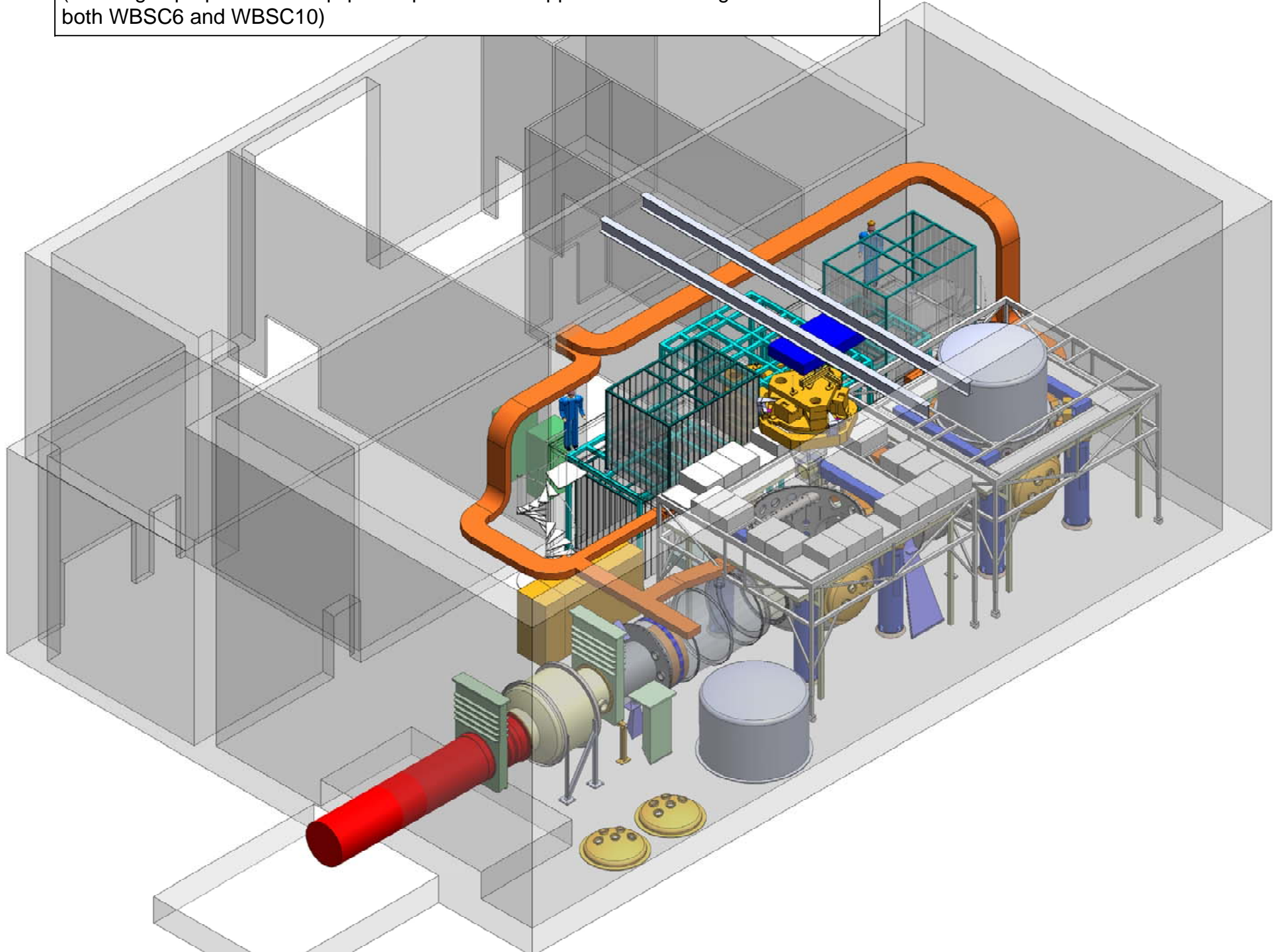
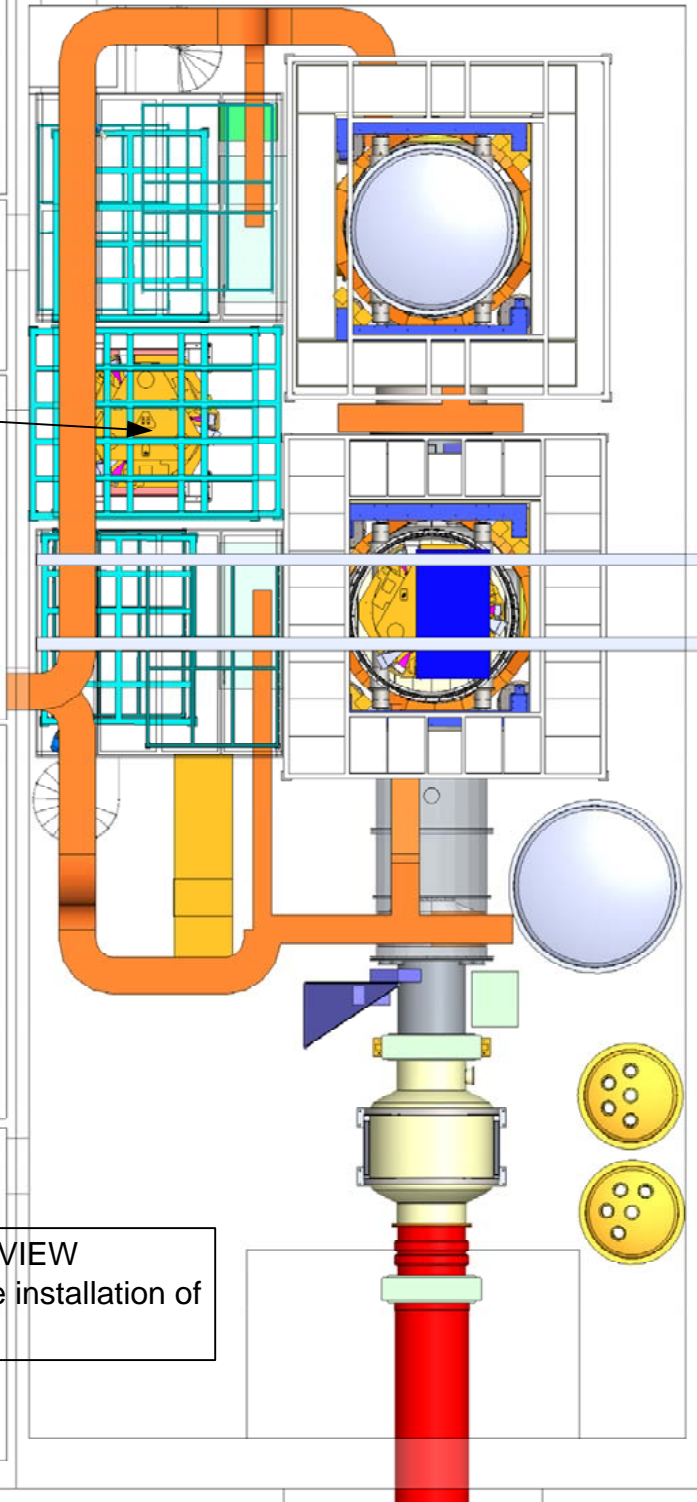


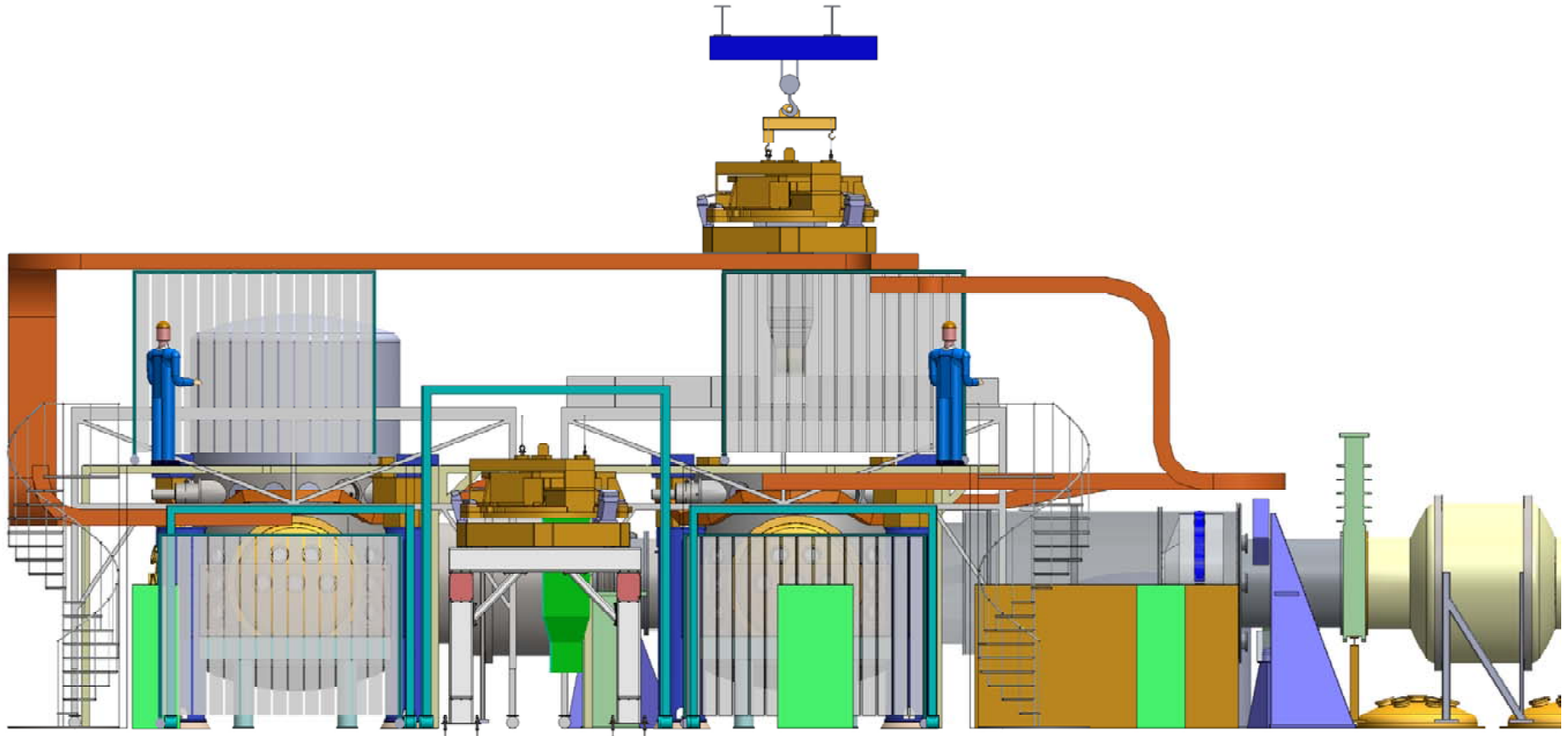
PROPOSED CABLE TRAYS FOR THE LHO Y-END STATION – ISOMETRIC VIEW
(showing superposition of equipment positions in support of the cartridge installation of both WBSC6 and WBSC10)



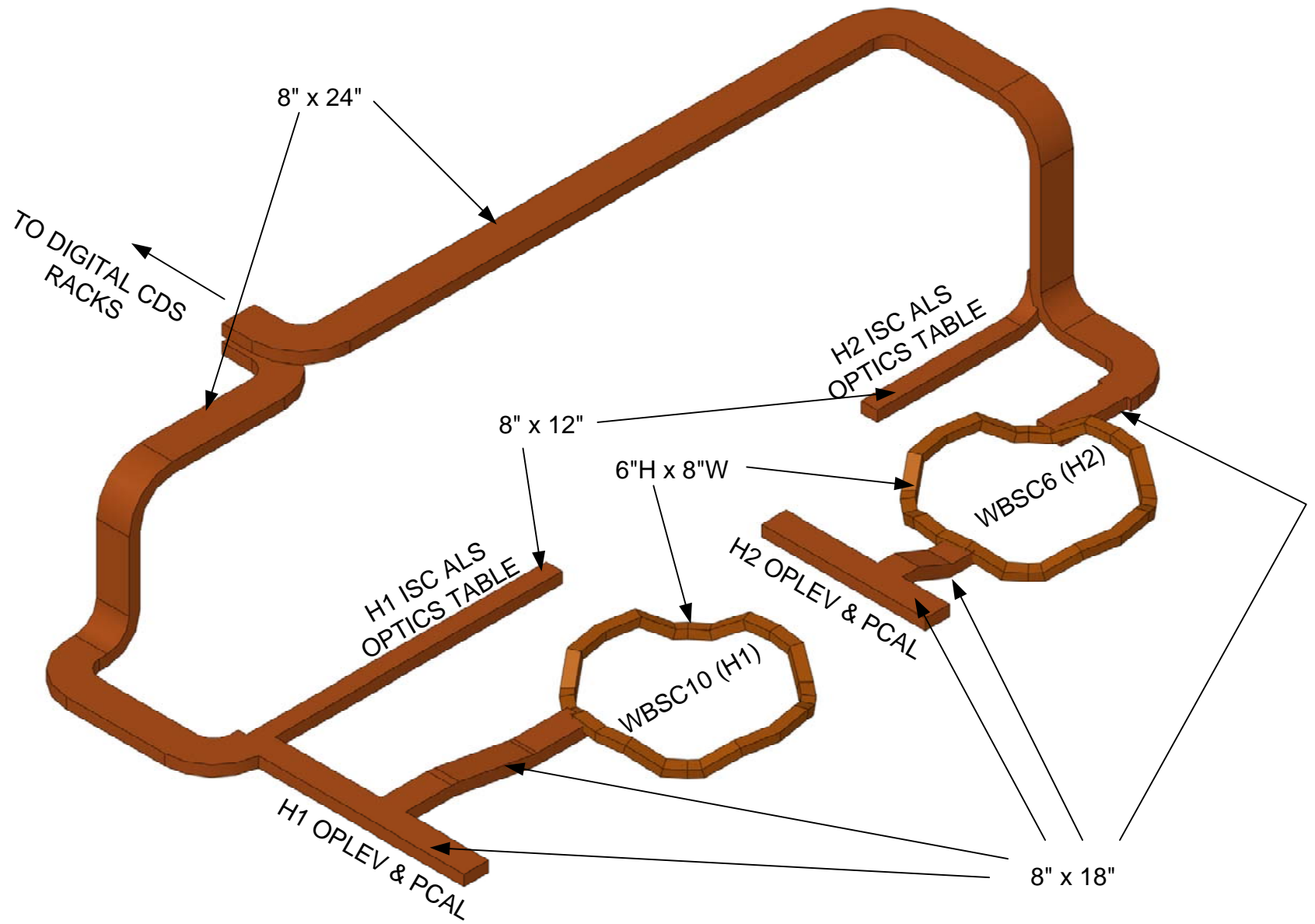
FOR THE FMP INSTALLATION CLEANROOM FINAL DESIGN REVIEW (T1000548-v5), TWO LOCATIONS OF THE SEI-ISI MECHANICAL TEST STAND WERE DEPICTED – ONE FOR CARTRIDGE INSTALLATION INTO WBSC6 AND ANOTHER FOR WBSC10. IT IS BEST IF A SINGLE LOCATION OF THE ISI TEST STAND CAN BE USED (AS SHOWN HERE).



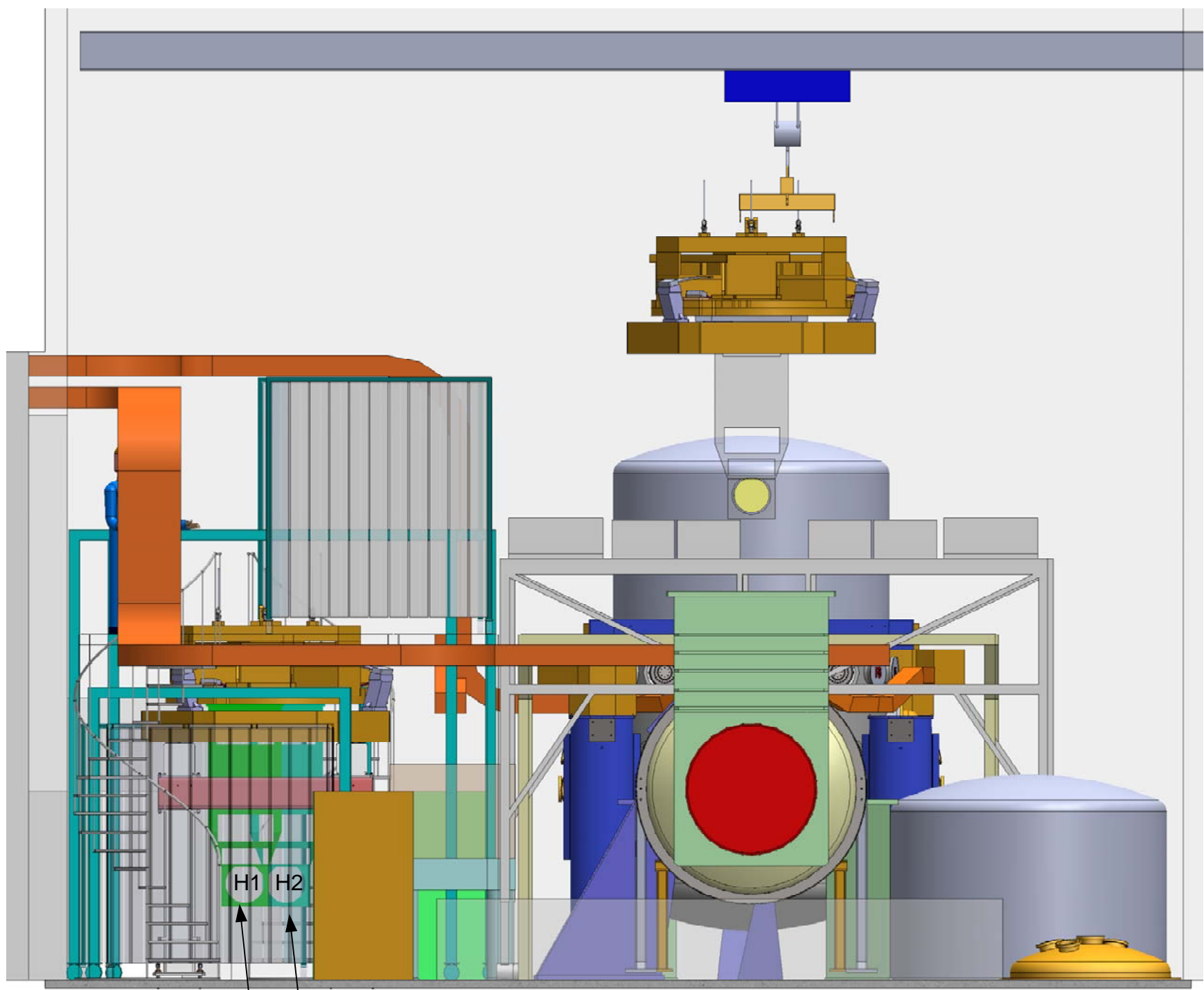
PROPOSED CABLE TRAYS FOR THE LHO Y-END STATION – PLAN VIEW (showing superposition of equipment positions in support of the cartridge installation of both WBSC6 and WBSC10)



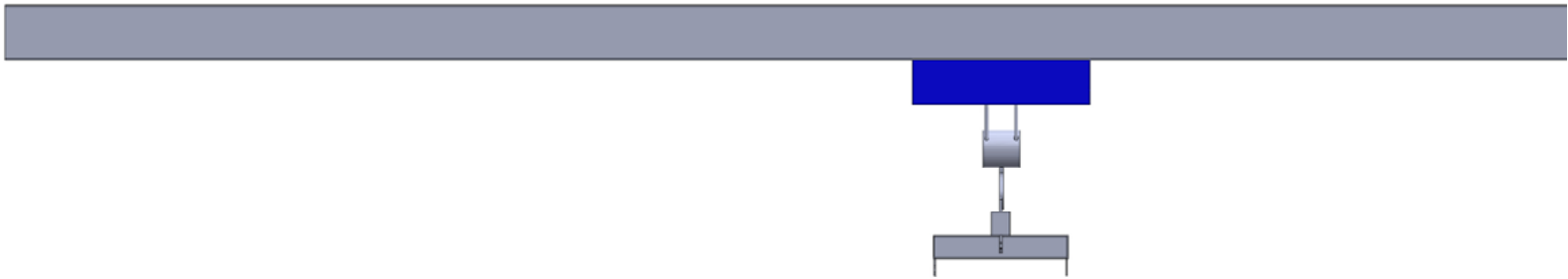
PROPOSED CABLE TRAYS FOR THE LHO Y-END STATION – ELEVATION VIEW
(showing superposition of equipment positions in support of the cartridge installation of both WBSC6 and WBSC10)



PROPOSED CABLE TRAYS FOR THE LHO Y-END STATION – ISOMETRIC VIEW

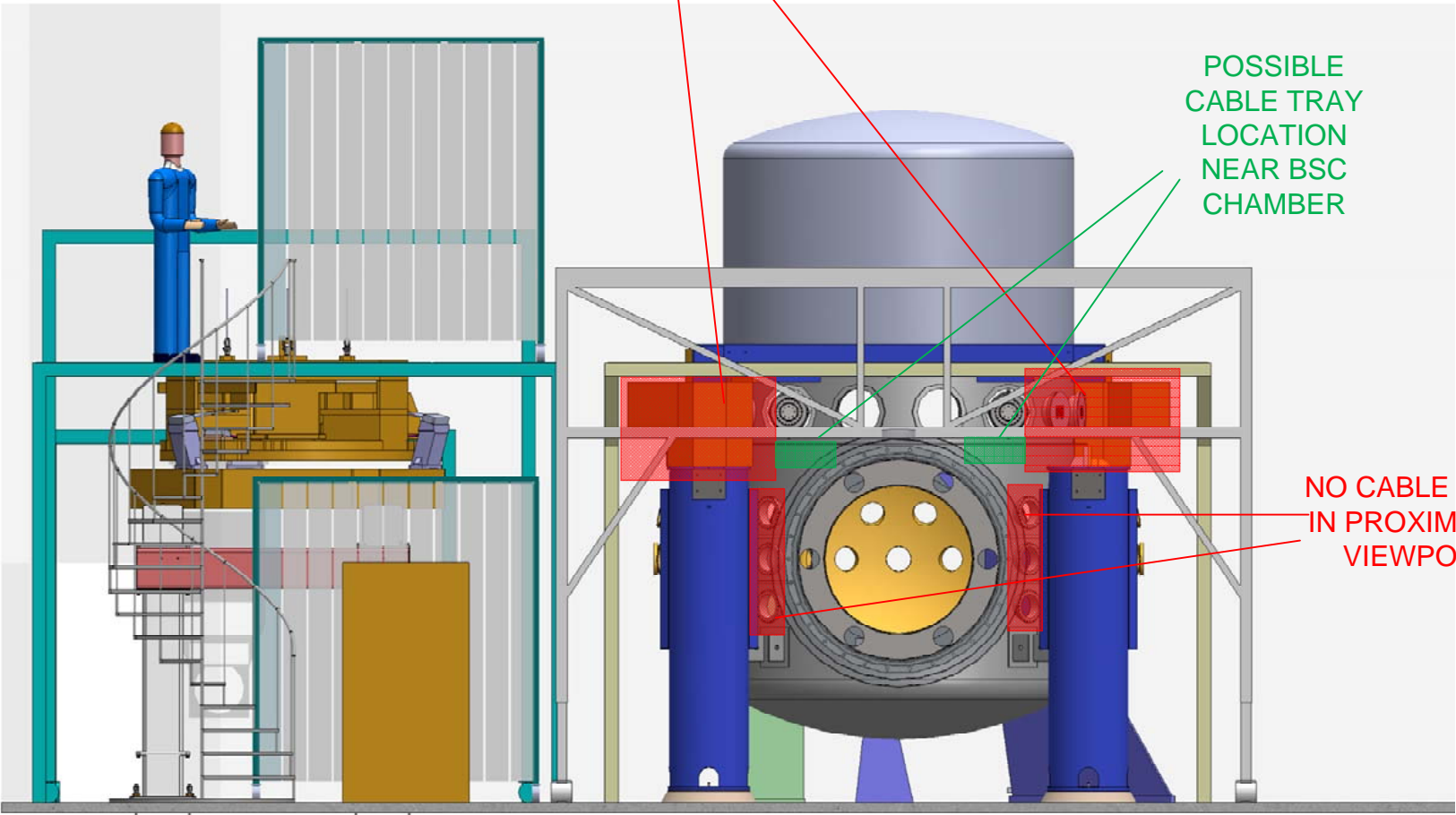


IAS SURVEY EQUIPMENT VIEW OF
ETM HR FACES (THROUGH CLEAN
ROOM CURTAIN WALLS)

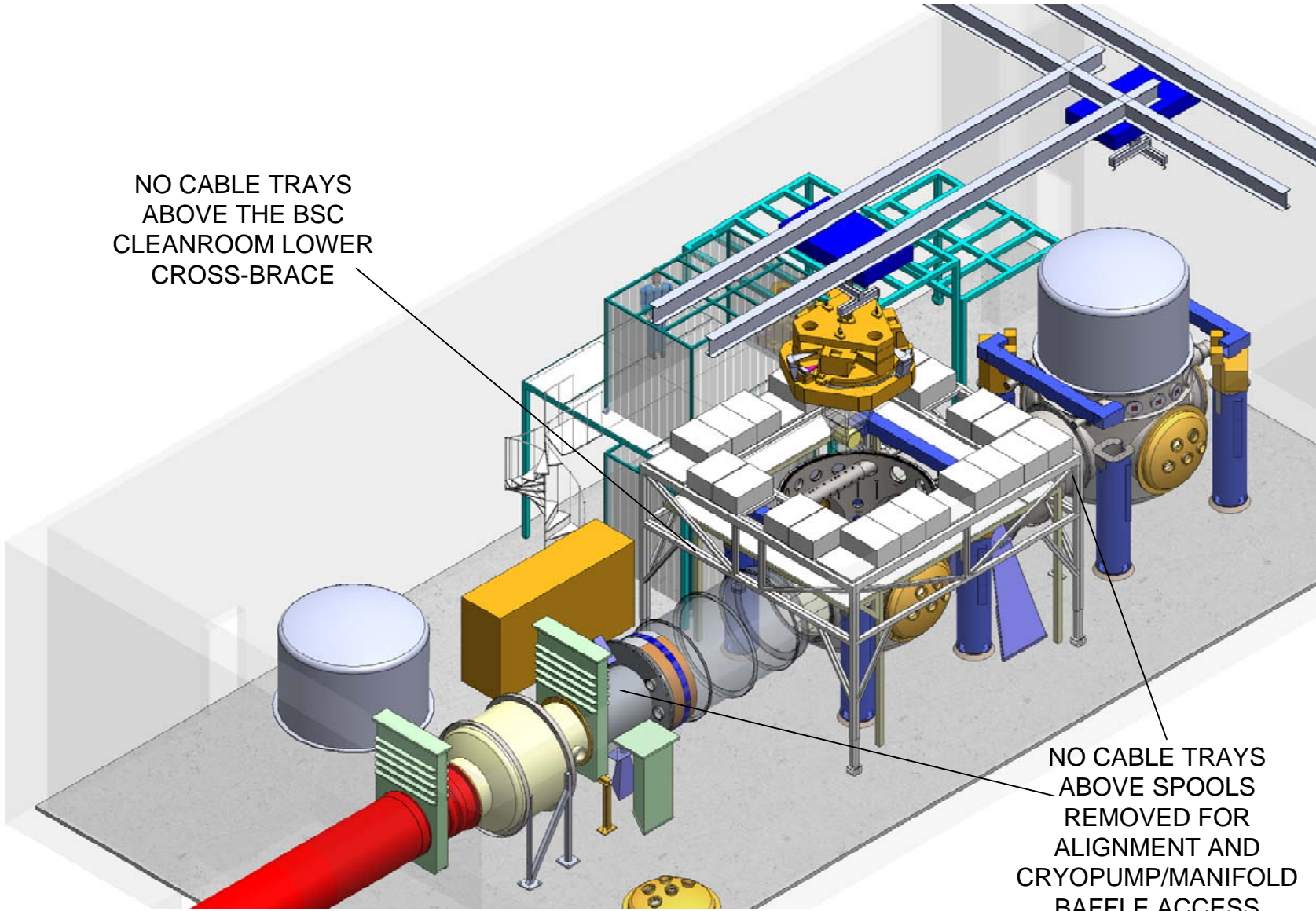


NO CABLE TRAYS IN
PROXIMITY OF HEPI
PIER ASSEMBLIES

POSSIBLE
CABLE TRAY
LOCATION
NEAR BSC
CHAMBER



NO CABLE TRAYS
IN PROXIMITY OF
VIEWPORTS

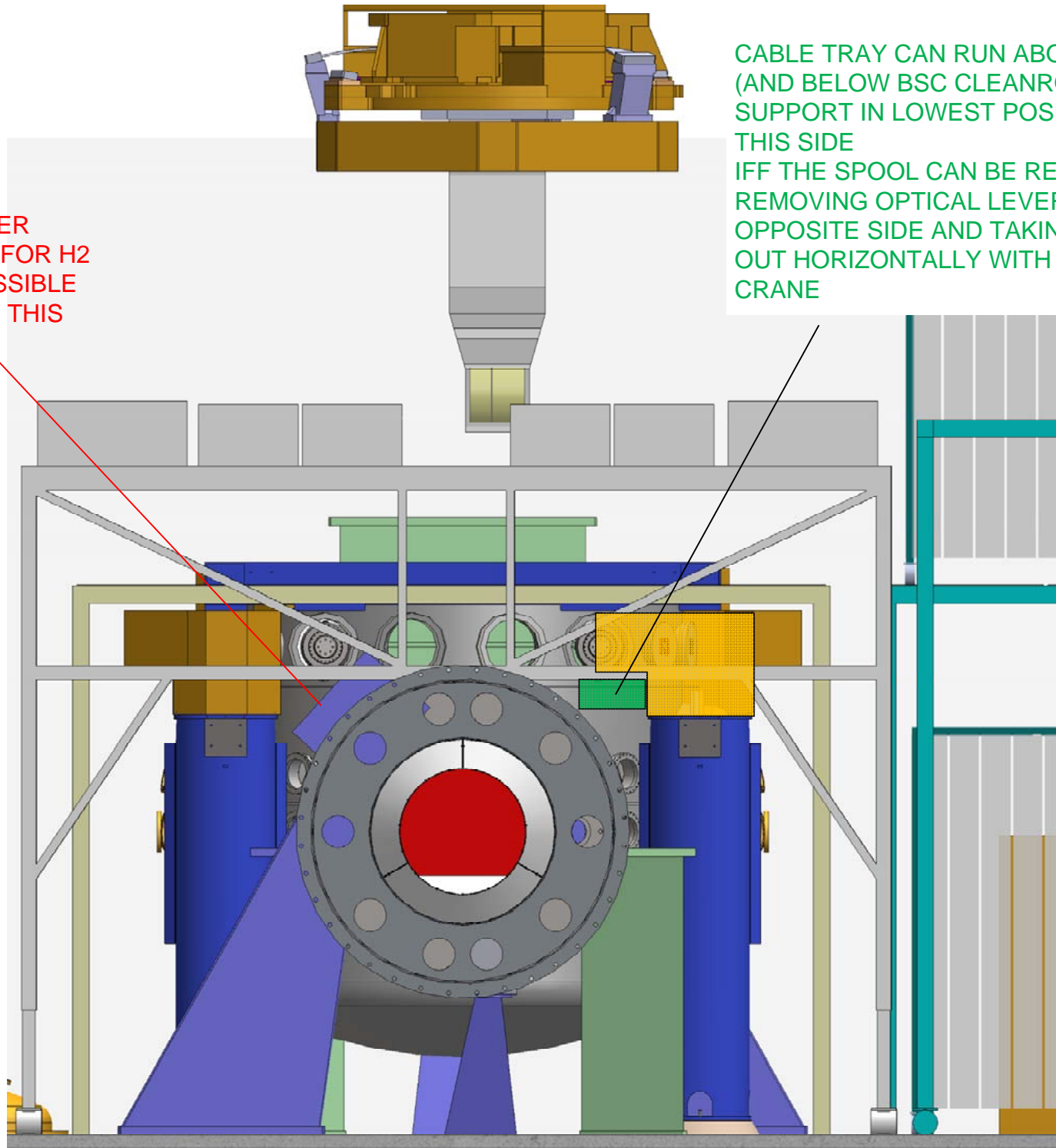


NO CABLE TRAYS
ABOVE THE BSC
CLEANROOM LOWER
CROSS-BRACE

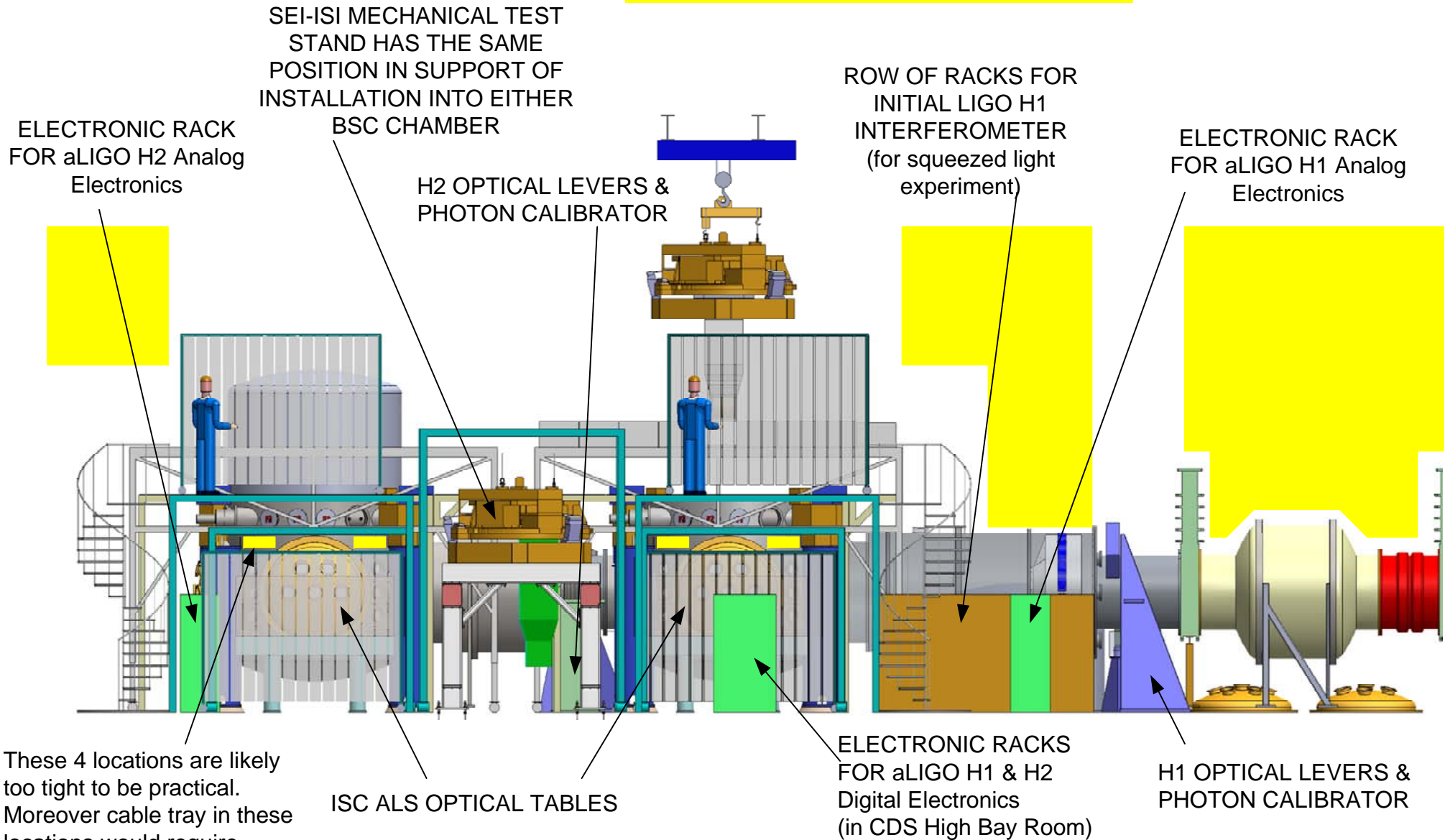
NO CABLE TRAYS
ABOVE SPOOLS
REMOVED FOR
ALIGNMENT AND
CRYOPUMP/MANIFOLD
BAFFLE ACCESS

OPTICAL LEVER
RECEIVER PYLON FOR H2
ETM BLOCKS POSSIBLE
CABLE TRAY ON THIS
SIDE

CABLE TRAY CAN RUN ABOVE SPOOL
(AND BELOW BSC CLEANROOM CROSS
SUPPORT IN LOWEST POSITION) ON
THIS SIDE
IFF THE SPOOL CAN BE REMOVED BY
REMOVING OPTICAL LEVER PYLON ON
OPPOSITE SIDE AND TAKING SPOOL
OUT HORIZONTALLY WITH OVERHEAD
CRANE

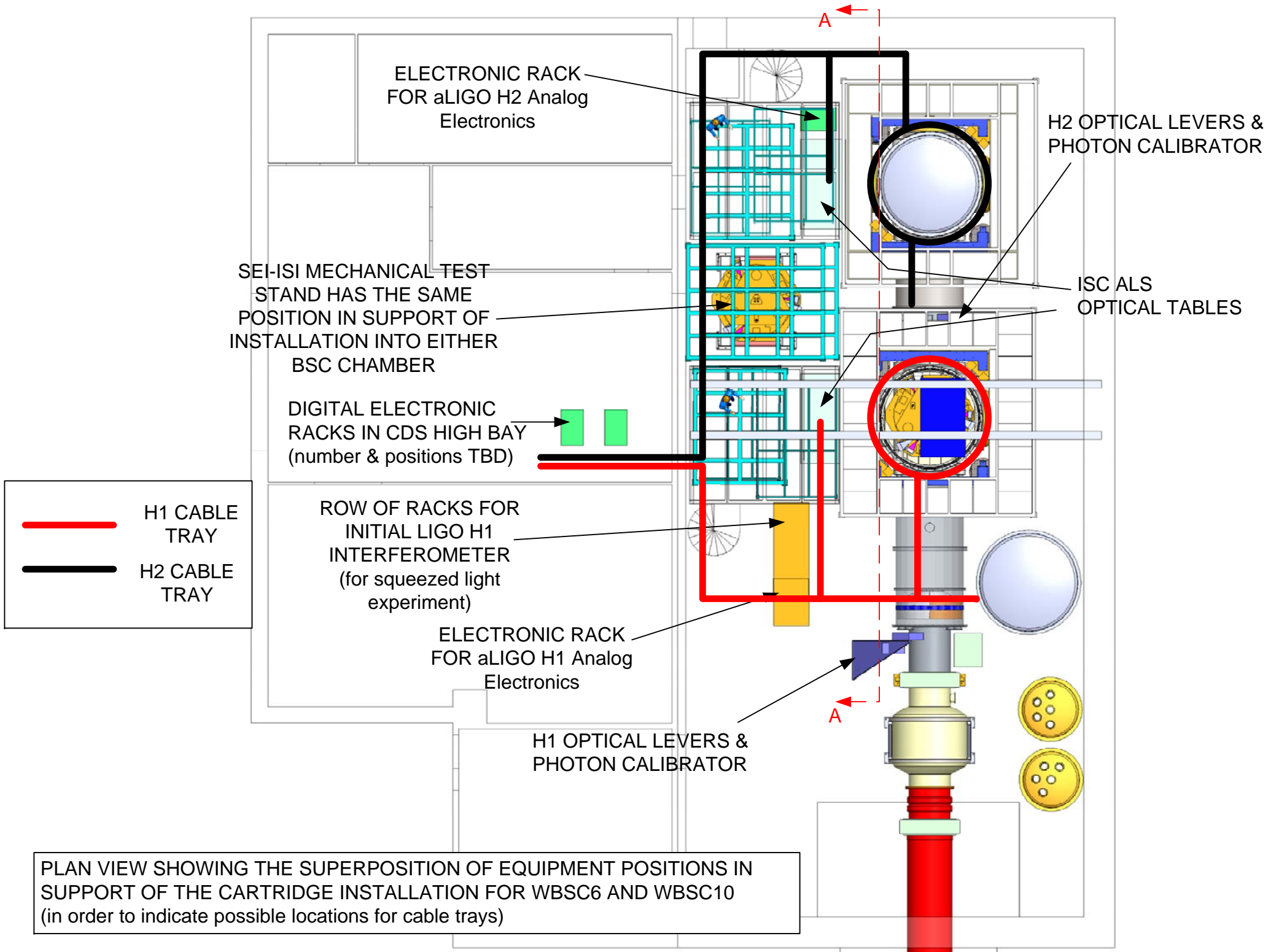


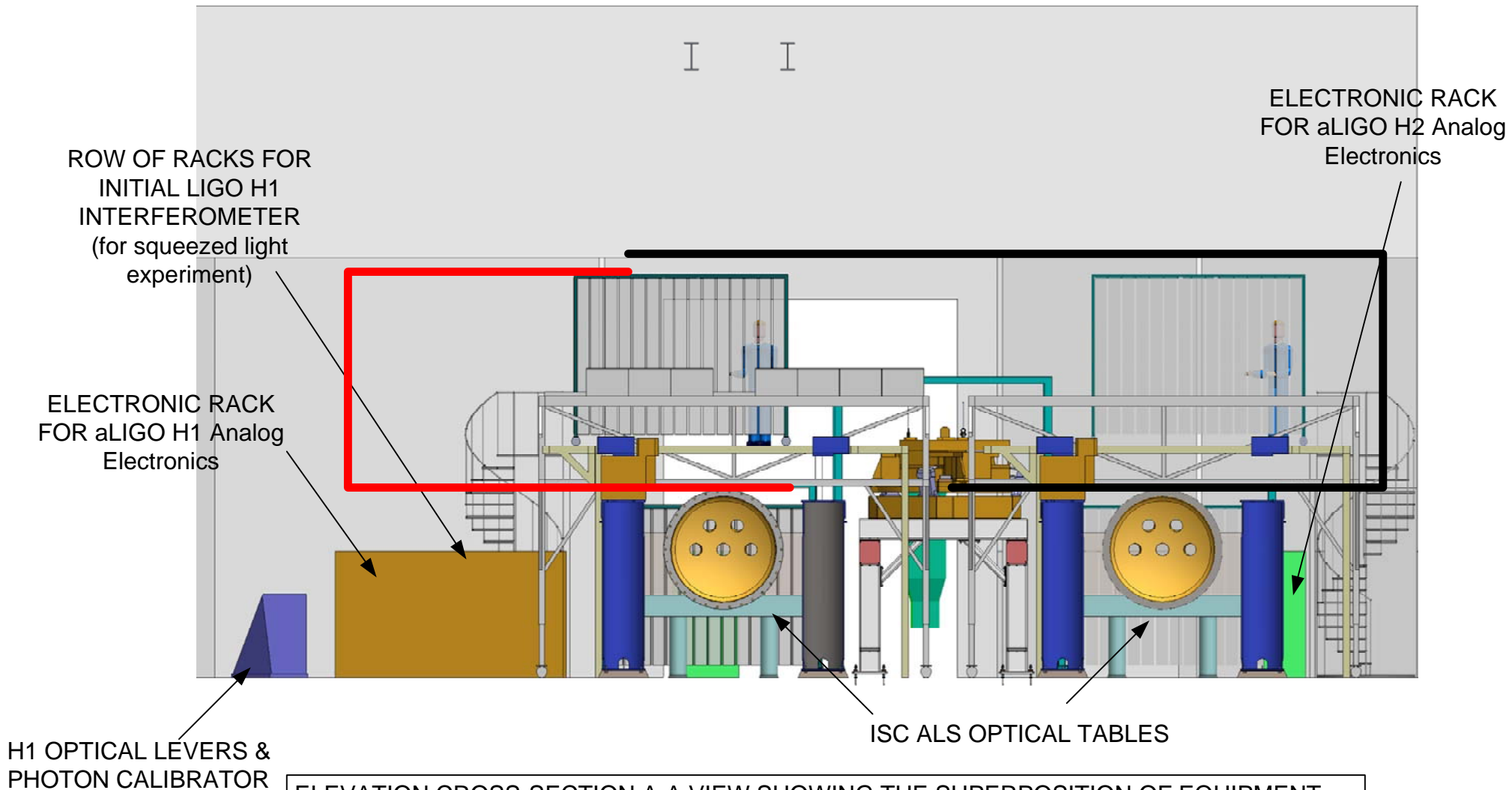
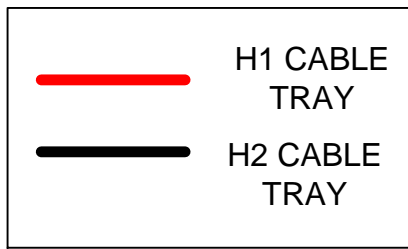
REGIONS WHERE A CABLE TRAY CAN PASS FROM THE VEA INTERIOR WALL TO THE BEAM LINE AREA ARE SHOWN IN YELLOW



These 4 locations are likely too tight to be practical. Moreover cable tray in these locations would require craning the smaller cleanrooms.

ELEVATION VIEW SHOWING THE SUPERPOSITION OF EQUIPMENT POSITIONS IN SUPPORT OF THE CARTRIDGE INSTALLATION FOR WBSC6 AND WBSC10 (in order to indicate possible locations for cable trays; building walls not shown)





ELEVATION CROSS-SECTION A-A VIEW SHOWING THE SUPERPOSITION OF EQUIPMENT POSITIONS IN SUPPORT OF THE CARTRIDGE INSTALLATION FOR WBSC6 AND WBSC10 (in order to indicate possible locations for cable trays)

