

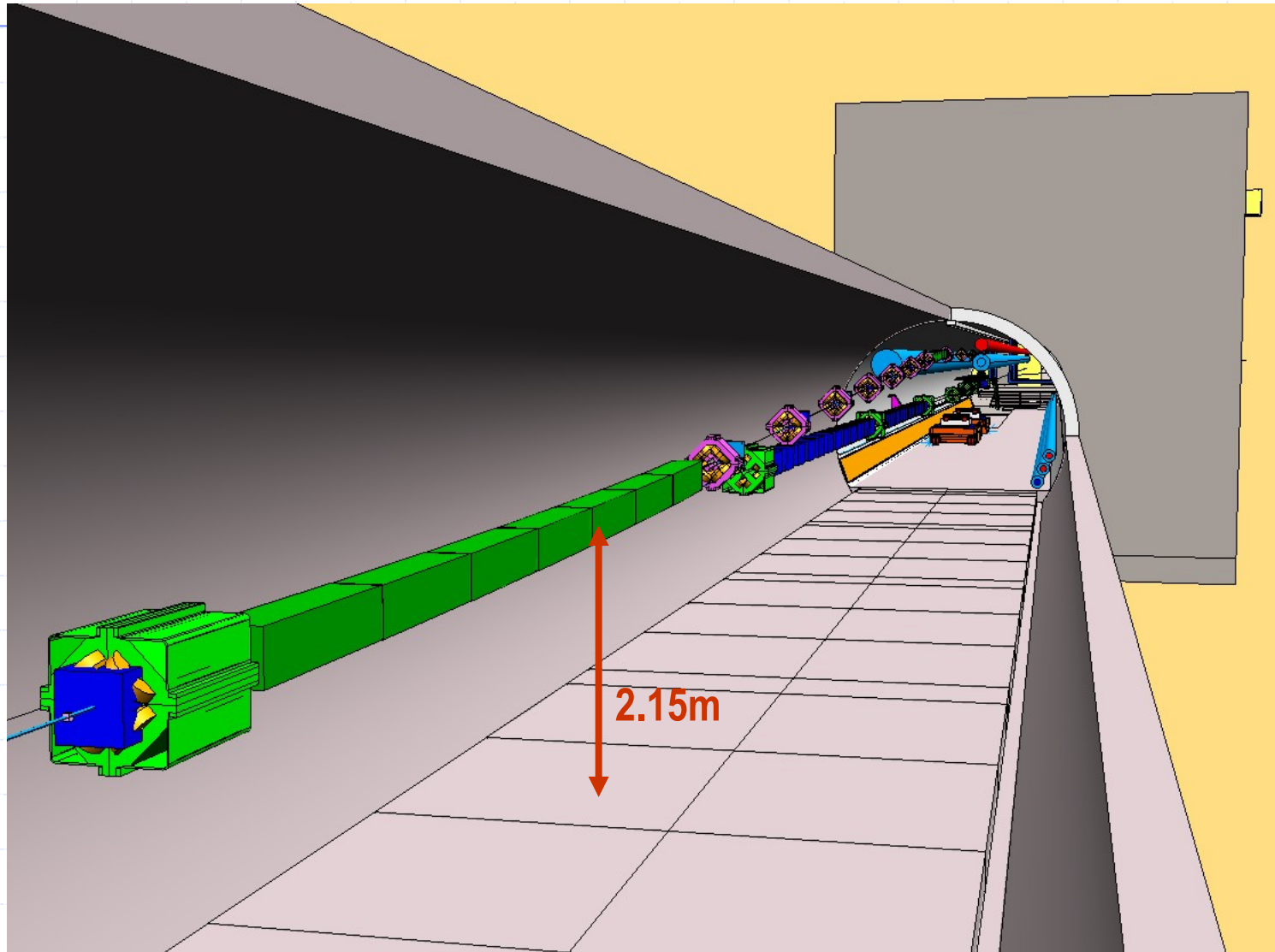
Post-LINAC Review

WP33 Transport/Installation Supports and Suspensions

- ◆ Overview
- ◆ Support and Suspensions
What we have!
- ◆ Installation Vehicle → (TEC Talk)

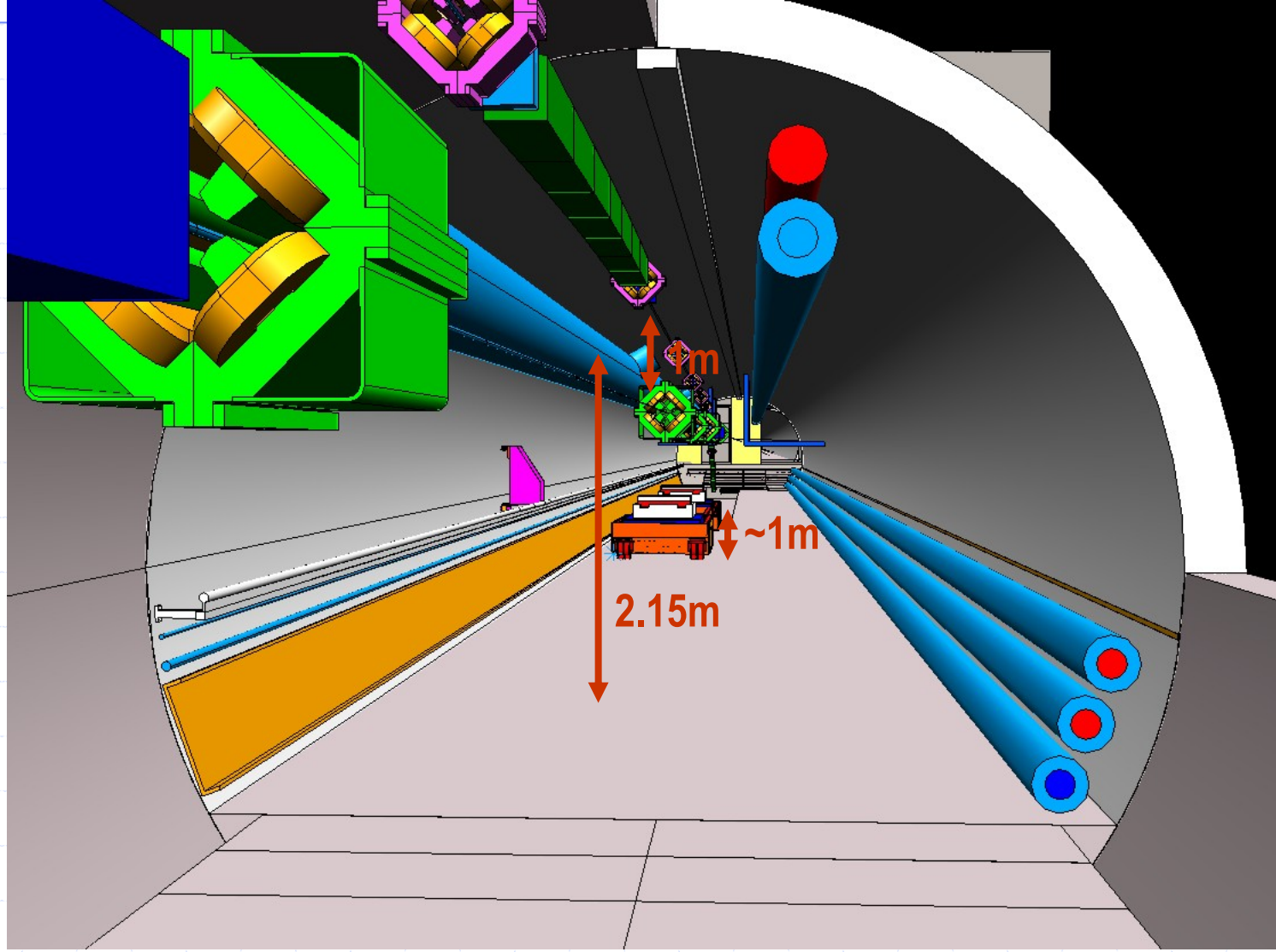
Post-LINAC Review

XTL



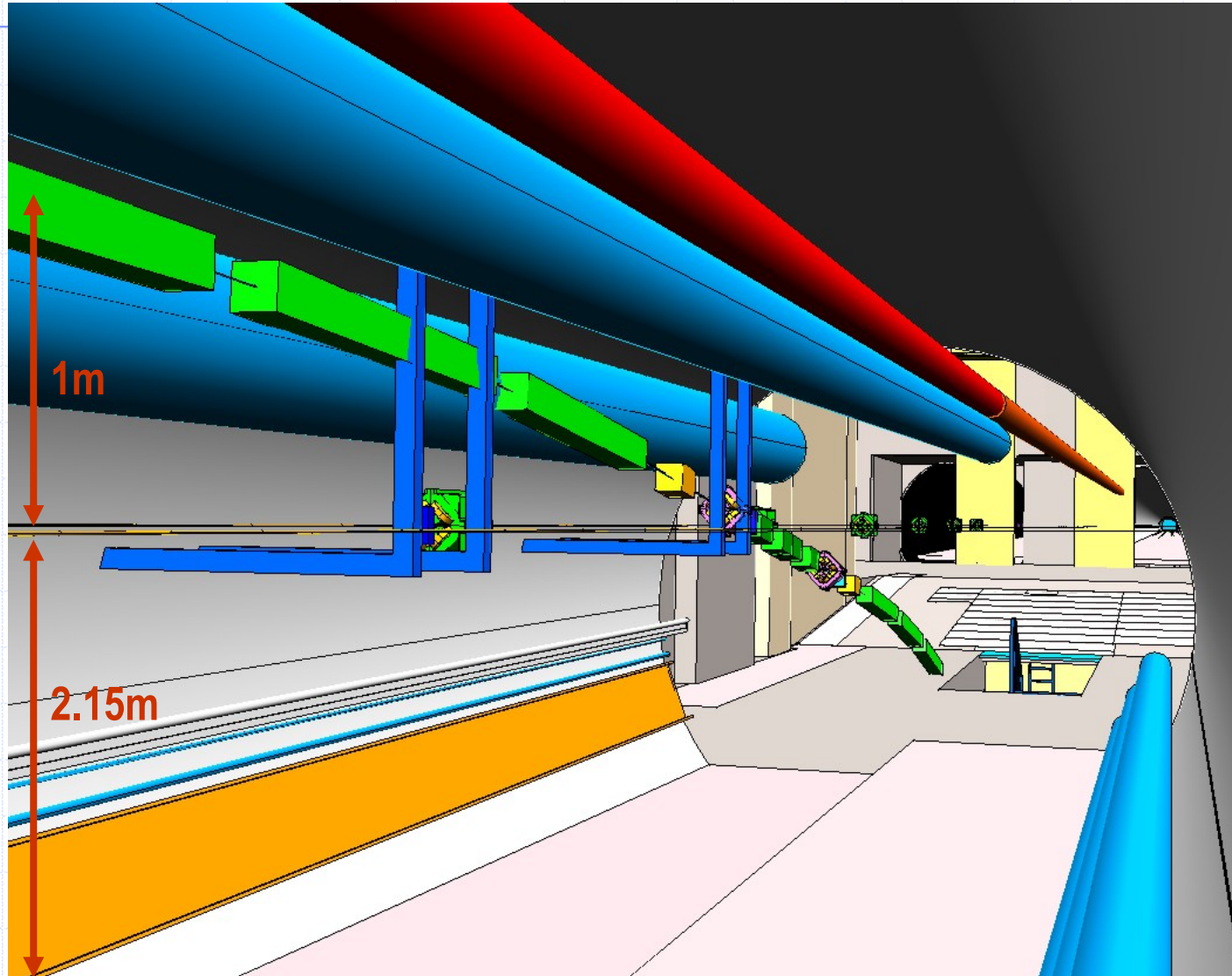
Post-LINAC Review

XTL

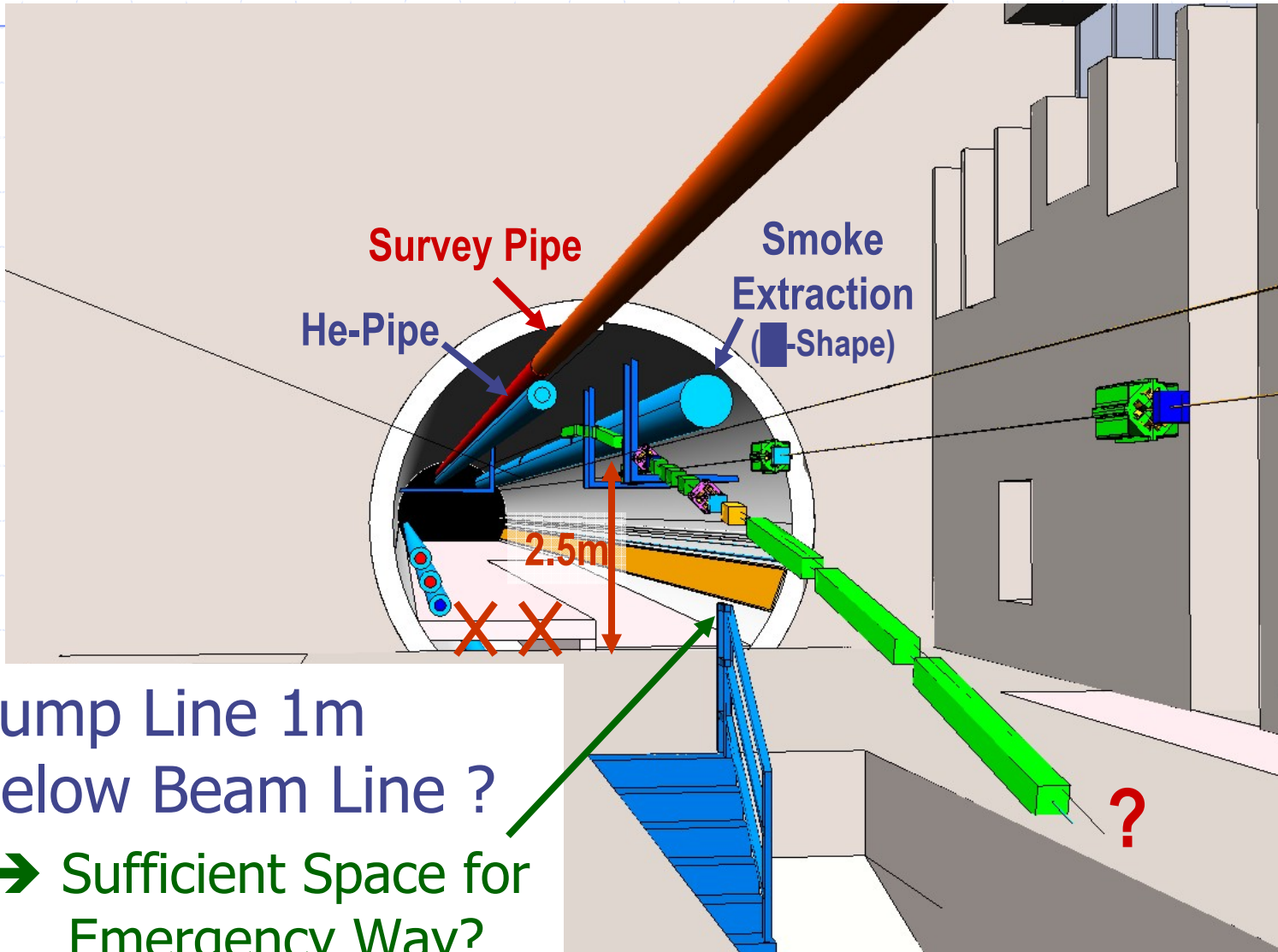


Post-LINAC Review

From XTL to XS1



From XS1 into XTL

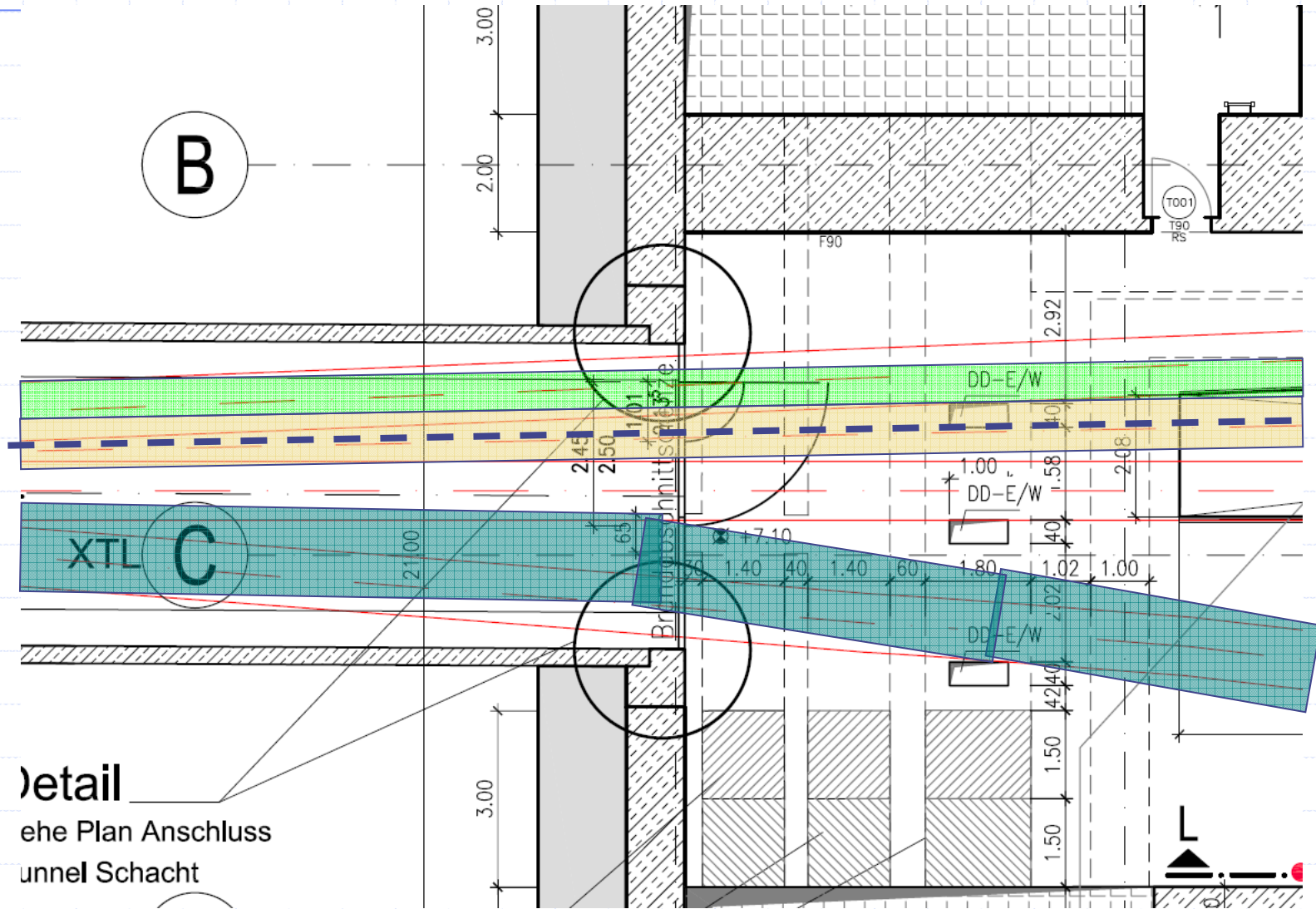


¿ Dump Line 1m below Beam Line ?

➔ Sufficient Space for Emergency Way?

Post-LINAC Review

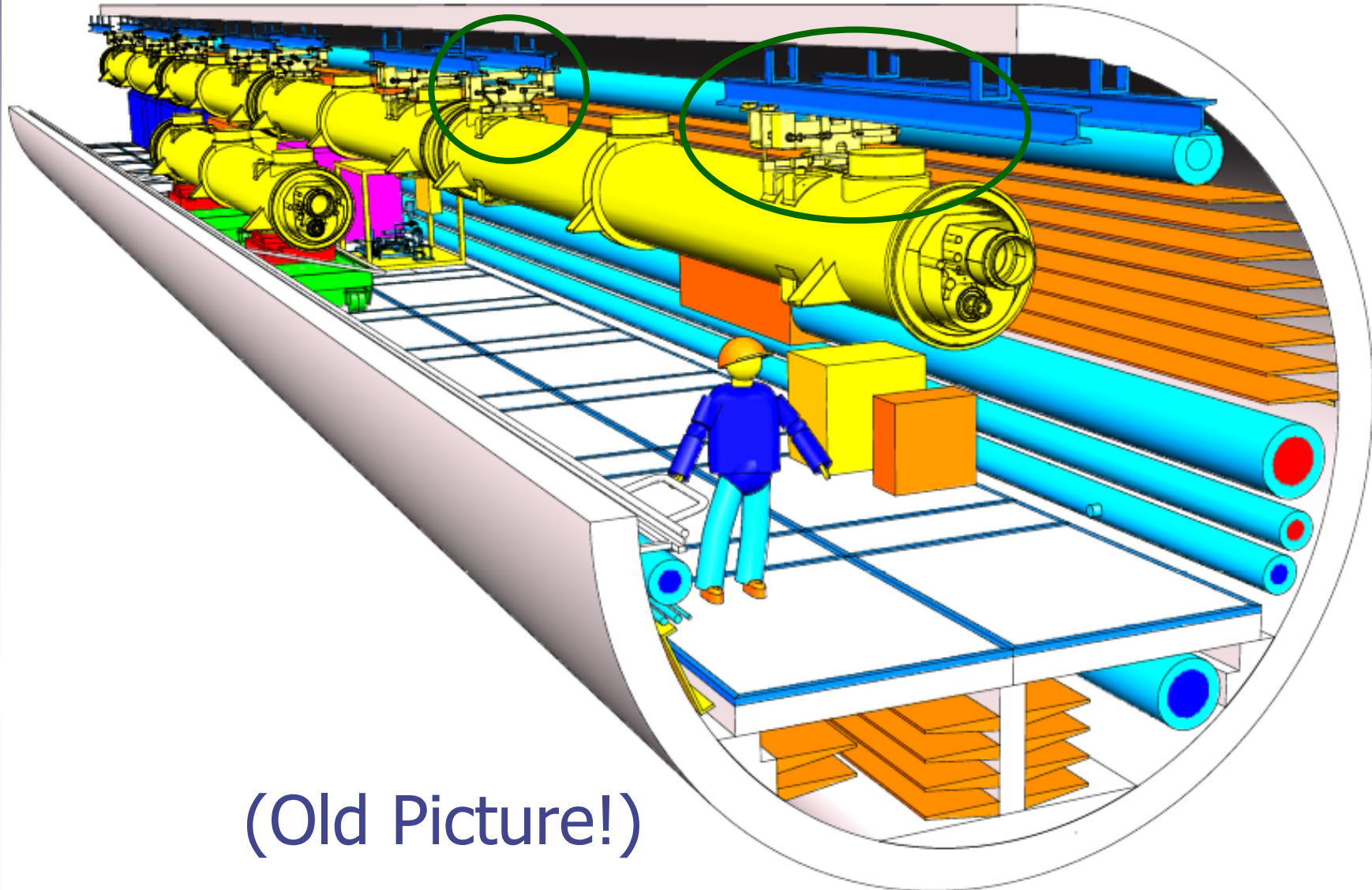
XTL/XS1 - Sufficient Space for Small Emergency Way South of Dump Beam Line?



Post-LINAC Review

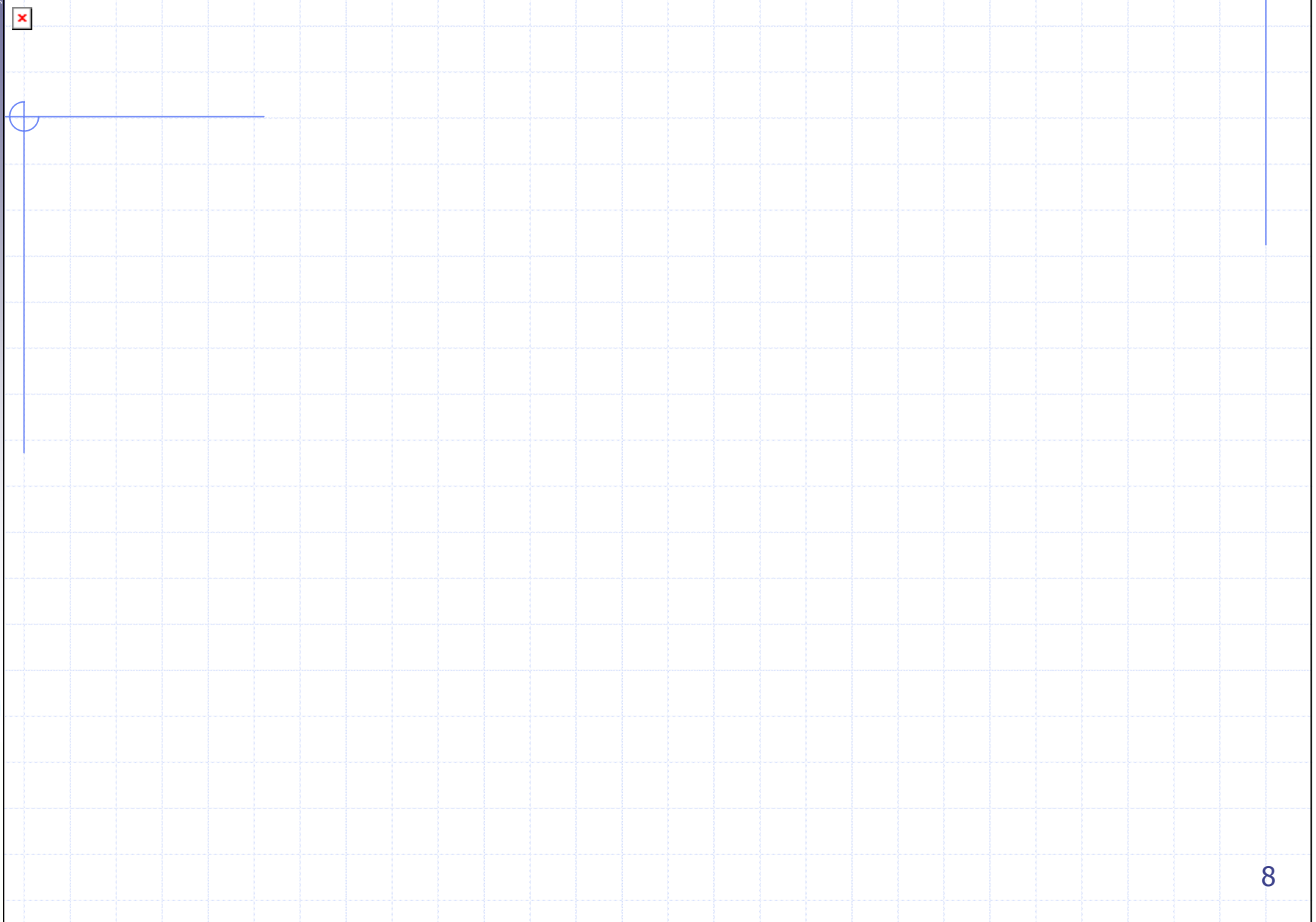
Supports and Suspensions

What we have already

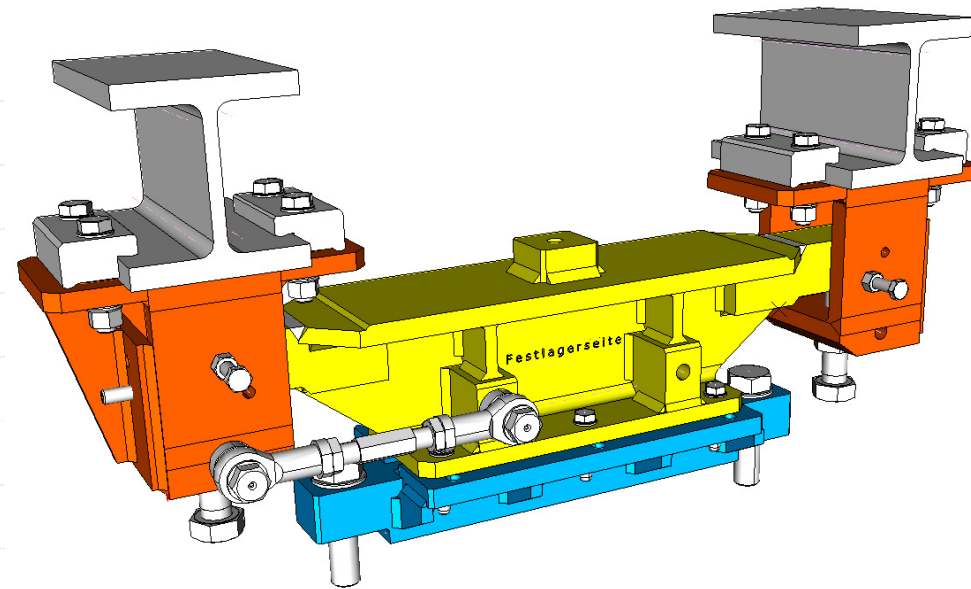
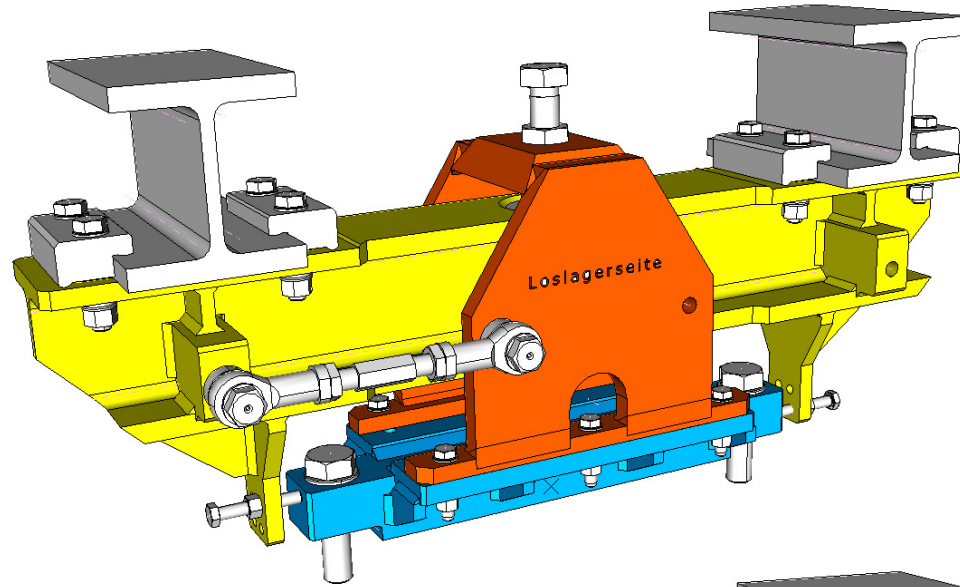


(Old Picture!)

Ceiling Interface

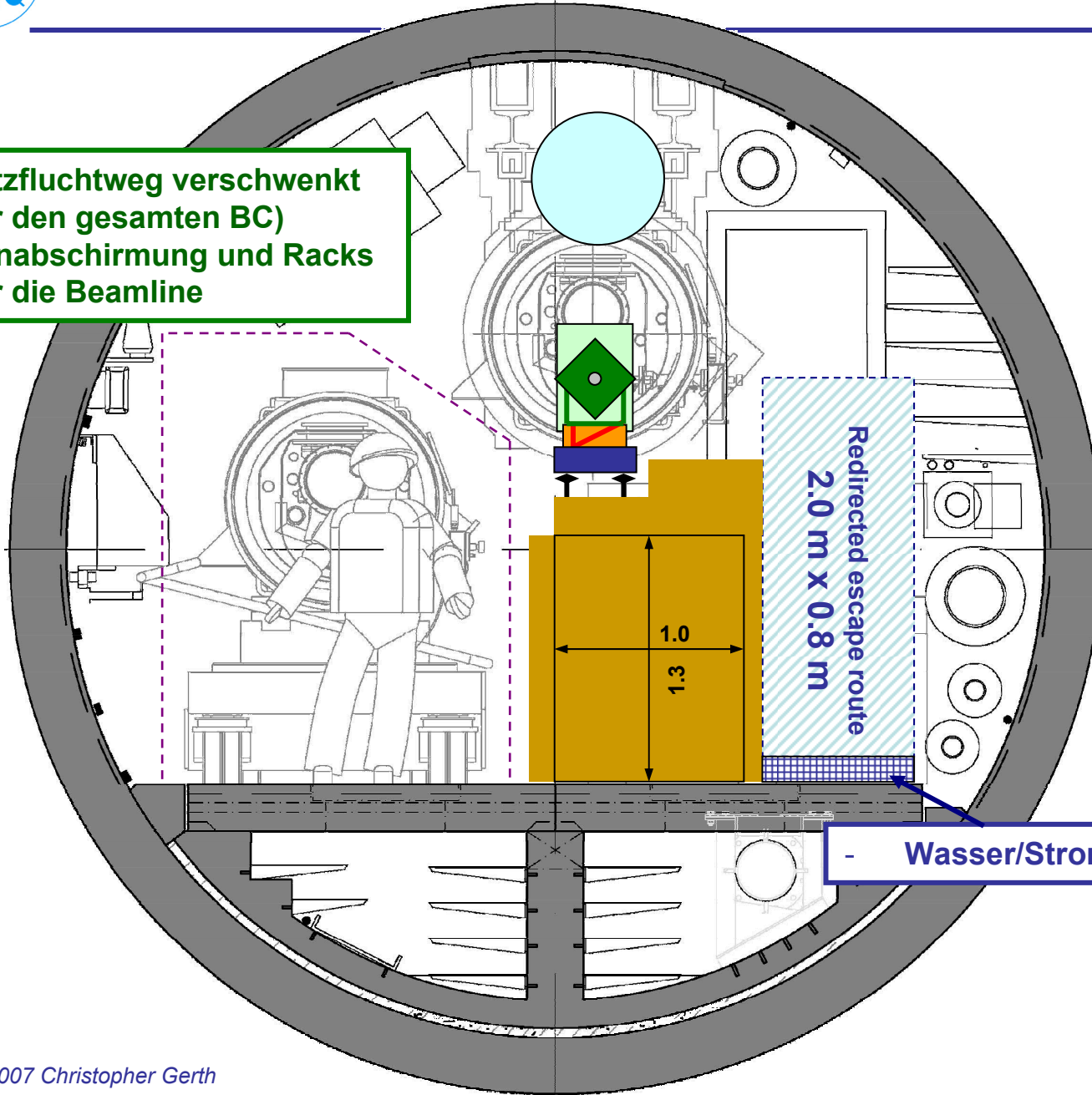


Module Suspension



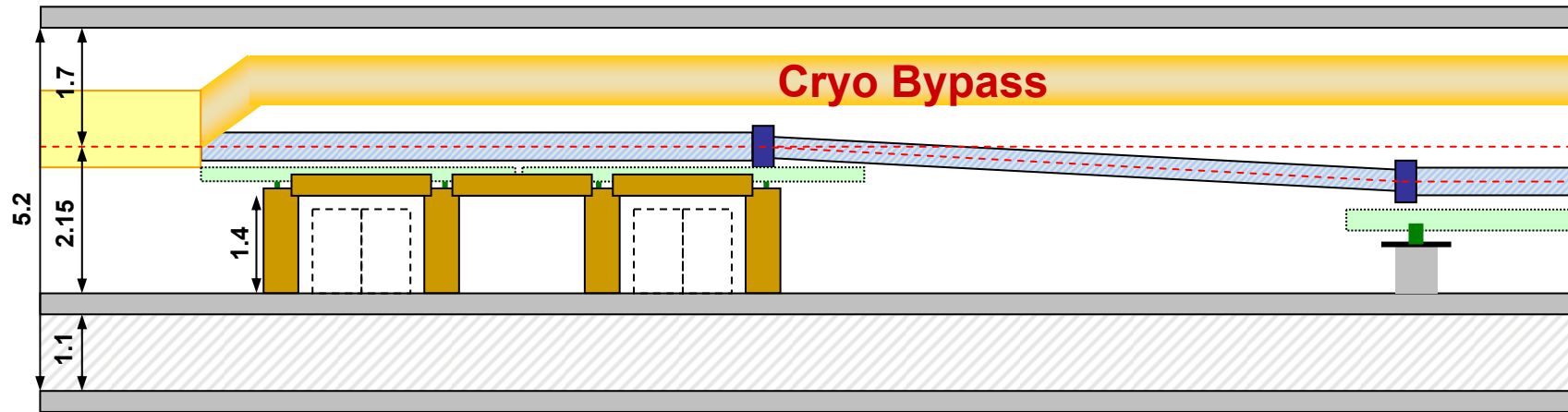
1. Baseline Layout BC Sections: XTL Cross section

- Ersatzfluchtweg verschwenkt (über den gesamten BC)
- Betonabschirmung und Racks unter die Beamline

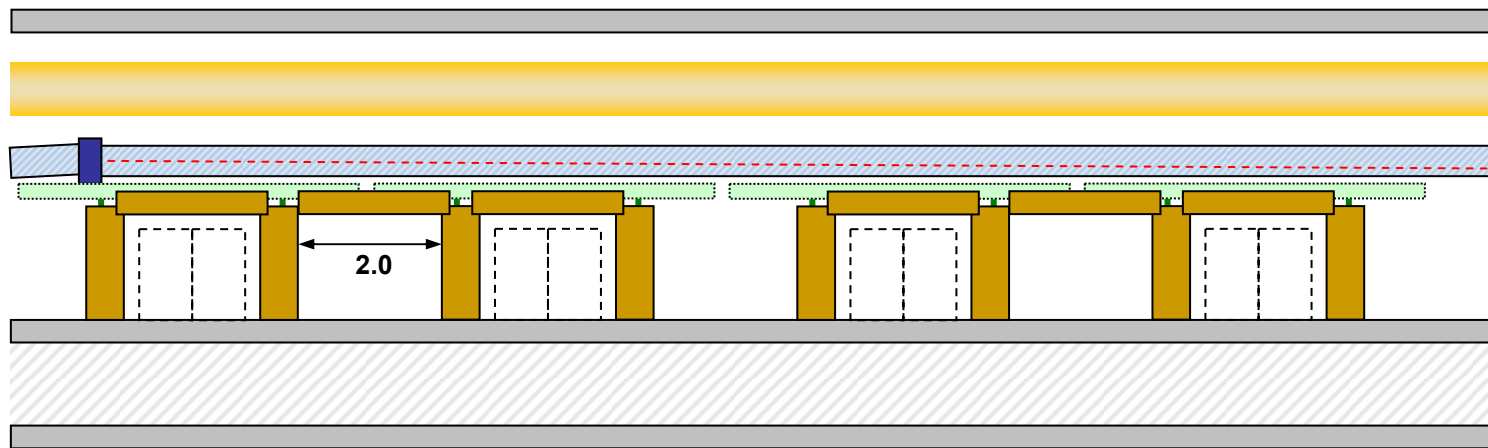


- Wasser/Strom-Versorgung

1. Baseline Layout BC Sections: Side view



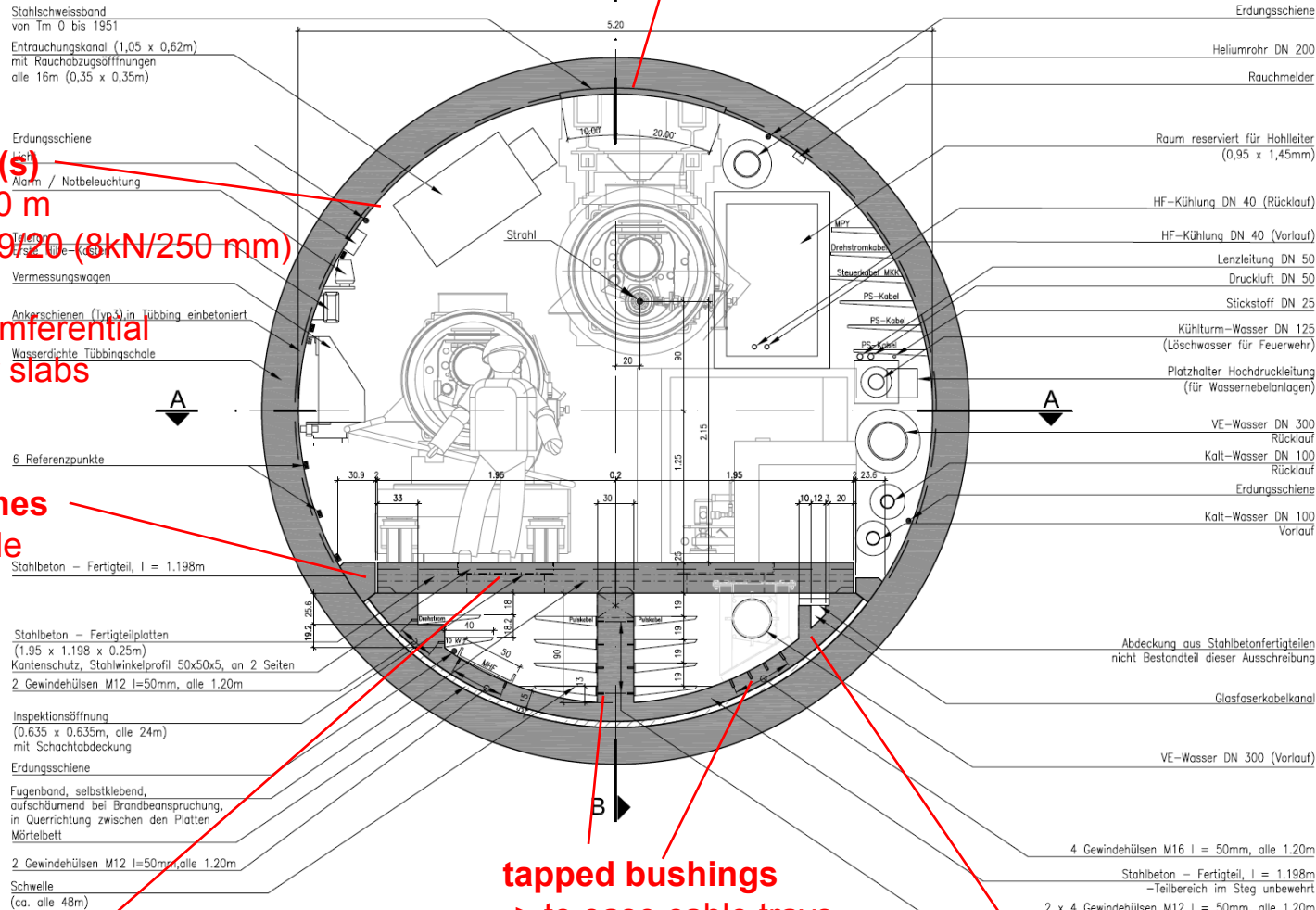
Konstruktionszeichnung Girder: G. Weichert



NOBERT MEYERS, WFS/MEAT

XTL Design - Update

Querschnitt XTL
Tunnelkilometrierung 0 bis 1951m
M 1:20



1 weld-on strip per ceiling tuebting (~ each 1.50 m)
-> simplifies module suspension

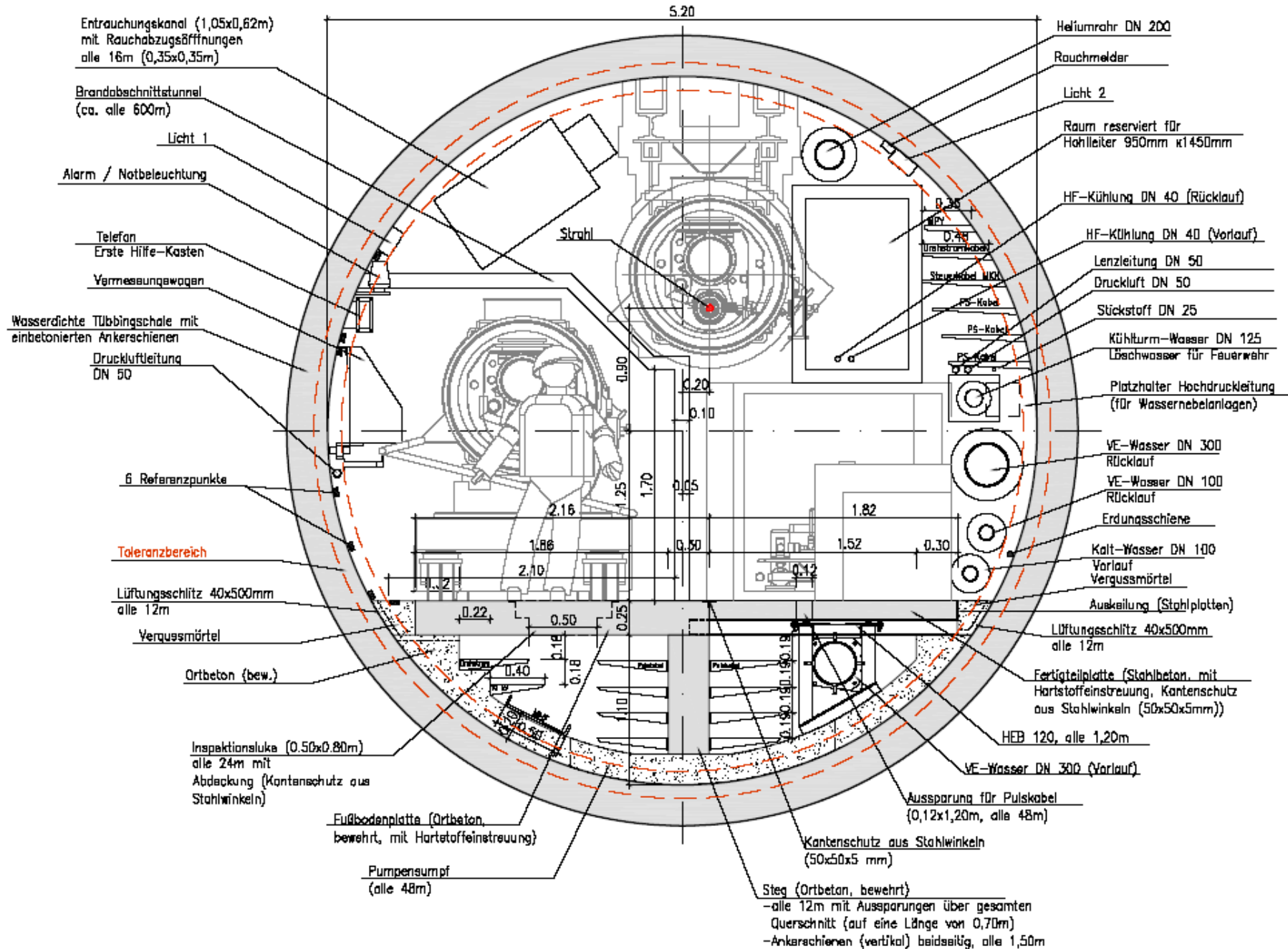
1 anchor bar(s)
-> each ~ 1.50 m
-> e.g. HZA 2920 (8kN/250 mm)
-> toothed
-> radial circumferential
above floor slabs

corner stones
-> removable

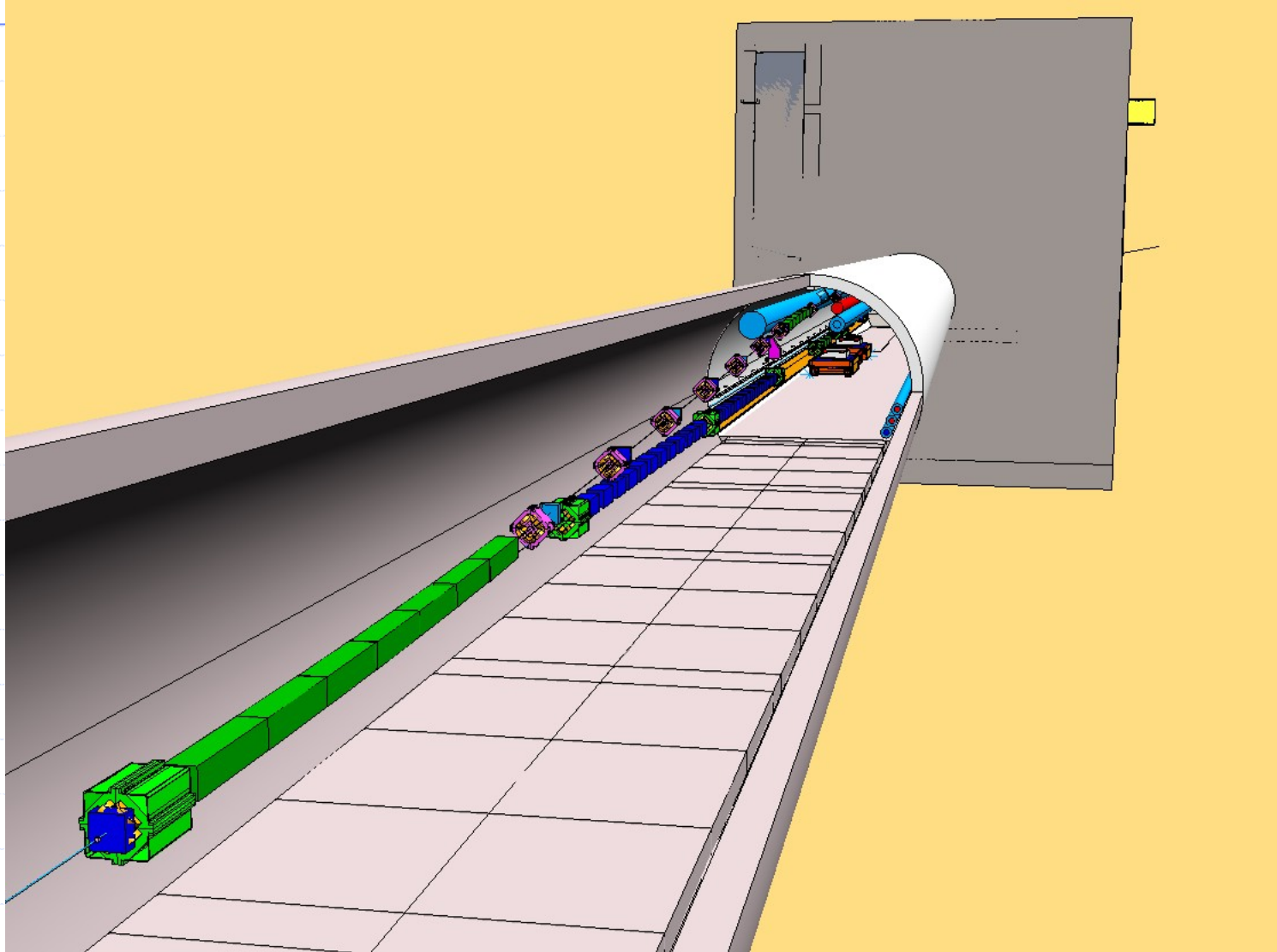
tapped bushings
-> to ease cable trays
& water pipes installation

pre-cast segments - 1.20 m long (Z)
-> high precision (± 0.2 mm)
-> radial gap is filled with injection mortar
-> longitudinally interlocked

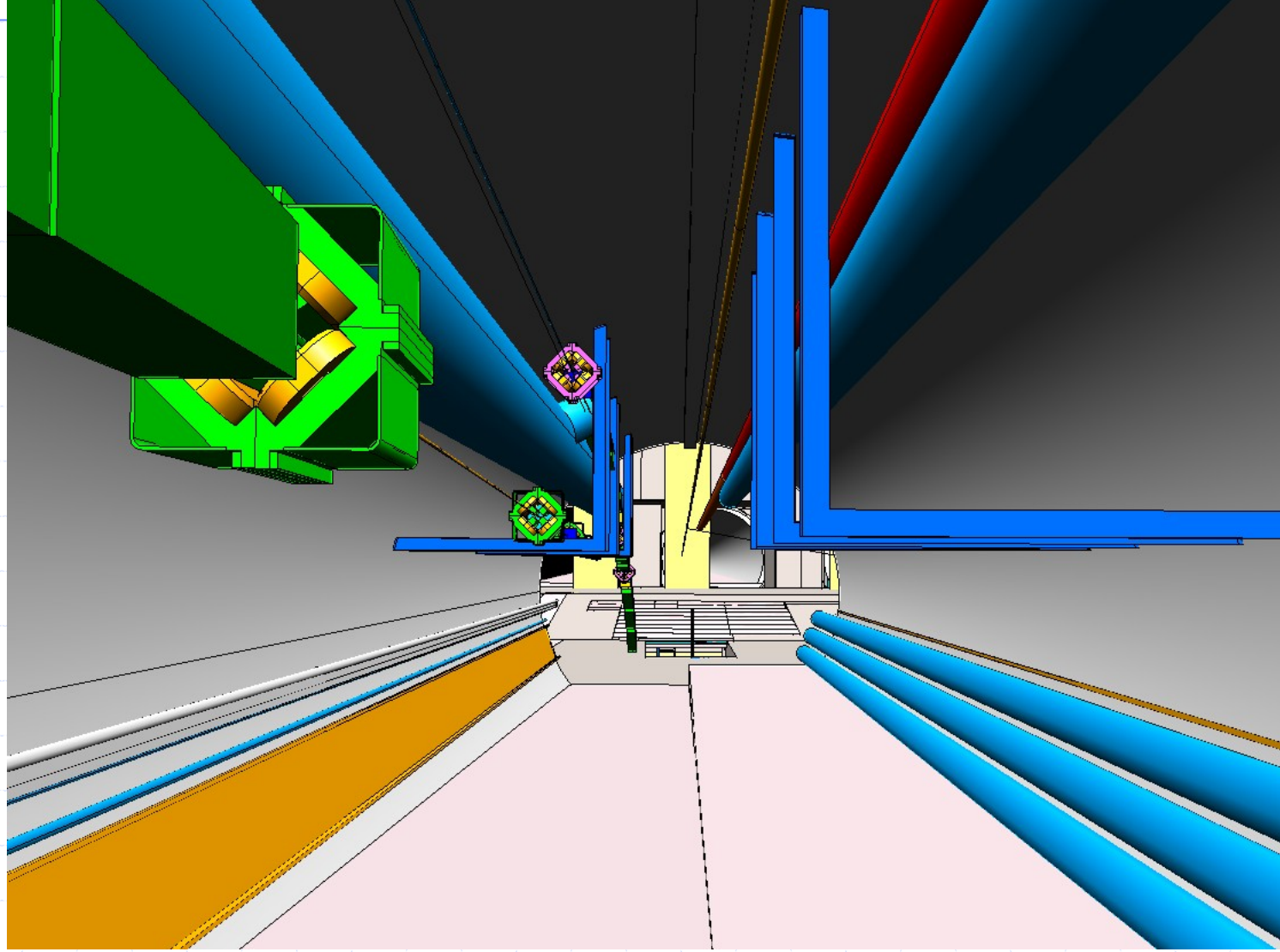
floor slabs: 1.20 x 1.95 x 0.25 m (Z x X x Y)
-> kept into position by 2 cones each



Post-LINAC Review



Post-LINAC Review



Post-LINAC Review

