000	1.030e-03
	Ka.C.12	0.0000	0.0000	1.029e-03
	Ka.C.13	0.0000	0.0000	1.030e-03
	Ka.C.15	0.0000	0.0000	1.035e-03
	Ka.C.16	0.0000	0.0000	1.033e-03
	Ka.C.17	0.0000	0.0000	1.035e-03
	Ka.C.19	0.0000	0.0000	-0.003e-03
	Ka.C.20	0.0000	0.0000	-0.001e-03
	Ka.C.21	0.0000	0.0000	-0.211e-03
	Ka.C.22	0.0000	0.0000	0.172e-03
K12	Ka.C.(w1)	0.0000	0.0001	-0.002e-03
	Ka.C.1	0.0000	0.0001	-0.002e-03
	Ka.C.3	0.0167	-0.0004	-1.268e-03
	Ka.C.4	0.0166	-0.0004	-0.740e-03
	Ka.C.5	0.0167	-0.0004	-1.268e-03
	Ka.C.7	0.0168	-0.0003	-1.268e-03
	Ka.C.8	0.0168	-0.0004	-0.740e-03
	Ka.C.11	-0.0159	0.0015	1.149e-03
	Ka.C.12	-0.0159	0.0015	0.621e-03
	Ka.C.13	-0.0159	0.0015	1.149e-03
	Ka.C.15	-0.0160	0.0016	1.149e-03
	Ka.C.16	-0.0159	0.0016	0.621e-03
	Ka.C.17	-0.0160	0.0016	1.149e-03
	Ka.C.19	0.0000	0.0002	-0.002e-03
	Ka.C.20	0.0000	0.0001	-0.002e-03
	Ka.C.21	0.0027	0.0000	-0.029e-03
	Ka.C.22	-0.0026	0.0003	0.007e-03
K13	Ka.C.(w1)	0.0000	0.0000	-0.001e-03
	Ka.C.1	0.0000	0.0000	-0.001e-03
	Ka.C.3	0.0000	0.0000	-1.035e-03
	Ka.C.4	0.0000	0.0000	-1.031e-03
	Ka.C.5	0.0000	0.0000	-1.035e-03
	Ka.C.7	0.0000	0.0000	-1.040e-03
	Ka.C.8	0.0000	0.0000	-1.037e-03
	Ka.C.11	0.0000	0.0000	1.256e-03
	Ka.C.12	0.0000	0.0000	1.255e-03
	Ka.C.13	0.0000	0.0000	1.257e-03
	Ka.C.15	0.0000	0.0000	1.259e-03
	Ka.C.16	0.0000	0.0000	1.258e-03
	Ka.C.17	0.0000	0.0000	1.260e-03
	Ka.C.19	0.0000	0.0000	-0.003e-03
	Ka.C.20	0.0000	0.0000	-0.002e-03
	Ka.C.21	0.0000	0.0000	-0.173e-03
	Ka.C.22	0.0000	0.0000	0.210e-03
K14	Ka.C.(w1)	0.0000	0.0001	-0.585e-03
	Ka.C.1	0.0000	0.0001	-0.585e-03
	Ka.C.3	0.0160	0.0016	-0.368e-03
	Ka.C.4	0.0159	0.0015	-0.220e-03

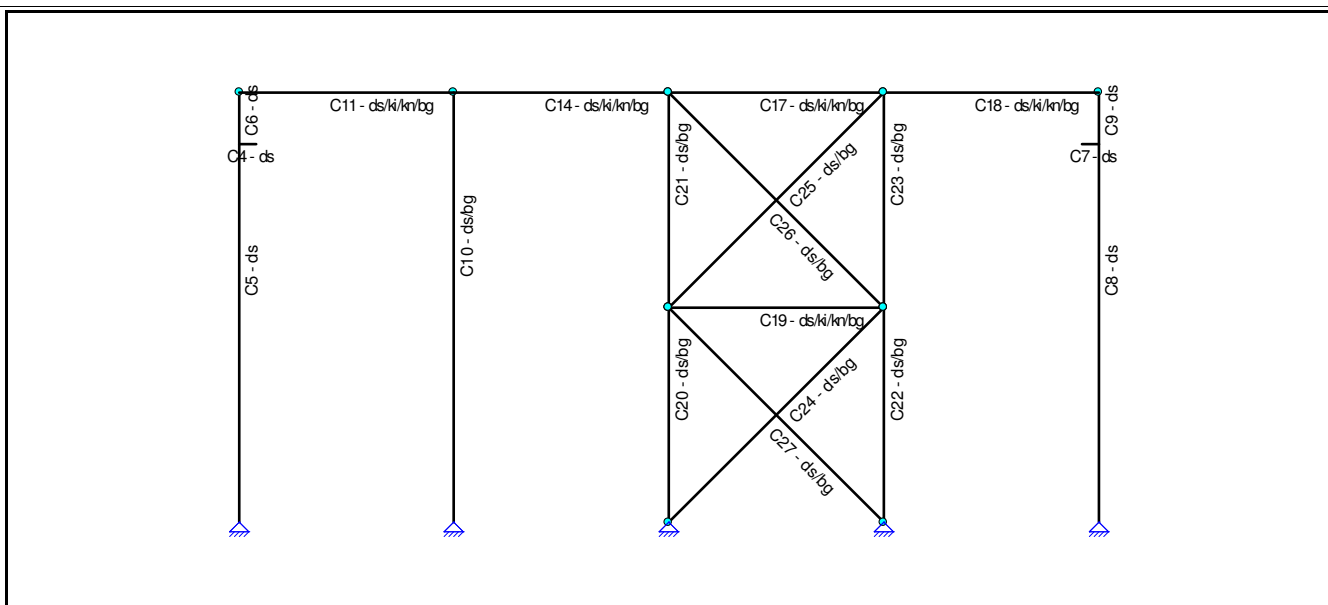
Knoop	B.C.	X	Z	Yr
K14	Ka.C.5	0.0160	0.0016	-0.368e-03
	Ka.C.7	0.0161	0.0017	-0.805e-03
	Ka.C.8	0.0160	0.0016	-0.656e-03
	Ka.C.11	-0.0166	-0.0005	0.348e-03
	Ka.C.12	-0.0166	-0.0005	0.496e-03
	Ka.C.13	-0.0166	-0.0005	0.348e-03
	Ka.C.15	-0.0167	-0.0004	-0.089e-03
	Ka.C.16	-0.0167	-0.0004	0.059e-03
	Ka.C.17	-0.0167	-0.0004	-0.089e-03
	Ka.C.19	0.0000	0.0002	-1.231e-03
	Ka.C.20	0.0000	0.0001	-0.619e-03
	Ka.C.21	0.0026	0.0004	-0.603e-03
	Ka.C.22	-0.0026	0.0001	-0.552e-03
K15	Ka.C.(w1)	0.0000	0.0001	-0.001e-03
	Ka.C.1	0.0000	0.0001	-0.001e-03
	Ka.C.3	0.0080	-0.0004	-1.337e-03
	Ka.C.4	0.0080	-0.0004	-1.332e-03
	Ka.C.5	0.0080	-0.0004	-1.336e-03
	Ka.C.7	0.0081	-0.0004	-1.348e-03
	Ka.C.8	0.0081	-0.0004	-1.342e-03
	Ka.C.11	-0.0069	0.0010	1.273e-03
	Ka.C.12	-0.0069	0.0010	1.271e-03
	Ka.C.13	-0.0069	0.0010	1.273e-03
	Ka.C.15	-0.0070	0.0010	1.278e-03
	Ka.C.16	-0.0070	0.0010	1.275e-03
	Ka.C.17	-0.0070	0.0010	1.278e-03
	Ka.C.19	0.0000	0.0001	-0.003e-03
	Ka.C.20	0.0000	0.0001	-0.003e-03
	Ka.C.21	0.0013	0.0000	-0.214e-03
	Ka.C.22	-0.0011	0.0002	0.206e-03
K16	Ka.C.(w1)	0.0000	0.0001	-0.001e-03
	Ka.C.1	0.0000	0.0001	-0.001e-03
	Ka.C.3	0.0070	0.0010	-1.279e-03
	Ka.C.4	0.0070	0.0010	-1.273e-03
	Ka.C.5	0.0070	0.0010	-1.279e-03
	Ka.C.7	0.0070	0.0011	-1.285e-03
	Ka.C.8	0.0070	0.0011	-1.280e-03
	Ka.C.11	-0.0080	-0.0005	1.332e-03
	Ka.C.12	-0.0080	-0.0005	1.329e-03
	Ka.C.13	-0.0080	-0.0005	1.330e-03
	Ka.C.15	-0.0080	-0.0004	1.340e-03
	Ka.C.16	-0.0080	-0.0004	1.337e-03
	Ka.C.17	-0.0080	-0.0004	1.339e-03
	Ka.C.19	0.0000	0.0001	-0.003e-03
	Ka.C.20	0.0000	0.0001	-0.000e-03
	Ka.C.21	0.0012	0.0002	-0.209e-03
	Ka.C.22	-0.0013	0.0000	0.211e-03
-	-	m	m	rad

KA.C. EXTREME DOORBUIGINGEN ANALYSE

Staaf	B.C.	Knoop Begin		Staaf	Z'	Knoop Eind	
		X	Z			X	Z
S4	Ka.C.20	-0,006	0,001	0.211	0.0000	-0,006	0,003
S5	Ka.C.8	0,000	0,000	5.695	0.0183	0,025	0,000
S5	Ka.C.13	0,000	0,000	5.697	-0.0117	-0,020	0,000
S6	Ka.C.7	0,025	0,000	0.640	0.0001	0,018	0,000
S6	Ka.C.22	-0,005	0,000	0.634	-0.0001	-0,003	0,000
S7	Ka.C.20	0,007	0,003	0.289	0.0000	0,007	0,001
S8	Ka.C.5	0,000	0,000	5.697	0.0117	0,020	0,000
S8	Ka.C.15	0,000	0,000	5.695	-0.0183	-0,024	0,000
S9	Ka.C.15	-0,024	0,000	0.640	-0.0001	-0,018	0,000
S9	Ka.C.21	0,005	0,000	0.634	0.0001	0,003	0,000
S11	Ka.C.4	0,018	0,000	2.509	-0.0017	0,017	0,000
S11	Ka.C.19	0,000	0,000	2.750	0.0084	0,000	0,000
S14	Ka.C.5	0,017	0,000	3.996	-0.0014	0,017	0,000
S14	Ka.C.17	-0,016	0,000	3.530	0.0034	-0,016	0,002
S17	Ka.C.7	0,017	0,000	2.831	0.0032	0,016	0,002
S17	Ka.C.11	-0,016	0,002	2.385	-0.0010	-0,017	0,000
S18	Ka.C.12	-0,017	0,000	3.576	-0.0022	-0,017	0,000

Staal	B.C.	Knoop Begin		Staal		Knoop Eind	
		X	Z	Z'afst	Z'	X	Z
S18	Ka.C.19	0,000	0,000	3.500	0.0084	0,000	0,000
S19	Ka.C.7	0,008	0,000	3.125	0.0021	0,007	0,001
S20	Ka.C.7	0,000	0,000	3.608	-0.0001	0,008	0,000
S20	Ka.C.13	0,000	0,000	3.608	0.0002	-0,007	0,001
S21	Ka.C.7	0,008	0,000	2.642	-0.0001	0,017	0,000
S21	Ka.C.13	-0,007	0,001	2.642	0.0002	-0,016	0,002
S22	Ka.C.7	0,000	0,000	3.608	-0.0002	0,007	0,001
S22	Ka.C.15	0,000	0,000	3.608	0.0001	-0,008	0,000
S23	Ka.C.7	0,007	0,001	2.642	-0.0002	0,016	0,002
S23	Ka.C.15	-0,008	0,000	2.642	0.0001	-0,017	0,000
-	-	m	m	m	m	m	m

AFB. STAALCONTROLE / STEEL CODE CHECK



SAMENSTELLING CONSTRUCTIEDELEN

Constructiedeel	Staal/staven
C4	S4
C5	S5
C6	S6
C7	S7
C8	S8
C9	S9
C10	S10
C11	S11
C14	S14
C17	S17
C18	S18
C19	S19
C20	S20
C21	S21
C22	S22
C23	S23
C24	S24
C25	S25
C26	S26
C27	S27

KNIKLENGTEGEGEVENS

Staal	Profiel	Lokale Y-as				Lokale Z-as			
		Lsys	methode	Lbuc	Lbuc/Lsys	methode	Lbuc	Lbuc/Lsys	

Wopereis Staalbouw		Pos 7 - Eindspant
---------------------------	--	--------------------------

Staaf	Profiel	Lokale Y-as				Lokale Z-as		
		Lsys	methode	Lbuc	Lbuc/Lsys	methode	Lbuc	Lbuc/Lsys
C11 - V1 (0.000-6.250)	P3	6.250	Cons. gesch.	6.250	1.00	Cons. gesch.	6.250	1.00
C14 - V1 (0.000-6.250)	P3	6.250	Cons. gesch.	6.250	1.00	Cons. gesch.	6.250	1.00
C17 - V1 (0.000-6.250)	P3	6.250	Cons. gesch.	6.250	1.00	Cons. gesch.	6.250	1.00
C18 - V1 (0.000-6.250)	P3	6.250	Cons. gesch.	6.250	1.00	Cons. gesch.	6.250	1.00
C19 - V1 (0.000-6.250)	P5	6.250	Cons. gesch.	6.250	1.00	Cons. gesch.	6.250	1.00
-	-	m	-	m	-	-	m	-

KIPSTEUNENGEGEVENS

Staaf	Profiel	Begin:	Eind:	Kipsteunen boven	Kipsteunen onder	Aangrijphoogte
C11 - V1 (0.000-6.250)	P3	Gesteund	Gesteund			Centrum
C14 - V1 (0.000-6.250)	P3	Gesteund	Gesteund			Centrum
C17 - V1 (0.000-6.250)	P3	Gesteund	Gesteund			Centrum
C18 - V1 (0.000-6.250)	P3	Gesteund	Gesteund			Centrum
C19 - V1 (0.000-6.250)	P5	Gesteund	Gesteund			Centrum
-	-	-	-	m	m	-

DOORBUIGINGGEGEVENS

Staaf	Constructietype	Toetsing	Zeeg Y'	Zeeg Z'	Zeegvorm	w;max	w;2+w;3
C10 - V1 (0.000-12.500)	Kolom	1 bouwlaag			Parabolisch	H/300	N/B
C11 - V1 (0.000-6.250)	Vloer	Algemeen	0	0	Parabolisch	L/250	L/333
C14 - V1 (0.000-6.250)	Vloer	Algemeen	0	0	Parabolisch	L/250	L/333
C17 - V1 (0.000-6.250)	Vloer	Algemeen	0	0	Parabolisch	L/250	L/333
C18 - V1 (0.000-6.250)	Vloer	Algemeen	0	0	Parabolisch	L/250	L/333
C19 - V1 (0.000-6.250)	Vloer	Algemeen	0	0	Parabolisch	L/250	L/333
C20 - V1 (0.000-6.250)	Kolom	1 bouwlaag			Parabolisch	H/300	N/B
C21 - V1 (0.000-6.250)	Kolom	1 bouwlaag			Parabolisch	H/300	N/B
C22 - V1 (0.000-6.250)	Kolom	1 bouwlaag			Parabolisch	H/300	N/B
C23 - V1 (0.000-6.250)	Kolom	1 bouwlaag			Parabolisch	H/300	N/B
-	-	-	mm	mm	-	-	-

UNITY CHECK NEN-EN1993-1-1:2016/NB:2016

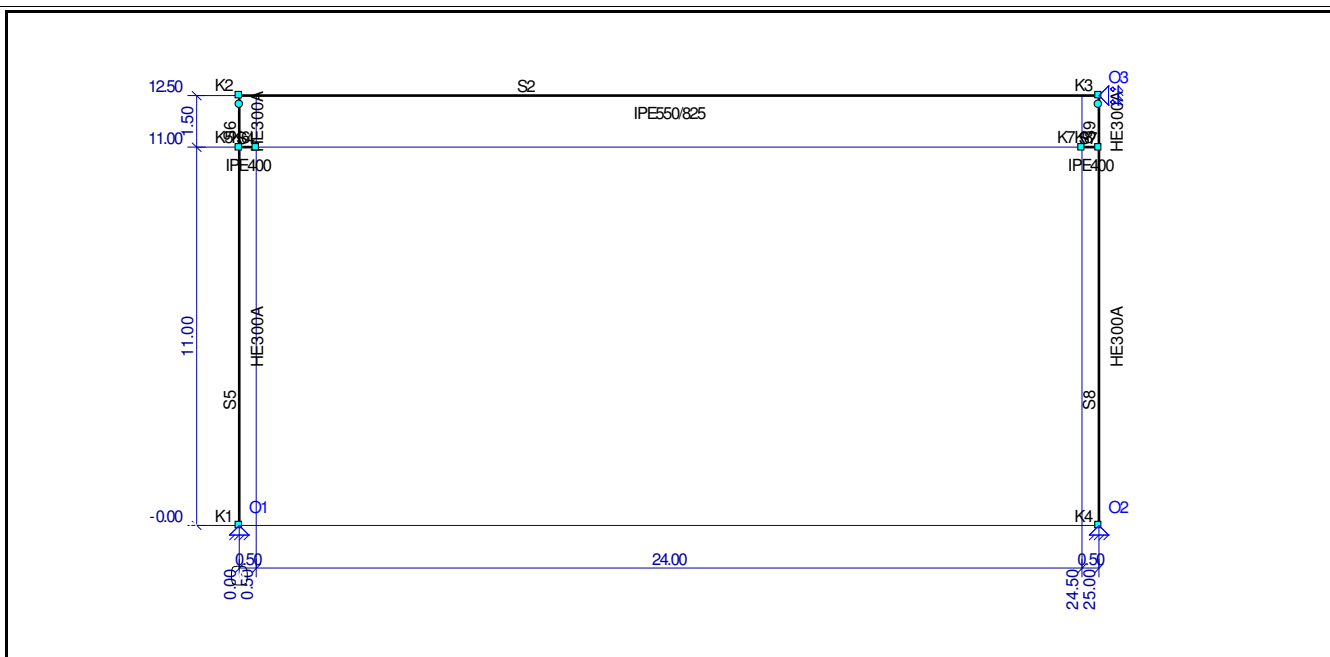
Veld	Toetsing	Combinatie	Artikel	UC max
C4-V1 (0.000-0.500)	Doorsnede	Fu.C.19	NEN-EN1993-1-1(6.17)	0,23
C5-V1 (0.000-11.000)	Doorsnede	Fu.C.20	NEN-EN1993-1-1(6.12)	0,30
C6-V1 (0.000-1.500)	Doorsnede	Fu.C.19	NEN-EN1993-1-1(6.12)	0,10
C7-V1 (0.000-0.500)	Doorsnede	Fu.C.19	NEN-EN1993-1-1(6.17)	0,23
C8-V1 (0.000-11.000)	Doorsnede	Fu.C.19	NEN-EN1993-1-1(6.12)	0,30
C9-V1 (0.000-1.500)	Doorsnede	Fu.C.20	NEN-EN1993-1-1(6.12)	0,10
C10-V1 (0.000-12.500)	Doorsnede	Fu.C.18	NEN-EN1993-1-1(6.9)	0,02
C10-V1 (0.000-12.500)	Doorbuigingstoetsing	Ka.C.7	NEN-EN NEN-EN1990/NB A1.4.2	0,42
C11-V1 (0.000-6.250)	Doorsnede	Fu.C.18	NEN-EN1993-1-1(6.12)	0,29
C11-V1 (0.000-6.250)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,27
C11-V1 (0.000-6.250)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,59
C11-V1 (0.000-6.250)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,72
C11-V1 (0.000-6.250)	Kiptoetsing	Fu.C.18	NEN-EN1993-1-1(6.54)	0,36
C11-V1 (0.000-6.250)	Doorbuigingstoetsing	Qu.C.1	NEN-EN NEN-EN1990/NB A1.4.2	0,16
C14-V1 (0.000-6.250)	Doorsnede	Fu.C.18	NEN-EN1993-1-1(6.12)	0,29
C14-V1 (0.000-6.250)	Stabiliteit	Fu.C.6	NEN-EN1993-1-1(6.46)	0,28
C14-V1 (0.000-6.250)	Stabiliteit	Fu.C.6	NEN-EN1993-1-1(6.46)	0,63
C14-V1 (0.000-6.250)	Stabiliteit	Fu.C.6	NEN-EN1993-1-1(6.61&6.62)	0,71
C14-V1 (0.000-6.250)	Kiptoetsing	Fu.C.18	NEN-EN1993-1-1(6.54)	0,34
C14-V1 (0.000-6.250)	Doorbuigingstoetsing	Qu.C.1	NEN-EN NEN-EN1990/NB A1.4.2	0,05
C17-V1 (0.000-6.250)	Doorsnede	Fu.C.18	NEN-EN1993-1-1(6.12)	0,29
C17-V1 (0.000-6.250)	Stabiliteit	Fu.C.6	NEN-EN1993-1-1(6.46)	0,28
C17-V1 (0.000-6.250)	Stabiliteit	Fu.C.6	NEN-EN1993-1-1(6.46)	0,63

Wopereis Staalbouw		Pos 7 - Eindspant
---------------------------	--	--------------------------

Veld	Toetsing	Combinatie	Artikel	UC max
C17-V1 (0.000-6.250)	Stabiliteit	Fu.C.6	NEN-EN1993-1-1(6.61&6.62)	0,81
C17-V1 (0.000-6.250)	Kiptoetsing	Fu.C.18	NEN-EN1993-1-1(6.54)	0,34
C17-V1 (0.000-6.250)	Doorbuigingstoetsing	Qu.C.1	NEN-EN NEN-EN1990/NB A1.4.2	0,05
C18-V1 (0.000-6.250)	Doorsnede	Fu.C.18	NEN-EN1993-1-1(6.12)	0,29
C18-V1 (0.000-6.250)	Stabiliteit	Fu.C.11	NEN-EN1993-1-1(6.46)	0,27
C18-V1 (0.000-6.250)	Stabiliteit	Fu.C.11	NEN-EN1993-1-1(6.46)	0,59
C18-V1 (0.000-6.250)	Stabiliteit	Fu.C.11	NEN-EN1993-1-1(6.61&6.62)	0,71
C18-V1 (0.000-6.250)	Kiptoetsing	Fu.C.18	NEN-EN1993-1-1(6.54)	0,36
C18-V1 (0.000-6.250)	Doorbuigingstoetsing	Qu.C.1	NEN-EN NEN-EN1990/NB A1.4.2	0,16
C19-V1 (0.000-6.250)	Doorsnede	Fu.C.6	NEN-EN1993-1-1(6.9)	0,23
C19-V1 (0.000-6.250)	Stabiliteit	Fu.C.6	NEN-EN1993-1-1(6.46)	0,49
C19-V1 (0.000-6.250)	Stabiliteit	Fu.C.6	NEN-EN1993-1-1(6.46)	0,49
C19-V1 (0.000-6.250)	Stabiliteit	Fu.C.6	NEN-EN1993-1-1(6.61&6.62)	0,54
C19-V1 (0.000-6.250)	Kiptoetsing	Fu.C.22	NEN-EN1993-1-1(6.54)	0,00
C19-V1 (0.000-6.250)	Doorbuigingstoetsing	Qu.C.1	NEN-EN NEN-EN1990/NB A1.4.2	0,09
C20-V1 (0.000-6.250)	Doorsnede	Fu.C.14	NEN-EN1993-1-1(6.9)	0,22
C20-V1 (0.000-6.250)	Doorbuigingstoetsing	Ka.C.7	NEN-EN NEN-EN1990/NB A1.4.2	0,39
C21-V1 (0.000-6.250)	Doorsnede	Fu.C.16	NEN-EN1993-1-1(6.9)	0,11
C21-V1 (0.000-6.250)	Doorbuigingstoetsing	Ka.C.17	NEN-EN NEN-EN1990/NB A1.4.2	0,43
C22-V1 (0.000-6.250)	Doorsnede	Fu.C.6	NEN-EN1993-1-1(6.9)	0,23
C22-V1 (0.000-6.250)	Doorbuigingstoetsing	Ka.C.15	NEN-EN NEN-EN1990/NB A1.4.2	0,39
C23-V1 (0.000-6.250)	Doorsnede	Fu.C.6	NEN-EN1993-1-1(6.9)	0,12
C23-V1 (0.000-6.250)	Doorbuigingstoetsing	Ka.C.7	NEN-EN NEN-EN1990/NB A1.4.2	0,43
C24-V1 (0.000-8.839)	Doorsnede	Fu.C.6	NEN-EN1993-1-1(6.5)	0,64
C25-V1 (0.000-8.839)	Doorsnede	Fu.C.3	NEN-EN1993-1-1(6.5)	0,64
C26-V1 (0.000-8.839)	Doorsnede	Fu.C.11	NEN-EN1993-1-1(6.5)	0,64
C27-V1 (0.000-8.839)	Doorsnede	Fu.C.14	NEN-EN1993-1-1(6.5)	0,64

Wopereis Staalbouw		Pos 8 - Tussenspanst	
Projectnaam		Projectnummer	
Omschrijving		Constructeur	
Opdrachtgever		Eenheden	m, kN, kNm
Bestand	K:\Engineering Staalbouw\SJOERDKR\Berekeningen\A-1000 - Baltes - Steenderen - Nijverheidsweg 9\STATISCH\20170425 - Hal\20170426 - Pos 8 - Tussenspanst.mxf		

AFB. GEOMETRIE RAAMWERK



STAVEN

STAVEN

Staf	Knoop B	B	Scharnier E	Knoop E	Profiel	X-B	Z-B	X-E	Z-E	Lengte
S2	K2	NVM	NVM	K3	P3	0,000	-12,500	25,000	-12,500	25,000
S4	K5	NVM	NVM	K6	P2	0,000	-11,000	0,500	-11,000	0,500
S5	K1	NVM	NVM	K5	P1	0,000	0,000	0,000	-11,000	11,000
S6	K5	NVM	NV-	K2	P1	0,000	-11,000	0,000	-12,500	1,500
S7	K7	NVM	NVM	K8	P2	24,500	-11,000	25,000	-11,000	0,500
S8	K4	NVM	NVM	K8	P1	25,000	0,000	25,000	-11,000	11,000
S9	K8	NVM	NV-	K3	P1	25,000	-11,000	25,000	-12,500	1,500
-	-	-	-	-	-	m	m	m	m	m

PROFIELEN

Profiel	Profielnaam	Oppervlakte	Iy	Materiaal	Hoek
P1	HE300A	1.1253e-02	1.8263e-04	S235	0,0
P2	IPE400	8.4464e-03	2.3128e-04	S235	0,0
P3	IPE550/825	1.0389e-02	1.5571e-03	S235	0,0
-	-	m2	m4	-	°

PROFIELVORMEN

Profiel	Verl. h.	hB	hE	tf	tw	tf2	B	bL	bR	Raatl.	Hoogte
P3	Nee	0.550	0.550	0.017	0.011	0.017	0.210	0.000	0.000	Ja	0.825
-	-	m	m	m	m	m	m	m	m	-	m

MATERIALEN

Materiaal	Dichtheid	E-Modulus	Uitzettingcoeff
S235	78.50	2.1000e+08	12.0000e-06
-	kN/m3	kN/m2	C°m

PROFIELEN (GEAVANCEERD)

Profiel	Ivv	Avz	Trek	Druk	Kabelelement	Voorspanning
P3	2.6645e-05	4.1816e-03	Ja	Ja	Nee	0.00
-	m4	m2	-	-	-	kN

OPLEGGINGEN

Oplegging	Knoop	X	Z	Yr	HoekYr
O1	K1	vast	vast	vrij	0

Wopereis Staalbouw		Pos 8 - Tussenspanst
---------------------------	--	-----------------------------

Oplegging	Knoop	X	Z	Yr	HoekYr
O2	K4	vast	vast	vrij	0
O3	K3	vast	0.00:0.00	vrij	0
-	-	kN/m	kN/m	kNm/rad	°

GEWICHTSBEREKENING

Index	Staven	Berekening	Waarde	Eenheden
Gemeenschappelijk				
	Belastingen en vervormingen	NEN-EN1991		
Lsys1	Systeemmaat	5.66	5,66	[m]
Height1	Totale hoogte van constructie	12.50	12,50	[m]
Width1	Totale diepte van constructie	25.00	25,00	[m]
Width2	Totale breedte van constructie	33.96	33,96	[m]
LR1 (Permanente Belasting)				
	Permanente Belasting	NEN-EN1991-1-1:2011/NB:2011		
	Plat Dak (S2)			
Pp1	Houten dak + balken	0.4	0,40	[kN/m²]
q1	Permanente Belasting	Pp1*Lsys1	2,26	[kN/m]
LR2 (Opgelegde belastingen)				
	Opgelegde belastingen	NEN-EN1991-1-1:2011/NB:2011		
	S2			
qk1	Opgelegde belastingen (qk)	NEN-EN1991-1-1#6.3(Cat=H)	1,00	[kN/m²]
q2	Opgelegde belastingen (q) (Lsys=5.66)	qk1 * Min(5.0, Lsys1)	5,00	[kN/m]
LR3 (Windbelasting Algemeen)				
	Windbelasting Algemeen	NEN-EN1991-1-4:2011/NB:2011		
Width3	Gemiddelde breedte (b)	37.00	37,00	[m]
Height2	Totale hoogte (incl. gedeelte boven de grond) (h)	12.50	12,50	[m]
Width4	Constructie diepte (d)	25.00	25,00	[m]
Region1	Regio	3	3,00	
Cat1	Terrein	Onbebouwd	2,00	
Co1	Orthografie factor (C0)	1.00	1,00	
CsCd1	Constructie factor (CsCd)	NEN-EN1991-1-4#6(b=Width3,h=Height2,Terrein=Cat1,Regio=Region1,C0=Co1)	0,85	
Cfr1	Wrijvingscoëfficiënt (Cfr)	EN1991-1-4#7.5(Oppervlak=Glad)	0,01	
LR4 (Windbelasting van Links + Overdruk)				
	Windbelasting van Links + Overdruk	NEN-EN1991-1-4:2011/NB:2011		
A1	Belast oppervlak (A)	462.50	462,50	[m²]
Cpe1	Uitwendige druk; Druk coëfficiënt (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D,hd=0.50)	0,80	
Cpi1	Interne druk; Druk coëfficiënt (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe1,Openingen=0.00,Over=True)	0,20	
Z1	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8	12.50	12,50	[m]
Qp1	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z1,Terrein=Cat1,Regio=Region1,C0=Co1)	0,76	[kN/m²]
q3	Wrijving; Verdeelde element belasting (q)	(Cfr1*Qp1) * Lsys1	0,04	[kN/m]
q4	Interne druk; Verdeelde element belasting (q)	(Cpi1*Qp1) * Lsys1	0,86	[kN/m]
Cpe2	Plat dak S2; Druk coëfficiënt (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=G)	-1,20	
q5	Plat dak S2; Verdeelde element belasting (q)	(Qp1*Cpe2*CsCd1) * Lsys1	-4,37	[kN/m]
Cpe3	Plat dak S2; Druk coëfficiënt (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=H)	-0,70	
q6	Plat dak S2; Verdeelde element belasting (q)	(Qp1*Cpe3*CsCd1) * Lsys1	-2,55	[kN/m]
Cpe4	Plat dak S2; Druk coëfficiënt (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=I)	0,20	
q7	Plat dak S2; Verdeelde element belasting (q)	(Qp1*Cpe4*CsCd1) * Lsys1	0,73	[kN/m]
Cpe5	Vertikale wand S5; Druk coëfficiënt (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D,hd=0.50)	0,80	
q8	Vertikale wand S5; Verdeelde element belasting (q)	(Qp1*Cpe5*CsCd1) * Lsys1	2,91	[kN/m]
Cpe6	Vertikale wand S5; Druk coëfficiënt (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.50)	-0,50	
C1	Vertikale wand S5; Druk coëfficiënt (Cpe) incl. correlatiefactor	(Cpe5-Cpe6) * 0.85	1,11	
q9	Vertikale wand S5; Verdeelde element belasting (q)	(Qp1*(Cpe6+C1)*CsCd1) * Lsys1	2,20	[kN/m]
q10	Vertikale wand S8; Verdeelde element belasting (q)	(Qp1*Cpe6*CsCd1) * Lsys1	-1,82	[kN/m]
q11	Vertikale wand S8; Verdeelde element belasting (q)	(Qp1*(Cpe5-C1)*CsCd1) * Lsys1	-1,11	[kN/m]
LR5 (Windbelasting van Links + Overdruk (2e Cpe))				
	Windbelasting van Links + Overdruk (2e Cpe)	NEN-EN1991-1-4:2011/NB:2011		
A2	Belast oppervlak (A)	462.50	462,50	[m²]
Cpe7	Uitwendige druk; Druk coëfficiënt (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D,hd=0.50)	0,80	
Cpi2	Interne druk; Druk coëfficiënt (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe7,Openingen=0.00,Over=True)	0,20	
Z2	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8	12.50	12,50	[m]
Qp2	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z2,Terrein=Cat1,Regio=Region1,C0=Co1)	0,76	[kN/m²]
q12	Wrijving; Verdeelde element belasting (q)	(Cfr1*Qp2) * Lsys1	0,04	[kN/m]
q13	Interne druk; Verdeelde element belasting (q)	(Cpi2*Qp2) * Lsys1	0,86	[kN/m]

Wopereis Staalbouw		Pos 8 - Tussenspan
---------------------------	--	---------------------------

Index	Staven	Berekening	Waarde Eenheden
LR5 (Windbelasting van Links + Overdruk (2e Cpe))			
Cpe8	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=G,E erst=False)	-1,20
q14	Plat dak S2; Verdeelde element belasting (q)	(Qp2*Cpe8*CsCd1) * Lsys1	-4,37 [kN/m]
Cpe9	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=H,E erst=False)	-0,70
q15	Plat dak S2; Verdeelde element belasting (q)	(Qp2*Cpe9*CsCd1) * Lsys1	-2,55 [kN/m]
Cpe10	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=I,Ee rst=False)	-0,20
q16	Plat dak S2; Verdeelde element belasting (q)	(Qp2*Cpe10*CsCd1) * Lsys1	-0,73 [kN/m]
Cpe11	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D, hd=0.50,Eerst=False)	0,80
q17	Vertikale wand S5; Verdeelde element belasting (q)	(Qp2*Cpe11*CsCd1) * Lsys1	2,91 [kN/m]
Cpe12	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E, hd=0.50,Eerst=False)	-0,50
C2	Vertikale wand S5; Druk coefficient (Cpe) incl. correlatiefactor	(Cpe11-Cpe12) * 0.85	1,11
q18	Vertikale wand S5; Verdeelde element belasting (q)	(Qp2*(Cpe12+C2)*CsCd1) * Lsys1	2,20 [kN/m]
q19	Vertikale wand S8; Verdeelde element belasting (q)	(Qp2*Cpe12*CsCd1) * Lsys1	-1,82 [kN/m]
q20	Vertikale wand S8; Verdeelde element belasting (q)	(Qp2*(Cpe11-C2)*CsCd1) * Lsys1	-1,11 [kN/m]
LR6 (Windbelasting van Links + Onderdruk)			
A3	Windbelasting van Links + Onderdruk Belast oppervlak (A)	NEN-EN1991-1-4:2011/NB:2011 462.50	462,50 [m²]
Cpe13	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E, hd=0.50)	-0,50
Cpi3	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe13,Openingen =0.00,Over=False)	-0,30
Z3	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8	12.50	12,50 [m]
Qp3	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z3,Terrein=Cat1,Re gio=Region1,C0=Co1)	0,76 [kN/m²]
q21	Wrijving; Verdeelde element belasting (q)	(Cfr1*Qp3) * Lsys1	0,04 [kN/m]
q22	Interne druk; Verdeelde element belasting (q)	(Cpi3*Qp3) * Lsys1	-1,29 [kN/m]
Cpe14	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=G)	-1,20
q23	Plat dak S2; Verdeelde element belasting (q)	(Qp3*Cpe14*CsCd1) * Lsys1	-4,37 [kN/m]
Cpe15	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=H)	-0,70
q24	Plat dak S2; Verdeelde element belasting (q)	(Qp3*Cpe15*CsCd1) * Lsys1	-2,55 [kN/m]
Cpe16	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=I)	0,20
q25	Plat dak S2; Verdeelde element belasting (q)	(Qp3*Cpe16*CsCd1) * Lsys1	0,73 [kN/m]
Cpe17	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D, hd=0.50)	0,80
q26	Vertikale wand S5; Verdeelde element belasting (q)	(Qp3*Cpe17*CsCd1) * Lsys1	2,91 [kN/m]
Cpe18	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E, hd=0.50)	-0,50
C3	Vertikale wand S5; Druk coefficient (Cpe) incl. correlatiefactor	(Cpe17-Cpe18) * 0.85	1,11
q27	Vertikale wand S5; Verdeelde element belasting (q)	(Qp3*(Cpe18+C3)*CsCd1) * Lsys1	2,20 [kN/m]
q28	Vertikale wand S8; Verdeelde element belasting (q)	(Qp3*Cpe18*CsCd1) * Lsys1	-1,82 [kN/m]
q29	Vertikale wand S8; Verdeelde element belasting (q)	(Qp3*(Cpe17-C3)*CsCd1) * Lsys1	-1,11 [kN/m]
LR7 (Windbelasting van Links + Onderdruk (2e Cpe))			
A4	Windbelasting van Links + Onderdruk (2e Cpe) Belast oppervlak (A)	NEN-EN1991-1-4:2011/NB:2011 462.50	462,50 [m²]
Cpe19	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E, hd=0.50)	-0,50
Cpi4	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe19,Openingen =0.00,Over=False)	-0,30
Z4	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8	12.50	12,50 [m]
Qp4	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z4,Terrein=Cat1,Re gio=Region1,C0=Co1)	0,76 [kN/m²]
q30	Wrijving; Verdeelde element belasting (q)	(Cfr1*Qp4) * Lsys1	0,04 [kN/m]
q31	Interne druk; Verdeelde element belasting (q)	(Cpi4*Qp4) * Lsys1	-1,29 [kN/m]
Cpe20	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=G,E erst=False)	-1,20
q32	Plat dak S2; Verdeelde element belasting (q)	(Qp4*Cpe20*CsCd1) * Lsys1	-4,37 [kN/m]
Cpe21	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=H,E erst=False)	-0,70
q33	Plat dak S2; Verdeelde element belasting (q)	(Qp4*Cpe21*CsCd1) * Lsys1	-2,55 [kN/m]
Cpe22	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=I,Ee rst=False)	-0,20
q34	Plat dak S2; Verdeelde element belasting (q)	(Qp4*Cpe22*CsCd1) * Lsys1	-0,73 [kN/m]
Cpe23	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D, hd=0.50,Eerst=False)	0,80
q35	Vertikale wand S5; Verdeelde element belasting (q)	(Qp4*Cpe23*CsCd1) * Lsys1	2,91 [kN/m]
Cpe24	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E, hd=0.50,Eerst=False)	-0,50
C4	Vertikale wand S5; Druk coefficient (Cpe) incl. correlatiefactor	(Cpe23-Cpe24) * 0.85	1,11
q36	Vertikale wand S5; Verdeelde element belasting (q)	(Qp4*(Cpe24+C4)*CsCd1) * Lsys1	2,20 [kN/m]

Wopereis Staalbouw		Pos 8 - Tussenspan	
Index	Staven	Berekening	Waarde Eenheden
LR7 (Windbelasting van Links + Onderdruk (2e Cpe))			
q37	Vertikale wand S8; Verdeelde element belasting (q)	(Qp4*Cpe24*CsCd1) * Lsys1	-1,82 [kN/m]
q38	Vertikale wand S8; Verdeelde element belasting (q)	(Qp4*(Cpe23-C4)*CsCd1) * Lsys1	-1,11 [kN/m]
LR8 (Windbelasting van Rechts + Overdruk)			
A5	Windbelasting van Rechts + Overdruk Belast oppervlak (A)	NEN-EN1991-1-4:2011/NB:2011 462.50	462,50 [m²]
Cpe25	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D, hd=0.50)	0,80
Cpi5	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe25,Openingen =0.00,Over=True)	0,20
Z5	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8	12.50	12,50 [m]
Qp5	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z5,Terrein=Cat1,Re gio=Region1,C0=Co1)	0,76 [kN/m²]
q39	Wrijving; Verdeelde element belasting (q)	(Cfr1*Qp5) * Lsys1	0,04 [kN/m]
q40	Interne druk; Verdeelde element belasting (q)	(Cpi5*Qp5) * Lsys1	0,86 [kN/m]
Cpe26	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=I)	0,20
q41	Plat dak S2; Verdeelde element belasting (q)	(Qp5*Cpe26*CsCd1) * Lsys1	0,73 [kN/m]
Cpe27	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=H)	-0,70
q42	Plat dak S2; Verdeelde element belasting (q)	(Qp5*Cpe27*CsCd1) * Lsys1	-2,55 [kN/m]
Cpe28	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=G)	-1,20
q43	Plat dak S2; Verdeelde element belasting (q)	(Qp5*Cpe28*CsCd1) * Lsys1	-4,37 [kN/m]
Cpe29	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E, hd=0.50)	-0,50
q44	Vertikale wand S5; Verdeelde element belasting (q)	(Qp5*Cpe29*CsCd1) * Lsys1	-1,82 [kN/m]
Cpe30	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D, hd=0.50)	0,80
C5	Vertikale wand S5; Druk coefficient (Cpe) incl. correlatiefactor	(Cpe30-Cpe29) * 0.85	1,11
q45	Vertikale wand S5; Verdeelde element belasting (q)	(Qp5*(Cpe30-C5)*CsCd1) * Lsys1	-1,11 [kN/m]
q46	Vertikale wand S5; Verdeelde element belasting (q)	(Qp5*(Cpe29+C5)*CsCd1) * Lsys1	2,20 [kN/m]
q47	Vertikale wand S8; Verdeelde element belasting (q)	(Qp5*Cpe30*CsCd1) * Lsys1	2,91 [kN/m]
LR9 (Windbelasting van Rechts + Overdruk (2e Cpe))			
A6	Windbelasting van Rechts + Overdruk (2e Cpe) Belast oppervlak (A)	NEN-EN1991-1-4:2011/NB:2011 462.50	462,50 [m²]
Cpe31	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D, hd=0.50)	0,80
Cpi6	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe31,Openingen =0.00,Over=True)	0,20
Z6	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8	12.50	12,50 [m]
Qp6	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z6,Terrein=Cat1,Re gio=Region1,C0=Co1)	0,76 [kN/m²]
q48	Wrijving; Verdeelde element belasting (q)	(Cfr1*Qp6) * Lsys1	0,04 [kN/m]
q49	Interne druk; Verdeelde element belasting (q)	(Cpi6*Qp6) * Lsys1	0,86 [kN/m]
Cpe32	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=I,Ee rst=False)	-0,20
q50	Plat dak S2; Verdeelde element belasting (q)	(Qp6*Cpe32*CsCd1) * Lsys1	-0,73 [kN/m]
Cpe33	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=H,E erst=False)	-0,70
q51	Plat dak S2; Verdeelde element belasting (q)	(Qp6*Cpe33*CsCd1) * Lsys1	-2,55 [kN/m]
Cpe34	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=G,E erst=False)	-1,20
q52	Plat dak S2; Verdeelde element belasting (q)	(Qp6*Cpe34*CsCd1) * Lsys1	-4,37 [kN/m]
Cpe35	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E, hd=0.50,Eerst=False)	-0,50
q53	Vertikale wand S5; Verdeelde element belasting (q)	(Qp6*Cpe35*CsCd1) * Lsys1	-1,82 [kN/m]
Cpe36	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D, hd=0.50,Eerst=False)	0,80
C6	Vertikale wand S5; Druk coefficient (Cpe) incl. correlatiefactor	(Cpe36-Cpe35) * 0.85	1,11
q54	Vertikale wand S5; Verdeelde element belasting (q)	(Qp6*(Cpe36-C6)*CsCd1) * Lsys1	-1,11 [kN/m]
q55	Vertikale wand S5; Verdeelde element belasting (q)	(Qp6*(Cpe35+C6)*CsCd1) * Lsys1	2,20 [kN/m]
q56	Vertikale wand S8; Verdeelde element belasting (q)	(Qp6*Cpe36*CsCd1) * Lsys1	2,91 [kN/m]
LR10 (Windbelasting van Rechts + Onderdruk)			
A7	Windbelasting van Rechts + Onderdruk Belast oppervlak (A)	NEN-EN1991-1-4:2011/NB:2011 462.50	462,50 [m²]
Cpe37	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E, hd=0.50)	-0,50
Cpi7	Interne druk; Druk coefficient (Cpi)	EN1991-1-4#7.2.9(Cpe=Cpe37,Openingen =0.00,Over=False)	-0,30
Z7	z=h; (h<=b) voor knopen: K1,K2,K3,K4,K5,K6,K7,K8	12.50	12,50 [m]
Qp7	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z7,Terrein=Cat1,Re gio=Region1,C0=Co1)	0,76 [kN/m²]
q57	Wrijving; Verdeelde element belasting (q)	(Cfr1*Qp7) * Lsys1	0,04 [kN/m]
q58	Interne druk; Verdeelde element belasting (q)	(Cpi7*Qp7) * Lsys1	-1,29 [kN/m]
Cpe38	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=I)	0,20

Wopereis Staalbouw		Pos 8 - Tussenspannt
---------------------------	--	-----------------------------

Index	Staven	Berekening	Waarde Eenheden
LR10 (Windbelasting van Rechts + Onderdruk)			
q59	Plat dak S2; Verdeelde element belasting (q)	(Qp7*Cpe38*CsCd1) * Lsys1	0,73 [kN/m]
Cpe39	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=H)	-0,70
q60	Plat dak S2; Verdeelde element belasting (q)	(Qp7*Cpe39*CsCd1) * Lsys1	-2,55 [kN/m]
Cpe40	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=G)	-1,20
q61	Plat dak S2; Verdeelde element belasting (q)	(Qp7*Cpe40*CsCd1) * Lsys1	-4,37 [kN/m]
Cpe41	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.50)	-0,50
q62	Vertikale wand S5; Verdeelde element belasting (q)	(Qp7*Cpe41*CsCd1) * Lsys1	-1,82 [kN/m]
Cpe42	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D,hd=0.50)	0,80
C7	Vertikale wand S5; Druk coefficient (Cpe) incl. correlatiefactor	(Cpe42-Cpe41) * 0.85	1,11
q63	Vertikale wand S5; Verdeelde element belasting (q)	(Qp7*(Cpe42-C7)*CsCd1) * Lsys1	-1,11 [kN/m]
q64	Vertikale wand S5; Verdeelde element belasting (q)	(Qp7*(Cpe41+C7)*CsCd1) * Lsys1	2,20 [kN/m]
q65	Vertikale wand S8; Verdeelde element belasting (q)	(Qp7*Cpe42*CsCd1) * Lsys1	2,91 [kN/m]
LR11 (Windbelasting van Rechts + Onderdruk (2e Cpe))			
	Windbelasting van Rechts + Onderdruk (2e Cpe)	NEN-EN1991-1-4:2011/NB:2011	
A8	Belast oppervlak (A)	462.50	462,50 [m²]
Cpe43	Uitwendige druk; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.50)	-0,50
Cpi8	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	12.50	12,50 [m]
Qp8	Pieksnelheids druk (Qp voor referentieperiode 50)	NEN-EN1991-1-4#4(Z=Z8,Terrein=Cat1,Regio=Region1,C0=Co1)	0,76 [kN/m²]
q66	Wrijving; Verdeelde element belasting (q)	(Cfr1*Qp8) * Lsys1	0,04 [kN/m]
q67	Interne druk; Verdeelde element belasting (q)	(Cpi8*Qp8) * Lsys1	-1,29 [kN/m]
Cpe44	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=I,Eerst=False)	-0,20
q68	Plat dak S2; Verdeelde element belasting (q)	(Qp8*Cpe44*CsCd1) * Lsys1	-0,73 [kN/m]
Cpe45	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=H,Eerst=False)	-0,70
q69	Plat dak S2; Verdeelde element belasting (q)	(Qp8*Cpe45*CsCd1) * Lsys1	-2,55 [kN/m]
Cpe46	Plat dak S2; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Plat,Zone=G,Eerst=False)	-1,20
q70	Plat dak S2; Verdeelde element belasting (q)	(Qp8*Cpe46*CsCd1) * Lsys1	-4,37 [kN/m]
Cpe47	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=E,hd=0.50,Eerst=False)	-0,50
q71	Vertikale wand S5; Verdeelde element belasting (q)	(Qp8*Cpe47*CsCd1) * Lsys1	-1,82 [kN/m]
Cpe48	Vertikale wand S5; Druk coefficient (Cpe)	NEN-EN1991-1-4#7.2(Dak=Wand,Zone=D,hd=0.50,Eerst=False)	0,80
C8	Vertikale wand S5; Druk coefficient (Cpe) incl. correlatiefactor	(Cpe48-Cpe47) * 0.85	1,11
q72	Vertikale wand S5; Verdeelde element belasting (q)	(Qp8*(Cpe48-C8)*CsCd1) * Lsys1	-1,11 [kN/m]
q73	Vertikale wand S5; Verdeelde element belasting (q)	(Qp8*(Cpe47+C8)*CsCd1) * Lsys1	2,20 [kN/m]
q74	Vertikale wand S8; Verdeelde element belasting (q)	(Qp8*Cpe48*CsCd1) * Lsys1	2,91 [kN/m]
LR12 (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
Mu1	Plat dak, Mu1 Hoek: 0.00; S2 Mu1; Sneeuwbelasting coefficient (Mu)	EN1991-1-3#5.3(Dak=Plat,Mu=Mu1,Sk=Sk1)	0,80
q75	Verdeelde element belasting (q)	(Sk1*Ce1*Ct1*Mu1) * Lsys1	3,17 [kN/m]

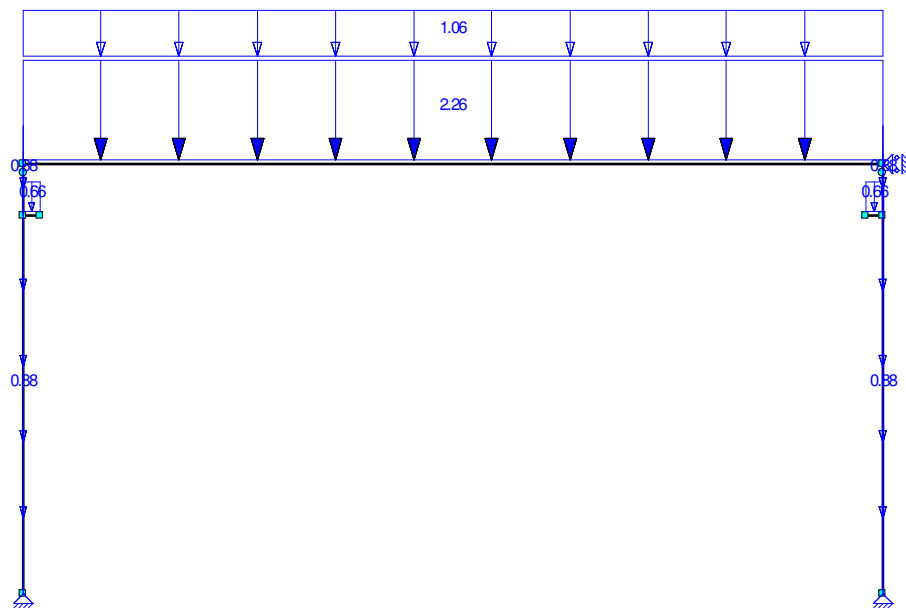
BELASTINGSGEVALLEN TYPEN

Oplegg.	Staven	B.G.Type	Gunstig/Ong.	Element	Niveau	Veld	Psi0	Psi1	Psi2	Cprob
B.G.1	Permanente Belasting	Permanent	-		N.v.t.	N.v.t.				
B.G.2	Opgelegde belastingen. Vloer 2, Veld 1	Verdeelde veranderlijke belasting		Cat. H) Ontoegankelijke daken	2	1				1,00
B.G.3	Windbelasting van Links + Overdruk	Windbelasting	+		N.v.t.	N.v.t.		0.20		1,00
B.G.4	Windbelasting van Links + Overdruk (2e Cpe)	Windbelasting	+		N.v.t.	N.v.t.		0.20		1,00
B.G.5	Windbelasting van Links + Overdruk (2e corr. factor)	Windbelasting	+		N.v.t.	N.v.t.		0.20		1,00
B.G.6	Windbelasting van Links + Overdruk (2e Cpe) (2e corr. factor)	Windbelasting	+		N.v.t.	N.v.t.		0.20		1,00
B.G.7	Windbelasting van Links + Overdruk	Windbelasting	-		N.v.t.	N.v.t.		0.20		1,00
B.G.8	Windbelasting van Links + Overdruk (2e Cpe)	Windbelasting	-		N.v.t.	N.v.t.		0.20		1,00
B.G.9	Windbelasting van Links + Overdruk (2e corr. factor)	Windbelasting	-		N.v.t.	N.v.t.		0.20		1,00

Oplegg.	Staven	B.G.Type	Gunstig/Ong.	Element	Niveau	Veld	Psi0	Psi1	Psi2	Cprob
B.G.10	Windbelasting van Links + Onderdruk (2e Cpe) (2e corr. factor)	Windbelasting	-		N.v.t.	N.v.t.		0.20		1,00
B.G.11	Windbelasting van Rechts + Overdruk	Windbelasting	+		N.v.t.	N.v.t.		0.20		1,00
B.G.12	Windbelasting van Rechts + Overdruk (2e Cpe)	Windbelasting	+		N.v.t.	N.v.t.		0.20		1,00
B.G.13	Windbelasting van Rechts + Overdruk (2e corr. factor)	Windbelasting	+		N.v.t.	N.v.t.		0.20		1,00
B.G.14	Windbelasting van Rechts + Overdruk (2e Cpe) (2e corr. factor)	Windbelasting	+		N.v.t.	N.v.t.		0.20		1,00
B.G.15	Windbelasting van Rechts + Onderdruk	Windbelasting	-		N.v.t.	N.v.t.		0.20		1,00
B.G.16	Windbelasting van Rechts + Onderdruk (2e Cpe)	Windbelasting	-		N.v.t.	N.v.t.		0.20		1,00
B.G.17	Windbelasting van Rechts + Onderdruk (2e corr. factor)	Windbelasting	-		N.v.t.	N.v.t.		0.20		1,00
B.G.18	Windbelasting van Rechts + Onderdruk (2e Cpe) (2e corr. factor)	Windbelasting	-		N.v.t.	N.v.t.		0.20		1,00
B.G.19	Sneeuwbelasting 1	Sneeuwbelasting	-		N.v.t.	N.v.t.		0.20		1,00
B.G.20	Kniklengte	Kniklengte			N.v.t.	N.v.t.				
B.G.21	Mobiele lasten Vert.	Mobiele lasten			N.v.t.	N.v.t.		1.00		1,00
B.G.22	Mobiele lasten hor	Mobiele lasten			N.v.t.	N.v.t.		1.00		1,00
B.G.23	Mobiele lasten hor	Mobiele lasten			N.v.t.	N.v.t.		1.00		1,00

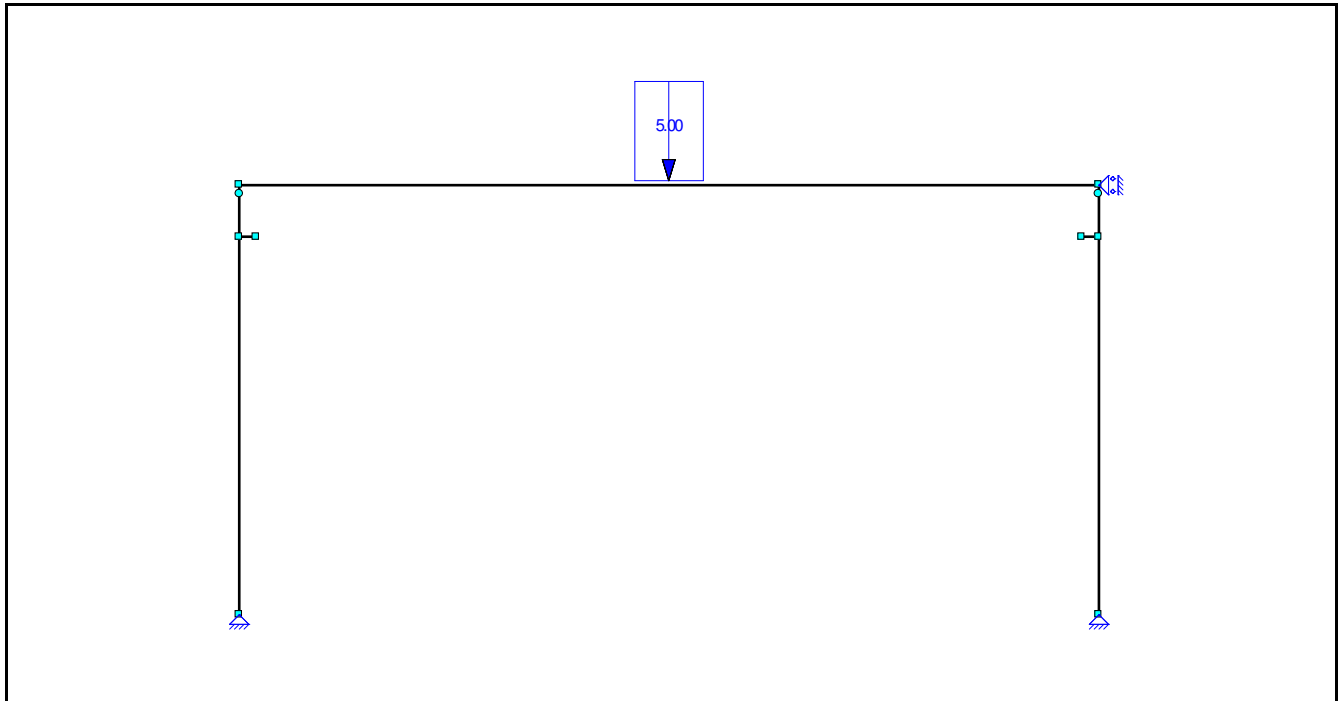
B.G.1: PERMANENTE BELASTING

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.1: Permanente Belasting					
qG	1,06 (1.00x)	1,06 (1.00x)	0,000	25,000(L)	Z" S2
qG	0,66 (1.00x)	0,66 (1.00x)	0,000	0,500(L)	Z" S4,S7
qG	0,88 (1.00x)	0,88 (1.00x)	0,000	11,000(L)	Z" S5,S8
qG	0,88 (1.00x)	0,88 (1.00x)	0,000	1,500(L)	Z" S6,S9
q	2,26 (q1)	2,26 (q1)	0,000	25,000(L)	Z" S2
Som lasten	X: 0,00	kN Z: 105,73	kN		
-	-	-	m	m	- -

B.G.1: PERMANENTE BELASTING

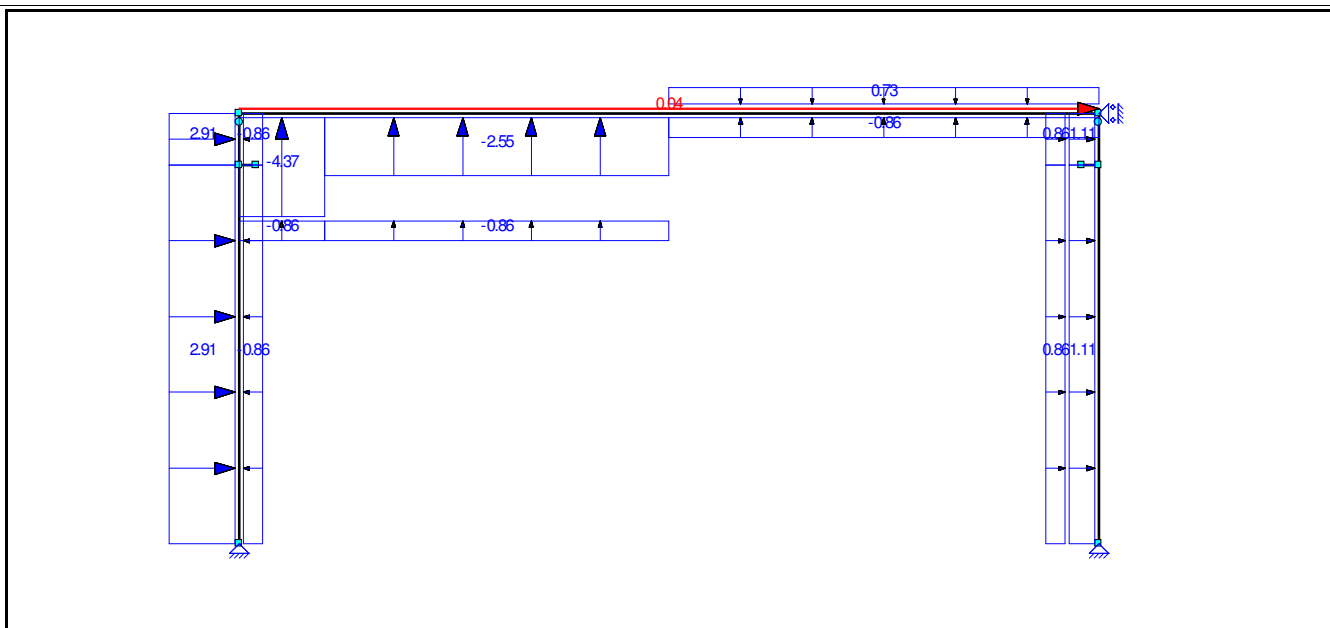
B.G.2: OPGELEGDE BELASTINGEN. VLOER 2, VELD 1

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.2: Opgelegde belastingen. Vloer 2, Veld 1					
q	5,00 (q2)	5,00 (q2)	11,500	13,500	Z" S2
Som lasten	X: 0,00	kN Z: 10,00	kN		
-	-	-	m	m	- -

B.G.2: OPGELEGDE BELASTINGEN. VLOER 2, VELD 1**B.G.3: WINDBELASTING VAN LINKS + OVERDRUK**

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.3: Windbelasting van Links + Overdruk					
q	-4,37 (q5)	-4,37 (q5)	0,000	2,500	Z' S2
q	-0,86 (-q4)	-0,86 (-q4)	0,000	2,500	Z' S2
q	-2,55 (q6)	-2,55 (q6)	2,500	12,500	Z' S2
q	-0,86 (-q4)	-0,86 (-q4)	2,500	12,500	Z' S2
q	0,73 (q7)	0,73 (q7)	12,500	25,000(L)	Z' S2
q	-0,86 (-q4)	-0,86 (-q4)	12,500	25,000(L)	Z' S2
q	0,04 (q3)	0,04 (q3)	0,000	25,000(L)	X' S2
q	2,91 (q8)	2,91 (q8)	0,000	11,000(L)	Z' S5-S6
q	-0,86 (-q4)	-0,86 (-q4)	0,000	11,000(L)	Z' S5-S6
q	1,11 (-q11)	1,11 (-q11)	0,000	11,000(L)	Z' S8-S9
q	0,86 (q4)	0,86 (q4)	0,000	11,000(L)	Z' S8-S9
Som lasten	X: 51,39	kN Z: -48,75	kN		
-	-	-	m	m	- -

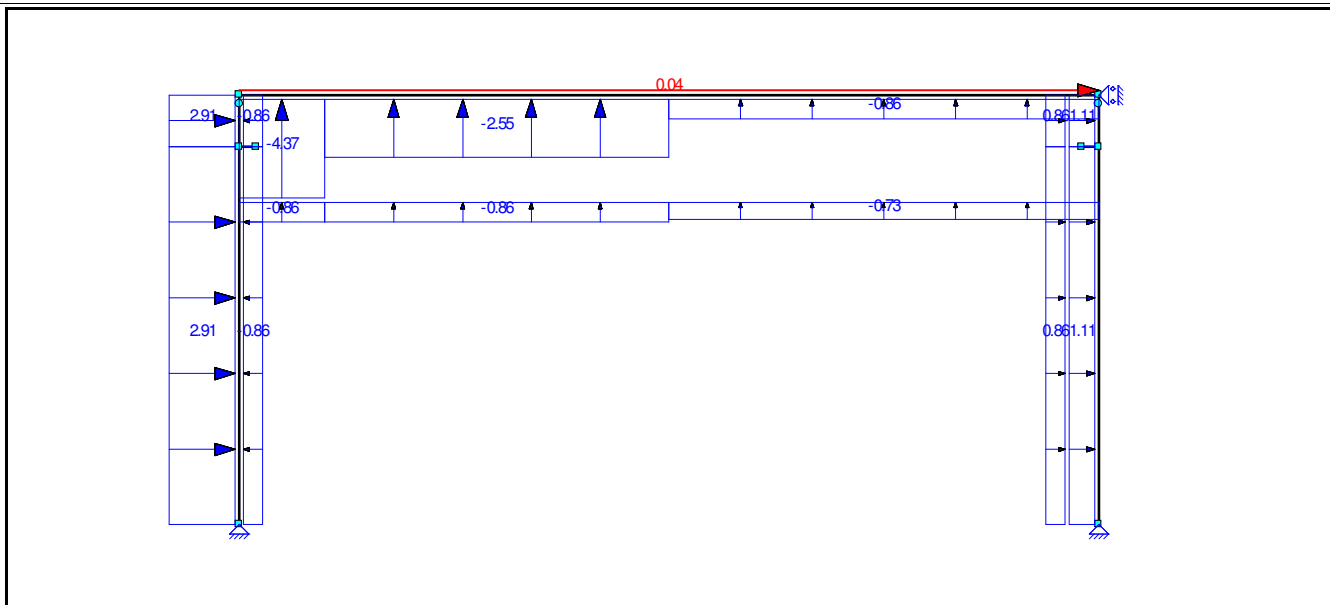
B.G.3: WINDBELASTING VAN LINKS + OVERDRUK



B.G.4: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE)

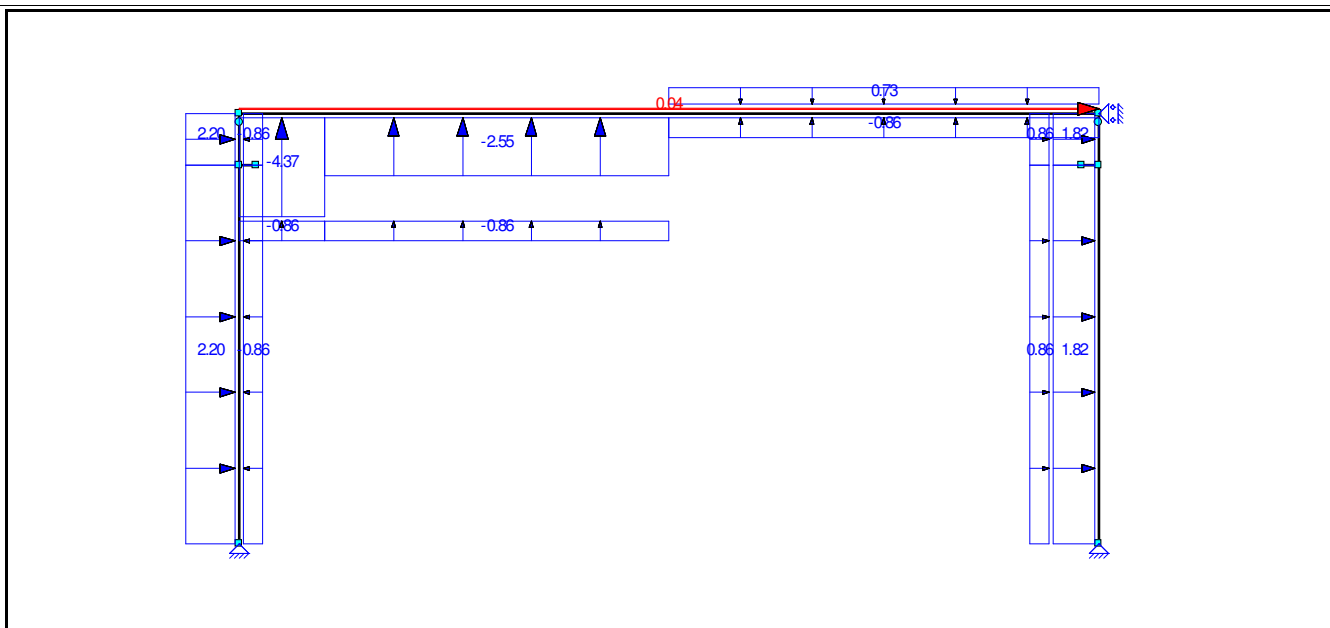
Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.4: Windbelasting van Links + Overdruk (2e Cpe)					
q	-4,37 (q14)	-4,37 (q14)	0,000	2,500	Z' S2
q	-0,86 (-q13)	-0,86 (-q13)	0,000	2,500	Z' S2
q	-2,55 (q15)	-2,55 (q15)	2,500	12,500	Z' S2
q	-0,86 (-q13)	-0,86 (-q13)	2,500	12,500	Z' S2
q	-0,73 (q16)	-0,73 (q16)	12,500	25,000(L)	Z' S2
q	-0,86 (-q13)	-0,86 (-q13)	12,500	25,000(L)	Z' S2
q	0,04 (q12)	0,04 (q12)	0,000	25,000(L)	X' S2
q	2,91 (q17)	2,91 (q17)	0,000	11,000(L)	Z' S5-S6
q	-0,86 (-q13)	-0,86 (-q13)	0,000	11,000(L)	Z' S5-S6
q	1,11 (-q20)	1,11 (-q20)	0,000	11,000(L)	Z' S8-S9
q	0,86 (q13)	0,86 (q13)	0,000	11,000(L)	Z' S8-S9
Som lasten	X: 51,39	kN Z: -66,96	kN		
-	-	-	m	m	- -

B.G.4: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE)



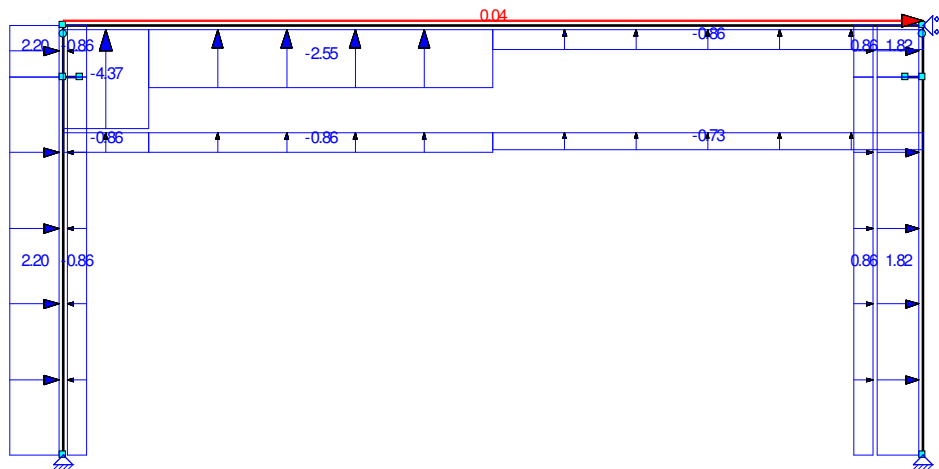
B.G.5: WINDBELASTING VAN LINKS + OVERDRUK (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.5: Windbelasting van Links + Overdruk (2e corr. factor)					
q	2,20 (q9)	2,20 (q9)	0,000	11,000(L)	Z' S5-S6
q	1,82 (-q10)	1,82 (-q10)	0,000	11,000(L)	Z' S8-S9
q	-4,37 (q5)	-4,37 (q5)	0,000	2,500	Z' S2
q	-0,86 (-q4)	-0,86 (-q4)	0,000	2,500	Z' S2
q	-2,55 (q6)	-2,55 (q6)	2,500	12,500	Z' S2
q	-0,86 (-q4)	-0,86 (-q4)	2,500	12,500	Z' S2
q	0,73 (q7)	0,73 (q7)	12,500	25,000(L)	Z' S2
q	-0,86 (-q4)	-0,86 (-q4)	12,500	25,000(L)	Z' S2
q	0,04 (q3)	0,04 (q3)	0,000	25,000(L)	X' S2
q	-0,86 (-q4)	-0,86 (-q4)	0,000	11,000(L)	Z' S5-S6
q	0,86 (q4)	0,86 (q4)	0,000	11,000(L)	Z' S8-S9
Som lasten	X: 51,39	kN Z: -48,75	kN	m	- -
-	-	-	m	m	- -

B.G.5: WINDBELASTING VAN LINKS + OVERDRUK (2E CORR. FACTOR)**B.G.6: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE) (2E CORR. FACTOR)**

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.6: Windbelasting van Links + Overdruk (2e Cpe) (2e corr. factor)					
q	2,20 (q18)	2,20 (q18)	0,000	11,000(L)	Z' S5-S6
q	1,82 (-q19)	1,82 (-q19)	0,000	11,000(L)	Z' S8-S9
q	-4,37 (q14)	-4,37 (q14)	0,000	2,500	Z' S2
q	-0,86 (-q13)	-0,86 (-q13)	0,000	2,500	Z' S2
q	-2,55 (q15)	-2,55 (q15)	2,500	12,500	Z' S2
q	-0,86 (-q13)	-0,86 (-q13)	2,500	12,500	Z' S2
q	-0,73 (q16)	-0,73 (q16)	12,500	25,000(L)	Z' S2
q	-0,86 (-q13)	-0,86 (-q13)	12,500	25,000(L)	Z' S2
q	0,04 (q12)	0,04 (q12)	0,000	25,000(L)	X' S2
q	-0,86 (-q13)	-0,86 (-q13)	0,000	11,000(L)	Z' S5-S6
q	0,86 (q13)	0,86 (q13)	0,000	11,000(L)	Z' S8-S9
Som lasten	X: 51,39	kN Z: -66,96	kN	m	- -
-	-	-	m	m	- -

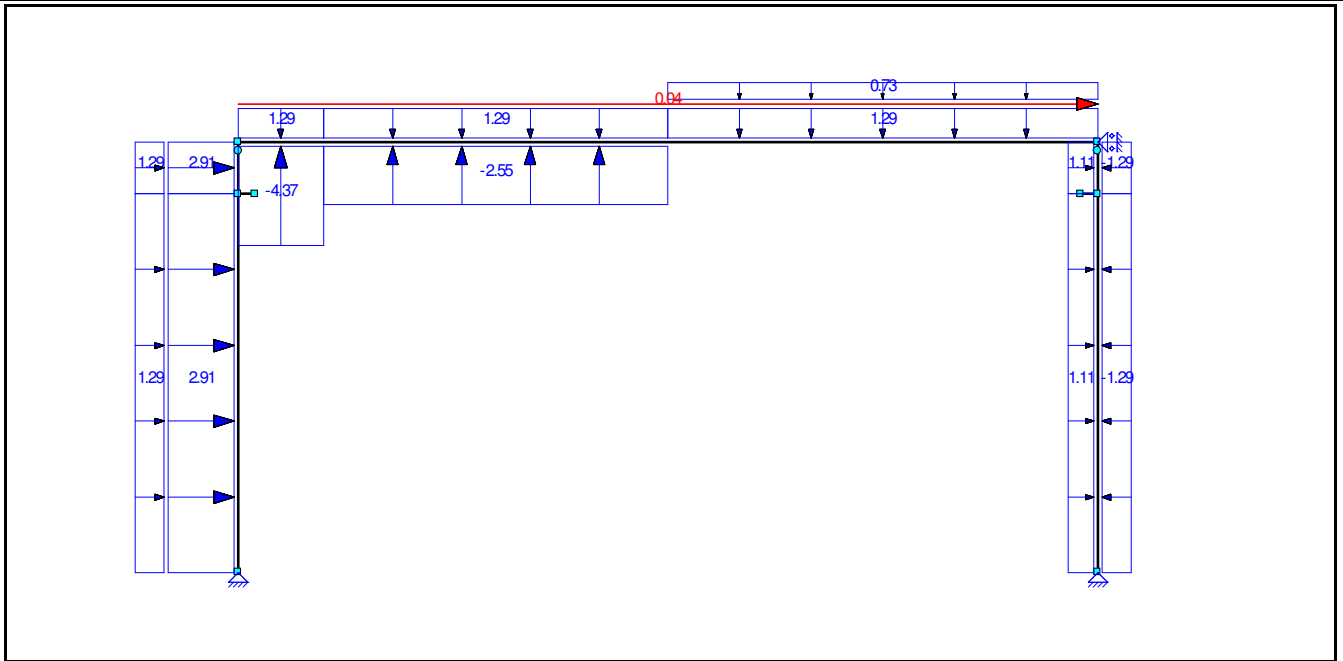
B.G.6: WINDBELASTING VAN LINKS + OVERDRUK (2E CPE) (2E CORR. FACTOR)



B.G.7: WINDBELASTING VAN LINKS + ONDERDRUK

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.7: Windbelasting van Links + Onderdruk					
q	-4,37 (q23)	-4,37 (q23)	0,000	2,500	Z' S2
q	1,29 (-q22)	1,29 (-q22)	0,000	2,500	Z' S2
q	-2,55 (q24)	-2,55 (q24)	2,500	12,500	Z' S2
q	1,29 (-q22)	1,29 (-q22)	2,500	12,500	Z' S2
q	0,73 (q25)	0,73 (q25)	12,500	25,000(L)	Z' S2
q	1,29 (-q22)	1,29 (-q22)	12,500	25,000(L)	Z' S2
q	0,04 (q21)	0,04 (q21)	0,000	25,000(L)	X' S2
q	2,91 (q26)	2,91 (q26)	0,000	11,000(L)	Z' S5-S6
q	1,29 (-q22)	1,29 (-q22)	0,000	11,000(L)	Z' S5-S6
q	1,11 (-q29)	1,11 (-q29)	0,000	11,000(L)	Z' S8-S9
q	-1,29 (q22)	-1,29 (q22)	0,000	11,000(L)	Z' S8-S9
Som lasten	X: 51,39	kN Z: 4,82	kN		
-	-	-	m	m	- -

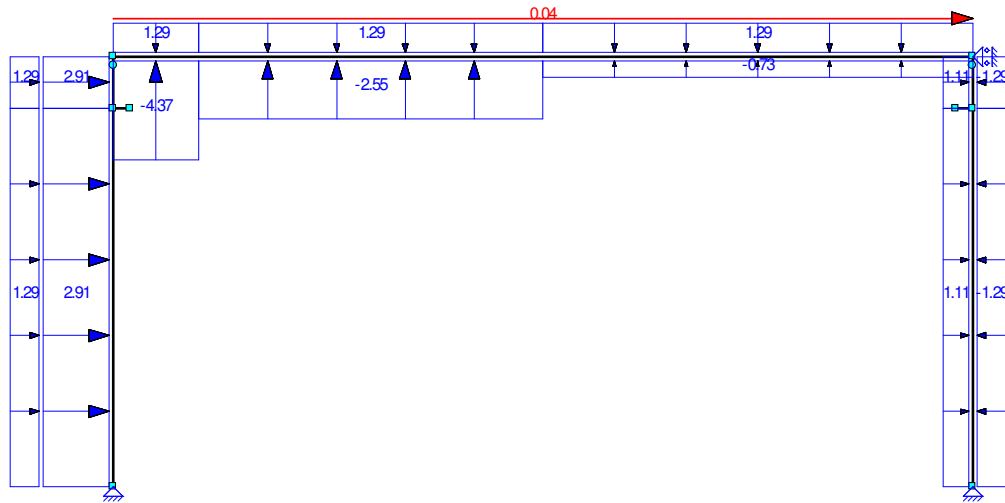
B.G.7: WINDBELASTING VAN LINKS + ONDERDRUK



B.G.8: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.8: Windbelasting van Links + Onderdruk (2e Cpe)					
q	-4,37 (q32)	-4,37 (q32)	0,000	2,500	Z' S2
q	1,29 (-q31)	1,29 (-q31)	0,000	2,500	Z' S2
q	-2,55 (q33)	-2,55 (q33)	2,500	12,500	Z' S2
q	1,29 (-q31)	1,29 (-q31)	2,500	12,500	Z' S2
q	-0,73 (q34)	-0,73 (q34)	12,500	25,000(L)	Z' S2
q	1,29 (-q31)	1,29 (-q31)	12,500	25,000(L)	Z' S2
q	0,04 (q30)	0,04 (q30)	0,000	25,000(L)	X' S2
q	2,91 (q35)	2,91 (q35)	0,000	11,000(L)	Z' S5-S6
q	1,29 (-q31)	1,29 (-q31)	0,000	11,000(L)	Z' S5-S6
q	1,11 (-q38)	1,11 (-q38)	0,000	11,000(L)	Z' S8-S9
q	-1,29 (q31)	-1,29 (q31)	0,000	11,000(L)	Z' S8-S9
Som lasten	X: 51,39	kN Z: -13,39	kN	m	- -
-	-	-	m	m	- -

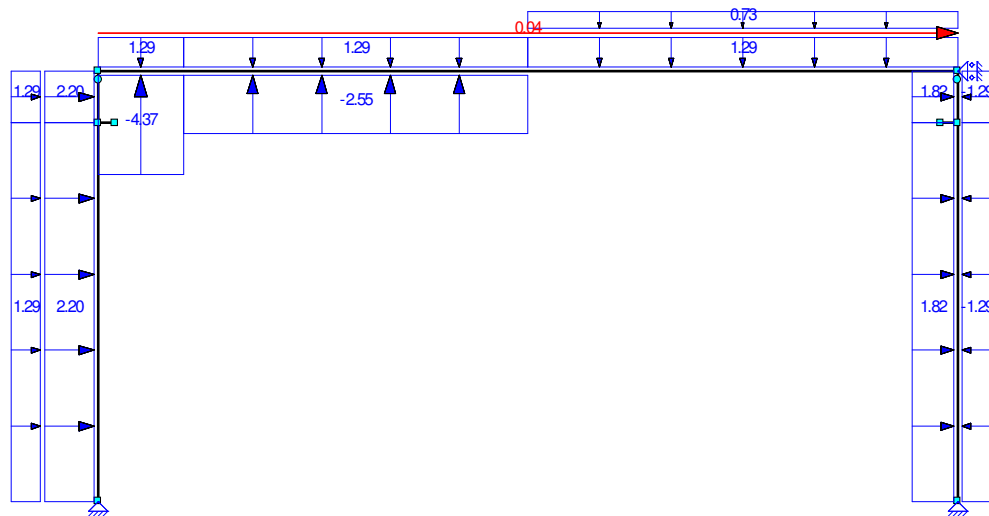
B.G.8: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE)



B.G.9: WINDBELASTING VAN LINKS + ONDERDRUK (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.9: Windbelasting van Links + Onderdruk (2e corr. factor)					
q	2,20 (q27)	2,20 (q27)	0,000	11,000(L)	Z' S5-S6
q	1,82 (-q28)	1,82 (-q28)	0,000	11,000(L)	Z' S8-S9
q	-4,37 (q23)	-4,37 (q23)	0,000	2,500	Z' S2
q	1,29 (-q22)	1,29 (-q22)	0,000	2,500	Z' S2
q	-2,55 (q24)	-2,55 (q24)	2,500	12,500	Z' S2
q	1,29 (-q22)	1,29 (-q22)	2,500	12,500	Z' S2
q	0,73 (q25)	0,73 (q25)	12,500	25,000(L)	Z' S2
q	1,29 (-q22)	1,29 (-q22)	12,500	25,000(L)	Z' S2
q	0,04 (q21)	0,04 (q21)	0,000	25,000(L)	X' S2
q	1,29 (-q22)	1,29 (-q22)	0,000	11,000(L)	Z' S5-S6
q	-1,29 (q22)	-1,29 (q22)	0,000	11,000(L)	Z' S8-S9
Som lasten	X: 51,39	kN Z: 4,82	kN		
-	-	-	m	m	- -

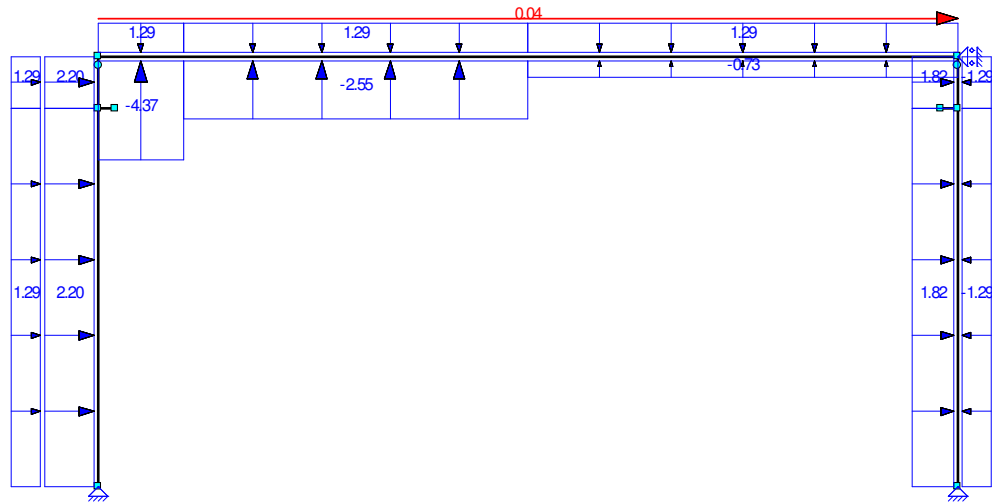
B.G.9: WINDBELASTING VAN LINKS + ONDERDRUK (2E CORR. FACTOR)



B.G.10: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.10: Windbelasting van Links + Onderdruk (2e Cpe) (2e corr. factor)					
q	2,20 (q36)	2,20 (q36)	0,000	11,000(L)	Z' S5-S6
q	1,82 (-q37)	1,82 (-q37)	0,000	11,000(L)	Z' S8-S9
q	-4,37 (q32)	-4,37 (q32)	0,000	2,500	Z' S2
q	1,29 (-q31)	1,29 (-q31)	0,000	2,500	Z' S2
q	-2,55 (q33)	-2,55 (q33)	2,500	12,500	Z' S2
q	1,29 (-q31)	1,29 (-q31)	2,500	12,500	Z' S2
q	-0,73 (q34)	-0,73 (q34)	12,500	25,000(L)	Z' S2
q	1,29 (-q31)	1,29 (-q31)	12,500	25,000(L)	Z' S2
q	0,04 (q30)	0,04 (q30)	0,000	25,000(L)	X' S2
q	1,29 (-q31)	1,29 (-q31)	0,000	11,000(L)	Z' S5-S6
q	-1,29 (q31)	-1,29 (q31)	0,000	11,000(L)	Z' S8-S9
Som lasten	X: 51,39	kN Z: -13,39	kN		
-	-	-	m	m	- -

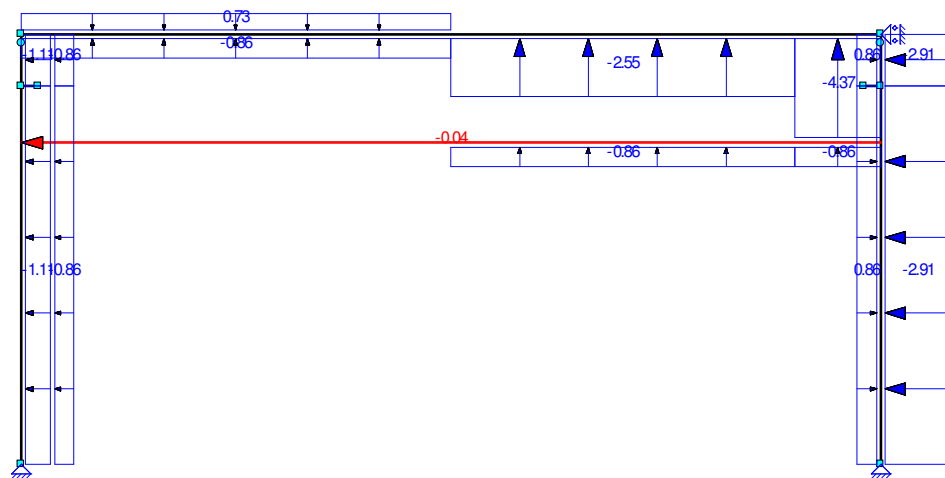
B.G.10: WINDBELASTING VAN LINKS + ONDERDRUK (2E CPE) (2E CORR. FACTOR)



B.G.11: WINDBELASTING VAN RECHTS + OVERDRUK

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.11: Windbelasting van Rechts + Overdruk					
q	0,73 (q41)	0,73 (q41)	0,000	12,500	Z' S2
q	-0,86 (-q40)	-0,86 (-q40)	0,000	12,500	Z' S2
q	-2,55 (q42)	-2,55 (q42)	12,500	22,500	Z' S2
q	-0,86 (-q40)	-0,86 (-q40)	12,500	22,500	Z' S2
q	-4,37 (q43)	-4,37 (q43)	22,500	25,000(L)	Z' S2
q	-0,86 (-q40)	-0,86 (-q40)	22,500	25,000(L)	Z' S2
q	-0,04 (-q39)	-0,04 (-q39)	0,000	25,000(L)	X' S2
q	-1,11 (q45)	-1,11 (q45)	0,000	11,000(L)	Z' S5-S6
q	-0,86 (-q40)	-0,86 (-q40)	0,000	11,000(L)	Z' S5-S6
q	-2,91 (-q47)	-2,91 (-q47)	0,000	11,000(L)	Z' S8-S9
q	0,86 (q40)	0,86 (q40)	0,000	11,000(L)	Z' S8-S9
Som lasten	X: -51,39	kN Z: -48,75	kN		
-	-	-	m	m	- -

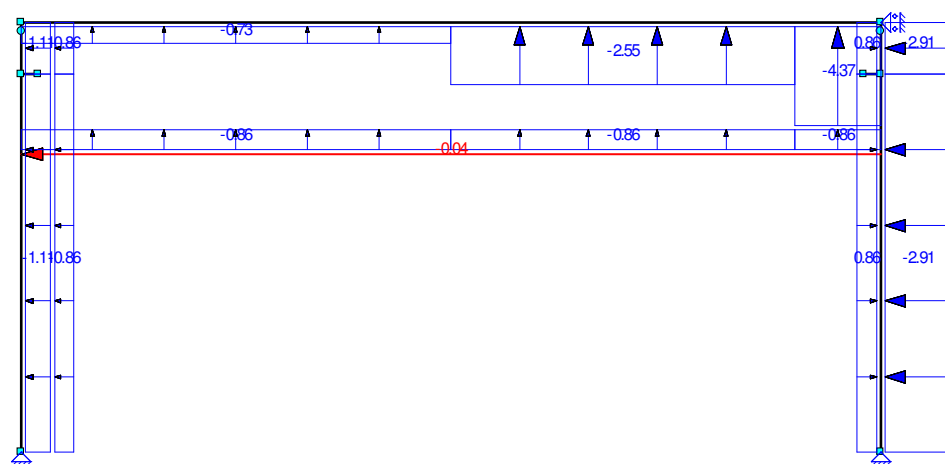
B.G.11: WINDBELASTING VAN RECHTS + OVERDRUK



B.G.12: WINDBELASTING VAN RECHTS + OVERDRUK (2E CPE)

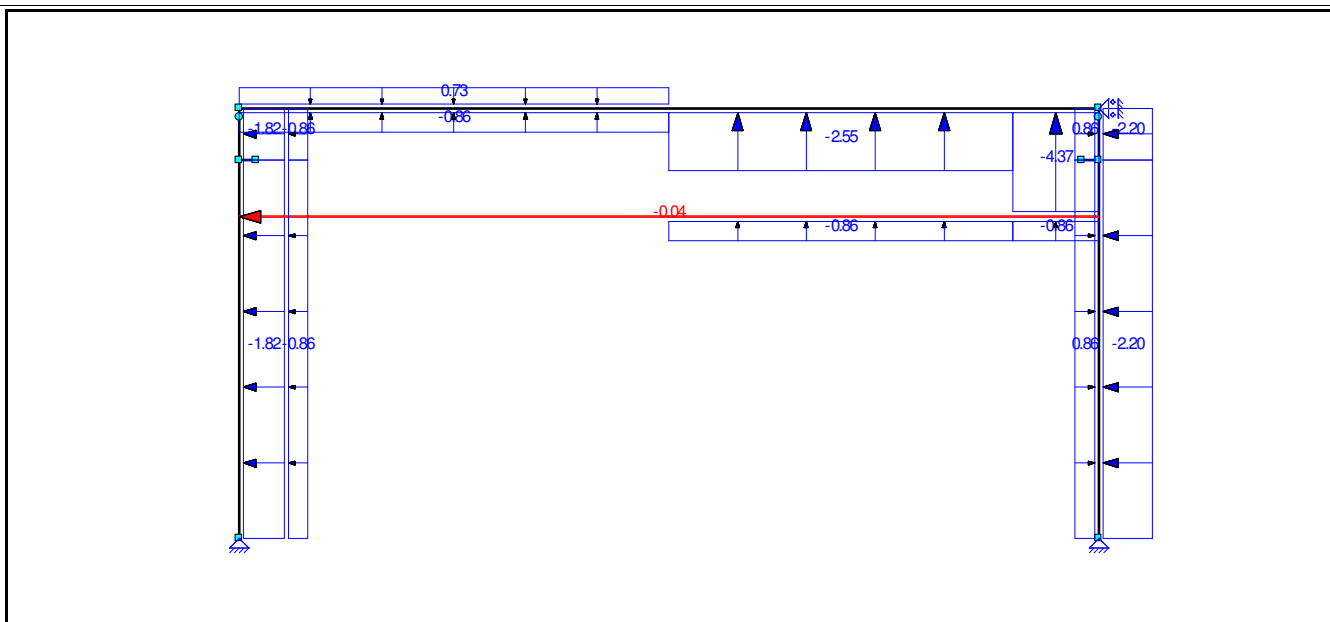
Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staat of knoop
B.G.12: Windbelasting van Rechts + Overdruk (2e Cpe)						
q	-0,73 (q50)	-0,73 (q50)	0,000	12,500	Z' S2	
q	-0,86 (-q49)	-0,86 (-q49)	0,000	12,500	Z' S2	
q	-2,55 (q51)	-2,55 (q51)	12,500	22,500	Z' S2	
q	-0,86 (-q49)	-0,86 (-q49)	12,500	22,500	Z' S2	
q	-4,37 (q52)	-4,37 (q52)	22,500	25,000(L)	Z' S2	
q	-0,86 (-q49)	-0,86 (-q49)	22,500	25,000(L)	Z' S2	
q	-0,04 (-q48)	-0,04 (-q48)	0,000	25,000(L)	X' S2	
q	-1,11 (q54)	-1,11 (q54)	0,000	11,000(L)	Z' S5-S6	
q	-0,86 (-q49)	-0,86 (-q49)	0,000	11,000(L)	Z' S5-S6	
q	-2,91 (-q56)	-2,91 (-q56)	0,000	11,000(L)	Z' S8-S9	
q	0,86 (q49)	0,86 (q49)	0,000	11,000(L)	Z' S8-S9	
Som lasten	X: -51,39	kN Z: -66,96	kN			
-	-	-	m	m	- -	

B.G.12: WINDBELASTING VAN RECHTS + OVERDRUK (2E CPE)



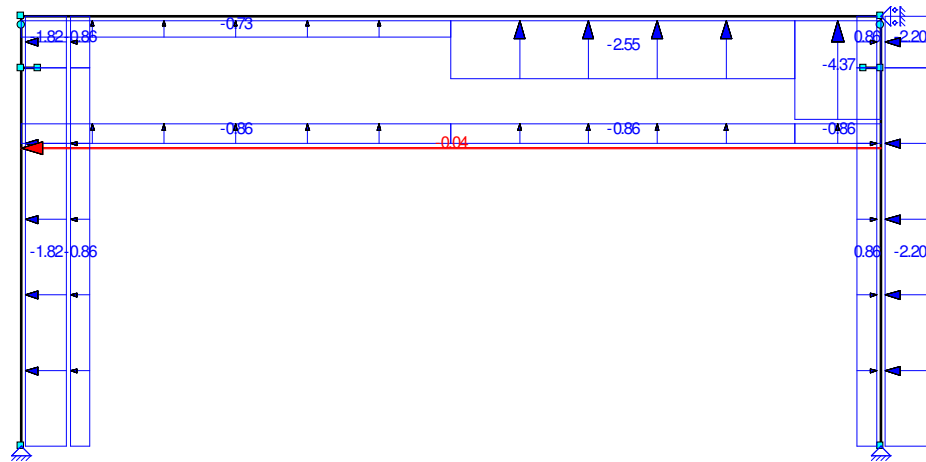
B.G.13: WINDBELASTING VAN RECHTS + OVERDRUK (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.13: Windbelasting van Rechts + Overdruk (2e corr. factor)					
q	-1,82 (q44)	-1,82 (q44)	0,000	11,000(L)	Z' S5-S6
q	-2,20 (-q46)	-2,20 (-q46)	0,000	11,000(L)	Z' S8-S9
q	0,73 (q41)	0,73 (q41)	0,000	12,500	Z' S2
q	-0,86 (-q40)	-0,86 (-q40)	0,000	12,500	Z' S2
q	-2,55 (q42)	-2,55 (q42)	12,500	22,500	Z' S2
q	-0,86 (-q40)	-0,86 (-q40)	12,500	22,500	Z' S2
q	-4,37 (q43)	-4,37 (q43)	22,500	25,000(L)	Z' S2
q	-0,86 (-q40)	-0,86 (-q40)	22,500	25,000(L)	Z' S2
q	-0,04 (-q39)	-0,04 (-q39)	0,000	25,000(L)	X' S2
q	-0,86 (-q40)	-0,86 (-q40)	0,000	11,000(L)	Z' S5-S6
q	0,86 (q40)	0,86 (q40)	0,000	11,000(L)	Z' S8-S9
Som lasten	X: -51,39	kN Z: -48,75	kN		
-	-	-	m	m	- -

B.G.13: WINDBELASTING VAN RECHTS + OVERDRUK (2E CORR. FACTOR)**B.G.14: WINDBELASTING VAN RECHTS + OVERDRUK (2E CPE) (2E CORR. FACTOR)**

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.14: Windbelasting van Rechts + Overdruk (2e Cpe) (2e corr. factor)					
q	-1,82 (q53)	-1,82 (q53)	0,000	11,000(L)	Z' S5-S6
q	-2,20 (-q55)	-2,20 (-q55)	0,000	11,000(L)	Z' S8-S9
q	-0,73 (q50)	-0,73 (q50)	0,000	12,500	Z' S2
q	-0,86 (-q49)	-0,86 (-q49)	0,000	12,500	Z' S2
q	-2,55 (q51)	-2,55 (q51)	12,500	22,500	Z' S2
q	-0,86 (-q49)	-0,86 (-q49)	12,500	22,500	Z' S2
q	-4,37 (q52)	-4,37 (q52)	22,500	25,000(L)	Z' S2
q	-0,86 (-q49)	-0,86 (-q49)	22,500	25,000(L)	Z' S2
q	-0,04 (-q48)	-0,04 (-q48)	0,000	25,000(L)	X' S2
q	-0,86 (-q49)	-0,86 (-q49)	0,000	11,000(L)	Z' S5-S6
q	0,86 (q49)	0,86 (q49)	0,000	11,000(L)	Z' S8-S9
Som lasten	X: -51,39	kN Z: -66,96	kN		
-	-	-	m	m	- -

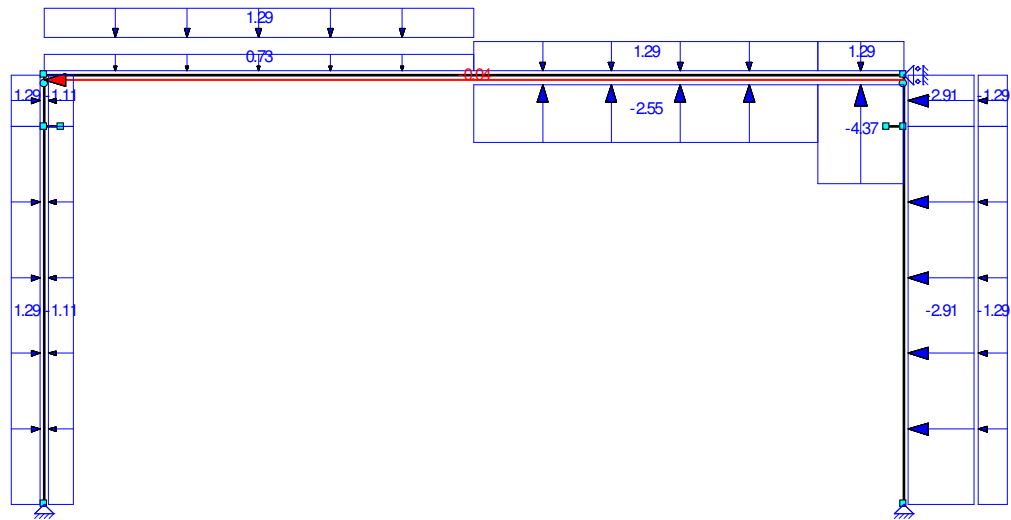
B.G.14: WINDBELASTING VAN RECHTS + OVERDRUK (2E CPE) (2E CORR. FACTOR)



B.G.15: WINDBELASTING VAN RECHTS + ONDERDRUK

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.15: Windbelasting van Rechts + Onderdruk					
q	0,73 (q59)	0,73 (q59)	0,000	12,500	Z' S2
q	1,29 (-q58)	1,29 (-q58)	0,000	12,500	Z' S2
q	-2,55 (q60)	-2,55 (q60)	12,500	22,500	Z' S2
q	1,29 (-q58)	1,29 (-q58)	12,500	22,500	Z' S2
q	-4,37 (q61)	-4,37 (q61)	22,500	25,000(L)	Z' S2
q	1,29 (-q58)	1,29 (-q58)	22,500	25,000(L)	Z' S2
q	-0,04 (-q57)	-0,04 (-q57)	0,000	25,000(L)	X' S2
q	-1,11 (q63)	-1,11 (q63)	0,000	11,000(L)	Z' S5-S6
q	1,29 (-q58)	1,29 (-q58)	0,000	11,000(L)	Z' S5-S6
q	-2,91 (-q65)	-2,91 (-q65)	0,000	11,000(L)	Z' S8-S9
q	-1,29 (q58)	-1,29 (q58)	0,000	11,000(L)	Z' S8-S9
Som lasten	X: -51,39	kN Z: 4,82	kN		
-	-	-	m	m	- -

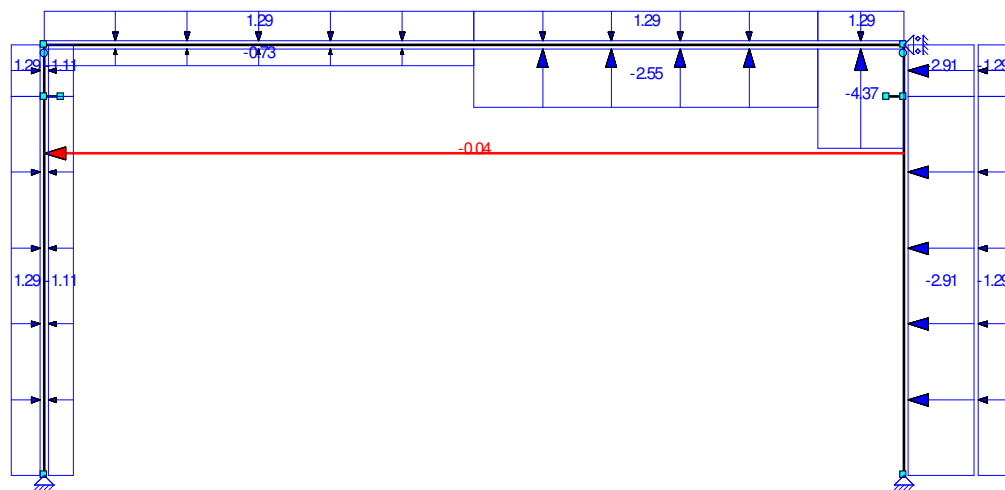
B.G.15: WINDBELASTING VAN RECHTS + ONDERDRUK



B.G.16: WINDBELASTING VAN RECHTS + ONDERDRUK (2E CPE)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.16: Windbelasting van Rechts + Onderdruk (2e Cpe)					
q	-0,73 (q68)	-0,73 (q68)	0,000	12,500	Z' S2
q	1,29 (-q67)	1,29 (-q67)	0,000	12,500	Z' S2
q	-2,55 (q69)	-2,55 (q69)	12,500	22,500	Z' S2
q	1,29 (-q67)	1,29 (-q67)	12,500	22,500	Z' S2
q	-4,37 (q70)	-4,37 (q70)	22,500	25,000(L)	Z' S2
q	1,29 (-q67)	1,29 (-q67)	22,500	25,000(L)	Z' S2
q	-0,04 (-q66)	-0,04 (-q66)	0,000	25,000(L)	X' S2
q	-1,11 (q72)	-1,11 (q72)	0,000	11,000(L)	Z' S5-S6
q	1,29 (-q67)	1,29 (-q67)	0,000	11,000(L)	Z' S5-S6
q	-2,91 (-q74)	-2,91 (-q74)	0,000	11,000(L)	Z' S8-S9
q	-1,29 (q67)	-1,29 (q67)	0,000	11,000(L)	Z' S8-S9
Som lasten	X: -51,39	kN Z: -13,39	kN		
-	-	-	m	m	- -

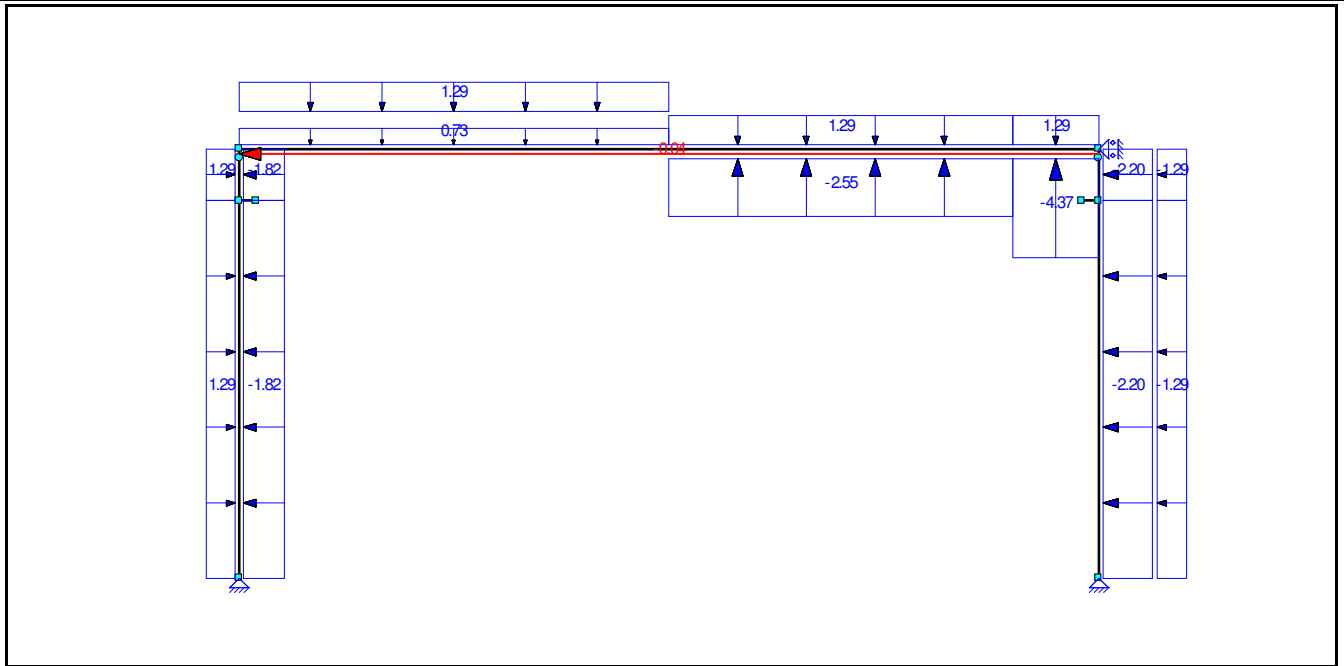
B.G.16: WINDBELASTING VAN RECHTS + ONDERDRUK (2E CPE)



B.G.17: WINDBELASTING VAN RECHTS + ONDERDRUK (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.17: Windbelasting van Rechts + Onderdruk (2e corr. factor)						
q	-1,82 (q62)	-1,82 (q62)	0,000	11,000(L)	Z'	S5-S6
q	-2,20 (-q64)	-2,20 (-q64)	0,000	11,000(L)	Z'	S8-S9
q	0,73 (q59)	0,73 (q59)	0,000	12,500	Z'	S2
q	1,29 (-q58)	1,29 (-q58)	0,000	12,500	Z'	S2
q	-2,55 (q60)	-2,55 (q60)	12,500	22,500	Z'	S2
q	1,29 (-q58)	1,29 (-q58)	12,500	22,500	Z'	S2
q	-4,37 (q61)	-4,37 (q61)	22,500	25,000(L)	Z'	S2
q	1,29 (-q58)	1,29 (-q58)	22,500	25,000(L)	Z'	S2
q	-0,04 (-q57)	-0,04 (-q57)	0,000	25,000(L)	X'	S2
q	1,29 (-q58)	1,29 (-q58)	0,000	11,000(L)	Z'	S5-S6
q	-1,29 (q58)	-1,29 (q58)	0,000	11,000(L)	Z'	S8-S9
Som lasten	X: -51,39	kN Z: 4,82	kN			
-	-	-	m	m	-	-

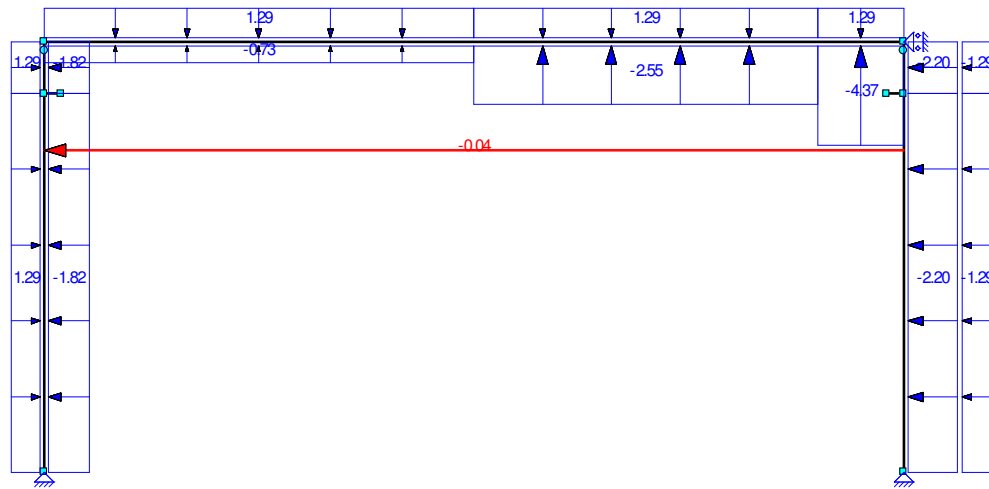
B.G.17: WINDBELASTING VAN RECHTS + ONDERDRUK (2E CORR. FACTOR)



B.G.18: WINDBELASTING VAN RECHTS + ONDERDRUK (2E CPE) (2E CORR. FACTOR)

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.18: Windbelasting van Rechts + Onderdruk (2e Cpe) (2e corr. factor)					
q	-1,82 (q71)	-1,82 (q71)	0,000	11,000(L)	Z' S5-S6
q	-2,20 (-q73)	-2,20 (-q73)	0,000	11,000(L)	Z' S8-S9
q	-0,73 (q68)	-0,73 (q68)	0,000	12,500	Z' S2
q	1,29 (-q67)	1,29 (-q67)	0,000	12,500	Z' S2
q	-2,55 (q69)	-2,55 (q69)	12,500	22,500	Z' S2
q	1,29 (-q67)	1,29 (-q67)	12,500	22,500	Z' S2
q	-4,37 (q70)	-4,37 (q70)	22,500	25,000(L)	Z' S2
q	1,29 (-q67)	1,29 (-q67)	22,500	25,000(L)	Z' S2
q	-0,04 (-q66)	-0,04 (-q66)	0,000	25,000(L)	X' S2
q	1,29 (-q67)	1,29 (-q67)	0,000	11,000(L)	Z' S5-S6
q	-1,29 (q67)	-1,29 (q67)	0,000	11,000(L)	Z' S8-S9
Som lasten	X: -51,39	kN Z: -13,39	kN		
-	-	-	m	m	- -

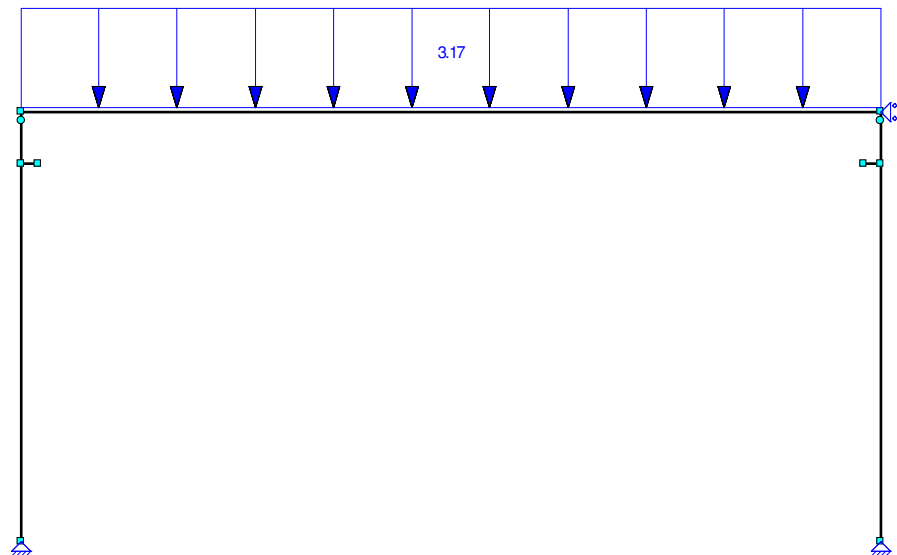
B.G.18: WINDBELASTING VAN RECHTS + ONDERDRUK (2E CPE) (2E CORR. FACTOR)



B.G.19: SNEEUWBELASTING 1

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.19: Sneeuwbelasting 1					
q	3,17 (q75)	3,17 (q75)	0,000	25,000(L)	Z S2
Som lasten	X: 0,00	kN Z: 79,24	kN		
-	-	-	m	m	- -

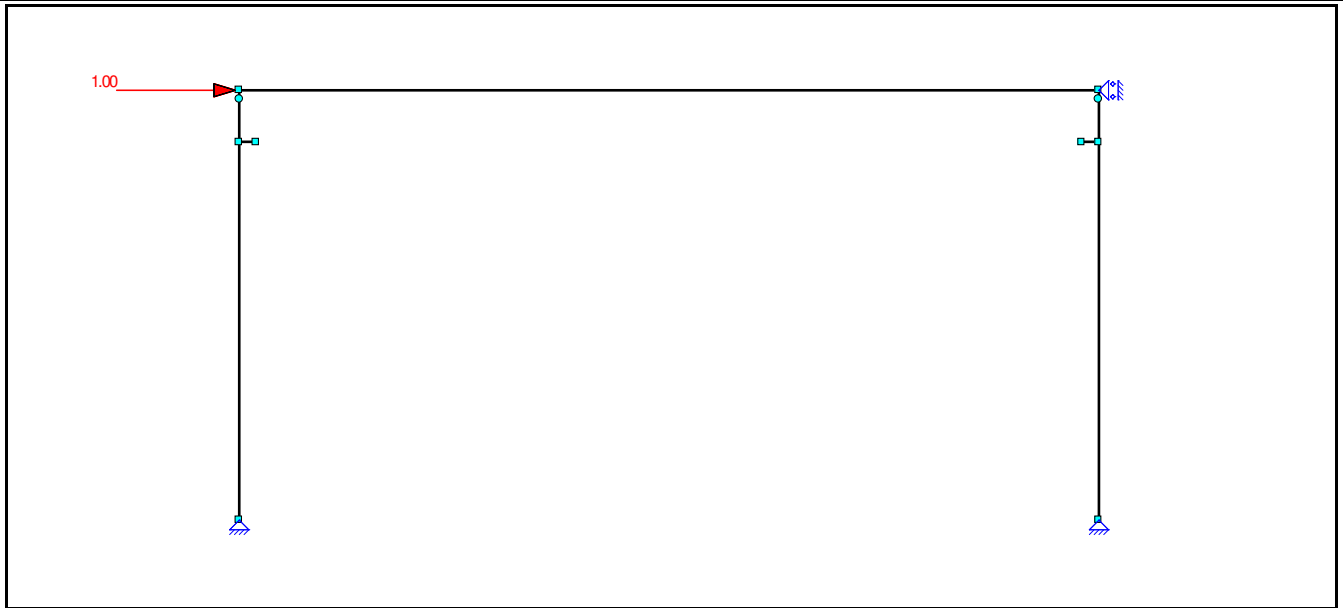
B.G.19: SNEEUWBELASTING 1



B.G.20: KNIKLENGTE

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.20: Kniklengte					
N	1,00				X K2
Som lasten	X: 1,00	kN Z: 0,00	kN		
-	-	-	m	m	- -

B.G.20: KNIKLENGTE



B.G.21: MOBIELE LASTEN VERT.

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.21: Mobiele lasten Vert.					
N	165,00				Z K6-K7
Som lasten	X: 0,00	kN Z: 330,00	kN		
-	-	-	m	m	- -

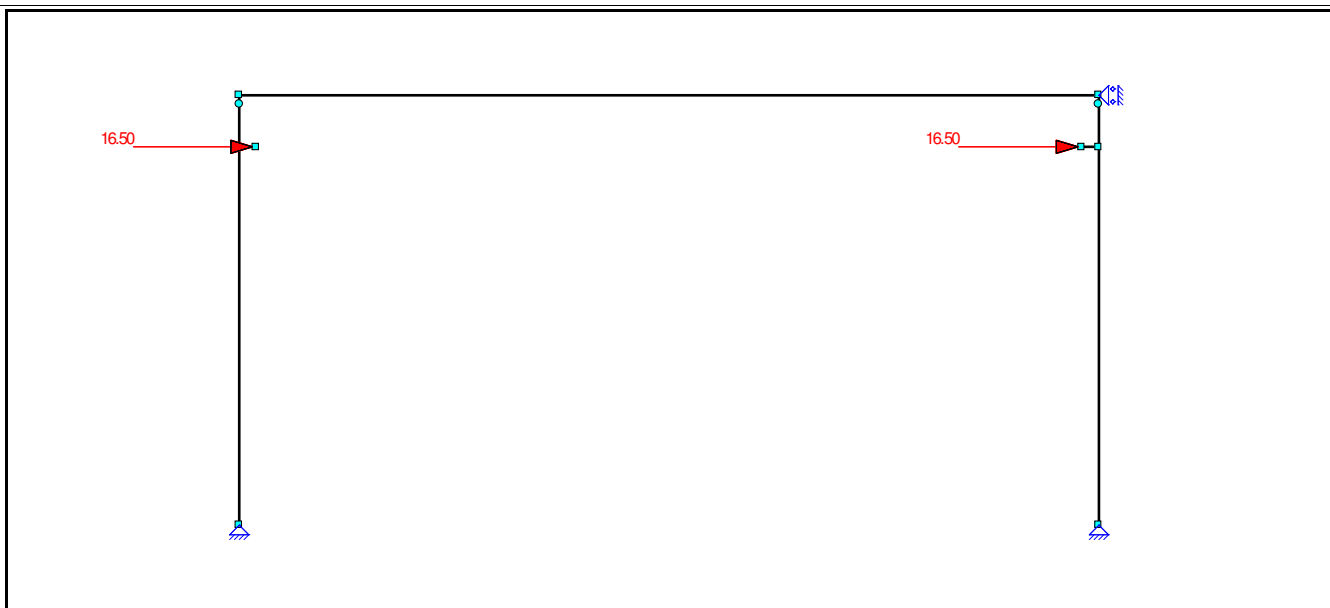
B.G.21: MOBIELE LASTEN VERT.



B.G.22: MOBIELE LASTEN HOR

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.22: Mobiele lasten hor					
N	16,50				X K6-K7
Som lasten	X: 33,00	kN Z: 0,00	kN		
-	-	-	m	m	- -

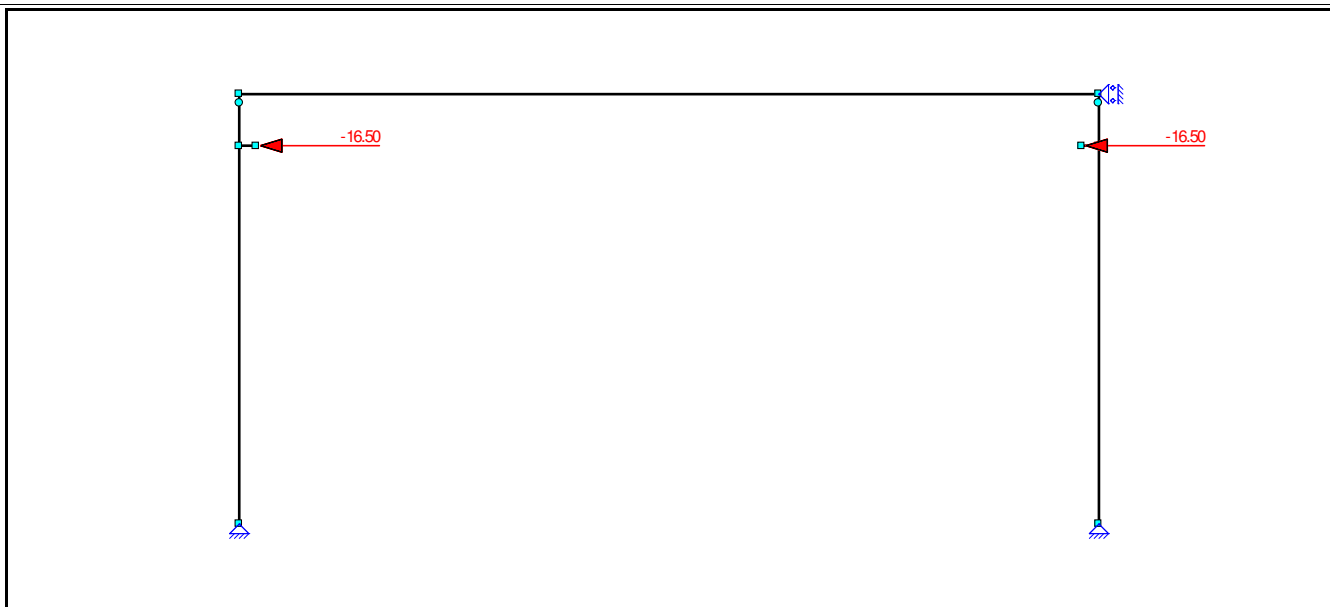
B.G.22: MOBIELE LASTEN HOR



B.G.23: MOBIELE LASTEN HOR

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.23: Mobiele lasten hor					
N	-16,50				X K6-K7
Som lasten	X: -33,00	kN Z: 0,00	kN		
-	-	-	m	m	- -

B.G.23: MOBIELE LASTEN HOR



FUNDAMENTEEL BELASTINGSCOMBINATIES (TABEL)

B.G.	Omschrijving	Fu.C.1 (Overslaan)	Fu.C.2	Fu.C.3	Fu.C.4	Fu.C.5 (Overslaan)	Fu.C.6	Fu.C.7 (Overslaan)	Fu.C.8 (Overslaan)
B.G.1	Permanente Belasting	1.20	0.90	0.90	0.90	0.90	1.20	1.20	1.20
B.G.2	Opgelegde belastingen. Vloer 2, Veld 1	1.50	-	-	-	-	-	-	-
B.G.3	Windbelasting van Links + Overdruk	-	1.50	-	-	-	-	-	-
B.G.4	Windbelasting van Links + Overdruk (2e Cpe)	-	-	1.50	-	-	-	-	-
B.G.5	Windbelasting van Links + Overdruk (2e corr. factor)	-	-	-	1.50	-	-	-	-
B.G.6	Windbelasting van Links + Overdruk (2e Cpe) (2e corr. factor)	-	-	-	-	1.50	-	-	-
B.G.7	Windbelasting van Links + Onderdruk	-	-	-	-	-	1.50	-	-

Wopereis Staalbouw				Pos 8 - Tussenspan					
--------------------	--	--	--	--------------------	--	--	--	--	--

B.G.8	Windbelasting van Links + Onderdruk (2e Cpe)	-	-	-	-	-	-	1.50	-
B.G.9	Windbelasting van Links + Onderdruk (2e corr. factor)	-	-	-	-	-	-	-	1.50
B.G.10	Windbelasting van Links + Onderdruk (2e Cpe) (2e corr. factor)	-	-	-	-	-	-	-	-
B.G.11	Windbelasting van Rechts + Overdruk	-	-	-	-	-	-	-	-
B.G.12	Windbelasting van Rechts + Overdruk (2e Cpe)	-	-	-	-	-	-	-	-
B.G.13	Windbelasting van Rechts + Overdruk (2e corr. factor)	-	-	-	-	-	-	-	-
B.G.14	Windbelasting van Rechts + Overdruk (2e Cpe) (2e corr. factor)	-	-	-	-	-	-	-	-
B.G.15	Windbelasting van Rechts + Onderdruk	-	-	-	-	-	-	-	-
B.G.16	Windbelasting van Rechts + Onderdruk (2e Cpe)	-	-	-	-	-	-	-	-
B.G.17	Windbelasting van Rechts + Onderdruk (2e corr. factor)	-	-	-	-	-	-	-	-
B.G.18	Windbelasting van Rechts + Onderdruk (2e Cpe) (2e corr. factor)	-	-	-	-	-	-	-	-
B.G.19	Sneeuwbelasting 1	-	-	-	-	-	-	-	-
B.G.20	Kniklengte	-	-	-	-	-	-	-	-
B.G.21	Mobiele lasten Vert.	-	-	-	-	-	-	-	-
B.G.22	Mobiele lasten hor	-	-	-	-	-	-	-	-
B.G.23	Mobiele lasten hor	-	-	-	-	-	-	-	-
B.G.	Omschrijving	Fu.C.9 (Overslaan)	Fu.C.10	Fu.C.11	Fu.C.12	Fu.C.13 (Overslaan)	Fu.C.14	Fu.C.15 (Overslaan)	Fu.C.16
B.G.1	Permanente Belasting	1.20	0.90	0.90	0.90	0.90	1.20	1.20	1.20
B.G.2	Opgelegde belastingen. Vloer 2, Veld 1	-	-	-	-	-	-	-	-
B.G.3	Windbelasting van Links + Overdruk	-	-	-	-	-	-	-	-
B.G.4	Windbelasting van Links + Overdruk (2e Cpe)	-	-	-	-	-	-	-	-
B.G.5	Windbelasting van Links + Overdruk (2e corr. factor)	-	-	-	-	-	-	-	-
B.G.6	Windbelasting van Links + Overdruk (2e Cpe) (2e corr. factor)	-	-	-	-	-	-	-	-
B.G.7	Windbelasting van Links + Onderdruk	-	-	-	-	-	-	-	-
B.G.8	Windbelasting van Links + Onderdruk (2e Cpe)	-	-	-	-	-	-	-	-
B.G.9	Windbelasting van Links + Onderdruk (2e corr. factor)	-	-	-	-	-	-	-	-
B.G.10	Windbelasting van Links + Onderdruk (2e Cpe) (2e corr. factor)	1.50	-	-	-	-	-	-	-
B.G.11	Windbelasting van Rechts + Overdruk	-	1.50	-	-	-	-	-	-
B.G.12	Windbelasting van Rechts + Overdruk (2e Cpe)	-	-	1.50	-	-	-	-	-
B.G.13	Windbelasting van Rechts + Overdruk (2e corr. factor)	-	-	-	1.50	-	-	-	-
B.G.14	Windbelasting van Rechts + Overdruk (2e Cpe) (2e corr. factor)	-	-	-	-	1.50	-	-	-
B.G.15	Windbelasting van Rechts + Onderdruk	-	-	-	-	-	1.50	-	-
B.G.16	Windbelasting van Rechts + Onderdruk (2e Cpe)	-	-	-	-	-	-	1.50	-
B.G.17	Windbelasting van Rechts + Onderdruk (2e corr. factor)	-	-	-	-	-	-	-	1.50
B.G.18	Windbelasting van Rechts + Onderdruk (2e Cpe) (2e corr. factor)	-	-	-	-	-	-	-	-
B.G.19	Sneeuwbelasting 1	-	-	-	-	-	-	-	-
B.G.20	Kniklengte	-	-	-	-	-	-	-	-
B.G.21	Mobiele lasten Vert.	-	-	-	-	-	-	-	-
B.G.22	Mobiele lasten hor	-	-	-	-	-	-	-	-
B.G.23	Mobiele lasten hor	-	-	-	-	-	-	-	-
B.G.	Omschrijving	Fu.C.17 (Overslaan)	Fu.C.18	Fu.C.19	Fu.C.20	Fu.C.21 (Overslaan)	Fu.C.22		
B.G.1	Permanente Belasting	1.20	1.20	1.20	1.20	1.35	0.90		
B.G.2	Opgelegde belastingen. Vloer 2, Veld 1	-	-	-	-	-	-		
B.G.3	Windbelasting van Links + Overdruk	-	-	-	-	-	-		
B.G.4	Windbelasting van Links + Overdruk (2e Cpe)	-	-	-	-	-	-		
B.G.5	Windbelasting van Links + Overdruk (2e corr. factor)	-	-	-	-	-	-		
B.G.6	Windbelasting van Links + Overdruk (2e Cpe) (2e corr. factor)	-	-	-	-	-	-		
B.G.7	Windbelasting van Links + Onderdruk	-	-	-	-	-	-		
B.G.8	Windbelasting van Links + Onderdruk (2e Cpe)	-	-	-	-	-	-		
B.G.9	Windbelasting van Links + Onderdruk (2e corr. factor)	-	-	-	-	-	-		
B.G.10	Windbelasting van Links + Onderdruk (2e Cpe) (2e corr. factor)	-	-	-	-	-	-		
B.G.11	Windbelasting van Rechts + Overdruk	-	-	-	-	-	-		
B.G.12	Windbelasting van Rechts + Overdruk (2e Cpe)	-	-	-	-	-	-		
B.G.13	Windbelasting van Rechts + Overdruk (2e corr. factor)	-	-	-	-	-	-		

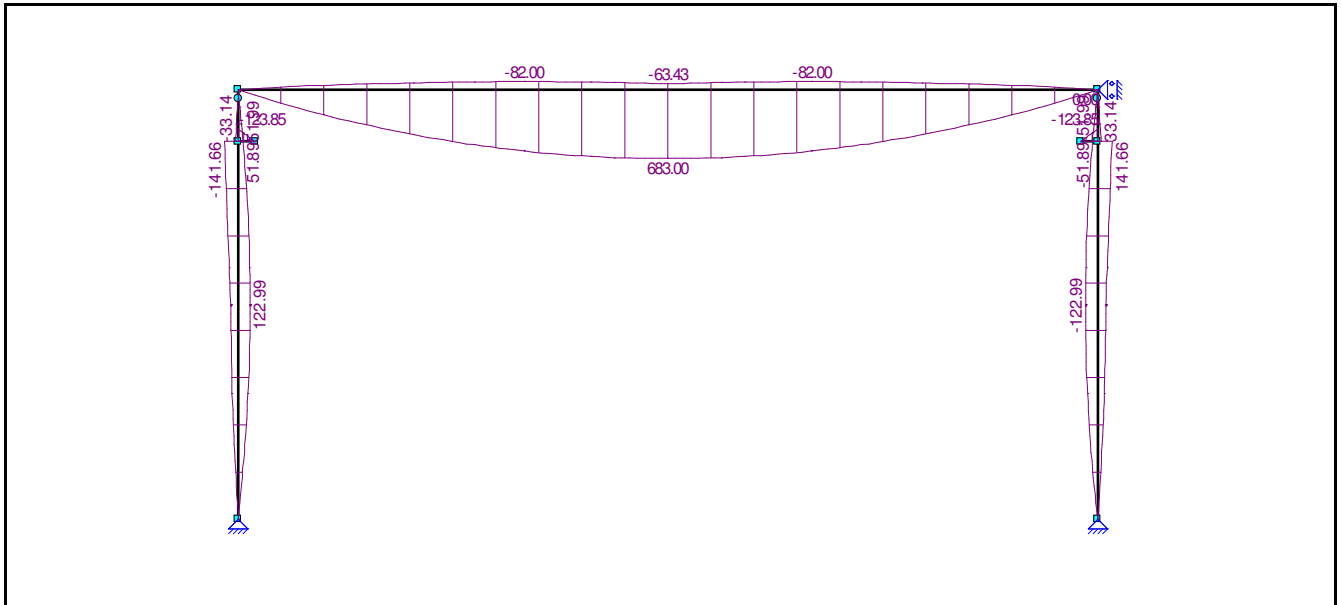
B.G.14	Windbelasting van Rechts + Overdruk (2e Cpe) (2e corr. factor)	-	-	-	-	-	-
B.G.15	Windbelasting van Rechts + Onderdruk	-	-	-	-	-	-
B.G.16	Windbelasting van Rechts + Onderdruk (2e Cpe)	-	-	-	-	-	-
B.G.17	Windbelasting van Rechts + Onderdruk (2e corr. factor)	-	-	-	-	-	-
B.G.18	Windbelasting van Rechts + Onderdruk (2e Cpe) (2e corr. factor)	1.50	-	-	-	-	-
B.G.19	Sneeuwbelasting 1	-	1.50	-	-	-	-
B.G.20	Kniklengte	-	-	-	-	-	-
B.G.21	Mobiele lasten Vert.	-	-	1.50	1.50	-	-
B.G.22	Mobiele lasten hor	-	-	1.50	-	-	-
B.G.23	Mobiele lasten hor	-	-	-	1.50	-	-

UITGANGSPUNTEN VAN DE ANALYSE

Geavanceerde Analyse

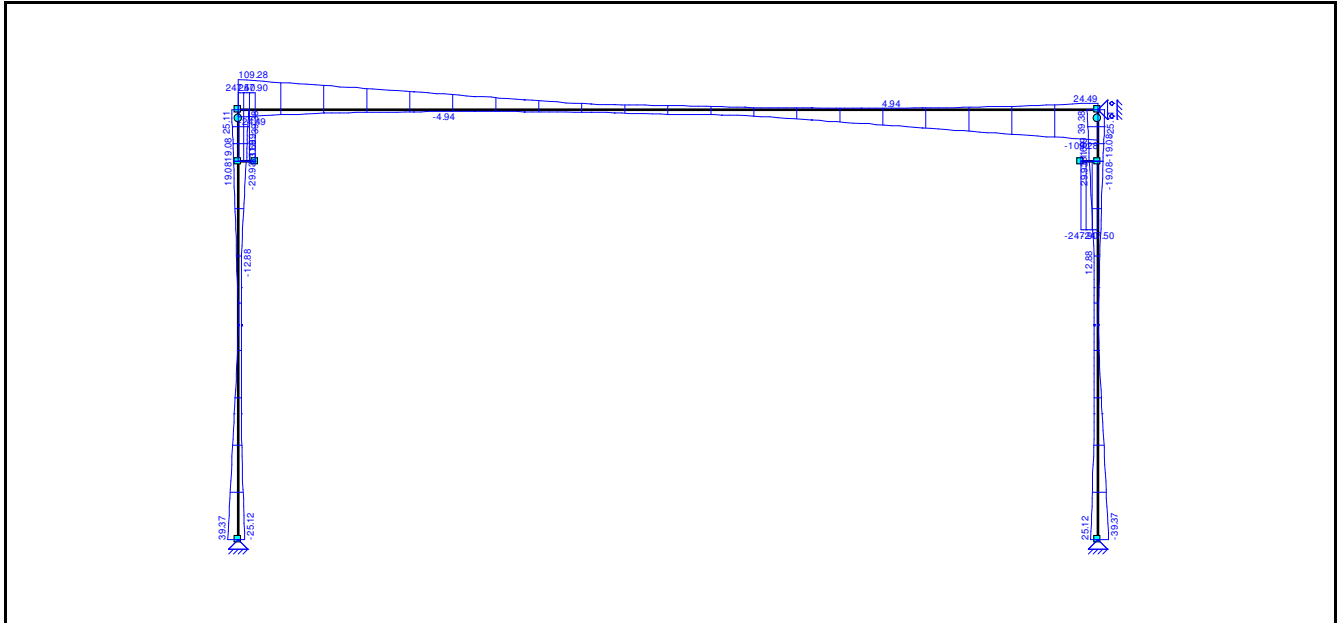
AFB. F.U.C. MOMENT (MY) OMHULLENDE

Fundamenteel Belastingscombinaties



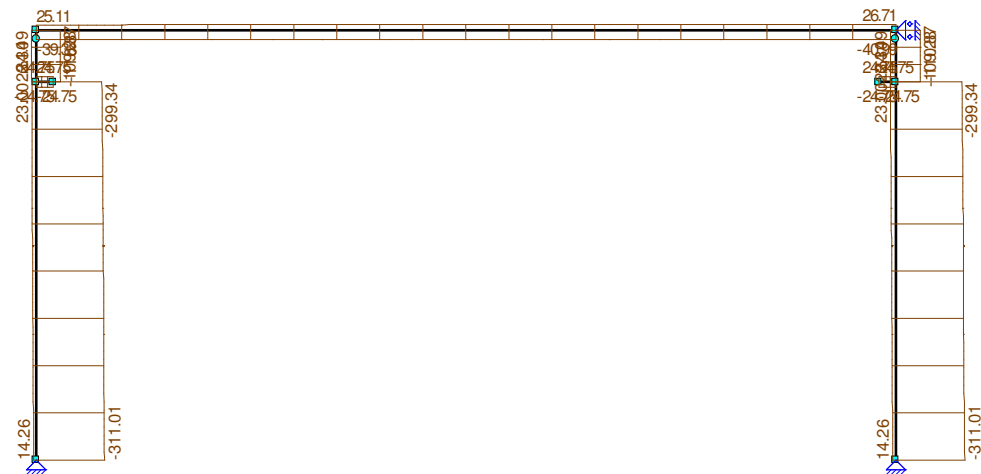
AFB. F.U.C. DRWARSKRACHT (VZ) / SHEAR FORCE (VZ) OMHULLENDE

Fundamenteel Belastingscombinaties



AFB. FU.C. NORMAALKRACHT (NX) / NORMAL FORCE (NX) OMHULLENDE

Fundamenteel Belastingscombinaties



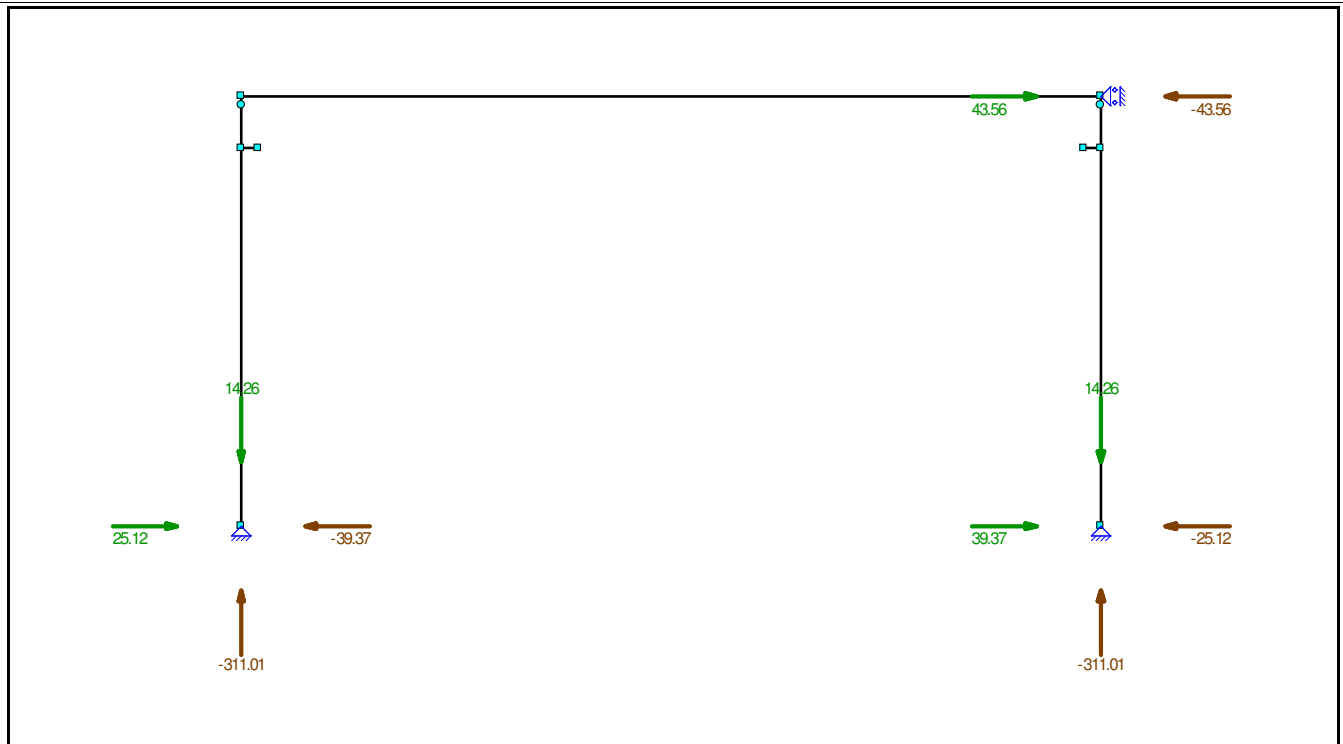
FU.C. STAAFKRACHTEN

Staal	B.C.	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Vb	Vmax	Ve
S2	Fu.C.2	0.00	66.10	18.122	0.00	10.938	0.000 D	-20.90	-17.66	-19.22	-19.22
	Fu.C.3	0.00	-82.00	8.318	0.00	0.000	0.000 D	-20.90	-24.49	-24.49	1.27
	Fu.C.4	0.00	66.10	18.122	0.00	10.938	0.000 D	-14.24	-17.66	-19.22	-19.22
	Fu.C.6	0.00	368.84	14.741	0.00	0.000	0.000 D	-40.99	35.02	-71.91	-71.91
	Fu.C.10	0.00	66.10	6.878	0.00	14.062	0.000 T	20.05	19.22	19.22	17.66
	Fu.C.11	0.00	-82.00	16.682	0.00	0.000	0.000 T	20.05	-1.27	24.49	24.49
	Fu.C.12	0.00	66.10	6.878	0.00	14.062	0.000 T	26.71	19.22	19.22	17.66
	Fu.C.14	0.00	368.84	10.259	0.00	0.000	0.000 D	-1.65	71.91	71.91	-35.02
	Fu.C.16	0.00	368.84	10.259	0.00	0.000	0.000 T	6.62	71.91	71.91	-35.02
	Fu.C.18	0.00	683.00	12.500	0.00	0.000	0.000 D	-0.01	109.28	-109.28	-109.28
	Fu.C.19	0.00	311.56	12.500	0.00	0.000	0.000 D	-31.69	49.85	-49.85	-49.85
	Fu.C.20	0.00	311.56	12.500	0.00	0.000	0.000 T	11.87	49.85	-49.85	-49.85
Fu.C.22	0.00	233.38	12.500	0.00	0.000	0.000 D	-0.01	37.34	-37.34	-37.34	
S4	Fu.C.2	-0.07			0.00	0.000	0.000 -	0.00	0.30	0.30	0.00
	Fu.C.3	-0.07			0.00	0.000	0.000 -	0.00	0.30	0.30	0.00
	Fu.C.4	-0.07			0.00	0.000	0.000 -	0.00	0.30	0.30	0.00
	Fu.C.6	-0.10			0.00	0.000	0.000 -	0.00	0.40	0.40	0.00
	Fu.C.10	-0.07			0.00	0.000	0.000 -	0.00	0.30	0.30	0.00
	Fu.C.11	-0.07			0.00	0.000	0.000 -	0.00	0.30	0.30	0.00
	Fu.C.12	-0.07			0.00	0.000	0.000 -	0.00	0.30	0.30	0.00
	Fu.C.14	-0.10			0.00	0.000	0.000 -	0.00	0.40	0.40	0.00
	Fu.C.16	-0.10			0.00	0.000	0.000 -	0.00	0.40	0.40	0.00
	Fu.C.18	-0.10			0.00	0.000	0.000 -	0.00	0.40	0.40	0.00
	Fu.C.19	-123.85			0.00	0.000	0.000 T	24.75	247.90	247.90	247.50
	Fu.C.20	-123.85			0.00	0.000	0.000 D	-24.75	247.90	247.90	247.50
Fu.C.22	-0.07			0.00	0.000	0.000 -	0.00	0.30	0.30	0.00	
S5	Fu.C.2	0.00	60.23	6.248	25.39	0.000	0.000 T	16.17	19.28	19.28	-14.66
	Fu.C.3	0.00	60.23	6.248	25.39	0.000	0.000 T	23.00	19.28	19.28	-14.66
	Fu.C.4	0.00	39.42	6.247	16.60	0.000	0.000 T	16.17	12.62	12.62	-9.60
	Fu.C.6	0.00	122.99	6.249	51.89	0.000	0.000 D	-48.69	39.37	39.37	-29.93
	Fu.C.10	0.00	-57.70	6.252	-24.42	0.000	0.000 D	-29.46	-18.46	-18.46	14.02
	Fu.C.11	0.00	-57.70	6.252	-24.42	0.000	0.000 D	-8.97	-18.46	-18.46	14.02
	Fu.C.12	0.00	-78.51	6.251	-33.21	0.000	0.000 D	-29.46	-25.12	-25.12	19.08
	Fu.C.14	0.00	5.07	6.220	2.07	0.000	0.000 D	-85.57	1.63	1.63	-1.25
	Fu.C.16	0.00	-15.74	6.260	-6.72	0.000	0.000 D	-85.57	-5.03	-5.03	3.81
	Fu.C.18	0.00			-0.09	0.000	0.000 D	-122.94	-0.01	-0.01	-0.01
	Fu.C.19	0.00			-76.32	0.000	0.000 D	-311.01	-6.94	-6.94	-6.94
	Fu.C.20	0.00			-141.66	0.000	0.000 D	-311.01	-12.88	-12.88	-12.88
Fu.C.22	0.00			-0.07	0.000	0.000 D	-47.58	-0.01	-0.01	-0.01	
S6	Fu.C.2	25.47			0.00	0.000	0.000 T	17.66	-14.66	-19.29	-19.29

Wopereis Staalbouw							Pos 8 - Tussenspannt				
Staaf	B.C.	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Vb	Vmax	Ve
S6	Fu.C.3	25.47			0.00	0.000	0.000 T	24.49	-14.66	-19.29	-19.29
	Fu.C.4	16.68			0.00	0.000	0.000 T	17.66	-9.60	-12.63	-12.63
	Fu.C.6	51.99			0.00	0.000	0.000 D	-36.62	-29.93	-39.38	-39.38
	Fu.C.10	-24.35			0.00	0.000	0.000 D	-20.41	14.02	18.45	18.45
	Fu.C.11	-24.35			0.00	0.000	0.000 T	1.27	14.02	18.45	18.45
	Fu.C.12	-33.14			0.00	0.000	0.000 D	-20.41	19.08	25.11	25.11
	Fu.C.14	2.17			0.00	0.000	0.000 D	-73.50	-1.25	-1.65	-1.65
	Fu.C.16	-6.62			0.00	0.000	0.000 D	-73.50	3.81	5.01	5.01
	Fu.C.18	0.01			0.00	0.000	0.000 D	-110.87	-0.01	-0.01	-0.01
	Fu.C.19	47.53			0.00	0.000	0.000 D	-51.44	-31.69	-31.69	-31.69
	Fu.C.20	-17.81			0.00	0.000	0.000 D	-51.44	11.87	11.87	11.87
	Fu.C.22	0.01			0.00	0.000	0.000 D	-38.53	-0.01	-0.01	-0.01
S7	Fu.C.2	0.00			-0.07	0.000	0.000 -	0.00	0.00	-0.30	-0.30
	Fu.C.3	0.00			-0.07	0.000	0.000 -	0.00	0.00	-0.30	-0.30
	Fu.C.4	0.00			-0.07	0.000	0.000 -	0.00	0.00	-0.30	-0.30
	Fu.C.6	0.00			-0.10	0.000	0.000 -	0.00	0.00	-0.40	-0.40
	Fu.C.10	0.00			-0.07	0.000	0.000 -	0.00	0.00	-0.30	-0.30
	Fu.C.11	0.00			-0.07	0.000	0.000 -	0.00	0.00	-0.30	-0.30
	Fu.C.12	0.00			-0.07	0.000	0.000 -	0.00	0.00	-0.30	-0.30
	Fu.C.14	0.00			-0.10	0.000	0.000 -	0.00	0.00	-0.40	-0.40
	Fu.C.16	0.00			-0.10	0.000	0.000 -	0.00	0.00	-0.40	-0.40
	Fu.C.18	0.00			-0.10	0.000	0.000 -	0.00	0.00	-0.40	-0.40
	Fu.C.19	0.00			-123.85	0.000	0.000 D	-24.75	-247.50	-247.90	-247.90
	Fu.C.20	0.00			-123.85	0.000	0.000 T	24.75	-247.50	-247.90	-247.90
S8	Fu.C.22	0.00			-0.07	0.000	0.000 -	0.00	0.00	-0.30	-0.30
	Fu.C.2	0.00	57.70	6.252	24.42	0.000	0.000 D	-29.46	18.46	18.46	-14.02
	Fu.C.3	0.00	57.70	6.252	24.42	0.000	0.000 D	-8.97	18.46	18.46	-14.02
	Fu.C.4	0.00	78.51	6.251	33.21	0.000	0.000 D	-29.46	25.12	25.12	-19.08
	Fu.C.6	0.00	-5.07	6.220	-2.07	0.000	0.000 D	-85.57	-1.63	-1.63	1.25
	Fu.C.10	0.00	-60.23	6.248	-25.39	0.000	0.000 T	16.17	-19.28	-19.28	14.66
	Fu.C.11	0.00	-60.23	6.248	-25.39	0.000	0.000 T	23.00	-19.28	-19.28	14.66
	Fu.C.12	0.00	-39.42	6.247	-16.60	0.000	0.000 T	16.17	-12.62	-12.62	9.60
	Fu.C.14	0.00	-122.99	6.249	-51.89	0.000	0.000 D	-48.69	-39.37	-39.37	29.93
	Fu.C.16	0.00	-102.18	6.248	-43.10	0.000	0.000 D	-48.69	-32.71	-32.71	24.87
	Fu.C.18	0.00			0.09	0.000	0.000 D	-122.94	0.01	0.01	0.01
	Fu.C.19	0.00			141.66	0.000	0.000 D	-311.01	12.88	12.88	12.88
S9	Fu.C.20	0.00			76.32	0.000	0.000 D	-311.01	6.94	6.94	6.94
	Fu.C.22	0.00			0.07	0.000	0.000 D	-47.58	0.01	0.01	0.01
	Fu.C.2	24.35			0.00	0.000	0.000 D	-20.41	-14.02	-18.45	-18.45
	Fu.C.3	24.35			0.00	0.000	0.000 T	1.27	-14.02	-18.45	-18.45
	Fu.C.4	33.14			0.00	0.000	0.000 D	-20.41	-19.08	-25.11	-25.11
	Fu.C.6	-2.17			0.00	0.000	0.000 D	-73.50	1.25	1.65	1.65
	Fu.C.10	-25.47			0.00	0.000	0.000 T	17.66	14.66	19.29	19.29
	Fu.C.11	-25.47			0.00	0.000	0.000 T	24.49	14.66	19.29	19.29
	Fu.C.12	-16.68			0.00	0.000	0.000 T	17.66	9.60	12.63	12.63
	Fu.C.14	-51.99			0.00	0.000	0.000 D	-36.62	29.93	39.38	39.38
	Fu.C.16	-43.20			0.00	0.000	0.000 D	-36.62	24.87	32.72	32.72
	Fu.C.18	-0.01			0.00	0.000	0.000 D	-110.87	0.01	0.01	0.01
	Fu.C.19	17.81			0.00	0.000	0.000 D	-51.44	-11.87	-11.87	-11.87
	Fu.C.20	-47.53			0.00	0.000	0.000 D	-51.44	31.69	31.69	31.69
	Fu.C.22	-0.01			0.00	0.000	0.000 D	-38.53	0.01	0.01	0.01
-	-	kNm	kNm	m	kNm	m	m -	kN	kN	kN	kN

AFB. FU.C. OPLEGREACTIES / SUPPORT REACTIONS OMHULLENDE

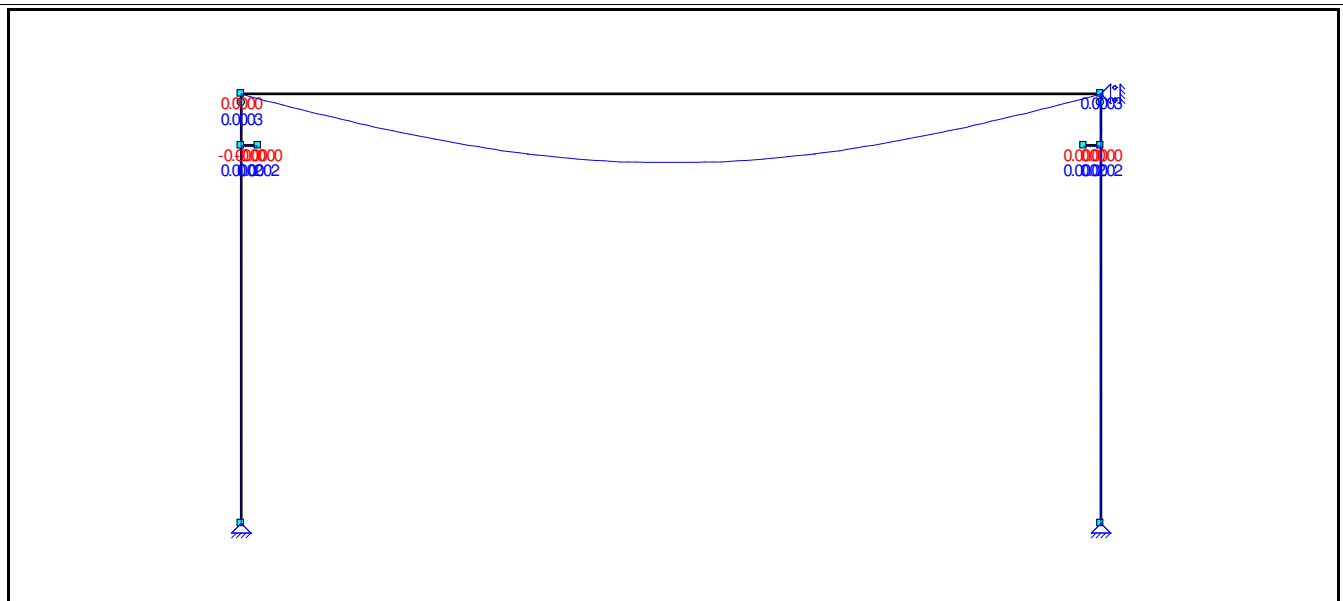
Fundamenteel Belastingscombinaties

**FU.C. EXTREME OPLEGREACTIES**

Oplegging	Knoop	B.C.	Xmax	Z	My B.C.	X	Zmax	My B.C.	X	Z Mymax
O1	K1	Fu.C.12	25.12	-29.46	0.00Fu.C.3	-19.28	14.26	0.00		
O1	K1	Fu.C.6	-39.37	-48.69	0.00Fu.C.19	6.94	-311.01	0.00		
O2	K4	Fu.C.14	39.37	-48.69	0.00Fu.C.11	19.28	14.26	0.00		
O2	K4	Fu.C.4	-25.12	-29.46	0.00Fu.C.20	-6.94	-311.01	0.00		
O3	K3	Fu.C.20	43.56	0.00	0.00					
O3	K3	Fu.C.19	-43.56	0.00	0.00					
Globale extreme waarden										
O3	K3	Fu.C.20	43.56	0.00	0.00					
O3	K3	Fu.C.19	-43.56	0.00	0.00					
O1	K1				Fu.C.3	-19.28	14.26	0.00		
O1	K1				Fu.C.19	6.94	-311.01	0.00		
-	-	-	kN	kN	kNm	-	kN	kN	kNm	kN kN kNm

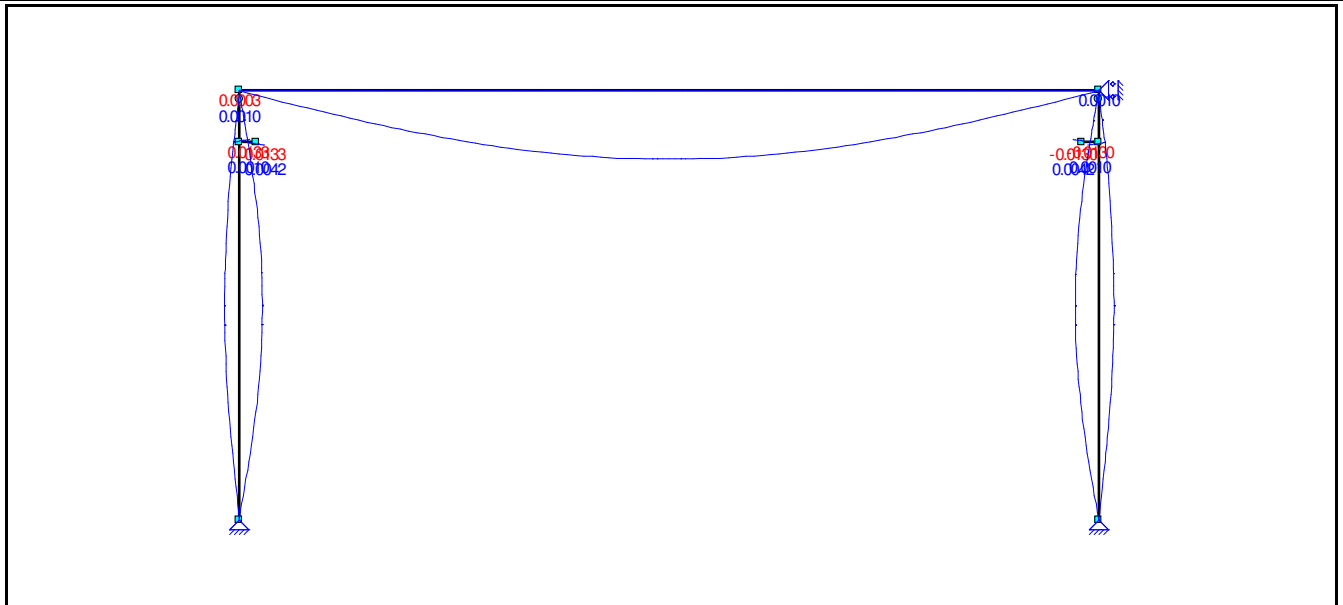
AFB. KA.C.(W1) VERPLAATSINGEN / DISPLACEMENTS

Ka.C.(w1) Belastingscombinaties



AFB. KA.C. VERPLAATSINGEN / DISPLACEMENTS OMHULLENDE

Karakteristiek Belastingscombinaties

**KA.C. KNOOPVERPLAATSINGEN**

Knoop	B.C.	X	Z	Yr
K1	Ka.C.(w1)	0.0000	0.0000	0.004e-03
	Ka.C.1	0.0000	0.0000	0.004e-03
	Ka.C.3	0.0000	0.0000	-4.373e-03
	Ka.C.4	0.0000	0.0000	-4.373e-03
	Ka.C.5	0.0000	0.0000	-2.862e-03
	Ka.C.7	0.0000	0.0000	-8.932e-03
	Ka.C.8	0.0000	0.0000	-8.932e-03
	Ka.C.11	0.0000	0.0000	4.192e-03
	Ka.C.12	0.0000	0.0000	4.192e-03
	Ka.C.13	0.0000	0.0000	5.704e-03
	Ka.C.15	0.0000	0.0000	-0.367e-03
	Ka.C.16	0.0000	0.0000	-0.367e-03
	Ka.C.17	0.0000	0.0000	1.145e-03
	Ka.C.19	0.0000	0.0000	0.004e-03
	Ka.C.20	0.0000	0.0000	4.286e-03
	Ka.C.21	0.0000	0.0000	-1.334e-03
	Ka.C.22	0.0000	0.0000	1.343e-03
K2	Ka.C.(w1)	0.0000	0.0003	-6.609e-03
	Ka.C.1	0.0000	0.0003	-6.609e-03
	Ka.C.3	0.0002	0.0001	-2.555e-03
	Ka.C.4	0.0002	0.0000	-1.284e-03
	Ka.C.5	0.0001	0.0001	-2.555e-03
	Ka.C.7	0.0003	0.0002	-6.822e-03
	Ka.C.8	0.0003	0.0002	-5.550e-03
	Ka.C.11	-0.0001	0.0002	-3.419e-03
	Ka.C.12	-0.0001	0.0001	-1.789e-03
	Ka.C.13	-0.0002	0.0002	-3.419e-03
	Ka.C.15	0.0000	0.0003	-7.686e-03
	Ka.C.16	0.0000	0.0003	-6.056e-03
	Ka.C.17	0.0000	0.0003	-7.686e-03
	Ka.C.19	0.0000	0.0005	-12.919e-03
K3	Ka.C.(w1)	0.0000	0.0003	6.609e-03
	Ka.C.1	0.0000	0.0003	6.609e-03
	Ka.C.3	0.0000	0.0002	3.419e-03
	Ka.C.4	0.0000	0.0001	1.789e-03
	Ka.C.5	0.0000	0.0002	3.419e-03
	Ka.C.7	0.0000	0.0003	7.686e-03
	Ka.C.8	0.0000	0.0003	6.056e-03
	Ka.C.11	0.0000	0.0001	2.555e-03
	Ka.C.12	0.0000	0.0000	1.284e-03

Wopereis Staalbouw		Pos 8 - Tussenspan
---------------------------	--	---------------------------

Knoop	B.C.	X	Z	Yr
K3	Ka.C.13	0.0000	0.0001	2.555e-03
	Ka.C.15	0.0000	0.0002	6.822e-03
	Ka.C.16	0.0000	0.0002	5.550e-03
	Ka.C.17	0.0000	0.0002	6.822e-03
	Ka.C.19	0.0000	0.0005	12.919e-03
	Ka.C.20	0.0000	0.0010	6.609e-03
	Ka.C.21	0.0000	0.0003	6.609e-03
	Ka.C.22	0.0000	0.0003	6.609e-03
K4	Ka.C.(w1)	0.0000	0.0000	-0.004e-03
	Ka.C.1	0.0000	0.0000	-0.004e-03
	Ka.C.3	0.0000	0.0000	-4.180e-03
	Ka.C.4	0.0000	0.0000	-4.180e-03
	Ka.C.5	0.0000	0.0000	-5.688e-03
	Ka.C.7	0.0000	0.0000	0.366e-03
	Ka.C.8	0.0000	0.0000	0.366e-03
	Ka.C.11	0.0000	0.0000	4.361e-03
	Ka.C.12	0.0000	0.0000	4.361e-03
	Ka.C.13	0.0000	0.0000	2.853e-03
	Ka.C.15	0.0000	0.0000	8.907e-03
	Ka.C.16	0.0000	0.0000	8.907e-03
	Ka.C.17	0.0000	0.0000	7.400e-03
	Ka.C.19	0.0000	0.0000	-0.004e-03
	Ka.C.20	0.0000	0.0000	-4.292e-03
	Ka.C.21	0.0000	0.0000	-1.329e-03
	Ka.C.22	0.0000	0.0000	1.321e-03
K5	Ka.C.(w1)	0.0000	0.0002	-0.006e-03
	Ka.C.1	0.0000	0.0002	-0.006e-03
	Ka.C.3	0.0065	0.0001	3.999e-03
	Ka.C.4	0.0065	0.0000	3.999e-03
	Ka.C.5	0.0043	0.0001	2.616e-03
	Ka.C.7	0.0133	0.0002	8.173e-03
	Ka.C.8	0.0133	0.0002	8.173e-03
	Ka.C.11	-0.0062	0.0002	-3.839e-03
	Ka.C.12	-0.0062	0.0001	-3.839e-03
	Ka.C.13	-0.0085	0.0002	-5.222e-03
	Ka.C.15	0.0005	0.0003	0.334e-03
	Ka.C.16	0.0005	0.0002	0.334e-03
	Ka.C.17	-0.0017	0.0003	-1.049e-03
	Ka.C.19	0.0000	0.0004	-0.006e-03
	Ka.C.20	-0.0089	0.0010	-6.136e-03
	Ka.C.21	0.0033	0.0002	1.779e-03
	Ka.C.22	-0.0033	0.0002	-1.791e-03
K6	Ka.C.(w1)	0.0000	0.0002	-0.006e-03
	Ka.C.1	0.0000	0.0002	-0.006e-03
	Ka.C.3	0.0065	-0.0019	3.999e-03
	Ka.C.4	0.0065	-0.0020	3.999e-03
	Ka.C.5	0.0043	-0.0013	2.616e-03
	Ka.C.7	0.0133	-0.0039	8.172e-03
	Ka.C.8	0.0133	-0.0039	8.172e-03
	Ka.C.11	-0.0062	0.0021	-3.839e-03
	Ka.C.12	-0.0062	0.0020	-3.839e-03
	Ka.C.13	-0.0085	0.0028	-5.222e-03
	Ka.C.15	0.0005	0.0001	0.334e-03
	Ka.C.16	0.0005	0.0001	0.334e-03
	Ka.C.17	-0.0017	0.0008	-1.049e-03
	Ka.C.19	0.0000	0.0004	-0.006e-03
	Ka.C.20	-0.0089	0.0042	-6.560e-03
	Ka.C.21	0.0033	-0.0007	1.779e-03
	Ka.C.22	-0.0033	0.0011	-1.791e-03
K7	Ka.C.(w1)	0.0000	0.0002	0.006e-03
	Ka.C.1	0.0000	0.0002	0.006e-03
	Ka.C.3	0.0061	0.0021	3.851e-03
	Ka.C.4	0.0061	0.0020	3.851e-03
	Ka.C.5	0.0083	0.0028	5.238e-03
	Ka.C.7	-0.0005	0.0001	-0.335e-03
	Ka.C.8	-0.0005	0.0001	-0.335e-03
	Ka.C.11	-0.0064	-0.0020	-4.011e-03
	Ka.C.12	-0.0064	-0.0020	-4.011e-03
	Ka.C.13	-0.0042	-0.0013	-2.624e-03
	Ka.C.15	-0.0130	-0.0039	-8.197e-03
	Ka.C.16	-0.0130	-0.0039	-8.197e-03

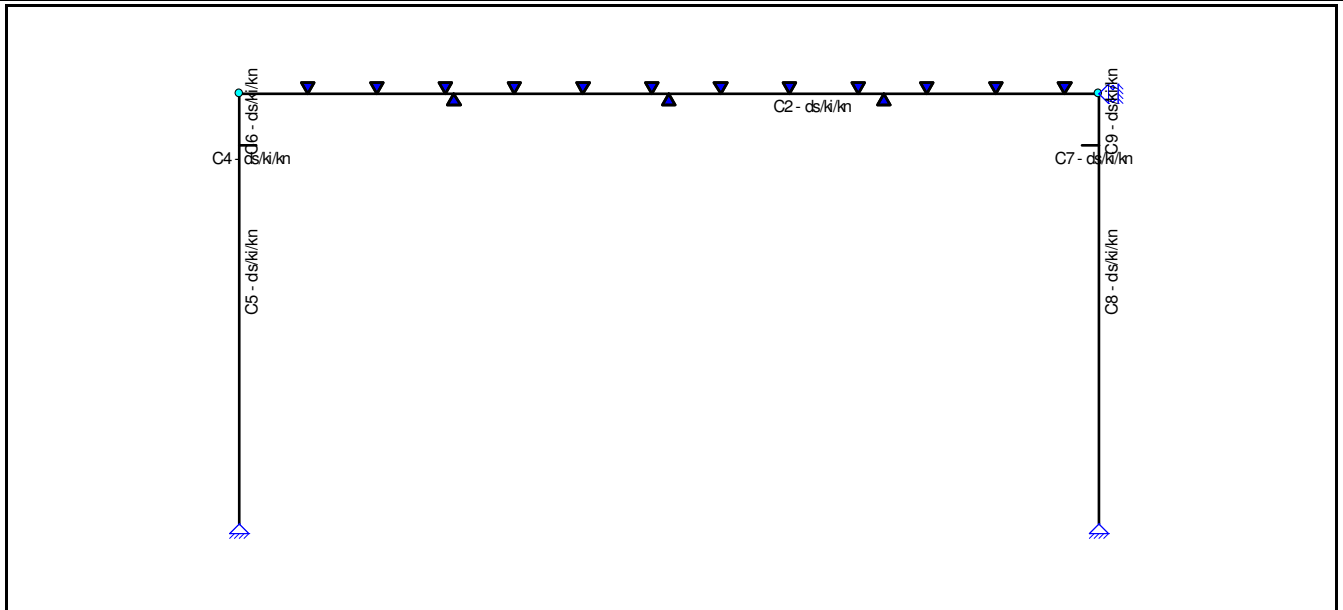
Wopereis Staalbouw		Pos 8 - Tussenspan
---------------------------	--	---------------------------

Knoop	B.C.	X	Z	Yr
K7	Ka.C.17	-0.0108	-0.0032	-6.809e-03
	Ka.C.19	0.0000	0.0004	0.006e-03
	Ka.C.20	0.0090	0.0042	6.554e-03
	Ka.C.21	0.0031	0.0011	1.805e-03
	Ka.C.22	-0.0031	-0.0007	-1.792e-03
K8	Ka.C.(w1)	0.0000	0.0002	0.006e-03
	Ka.C.1	0.0000	0.0002	0.006e-03
	Ka.C.3	0.0061	0.0002	3.850e-03
	Ka.C.4	0.0061	0.0001	3.850e-03
	Ka.C.5	0.0083	0.0002	5.238e-03
	Ka.C.7	-0.0005	0.0003	-0.335e-03
	Ka.C.8	-0.0005	0.0002	-0.335e-03
	Ka.C.11	-0.0064	0.0001	-4.012e-03
	Ka.C.12	-0.0064	0.0000	-4.012e-03
	Ka.C.13	-0.0042	0.0001	-2.624e-03
	Ka.C.15	-0.0130	0.0002	-8.197e-03
	Ka.C.16	-0.0130	0.0002	-8.197e-03
	Ka.C.17	-0.0108	0.0002	-6.810e-03
	Ka.C.19	0.0000	0.0004	0.006e-03
	Ka.C.20	0.0090	0.0010	6.129e-03
	Ka.C.21	0.0031	0.0002	1.804e-03
	Ka.C.22	-0.0031	0.0002	-1.792e-03
-	-	m	m	rad

KA.C. EXTREME DOORBUIGINGEN

Staat	B.C.	Knoop Begin		Staat		Knoop Eind	
		X	Z			X	Z
S2	Ka.C.19	0,000	0,000	12.500	0.1009	0,000	0,000
S4	Ka.C.20	-0,009	0,001	0.211	0.0000	-0,009	0,004
S5	Ka.C.7	0,000	0,000	5.695	0.0277	0,013	0,000
S5	Ka.C.8	0,000	0,000	5.695	0.0277	0,013	0,000
S5	Ka.C.13	0,000	0,000	5.696	-0.0177	-0,008	0,000
S6	Ka.C.7	0,013	0,000	0.640	0.0001	0,000	0,000
S6	Ka.C.8	0,013	0,000	0.640	0.0001	0,000	0,000
S6	Ka.C.13	-0,008	0,000	0.640	-0.0001	0,000	0,000
S7	Ka.C.20	0,009	0,004	0.289	0.0000	0,009	0,001
S8	Ka.C.5	0,000	0,000	5.696	0.0177	0,008	0,000
S8	Ka.C.15	0,000	0,000	5.695	-0.0277	-0,013	0,000
S8	Ka.C.16	0,000	0,000	5.695	-0.0277	-0,013	0,000
S9	Ka.C.5	0,008	0,000	0.640	0.0001	0,000	0,000
S9	Ka.C.15	-0,013	0,000	0.640	-0.0001	0,000	0,000
S9	Ka.C.16	-0,013	0,000	0.640	-0.0001	0,000	0,000
-	-	m	m	m	m	m	m

AFB. STAALCONTROLE / STEEL CODE CHECK



SAMENSTELLING CONSTRUCTIEDELEN

Constructiedeel	Staal/staven
C2	S2
C4	S4
C5	S5
C6	S6
C7	S7
C8	S8
C9	S9

KNIKLENGTEGEGEVENS

Staal	Profiel	Lokale Y-as				Lokale Z-as			
		Lsys	methode	Lbuc	Lbuc/Lsys	methode	Lbuc	Lbuc/Lsys	
C2 - V1 (0.000-25.000)	P3	25.000	Geschoord	24.063	0.96	Cons. gesch.	25.000	1.00	
C4 - V1 (0.000-0.500)	P2	0.500	Geschoord	0.490	0.98	Cons. gesch.	0.500	1.00	
C5 - V1 (0.000-11.000)	P1	11.000	Geschoord	10.588	0.96	Cons. gesch.	11.000	1.00	
C6 - V1 (0.000-1.500)	P1	1.500	Geschoord	1.444	0.96	Cons. gesch.	1.500	1.00	
C7 - V1 (0.000-0.500)	P2	0.500	Geschoord	0.490	0.98	Cons. gesch.	0.500	1.00	
C8 - V1 (0.000-11.000)	P1	11.000	Geschoord	10.588	0.96	Cons. gesch.	11.000	1.00	
C9 - V1 (0.000-1.500)	P1	1.500	Geschoord	1.444	0.96	Cons. gesch.	1.500	1.00	
-	-	m	-	m	-	-	m	-	-

KIPSTEUNENGEGEVENS

Staal	Profiel	Begin:	Eind:	Kipsteunen boven	Kipsteunen onder	Aangrijphoogte
C2 - V1 (0.000-25.000)	P3	Gesteund	Gesteund	2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24	6.25, 12.5, 18.75	Bovenflens +10%
C4 - V1 (0.000-0.500)	P2	Gesteund	Overstek			Centrum
C5 - V1 (0.000-11.000)	P1	Gesteund	Gesteund			Centrum
C6 - V1 (0.000-1.500)	P1	Gesteund	Gesteund			Centrum
C7 - V1 (0.000-0.500)	P2	Overstek	Gesteund			Centrum
C8 - V1 (0.000-11.000)	P1	Gesteund	Gesteund			Centrum
C9 - V1 (0.000-1.500)	P1	Gesteund	Gesteund			Centrum
-	-	-	-	m	m	-

UNITY CHECK NEN-EN1993-1-1:2016/NB:2016

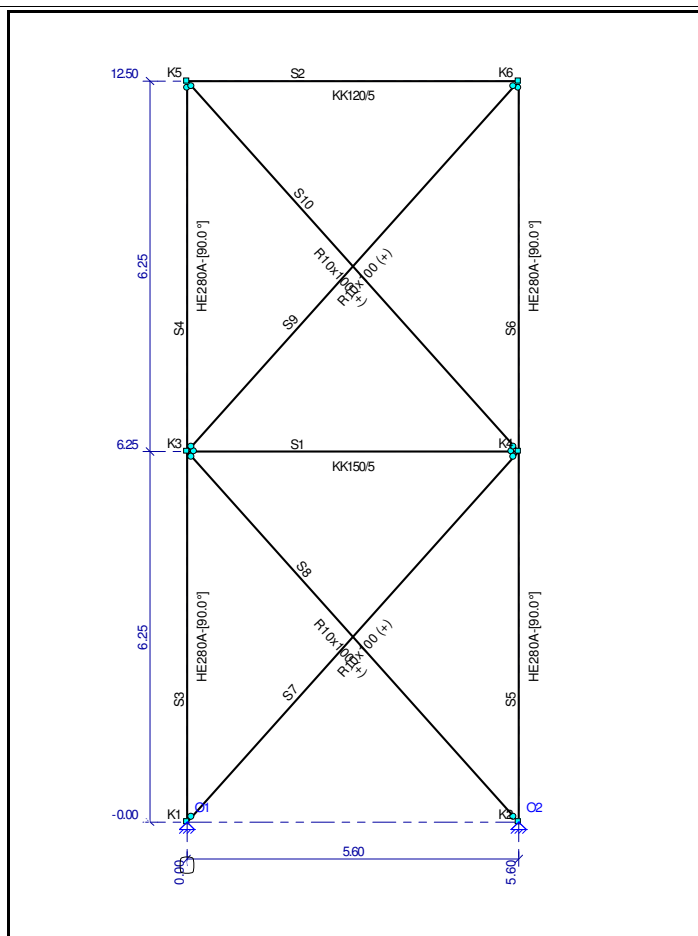
Veld	Toetsing	Combinatie	Artikel	UC max
C2-V1 (0.000-25.000)	Doorsnede	Fu.C.18	Controle 1b: Buiging om de zwakke as	0,77
C2-V1 (0.000-25.000)	Stabiliteit	Fu.C.6	NEN-EN1993-1-1(6.46)	0,02

Wopereis Staalbouw		Pos 8 - Tussenspan
---------------------------	--	---------------------------

Veld	Toetsing	Combinatie	Artikel	UC max
C2-V1 (0.000-25.000)	Stabiliteit	Fu.C.6	NEN-EN1993-1-1(6.46)	0,51
C2-V1 (0.000-25.000)	Stabiliteit	Fu.C.6	NEN-EN1993-1-1(6.61&6.62)	1,00
C2-V1 (0.000-25.000)	Kiptoetsing	Fu.C.18	NEN-EN1993-1-1(6.54)	0,97
C4-V1 (0.000-0.500)	Doorsnede	Fu.C.19	NEN-EN1993-1-1(6.17)	0,43
C4-V1 (0.000-0.500)	Stabiliteit	Fu.C.20	NEN-EN1993-1-1(6.46)	0,01
C4-V1 (0.000-0.500)	Stabiliteit	Fu.C.20	NEN-EN1993-1-1(6.46)	0,01
C4-V1 (0.000-0.500)	Stabiliteit	Fu.C.20	NEN-EN1993-1-1(6.61&6.62)	0,47
C4-V1 (0.000-0.500)	Kiptoetsing	Fu.C.22	NEN-EN1993-1-1(6.54)	0,00
C5-V1 (0.000-11.000)	Doorsnede	Fu.C.20	NEN-EN1993-1-1(6.12)	0,44
C5-V1 (0.000-11.000)	Stabiliteit	Fu.C.20	NEN-EN1993-1-1(6.46)	0,18
C5-V1 (0.000-11.000)	Stabiliteit	Fu.C.20	NEN-EN1993-1-1(6.46)	0,40
C5-V1 (0.000-11.000)	Stabiliteit	Fu.C.20	NEN-EN1993-1-1(6.61&6.62)	0,87
C5-V1 (0.000-11.000)	Kiptoetsing	Fu.C.6	NEN-EN1993-1-1(6.54)	0,55
C6-V1 (0.000-1.500)	Doorsnede	Fu.C.6	NEN-EN1993-1-1(6.12)	0,16
C6-V1 (0.000-1.500)	Stabiliteit	Fu.C.6	NEN-EN1993-1-1(6.46)	0,01
C6-V1 (0.000-1.500)	Stabiliteit	Fu.C.6	NEN-EN1993-1-1(6.46)	0,01
C6-V1 (0.000-1.500)	Stabiliteit	Fu.C.6	NEN-EN1993-1-1(6.61&6.62)	0,14
C6-V1 (0.000-1.500)	Kiptoetsing	Fu.C.22	NEN-EN1993-1-1(6.54)	0,00
C7-V1 (0.000-0.500)	Doorsnede	Fu.C.20	NEN-EN1993-1-1(6.17)	0,43
C7-V1 (0.000-0.500)	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.46)	0,01
C7-V1 (0.000-0.500)	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.46)	0,01
C7-V1 (0.000-0.500)	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.61&6.62)	0,47
C7-V1 (0.000-0.500)	Kiptoetsing	Fu.C.22	NEN-EN1993-1-1(6.54)	0,00
C8-V1 (0.000-11.000)	Doorsnede	Fu.C.19	NEN-EN1993-1-1(6.12)	0,44
C8-V1 (0.000-11.000)	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.46)	0,18
C8-V1 (0.000-11.000)	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.46)	0,40
C8-V1 (0.000-11.000)	Stabiliteit	Fu.C.19	NEN-EN1993-1-1(6.61&6.62)	0,87
C8-V1 (0.000-11.000)	Kiptoetsing	Fu.C.14	NEN-EN1993-1-1(6.54)	0,55
C9-V1 (0.000-1.500)	Doorsnede	Fu.C.14	NEN-EN1993-1-1(6.12)	0,16
C9-V1 (0.000-1.500)	Stabiliteit	Fu.C.14	NEN-EN1993-1-1(6.46)	0,01
C9-V1 (0.000-1.500)	Stabiliteit	Fu.C.14	NEN-EN1993-1-1(6.46)	0,01
C9-V1 (0.000-1.500)	Stabiliteit	Fu.C.14	NEN-EN1993-1-1(6.61&6.62)	0,14
C9-V1 (0.000-1.500)	Kiptoetsing	Fu.C.22	NEN-EN1993-1-1(6.54)	0,00

Wopereis Staalbouw		Pos 9 - Windverband	
Projectnaam		Projectnummer	
Omschrijving		Constructeur	
Opdrachtgever		Eenheden	m, kN, kNm
Bestand	K:\Engineering Staalbouw\SJOERDKR\Berekeningen\A-1000 - Baltes - Steenderen - Nijverheidsweg 9\STATISCH\20170425 - Hal\20170426 - Pos 9 - Windverband.mxf		

AFB. GEOMETRIE RAAMWERK



STAVEN

Staf	Knoop B	B	Scharnier E	Knoop E	Profiel	X-B	Z-B	X-E	Z-E	Lengte
S1	K3	NV-	NV-	K4	P2	0,000	-6,250	5,600	-6,250	5,600
S2	K5	NVM	NVM	K6	P4	0,000	-12,500	5,600	-12,500	5,600
S3	K1	NVM	NVM	K3	P1	0,000	0,000	0,000	-6,250	6,250
S4	K3	NVM	NV-	K5	P1	0,000	-6,250	0,000	-12,500	6,250
S5	K2	NVM	NVM	K4	P1	5,600	0,000	5,600	-6,250	6,250
S6	K4	NVM	NV-	K6	P1	5,600	-6,250	5,600	-12,500	6,250
S7	K1	NV-	NV-	K4	P3	0,000	0,000	5,600	-6,250	8,392
S8	K3	NV-	NV-	K2	P3	0,000	-6,250	5,600	0,000	8,392
S9	K3	NV-	NV-	K6	P3	0,000	-6,250	5,600	-12,500	8,392
S10	K5	NV-	NV-	K4	P3	0,000	-12,500	5,600	-6,250	8,392
-	-	-	-	-	-	m	m	m	m	m

PROFIELEN

Profiel	Profielnaam	Oppervlakte	Iy	Materiaal	Hoek
P1	HE280A	9.7264e-03	4.7626e-05	S235	90,0
P2	KK150/5	2.8356e-03	9.8212e-06	S235H(EN10219-1)	0,0
P3	R10x100	1.0000e-03	8.3333e-07	S235	0,0
P4	KK120/5	2.2356e-03	4.8547e-06	S235H(EN10219-1)	0,0
-	-	m2	m4	-	°

PROFIELVORMEN

Profiel	Verl. h.	hB	hE	tf	tw	tf2	B	bL	bR Raatl.	Hoogte
P3	Nee	0.100	0.100	0.000	0.000	0.000	0.010	0.000	0.000 Nee	0.000

Wopereis Staalbouw	Pos 9 - Windverband
--------------------	---------------------

-	-	m	m	m	m	m	m	m	m	-	m
---	---	---	---	---	---	---	---	---	---	---	---

MATERIALEN

Materiaal	Dichtheid	E-Modulus	Uitzettingcoëff
S235	78.50	2.1000e+08	12.0000e-06
S235H(EN10219-1)	78.50	2.1000e+08	12.0000e-06
-	kN/m3	kN/m2	C°m

PROFIELEN (GEAVANCEERD)

Profiel	Ivv	Avz	Trek	Druk	Kabelelement	Voorspanning
P3	8.3333e-09	8.3333e-04	Ja	Nee	Nee	0.00
-	m4	m2	-	-	-	kN

OPLEGGINGEN

Oplegging	Knoop	X	Z	Yr	HoekYr
O1	K1	vast	vast	vrij	0
O2	K2	vast	vast	vrij	0
-	-	kN/m	kN/m	kNm/rad	°

GEWICHTSBEREKENING

Index	Staven	Berekening	Waarde	Eenheden
Gemeenschappelijk				
	Belastingen en vervormingen	NEN-EN1991		
Lsys1	Systeemmaat	2.8	2,80	[m]
Height1	Totale hoogte van constructie	12.50	12,50	[m]
Width1	Totale diepte van constructie	25.00	25,00	[m]
Width2	Totale breedte van constructie	33.96	33,96	[m]

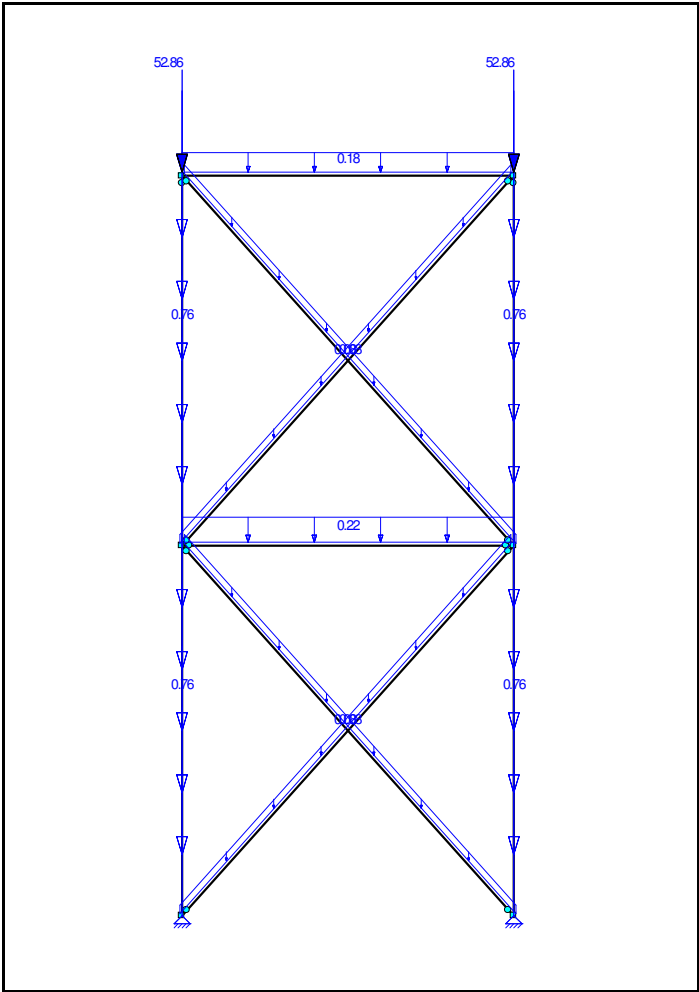
BELASTINGSGEVALLEN TYPEN

Oplegg.	Staven	B.G.Type	Gunstig/Ong.	Element	Niveau	Veld	Psi0	Psi1	Psi2	Cprob
B.G.1	Permanente Belasting	Permanent	-		N.v.t.	N.v.t.				
B.G.2	Windbelasting van Links + Overdruk	Windbelasting	+		N.v.t.	N.v.t.	0.20			1,00
B.G.3	Windbelasting van Rechts + Overdruk	Windbelasting	+		N.v.t.	N.v.t.	0.20			1,00
B.G.4	Sneeuwbelasting 1	Sneeuwbelasting	-		N.v.t.	N.v.t.	0.20			1,00
B.G.5	Kniklengte	Kniklengte			N.v.t.	N.v.t.				

B.G.1: PERMANENTE BELASTING

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.1: Permanente Belasting					
qG	0,18 (1.00x)	0,18 (1.00x)	0,000	5,600(L)	Z" S2
qG	0,22 (1.00x)	0,22 (1.00x)	0,000	5,600(L)	Z" S1
qG	0,76 (1.00x)	0,76 (1.00x)	0,000	6,250(L)	Z" S3-S6
qG	0,08 (1.00x)	0,08 (1.00x)	0,000	8,392(L)	Z" S7-S10
N	52,86				Z K5-K6
-	-	-	m	m	- -

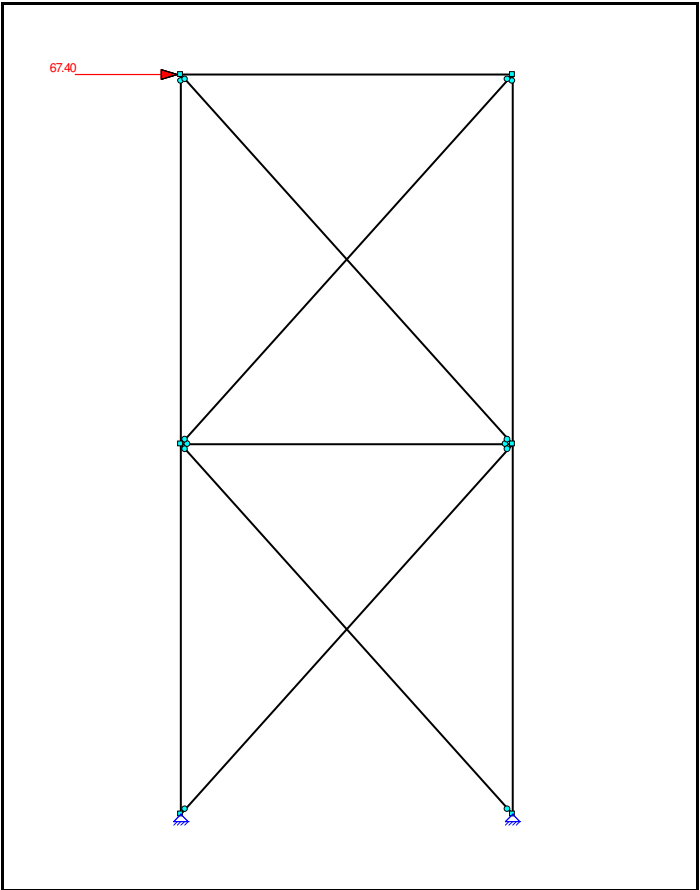
B.G.1: PERMANENTE BELASTING



B.G.2: WINDBELASTING VAN LINKS + OVERDRUK

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.2: Windbelasting van Links + Overdruk					
N	67,40	-	m	m	X K5
-	-	-	-	-	- -

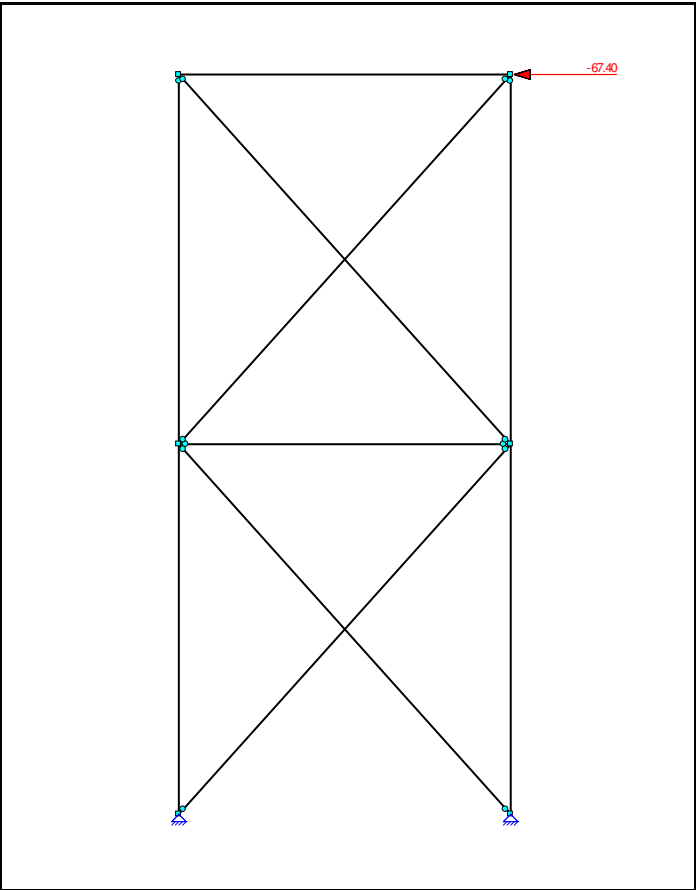
B.G.2: WINDBELASTING VAN LINKS + OVERDRUK



B.G.3: WINDBELASTING VAN RECHTS + OVERDRUK

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.3: Windbelasting van Rechts + Overdruk						
N	-67,40					X K6
-	-	-	m	m	- -	

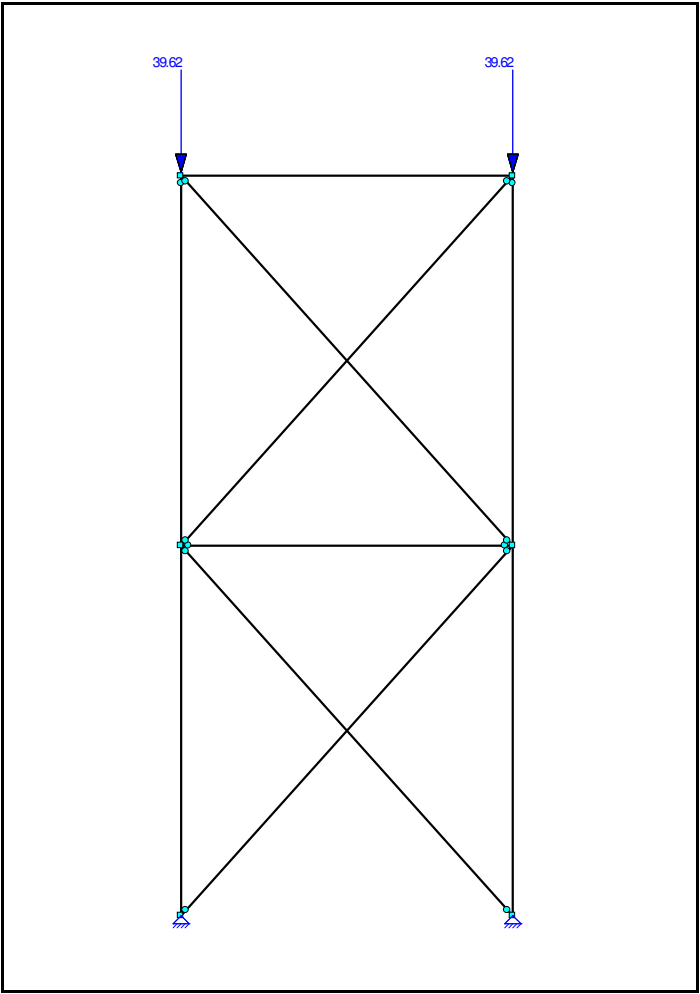
B.G.3: WINDBELASTING VAN RECHTS + OVERDRUK



B.G.4: SNEEUWBELASTING 1

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staaf of knoop
B.G.4: Sneeuwbelasting 1						
N	39,62	-	m	m	-	Z K5-K6
-	-	-	m	m	-	-

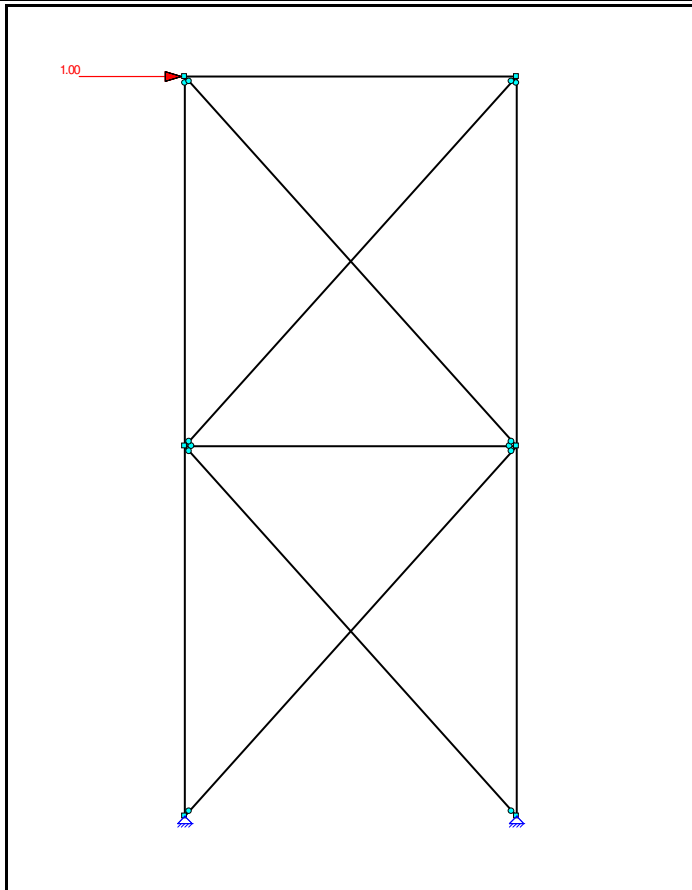
B.G.4: SNEEUWBELASTING 1



B.G.5: KNIKLENGTE

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.5: Kniklengte					
N	1,00	-	m	m	X K5
-	-	-	m	m	- -

B.G.5: KNIKLENGTE



FUNDAMENTEEL BELASTINGSCOMBINATIES (TABEL)

B.G.	Omschrijving	Fu.C.1	Fu.C.2	Fu.C.3	Fu.C.4	Fu.C.5
B.G.1	Permanente Belasting	0.90	0.90	1.20	1.35	0.90
B.G.2	Windbelasting van Links + Overdruk	1.50	-	-	-	-
B.G.3	Windbelasting van Rechts + Overdruk	-	1.50	-	-	-
B.G.4	Sneeuwbelasting 1	-	-	1.50	-	-
B.G.5	Kniklengte	-	-	-	-	-

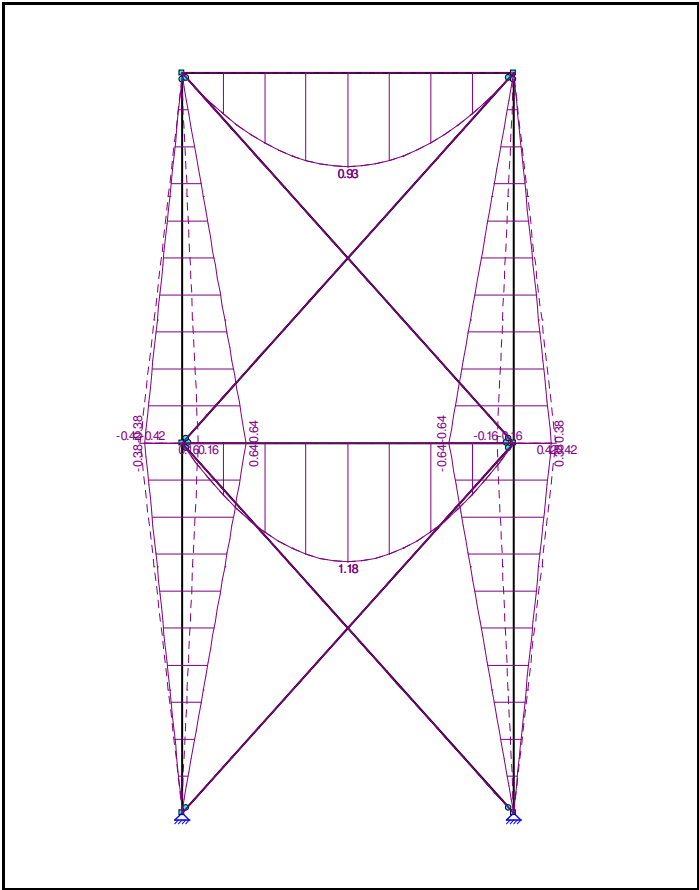
UITGANGSPUNTEN VAN DE ANALYSE

Geavanceerde Analyse

Trekelemen(en) gebruikt

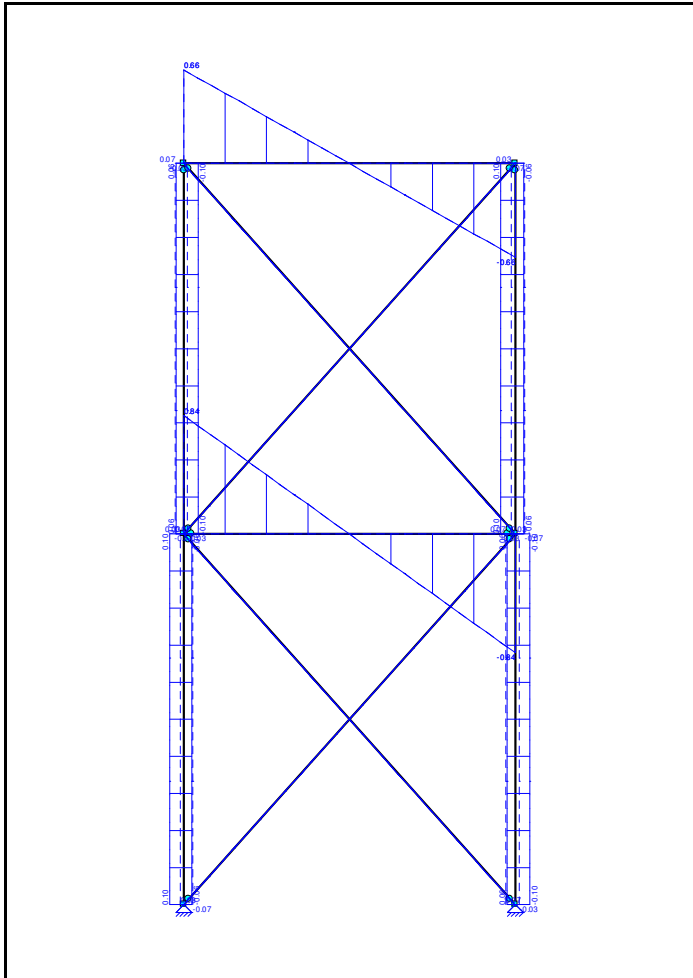
AFB. F.U.C. MOMENT (MY) OMHULLENDE

Fundamenteel Belastingscombinaties



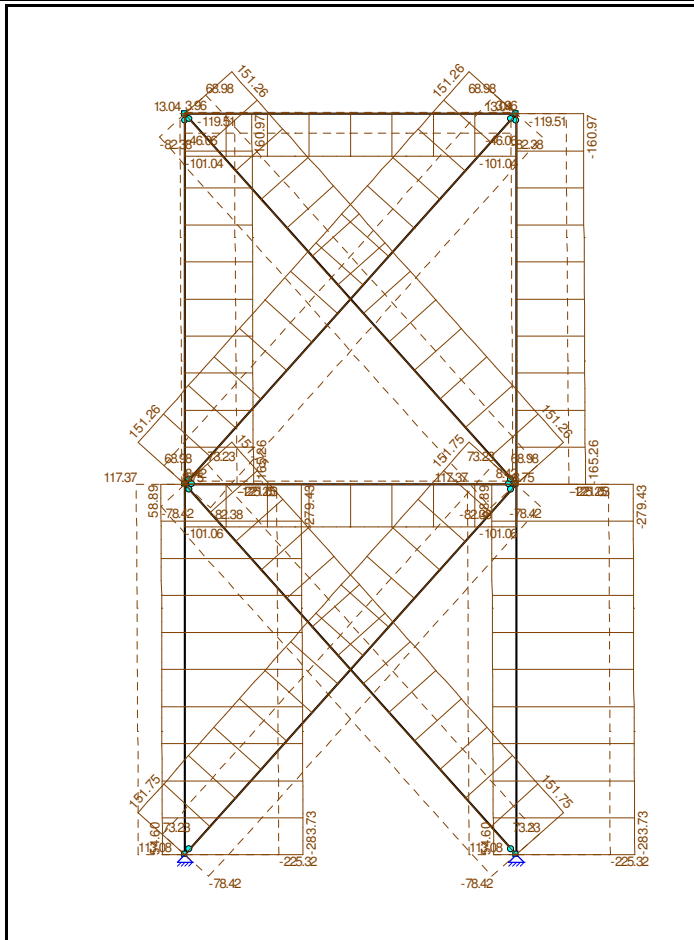
AFB. FU.C. DRWARKRACHT (VZ) / SHEAR FORCE (VZ) OMHULLENDE

Fundamenteel Belastingscombinaties



AFB. FU.C. NORMAALKRACHT (NX) / NORMAL FORCE (NX) OMHULLENDE

Fundamenteel Belastingscombinaties



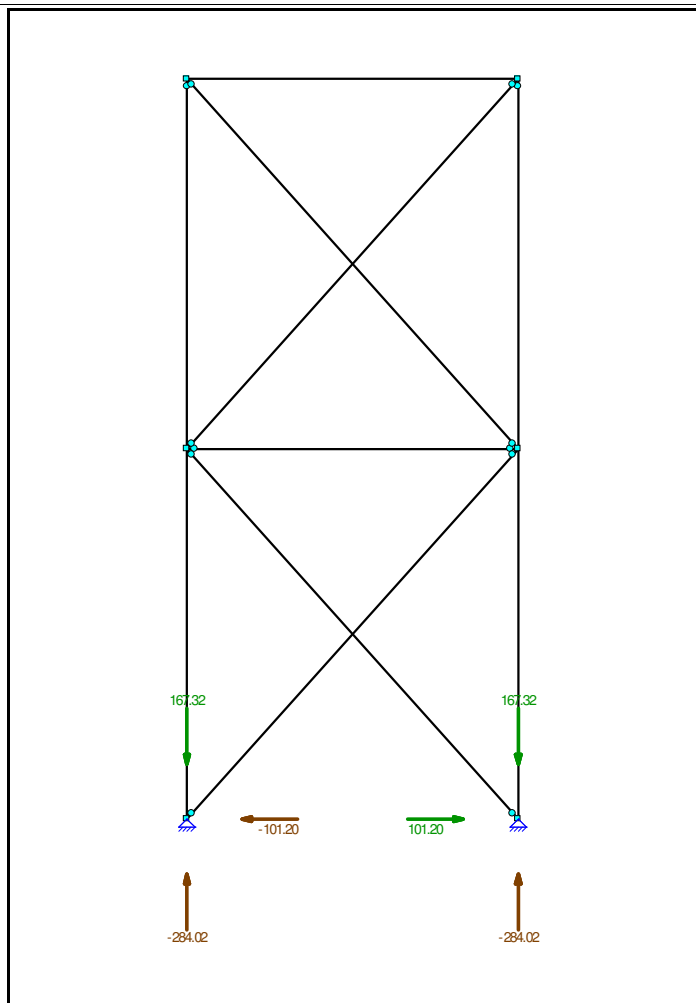
FU.C. STAAFKRACHTEN ANALYSE

Staaf	B.C.	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Vb	Vmax	Ve
S1	Fu.C.1	0.00	0.79	2.800	0.00	0.000	0.000 D	-101.06	0.56	0.56	-0.56
	Fu.C.2	0.00	0.79	2.800	0.00	0.000	0.000 D	-101.06	0.56	0.56	-0.56
	Fu.C.3	0.00	1.05	2.800	0.00	0.000	0.000 -	0.00	0.75	-0.75	-0.75
	Fu.C.4	0.00	1.18	2.800	0.00	0.000	0.000 -	0.00	0.84	0.84	-0.84
	Fu.C.5	0.00	0.79	2.800	0.00	0.000	0.000 -	0.00	0.56	0.56	-0.56
S2	Fu.C.1	0.00	0.62	2.800	0.00	0.000	0.000 D	-101.04	0.44	0.44	-0.44
	Fu.C.2	0.00	0.62	2.800	0.00	0.000	0.000 D	-101.04	0.44	0.44	-0.44
	Fu.C.3	0.00	0.83	2.800	0.00	0.000	0.000 -	0.00	0.59	0.59	-0.59
	Fu.C.4	0.00	0.93	2.800	0.00	0.000	0.000 -	0.00	0.66	0.66	-0.66
	Fu.C.5	0.00	0.62	2.800	0.00	0.000	0.000 -	0.00	0.44	0.44	-0.44
S3	Fu.C.1	0.00			-0.38	0.000	0.000 T	58.89	-0.06	-0.06	-0.06
	Fu.C.2	0.00			0.64	0.000	0.000 D	-283.73	0.10	0.10	0.10
	Fu.C.3	0.00			0.00	2.083	4.167 D	-136.93	0.00	0.00	0.00
	Fu.C.4	0.00			0.00	2.083	4.167 D	-87.08	0.00	0.00	0.00
	Fu.C.5	0.00			0.00	2.083	4.167 D	-58.06	0.00	0.00	0.00
S4	Fu.C.1	-0.38			0.00	0.000	0.000 D	-52.61	0.06	0.06	0.06
	Fu.C.2	0.64			0.00	0.000	0.000 D	-165.26	-0.10	-0.10	-0.10
	Fu.C.3	0.00			0.00	2.083	4.167 D	-129.66	0.00	0.00	0.00
	Fu.C.4	0.00			0.00	2.083	4.167 D	-78.91	0.00	0.00	0.00
	Fu.C.5	0.00			0.00	2.083	4.167 D	-52.61	0.00	0.00	0.00
S5	Fu.C.1	0.00			-0.64	0.000	0.000 D	-283.73	-0.10	-0.10	-0.10
	Fu.C.2	0.00			0.38	0.000	0.000 T	58.89	0.06	0.06	0.06
	Fu.C.3	0.00			0.00	2.083	4.167 D	-136.93	0.00	0.00	0.00
	Fu.C.4	0.00			0.00	2.083	4.167 D	-87.08	0.00	0.00	0.00
	Fu.C.5	0.00			0.00	2.083	4.167 D	-58.06	0.00	0.00	0.00
S6	Fu.C.1	-0.64			0.00	0.000	0.000 D	-165.26	0.10	0.10	0.10
	Fu.C.2	0.38			0.00	0.000	0.000 D	-52.61	-0.06	-0.06	-0.06
	Fu.C.3	0.00			0.00	2.083	4.167 D	-129.66	0.00	0.00	0.00

Staal	B.C.	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Vb	Vmax	Ve
S6	Fu.C.4	0.00			0.00	2.083	4.167 D	-78.91	0.00	0.00	0.00
	Fu.C.5	0.00			0.00	2.083	4.167 D	-52.61	0.00	0.00	0.00
S7	Fu.C.1	0.00			0.00	0.000	0.000 T	151.75	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.4	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.5	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S8	Fu.C.1	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	0.000	0.000 T	151.75	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.4	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.5	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S9	Fu.C.1	0.00			0.00	0.000	0.000 T	151.26	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.4	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.5	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
S10	Fu.C.1	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.2	0.00			0.00	0.000	0.000 T	151.26	0.00	0.00	0.00
	Fu.C.3	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.4	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
	Fu.C.5	0.00			0.00	0.000	0.000 R	0.00	0.00	0.00	0.00
-	-	kNm	kNm	m	kNm	m	m -	kN	kN	kN	kN

AFB. FU.C. OPLEGREACTIES / SUPPORT REACTIONS OMHULLENDE

Fundamenteel Belastingscombinaties



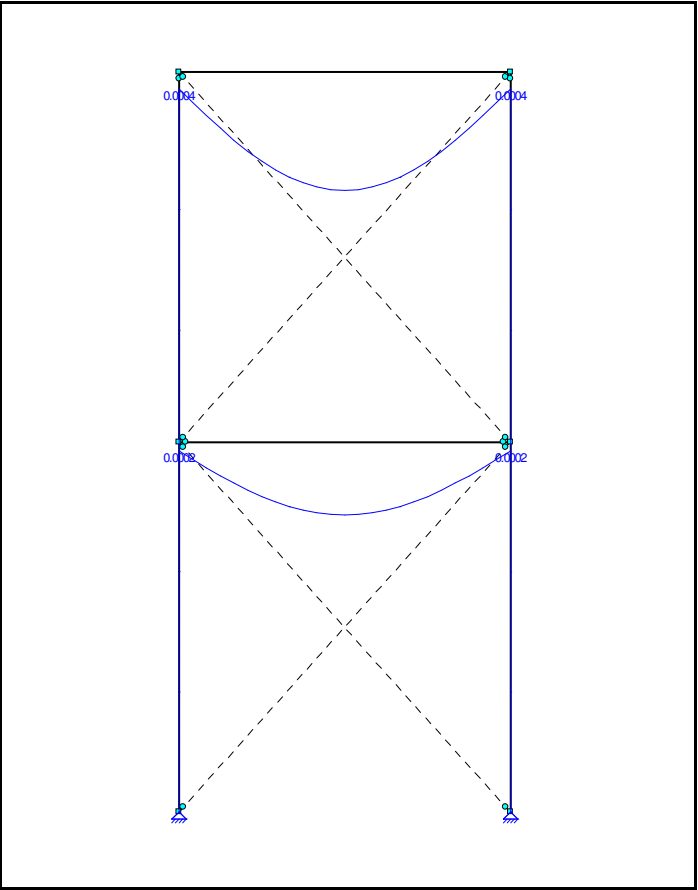
FU.C. EXTREME OPLEGREACTIES ANALYSE

Oplegging	Knoop	B.C.	Xmax	Z	My B.C.	X	Zmax	My B.C.	X	Z	Mymax
O1	K1	Fu.C.1	-101.20	167.32	0.00						

Oplegging	Knoop	B.C.	Xmax	Z	My B.C.	X	Zmax	My B.C.	X	Z	Mymax
O1	K1	Fu.C.1	-101.20	167.32	0.00	-0.10	-284.02	0.00			
O2	K2	Fu.C.2	101.20	167.32	0.00	101.20	167.32	0.00			
O2	K2				Fu.C.1	0.10	-284.02	0.00			
Globale extreme waarden											
O2	K2	Fu.C.2	101.20	167.32	0.00						
O1	K1	Fu.C.1	-101.20	167.32	0.00						
O2	K2				Fu.C.2	101.20	167.32	0.00			
O2	K2				Fu.C.1	0.10	-284.02	0.00			
-	-	-	kN	kN	kNm	-	kN	kN	kNm	kN	kN kNm

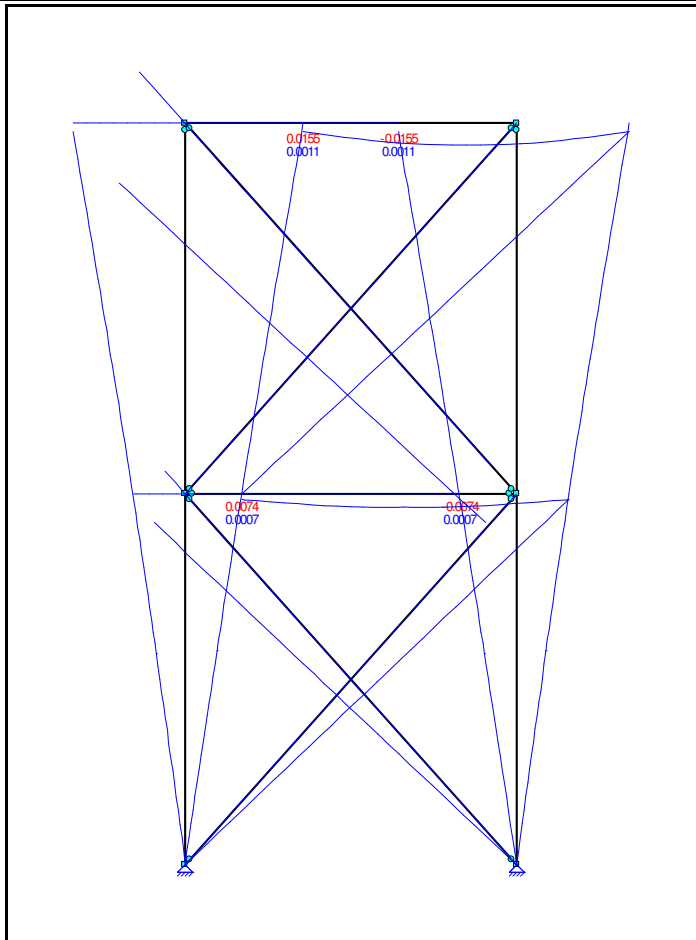
AFB. KA.C.(W1) VERPLAATSINGEN / DISPLACEMENTS

Ka.C.(w1) Belastingscombinaties



AFB. KA.C. VERPLAATSINGEN / DISPLACEMENTS OMHULLENDE

Karakteristiek Belastingscombinaties

**KA.C. KNOOPVERPLAATSINGEN ANALYSE**

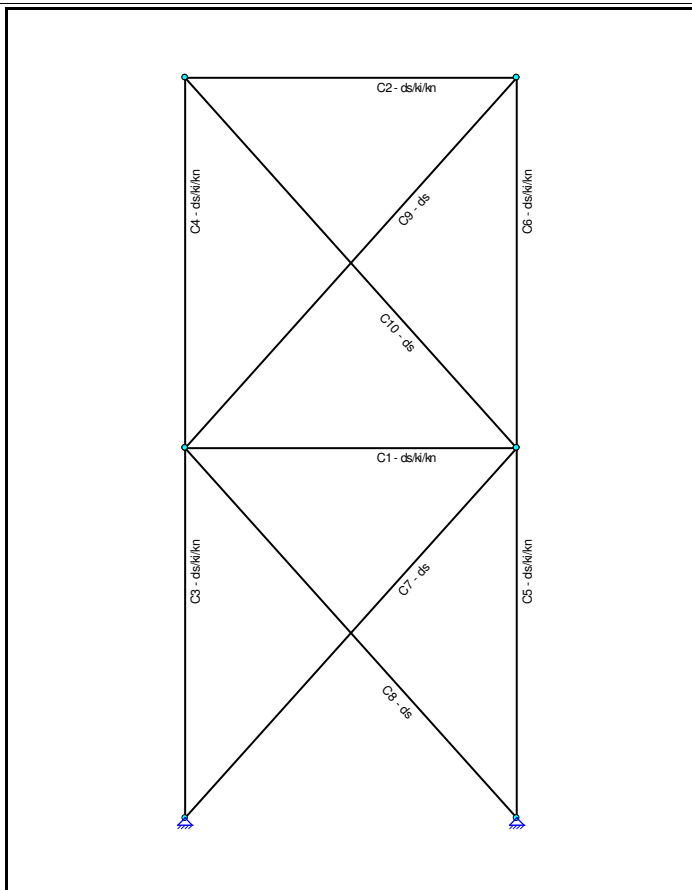
Knoop	B.C.	X	Z	Yr
K1	Ka.C.(w1)	0.0000	0.0000	-0.000e-03
	Ka.C.1	0.0000	0.0000	-0.000e-03
	Ka.C.2	0.0000	0.0000	-1.161e-03
	Ka.C.3	0.0000	0.0000	1.041e-03
	Ka.C.4	0.0000	0.0000	-0.000e-03
K2	Ka.C.(w1)	0.0000	0.0000	-0.000e-03
	Ka.C.1	0.0000	0.0000	-0.000e-03
	Ka.C.2	0.0000	0.0000	-1.041e-03
	Ka.C.3	0.0000	0.0000	1.161e-03
	Ka.C.4	0.0000	0.0000	-0.000e-03
K3	Ka.C.(w1)	0.0000	0.0002	-0.000e-03
	Ka.C.1	0.0000	0.0002	-0.000e-03
	Ka.C.2	0.0074	0.0000	-1.238e-03
	Ka.C.3	-0.0068	0.0007	1.174e-03
	Ka.C.4	0.0000	0.0003	-0.000e-03
K4	Ka.C.(w1)	0.0000	0.0002	-0.000e-03
	Ka.C.1	0.0000	0.0002	-0.000e-03
	Ka.C.2	0.0068	0.0007	-1.174e-03
	Ka.C.3	-0.0074	0.0000	1.238e-03
	Ka.C.4	0.0000	0.0003	-0.000e-03
K5	Ka.C.(w1)	0.0000	0.0004	-1.260e-03
	Ka.C.1	0.0000	0.0004	-1.260e-03
	Ka.C.2	0.0155	0.0001	-1.424e-03
	Ka.C.3	-0.0147	0.0011	-1.095e-03
	Ka.C.4	0.0000	0.0006	-1.260e-03
K6	Ka.C.(w1)	0.0000	0.0004	1.260e-03
	Ka.C.1	0.0000	0.0004	1.260e-03
	Ka.C.2	0.0147	0.0011	1.095e-03
	Ka.C.3	-0.0155	0.0001	1.424e-03
	Ka.C.4	0.0000	0.0006	1.260e-03

-	-	m	m	rad
---	---	---	---	-----

KA.C. EXTREME DOORBUIGINGEN ANALYSE

Staaf	B.C.	Knoop Begin		Staaf		Knoop Eind	
		X	Z	Z'afst	Z'	X	Z
S1	Ka.C.(w1)	0,000	0,000	2.800	0.0014	0,000	0,000
S1	Ka.C.1	0,000	0,000	2.800	0.0014	0,000	0,000
S2	Ka.C.(w1)	0,000	0,000	2.800	0.0022	0,000	0,000
S2	Ka.C.1	0,000	0,000	2.800	0.0022	0,000	0,000
S3	Ka.C.2	0,000	0,000	3.608	-0.0001	0,007	0,000
S3	Ka.C.3	0,000	0,000	3.608	0.0001	-0,007	0,001
S4	Ka.C.2	0,007	0,000	2.642	-0.0001	0,015	0,000
S4	Ka.C.3	-0,007	0,001	2.642	0.0001	-0,015	0,001
S5	Ka.C.2	0,000	0,000	3.608	-0.0001	0,007	0,001
S5	Ka.C.3	0,000	0,000	3.608	0.0001	-0,007	0,000
S6	Ka.C.2	0,007	0,001	2.642	-0.0001	0,015	0,001
S6	Ka.C.3	-0,007	0,000	2.642	0.0001	-0,015	0,000
-	-	m	m	m	m	m	m

AFB. STAALCONTROLE / STEEL CODE CHECK



SAMENSTELLING CONSTRUCTIEDELEN

Constructiedeel	Staal/staven
C1	S1
C2	S2
C3	S3
C4	S4
C5	S5
C6	S6
C7	S7
C8	S8
C9	S9
C10	S10

Wopereis Staalbouw		Pos 9 - Windverband
---------------------------	--	----------------------------

KNIKLENGTEGEGEVENS

Staaft	Profiel	Lokale Y-as				Lokale Z-as		
		Lsys	methode	Lbuc	Lbuc/Lsys	methode	Lbuc	Lbuc/Lsys
C1 - V1 (0.000-5.600)	P2	5.600	Cons. gesch.	5.600	1.00	Cons. gesch.	5.600	1.00
C2 - V1 (0.000-5.600)	P4	5.600	Cons. gesch.	5.600	1.00	Cons. gesch.	5.600	1.00
C3 - V1 (0.000-6.250)	P1	6.250	Cons. gesch.	6.250	1.00	Cons. gesch.	6.250	1.00
C4 - V1 (0.000-6.250)	P1	6.250	Cons. gesch.	6.250	1.00	Cons. gesch.	6.250	1.00
C5 - V1 (0.000-6.250)	P1	6.250	Cons. gesch.	6.250	1.00	Cons. gesch.	6.250	1.00
C6 - V1 (0.000-6.250)	P1	6.250	Cons. gesch.	6.250	1.00	Cons. gesch.	6.250	1.00
-	-	m	-	m	-	-	m	-

KIPSTEUNENGEDEVENS

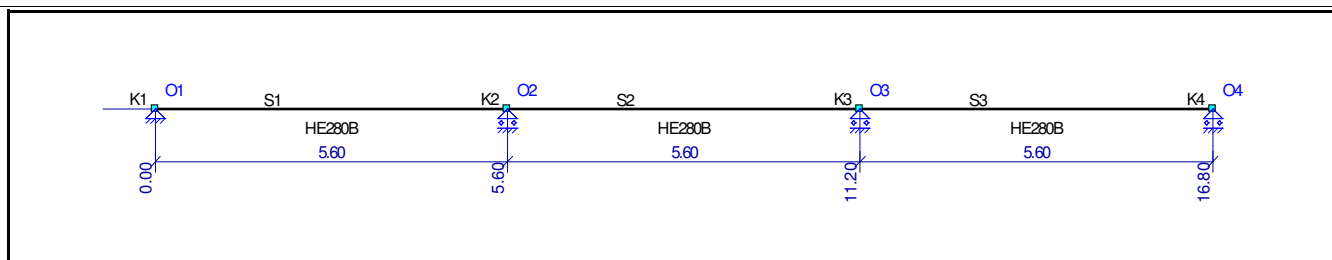
Staaft	Profiel	Begin:	Eind:	Kipsteunen boven	Kipsteunen onder	Aangrijphoogte
C1 - V1 (0.000-5.600)	P2	Gesteund	Gesteund			Centrum
C2 - V1 (0.000-5.600)	P4	Gesteund	Gesteund			Centrum
C3 - V1 (0.000-6.250)	P1	Gesteund	Gesteund			Centrum
C4 - V1 (0.000-6.250)	P1	Gesteund	Gesteund			Centrum
C5 - V1 (0.000-6.250)	P1	Gesteund	Gesteund			Centrum
C6 - V1 (0.000-6.250)	P1	Gesteund	Gesteund			Centrum
-	-	-	-	m	m	-

UNITY CHECK NEN-EN1993-1-1:2016/NB:2016

Veld	Toetsing	Combinatie	Artikel	UC max
C1-V1 (0.000-5.600)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.9)	0,15
C1-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,28
C1-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,28
C1-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,31
C1-V1 (0.000-5.600)	Kiptoetsing	Fu.C.5	NEN-EN1993-1-1(6.54)	0,00
C2-V1 (0.000-5.600)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.9)	0,19
C2-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,48
C2-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,48
C2-V1 (0.000-5.600)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,52
C2-V1 (0.000-5.600)	Kiptoetsing	Fu.C.5	NEN-EN1993-1-1(6.54)	0,00
C3-V1 (0.000-6.250)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.9)	0,12
C3-V1 (0.000-6.250)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,15
C3-V1 (0.000-6.250)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,22
C3-V1 (0.000-6.250)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,22
C3-V1 (0.000-6.250)	Kiptoetsing	Fu.C.5	NEN-EN1993-1-1(6.54)	0,00
C4-V1 (0.000-6.250)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.9)	0,07
C4-V1 (0.000-6.250)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,08
C4-V1 (0.000-6.250)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.46)	0,13
C4-V1 (0.000-6.250)	Stabiliteit	Fu.C.2	NEN-EN1993-1-1(6.61&6.62)	0,13
C4-V1 (0.000-6.250)	Kiptoetsing	Fu.C.1	NEN-EN1993-1-1(6.54)	0,00
C5-V1 (0.000-6.250)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.9)	0,12
C5-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,15
C5-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,22
C5-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,22
C5-V1 (0.000-6.250)	Kiptoetsing	Fu.C.5	NEN-EN1993-1-1(6.54)	0,00
C6-V1 (0.000-6.250)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.9)	0,07
C6-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,08
C6-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.46)	0,13
C6-V1 (0.000-6.250)	Stabiliteit	Fu.C.1	NEN-EN1993-1-1(6.61&6.62)	0,13
C6-V1 (0.000-6.250)	Kiptoetsing	Fu.C.1	NEN-EN1993-1-1(6.54)	0,00
C7-V1 (0.000-8.392)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.5)	0,65
C8-V1 (0.000-8.392)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.5)	0,65
C9-V1 (0.000-8.392)	Doorsnede	Fu.C.1	NEN-EN1993-1-1(6.5)	0,64
C10-V1 (0.000-8.392)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.5)	0,64

Wopereis Staalbouw		Pos 10 - verticaal	
Projectnaam		Projectnummer	
Omschrijving		Constructeur	
Opdrachtgever		Eenheden	m, kN, kNm
Bestand	K:\Engineering Staalbouw\SJOERDKR\Berekeningen\A-1000 - Baltes - Steenderen - Nijverheidsweg 9\STATISCH\20170425 - Hal\20170426 - Pos 10 - Kraanbaanligger.mxf		

AFB. GEOMETRIE RAAMWERK



STAVEN

Staaf	Knoop B	B	Scharnier E	Knoop E	Profiel	X-B	Z-B	X-E	Z-E	Lengte
S1	K1	NVM	NVM	K2	P1	0,000	0,000	5,600	0,000	5,600
S2	K2	NVM	NVM	K3	P1	5,600	0,000	11,200	0,000	5,600
S3	K3	NVM	NVM	K4	P1	11,200	0,000	16,800	0,000	5,600
-	-	-	-	-	-	m	m	m	m	m

PROFIELEN

Profiel	Profielnaam	Oppervlakte	Iy	Materiaal	Hoek
P1	HE280B	1.3136e-02	1.9270e-04	S235	0,0
-	-	m2	m4	-	°

MATERIALEN

Materiaal	Dichtheid	E-Modulus	Uitzettingcoëff
S235	78.50	2.1000e+08	12.0000e-06
-	kN/m3	kN/m2	C·m

OPLEGGINGEN

Oplegging	Knoop	X	Z	Yr	HoekYr
O1	K1	vast	vast	vrij	0
O2	K2	vrij	vast	vrij	0
O3	K3	vrij	vast	vrij	0
O4	K4	vrij	vast	vrij	0
-	-	kN/m	kN/m	kNm/rad	°

GEWICHTSBEREKENING

Index	Staven	Berekening	Waarde	Eenheden
-------	--------	------------	--------	----------

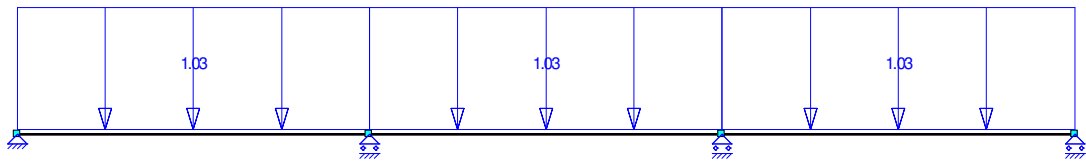
BELASTINGSGEVALLEN TYPEN

Oplegg.	Staven	B.G.Type	Gunstig/Ong.	Element	Niveau	Veld	Psi0	Psi1	Psi2	Cprob
B.G.1	Permanent	Permanent	-		N.v.t.	N.v.t.				
B.G.2	Mobiele lasten	Mobiele lasten			N.v.t.	N.v.t.		1.00		1,00
B.G.3	Mobiele lasten	Mobiele lasten			N.v.t.	N.v.t.		1.00		1,00
B.G.4	Mobiele lasten	Mobiele lasten			N.v.t.	N.v.t.		1.00		1,00
B.G.5	Mobiele lasten	Mobiele lasten			N.v.t.	N.v.t.		1.00		1,00
B.G.6	Mobiele lasten	Mobiele lasten			N.v.t.	N.v.t.		1.00		1,00

B.G.1: PERMANENT

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.1: Permanent					
qG	1,03 (1.00x)	1,03 (1.00x)	0,000	5,600(L)	Z" S1-S3
Som lasten	X: 0,00	kN Z: 17,32	kN	m	- -
-	-	-	m	m	- -

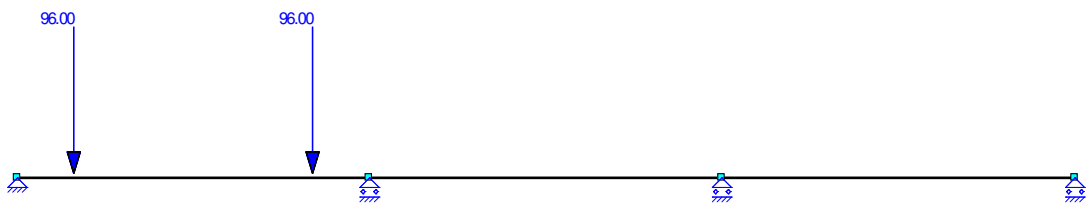
B.G.1: PERMANENT



B.G.2: MOBIELE LASTEN

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.2: Mobiele lasten					
F	96,00		0,900		Z' S1
F	96,00		4,700		Z' S1
Som lasten	X: 0,00	kN Z: 192,00	kN		
-	-	-	m	m	- -

B.G.2: MOBIELE LASTEN



B.G.3: MOBIELE LASTEN

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.3: Mobiele lasten					
F	96,00		1,800		Z' S1
N	96,00				Z K2
Som lasten	X: 0,00	kN Z: 192,00	kN		
-	-	-	m	m	- -

B.G.3: MOBIELE LASTEN

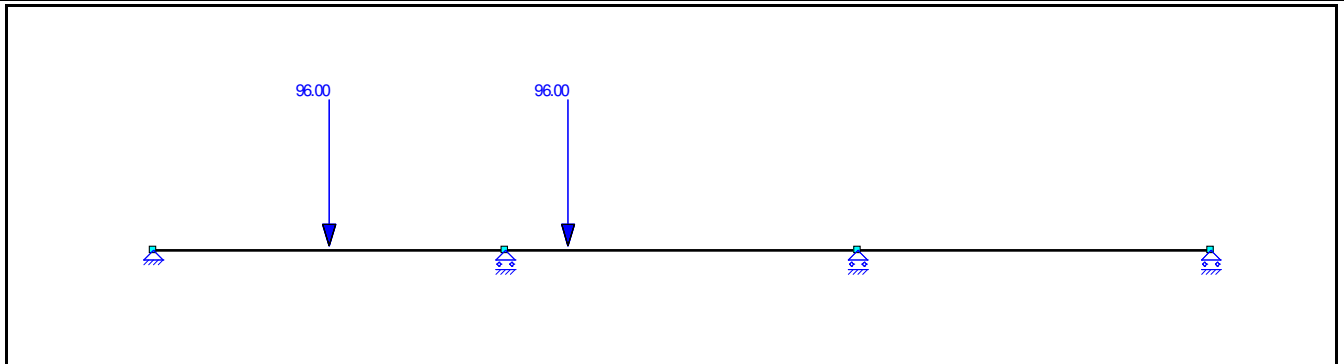


B.G.4: MOBIELE LASTEN

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.4: Mobiele lasten					
F	96,00		2,800		Z' S1

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.4: Mobiele lasten					
F	96,00		1,000		Z' S2
Som lasten	X: 0,00	kN Z: 192,00	kN		
-	-	-	m	m	- -

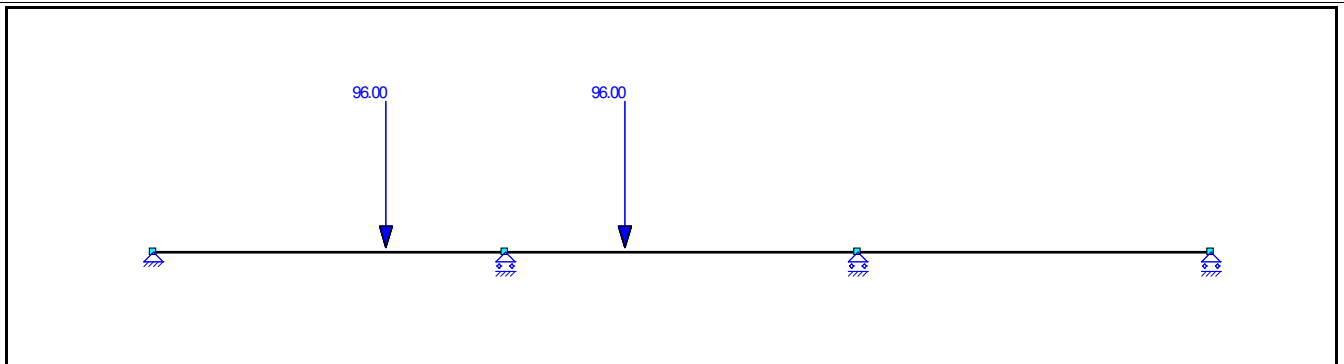
B.G.4: MOBIELE LASTEN



B.G.5: MOBIELE LASTEN

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.5: Mobiele lasten					
F	96,00		3,700		Z' S1
F	96,00		1,900		Z' S2
Som lasten	X: 0,00	kN Z: 192,00	kN		
-	-	-	m	m	- -

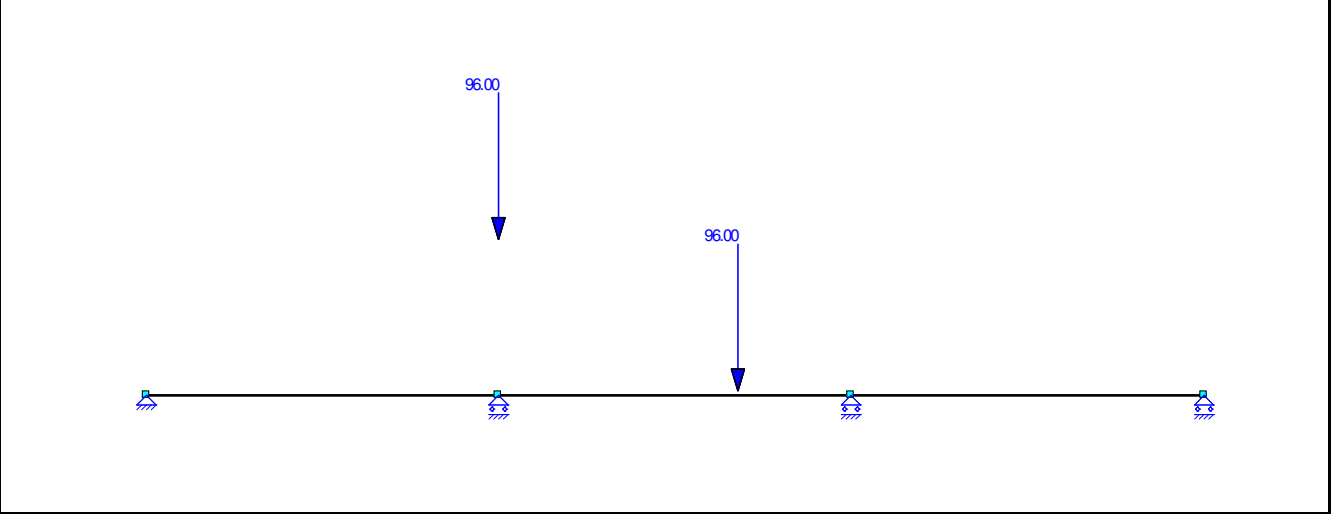
B.G.5: MOBIELE LASTEN



B.G.6: MOBIELE LASTEN

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.6: Mobiele lasten					
F	96,00		3,800		Z' S2
N	96,00				Z K2
Som lasten	X: 0,00	kN Z: 192,00	kN		
-	-	-	m	m	- -

B.G.6: MOBIELE LASTEN



FUNDAMENTEEL BELASTINGSCOMBINATIES (TABEL)

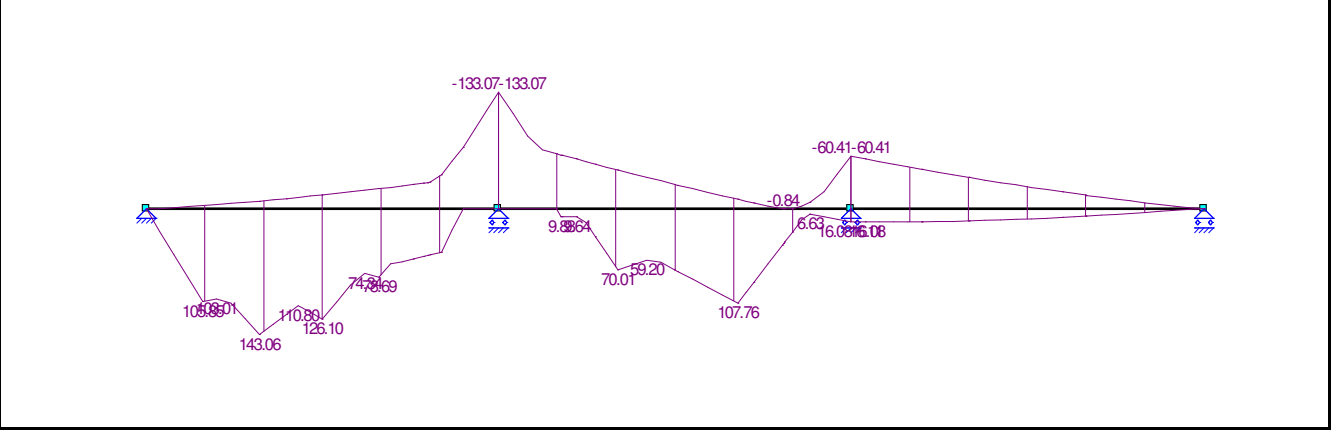
B.G.	Omschrijving	Fu.C.1	Fu.C.2	Fu.C.3	Fu.C.4	Fu.C.5	Fu.C.6
B.G.1	Permanent	1.08	1.08	1.08	1.08	1.08	1.22
B.G.2	Mobiele lasten	1.35	-	-	-	-	-
B.G.3	Mobiele lasten	-	1.35	-	-	-	-
B.G.4	Mobiele lasten	-	-	1.35	-	-	-
B.G.5	Mobiele lasten	-	-	-	1.35	-	-
B.G.6	Mobiele lasten	-	-	-	-	1.35	-

UITGANGSPUNTEN VAN DE ANALYSE

Geavanceerde Analyse

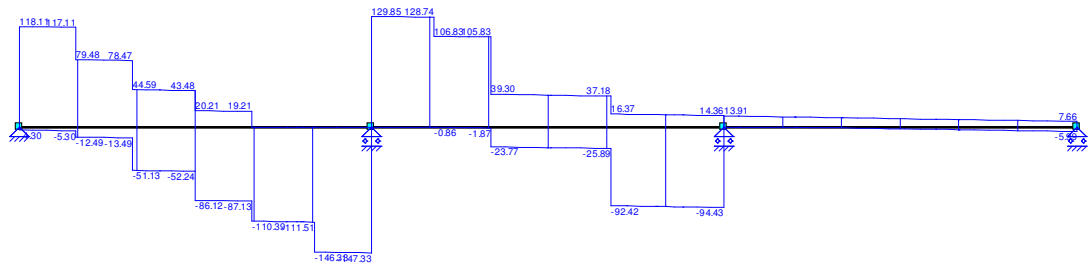
AFB. FU.C. MOMENT (MY) OMHULLENDE

Fundamenteel Belastingscombinaties



AFB. FU.C. DRWARKRACHT (VZ) / SHEAR FORCE (VZ) OMHULLENDE

Fundamenteel Belastingcombinaties



AFB. FU.C. NORMAALKRACHT (NX) / NORMAL FORCE (NX) OMHULLENDE

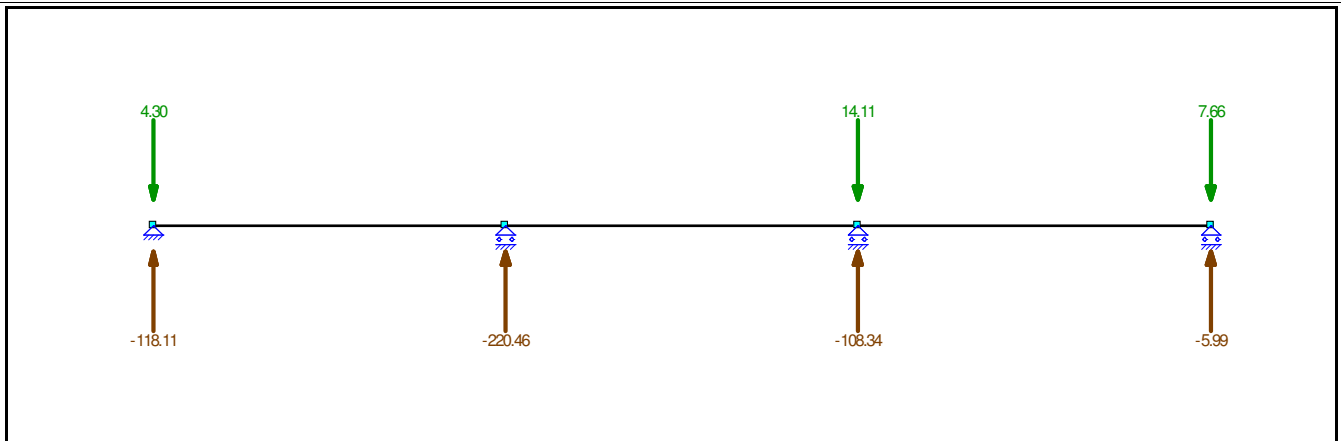
Fundamenteel Belastingcombinaties

**FU.C. STAAFKRACHTEN**

Staaf	B.C.	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Vb	Vmax	Ve
S1	Fu.C.1	0.00	105.85	0.900	-81.81	5.044	0.000 -	0.00	118.11	-147.33	-147.33
	Fu.C.2	0.00	143.06	1.800	-59.28	4.518	0.000 -	0.00	80.48	80.48	-55.36
	Fu.C.3	0.00	126.10	2.800	-119.42	4.251	0.000 -	0.00	46.60	-89.25	-89.25
	Fu.C.4	0.00	78.69	3.700	-133.07	4.410	0.000 -	0.00	23.33	-112.51	-112.51
	Fu.C.5	0.00			-41.56	0.000	0.000 -	0.00	-4.30	-10.54	-10.54
	Fu.C.6	0.00	3.14	2.240	-3.93	4.480	0.000 -	0.00	2.81	-4.21	-4.21
S2	Fu.C.1	-81.81			16.08	4.525	0.000 -	0.00	20.60	20.60	14.36
	Fu.C.2	-59.28			10.45	4.546	0.000 -	0.00	15.57	15.57	9.33
	Fu.C.3	-119.42	9.88	1.000	-5.88	0.923	4.507 -	0.00	129.85	129.85	-5.99
	Fu.C.4	-133.07	70.01	1.900	-25.58	1.241	4.666 -	0.00	107.95	107.95	-27.90
	Fu.C.5	-41.56	107.76	3.800	-60.41	1.018	4.958 -	0.00	41.41	-94.43	-94.43
	Fu.C.6	-3.93	0.98	2.800	-3.93	1.548	4.052 -	0.00	3.51	-3.51	-3.51
S3	Fu.C.1	16.08	16.11	0.225	0.00	0.000	0.000 -	0.00	0.25	-5.99	-5.99
	Fu.C.2	10.45	11.16	1.127	0.00	0.000	0.000 -	0.00	1.26	-4.99	-4.99
	Fu.C.3	-5.88	1.92	3.742	0.00	1.885	0.000 -	0.00	4.17	4.17	-2.07
	Fu.C.4	-25.58			0.00	0.000	0.000 -	0.00	7.69	7.69	1.45
	Fu.C.5	-60.41			0.00	0.000	0.000 -	0.00	13.91	13.91	7.66
	Fu.C.6	-3.93	3.14	3.360	0.00	1.120	0.000 -	0.00	4.21	4.21	-2.81
-	-	kNm	kNm	m	kNm	m	m -	kN	kN	kN	kN

AFB. FU.C. OPLEGREACTIES / SUPPORT REACTIONS OMHULLENDE

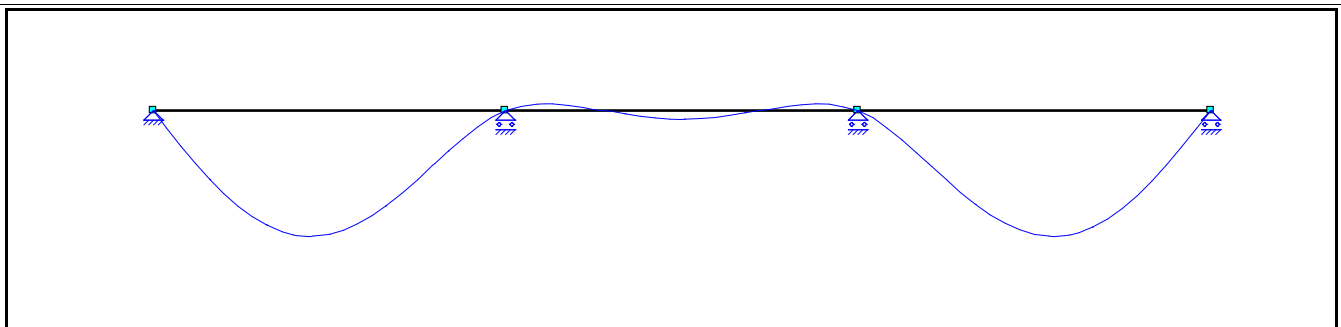
Fundamenteel Belastingscombinaties

**FU.C. EXTREME OPLEGREACTIES**

Oplegging	Knoop	B.C.	Xmax	Z	My B.C.	X	Zmax	My B.C.	X	Z	Mymax	
O1	K1				Fu.C.5	0.00	4.30	0.00				
O1	K1				Fu.C.1	0.00	-118.11	0.00				
O2	K2				Fu.C.4	0.00	-220.46	0.00				
O3	K3				Fu.C.1	0.00	14.11	0.00				
O3	K3				Fu.C.5	0.00	-108.34	0.00				
O4	K4				Fu.C.5	0.00	7.66	0.00				
O4	K4				Fu.C.1	0.00	-5.99	0.00				
Globale extreme waarden												
O3	K3				Fu.C.1	0.00	14.11	0.00				
O2	K2				Fu.C.4	0.00	-220.46	0.00				
-	-	-	kN	kN	kNm	-	kN	kN	kNm	kN	kN	kNm

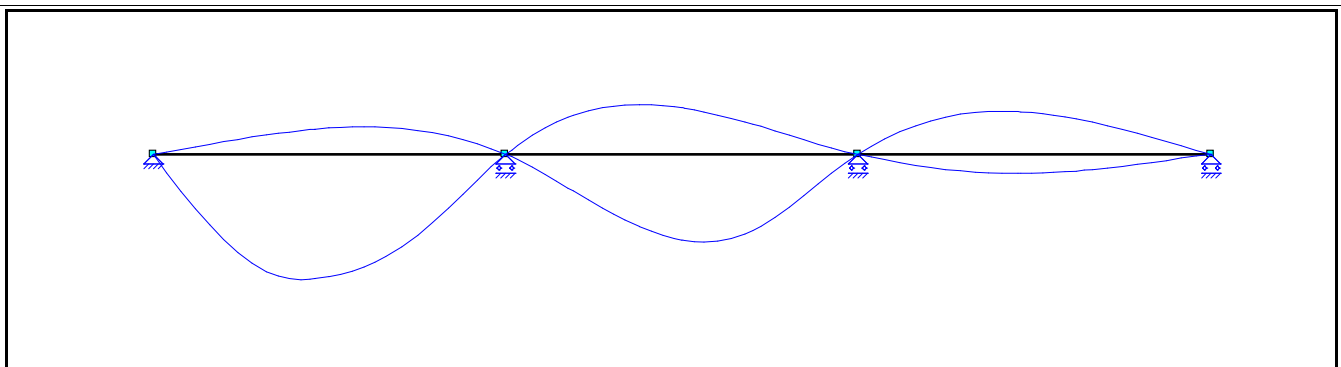
AFB. KA.C.(W1) VERPLAATSINGEN / DISPLACEMENTS

Ka.C.(w1) Belastingscombinaties



AFB. KA.C. VERPLAATSINGEN / DISPLACEMENTS OMHULLENDE

Karakteristiek Belastingscombinaties

**KA.C. KNOOPVERPLAATSINGEN**

Knoop	B.C.	X	Z	Yr
K1	Ka.C.(w1)	0.0000	0.0000	-0.112e-03
	Ka.C.1	0.0000	0.0000	-0.112e-03
	Ka.C.2	0.0000	0.0000	-3.791e-03
	Ka.C.3	0.0000	0.0000	-3.698e-03

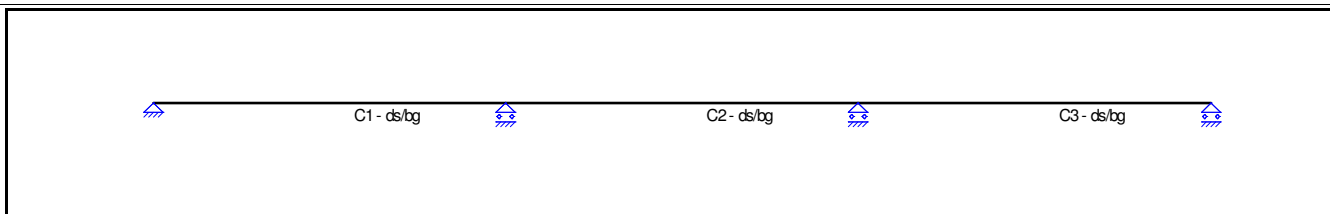
Wopereis Staalbouw		Pos 10 - verticaal
---------------------------	--	---------------------------

Knoop	B.C.	X	Z	Yr
K1	Ka.C.4	0.0000	0.0000	-2.781e-03
	Ka.C.5	0.0000	0.0000	-1.621e-03
	Ka.C.6	0.0000	0.0000	0.538e-03
K2	Ka.C.(w1)	0.0000	0.0000	0.037e-03
	Ka.C.1	0.0000	0.0000	0.037e-03
	Ka.C.2	0.0000	0.0000	2.379e-03
	Ka.C.3	0.0000	0.0000	1.705e-03
	Ka.C.4	0.0000	0.0000	0.726e-03
	Ka.C.5	0.0000	0.0000	0.226e-03
	Ka.C.6	0.0000	0.0000	-1.263e-03
K3	Ka.C.(w1)	0.0000	0.0000	-0.037e-03
	Ka.C.1	0.0000	0.0000	-0.037e-03
	Ka.C.2	0.0000	0.0000	-0.706e-03
	Ka.C.3	0.0000	0.0000	-0.514e-03
	Ka.C.4	0.0000	0.0000	0.044e-03
	Ka.C.5	0.0000	0.0000	0.717e-03
	Ka.C.6	0.0000	0.0000	1.907e-03
K4	Ka.C.(w1)	0.0000	0.0000	0.112e-03
	Ka.C.1	0.0000	0.0000	0.112e-03
	Ka.C.2	0.0000	0.0000	0.446e-03
	Ka.C.3	0.0000	0.0000	0.350e-03
	Ka.C.4	0.0000	0.0000	0.071e-03
	Ka.C.5	0.0000	0.0000	-0.265e-03
	Ka.C.6	0.0000	0.0000	-0.860e-03
-	-	m	m	rad

KA.C. EXTREME DOORBUIGINGEN

Staat	B.C.	Knoop Begin		Staat		Knoop Eind	
		X	Z	Z'afst	Z'	X	Z
S1	Ka.C.3	0,000	0,000	2.356	0.0056	0,000	0,000
S1	Ka.C.6	0,000	0,000	3.352	-0.0012	0,000	0,000
S2	Ka.C.2	0,000	0,000	2.132	-0.0022	0,000	0,000
S2	Ka.C.6	0,000	0,000	3.157	0.0039	0,000	0,000
S3	Ka.C.2	0,000	0,000	2.535	0.0009	0,000	0,000
S3	Ka.C.6	0,000	0,000	2.290	-0.0019	0,000	0,000
-	-	m	m	m	m	m	m

AFB. STAALCONTROLE / STEEL CODE CHECK



SAMENSTELLING CONSTRUCTIEDELEN

Constructiedeel	Staat/staven
C1	S1
C2	S2
C3	S3

DOORBUIGINGGEGEVENS

Staat	Constructietype	Toetsing	Zeeg Y'	Zeeg Z'	Zeegvorm	w;max	w;2+w;3
C1 - V1 (0.000-5.600)	Vloer	Scheurvorming gevoelige wanden	0	0	3-Punt	L/250	L/500
C2 - V1 (0.000-5.600)	Vloer	Scheurvorming gevoelige wanden	0	0	3-Punt	L/250	L/500
C3 - V1 (0.000-5.600)	Vloer	Scheurvorming gevoelige wanden	0	0	3-Punt	L/250	L/500
-	-	-	mm	mm	-	-	-

UNITY CHECK NEN-EN1993-1-1:2016/NB:2016

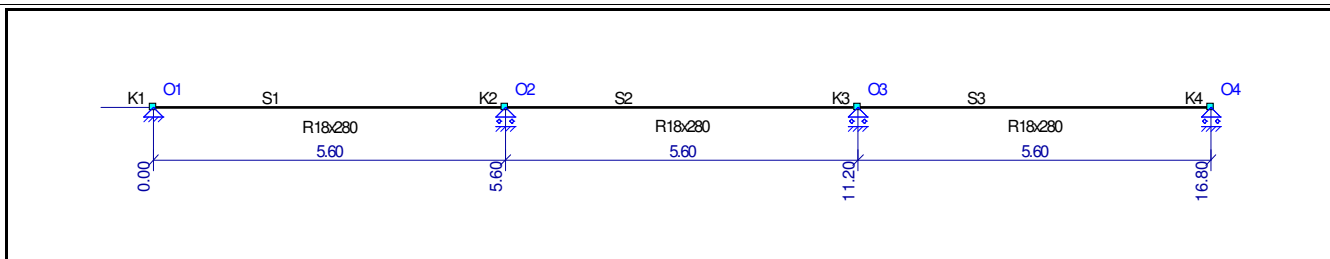
Veld	Toetsing	Combinatie	Artikel	UC max
------	----------	------------	---------	--------

Wopereis Staalbouw		Pos 10 - verticaal
---------------------------	--	---------------------------

Veld	Toetsing	Combinatie	Artikel	UC max
C1-V1 (0.000-5.600)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.12)	0,40
C1-V1 (0.000-5.600)	Doorbuigingstoetsing	Fr.C.2	NEN-EN NEN-EN1990/NB A1.4.2	0,48
C2-V1 (0.000-5.600)	Doorsnede	Fu.C.4	NEN-EN1993-1-1(6.12)	0,37
C2-V1 (0.000-5.600)	Doorbuigingstoetsing	Fr.C.5	NEN-EN NEN-EN1990/NB A1.4.2	0,35
C3-V1 (0.000-5.600)	Doorsnede	Fu.C.5	NEN-EN1993-1-1(6.12)	0,17
C3-V1 (0.000-5.600)	Doorbuigingstoetsing	Fr.C.5	NEN-EN NEN-EN1990/NB A1.4.2	0,19

Wopereis Staalbouw		Pos 10 - horizontaal	
Projectnaam		Projectnummer	
Omschrijving		Constructeur	
Opdrachtgever		Eenheden	m, kN, kNm
Bestand	K:\Engineering Staalbouw\SJOERDKR\Berekeningen\A-1000 - Baltes - Steenderen - Nijverheidsweg 9\STATISCH\20170425 - Hal\20170426 - Pos 10 - Kraanbaanligger - horizontaal.mxf		

AFB. GEOMETRIE RAAMWERK



STAVEN

Staf	Knoop B	B	Scharnier E	Knoop E	Profiel	X-B	Z-B	X-E	Z-E	Lengte
S1	K1	NVM	NVM	K2	P1	0,000	0,000	5,600	0,000	5,600
S2	K2	NVM	NVM	K3	P1	5,600	0,000	11,200	0,000	5,600
S3	K3	NVM	NVM	K4	P1	11,200	0,000	16,800	0,000	5,600
-	-	-	-	-	-	m	m	m	m	m

PROFIELEN

Profiel	Profielnaam	Oppervlakte	Iy	Materiaal	Hoek
P1	R18x280	5.0400e-03	3.2928e-05	S235	0,0
-	-	m2	m4	-	°

PROFIELVORMEN

Profiel	Verl. h.	hB	hE	tf	tw	tf2	B	bL	bR Raatl.	Hoogte
P1	Nee	0.280	0.280	0.000	0.000	0.000	0.018	0.000	0.000 Nee	0.000
-	-	m	m	m	m	m	m	m	m -	m

MATERIALEN

Materiaal	Dichtheid	E-Modulus	Uitzettingcoëff
S235	78.50	2.1000e+08	12.0000e-06
-	kN/m3	kN/m2	°m

OPLEGGINGEN

Oplegging	Knoop	X	Z	Yr	HoekYr
O1	K1	vast	vast	vrij	0
O2	K2	vrij	vast	vrij	0
O3	K3	vrij	vast	vrij	0
O4	K4	vrij	vast	vrij	0
-	-	kN/m	kN/m	kNm/rad	°

GEWICHTSBEREKENING

Index	Staven	Berekening	Waarde	Eenheden
-------	--------	------------	--------	----------

BELASTINGSGEVALLEN TYPEN

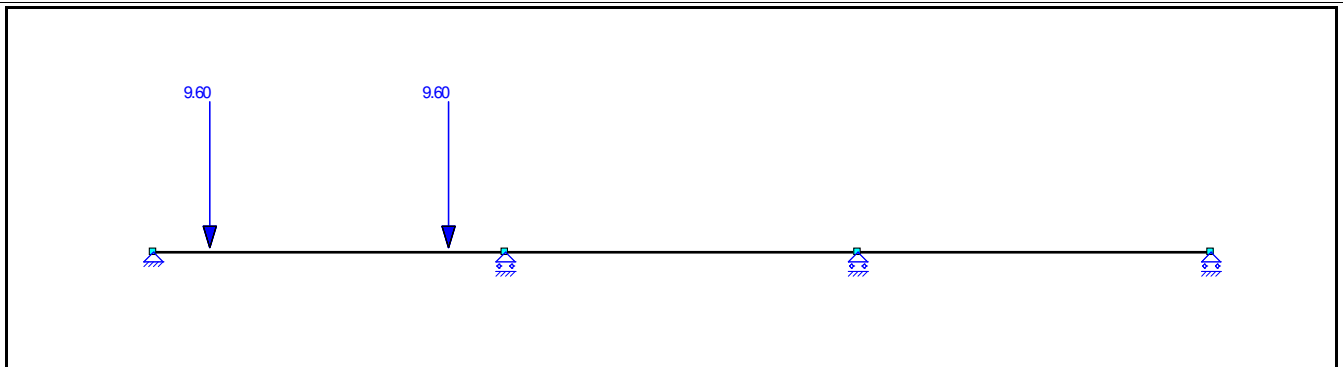
Oplegg.	Staven	B.G.Type	Gunstig/Ong.	Element	Niveau	Veld	Psi0	Psi1	Psi2	Cprob
B.G.1	Mobiele lasten	Mobiele lasten			N.v.t.	N.v.t.		1.00		1,00
B.G.2	Mobiele lasten	Mobiele lasten			N.v.t.	N.v.t.		1.00		1,00
B.G.3	Mobiele lasten	Mobiele lasten			N.v.t.	N.v.t.		1.00		1,00
B.G.4	Mobiele lasten	Mobiele lasten			N.v.t.	N.v.t.		1.00		1,00
B.G.5	Mobiele lasten	Mobiele lasten			N.v.t.	N.v.t.		1.00		1,00

B.G.1: MOBIELE LASTEN

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting	Staf of knoop
B.G.1: Mobiele lasten						
F	9,60		0,900		Z'	S1
F	9,60		4,700		Z'	S1

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
Som lasten	X: 0,00	kN Z: 19,20	kN		
-	-	-	m	m	- -

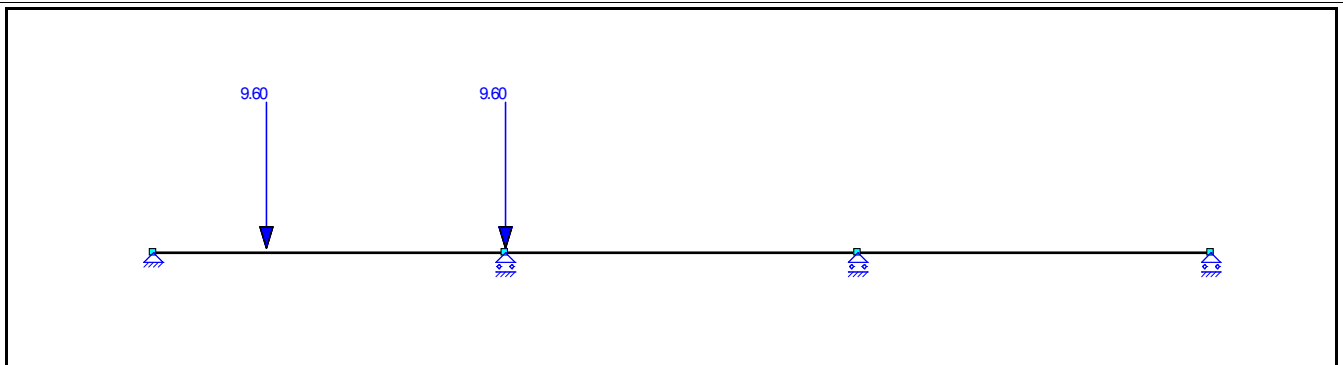
B.G.1: MOBIELE LASTEN



B.G.2: MOBIELE LASTEN

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.2: Mobiele lasten					
F	9,60		1,800		Z' S1
N	9,60				Z K2
Som lasten	X: 0,00	kN Z: 19,20	kN		
-	-	-	m	m	- -

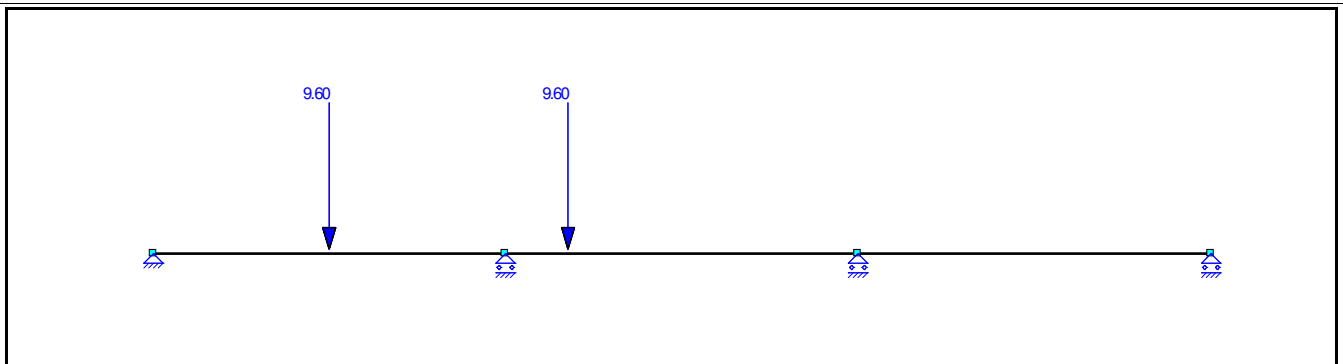
B.G.2: MOBIELE LASTEN



B.G.3: MOBIELE LASTEN

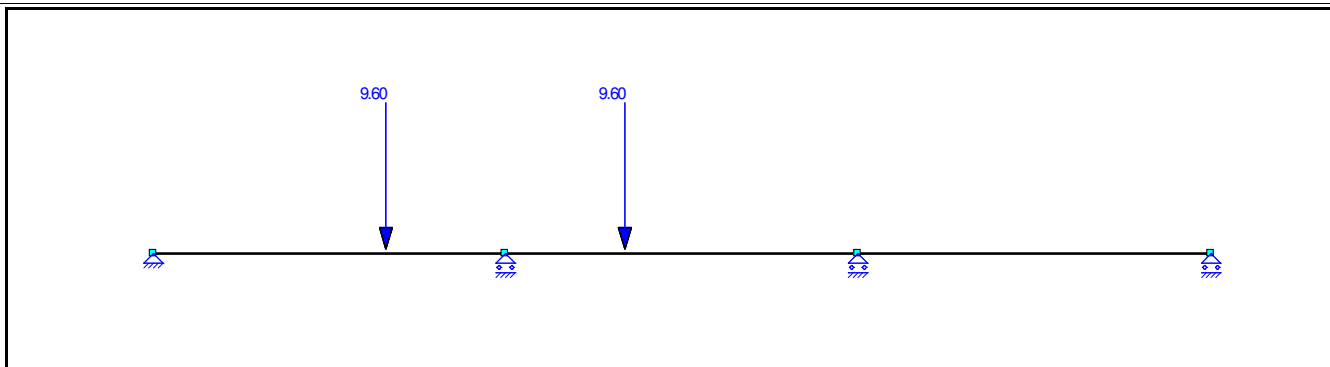
Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.3: Mobiele lasten					
F	9,60		2,800		Z' S1
F	9,60		1,000		Z' S2
Som lasten	X: 0,00	kN Z: 19,20	kN		
-	-	-	m	m	- -

B.G.3: MOBIELE LASTEN

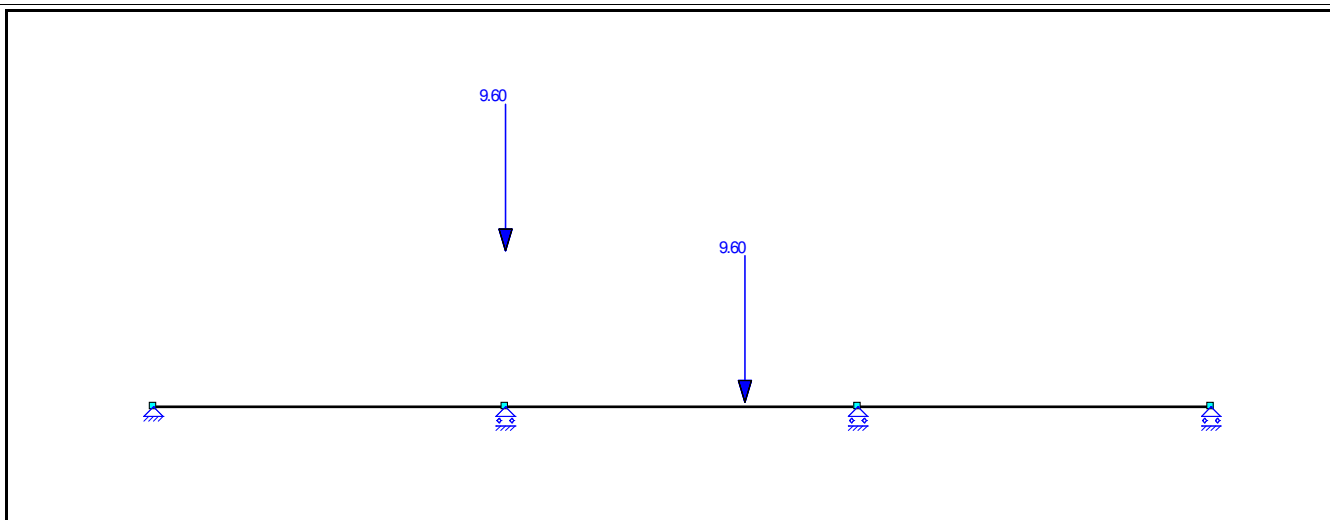


B.G.4: MOBIELE LASTEN

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.4: Mobiele lasten					
F	9,60		3,700		Z' S1
F	9,60		1,900		Z' S2
Som lasten	X: 0,00	kN Z: 19,20	kN	m	- -
-	-	-	m	m	- -

B.G.4: MOBIELE LASTEN**B.G.5: MOBIELE LASTEN**

Type	Beginwaarde	Eindwaarde	Beginafstand	Eindafstand	Richting Staaf of knoop
B.G.5: Mobiele lasten					
F	9,60		3,800		Z' S2
N	9,60				Z K2
Som lasten	X: 0,00	kN Z: 19,20	kN	m	- -
-	-	-	m	m	- -

B.G.5: MOBIELE LASTEN**FUNDAMENTEEL BELASTINGSCOMBINATIES (TABEL)**

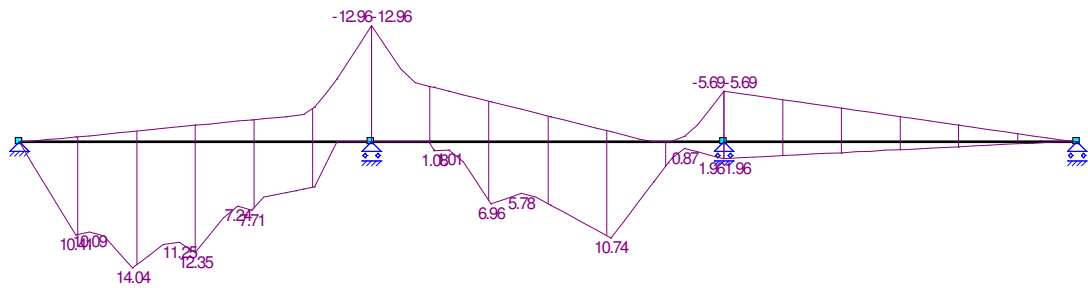
B.G.	Omschrijving	Fu.C.1	Fu.C.2	Fu.C.3	Fu.C.4	Fu.C.5	Fu.C.6
B.G.1	Mobiele lasten	1.35	-	-	-	-	-
B.G.2	Mobiele lasten	-	1.35	-	-	-	-
B.G.3	Mobiele lasten	-	-	1.35	-	-	-
B.G.4	Mobiele lasten	-	-	-	1.35	-	-
B.G.5	Mobiele lasten	-	-	-	-	1.35	-

UITGANGSPUNTEN VAN DE ANALYSE

Geavanceerde Analyse

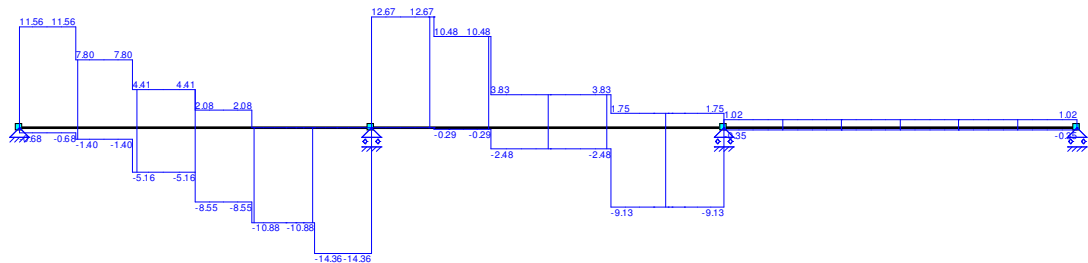
AFB. FU.C. MOMENT (MY) OMHULLENDE

Fundamenteel Belastingscombinaties



AFB. FU.C. DRWARKRACHT (VZ) / SHEAR FORCE (VZ) OMHULLENDE

Fundamenteel Belastingscombinaties



AFB. FU.C. NORMAALKRACHT (NX) / NORMAL FORCE (NX) OMHULLENDE

Fundamenteel Belastingscombinaties

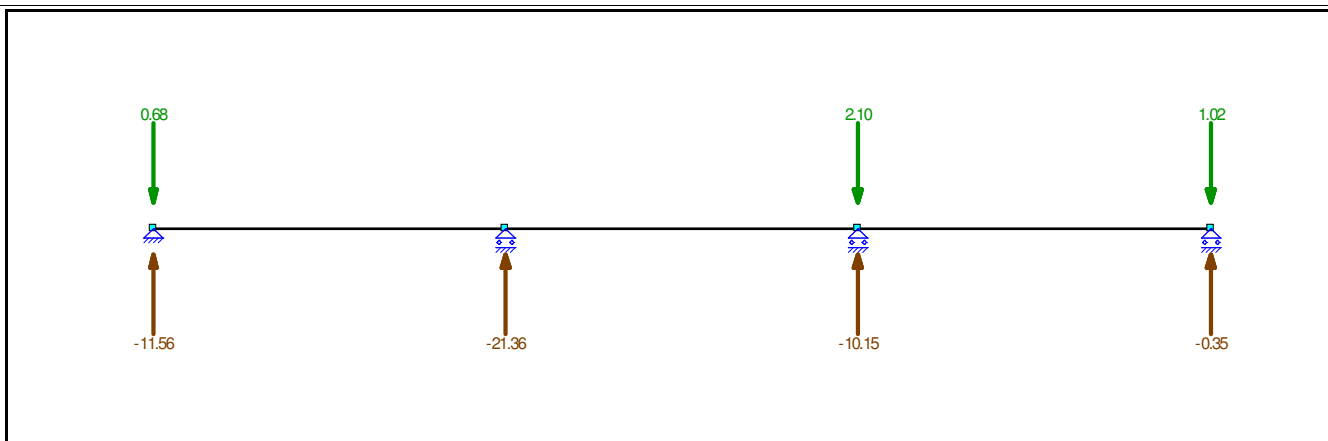


FU.C. STAAFKRACHTEN

Staaf	B.C.	Mb	Mmax	xMmax	Me	x-M0	x-M0 T/D	Nmax	Vb	Vmax	Ve
S1	Fu.C.1	0.00	10.41	0.900	-7.83	5.055	0.000 -	0.00	11.56	-14.36	-14.36
	Fu.C.2	0.00	14.04	1.800	-5.58	4.519	0.000 -	0.00	7.80	7.80	-5.16
	Fu.C.3	0.00	12.35	2.800	-11.59	4.244	0.000 -	0.00	4.41	-8.55	-8.55
	Fu.C.4	0.00	7.71	3.700	-12.96	4.409	0.000 -	0.00	2.08	-10.88	-10.88
	Fu.C.5	0.00			-3.81	0.000	0.000 -	0.00	-0.68	-0.68	-0.68
S2	Fu.C.1	-7.83			1.96	4.480	0.000 -	0.00	1.75	1.75	1.75
	Fu.C.2	-5.58			1.39	4.480	0.000 -	0.00	1.25	1.25	1.25
	Fu.C.3	-11.59	1.08	1.000	-0.24	0.915	4.768 -	0.00	12.67	12.67	-0.29
	Fu.C.4	-12.96	6.96	1.900	-2.21	1.236	4.709 -	0.00	10.48	10.48	-2.48
	Fu.C.5	-3.81	10.74	3.800	-5.69	0.994	4.977 -	0.00	3.83	-9.13	-9.13
S3	Fu.C.1	1.96			0.00	0.000	0.000 -	0.00	-0.35	-0.35	-0.35
	Fu.C.2	1.39			0.00	0.000	0.000 -	0.00	-0.25	-0.25	-0.25
	Fu.C.3	-0.24			0.00	0.000	0.000 -	0.00	0.04	0.04	0.04
	Fu.C.4	-2.21			0.00	0.000	0.000 -	0.00	0.39	0.39	0.39
	Fu.C.5	-5.69			0.00	0.000	0.000 -	0.00	1.02	1.02	1.02
-	-		kNm	kNm	m	kNm	m	kN	kN	kN	kN

AFB. FU.C. OPLEGREACTIES / SUPPORT REACTIONS OMHULLENDE

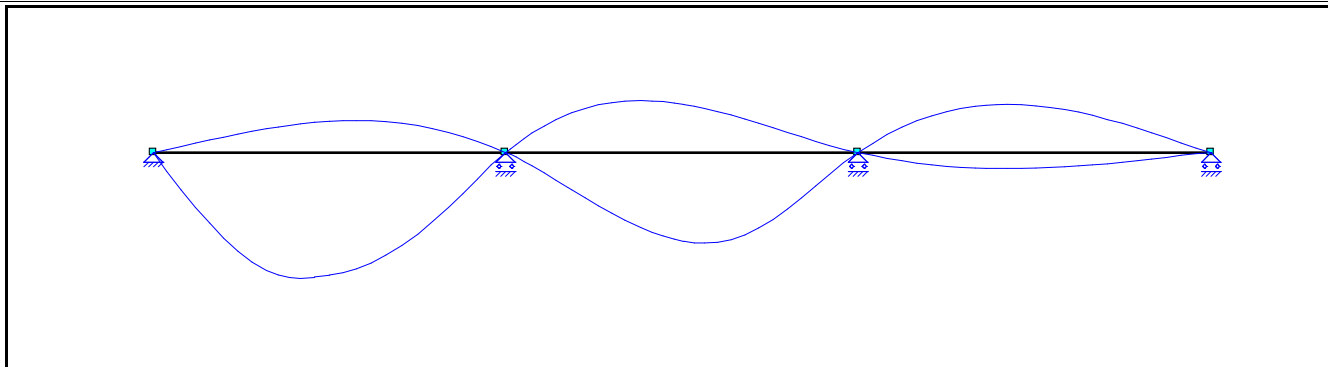
Fundamenteel Belastingscombinaties

**FU.C. EXTREME OPLEGREACTIES**

3.3. EXTREME OF DEGREASES												
Oplegging	Knoop	B.C.	Xmax	Z	My B.C.	X	Zmax	My B.C.	X	Z	Mymax	
O1	K1				Fu.C.5	0.00	0.68	0.00				
O1	K1				Fu.C.1	0.00	-11.56	0.00				
O2	K2				Fu.C.4	0.00	-21.36	0.00				
O3	K3				Fu.C.1	0.00	2.10	0.00				
O3	K3				Fu.C.5	0.00	-10.15	0.00				
O4	K4				Fu.C.5	0.00	1.02	0.00				
O4	K4				Fu.C.1	0.00	-0.35	0.00				
Globale extreme waarden												
O3	K3				Fu.C.1	0.00	2.10	0.00				
O2	K2				Fu.C.4	0.00	-21.36	0.00				
-	-	-	kN	kN	kNm	-	kN	kN	kNm	kN	kN	kNm

AFB. KA.C. VERPLAATSINGEN / DISPLACEMENTS OMHULLENDE

Karakteristiek Belastingscombinaties

**KA.C. KNOOPVERPLAATSINGEN**

Knoop	B.C.	X	Z	Yr
K1	Ka.C.2	0.0000	0.0000	-2.153e-03
	Ka.C.3	0.0000	0.0000	-2.099e-03
	Ka.C.4	0.0000	0.0000	-1.562e-03
	Ka.C.5	0.0000	0.0000	-0.883e-03
	Ka.C.6	0.0000	0.0000	0.381e-03
K2	Ka.C.2	0.0000	0.0000	1.370e-03
	Ka.C.3	0.0000	0.0000	0.976e-03
	Ka.C.4	0.0000	0.0000	0.403e-03
	Ka.C.5	0.0000	0.0000	0.110e-03
	Ka.C.6	0.0000	0.0000	-0.761e-03
K3	Ka.C.2	0.0000	0.0000	-0.392e-03
	Ka.C.3	0.0000	0.0000	-0.279e-03
	Ka.C.4	0.0000	0.0000	0.048e-03
	Ka.C.5	0.0000	0.0000	0.442e-03
	Ka.C.6	0.0000	0.0000	1.138e-03
K4	Ka.C.2	0.0000	0.0000	0.196e-03
	Ka.C.3	0.0000	0.0000	0.139e-03
	Ka.C.4	0.0000	0.0000	-0.024e-03

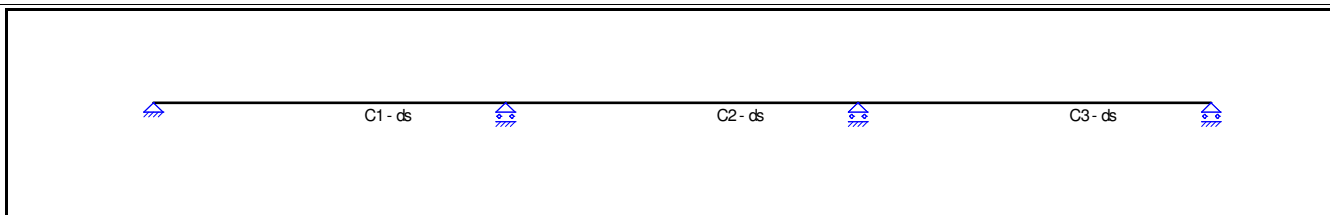
Wopereis Staalbouw		Pos 10 - horizontaal
---------------------------	--	-----------------------------

Knoop	B.C.	X	Z	Yr
K4	Ka.C.5	0.0000	0.0000	-0.221e-03
	Ka.C.6	0.0000	0.0000	-0.569e-03
-	-	m	m	rad

KA.C. EXTREME DOORBUIGINGEN

Staat	B.C.	Knoop Begin		Staat		Knoop Eind	
		X	Z	Z'afst	Z'	X	Z
S1	Ka.C.3	0,000	0,000	2.352	0.0032	0,000	0,000
S1	Ka.C.6	0,000	0,000	3.233	-0.0008	0,000	0,000
S2	Ka.C.2	0,000	0,000	2.149	-0.0013	0,000	0,000
S2	Ka.C.6	0,000	0,000	3.162	0.0023	0,000	0,000
S3	Ka.C.2	0,000	0,000	2.367	0.0004	0,000	0,000
S3	Ka.C.6	0,000	0,000	2.367	-0.0012	0,000	0,000
-	-	m	m	m	m	m	m

AFB. STAALCONTROLE / STEEL CODE CHECK

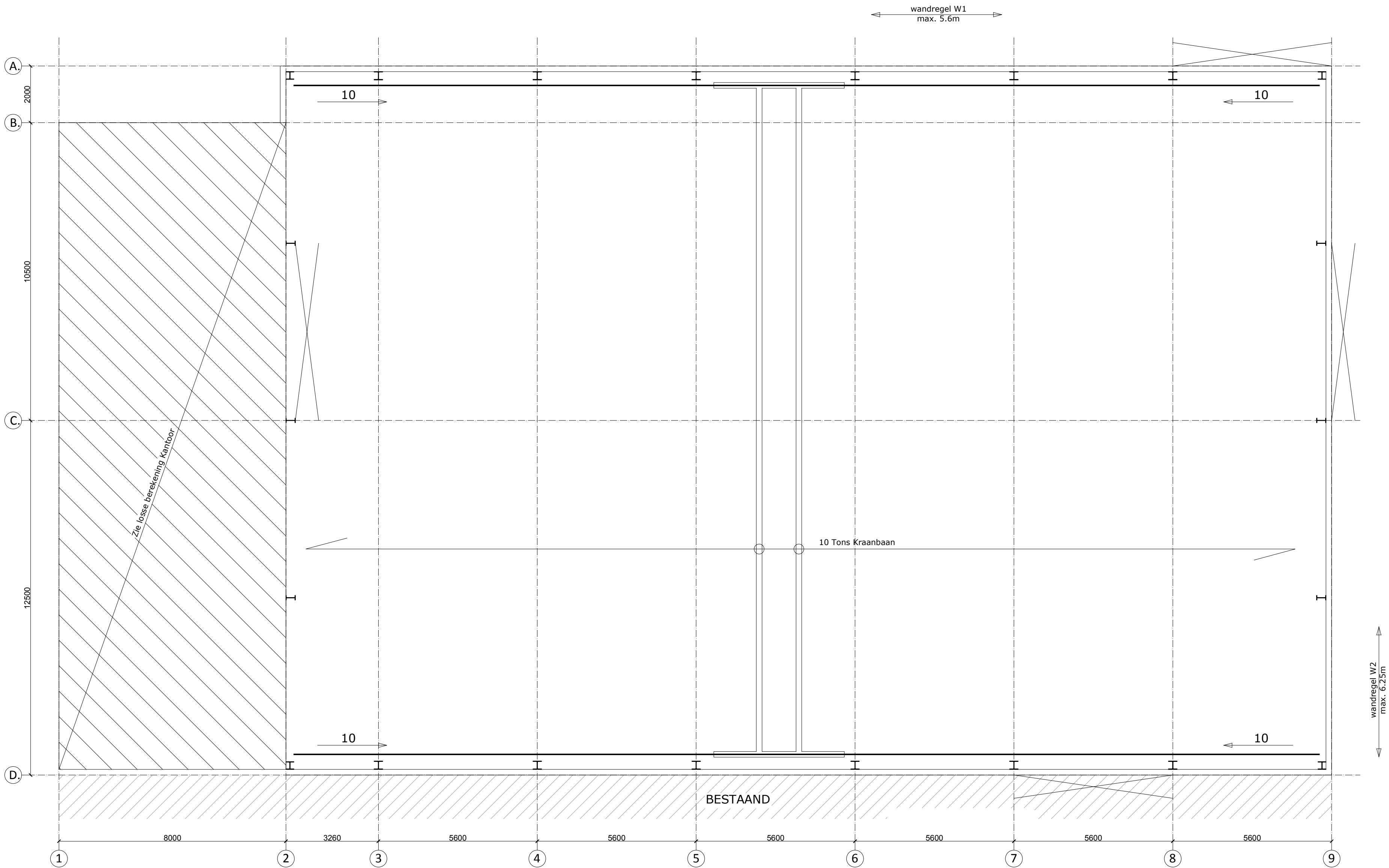


SAMENSTELLING CONSTRUCTIEDELEN

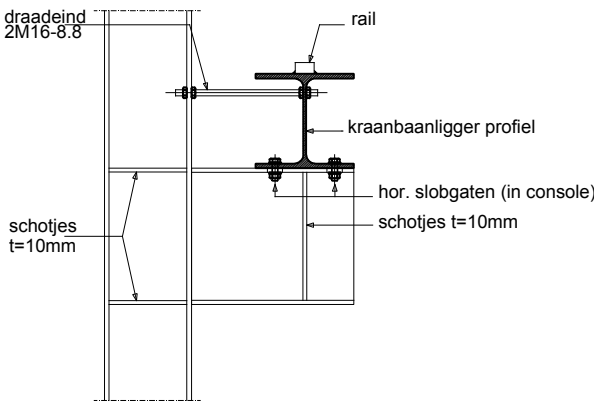
Constructiedeel	Staat/staven
C1	S1
C2	S2
C3	S3

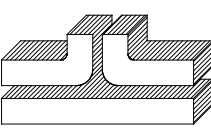
UNITY CHECK NEN-EN1993-1-1:2016/NB:2016

Veld	Toetsing	Combinatie	Artikel	UC max
C1-V1 (0.000-5.600)	Doorsnede	Fu.C.2	NEN-EN1993-1-1(6.12)	0,25
C2-V1 (0.000-5.600)	Doorsnede	Fu.C.4	NEN-EN1993-1-1(6.12)	0,23
C3-V1 (0.000-5.600)	Doorsnede	Fu.C.5	NEN-EN1993-1-1(6.12)	0,10



Kraanbaan



Werk: Uitbreiding Baltes Nijverheidsweg 9 Steenderen		
 wopereis staalbouw bv POSTBUS 463, 7000 AL DOETINCHEM TEL. 0314-335941 FAX 0314-345005 INTERNET: WWW.WOPEREIS.NL FABRIEKSSTRAAT 33 DOETINCHEM EMAIL: INFO@WOPEREIS.NL		
TEKENING NO.: 3/3	Datum: 26-04-2017 Schaal: n.v.t. Get: SK	WERKNUMMER: A1000