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## **Job** Information

	Engineer	Checked	Approved
Name:	Bhavesh Bajaj		
Date:	30-Sep-25		

Comments:		
Structure Type:	SPACE FRAME	1

#### Geometry

Entity Type	Count	Highest
Nodes	4	4
Analytical Members	3	3

#### **Load Cases**

Load Case Type	Count
Primary	2
Combination	1

Included in this printout are data for:

All	The Whole Structure	1	

#### **Load Case Table**

Included in this printout are results for load cases:

L/C	Туре	Name
1	Primary	UDL
2	Primary	Pt Load
3	Combination	UDL + PL

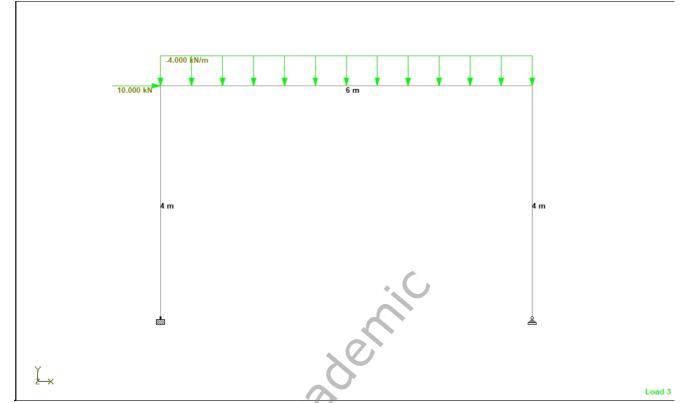
## **Sections**

Prop	Name	Area	Іуу	Izz	J	Material	Source
		(cm2)	(cm4)	(cm4)	(cm4)		
1	ISHB150	34.500	432.000	1,456.000	9.770	STEEL	Legacy

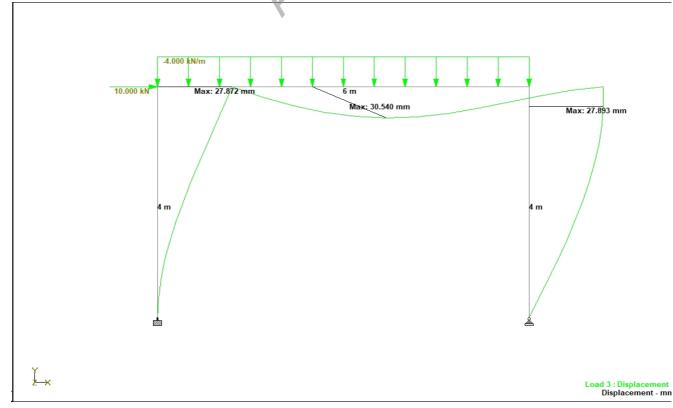
## **Materials**

Mat	Name	E	v	Density	а
		(kN/mm2)		(kg/m3)	(/°C)
1	STEEL	205.000	0.300	7,833.409	0.000

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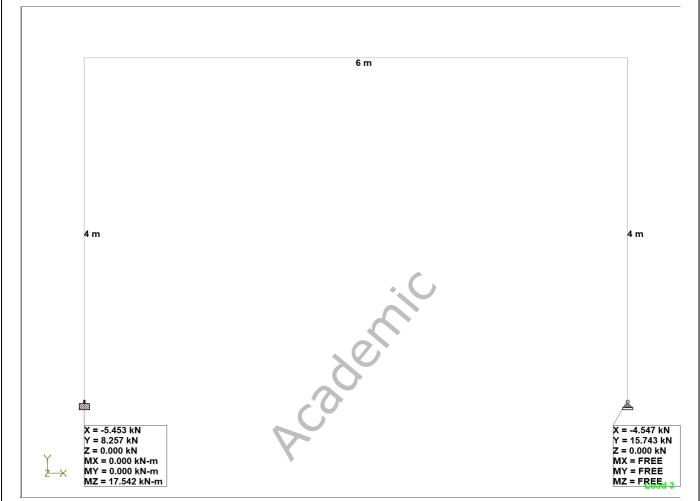


**Loading Condition** 



Deflection / Displacement profile

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Reactions at supports

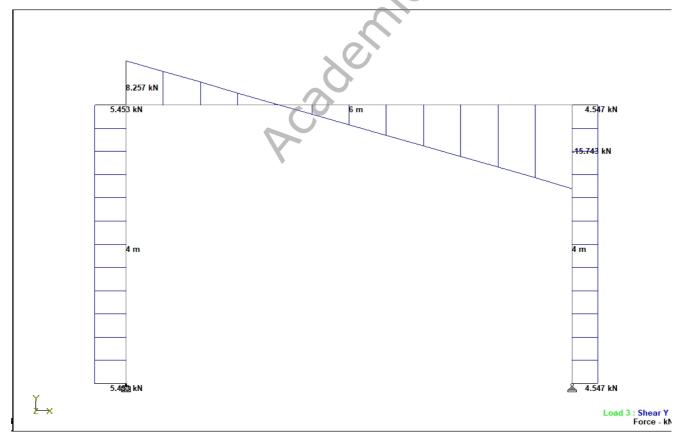
## **Beam End Forces**

			Axial	She	ear	Torsion	Ben	ding
Beam	Node	L/C	Fx	Fy	Fz	Mx	Му	Mz
			(kN)	(kN)	(kN)	(kN-m)	(kN-m)	(kN-m)
	1	1	11.712	-2.320	0.000	0.000	0.000	-1.730
	2	1	-11.712	2.320	0.000	0.000	0.000	-7.5 <del>4</del> 9
	1	2	-3.455	7.773	0.000	0.000	0.000	19.272
1	2	2	3.455	-7.773	0.000	0.000	0.000	11.818
	1	3	8.257	5.453	0.000	0.000	0.000	17.542
	2	3	-8.257	-5.453	0.000	0.000	0.000	4.269
	2	1	2.320	11.712	0.000	0.000	0.000	7.549
2	3	1	-2.320	12.288	0.000	0.000	0.000	-9.279
2	2	2	2.227	-3.455	0.000	0.000	0.000	-11.818
	3	2	-2.227	3.455	0.000	0.000	0.000	-8.910

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# **Beam End Forces Cont...**

			Axial	Shear		Torsion	Bending	
Beam	Node	L/C	Fx	Fy	Fz	Mx	Му	Mz
			(kN)	(kN)	(kN)	(kN-m)	(kN-m)	(kN-m)
2	2	3	4.547	8.257	0.000	0.000	0.000	-4.269
	3	3	-4.547	15.743	0.000	0.000	0.000	-18.189
3	3	1	12.288	2.320	0.000	0.000	0.000	9.279
	4	1	-12.288	-2.320	0.000	0.000	0.000	0.000
	3	2	3.455	2.227	0.000	0.000	0.000	8.910
	4	2	-3.455	-2.227	0.000	0.000	0.000	0.000
	3	3	15.743	4.547	0.000	0.000	0.000	18.189
	4	3	-15.743	-4.547	0.000	0.000	0.000	0.000



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