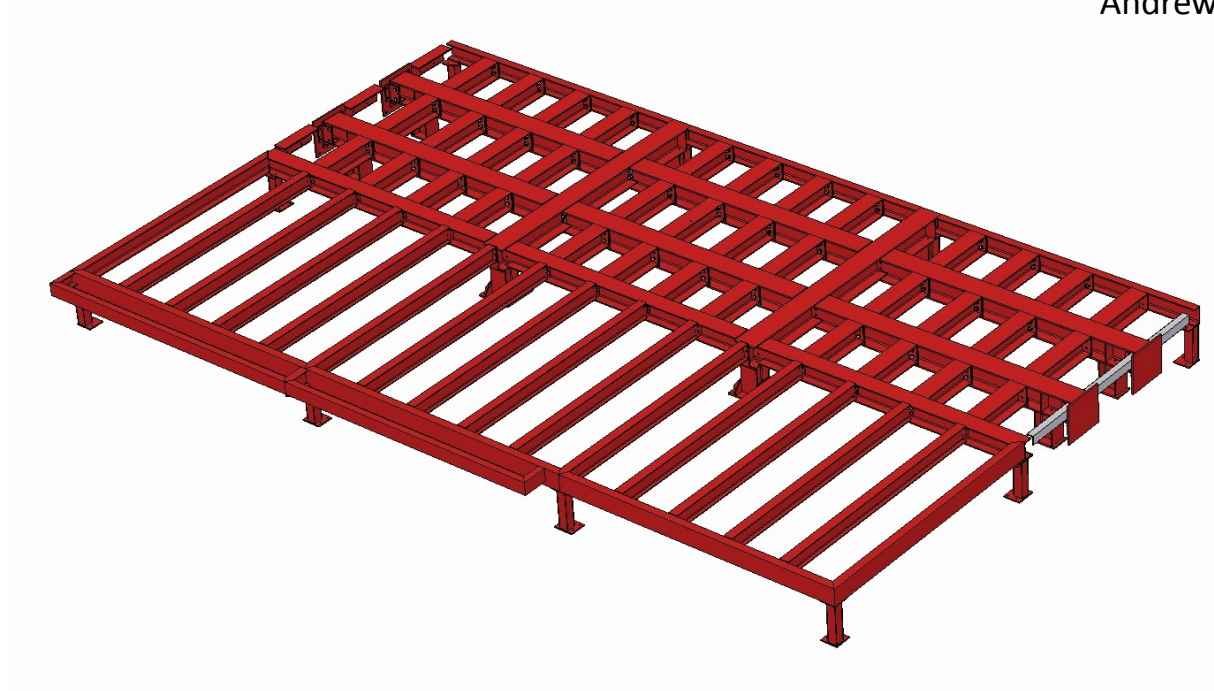




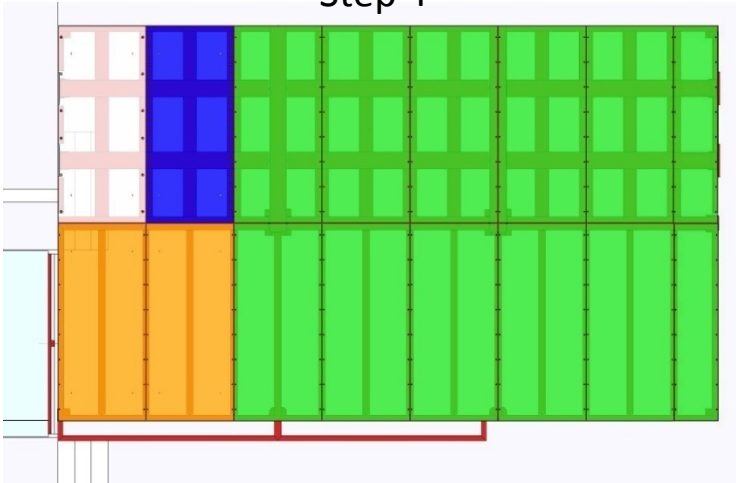
# Cooling Channel Floor Interfaces

Andrew Lintern

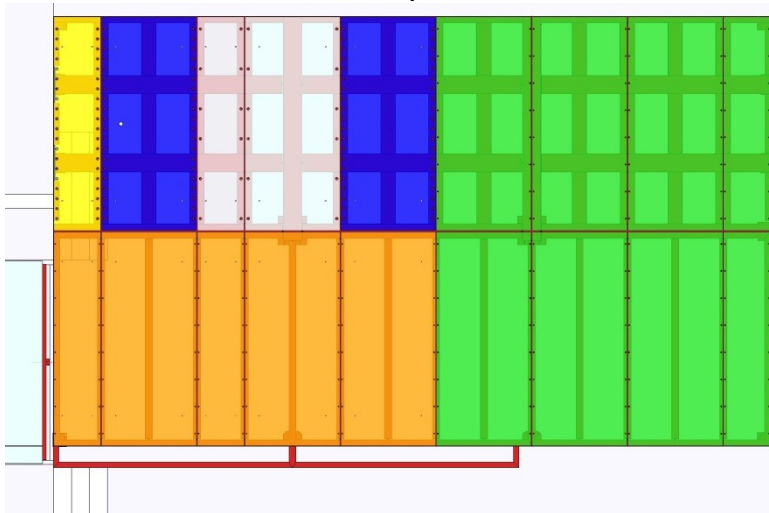


# Intermediate floor plate configurations

Step 4



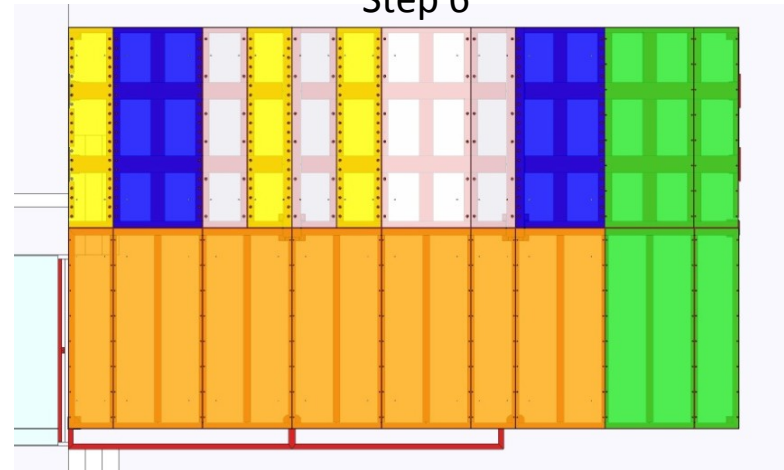
Step 5



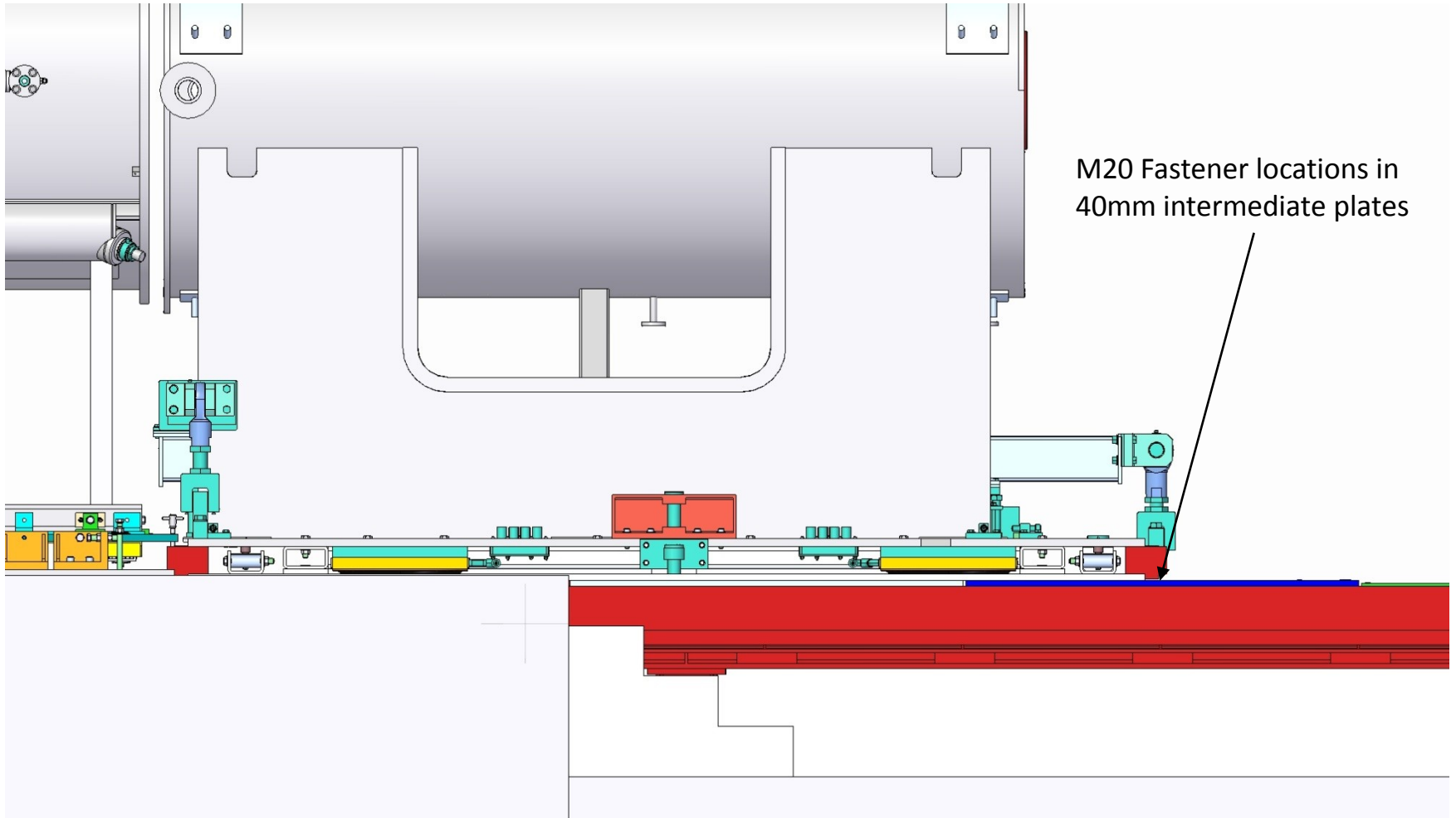
- 10mm Durbar plates
- 40mm Double width mounting plates
- 40mm Single width mounting plates
- 40mm Fill in plates
- 20mm Offline floor plates

(All plates now Al Alloy)

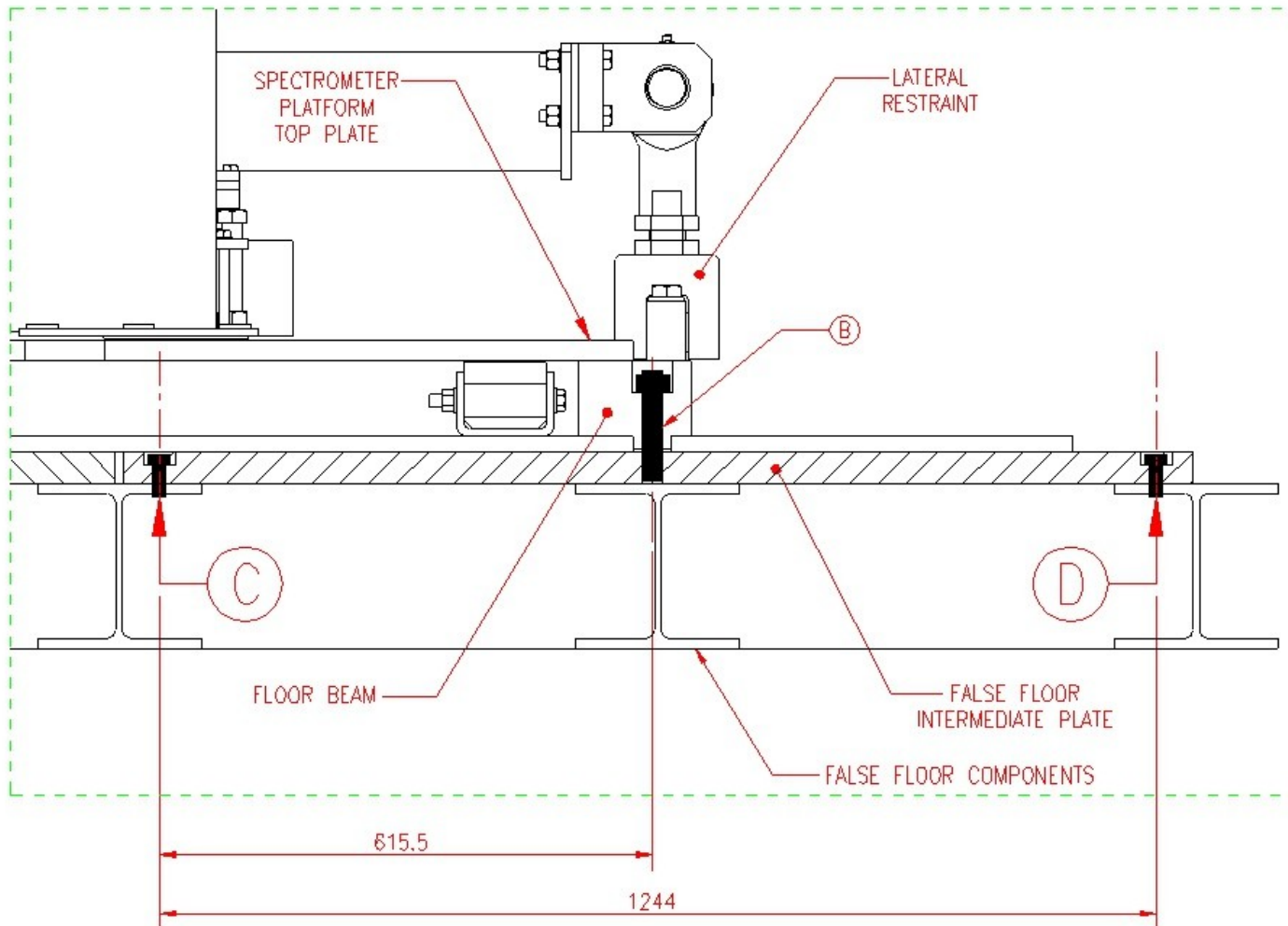
Step 6



## Step 4 – Floor fastener positions



## Floor beam fastening scheme

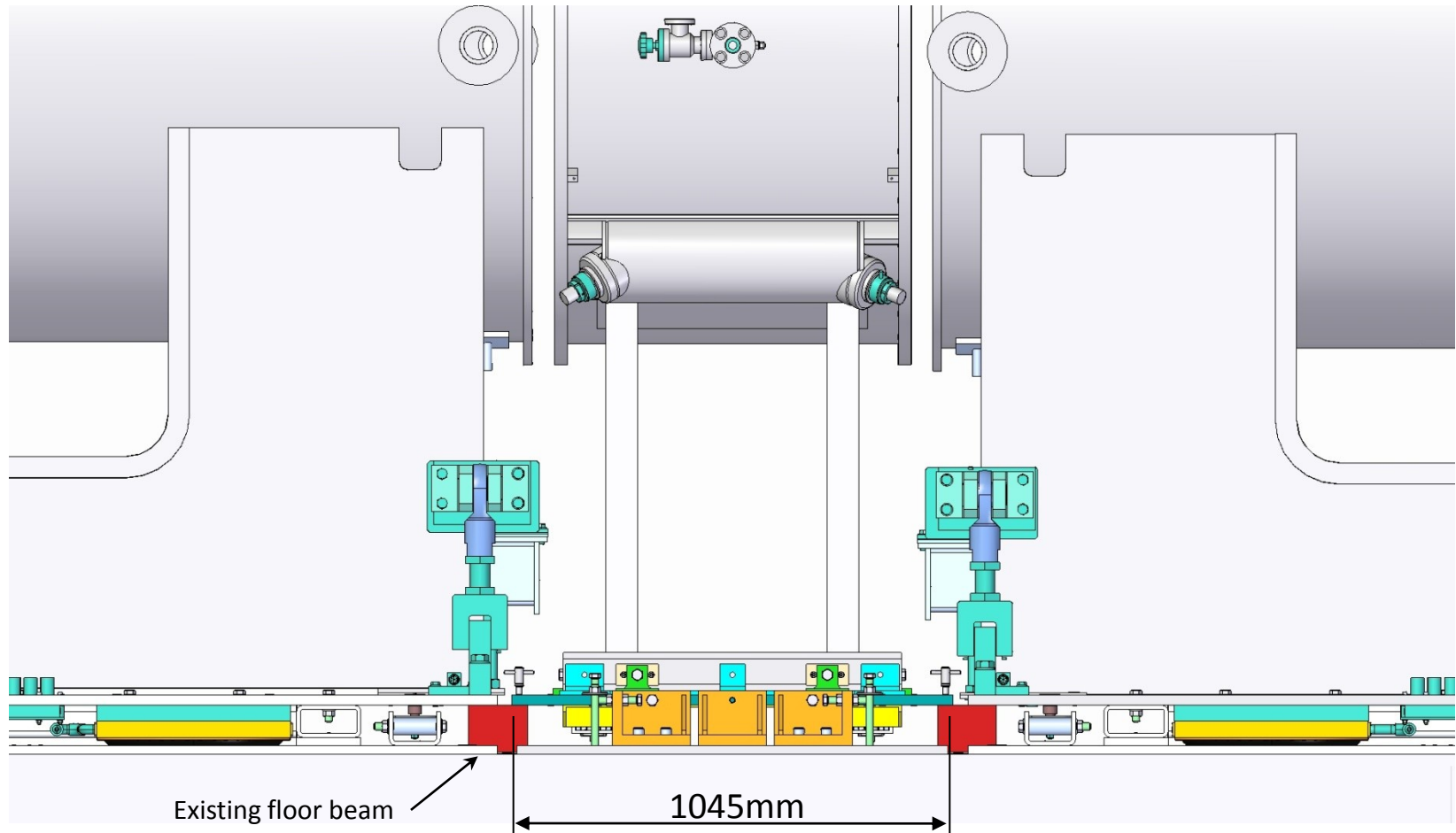


Lateral restraint beam is attached to the floor beam which itself is fastened to the intermediate floor plate via 13 M20 bolts (B). The intermediate plate is held to the I-beams of the false floor via 20 M16 bolts (C & D).

*(Detail taken from Peter Ford's reaction loads calculation document)*



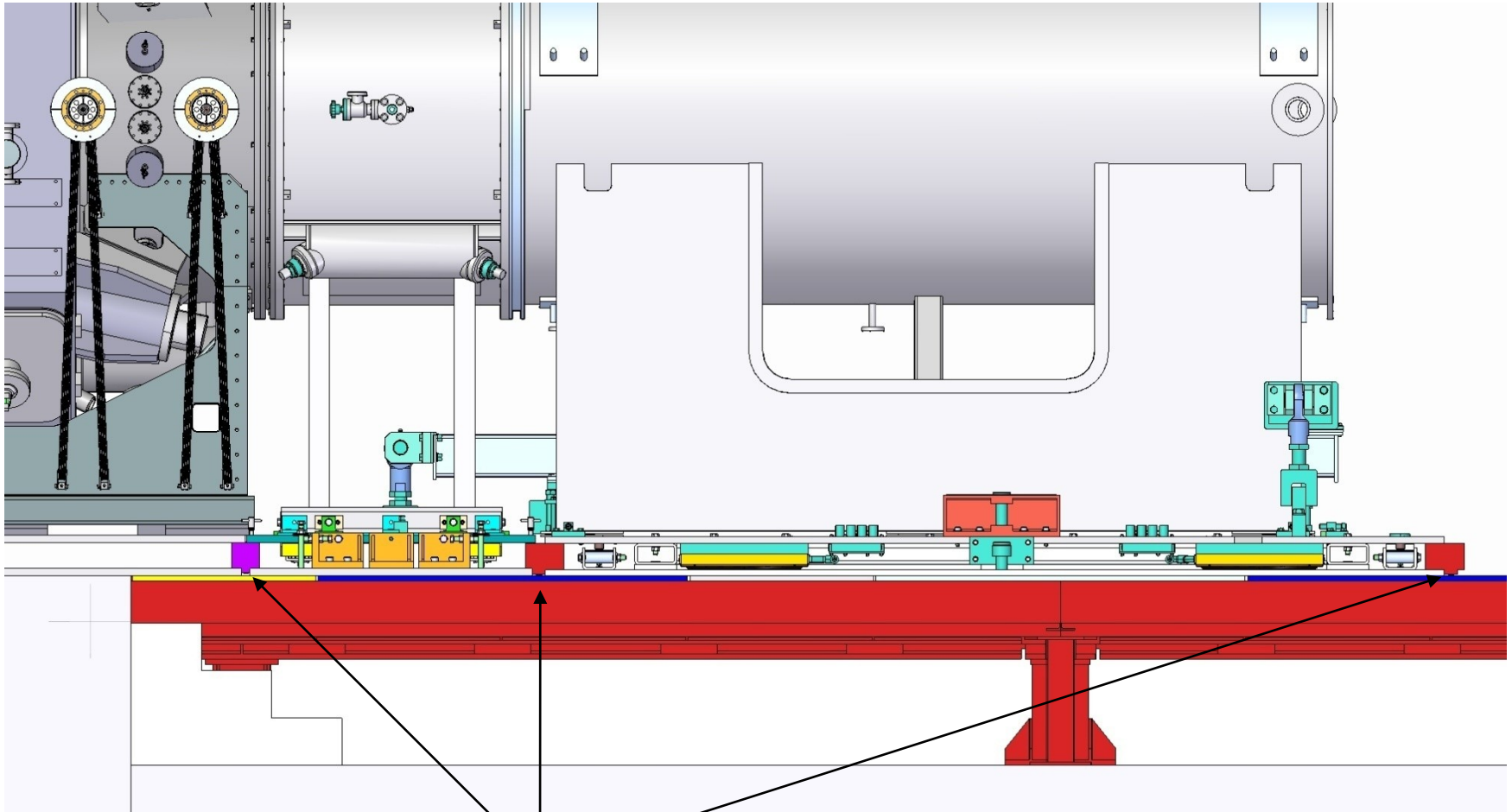
## Step 4 – AFC moving platform location



AFC moving platform permanently installed on the concrete floor. Separation of solenoids at step 4 dictates width of AFC base plate.



## Step 5 – Floor fastener positions

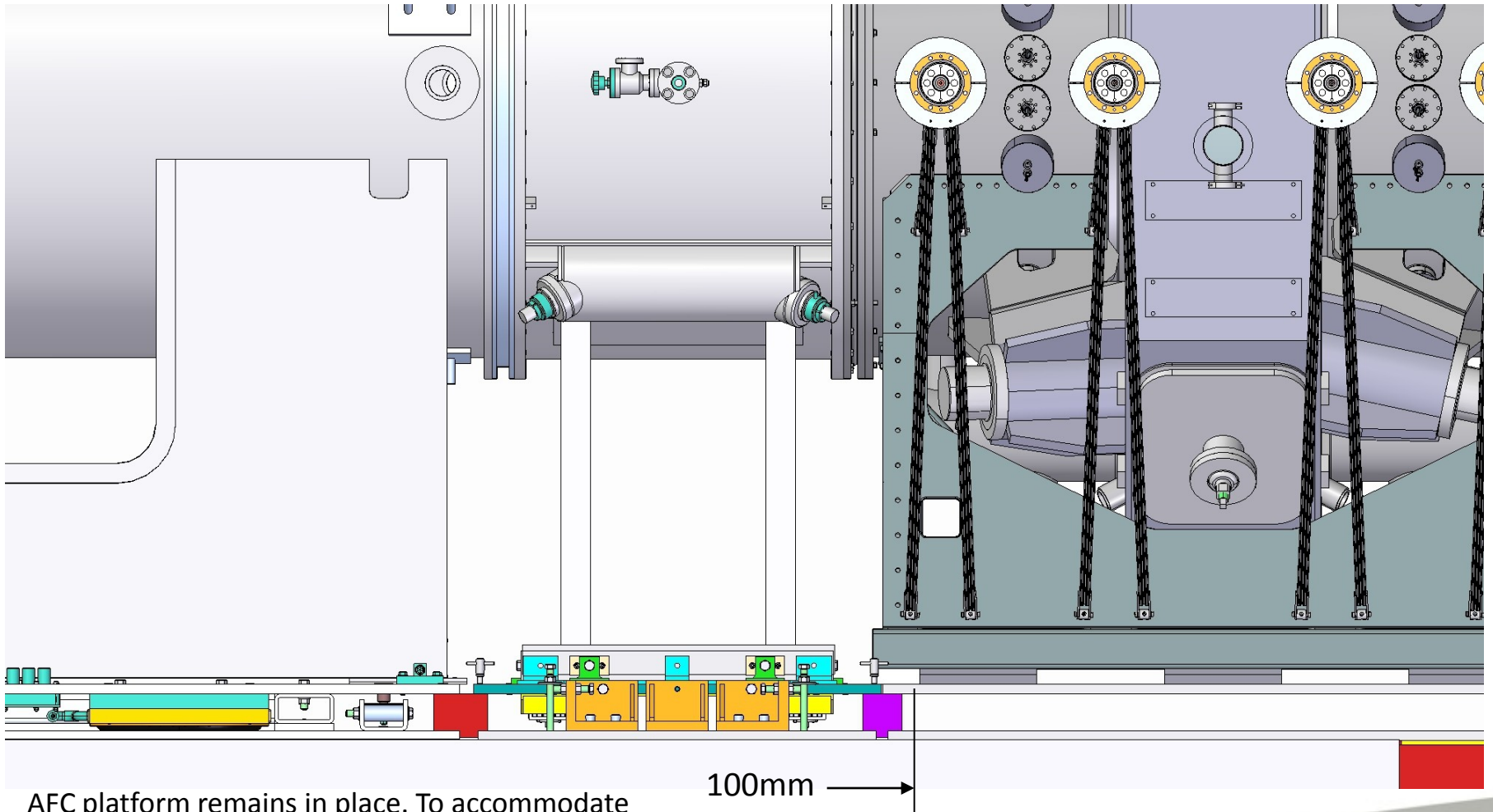


M20 Fastener locations in  
40mm intermediate plates





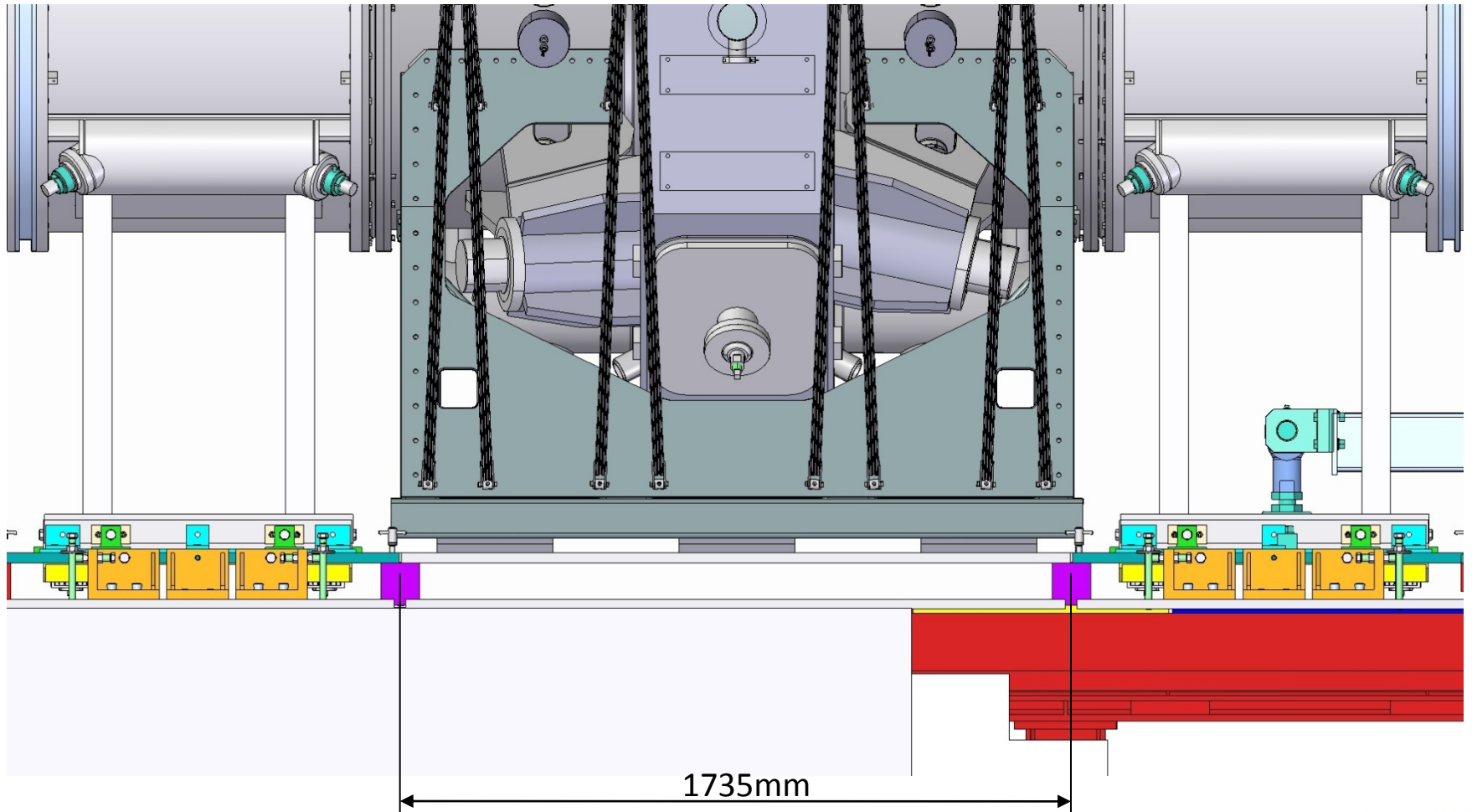
## Step 5 – AFC moving platform location



AFC platform remains in place. To accommodate standard width of base plate, RFCC outer pads need to move 100mm inboard of their current position.



## Step 5 – RFCC Base plate

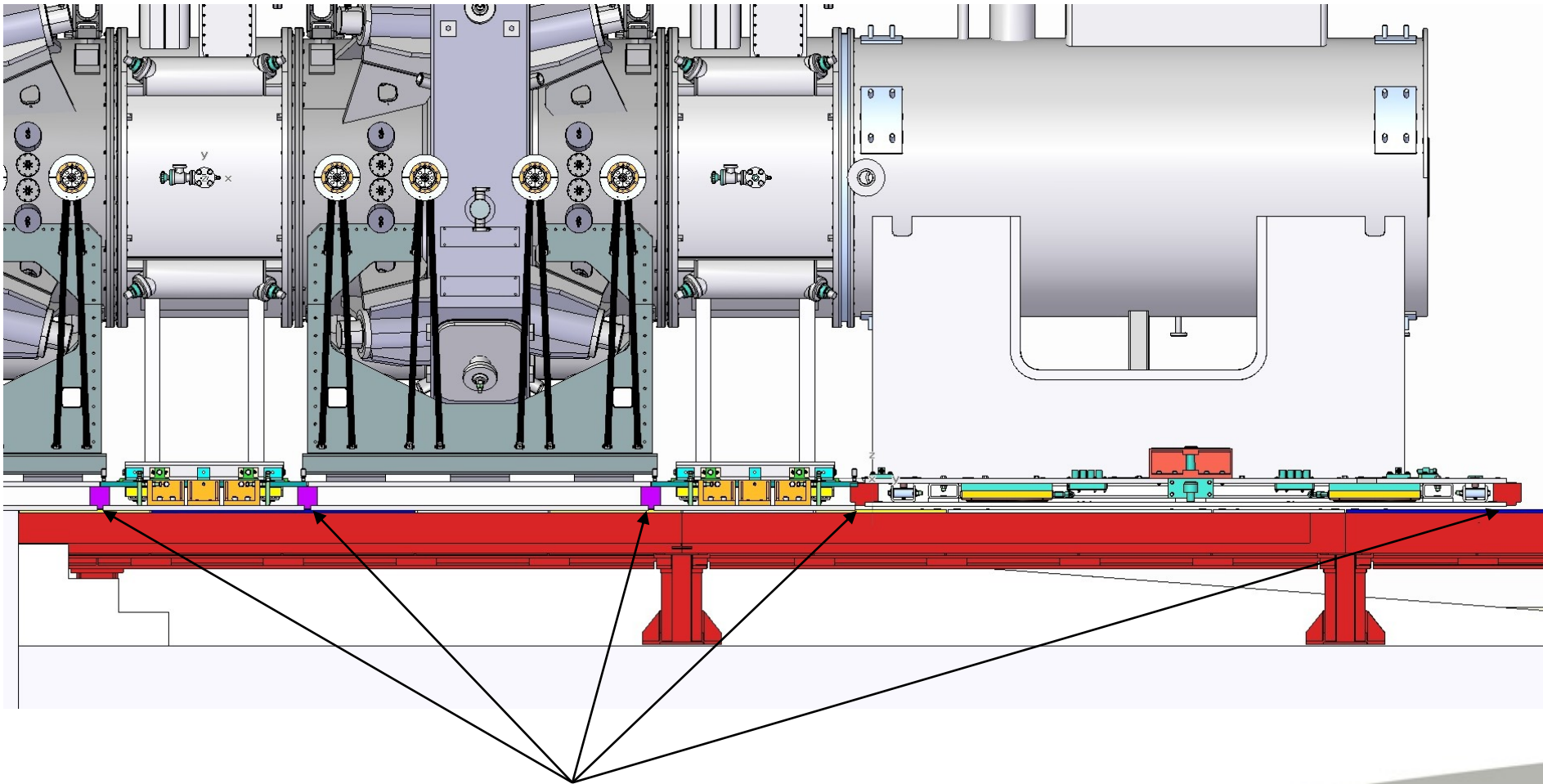


RFCC base plate comes to 1735mm to match spacing with AFC modules (plus clearances).



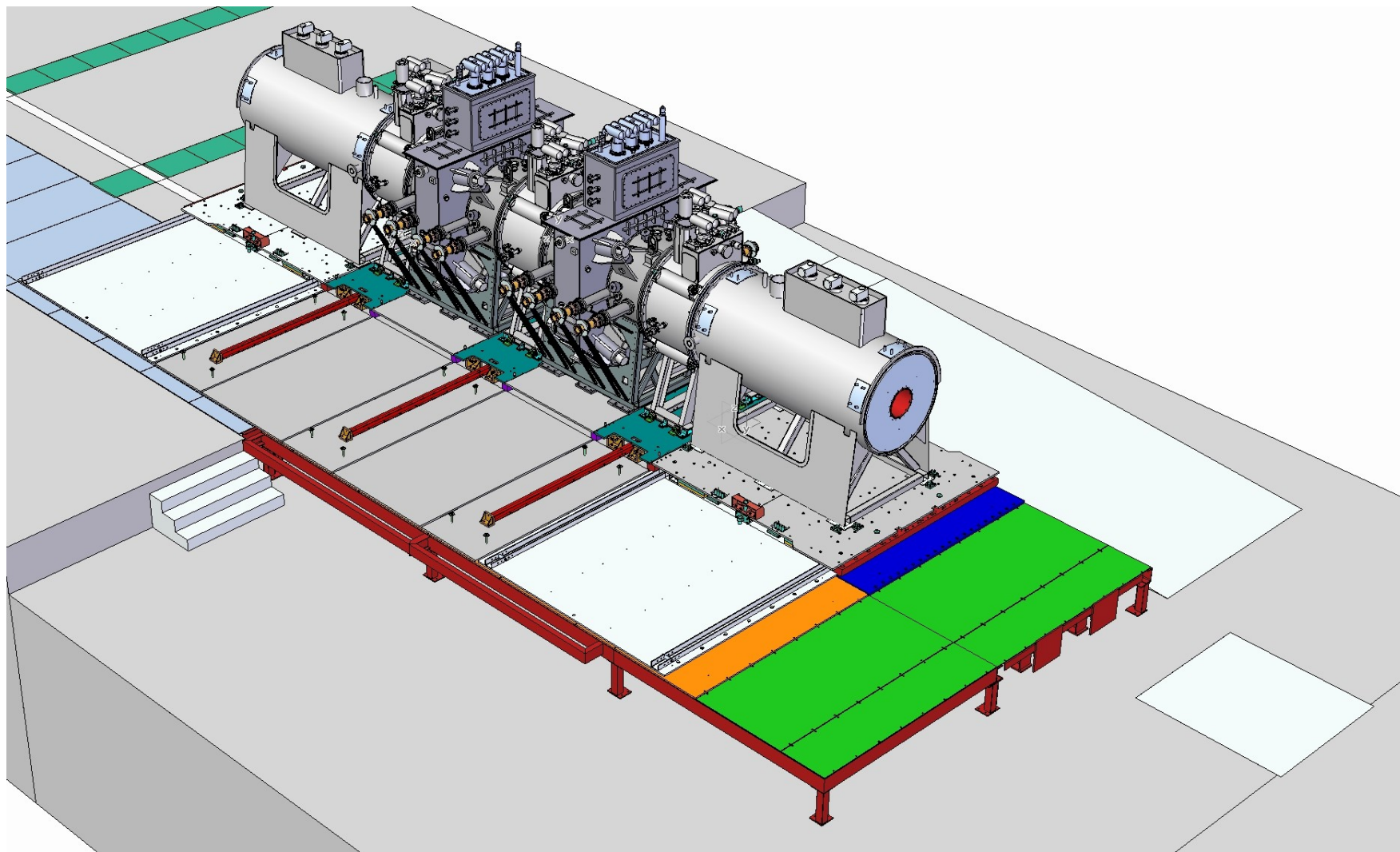


## Step 6 – Floor fastener positions



M20 Fastener locations in  
40mm intermediate plates





Simplified general view of step 6 modules in latest positions. Moving platform base plates and floor beams for AFC and RFCC are standardised in all steps.

