



East Hall under construction - 1962

Planning : Focus on the Next 6 Months

B. Raë



ENGINEERING
DEPARTMENT



EAST AREA RENOVATION



Index

- Gantt : [EN-EA Planning SharePoint](#) (Updated weekly)

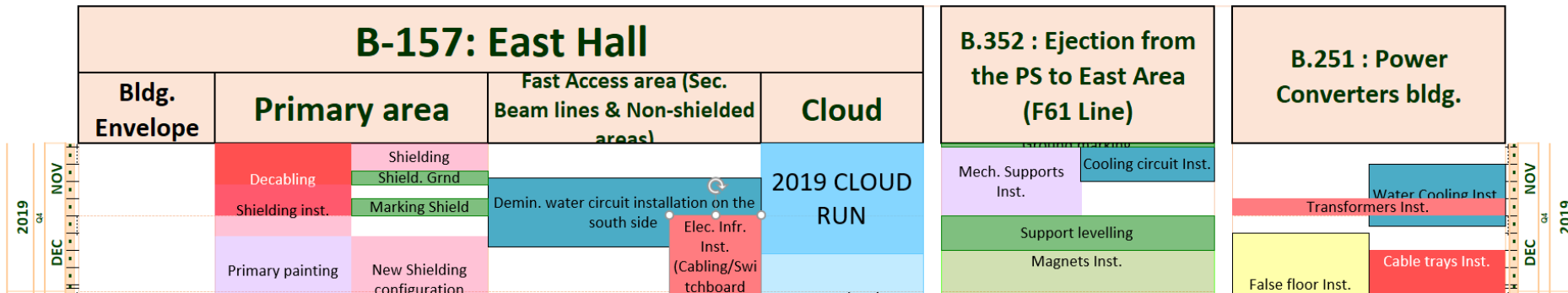


Important info :

- Bldg. Envelop : Not critical
- Primary Area : Critical path
- Secondary area : ~1month of slack available
- CLOUD Run = High coactivity
- B.352 :
 - No access after Oct. 2020 : No Slack
- B.251 : false floor delay create a High coactivity No slack.
- B.263 : OK

Warning :The WIC installation (in orange) cannot be advance → small time for power converters test

December 2019



B.157 :

- EN-EA : Shielding installation of the primary area, until 09/12
- EN-EA : Shielding installation of the mixed, from 10/12 to 13/01
- SMB-SE : Ground Painting primary area, from 10/12 to 06.01
- EN-EL : Electrical infrastructure installation, from 02/12 to 11/09

Cloud :

- Cloud : Cleaning after Run (control room included), from 17/12 to 21/01

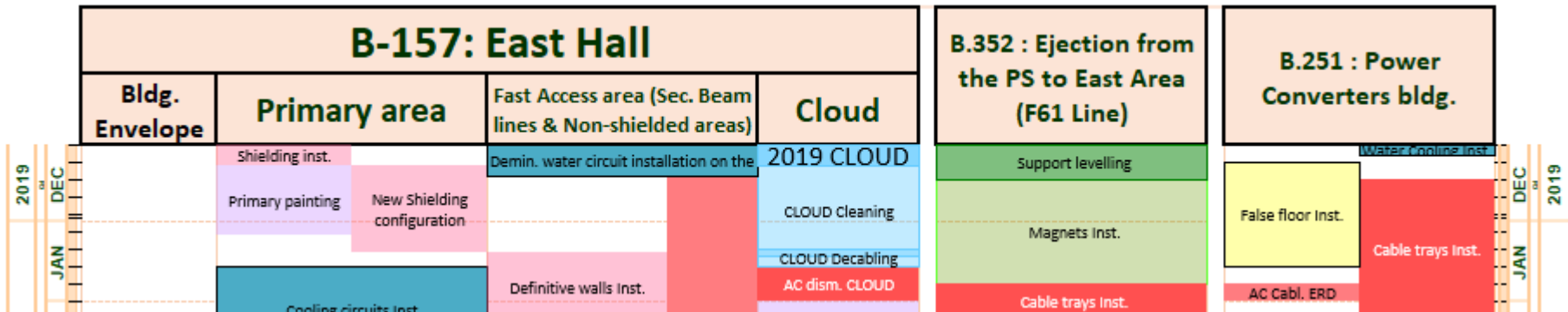
B.251 :

- EN-EA : False floor installation 1st phase, from 09/12 to 17/01
- EN-EL : Cable Trays installation, from 16/12 to 07/02

B.352 :

- EN-SMM : Support leveling, from 02/12 to 13/12
- TE-MS : Magnets installation, from 16/12 to 24/01

January 2020



B.157 :

- EN-CV : Cooling circuit installation, from 20/01 to 21/02
- EN-EA : installation shielding of secondary area, from 14/01 to 10/02

Cloud:

- Cloud : Decabling signal cables, from 20/01 to 24/01
- EN-EL : Dismantling AC distribution CLOUD + control room, from 27/01 to 07/02

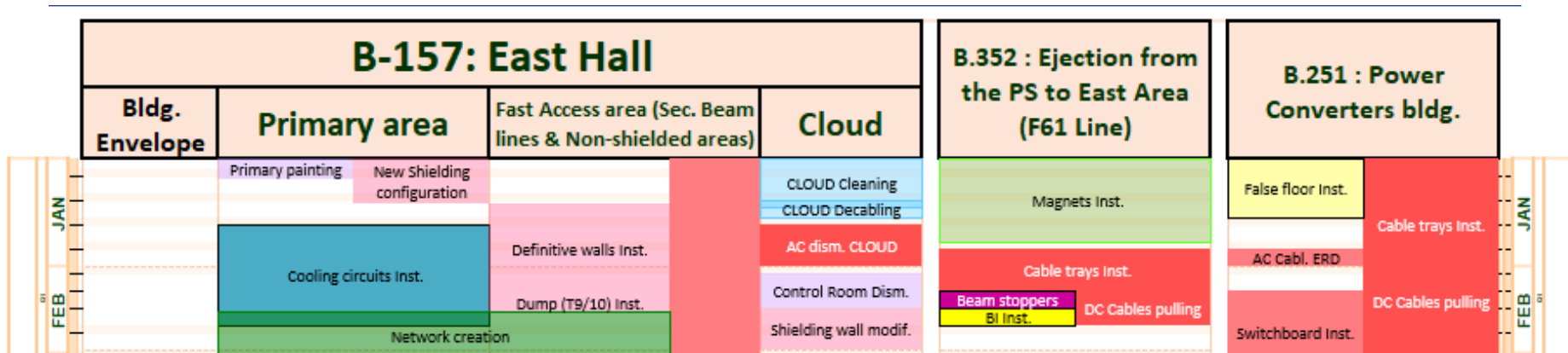
B.251 :

- EN-EL : 18kV cables pulling and terminals in b.251, from 27/01 to 31/01

B.352 :

- EN-EL : Cable tray installation, from 27/01 to 07/02

February 2020



B.157 :

- EN-EA : Dump installation in secondary area, from 11/02 to 17/02
- EN-SMM : Network creation in secondary area, from 18/02 to 02/03

Cloud :

- EN-EA : Cloud Control room dismantling, from 10/02 to 21/02
- EN-EA : Cloud Shielding Re-configuration, from 24/02 to 06/03

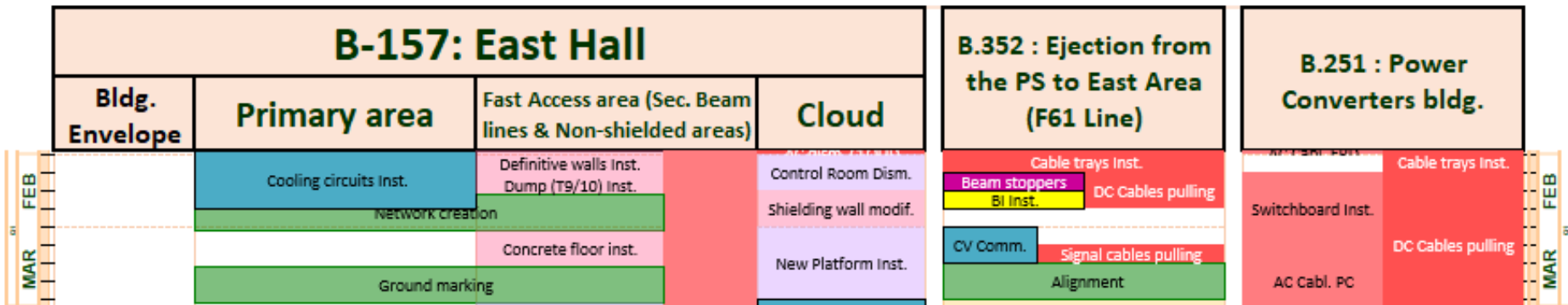
B.352:

- EN-EL : Cabling of DC cable 352 + manchon, from 10/02 to 21/02
- EN-STI : Beam stoppers installation, from 10/02 to 14/02
- BE-BI : Beam instrumentation installation, from 17/02 to 21/02

B.251 :

- EN-EL : Switchboard installation, from 10/02 to 06/03
- EN-EL : Cabling of new DC Cabling at 251 (including all manchons), from 10/02 to 03/04

March 2020



B.157 :

- EN-EA : Concrete floor installation in secondary area, from 03/03 to 16/03
- EN-SMM : Ground marking in the secondary area, from 17/03 to 30/03
- Cloud : Installation of the new platform (T10 Side around the chamber), from 09/03 to 03/04

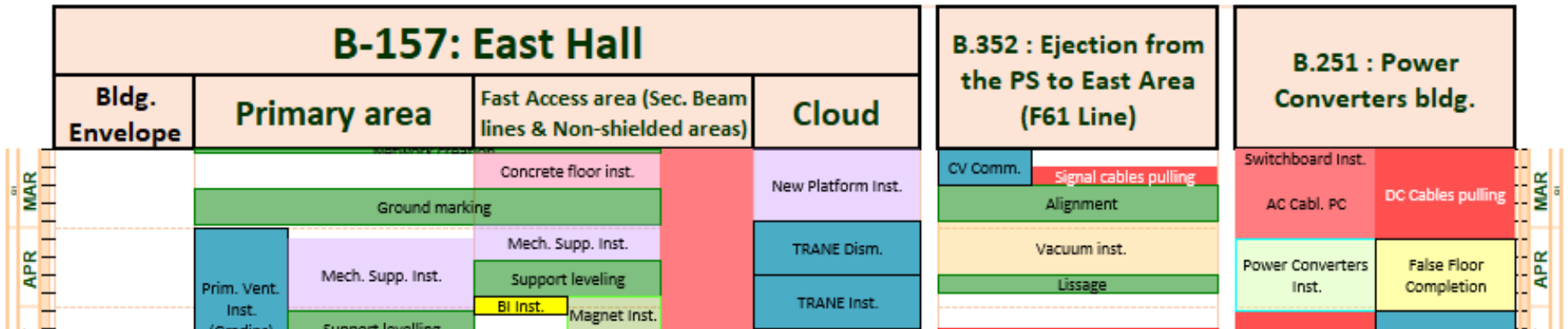
B.352 :

- EN-EL : Cabling of new interlock cables between 352-251 and new signal up to APRON room, from 09/03 to 13/03
- EN-CV : Commission the Demineralized Cooling Circuits, from 02/03 to 13/03
- EN-SMM : Alignment B352, from 16/03 to 27/03

B.251

- EN-EL : AC cable pulling for TE-EPC converters, from 09/03 to 03/04

April 2020



B.157 :

- EN-CV : Install the Ventilation Primary Area, from 01/04 to 02/06
- EN-EA : Mechanical supports installation, from 31/03 to 01/05
- EN-SMM : Support levelling in the secondary area, from 14/04 to 27/04
- BE-BI : Install the Beam instrumentation Secondary Beam Area, from 28/04 to 04/05
- TE-MS : Magnets installation, from 28/04 to 11/05
- EN-CV : Dismantling and installation of the TRANE, from 06/04 to 15/05

B.352 :

- EN-EA : Vacuum installation, from 30/03 to 17/04
- EN-SMM : Lissage, from 20/04 to 24/04

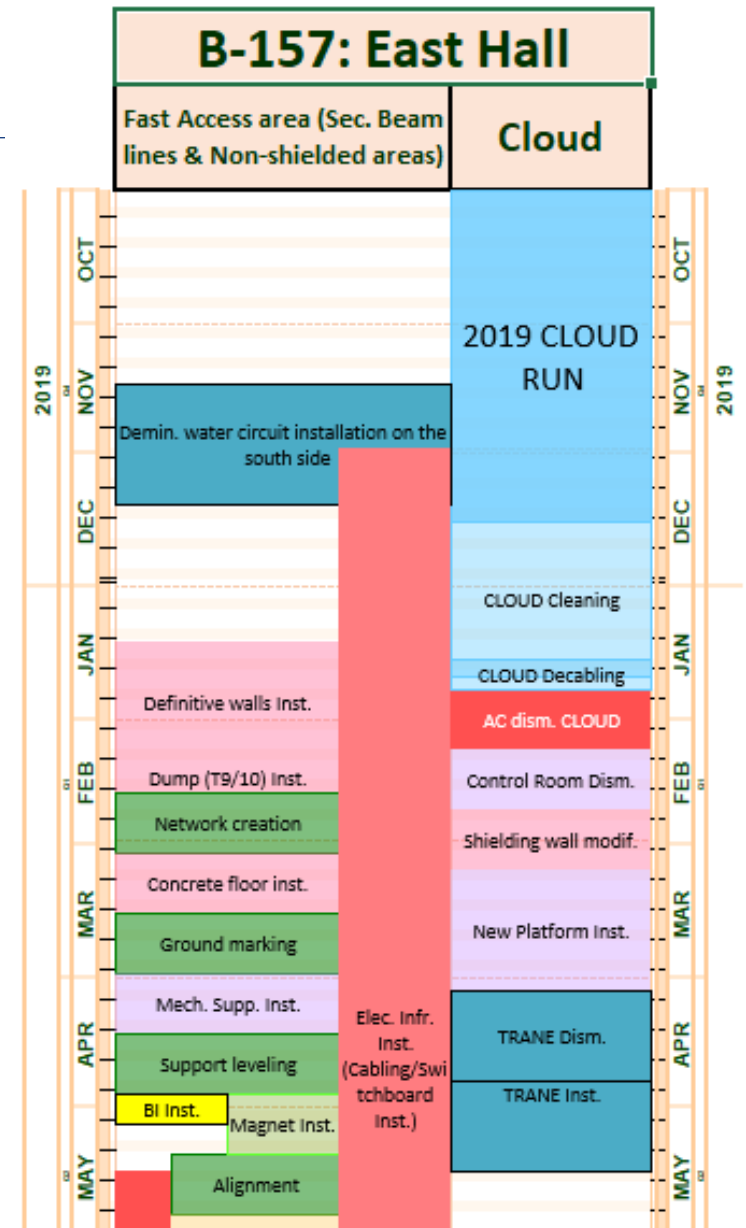
B.251 :

- TE-EPC: Install the Power Converters, from 06/04 to 01/05
- EN-EA : Completion of the false floor installation, from 06/04 to 01/05

Cloud works

- Cloud finish their run on the 17.12
- To avoid coactivity a sequence of works has been define with cloud and different groups.
- The planning is very tight and the resource are well engaged in the Fast access area.
- **Critical in term of resource and cranes**

| Task Name | Groups | Start | Finish |
|--|--------|--------------|--------------|
| Completion of CLOUD Run and removal (Include CR Cleaning) | CLOUD | Tue 17.12.19 | Tue 21.01.20 |
| Electrical Lock-out of T11 (CR + EA) | EN-EL | Wed 22.01.20 | Wed 22.01.20 |
| Removal of CLOUD signal cables | CLOUD | Mon 20.01.20 | Fri 24.01.20 |
| Dismantle the AC Distribution CLOUD area + Control Room | EN-EL | Mon 27.01.20 | Fri 07.02.20 |
| CLOUD Control room dismantling | EN-EA | Mon 10.02.20 | Fri 21.02.20 |
| Re-configure the shielding of CLOUD Area (T10 Side) | EN-EA | Mon 24.02.20 | Fri 06.03.20 |
| Installation of the new platform (T10 Side around the chamber) | CLOUD | Mon 09.03.20 | Fri 03.04.20 |
| Dismantling of the TRANE | EN-CV | Mon 06.04.20 | Fri 24.04.20 |
| Installation of the TRANE | EN-CV | Mon 27.04.20 | Fri 15.05.20 |
| Re-configure the shielding of CLOUD Area (Control Room side) | EN-EA | Mon 08.06.20 | Fri 12.06.20 |
| Installation of the new platform for Huber | CLOUD | Mon 15.06.20 | Fri 26.06.20 |
| Installation Control Room CLOUD | EN-EA | Mon 13.07.20 | Fri 17.07.20 |



Commissioning planning

Important info :

- Beam Commissioning in EA : **Apr 2021**
- B.352 (PS) (~1 month slack):
 - **WIC installation arriving late in the project**
 - **HW test after the PS CLOSED**
 - **Will have to organize closely the test with BE-OP-PS**
- B.251 : Has to anticipate power converter commissioning to perform HW test.

| Task Name | Groups | Duration | Start | Finish |
|---|--------|----------------|---------------------|---------------------|
| Individual tests in b.352 | | 81 days | Mon 02.03.20 | Mon 22.06.20 |
| Commission the Magnets in b.352 (Individual tests) | TE-MSC | 3 wks | Tue 02.06.20 | Mon 22.06.20 |
| Commissioning of vacuum system in b.352 | EN-EA | 1 wk | Mon 27.04.20 | Fri 01.05.20 |
| Commissioning of the Beam instrumentation in b.352 | BE-BI | 2 wks | Mon 27.04.20 | Fri 08.05.20 |
| Commission the Beam stoppers in b.352 | EN-STI | 1 wk | Mon 27.04.20 | Fri 01.05.20 |
| Commission the Demin Cooling Circuits b.352 (Require dummy loads) - Phase 1 | EN-CV | 2 wks | Mon 02.03.20 | Fri 13.03.20 |
| HW Tests in b.352 | | 20 days | Thu 08.10.20 | Wed 04.11.20 |
| Commission the WIC in b.352 | TE-MPE | 1 wk | Thu 08.10.20 | Wed 14.10.20 |
| Power converters HW test | TE-EPC | 3 wks | Thu 15.10.20 | Wed 04.11.20 |
| Magnet Commissioning HW | TE-MSC | 1 wk | Thu 22.10.20 | Wed 28.10.20 |
| DC Circuit tests in B.352 | EN-EA | 2 wks | Thu 08.10.20 | Wed 21.10.20 |



Summary

By area :

- B.157 :
 - Heavy work on the primary/mixed area.
 - No major issues foreseen
 - Cloud sequence has to be follow to avoid unnecessary coactivity (1 week slack on the sequence)
- B.352 : Good progress (slack ~1 month). **HW Commissioning issue to be solve**
- B.251 : very critical (no slack). To be very careful with coactivity and commissioning

Thanks for your attention !



EAST AREA RENOVATION