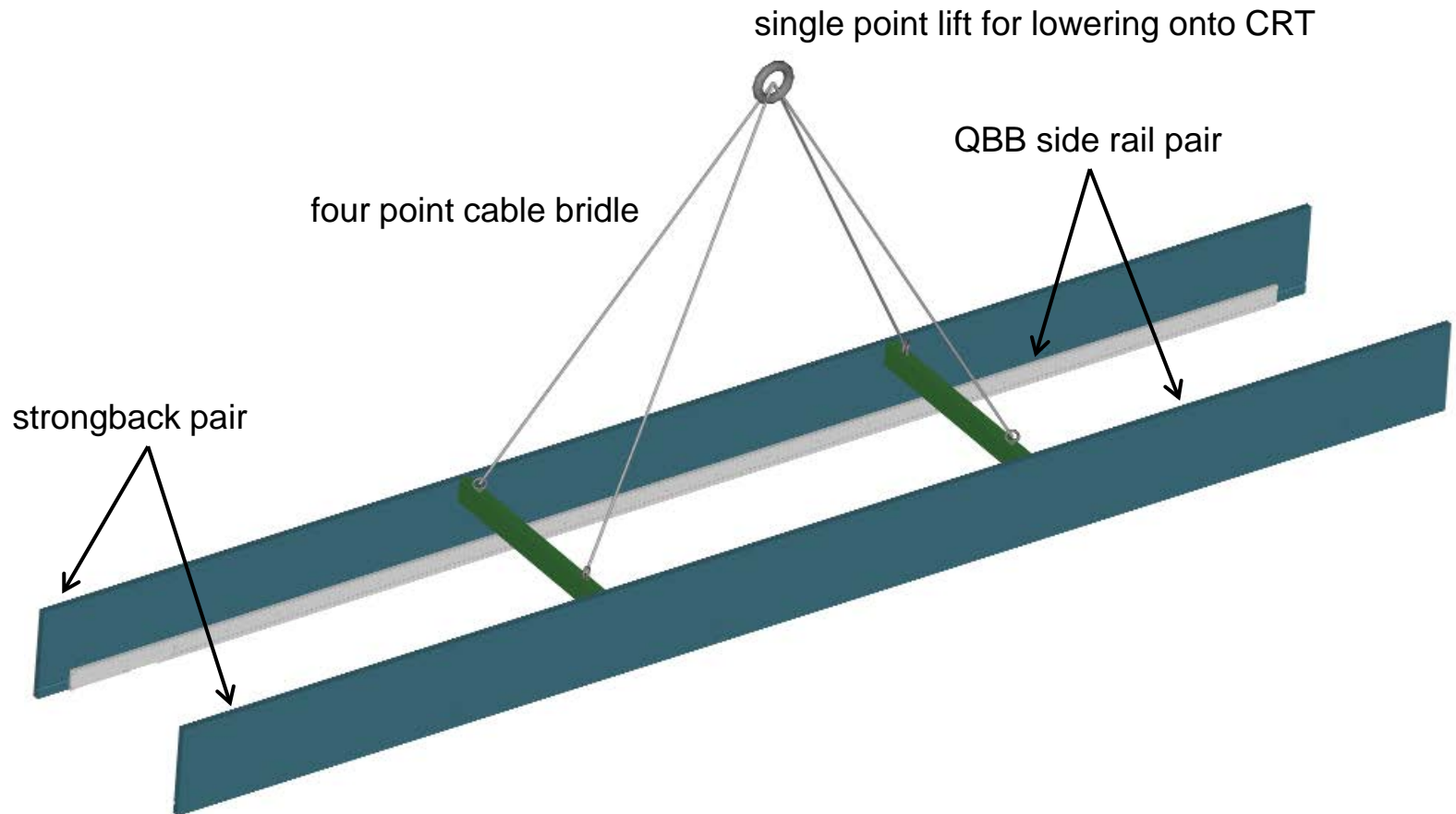
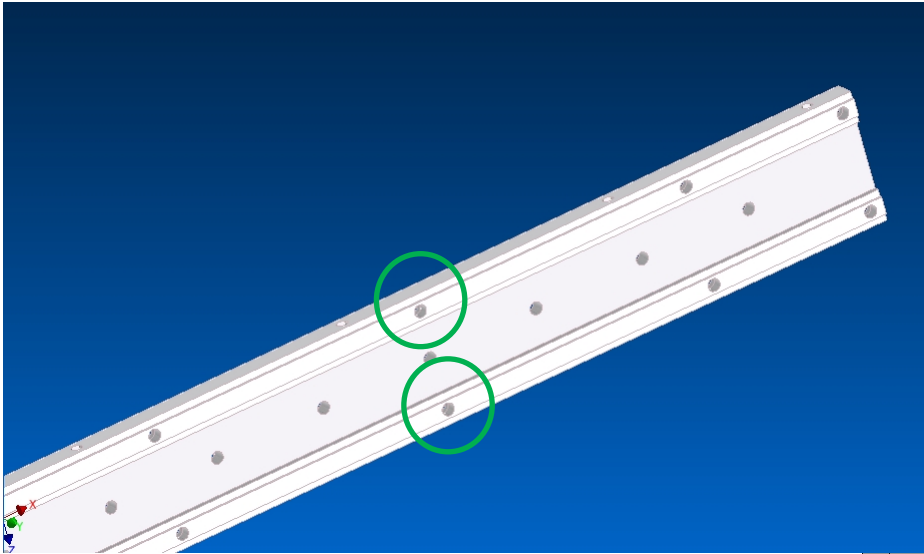


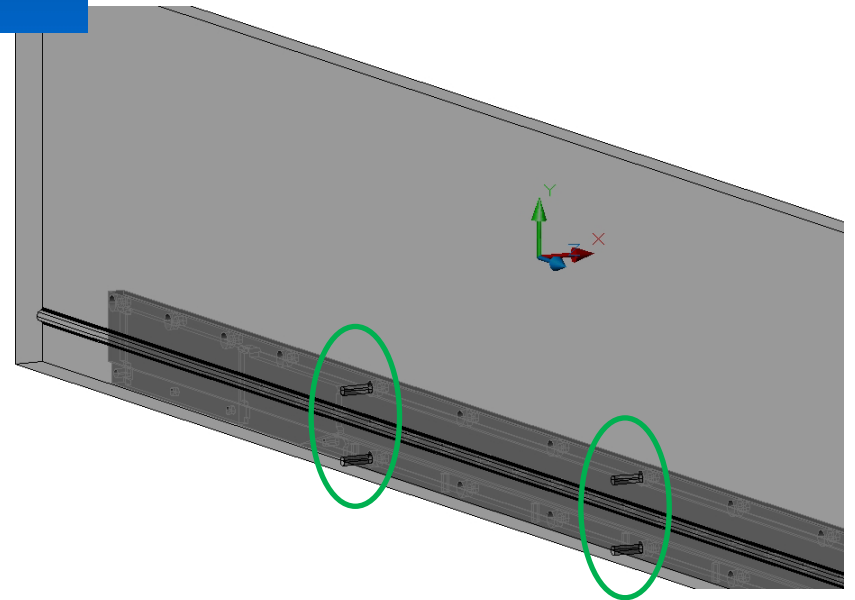
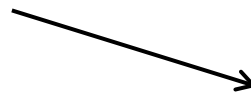
This strongback design addresses the concerns sent by Suzuki-san on Oct 15th 2012. The overall size remains the same at: 15 x 200 x 3000mm³.



This strongback design attaches to nine pairs of side-rail edge holes, which are outside of the quartz volume.

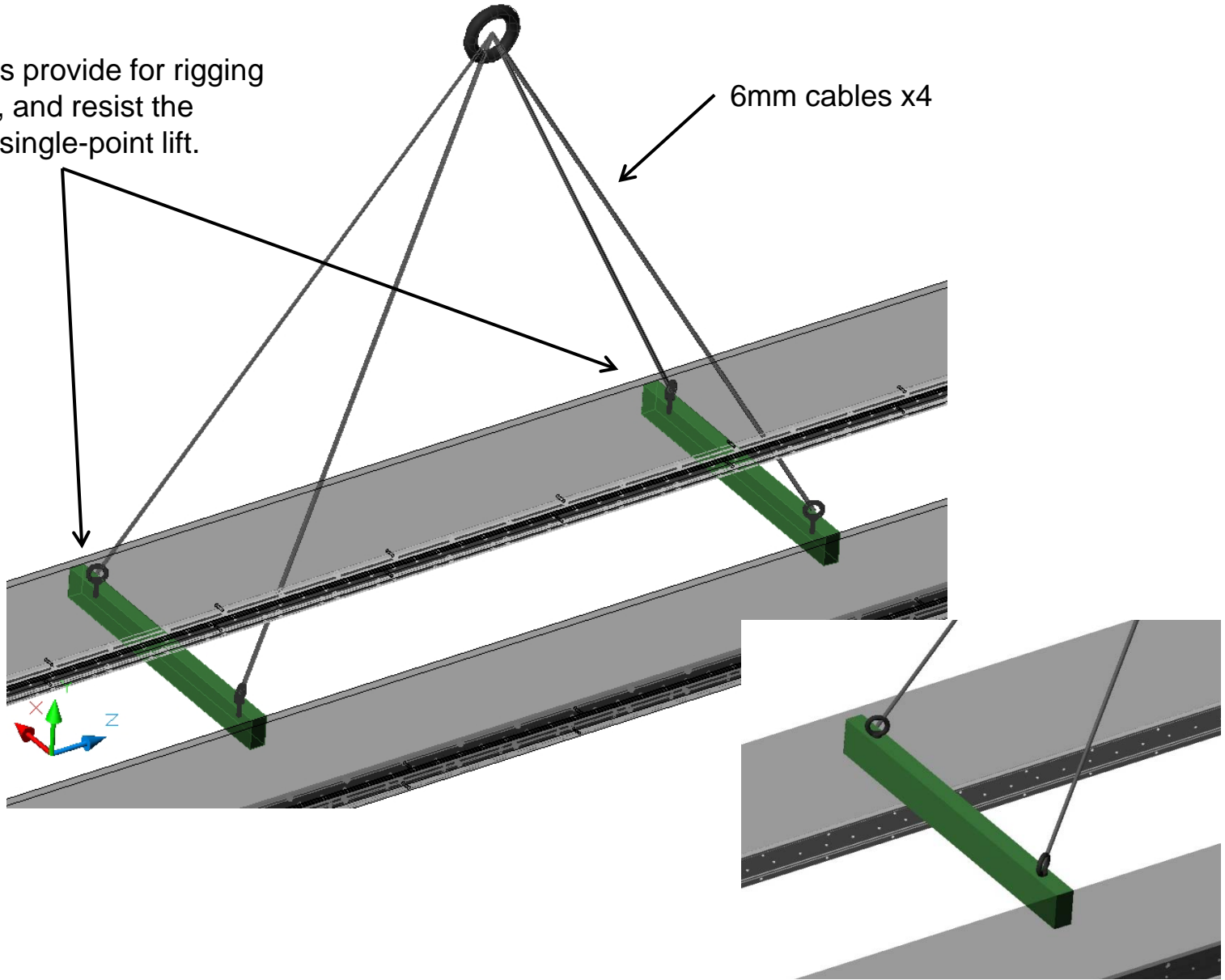


Groove for heads of PEEK ball end screws.



Rigging considerations

Internal bars provide for rigging attachment, and resist the torque of a single-point lift.



A force of 500N is applied to nine pairs of M4 holes @ 55.6N per pair.

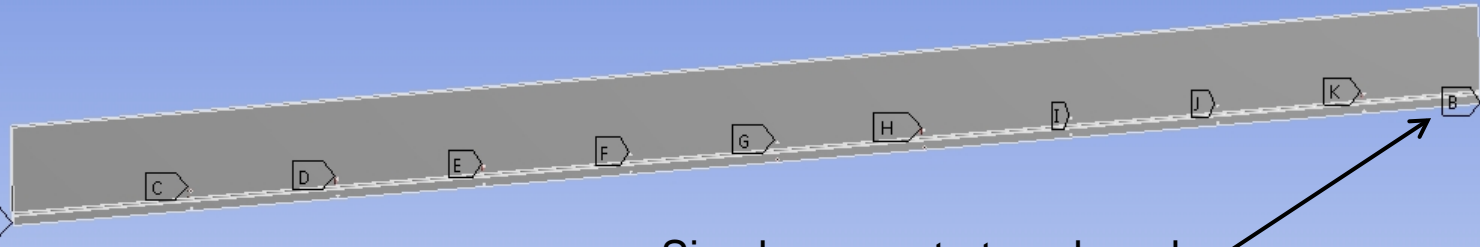
A: Static Structural (ANSYS)

Static Structural
Time: 1. s
Items: 10 of 11 indicated
10/22/2012 11:00 AM

Boundary conditions



- A Fixed Support
- B Fixed Support 2
- C Force: 55.6 N
- D Force 2: 55.6 N
- E Force 3: 55.6 N
- F Force 4: 55.6 N
- G Force 5: 55.6 N
- H Force 6: 55.6 N
- I Force 7: 55.6 N
- J Force 8: 55.6 N



Simple support at each end.

A: Static Structural (ANSYS)

Total Deformation
Type: Total Deformation
Unit: mm
Time: 1
10/22/2012 10:58 AM

FEA model



138um of max deflection with no support from the QBB

