


 A vertical line with a curved arrow pointing upwards, labeled "HOIST BEAM".

When hoist  
~~the~~ in between  
two vertical  
posts.

## Detail A

Beams transverse  
to deck beams at or  
close to hanger-  
deck beam connection  
location

grating.

W section.

~~1m~~  
approx.

### Detail A

Twist

- W section - Has major & Minor axis stiffness but cannot prevent twist. It can twist due to lateral ~~thrust~~ thrust thus

\* Can't be relied upon  
~~for~~ as restraint for  
LTB

900 mm  
Deep hoist  
Beam.  
(no stiffeners)

as that twist can allow compression flange to move laterally for scenarios when hoist is between two posts.

long  
thrust

lateral  
thrust

60 Ton  
hoist.

• Add brace so

$U=0$   
 $\phi=0$   
meets Trahair Support  
Condition.

SECTION A-A.

Grating

Condition.