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Job No	Sheet No <b>1</b>	Rev
Part		
Ref		
By Egil Berg	Date 10-Jan-06	Chd
Client	File S1.std	Date/Time 11-Jan-2006 10:38

## Job Information

	Engineer	Checked	Approved
<b>Name:</b>	Egil Berg		
<b>Date:</b>	10-Jan-06		

**Structure Type** | PLANE FRAME

Number of Nodes	4	Highest Node	4
Number of Elements	3	Highest Beam	3

Number of Basic Load Cases	1
Number of Combination Load Cases	0

Included in this printout are data for:

<b>All</b>	The Whole Structure
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Included in this printout are results for load cases:

Type	L/C	Name
Primary	1	LOAD CASE 1

## Node Loads : 1 LOAD CASE 1

Node	FX (N)	FY (N)	FZ (N)	MX (N·m)	MY (N·m)	MZ (N·m)
1	-	-	-	-	-	-98.100

## Section Properties

Prop	Section	Area (mm <sup>2</sup> )	I <sub>yy</sub> (mm <sup>4</sup> )	I <sub>zz</sub> (mm <sup>4</sup> )	J (mm <sup>4</sup> )	Material
1	Rect 0.01x0.05	250.000	52.1E 3	520.833	1.95E 3	STÅL

## Node Displacements

Node	L/C	X (mm)	Y (mm)	Z (mm)	Resultant (mm)	rX (mrad)	rY (mrad)	rZ (mrad)
1	1:LOAD CASE	0.000	0.000	0.000	0.000	0.000	0.000	-7.517
2	1:LOAD CASE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	1:LOAD CASE	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	1:LOAD CASE	0.000	0.000	0.000	0.000	0.000	0.000	0.000



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## Beam End Forces

Sign convention is as the action of the joint on the beam.

Beam	Node	L/C	Axial			Shear			Torsion	Bending	
			Fx (N)	Fy (N)	Fz (N)	Mx (N·m)	My (N·m)	Mz (N·m)			
1	1	1:LOAD CASE	0.000	-489.564	0.000	0.000	0.000	0.000	0.000	-32.700	
	2	1:LOAD CASE	0.000	489.564	0.000	0.000	0.000	0.000	0.000	-16.256	
2	1	1:LOAD CASE	0.000	-489.564	0.000	0.000	0.000	0.000	0.000	-32.700	
	3	1:LOAD CASE	-0.000	489.564	0.000	0.000	0.000	0.000	0.000	-16.256	
3	1	1:LOAD CASE	-0.000	-489.564	-0.000	0.000	0.000	0.000	0.000	-32.700	
	4	1:LOAD CASE	0.000	489.564	0.000	0.000	0.000	0.000	0.000	-16.256	

## Beam Combined Axial and Bending Stresses

Beam	L/C	d	Corner 1 (N/mm <sup>2</sup> )	Corner 2 (N/mm <sup>2</sup> )	Corner 3 (N/mm <sup>2</sup> )	Corner 4 (N/mm <sup>2</sup> )	Max Tens (N/mm <sup>2</sup> )	Max Comp (N/mm <sup>2</sup> )
1	1:LOAD CASE	0.000	156.960	156.960	-156.960	-156.960	-156.960	156.960
		0.010	133.461	133.461	-133.461	-133.461	-133.461	133.461
		0.020	109.962	109.962	-109.962	-109.962	-109.962	109.962
		0.030	86.463	86.463	-86.463	-86.463	-86.463	86.463
		0.040	62.964	62.964	-62.964	-62.964	-62.964	62.964
		0.050	39.465	39.465	-39.465	-39.465	-39.465	39.465
		0.060	15.966	15.966	-15.966	-15.966	-15.966	15.966
		0.070	-7.534	-7.534	7.534	7.534	-7.534	7.534
		0.080	-31.033	-31.033	31.033	31.033	-31.033	31.033
		0.090	-54.532	-54.532	54.532	54.532	-54.532	54.532
		0.100	-78.031	-78.031	78.031	78.031	-78.031	78.031
2	1:LOAD CASE	0.000	156.960	156.960	-156.960	-156.960	-156.960	156.960
		0.010	133.461	133.461	-133.461	-133.461	-133.461	133.461
		0.020	109.962	109.962	-109.962	-109.962	-109.962	109.962
		0.030	86.463	86.463	-86.463	-86.463	-86.463	86.463
		0.040	62.964	62.964	-62.964	-62.964	-62.964	62.964
		0.050	39.465	39.465	-39.465	-39.465	-39.465	39.465
		0.060	15.966	15.966	-15.966	-15.966	-15.966	15.966
		0.070	-7.534	-7.534	7.534	7.534	-7.534	7.534
		0.080	-31.033	-31.033	31.033	31.033	-31.033	31.033
		0.090	-54.532	-54.532	54.532	54.532	-54.532	54.532
		0.100	-78.031	-78.031	78.031	78.031	-78.031	78.031
3	1:LOAD CASE	0.000	156.960	156.960	-156.960	-156.960	-156.960	156.960
		0.010	133.461	133.461	-133.461	-133.461	-133.461	133.461
		0.020	109.962	109.962	-109.962	-109.962	-109.962	109.962
		0.030	86.463	86.463	-86.463	-86.463	-86.463	86.463
		0.040	62.964	62.964	-62.964	-62.964	-62.964	62.964
		0.050	39.465	39.465	-39.465	-39.465	-39.465	39.465
		0.060	15.966	15.966	-15.966	-15.966	-15.966	15.966
		0.070	-7.534	-7.534	7.534	7.534	-7.534	7.534
		0.080	-31.033	-31.033	31.033	31.033	-31.033	31.033
		0.090	-54.532	-54.532	54.532	54.532	-54.532	54.532
		0.100	-78.031	-78.031	78.031	78.031	-78.031	78.031



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Job Title **ving nr.1**

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By **Egil Berg**

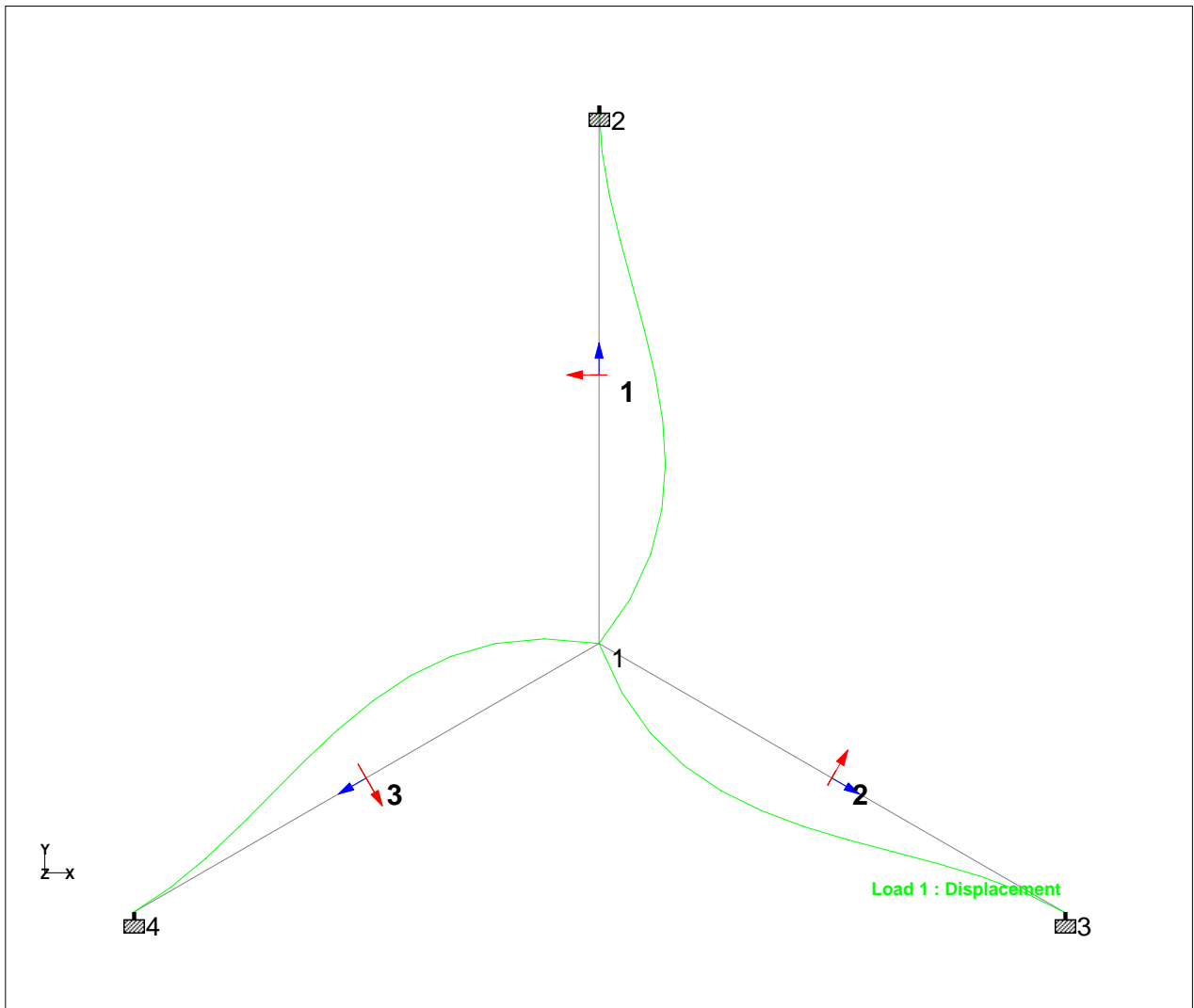
Date **10-Jan-06**

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Whole Structure Displacements 0.009mm:1mm 1 LOAD CASE 1 (Input data was modified after picture taken)



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By Egil Berg

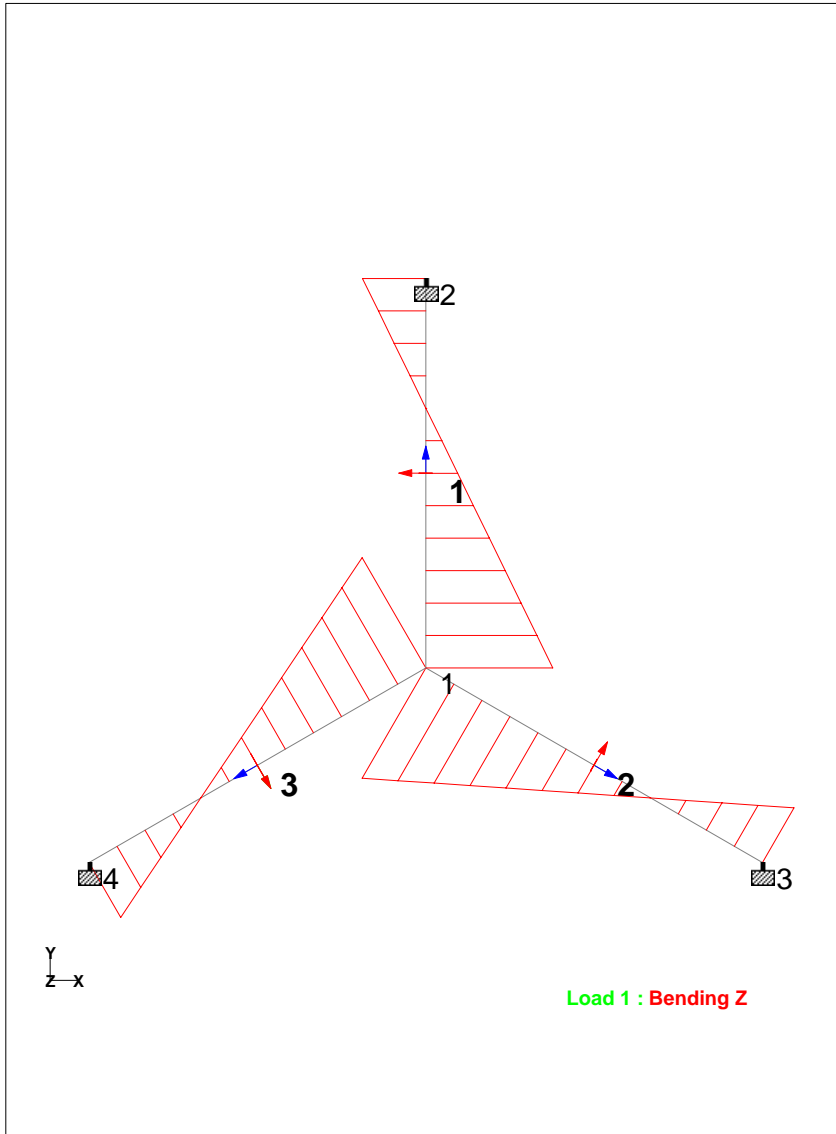
Date 10-Jan-06

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Whole Structure Mz 1N-m:1mm 1 LOAD CASE 1



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By Egil Berg

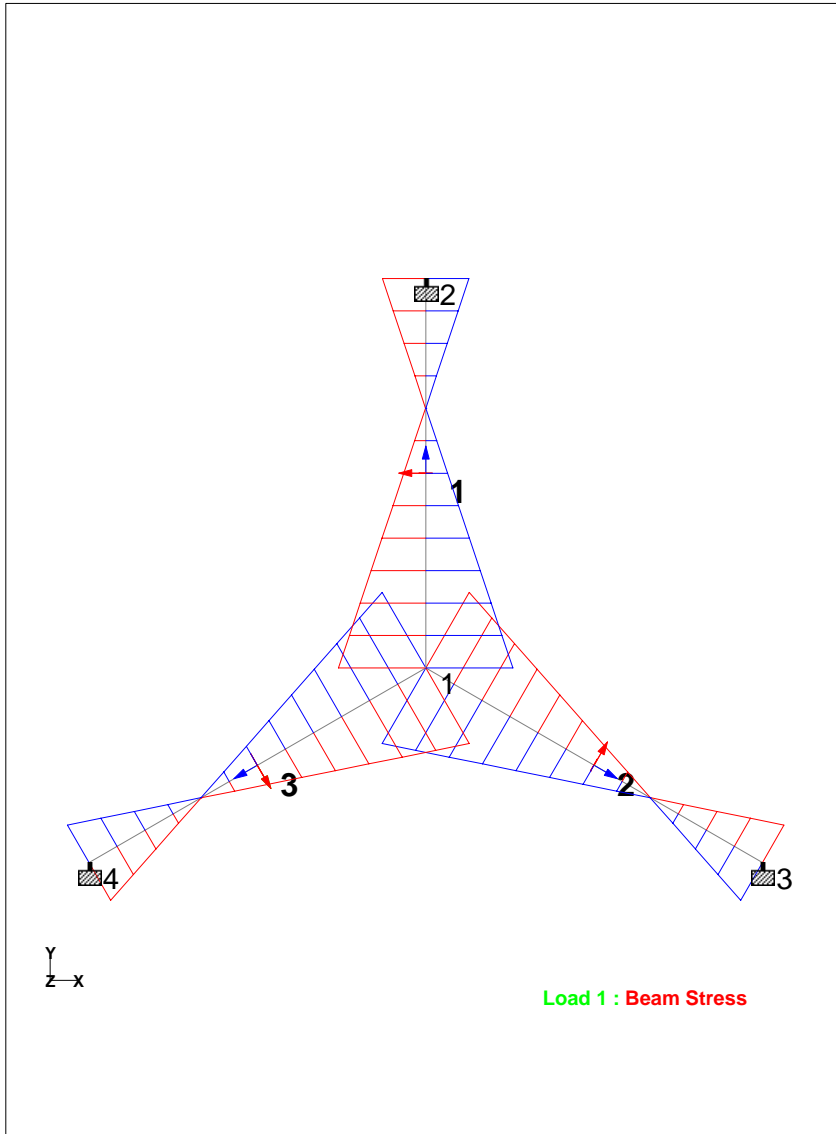
Date 10-Jan-06

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Whole Structure Beam Stress 7e+006mm:mm 1 LOAD CASE 1