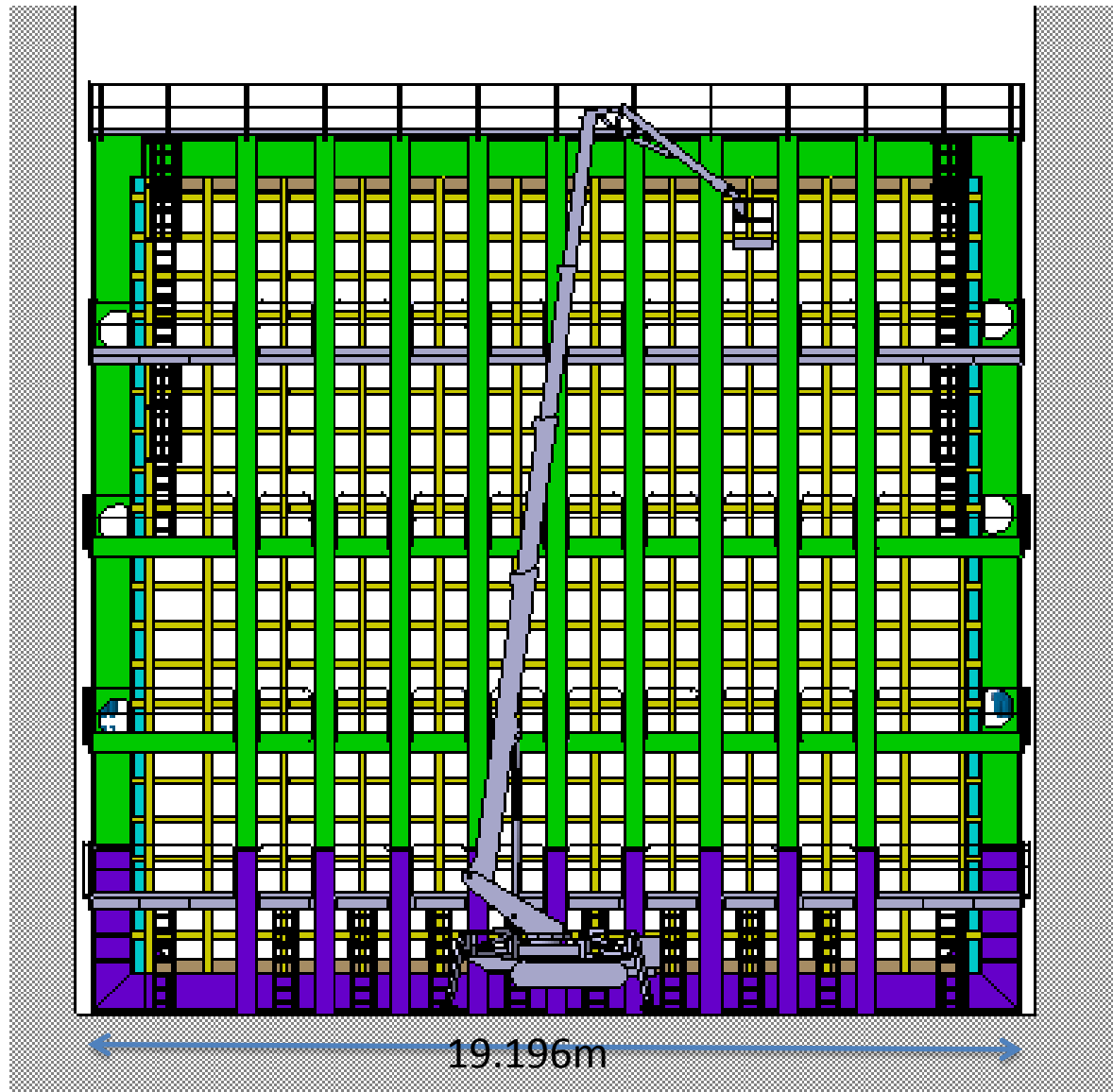


# Cold cryostat (membrane)

27-5-2015

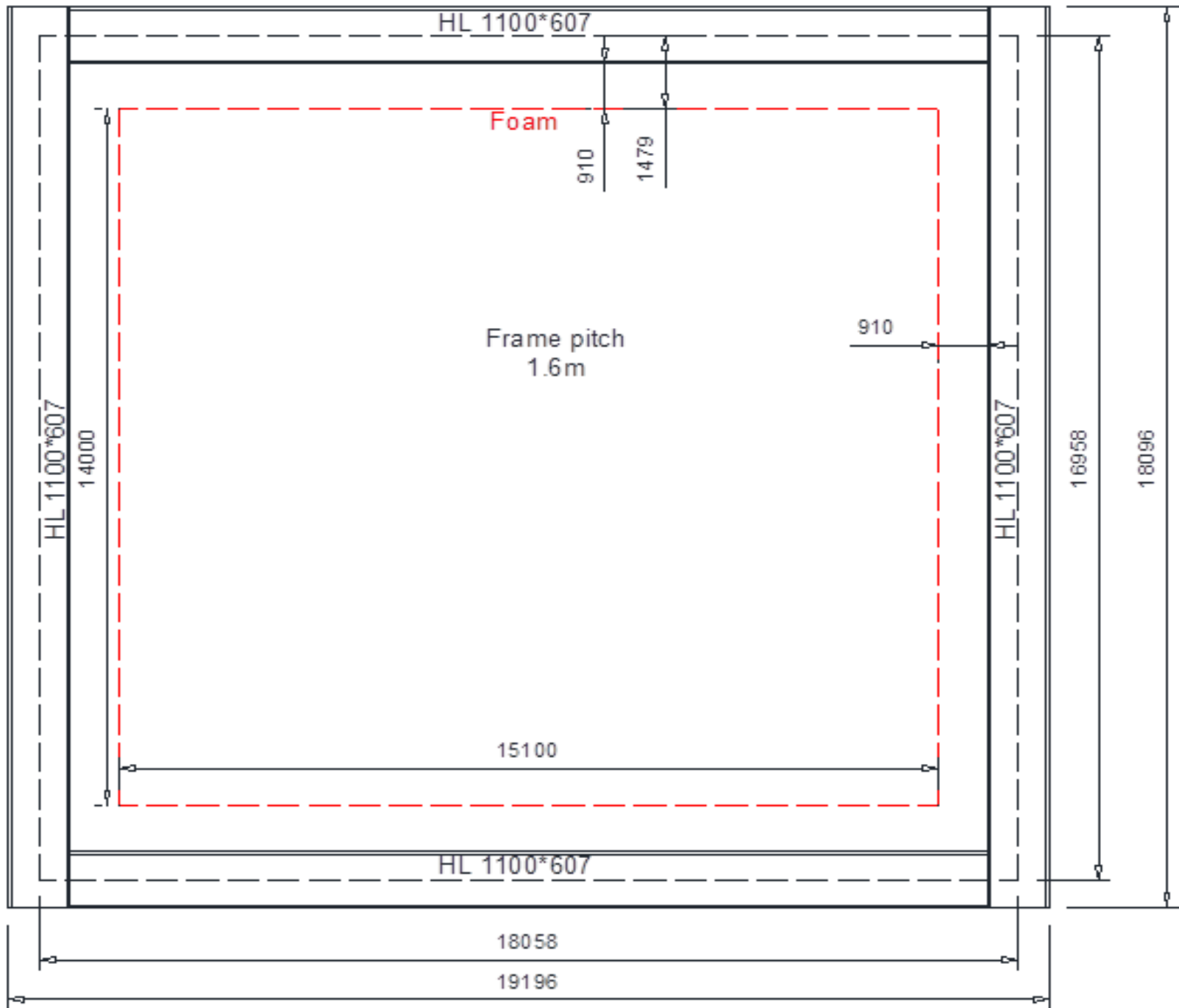
	Length [mm]	Width [mm]	Height [mm]
Membrane Internal dimensions	62'000	15'100	14'000
SS plate Internal Dimensions	63'800	16'900	15'800
External Dimensions of the Structure	66'096	19'196	18'096

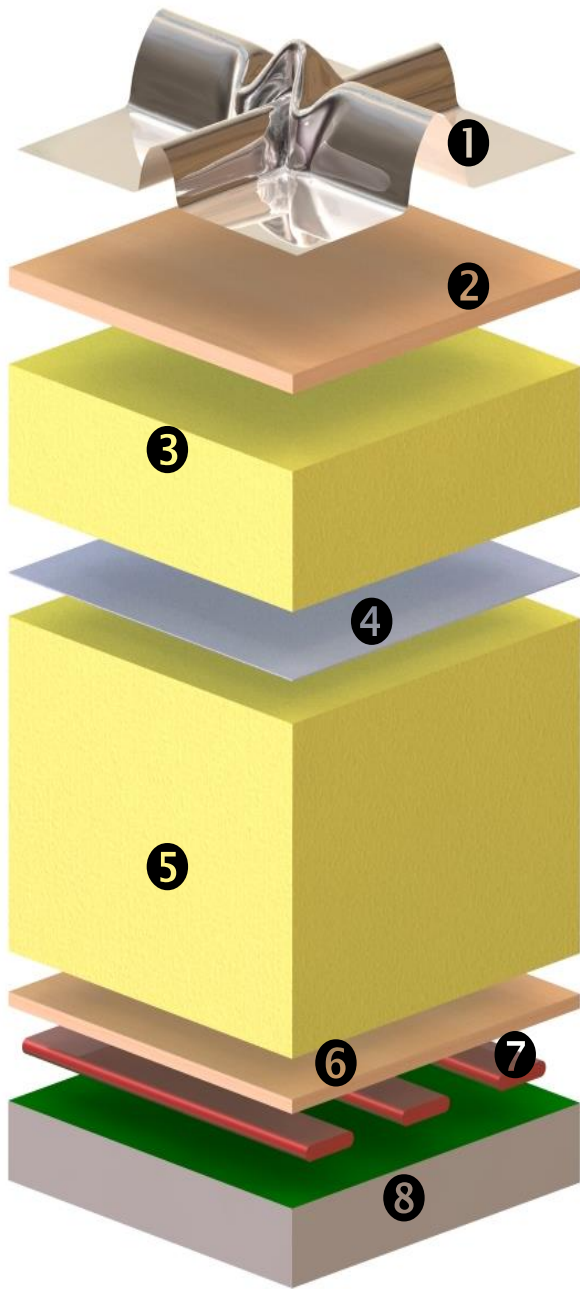
Length  
66.096 m



18.096 m

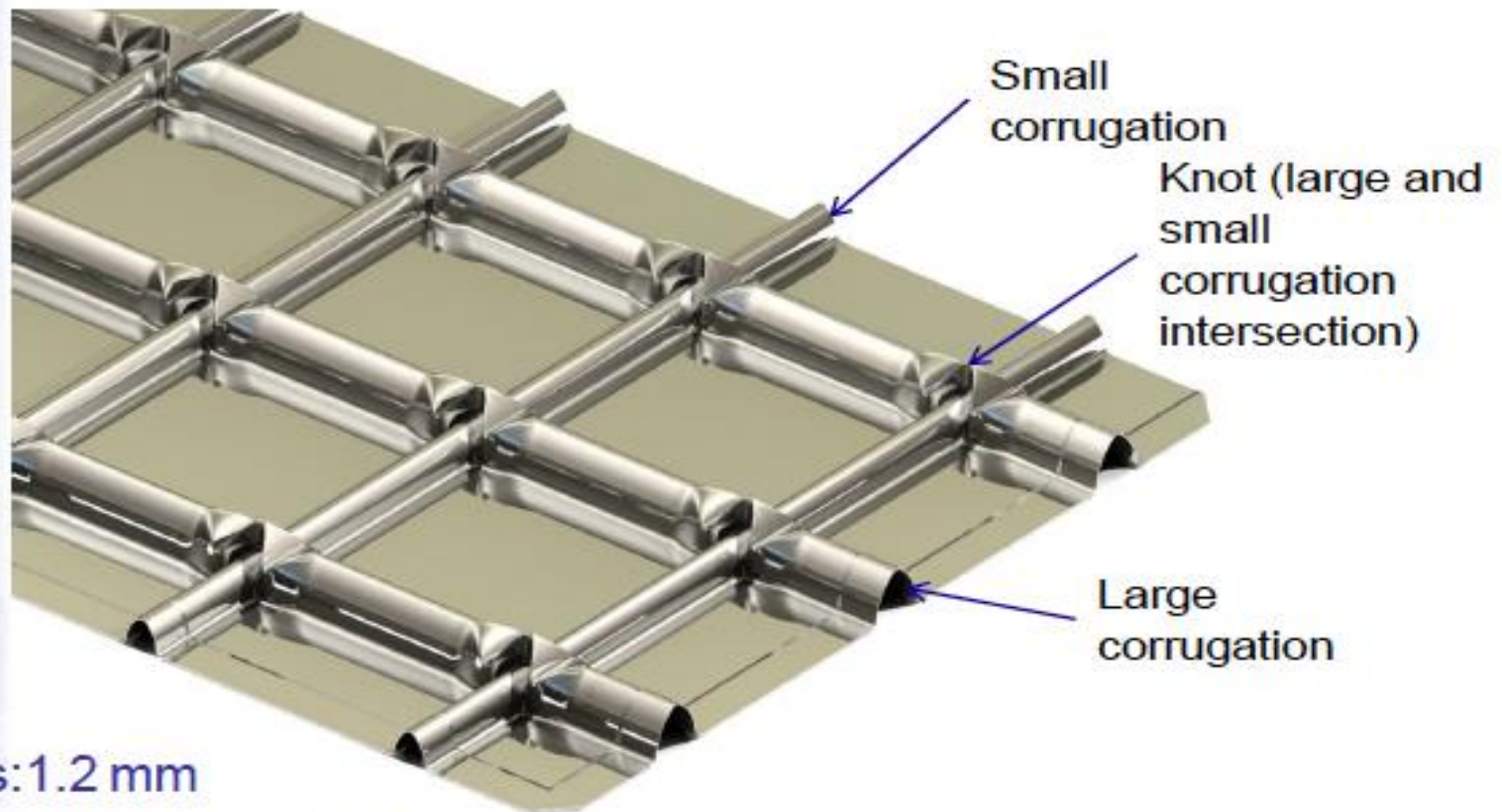
19.196m





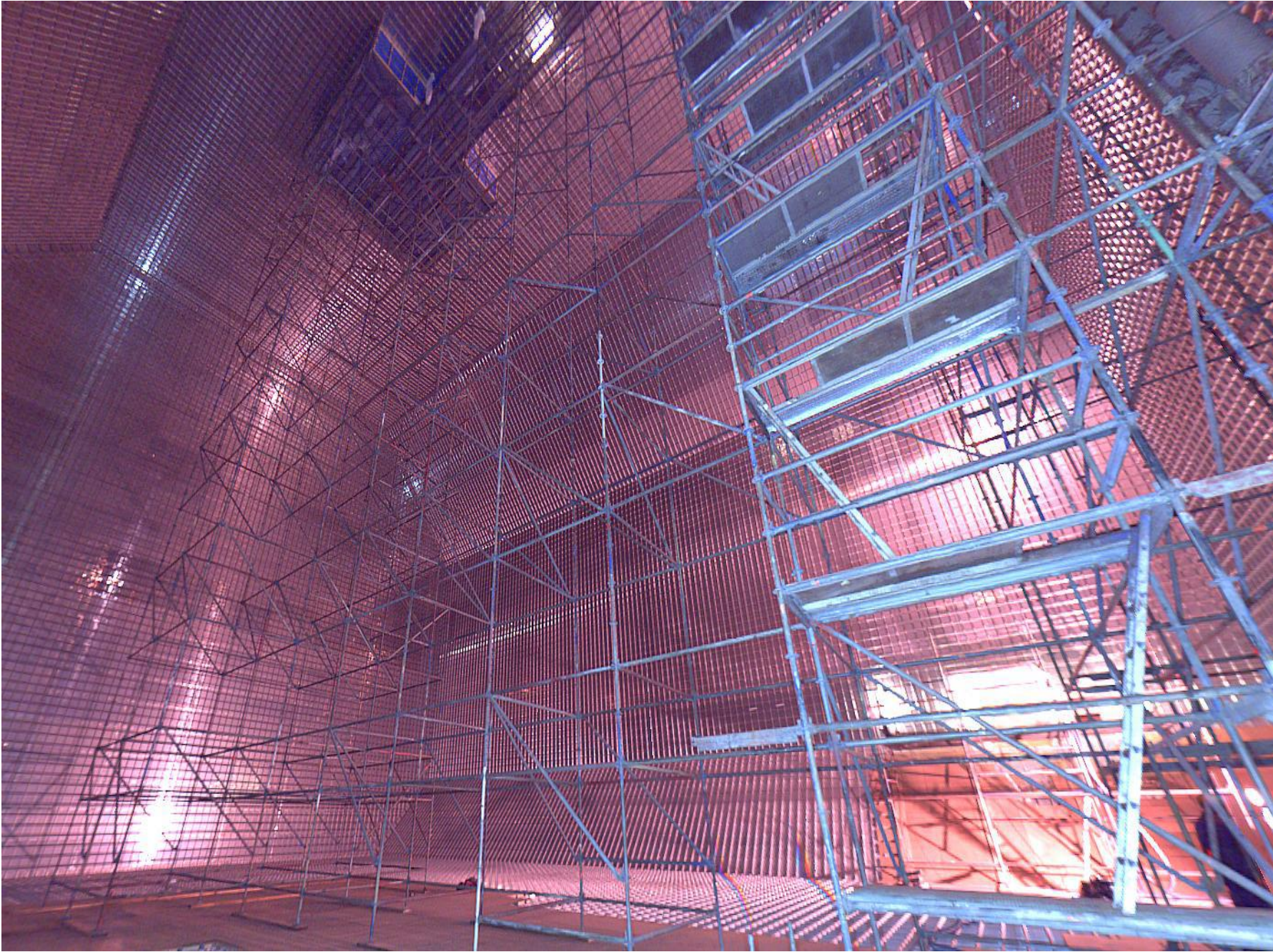
- ① Stainless steel primary membrane
- ② Plywood board
- ③ Reinforced polyurethane foam
- ④ Secondary barrier
- ⑤ Reinforced polyurethane foam
- ⑥ Plywood board
- ⑦ Bearing mastic
- ⑧ Steel structure with moisture barrier

## The corrugated stainless steel primary barrier:



– Thickness: 1.2 mm

– Material: Stainless steel 304L



# Status

- Nothing new and different from the LBNE proposal
- Experience with the 35tons prototype and now at CERN with the 182 WA105 prototype
- CERN activities in contact with the French firm GTT
- Last week we agreed on a frame contract with GTT for the future :
  - engineering GTT
  - GTT produce parts list
  - CERN subcontract one GTT licensee for the material procurement
  - CERN subcontract one GTT outfitter for installation, welding and tests

# Points to clarify

- Insulation thickness
- Second barrier closure
- Feed-through details (roof)
- Access for installation
- Assembly scenario and sharing of responsibilities



