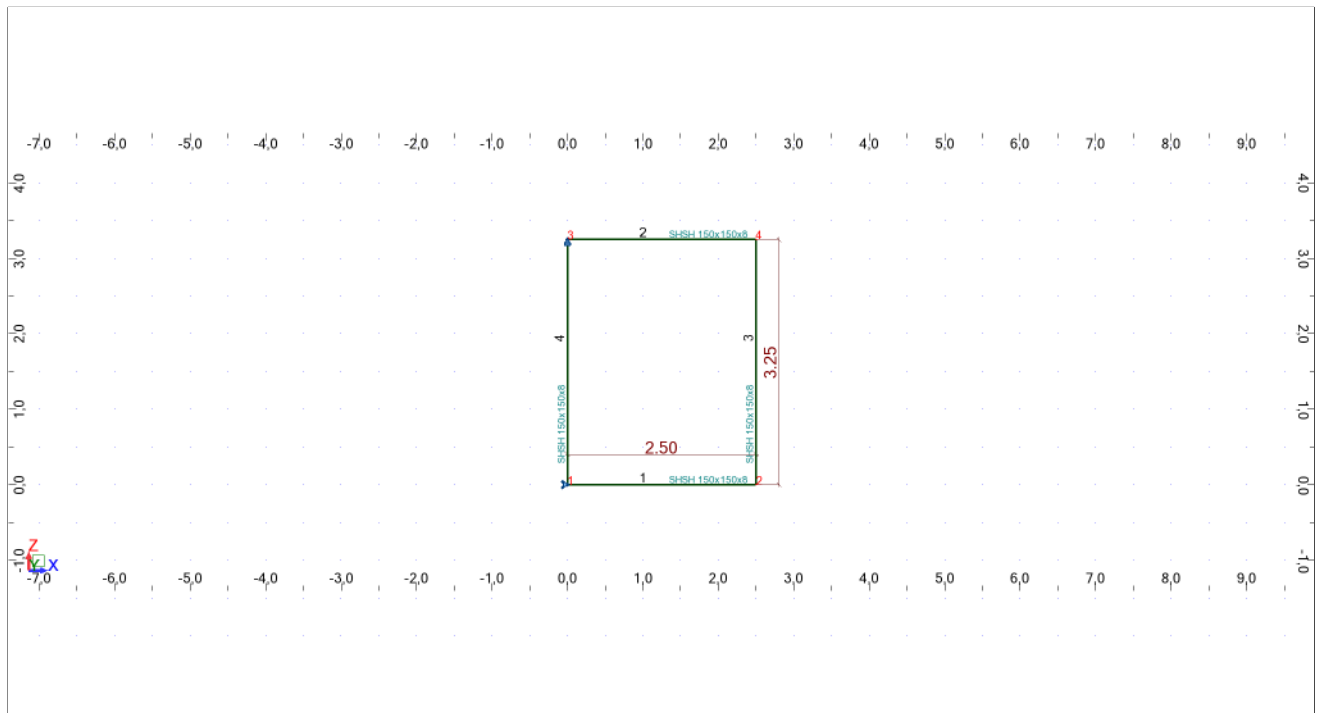


Geometrie



Data - Nodes

Node	X (m)	Z (m)	Support code	Support
1	0,0	0,0	xff	Verticale_Rol
2	2,50	0,0		
3	0,0	3,25	xxf	Scharnierend
4	2,50	3,25		

Data - Bars

Bar	Node 1	Node 2	Section	Material	Length (m)	Gamma (Deg)	Type
1	1	2	SHSH 150x150x8	STAAL	2,50	0,0	Balkon constructie
2	3	4	SHSH 150x150x8	STAAL	2,50	0,0	Balkon constructie
3	4	2	SHSH 150x150x8	STAAL	3,25	0,0	Balkon constructie
4	3	1	SHSH 150x150x8	STAAL	3,25	0,0	Balkon constructie

Data - Sections

Section name	Bar list	AX (cm ²)	AY (cm ²)	AZ (cm ²)
SHSH 150x150x8	1to4	44,75	22,38	22,38

Section name	IX (cm ⁴)	IY (cm ⁴)	IZ (cm ⁴)
SHSH 150x150x8	2351,36	1490,60	1490,60

Data - Materials

	Material	E (MPa)	G (MPa)	NI	LX (1/°C)	RO (kN/m ³)	Re (MPa)
1	STAAL	210000,00	80800,00	0,30	0,00	77,01	235,00
2	TIMBER	9000,00	700,00	0,00	0,00	6,38	18,00
3	B20/25	9400,00	3916,00	0,20	0,00	24,00	15,00
4	S235	210000,00	80800,00	0,30	0,00	77,01	235,00

Data - Supports

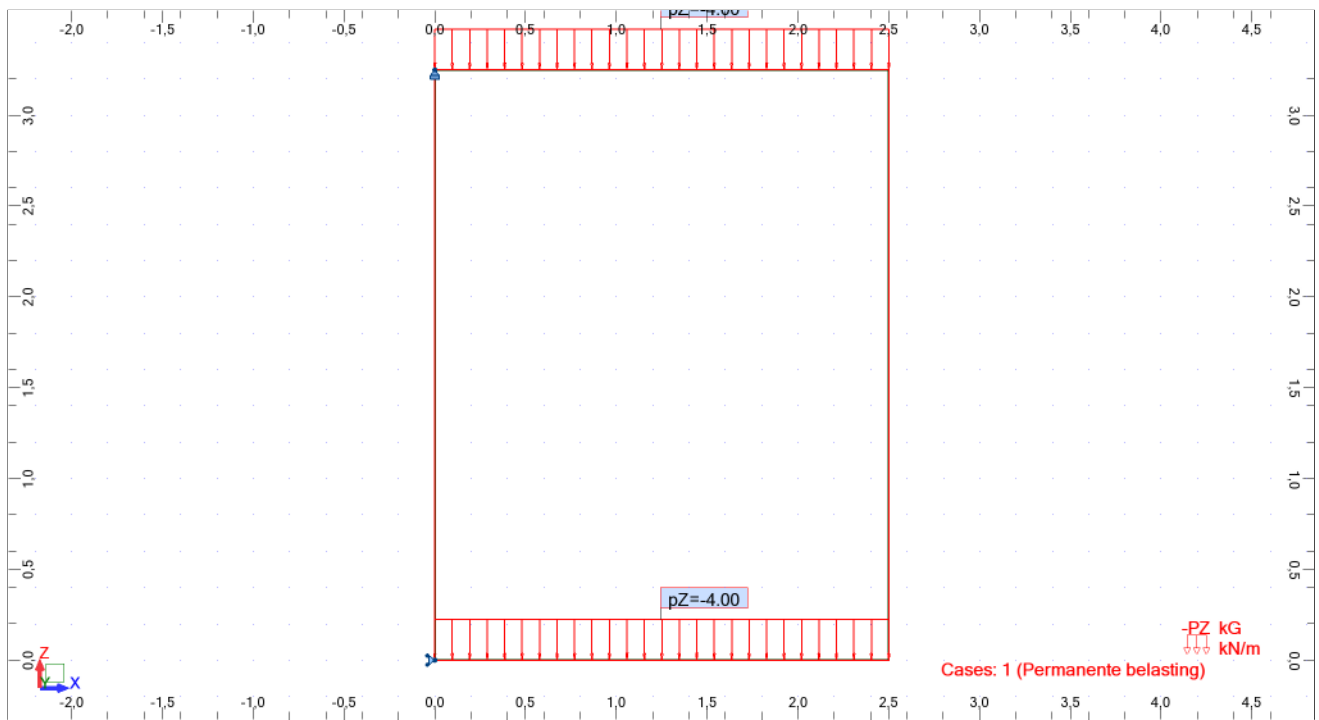
Support name	List of nodes	List of edges	List of objects	Support conditions
Scharnierend	3			UX UZ
Verticale_RoI	1			UX

Belastinggevallen

Case	Label	Case name
1	DL1	Permanente belasting
2	WIND1	Veranderlijke belasting
3		Fundamenteel 1 (6.10a)
4		Fundamenteel 2 (6.10b)
5		Onmiddellijke doorbuiging
6		Bijkomende doorbuiging
7		Einddoorbuiging

Case	Nature	Analysis type
1	Structural	Static - Linear
2	live	Static - Linear
3	Structural	Linear Combination
4	Structural	Linear Combination
5	dead	Linear Combination
6	dead	Linear Combination
7	dead	Linear Combination

Permanente belasting



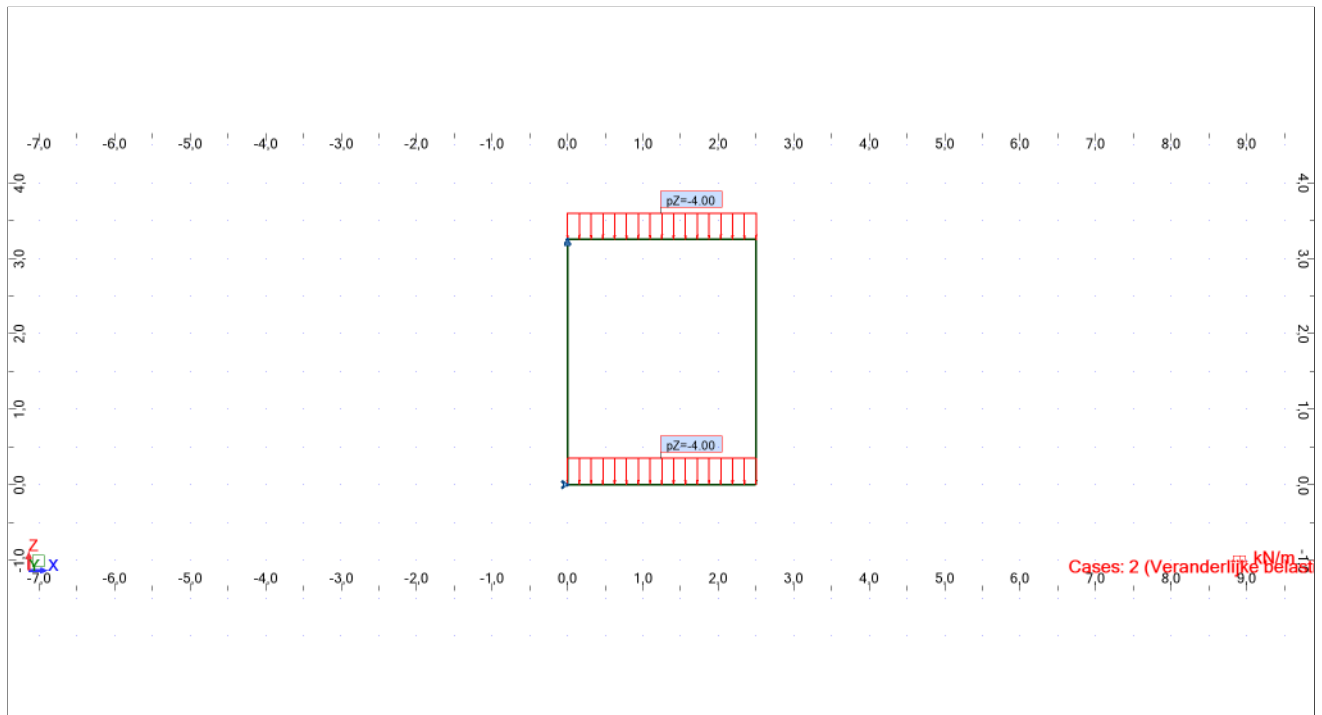
Permanente belasting - Waarden

Case	Load type	List	Load values
1	self-weight	1 to 4	PZ Negative Factor=1,00
1	uniform load	1 2	PZ=-4,00(kN/m)

Permanente belasting - Reacties

Node/Case	FZ (kN)
1/ 1	0,00
3/ 1	23,96

Veranderlijke belasting



Veranderlijke belasting - Waarden

Case	Load type	List	Load values
2	uniform load	1 2	PZ=-4,00(kN/m)

Veranderlijke belasting - Reacties

Node/Case	FZ (kN)
1/ 2	0,00
3/ 2	20,00

Combinations

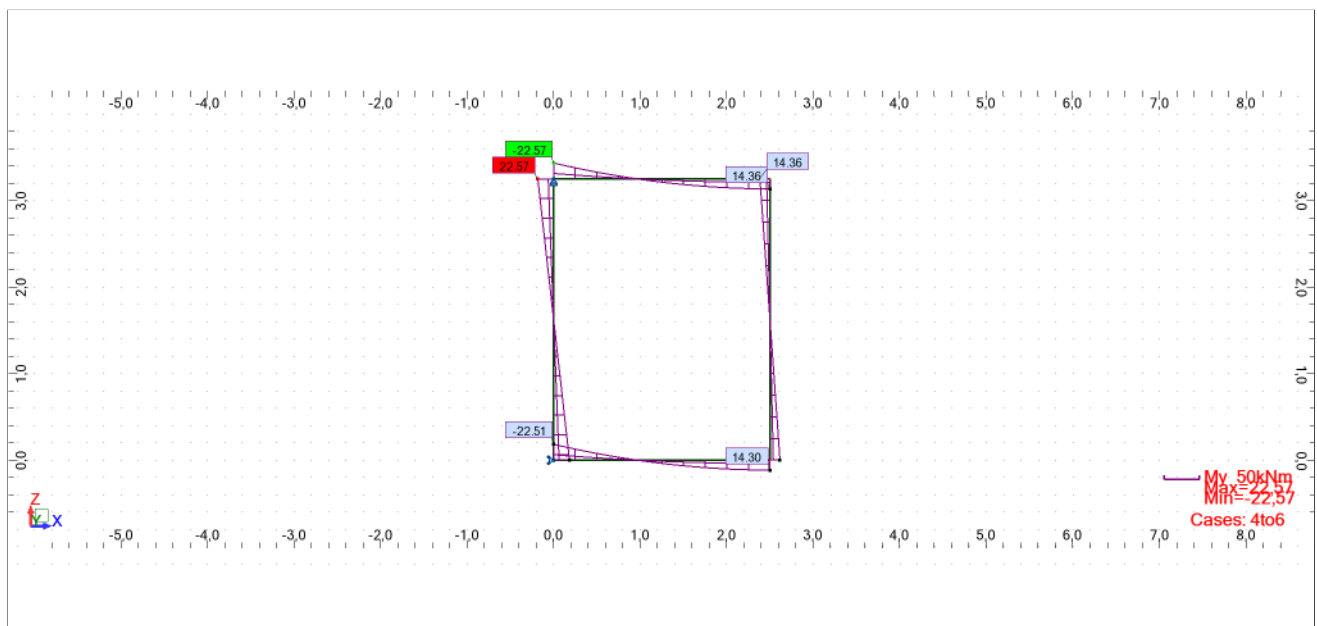
Combinations	Name	Analysis type	Combination type	Case nature
3 (C)	Fundamenteel 1 (6.10a)	Linear Combination	ULS	Structural
4 (C)	Fundamenteel 2 (6.10b)	Linear Combination	ULS	Structural
5 (C)	Onmiddellijke doorbuiging	Linear Combination	SLS	dead
6 (C)	Bijkomende doorbuiging	Linear Combination	SLS	dead
7 (C)	Einddoorbuiging	Linear Combination	SLS	dead

Combinations	Definition
3 (C)	$1*1.08+2*0.75$
4 (C)	$1*1.21+2*1.50$
5 (C)	$1*1.00$
6 (C)	$2*1.00$
7 (C)	$(1+2)*1.00$

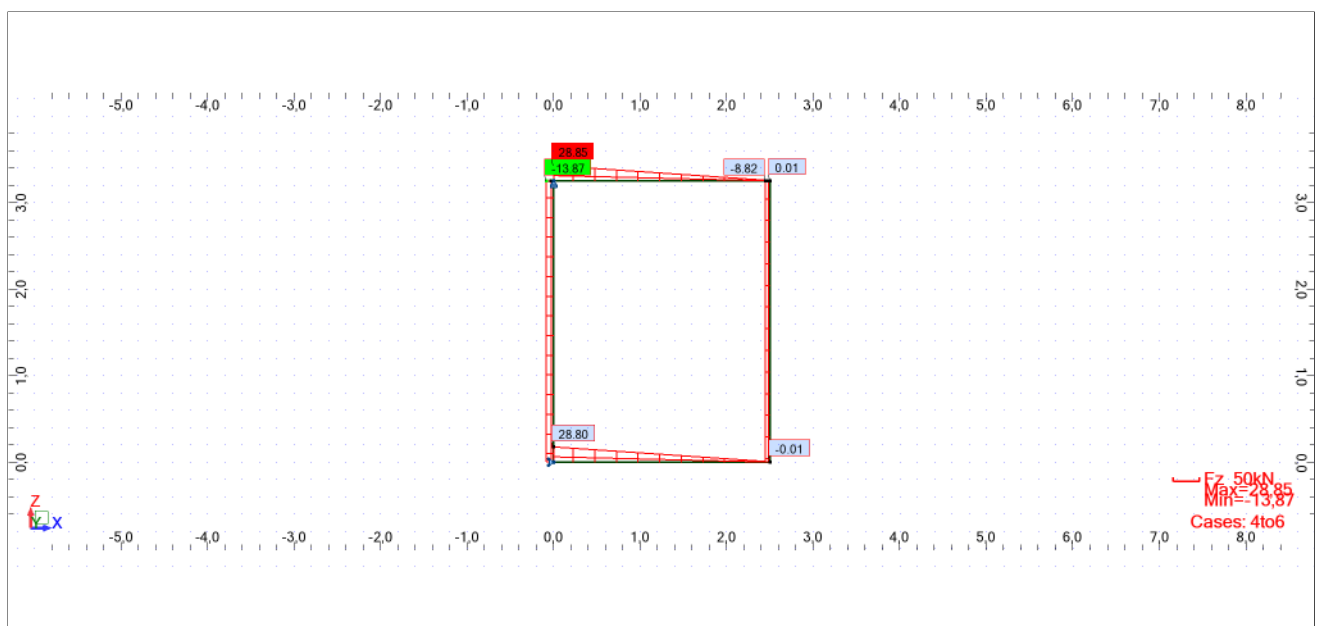
Fundamenteel - Reacties

Node/Case	FZ (kN)
1/ 4 (C)	0,00
1/ 5 (C)	0,00
3/ 4 (C)	59,00
3/ 5 (C)	23,96

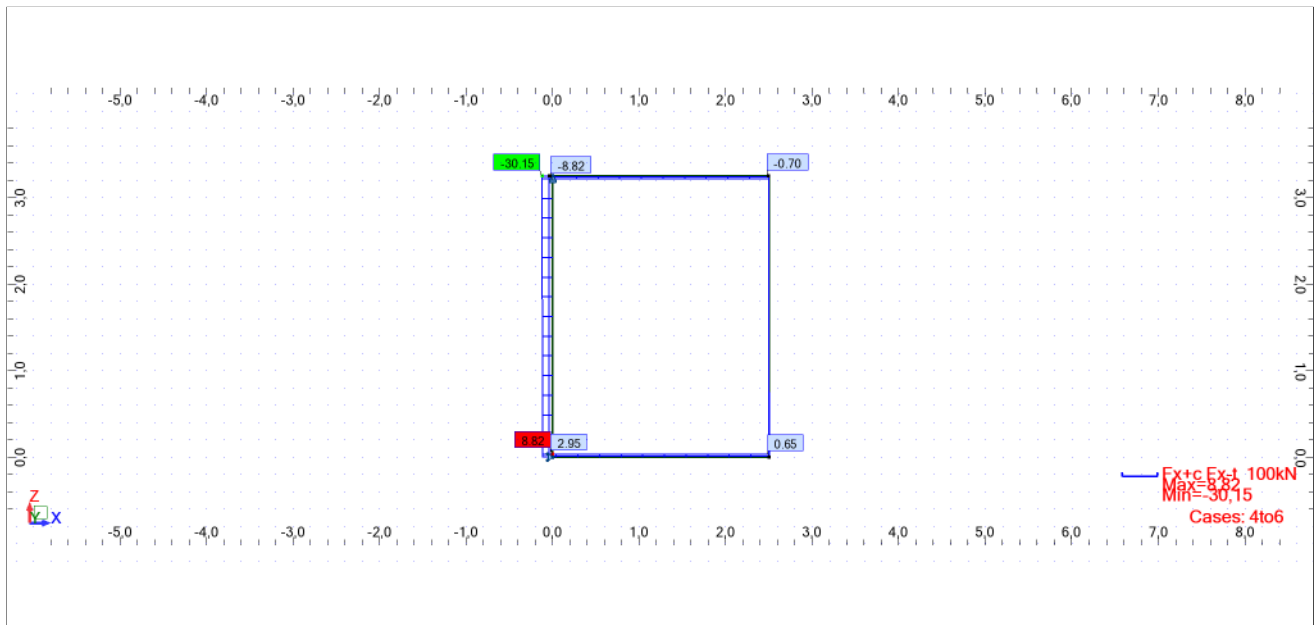
Omhullende momenten



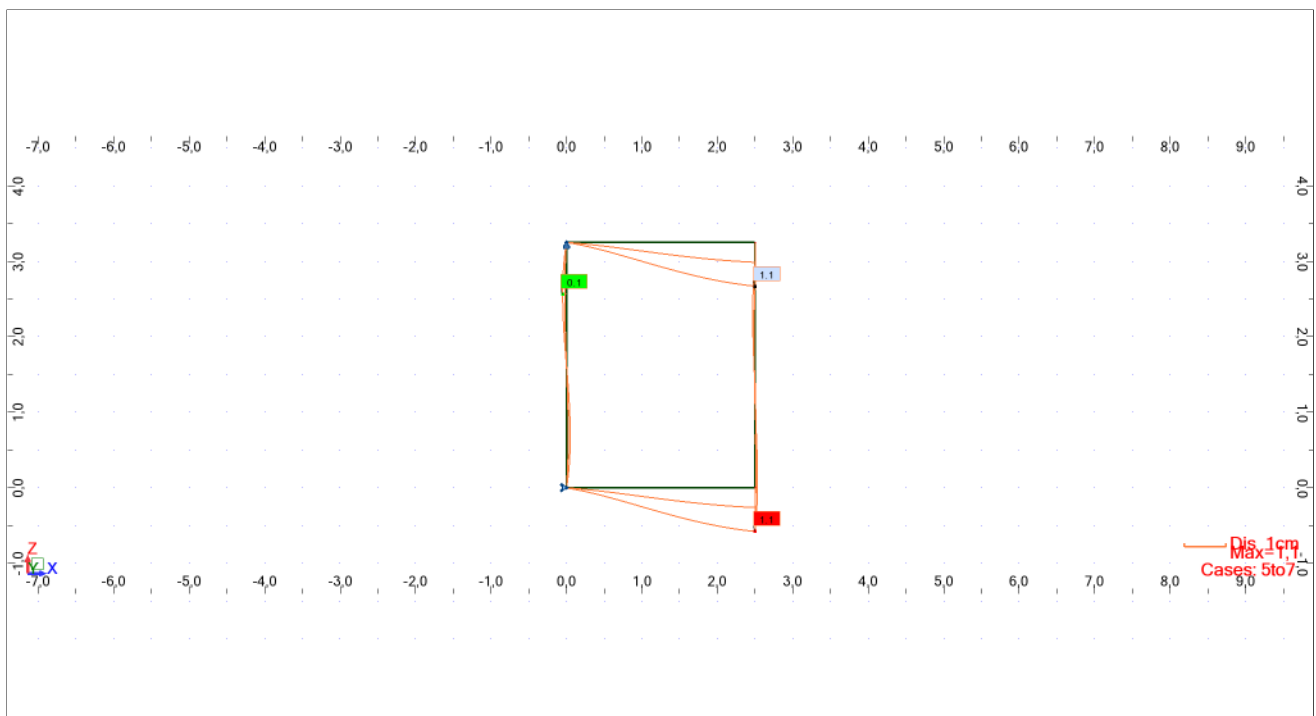
Omhullende dwarskrachten



Omhullende normaalkrachten



Omhullende verplaatsingen



Members - Definition

Member	Name	Components	Code group	Section	Type	Ly (m)	Lz (m)
1	Simple bar_1	1	(NA)	SHSH 150x150x8	Balkon constructie	2,50	2,50
2	Simple bar_2	2	(NA)	SHSH 150x150x8	Balkon constructie	2,50	2,50
3	Simple bar_3	3	(NA)	SHSH 150x150x8	Balkon constructie	3,25	3,25
4	Simple bar_4	4	(NA)	SHSH 150x150x8	Balkon constructie	3,25	3,25

Staal controle

Member		Material	Lay	Laz	Ratio	Case	Ratio(uz)	
1 Simple bar_1	OK	SHSH 150x150x8	STAAL	76.02	43.32	0.40	4 Fundamenteel 2 (6-10b)	0.08
2 Simple bar_2	OK	SHSH 150x150x8	STAAL	69.31	43.32	0.41	4 Fundamenteel 2 (6-10b)	0.08
3 Simple bar_3	OK	SHSH 150x150x8	STAAL	81.04	56.31	0.26	4 Fundamenteel 2 (6-10b)	0.04
4 Simple bar_4	OK	SHSH 150x150x8	STAAL	78.09	56.31	0.41	4 Fundamenteel 2 (6-10b)	0.07

Case (uz)	Ratio(vy)	Case (vy)
7 Einddoorbuiging	0.00	5 Onmiddelijke doorbuiging
7 Einddoorbuiging	0.00	5 Onmiddelijke doorbuiging
7 Einddoorbuiging	0.00	5 Onmiddelijke doorbuiging
7 Einddoorbuiging	0.00	5 Onmiddelijke doorbuiging