

The diagram shows a horizontal beam of total length $2L$. A hinge is located at the center, and a support is located at a distance L from the left end. The beam is divided into two segments of length L each. The left segment is labeled 'C' and the right segment is labeled 'B REF.'. The beam is subjected to a uniformly distributed load w acting downwards. The internal forces and moments are shown at the hinge and the support. At the hinge, the internal forces are $V = -wL$ and $M = -wL^2/2$. At the support, the internal forces are $V = wL$ and $M = wL^2/2$.

NOTES:

- DIMENSIONS IN PARENTHESIS ARE IN METRIC UNITS

PANDUIT CORP. TINLEY PARK, ILLINOIS

DWG
A
SIZE

4	6/5/06	FAB		ADDED PART WEIGHTS TO DRAWING	27184	4			
REV	DATE	BY	CHK	DESCRIPTION	ECN	-	R	CUST	SUP