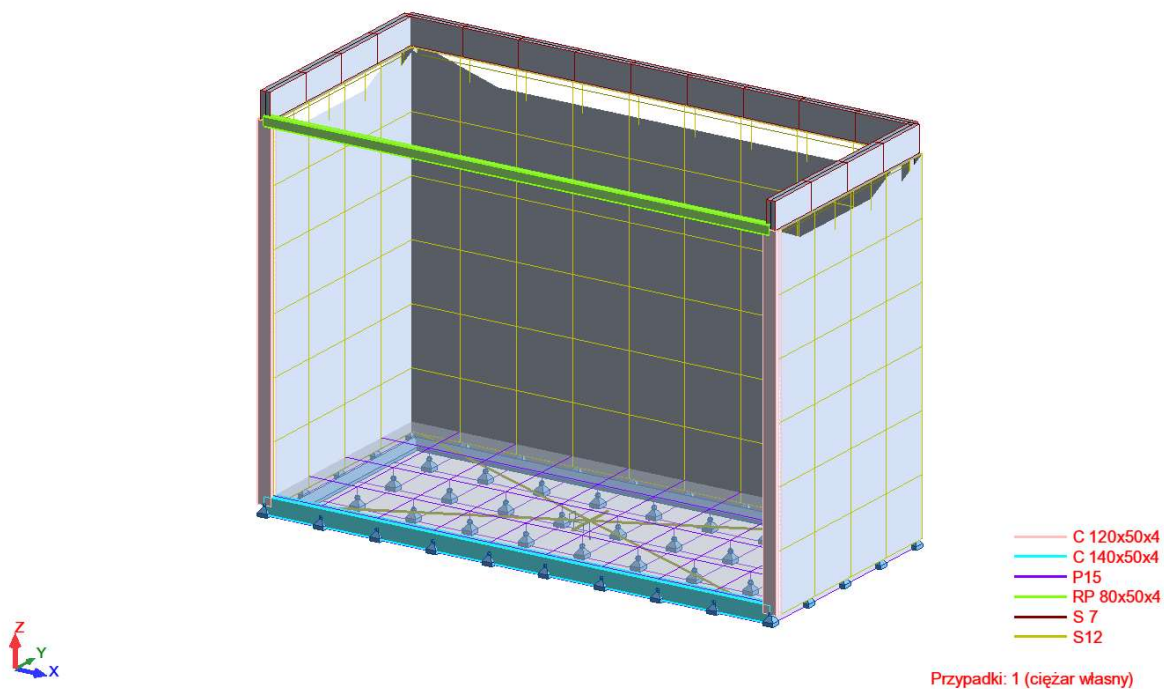
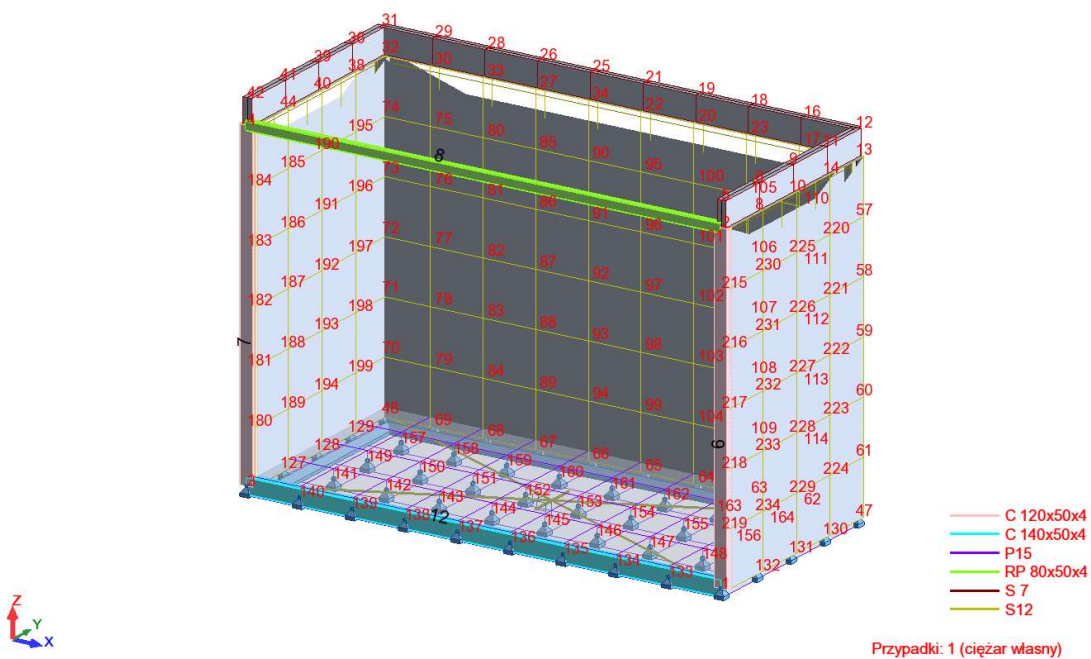


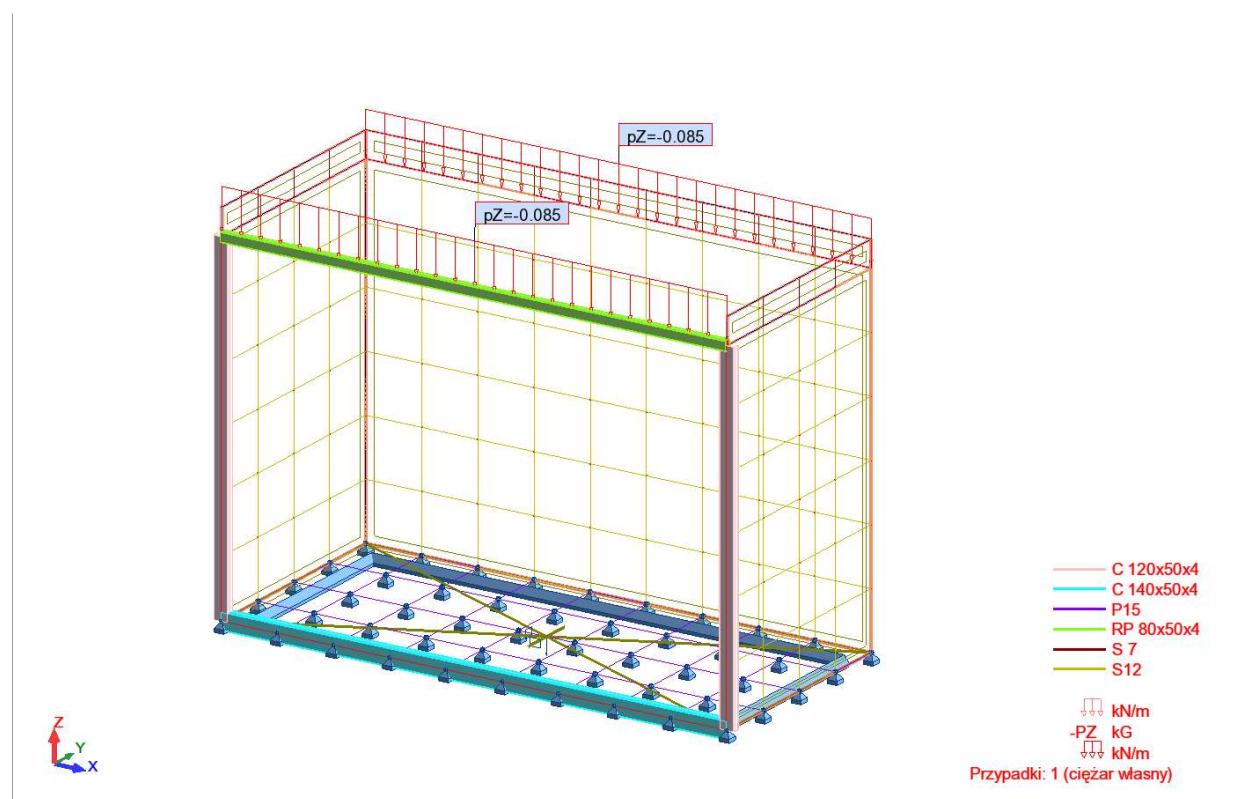
### widok konstrukcji kontenera



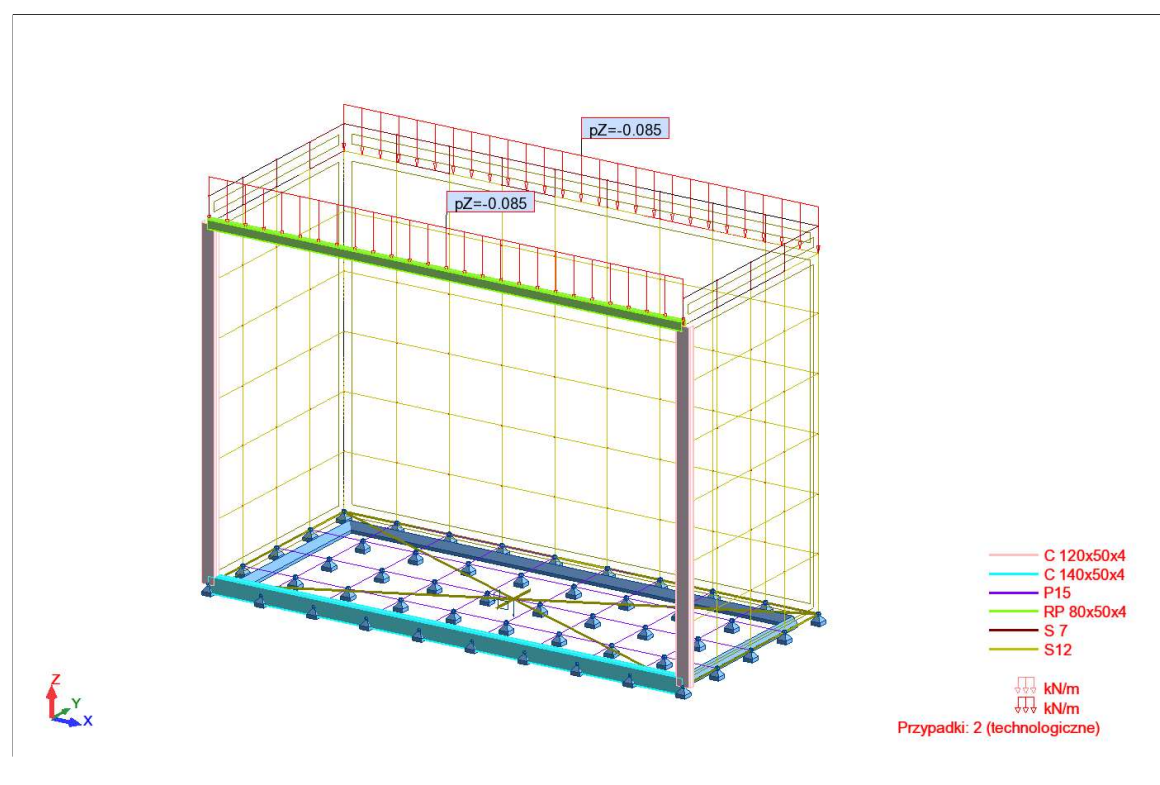
### schemat konstrukcji kontenera



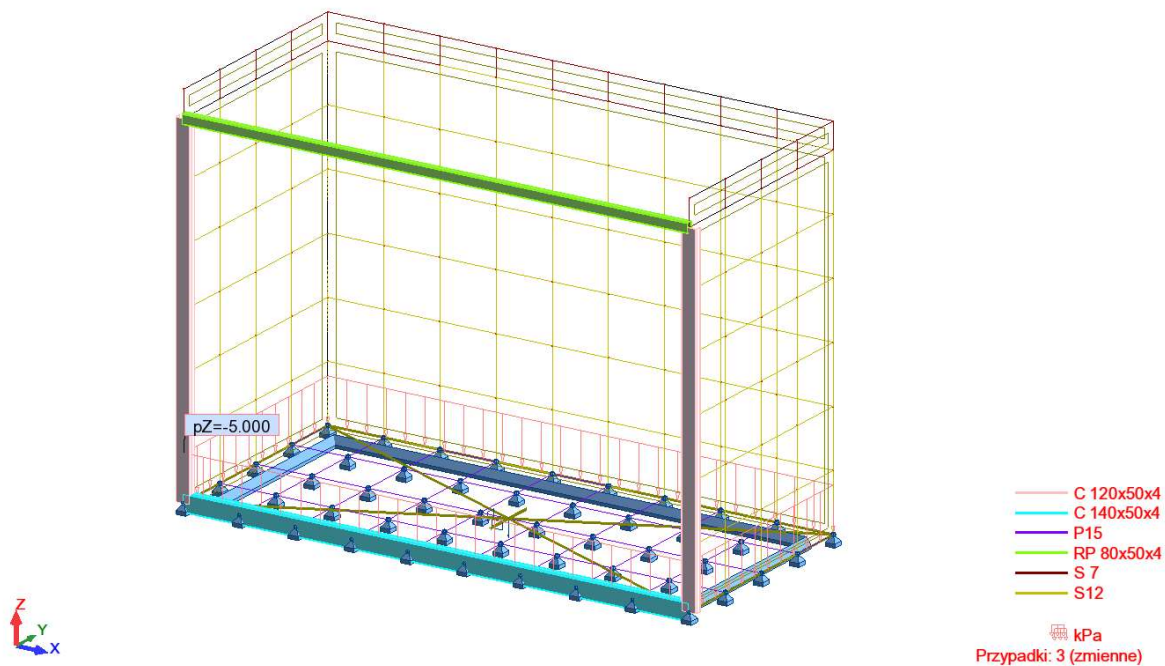
### obciążenie 1: ciężar własny



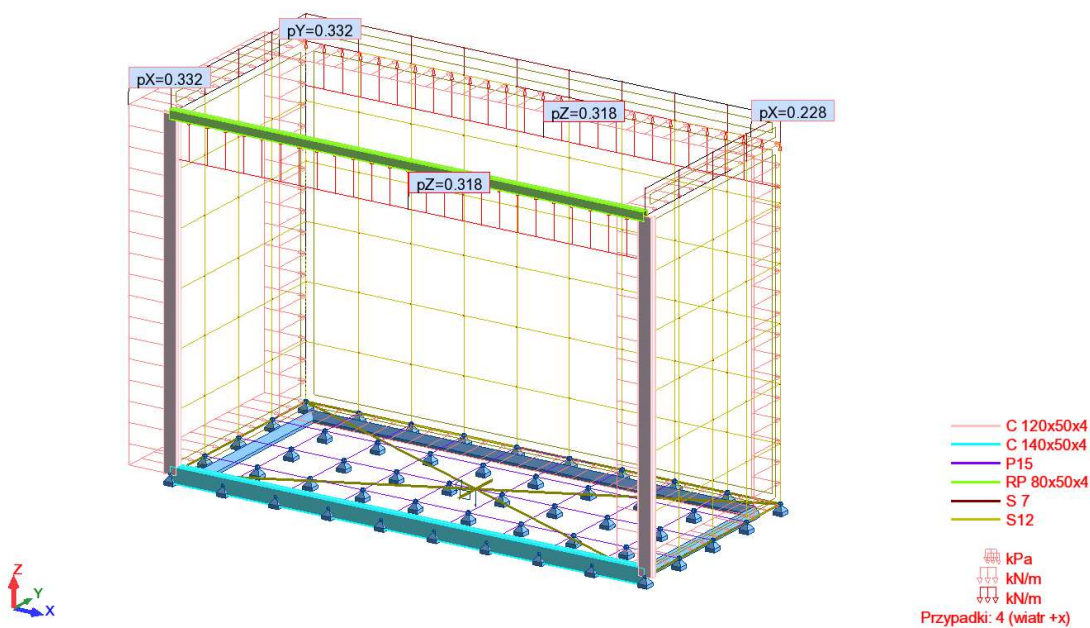
### obciążenie 2: obciążenie technologiczne dachu



### obciążenie 3: zmienne podłogi

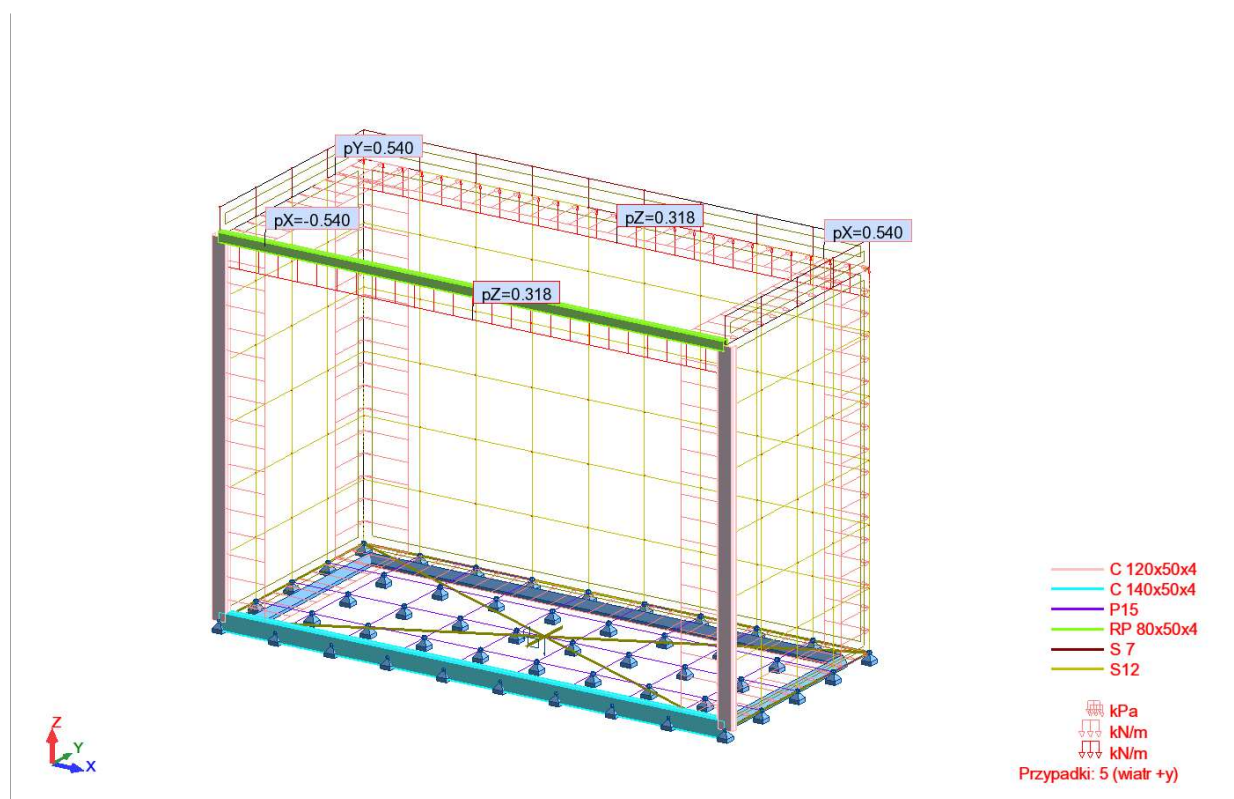


### obciążenie 4: wiatr +x

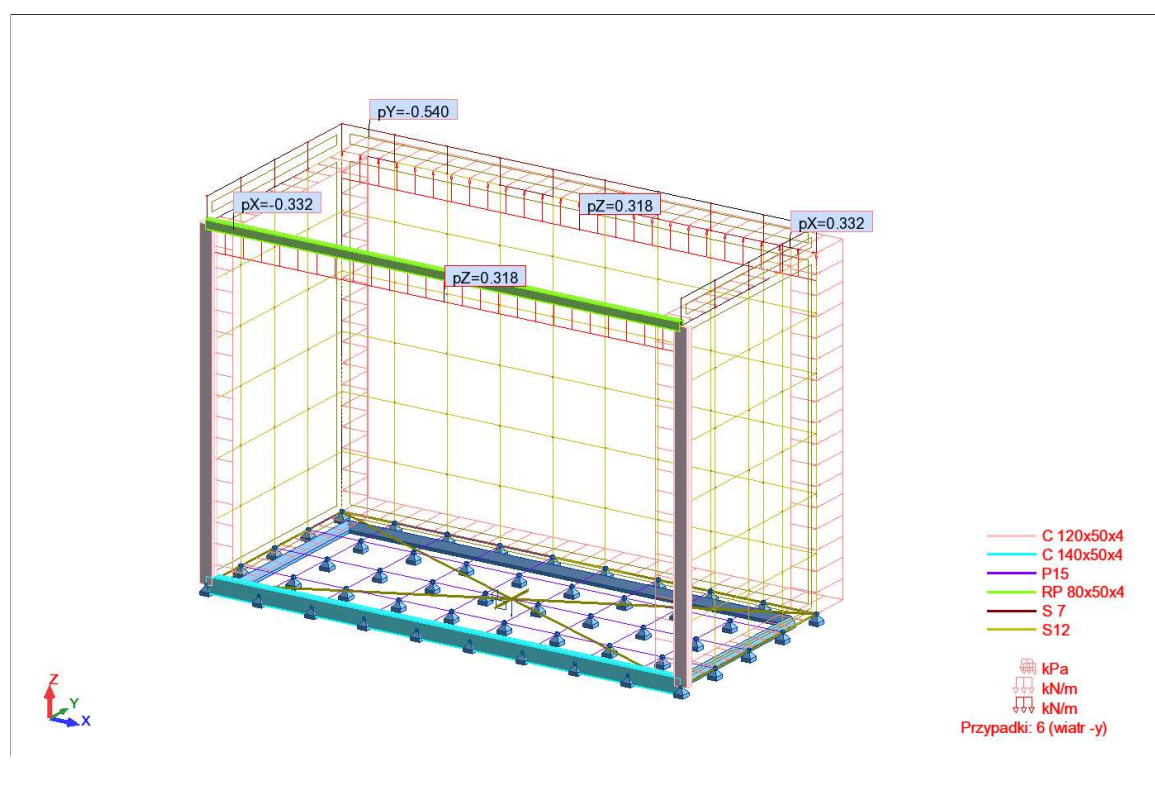




#### obciążenie 4: wiatr +y

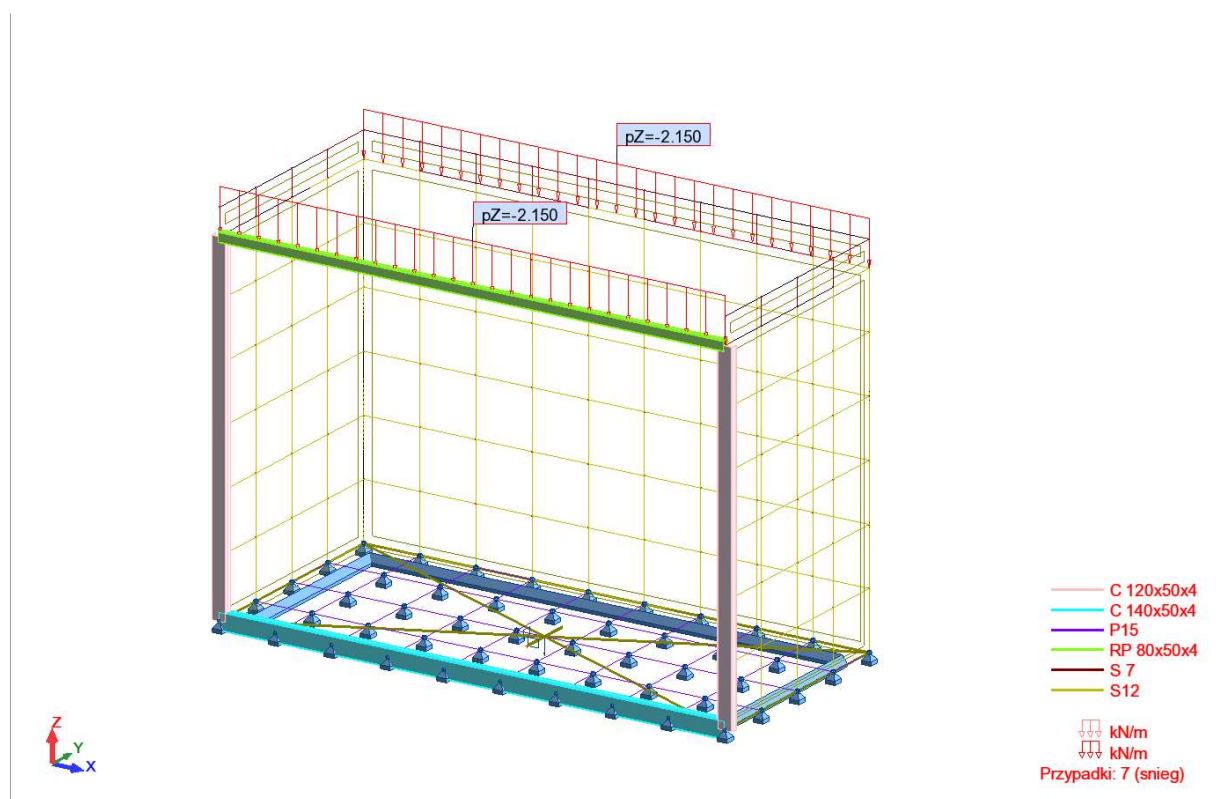


#### obciążenie 4: wiatr -y





## obciążenie 7: śnieg



## Definicje kombinacji automatycznych - Przypadki: 8do23K3 [ PN-EN 1990:2004 ] [ PN-EN 1990:2004 ]: Wartości: 1

Kombinacja/Składowa	Definicja
ULS/ 1	$1*1.35 + 2*1.35 + 3*1.05 + 7*0.75$
ULS/ 2	$1*1.35 + 2*1.35 + 3*1.05$
ULS/ 3	$1*1.35 + 2*1.35 + 3*1.05 + 4*0.90 + 7*0.75$
ULS/ 4	$1*1.35 + 2*1.35 + 3*1.05 + 4*0.90$
ULS/ 5	$1*1.35 + 2*1.35 + 3*1.05 + 5*0.90 + 7*0.75$
ULS/ 6	$1*1.35 + 2*1.35 + 3*1.05 + 5*0.90$
ULS/ 7	$1*1.35 + 2*1.35 + 3*1.05 + 6*0.90 + 7*0.75$
ULS/ 8	$1*1.35 + 2*1.35 + 3*1.05 + 6*0.90$
ULS/ 9	$1*1.35 + 2*1.35 + 7*0.75$
ULS/ 10	$1*1.35 + 2*1.35$
ULS/ 11	$1*1.35 + 2*1.35 + 4*0.90 + 7*0.75$
ULS/ 12	$1*1.35 + 2*1.35 + 4*0.90$
ULS/ 13	$1*1.35 + 2*1.35 + 5*0.90 + 7*0.75$
ULS/ 14	$1*1.35 + 2*1.35 + 5*0.90$
ULS/ 15	$1*1.35 + 2*1.35 + 6*0.90 + 7*0.75$
ULS/ 16	$1*1.35 + 2*1.35 + 6*0.90$
ULS/ 17	$1*1.00 + 2*1.00 + 3*1.05 + 7*0.75$
ULS/ 18	$1*1.00 + 2*1.00 + 3*1.05$

Kombinacja/Składowa	Definicja
ULS/ 19	$1*1.00 + 2*1.00 + 3*1.05 + 4*0.90 + 7*0.75$
ULS/ 20	$1*1.00 + 2*1.00 + 3*1.05 + 4*0.90$
ULS/ 21	$1*1.00 + 2*1.00 + 3*1.05 + 5*0.90 + 7*0.75$
ULS/ 22	$1*1.00 + 2*1.00 + 3*1.05 + 5*0.90$
ULS/ 23	$1*1.00 + 2*1.00 + 3*1.05 + 6*0.90 + 7*0.75$
ULS/ 24	$1*1.00 + 2*1.00 + 3*1.05 + 6*0.90$
ULS/ 25	$1*1.00 + 2*1.00 + 7*0.75$
ULS/ 26	$1*1.00 + 2*1.00$
ULS/ 27	$1*1.00 + 2*1.00 + 4*0.90 + 7*0.75$
ULS/ 28	$1*1.00 + 2*1.00 + 4*0.90$
ULS/ 29	$1*1.00 + 2*1.00 + 5*0.90 + 7*0.75$
ULS/ 30	$1*1.00 + 2*1.00 + 5*0.90$
ULS/ 31	$1*1.00 + 2*1.00 + 6*0.90 + 7*0.75$
ULS/ 32	$1*1.00 + 2*1.00 + 6*0.90$
ULS/ 33	$1*1.15 + 2*1.15 + 3*1.50 + 7*0.75$
ULS/ 34	$1*1.15 + 2*1.15 + 3*1.50$
ULS/ 35	$1*1.15 + 2*1.15 + 3*1.50 + 4*0.90 + 7*0.75$
ULS/ 36	$1*1.15 + 2*1.15 + 3*1.50 + 4*0.90$
ULS/ 37	$1*1.15 + 2*1.15 + 3*1.50 + 5*0.90 + 7*0.75$
ULS/ 38	$1*1.15 + 2*1.15 + 3*1.50 + 5*0.90$
ULS/ 39	$1*1.15 + 2*1.15 + 3*1.50 + 6*0.90 + 7*0.75$
ULS/ 40	$1*1.15 + 2*1.15 + 3*1.50 + 6*0.90$
ULS/ 41	$1*1.15 + 2*1.15$
ULS/ 42	$1*1.00 + 2*1.00 + 3*1.50 + 7*0.75$
ULS/ 43	$1*1.00 + 2*1.00 + 3*1.50$
ULS/ 44	$1*1.00 + 2*1.00 + 3*1.50 + 4*0.90 + 7*0.75$
ULS/ 45	$1*1.00 + 2*1.00 + 3*1.50 + 4*0.90$
ULS/ 46	$1*1.00 + 2*1.00 + 3*1.50 + 5*0.90 + 7*0.75$
ULS/ 47	$1*1.00 + 2*1.00 + 3*1.50 + 5*0.90$
ULS/ 48	$1*1.00 + 2*1.00 + 3*1.50 + 6*0.90 + 7*0.75$
ULS/ 49	$1*1.00 + 2*1.00 + 3*1.50 + 6*0.90$
ULS/ 50	$1*1.00 + 2*1.00$
ULS/ 51	$1*1.15 + 2*1.15 + 3*1.05 + 4*1.50 + 7*0.75$
ULS/ 52	$1*1.15 + 2*1.15 + 3*1.05 + 4*1.50$
ULS/ 53	$1*1.15 + 2*1.15 + 3*1.05 + 5*1.50 + 7*0.75$
ULS/ 54	$1*1.15 + 2*1.15 + 3*1.05 + 5*1.50$
ULS/ 55	$1*1.15 + 2*1.15 + 3*1.05 + 6*1.50 + 7*0.75$
ULS/ 56	$1*1.15 + 2*1.15 + 3*1.05 + 6*1.50$
ULS/ 57	$1*1.15 + 2*1.15 + 4*1.50 + 7*0.75$
ULS/ 58	$1*1.15 + 2*1.15 + 4*1.50$
ULS/ 59	$1*1.15 + 2*1.15 + 5*1.50 + 7*0.75$
ULS/ 60	$1*1.15 + 2*1.15 + 5*1.50$
ULS/ 61	$1*1.15 + 2*1.15 + 6*1.50 + 7*0.75$
ULS/ 62	$1*1.15 + 2*1.15 + 6*1.50$
ULS/ 63	$1*1.00 + 2*1.00 + 3*1.05 + 4*1.50 + 7*0.75$
ULS/ 64	$1*1.00 + 2*1.00 + 3*1.05 + 4*1.50$
ULS/ 65	$1*1.00 + 2*1.00 + 3*1.05 + 5*1.50 + 7*0.75$

Kombinacja/Składowa	Definicja
ULS/ 66	$1*1.00 + 2*1.00 + 3*1.05 + 5*1.50$
ULS/ 67	$1*1.00 + 2*1.00 + 3*1.05 + 6*1.50 + 7*0.75$
ULS/ 68	$1*1.00 + 2*1.00 + 3*1.05 + 6*1.50$
ULS/ 69	$1*1.00 + 2*1.00 + 4*1.50 + 7*0.75$
ULS/ 70	$1*1.00 + 2*1.00 + 4*1.50$
ULS/ 71	$1*1.00 + 2*1.00 + 5*1.50 + 7*0.75$
ULS/ 72	$1*1.00 + 2*1.00 + 5*1.50$
ULS/ 73	$1*1.00 + 2*1.00 + 6*1.50 + 7*0.75$
ULS/ 74	$1*1.00 + 2*1.00 + 6*1.50$
ULS/ 75	$1*1.15 + 2*1.15 + 3*1.05 + 7*1.50$
ULS/ 76	$1*1.15 + 2*1.15 + 3*1.05 + 4*0.90 + 7*1.50$
ULS/ 77	$1*1.15 + 2*1.15 + 3*1.05 + 5*0.90 + 7*1.50$
ULS/ 78	$1*1.15 + 2*1.15 + 3*1.05 + 6*0.90 + 7*1.50$
ULS/ 79	$1*1.15 + 2*1.15 + 7*1.50$
ULS/ 80	$1*1.15 + 2*1.15 + 4*0.90 + 7*1.50$
ULS/ 81	$1*1.15 + 2*1.15 + 5*0.90 + 7*1.50$
ULS/ 82	$1*1.15 + 2*1.15 + 6*0.90 + 7*1.50$
ULS/ 83	$1*1.00 + 2*1.00 + 3*1.05 + 7*1.50$
ULS/ 84	$1*1.00 + 2*1.00 + 3*1.05 + 4*0.90 + 7*1.50$
ULS/ 85	$1*1.00 + 2*1.00 + 3*1.05 + 5*0.90 + 7*1.50$
ULS/ 86	$1*1.00 + 2*1.00 + 3*1.05 + 6*0.90 + 7*1.50$
ULS/ 87	$1*1.00 + 2*1.00 + 7*1.50$
ULS/ 88	$1*1.00 + 2*1.00 + 4*0.90 + 7*1.50$
ULS/ 89	$1*1.00 + 2*1.00 + 5*0.90 + 7*1.50$
ULS/ 90	$1*1.00 + 2*1.00 + 6*0.90 + 7*1.50$
SLS:CHR/ 1	$1*1.00 + 2*1.00 + 3*1.00 + 7*0.50$
SLS:CHR/ 2	$1*1.00 + 2*1.00 + 3*1.00$
SLS:CHR/ 3	$1*1.00 + 2*1.00 + 3*1.00 + 4*0.60 + 7*0.50$
SLS:CHR/ 4	$1*1.00 + 2*1.00 + 3*1.00 + 4*0.60$
SLS:CHR/ 5	$1*1.00 + 2*1.00 + 3*1.00 + 5*0.60 + 7*0.50$
SLS:CHR/ 6	$1*1.00 + 2*1.00 + 3*1.00 + 5*0.60$
SLS:CHR/ 7	$1*1.00 + 2*1.00 + 3*1.00 + 6*0.60 + 7*0.50$
SLS:CHR/ 8	$1*1.00 + 2*1.00 + 3*1.00 + 6*0.60$
SLS:CHR/ 9	$1*1.00 + 2*1.00$
SLS:CHR/ 10	$1*1.00 + 2*1.00 + 3*0.70 + 4*1.00 + 7*0.50$
SLS:CHR/ 11	$1*1.00 + 2*1.00 + 3*0.70 + 4*1.00$
SLS:CHR/ 12	$1*1.00 + 2*1.00 + 3*0.70 + 5*1.00 + 7*0.50$
SLS:CHR/ 13	$1*1.00 + 2*1.00 + 3*0.70 + 5*1.00$
SLS:CHR/ 14	$1*1.00 + 2*1.00 + 3*0.70 + 6*1.00 + 7*0.50$
SLS:CHR/ 15	$1*1.00 + 2*1.00 + 3*0.70 + 6*1.00$
SLS:CHR/ 16	$1*1.00 + 2*1.00 + 4*1.00 + 7*0.50$
SLS:CHR/ 17	$1*1.00 + 2*1.00 + 4*1.00$
SLS:CHR/ 18	$1*1.00 + 2*1.00 + 5*1.00 + 7*0.50$
SLS:CHR/ 19	$1*1.00 + 2*1.00 + 5*1.00$
SLS:CHR/ 20	$1*1.00 + 2*1.00 + 6*1.00 + 7*0.50$
SLS:CHR/ 21	$1*1.00 + 2*1.00 + 6*1.00$
SLS:CHR/ 22	$1*1.00 + 2*1.00 + 3*0.70 + 7*1.00$



Kombinacja/Składowa	Definicja
SLS:CHR/ 23	$1*1.00 + 2*1.00 + 3*0.70 + 4*0.60 + 7*1.00$
SLS:CHR/ 24	$1*1.00 + 2*1.00 + 3*0.70 + 5*0.60 + 7*1.00$
SLS:CHR/ 25	$1*1.00 + 2*1.00 + 3*0.70 + 6*0.60 + 7*1.00$
SLS:CHR/ 26	$1*1.00 + 2*1.00 + 7*1.00$
SLS:CHR/ 27	$1*1.00 + 2*1.00 + 4*0.60 + 7*1.00$
SLS:CHR/ 28	$1*1.00 + 2*1.00 + 5*0.60 + 7*1.00$
SLS:CHR/ 29	$1*1.00 + 2*1.00 + 6*0.60 + 7*1.00$
SLS:FRE/ 30	$1*1.00 + 2*1.00 + 3*0.70$
SLS:FRE/ 31	$1*1.00 + 2*1.00$
SLS:FRE/ 32	$1*1.00 + 2*1.00 + 3*0.60 + 4*0.20$
SLS:FRE/ 33	$1*1.00 + 2*1.00 + 3*0.60 + 5*0.20$
SLS:FRE/ 34	$1*1.00 + 2*1.00 + 3*0.60 + 6*0.20$
SLS:FRE/ 35	$1*1.00 + 2*1.00 + 4*0.20$
SLS:FRE/ 36	$1*1.00 + 2*1.00 + 5*0.20$
SLS:FRE/ 37	$1*1.00 + 2*1.00 + 6*0.20$
SLS:FRE/ 38	$1*1.00 + 2*1.00 + 3*0.60 + 7*0.20$
SLS:FRE/ 39	$1*1.00 + 2*1.00 + 7*0.20$
SLS:QPR/ 40	$1*1.00 + 2*1.00 + 3*0.60$
SLS:QPR/ 41	$1*1.00 + 2*1.00$
SLS/ 1	$1*1.00 + 2*1.00 + 3*1.00 + 7*0.50$
SLS/ 2	$1*1.00 + 2*1.00 + 3*1.00$
SLS/ 3	$1*1.00 + 2*1.00 + 3*1.00 + 4*0.60 + 7*0.50$
SLS/ 4	$1*1.00 + 2*1.00 + 3*1.00 + 4*0.60$
SLS/ 5	$1*1.00 + 2*1.00 + 3*1.00 + 5*0.60 + 7*0.50$
SLS/ 6	$1*1.00 + 2*1.00 + 3*1.00 + 5*0.60$
SLS/ 7	$1*1.00 + 2*1.00 + 3*1.00 + 6*0.60 + 7*0.50$
SLS/ 8	$1*1.00 + 2*1.00 + 3*1.00 + 6*0.60$
SLS/ 9	$1*1.00 + 2*1.00$
SLS/ 10	$1*1.00 + 2*1.00 + 3*0.70 + 4*1.00 + 7*0.50$
SLS/ 11	$1*1.00 + 2*1.00 + 3*0.70 + 4*1.00$
SLS/ 12	$1*1.00 + 2*1.00 + 3*0.70 + 5*1.00 + 7*0.50$
SLS/ 13	$1*1.00 + 2*1.00 + 3*0.70 + 5*1.00$
SLS/ 14	$1*1.00 + 2*1.00 + 3*0.70 + 6*1.00 + 7*0.50$
SLS/ 15	$1*1.00 + 2*1.00 + 3*0.70 + 6*1.00$
SLS/ 16	$1*1.00 + 2*1.00 + 4*1.00 + 7*0.50$
SLS/ 17	$1*1.00 + 2*1.00 + 4*1.00$
SLS/ 18	$1*1.00 + 2*1.00 + 5*1.00 + 7*0.50$
SLS/ 19	$1*1.00 + 2*1.00 + 5*1.00$
SLS/ 20	$1*1.00 + 2*1.00 + 6*1.00 + 7*0.50$
SLS/ 21	$1*1.00 + 2*1.00 + 6*1.00$
SLS/ 22	$1*1.00 + 2*1.00 + 3*0.70 + 7*1.00$
SLS/ 23	$1*1.00 + 2*1.00 + 3*0.70 + 4*0.60 + 7*1.00$
SLS/ 24	$1*1.00 + 2*1.00 + 3*0.70 + 5*0.60 + 7*1.00$
SLS/ 25	$1*1.00 + 2*1.00 + 3*0.70 + 6*0.60 + 7*1.00$
SLS/ 26	$1*1.00 + 2*1.00 + 7*1.00$
SLS/ 27	$1*1.00 + 2*1.00 + 4*0.60 + 7*1.00$
SLS/ 28	$1*1.00 + 2*1.00 + 5*0.60 + 7*1.00$

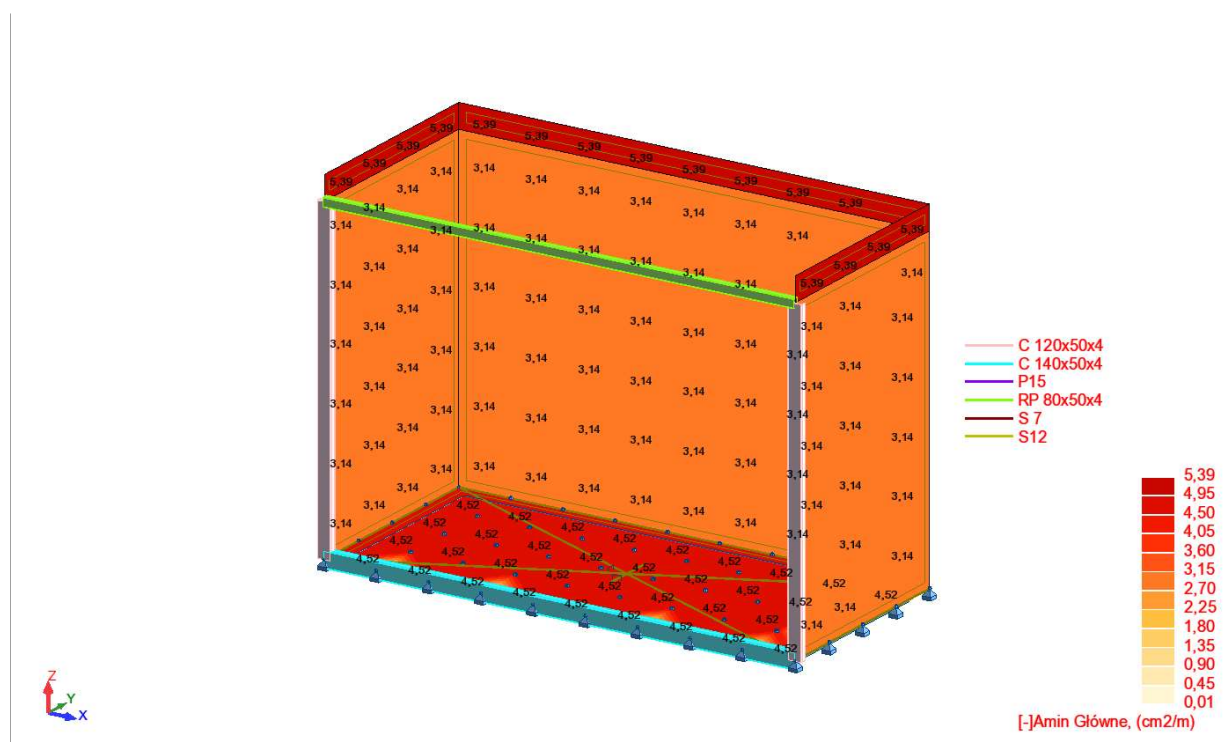
Kombinacja/Składowa	Definicja
SLS/ 29	1*1.00 + 2*1.00 + 6*0.60 + 7*1.00
SLS/ 1	1*1.00 + 2*1.00 + 3*0.70
SLS/ 2	1*1.00 + 2*1.00
SLS/ 3	1*1.00 + 2*1.00 + 3*0.60 + 4*0.20
SLS/ 4	1*1.00 + 2*1.00 + 3*0.60 + 5*0.20
SLS/ 5	1*1.00 + 2*1.00 + 3*0.60 + 6*0.20
SLS/ 6	1*1.00 + 2*1.00 + 4*0.20
SLS/ 7	1*1.00 + 2*1.00 + 5*0.20
SLS/ 8	1*1.00 + 2*1.00 + 6*0.20
SLS/ 9	1*1.00 + 2*1.00 + 3*0.60 + 7*0.20
SLS/ 10	1*1.00 + 2*1.00 + 7*0.20
SLS/ 1	1*1.00 + 2*1.00 + 3*0.60
SLS/ 2	1*1.00 + 2*1.00
SPEC/ 1	1*1.00 + 2*1.00 + 3*0.70
SPEC/ 2	1*1.00 + 2*1.00
SPEC/ 3	1*1.00 + 2*1.00 + 3*0.60 + 4*0.20
SPEC/ 4	1*1.00 + 2*1.00 + 3*0.60 + 5*0.20
SPEC/ 5	1*1.00 + 2*1.00 + 3*0.60 + 6*0.20
SPEC/ 6	1*1.00 + 2*1.00 + 4*0.20
SPEC/ 7	1*1.00 + 2*1.00 + 5*0.20
SPEC/ 8	1*1.00 + 2*1.00 + 6*0.20
SPEC/ 9	1*1.00 + 2*1.00 + 3*0.60 + 7*0.20
SPEC/ 10	1*1.00 + 2*1.00 + 7*0.20

## wyniki obliczeń elementów stalowych

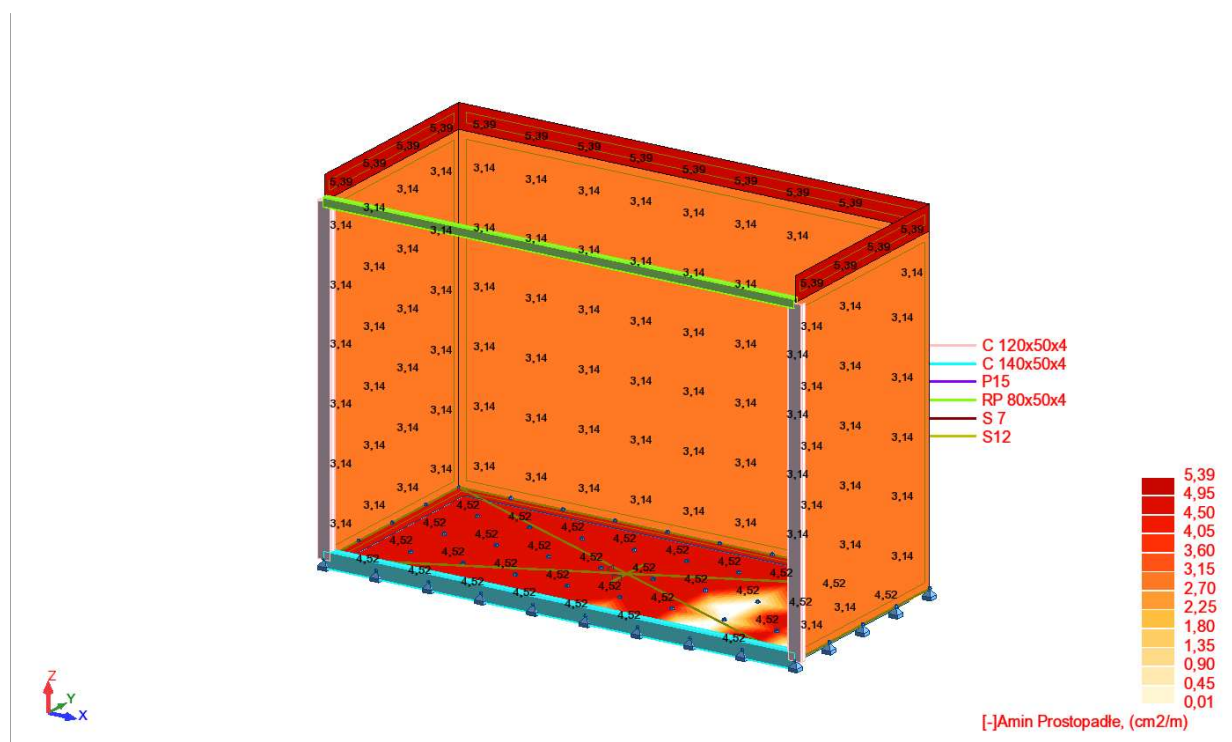
Pręt			Materiał	Lay	Laz	Wyteż.	Przypadek	Prop.(uy)
6 Słup_6	OK	C 120x50x4	STAL St3S	58.02	172.89	0.20	8 ULS /75/	-
7 Słup_7	OK	C 120x50x4	STAL St3S	58.02	172.89	0.20	8 ULS /75/	-
8 Belka_8	OK	RP 80x50x4	STAHL	135.77	196.48	0.75	8 ULS /75/	0.00
12 Belka_12	OK	C 140x50x4	STAL St3S	74.04	259.21	0.05	8 ULS /78/	0.00

Przyp.(uy)	Prop.(uz)	Przyp.(uz)	Prop.(vx)	Przyp.(vx)	Prop.(vy)	Przyp.(vy)
-	-	-	0.00	4 wiatr +x	0.00	11 SLS /25/
-	-	-	0.00	11 SLS /10/	0.00	11 SLS /25/
11 SLS /23/	0.50	11 SLS /22/	-	-	-	-
11 SLS /25/	0.00	11 SLS /25/	-	-	-	-

### Widok - [-]Amin Główne

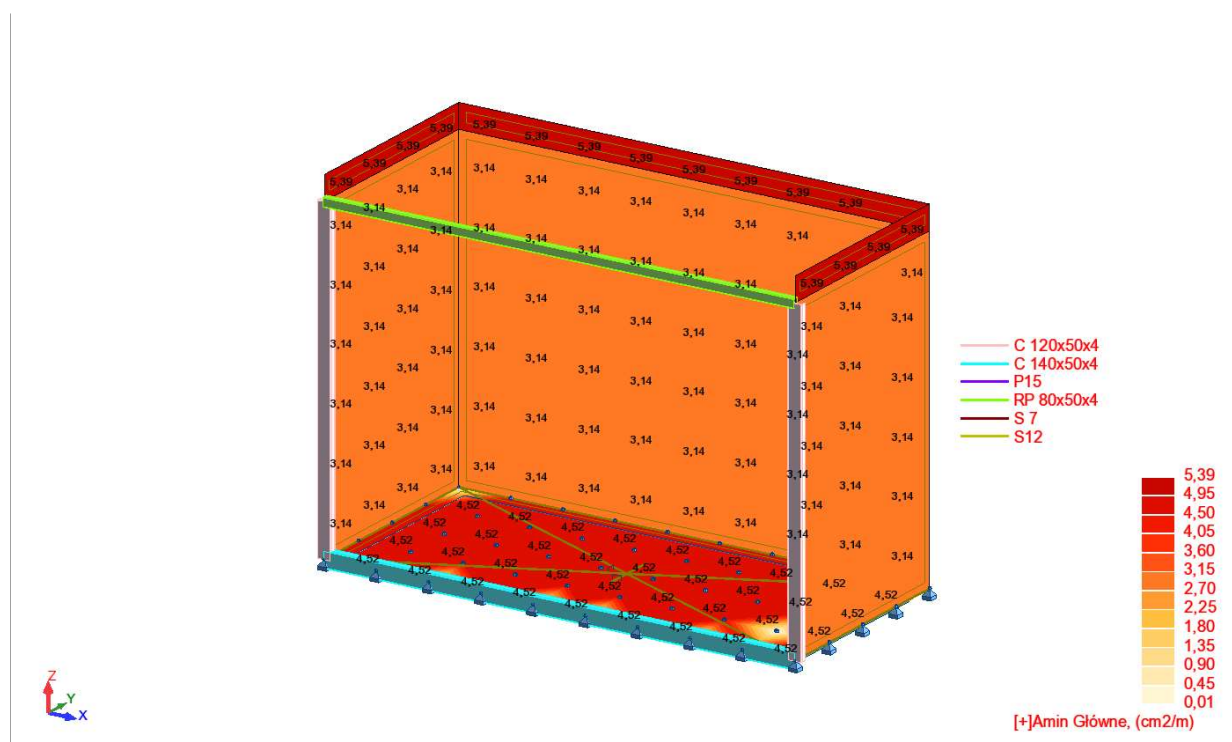


### Widok - [-]Amin Prostopadłe

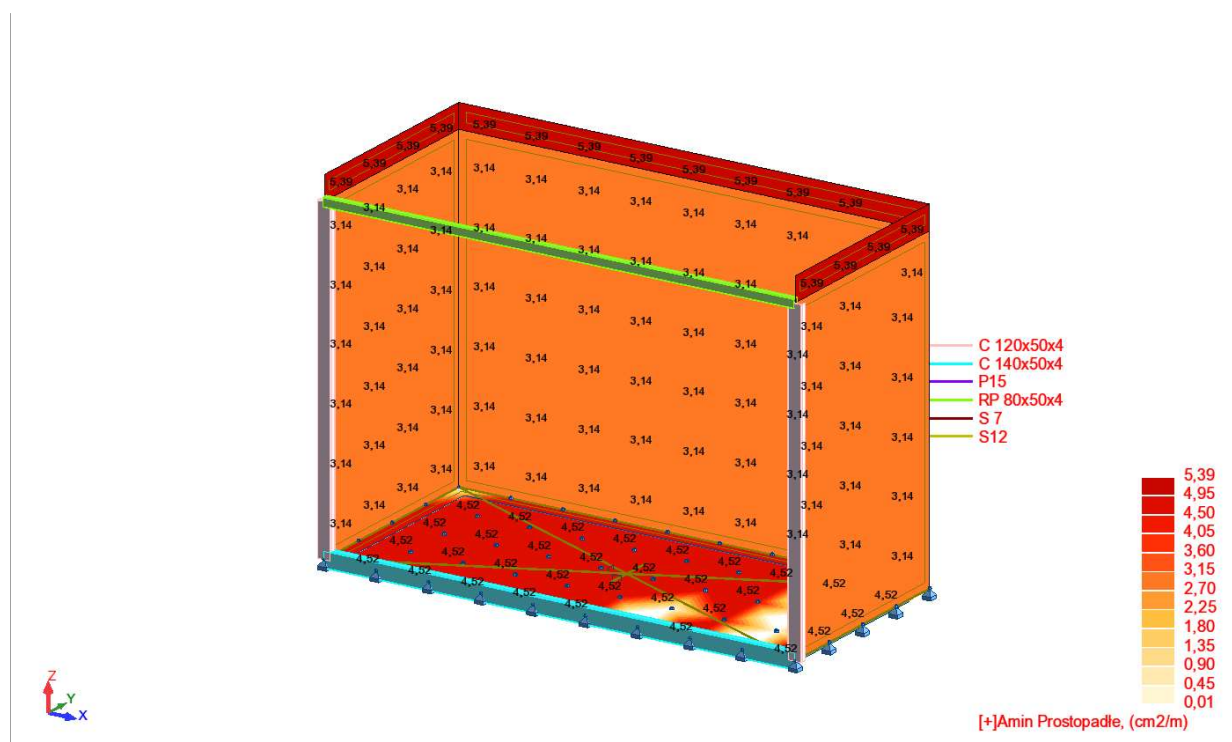




### Widok - [+]Amin Główne



### Widok - [+]Amin Prostopadłe



**Ugięcia maksymalne - Przypadki: 1do7 9do24K3 10do25K3 : Ekstrema globalne: 1**

	UX (cm)	UY (cm)	UZ (cm)
<b>MAX</b>	0,0	0,0	0,1
<b>Pręt</b>	7	8	8
<b>Przypadek</b>	ULS/85	ULS/68	4
<b>MIN</b>	-0,0	-0,0	-1,4
<b>Pręt</b>	6	8	8
<b>Przypadek</b>	ULS/56	ULS/76	ULS/75

**Reakcje w układzie globalnym - Przypadki: 1do7 9do24K3 10do25K3 : Ekstrema globalne: 1**

	FX (kN)	FY (kN)	FZ (kN)
<b>MAX</b>	1,265	1,999	10,676
<b>Węzeł</b>	3	1	132
<b>Przypadek</b>	ULS/77	ULS/78	ULS/78
<b>MIN</b>	-1,265	-1,397	-1,425
<b>Węzeł</b>	1	48	133
<b>Przypadek</b>	ULS/77	ULS/53	ULS/90