

**NEMS & SEMS**  
tether points  
and mirror inspection plan

# Safety

- Understand how to don the safety harness
- Maintain an attachment to the structure at all times (use dual tether lines)
- Be aware of your surroundings
- Follow the prescribed routes for inspection
- Report any fall immediately!

# Donning the safety harness



Remove leg strap from zippered pocket



Put vest on and zipper up the front



Attach chest buckle together



Shown complete

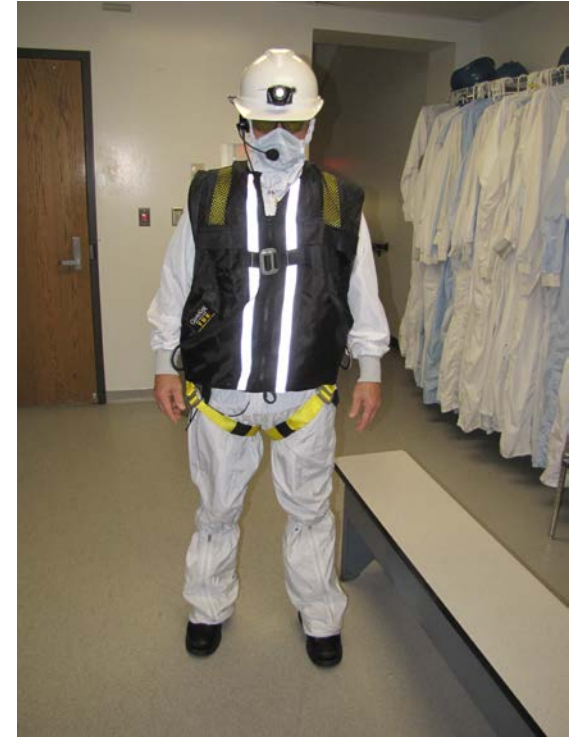
# Donning the safety harness



Reach behind and pull leg strap through crotch and attach buckle



Do the same for the other leg and tighten both straps until snug



Shown complete

# Attaching tether strap



Have a partner attach main tether strap at shackle in middle of back.

# Tethering to the structure



# Tethering to the structure

- Before (when able) or upon entering the structure, you must attach tether hook to tether point on structure
- Each tether has two hooks, this is to maintain at least one point of attachment to the structure
- This means before removing one tether hook, the other must be attached
- This rule must be adhered to at all times

# Be aware of your surroundings

- Walk carefully in and around structure being mindful of all obstacles present
- Be careful of harness and buckles around the optics during inspection
- Pay close attention to your location and obstacles when finishing an inspection as you can tend to lose track of where you are



# Follow prescribed inspection routes

- The following document lays out a prescribed route for inspection based on where the tether points were attached to the structure...use them
- If a change to the prescribed routes is necessary, please contact your supervisor and the suggested change will be discussed and implemented upon approval

# Report any fall immediately

- If a fall occurs, attend to personnel and report any injuries immediately as per LLE safety guidelines
- Record where and how the fall occurred and at which tether point the person was attached to
- Remove from service the vest and tether strap that were involved in the fall

# NEMS

## Inspection plan

Access point to NEMS from stairway  
(Railings will be gated for limited access)



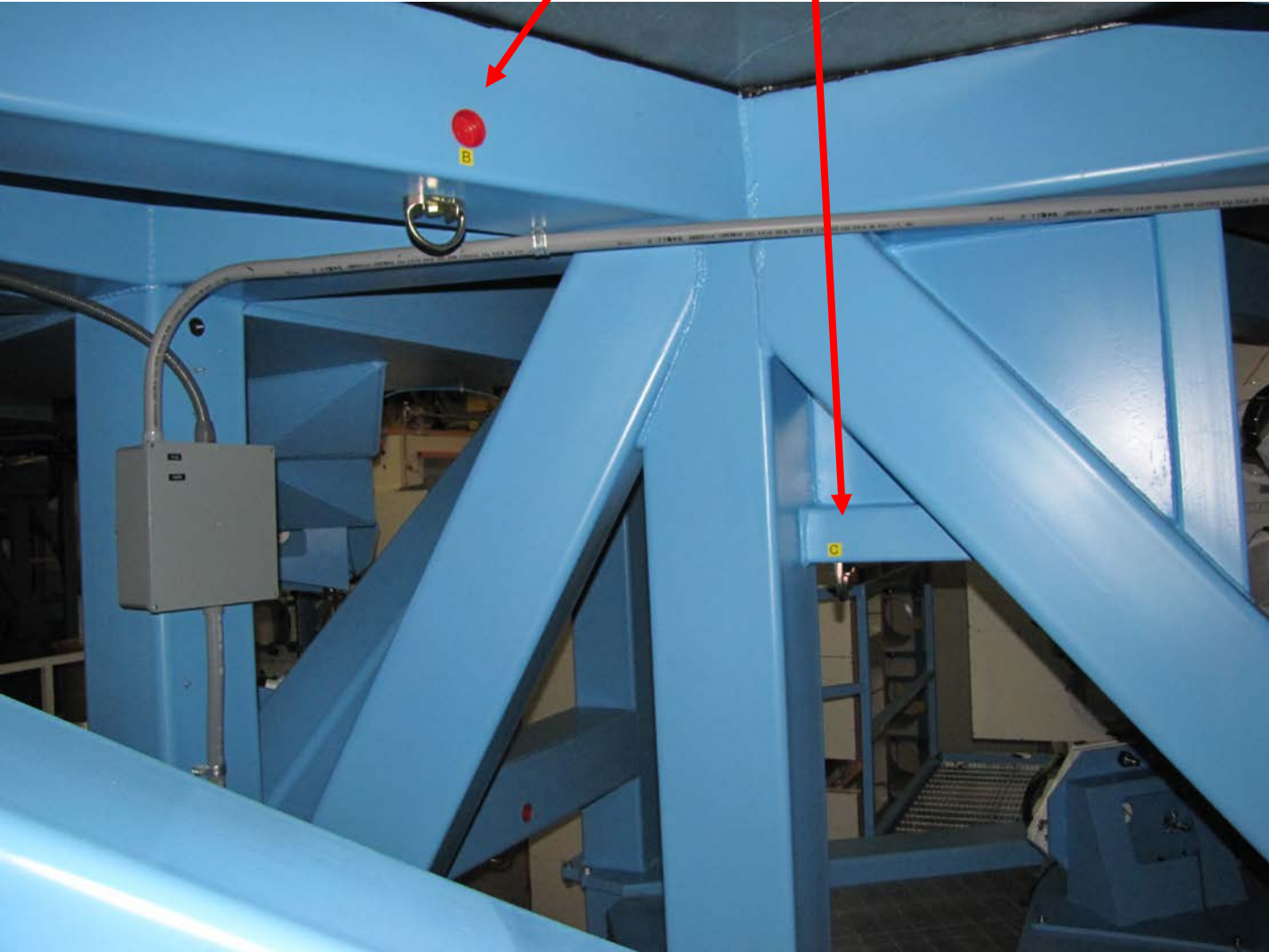
Tether point **A** upon entering NEMS from stairway



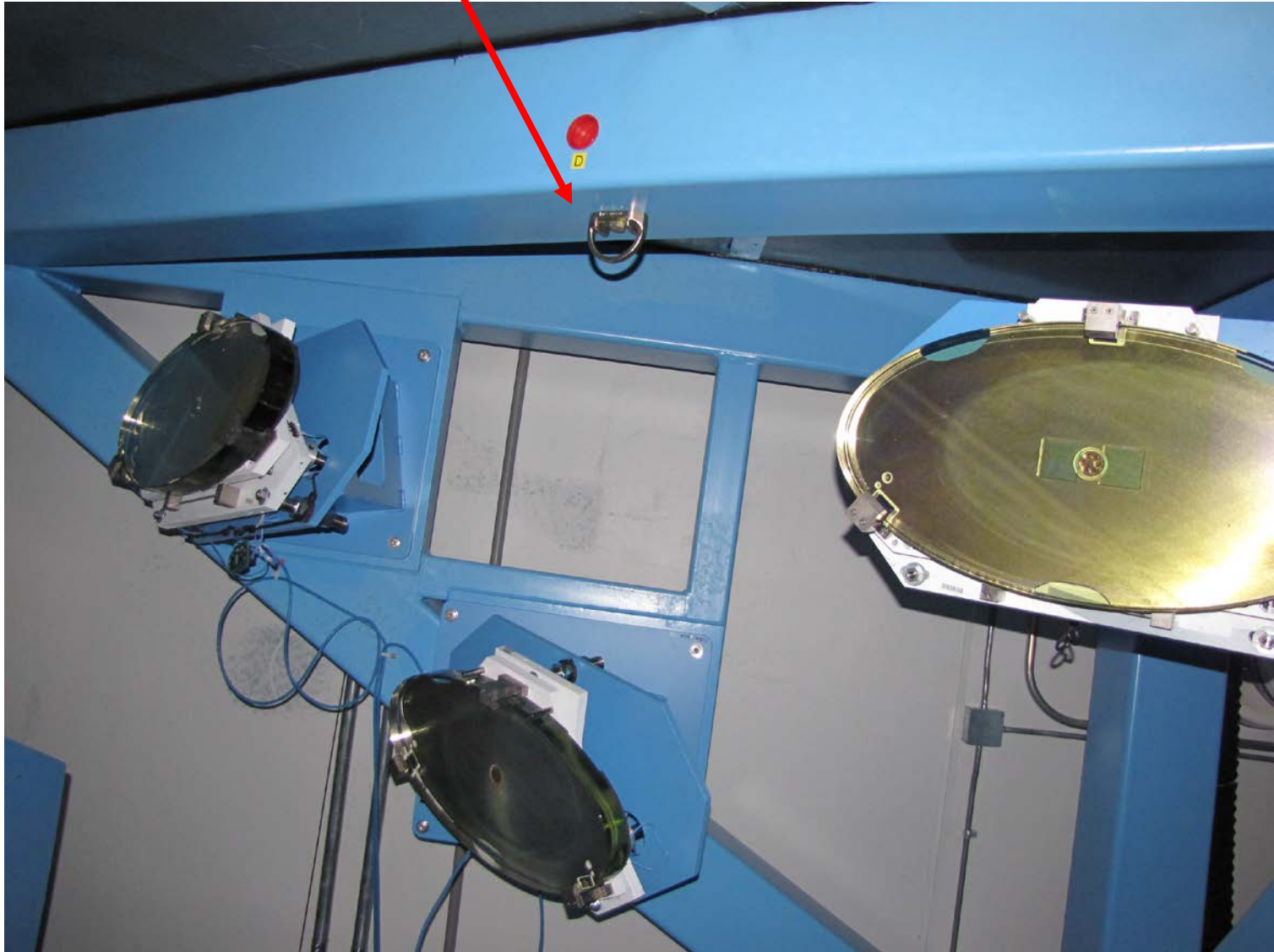
Tether points walking towards viewing gallery to inspect EM 11,12,13,16,17,18

B

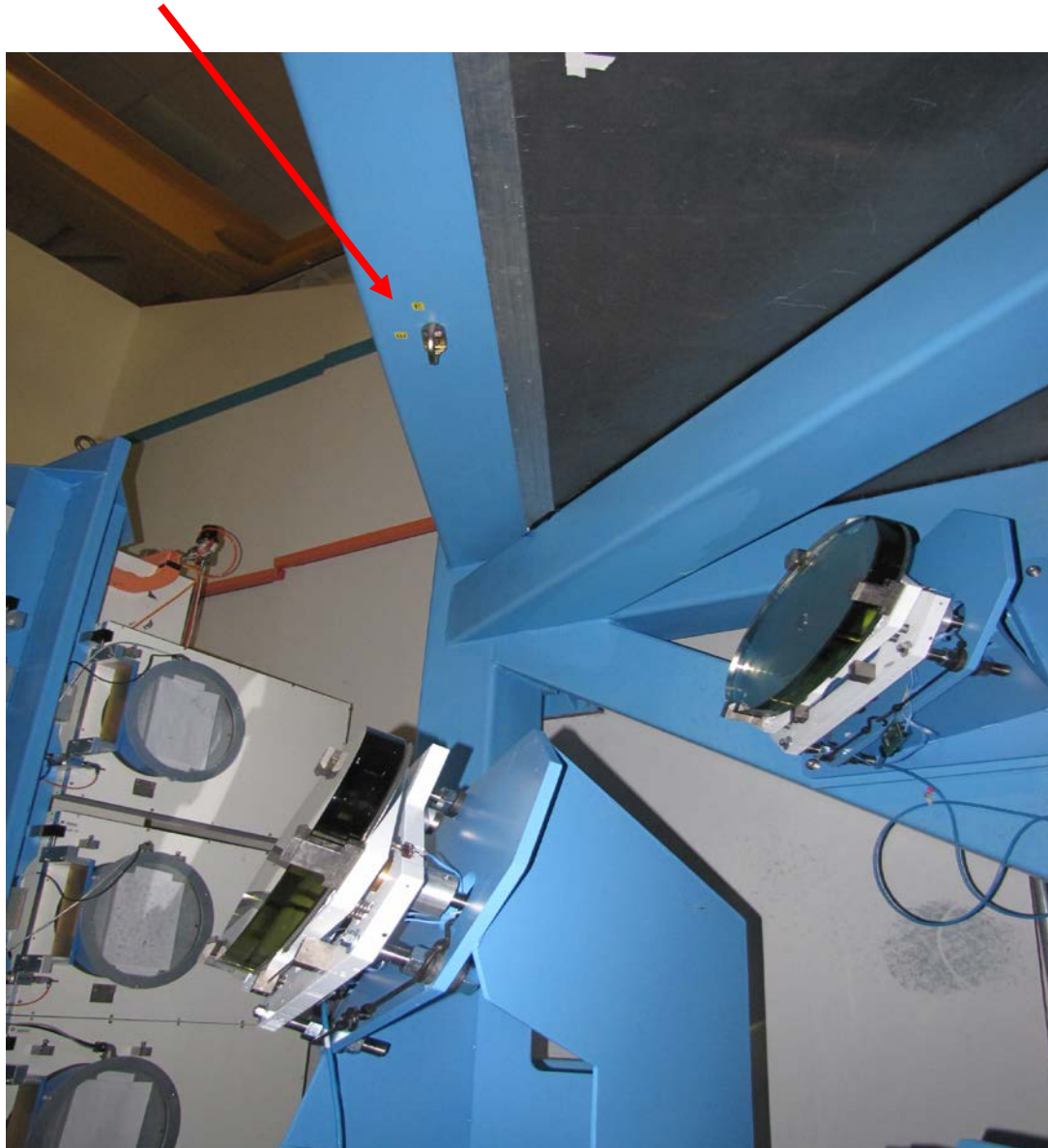
C



Tether point **D** for inspection of EM 12,16,18

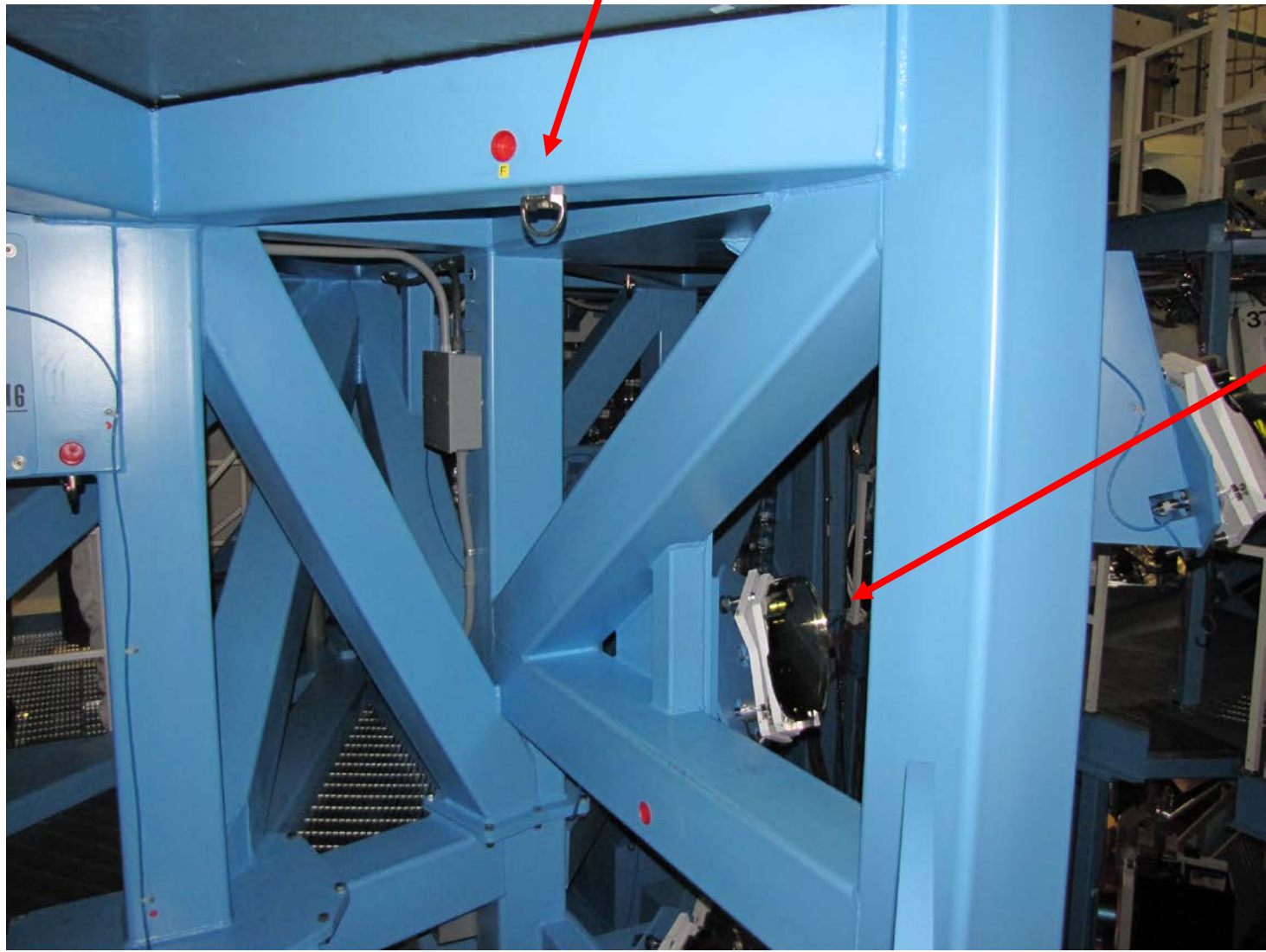


Tether point **E** for inspection of EM 11,13,17





Tether point **F** for inspection of 22

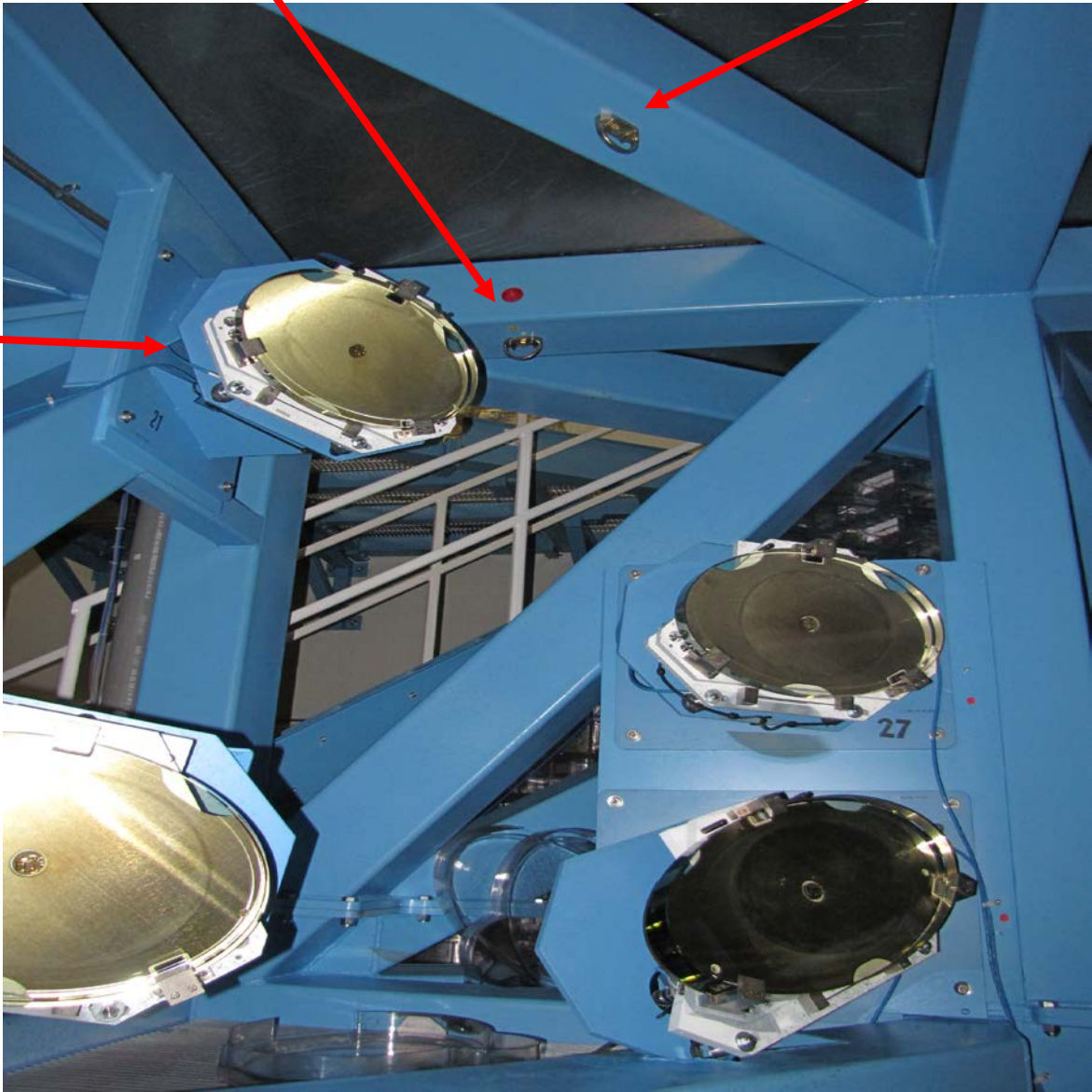


EM 22

Entry tether point **G**

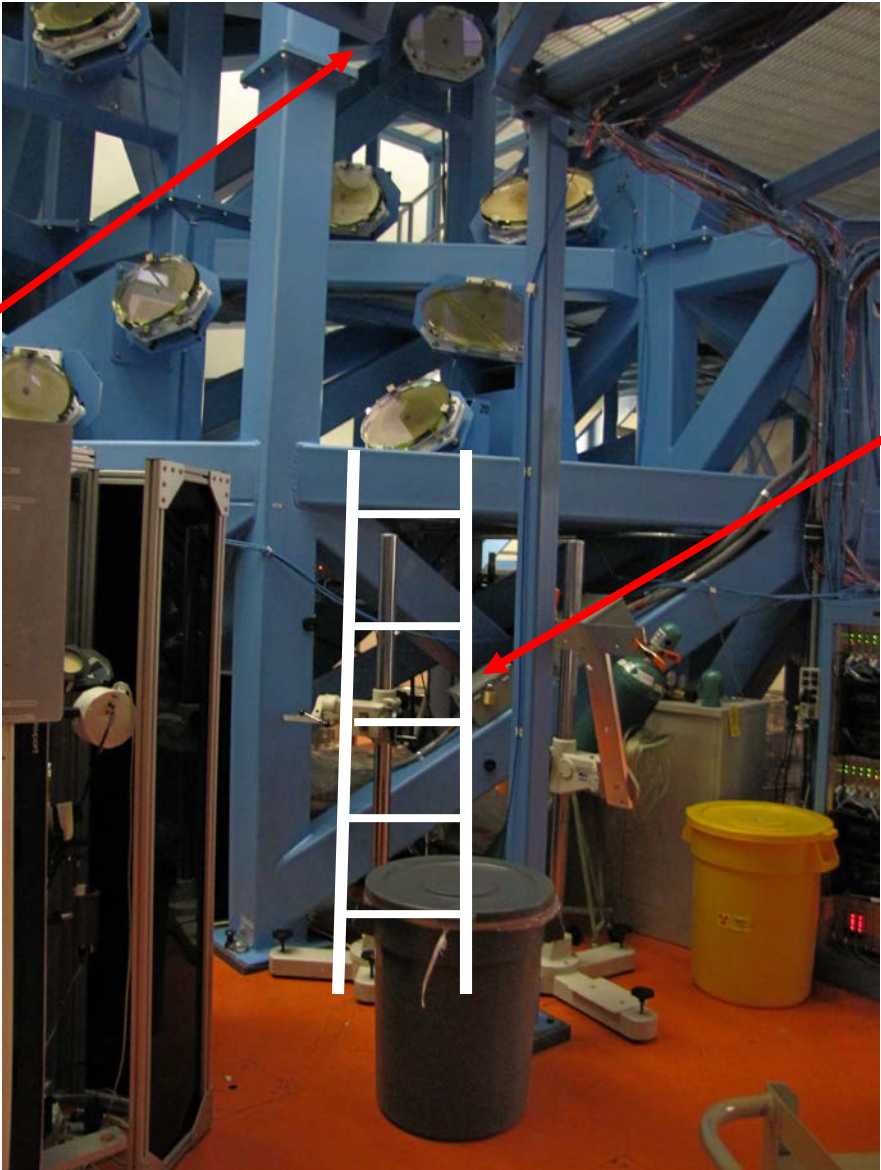
Inspection tether point **H** for 21 and 27

EM 21



Use temporary ladder for inspection of EM 20,23,24,28,29  
(permanent will eventually be put in place)

Permanent tether  
line

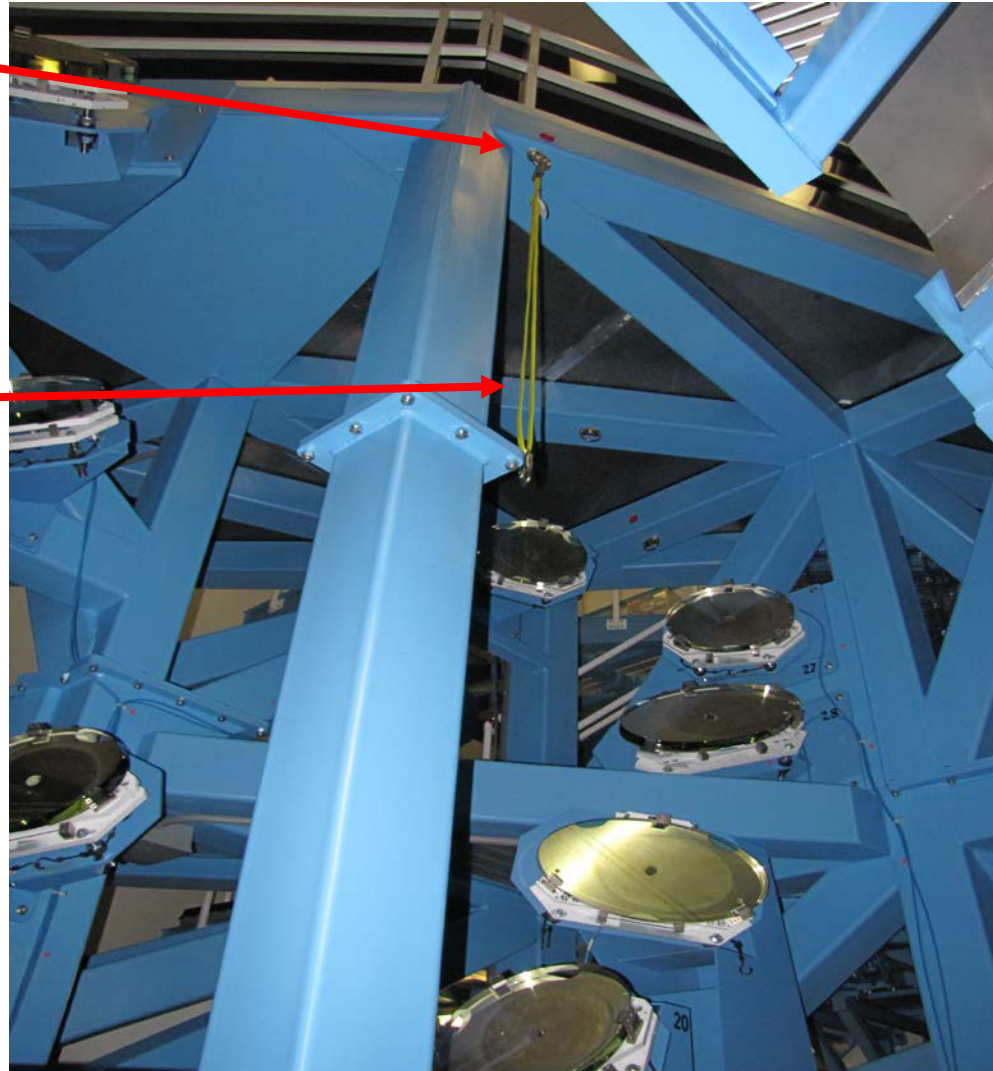


ladder

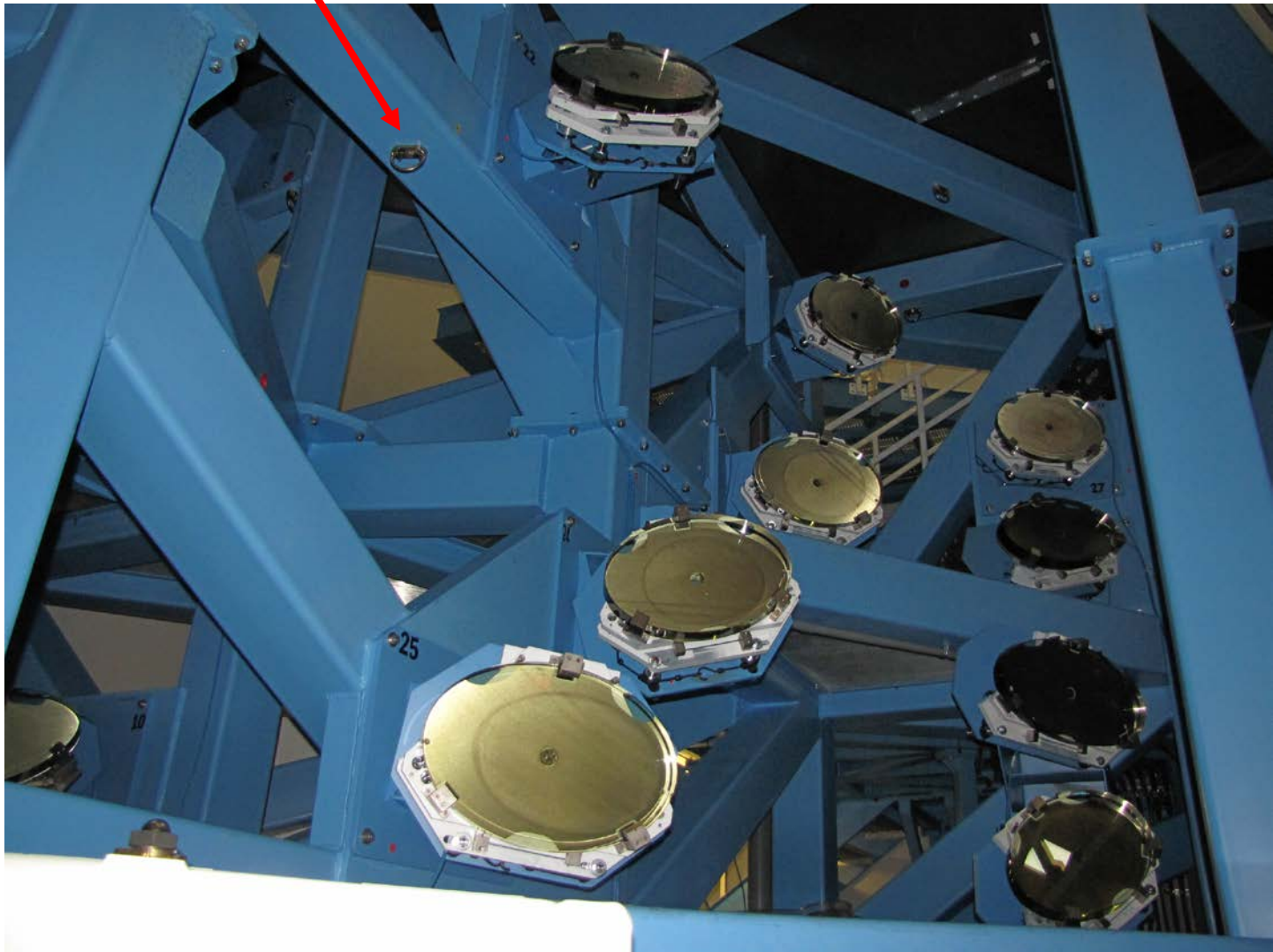
Tether point **J** upon entering structure from ladder  
for inspection of EM 28,29,20,23,24

D-ring anchor location for permanent tether  
point **J**

Permanent  
tether line

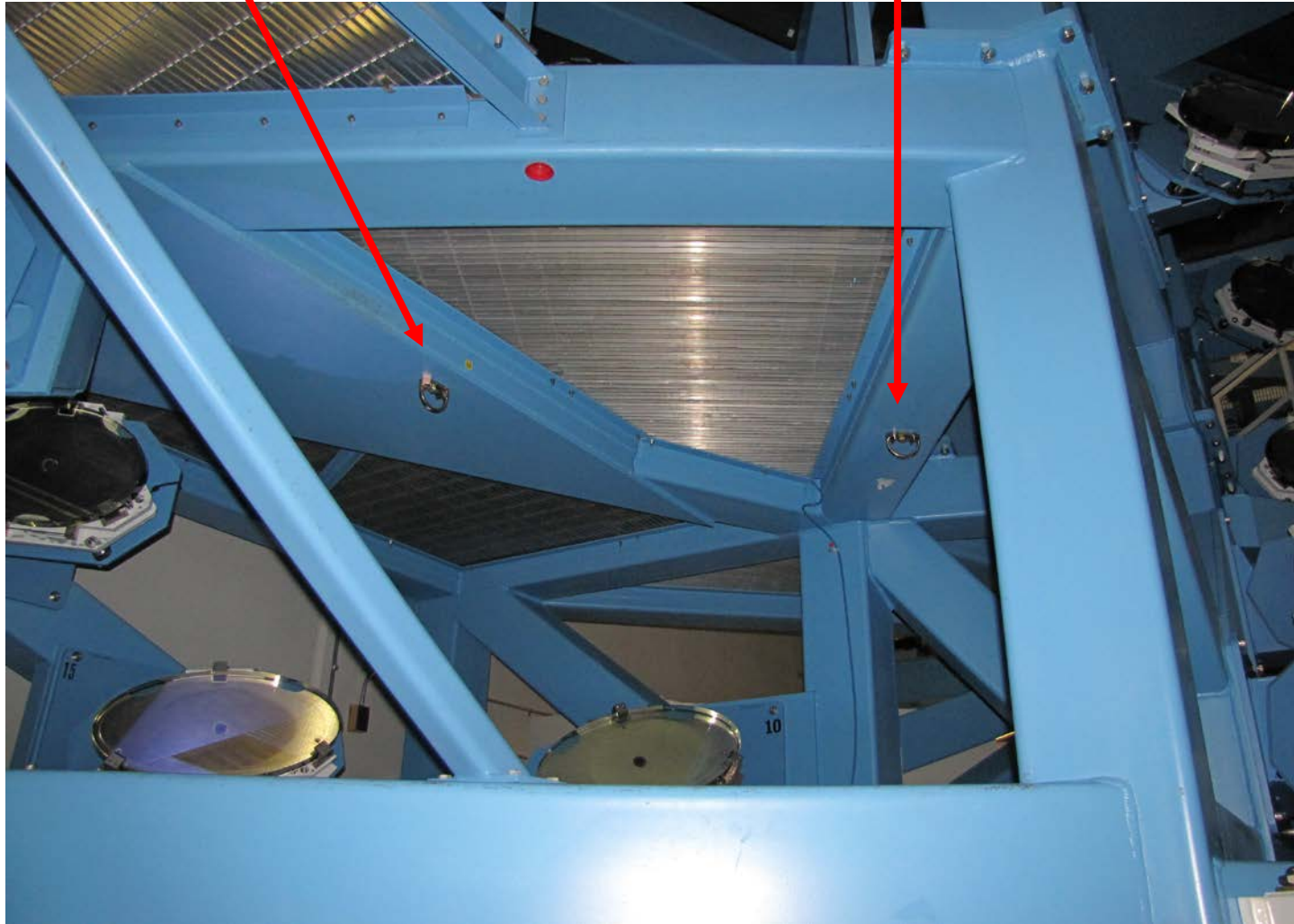


Tether point **K** for inspection of EM 25 and entry tether point to inspect EM 10,14,15



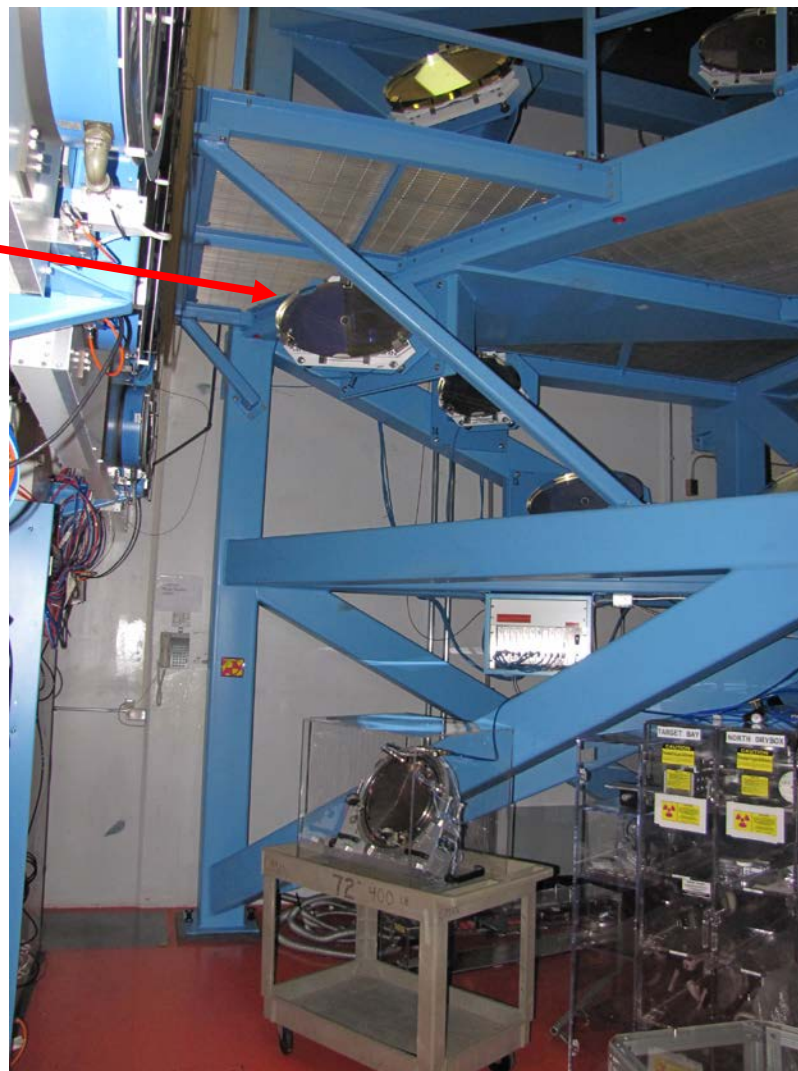
Tether point **M** for inspection of EM14,15

Tether point **L** for inspection of EM10



Use portable ladder to inspect EM 19

EM 19



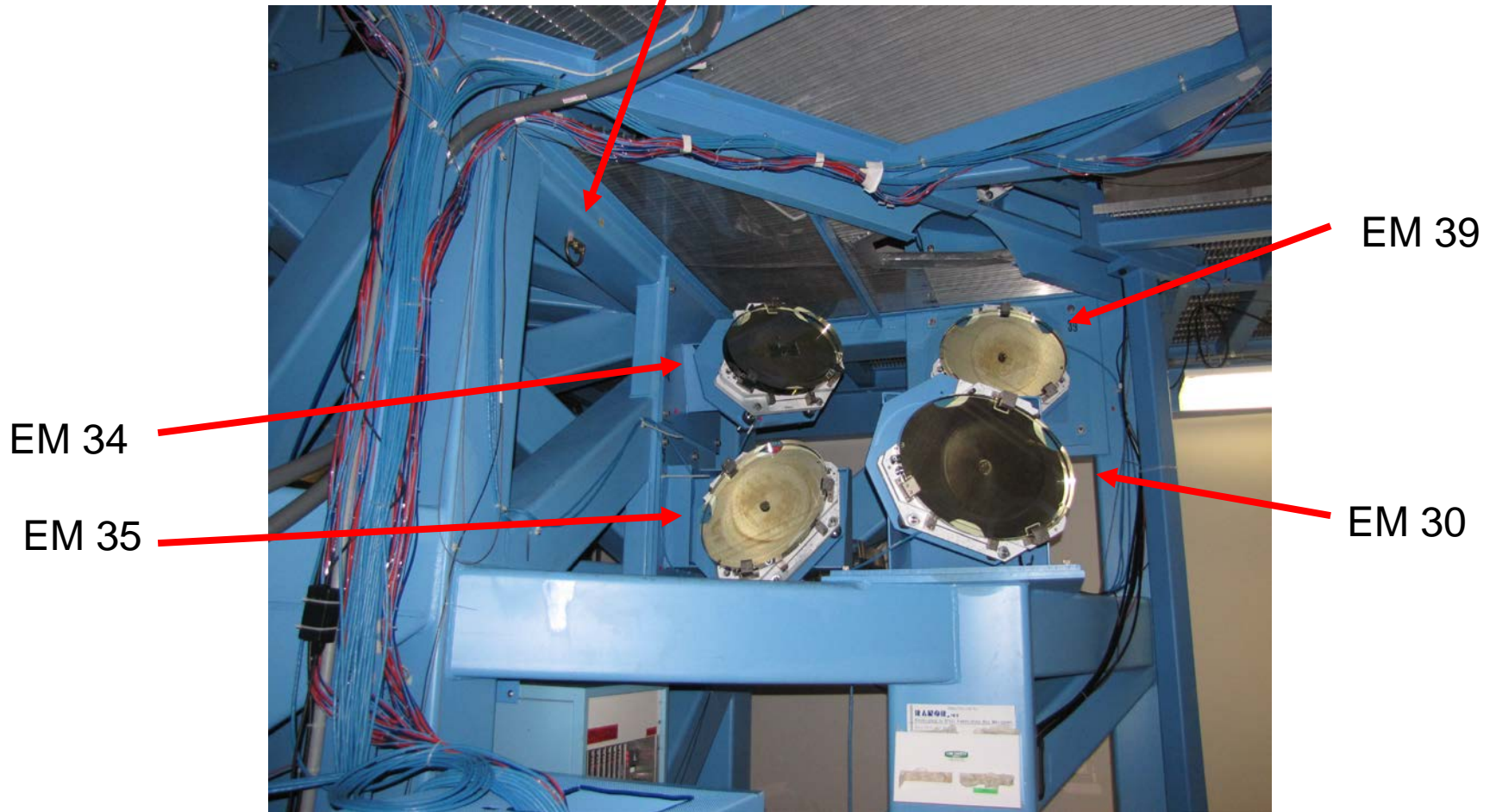
# Inspect EM 26 from manlift

EM 26





Use portable ladder to inspect EM 30,39 and use to access tether point **N** for inspection of EM 34, 35



Inspect EM 31,32,33,36,37,and 38 from service platform

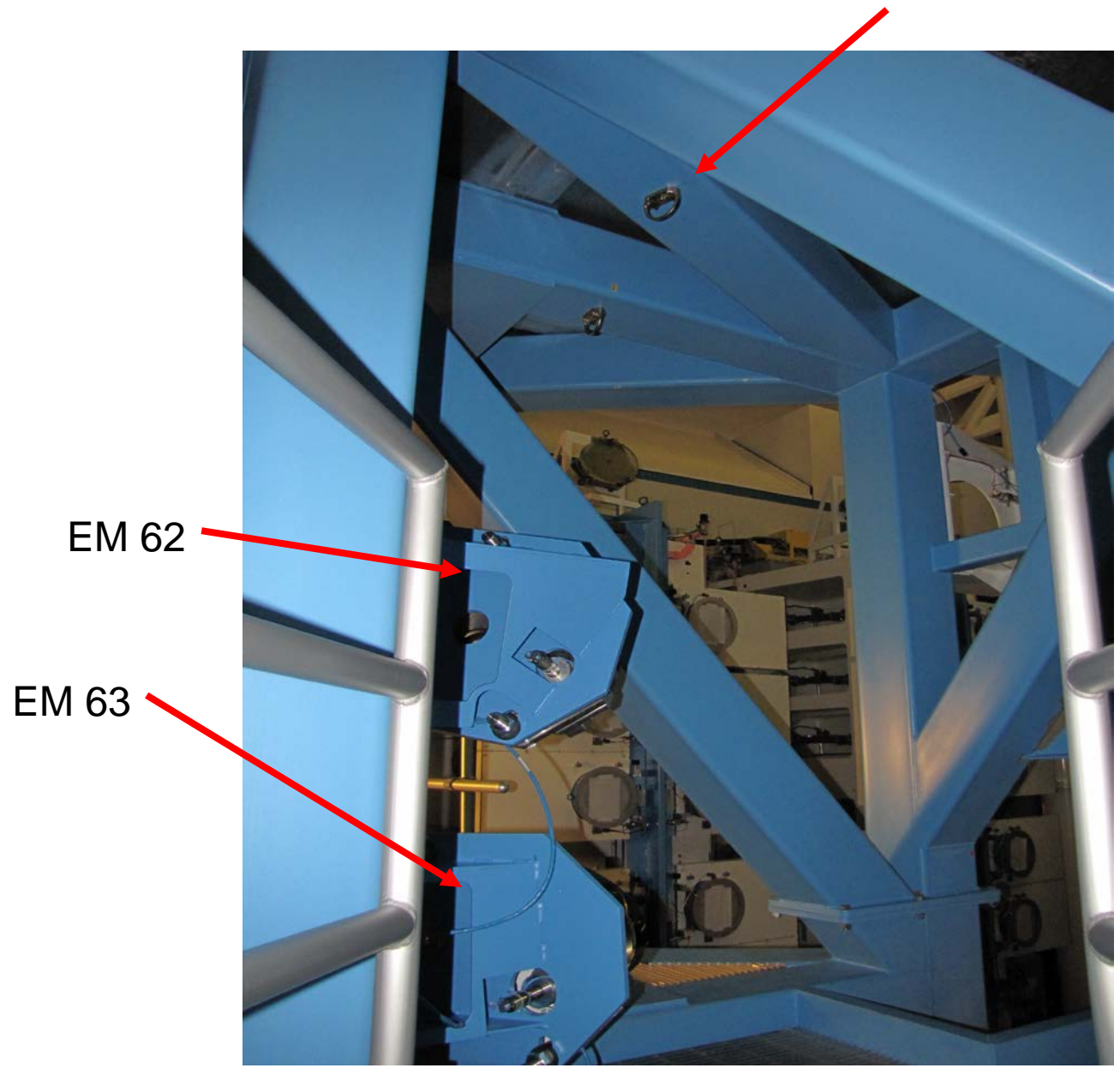


# SEMS inspection plan

Enter SEMS from new permanent ladder located behind the structure



Enter SEMS and attach to tether point 1



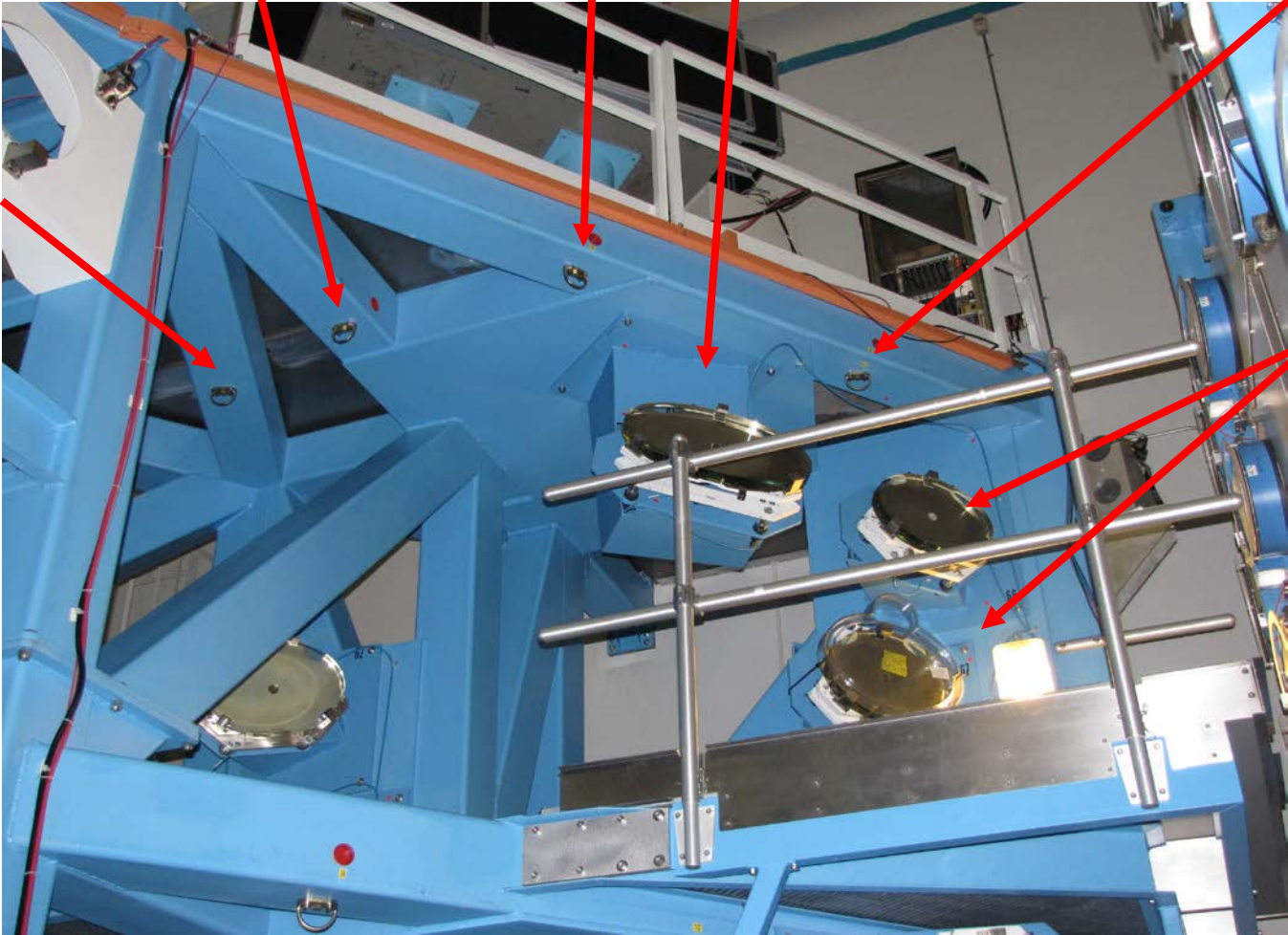
EM 61 tether point **3**

Transition tether point **2**

EM 66,67,68 tether point **4**

EM 61

Entry tether point **1**



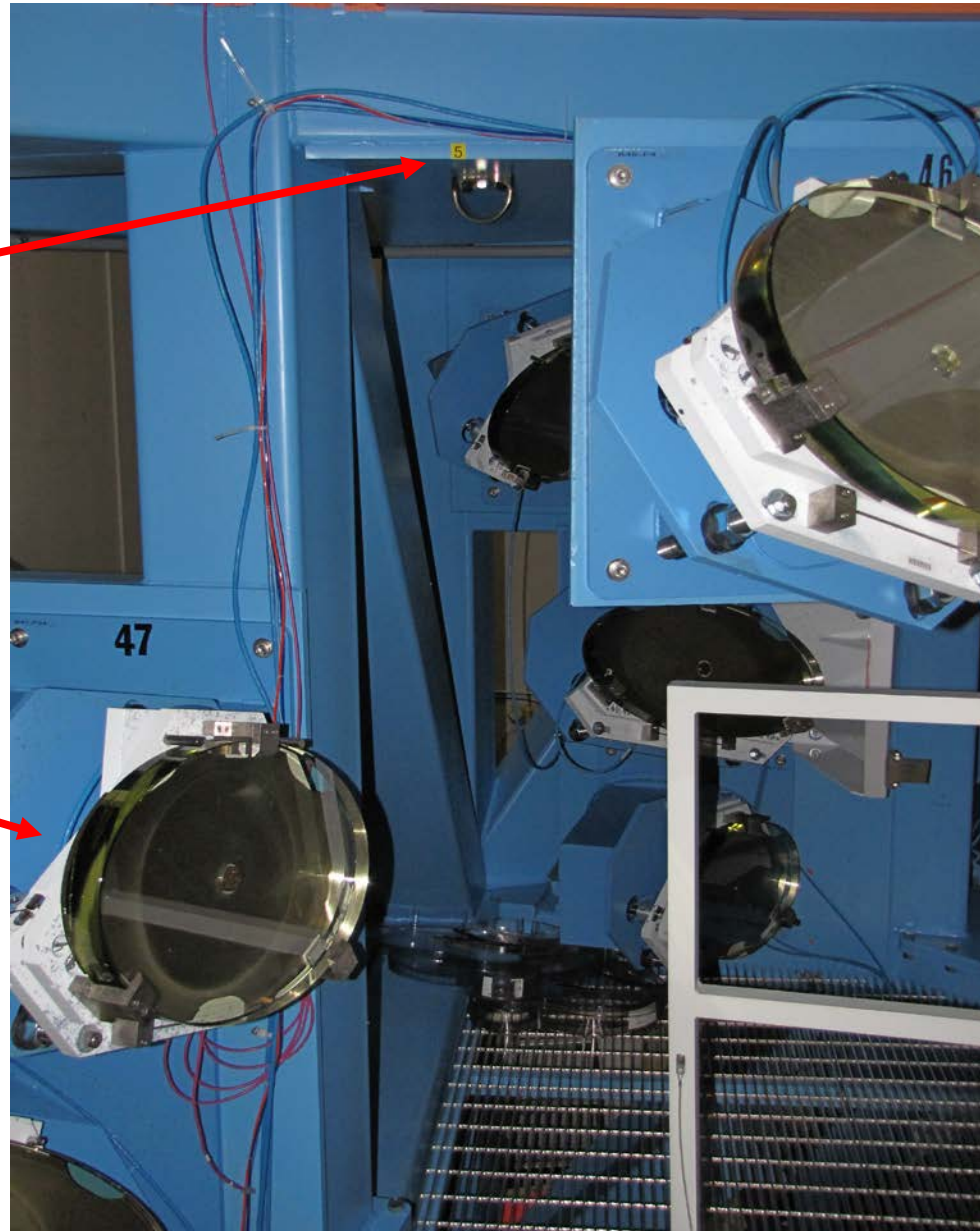
EM 66,67  
(68 not shown)

Enter SEMS from second level of service platform near EM 47

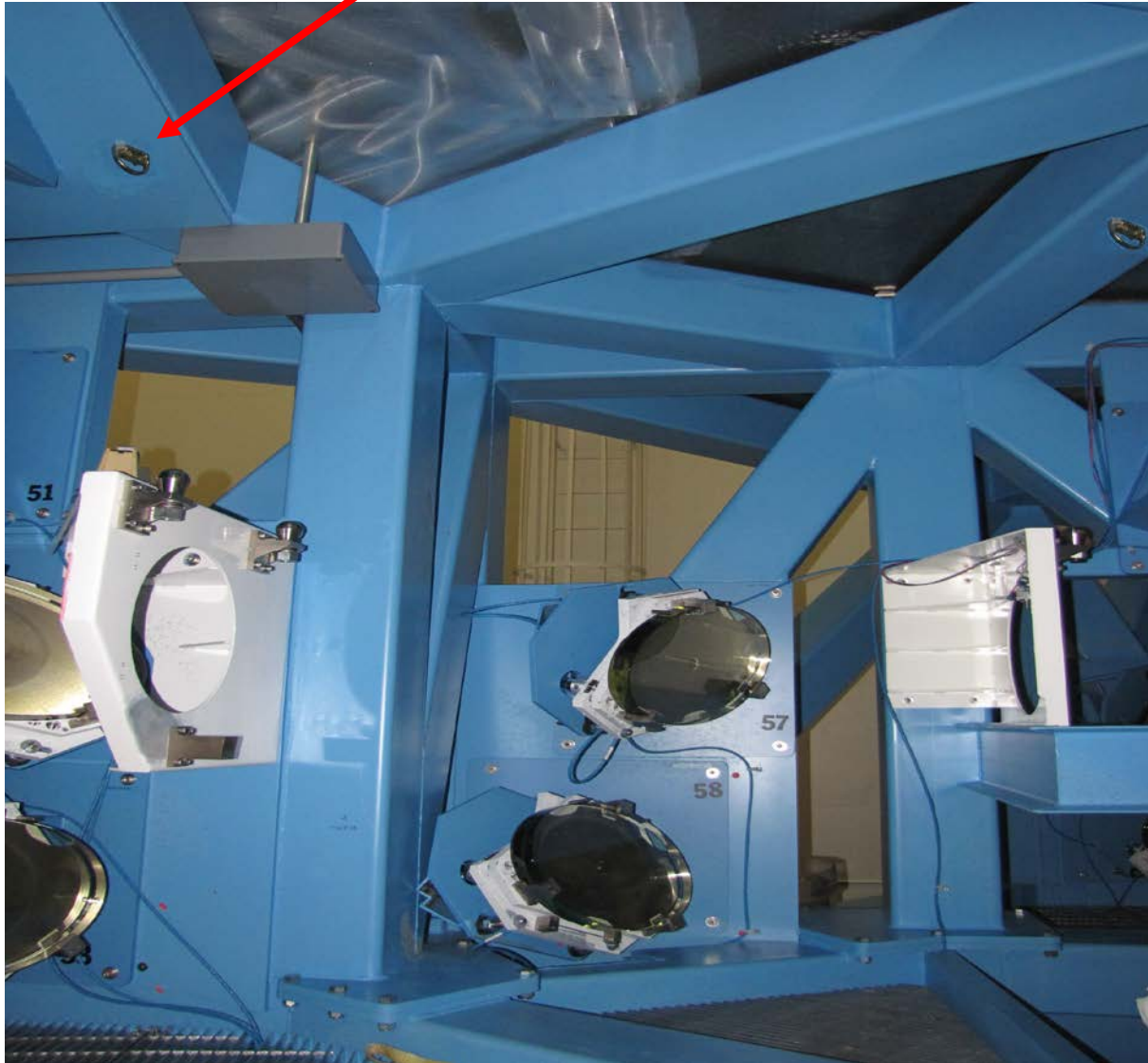
Inspect EM 51, 52, 53 from this point

Entry point  
tether **5**

EM 47



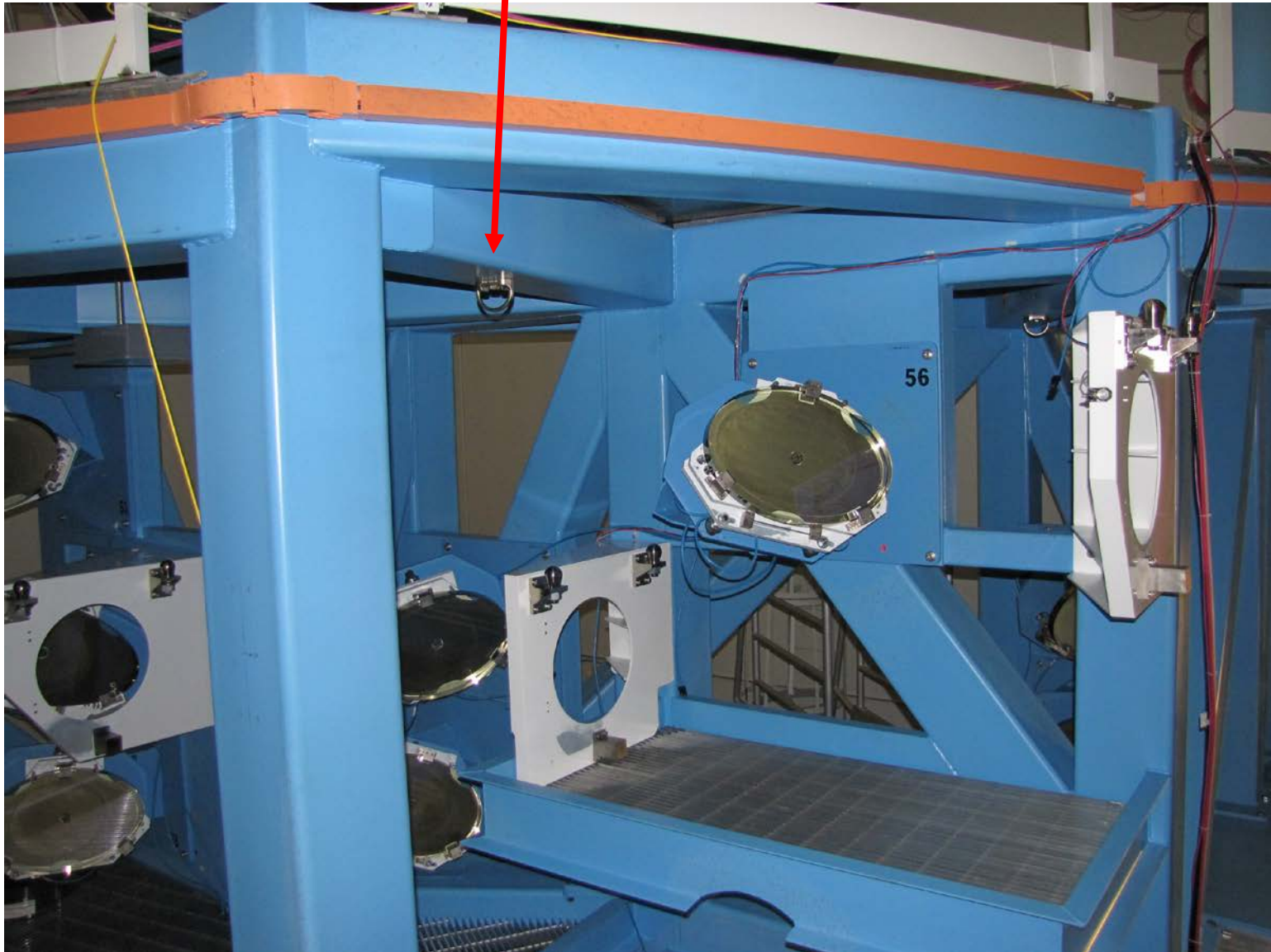
Tether point **6** for inspection of EM 57,58



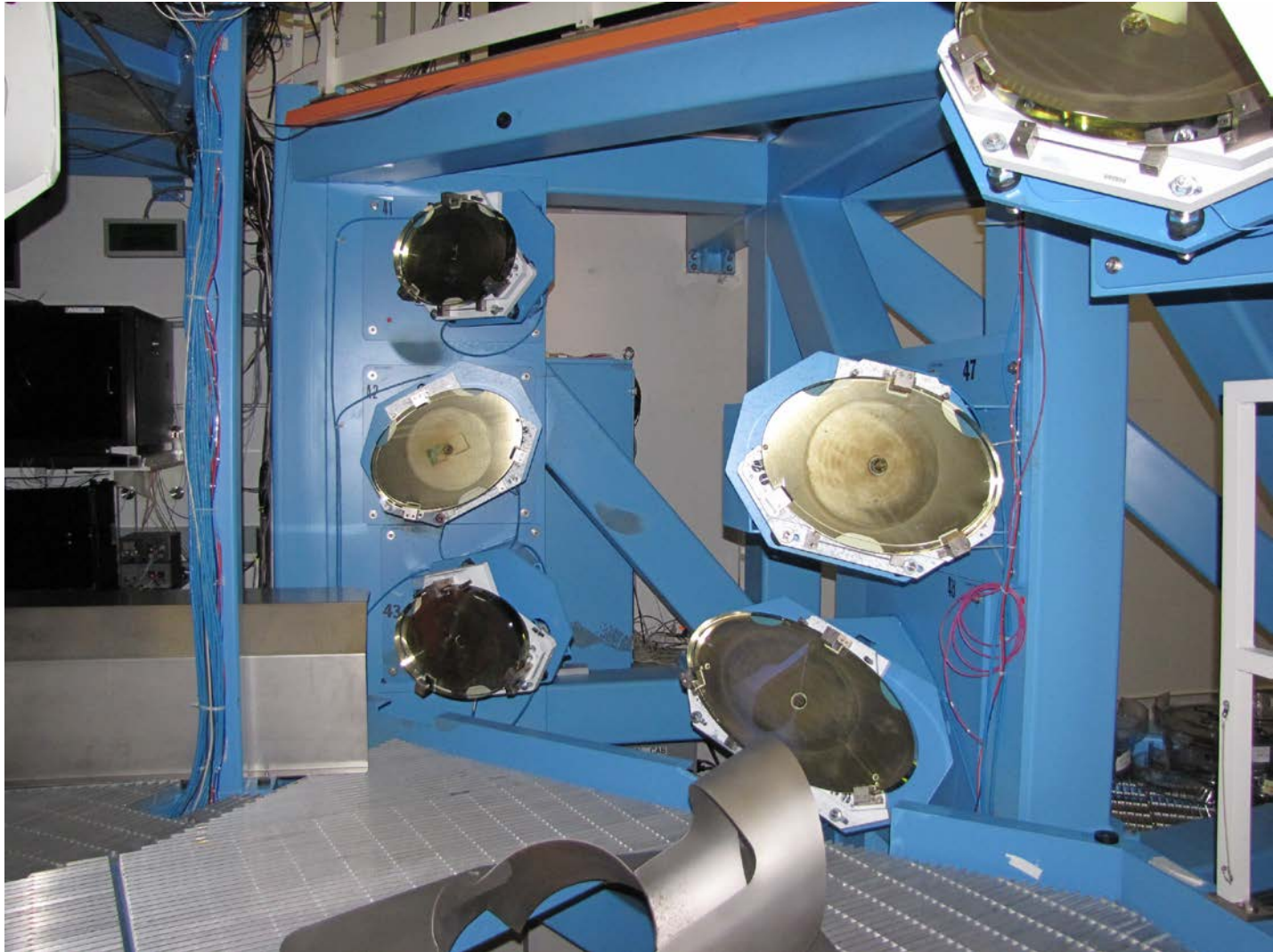
(tether point **7** for EM 56)



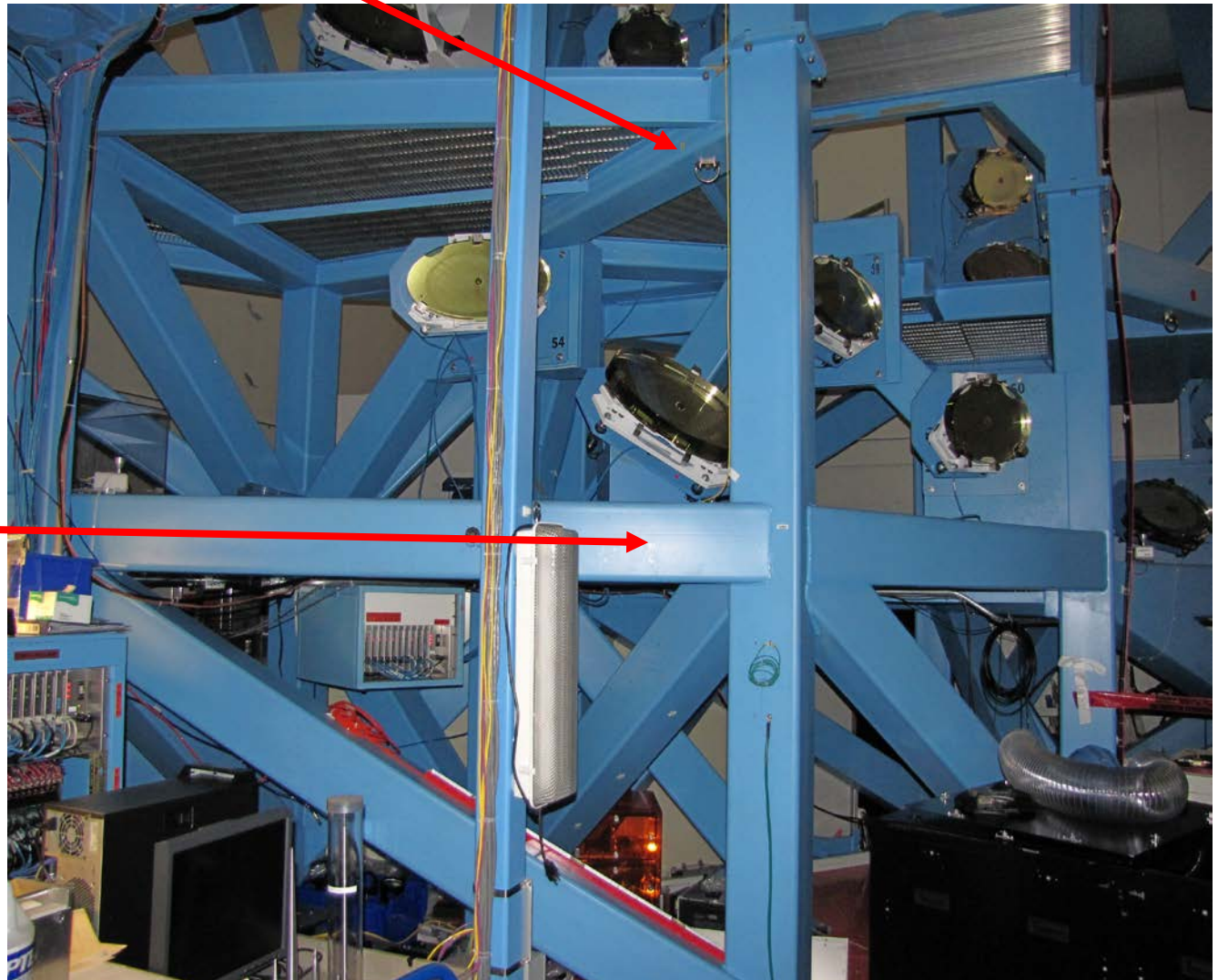
Tether point **7** for EM 56



Inspect EM 41,42,43,46,47,48 from service platform



Tether point **8** for inspection of EM 54,55,59,50



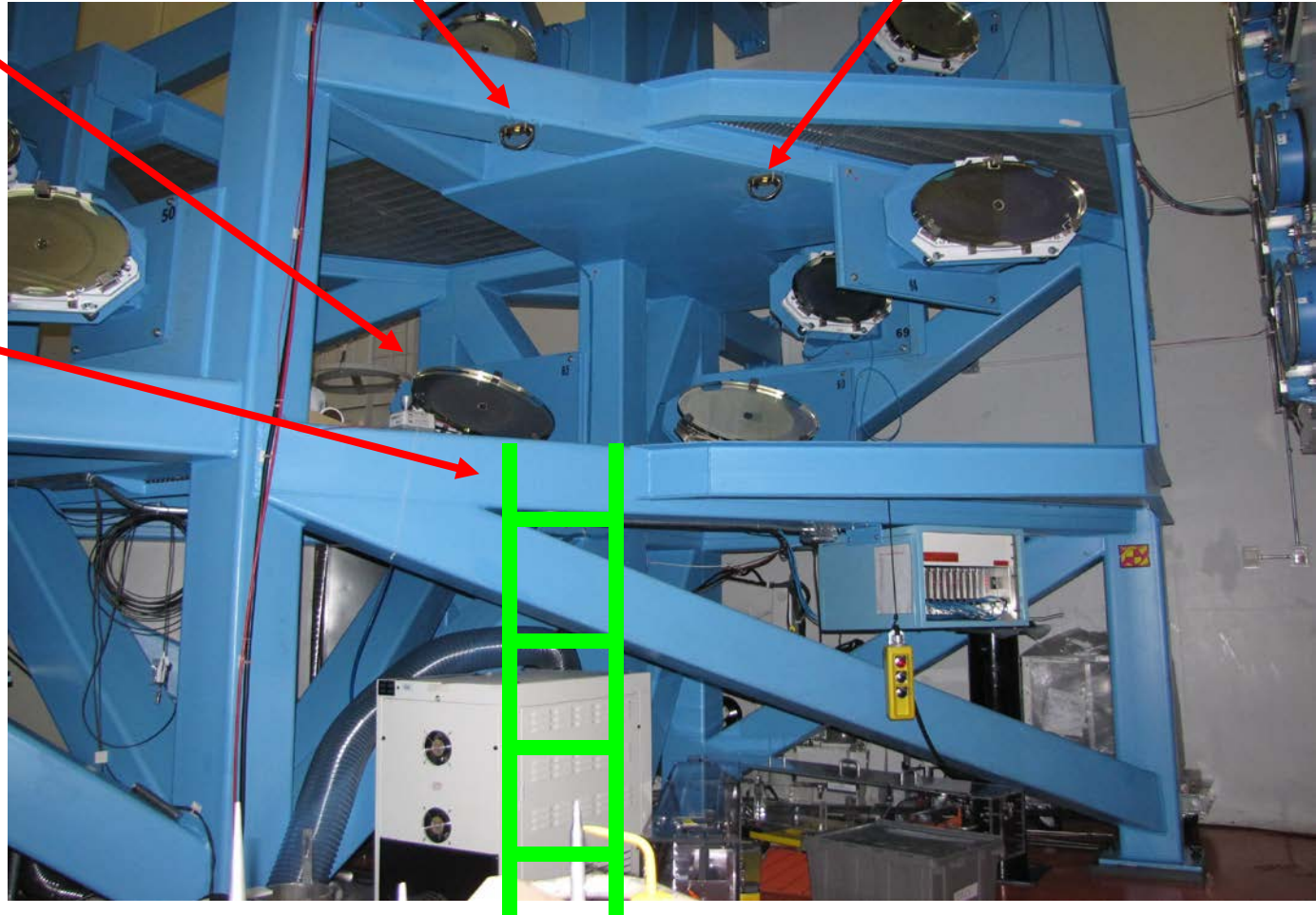
Place temporary  
ladder here  
(behind XOPS  
desk)

Tether point **9** for EM 65

Tether point **10** for EM 64,69,60

EM 65

Portable ladder to gain access to SEMS



Tether point **11** for EM 49,40

EM 49,40

Inspect EM  
44,45 from  
portable ladder

