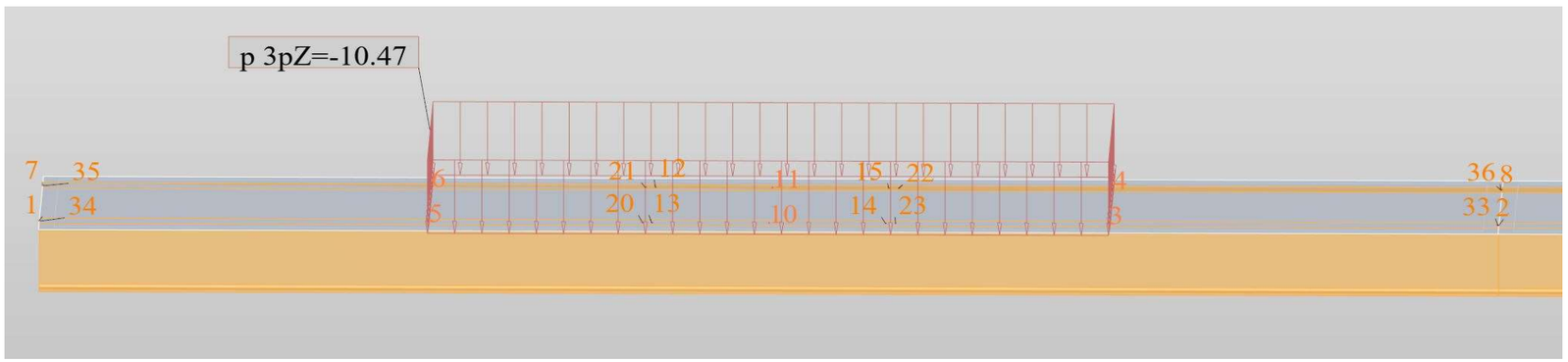
Forklaring til vedlegget: Her vises alle enkeltlaster som er benyttet i programmet Robot.
En node last er en punktlast plassert i en node som er definert i aksesystemet i Robot se bilde.
En (FE) uniform lasttype er en flatelast som går over hele flaten. En flate er definert oppå bjelkene, deretter er det definert en last per kvadratmeter.
En (FE) planar on contour er en flatelast som er definert til å gå over en viss lengde, for kjøretøylast for eksempel er denne definert til å gå 3x7 meter. Denne er manuelt definert i programmet
En uniform last er en jevnt fordelt last på en bjelke, for vind er denne definert å fordeles som sidelast på bjelke 1 5 12 13. Det finnes kun 4 bjelker, de er ikke nummerert i stigende rekkefølge.

Lasttilfelle	Lasttype	Plassering												
1:Egenvekt	(FE) uniform	8 9	PX=0,0	PY=0,0	PZ=-2,54	global	not project.	absolute		MEMO:				
2:WIND	uniform load	1 5 12 13	PX=2,87	PY=0,0	PZ=0,0	global	not project.	absolute	AL=0,0	BE=0,0	GA=0,0	DY=0,0	DZ=0,0	MEMO:
3:0.25 bremselast med vind	nodal force	10 11 18 19	FX=55,00	FY=0,0	FZ=0,0	CX=0,0	CY=0,0	CZ=0,0	AL=0,0	BE=0,0	GA=0,0	MEMO:		
4:25 bremselast mot vindret	nodal force	10 11 18 19	FX=-55,00	FY=0,0	FZ=0,0	CX=0,0	CY=0,0	CZ=0,0	AL=0,0	BE=0,0	GA=0,0	MEMO:		
10:Trippelboggi Bk6	nodal force	10 11 16 29	FX=0,0	FY=0,0	FZ=-28,00	CX=0,0	CY=0,0	CZ=0,0	AL=0,0	BE=0,0	GA=0,0	MEMO:		
10:Trippelboggi Bk6	nodal force	12to15 17 18 19 2	FX=0,0	FY=0,0	FZ=-20,00	CX=0,0	CY=0,0	CZ=0,0	AL=0,0	BE=0,0	GA=0,0	MEMO:		
11:Trippelboggi Bk8	nodal force	10 11 16 29	FX=0,0	FY=0,0	FZ=-42,00	CX=0,0	CY=0,0	CZ=0,0	AL=0,0	BE=0,0	GA=0,0	MEMO:		
11:Trippelboggi Bk8	nodal force	12to15 17to19 28	FX=0,0	FY=0,0	FZ=-25,00	CX=0,0	CY=0,0	CZ=0,0	AL=0,0	BE=0,0	GA=0,0	MEMO:		
12:Trippelboggi BkT8	nodal force	10 11 16 29	FX=0,0	FY=0,0	FZ=-42,00	CX=0,0	CY=0,0	CZ=0,0	AL=0,0	BE=0,0	GA=0,0	MEMO:		
12:Trippelboggi BkT8	nodal force	12to15 17to19 28	FX=0,0	FY=0,0	FZ=-30,00	CX=0,0	CY=0,0	CZ=0,0	AL=0,0	BE=0,0	GA=0,0	MEMO:		
13:Trippelboggi Bk10	nodal force	10 11 31 32	FX=0,0	FY=0,0	FZ=-70,00	CX=0,0	CY=0,0	CZ=0,0	AL=0,0	BE=0,0	GA=0,0	MEMO:		
13:Trippelboggi Bk10	nodal force	18to24 30	FX=0,0	FY=0,0	FZ=-35,00	CX=0,0	CY=0,0	CZ=0,0	AL=0,0	BE=0,0	GA=0,0	MEMO:		
20:Kjøretøylast Bk6	nodal force	10 11 18 19	FX=0,0	FY=0,0	FZ=-12,00	CX=0,0	CY=0,0	CZ=0,0	AL=0,0	BE=0,0	GA=0,0	MEMO:		
21:Kjøretøylast jevnt Bk6	(FE) planar on contour	9	PX1=0,0	PY1=0,0	PZ1=-8,57	PX2=0,0	PY2=0,0	PZ2=0,0	PX3=0,0	PY3=0,0	PZ3=0,0	N1X=0,0		
			N1Y=0,0	N1Z=0,0	N2X=0,0	N2Y=0,0	N2Z=0,0	N3X=0,0	N3Y=0,0	N3Z=0,0	global	not project.	Manual selection	N/A
21:Kjøretøylast jevnt Bk6	(FE) planar on contour	8	PX1=0,0	PY1=0,0	PZ1=-8,57	PX2=0,0	PY2=0,0	PZ2=0,0	PX3=0,0	PY3=0,0	PZ3=0,0	N1X=0,0		
			N1Y=0,0	N1Z=0,0	N2X=0,0	N2Y=0,0	N2Z=0,0	N3X=0,0	N3Y=0,0	N3Z=0,0	global	not project.	Manual selection	N/A
22:Kjøretøylast Bk8	nodal force	10 11 18 19	FX=0,0	FY=0,0	FZ=-16,00	CX=0,0	CY=0,0	CZ=0,0	AL=0,0	BE=0,0	GA=0,0	MEMO:		
23:Kjøretøylast jevnt Bk8	(FE) planar on contour	9	PX1=0,0	PY1=0,0	PZ1=-10,47	PX2=0,0	PY2=0,0	PZ2=0,0	PX3=0,0	PY3=0,0	PZ3=0,0	N1X=0,0		
			N1Y=0,0	N1Z=0,0	N2X=0,0	N2Y=0,0	N2Z=0,0	N3X=0,0	N3Y=0,0	N3Z=0,0	global	not project.	Manual selection	N/A
23:Kjøretøylast jevnt Bk8	(FE) planar on contour	8	PX1=0,0	PY1=0,0	PZ1=-10,47	PX2=0,0	PY2=0,0	PZ2=0,0	PX3=0,0	PY3=0,0	PZ3=0,0	N1X=0,0		
			N1Y=0,0	N1Z=0,0	N2X=0,0	N2Y=0,0	N2Z=0,0	N3X=0,0	N3Y=0,0	N3Z=0,0	global	not project.	Manual selection	N/A
24:Kjøretøylast BkT8	nodal force	10 11 18 19	FX=0,0	FY=0,0	FZ=-16,00	CX=0,0	CY=0,0	CZ=0,0	AL=0,0	BE=0,0	GA=0,0	MEMO:		
25:Kjøretøylast jevnt BkT8	(FE) planar on contour	9	PX1=0,0	PY1=0,0	PZ1=-13,33	PX2=0,0	PY2=0,0	PZ2=0,0	PX3=0,0	PY3=0,0	PZ3=0,0	N1X=0,0		
			N1Y=0,0	N1Z=0,0	N2X=0,0	N2Y=0,0	N2Z=0,0	N3X=0,0	N3Y=0,0	N3Z=0,0	global	not project.	Manual selection	N/A
25:Kjøretøylast jevnt BkT8	(FE) planar on contour	8	PX1=0,0	PY1=0,0	PZ1=-13,33	PX2=0,0	PY2=0,0	PZ2=0,0	PX3=0,0	PY3=0,0	PZ3=0,0	N1X=0,0		
			N1Y=0,0	N1Z=0,0	N2X=0,0	N2Y=0,0	N2Z=0,0	N3X=0,0	N3Y=0,0	N3Z=0,0	global	not project.	Manual selection	N/A
26:Kjøretøylast Bk10	nodal force	10 11 18 19	FX=0,0	FY=0,0	FZ=-20,00	CX=0,0	CY=0,0	CZ=0,0	AL=0,0	BE=0,0	GA=0,0	MEMO:		
27:Kjøretøylast jevnt Bk10	(FE) planar on contour	9	PX1=0,0	PY1=0,0	PZ1=-14,28	PX2=0,0	PY2=0,0	PZ2=0,0	PX3=0,0	PY3=0,0	PZ3=0,0	N1X=0,0		
			N1Y=0,0	N1Z=0,0	N2X=0,0	N2Y=0,0	N2Z=0,0	N3X=0,0	N3Y=0,0	N3Z=0,0	global	not project.	Manual selection	N/A
27:Kjøretøylast jevnt Bk10	(FE) planar on contour	8	PX1=0,0	PY1=0,0	PZ1=-14,28	PX2=0,0	PY2=0,0	PZ2=0,0	PX3=0,0	PY3=0,0	PZ3=0,0	N1X=0,0		
			N1Y=0,0	N1Z=0,0	N2X=0,0	N2Y=0,0	N2Z=0,0	N3X=0,0	N3Y=0,0	N3Z=0,0	global	not project.	Manual selection	N/A
30:Vogntoglast Bk6	nodal force	10 11 18 19	FX=0,0	FY=0,0	FZ=-12,00	CX=0,0	CY=0,0	CZ=0,0	AL=0,0	BE=0,0	GA=0,0	MEMO:		
31:Vogntoglast jevnt Bk6	(FE) uniform	8 9	PX=0,0	PY=0,0	PZ=-5,83	global	not project.	absolute		MEMO:				
32:Vogntoglast Bk8	nodal force	10 11 18 19	FX=0,0	FY=0,0	FZ=-16,00	CX=0,0	CY=0,0	CZ=0,0	AL=0,0	BE=0,0	GA=0,0	MEMO:		
33:Vogntoglast jevnt Bk8	(FE) uniform	8 9	PX=0,0	PY=0,0	PZ=-6,67	global	not project.	absolute		MEMO:				
34:Vogntoglast BkT8	nodal force	10 11 18 19	FX=0,0	FY=0,0	FZ=-16,00	CX=0,0	CY=0,0	CZ=0,0	AL=0,0	BE=0,0	GA=0,0	MEMO:		
35:Vogntoglast jevnt BkT8	(FE) uniform	8 9	PX=0,0	PY=0,0	PZ=-8,33	global	not project.	absolute		MEMO:				
36:Vogntoglast Bk10	nodal force	10 11 18 19	FX=0,0	FY=0,0	FZ=-20,00	CX=0,0	CY=0,0	CZ=0,0	AL=0,0	BE=0,0	GA=0,0	MEMO:		
37:Vogntoglast jevnt Bk10	(FE) uniform	8 9	PX=0,0	PY=0,0	PZ=-10,41	global	not project.	absolute		MEMO:				



Node:	Avstand fra origo (m)	Forklaring
1	15	(for opplager)
34	14.99	(for skjærberegning)
5	11	Ytterpunkt lasttilfelle kjøretøylast
20	8	Ulik aksellengde T8 - 10 trippelboggi
13	8.70	Ulik aksellengde T8 - 10 trippelboggi
10	7.5	Senter av bjelken
14	6.30	Ulik aksellengde T8 - 10 trippelboggi
23	6.20	Ulik aksellengde T8 - 10 trippelboggi
3	4	Ytterpunkt lasttilfelle kjøretøylast
33	0.01	(for skjærberegning)
2	0	(for opplager)