Mechanical Interface Scenarios

The potential situations are as follows:

1. The EOS laser is ready first
    a. EOS requires 3 breadboards
        - ANU laser will be mounted on central breadboard (with BTO)
        - ANU laser will be installed on site when ready (is this possible?)
        - Structure supports 3 breadboards
        - EOS assembled on supporting structure in lab
    b. EOS requires 2 breadboards
        - Assuming insufficient space for ANU laser, use 3 breadboards – ANU laser will be mounted on the top breadboard. Structure supports 3 breadboards
        - Assuming sufficient space for ANU laser, use 2 breadboards – ANU laser will be mounted on top breadboard (with BTO). Structure supports 2 breadboards
        - ANU laser will be installed on site when ready
        - EOS assembled on supporting structure in lab
2. The ANU laser is ready first
    - ANU laser will be temporarily mounted on telescope – on unused breadboard (see if this is possible, another breadboard for ANU laser will be required)
    - Temporary structure to support LH and BTO
    - ANU laser, breadboard and structure will be removed when the EOS nears completion
    - ANU laser to be installed, as described in 1.

Conceptual designs required

- Structure supporting 3 breadboards (EOS & ANU)
- Structure supporting 2 breadboards (EOS & ANU)
- Temporary structure supporting ANU laser