

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 $M = 0$. At the support, the internal forces are $V = wL$ and $M = wL^2$.



NOTES:

- DIMENSIONS IN PARENTHESIS ARE IN METRIC UNITS

PANDUIT CORP. TINLEY PARK, ILLINOIS

UNLESS OTHERWISE SPECIFIED,
DIMENSIONAL TOLERANCES ARE:

(.X) ±	(.XXX) ± .035
(.XX) ±	ANGLES ±

SCALE NONE

DATE	12/30/98
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POLYETHYLENE HOOK/
NYLON LOOP

SS-27184

DWG
A
SIZE

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