

*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)

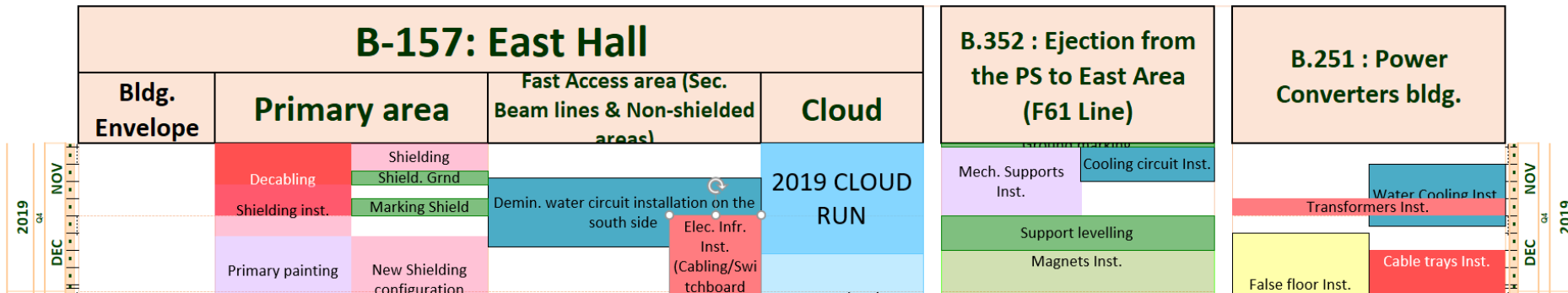


## Important info :

- 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



Important dates :

Cloud :

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

B.251 :

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

Others :

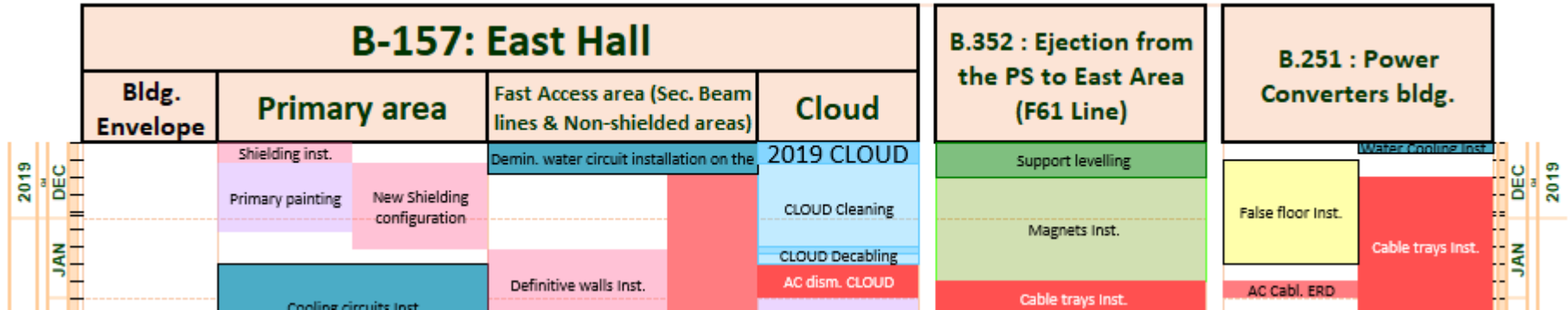
B.157 :

- 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

B.352 :

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

# January 2020



## 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

Others:

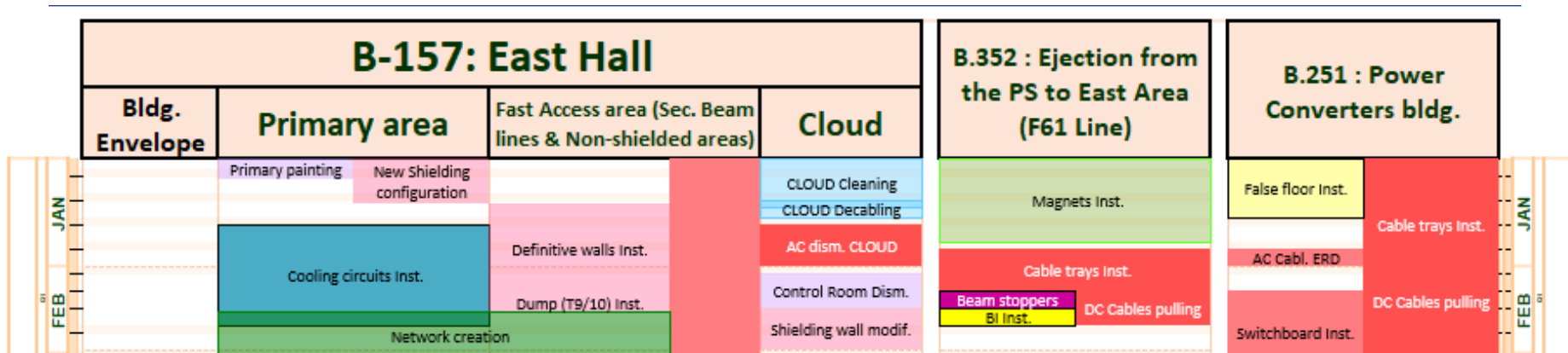
B.157 :

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

B.352 :

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

# February 2020



## 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

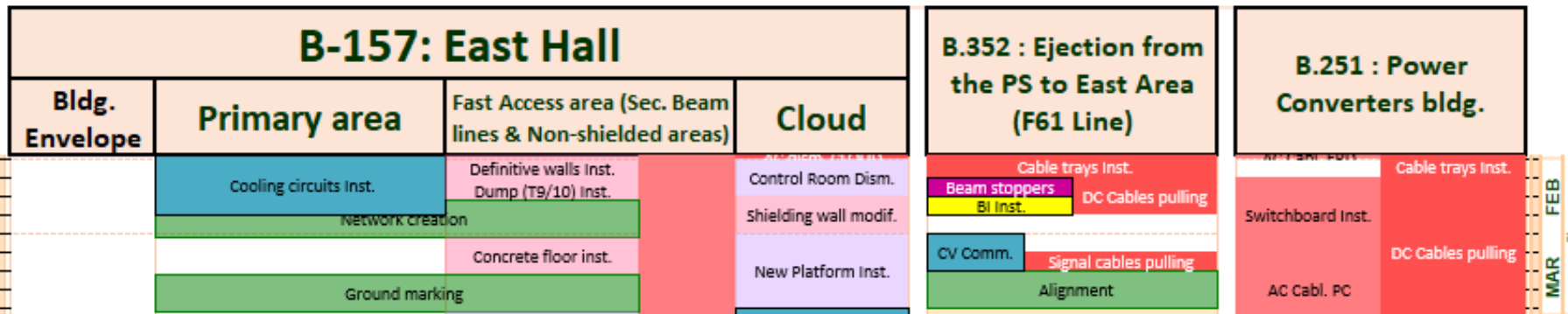
## B.352:

- EN-EL : Cabling of DC cable 352 + manchon, from 10/02 to 21/02

## Others:

- 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
- B.352 :
- 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.352 :

- EN-EL : Cabling of new interlock cables between 352-251 and new signal up to APRON room, from 09/03 to 13/03

## B.251

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

Others:

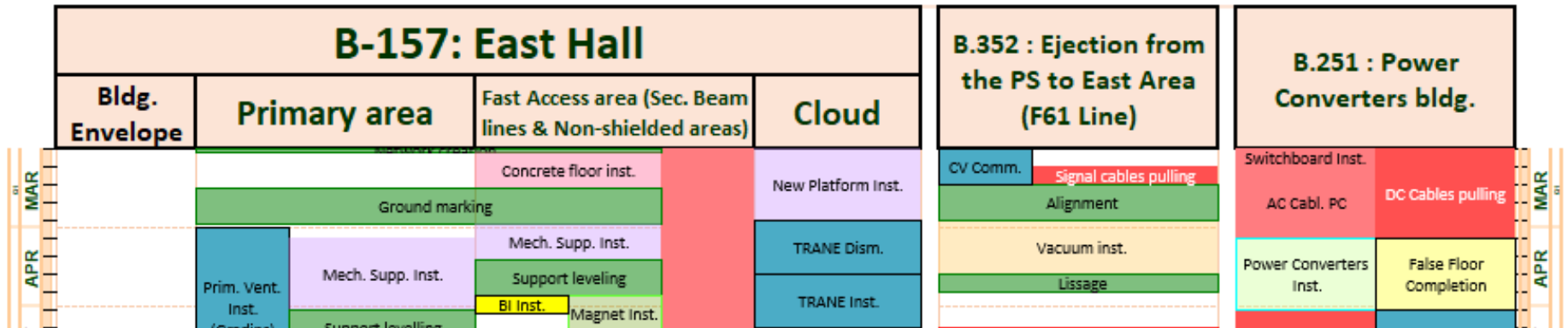
B.157 :

- 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-CV : Commission the Demineralized Cooling Circuits, from 02/03 to 13/03
- EN-SMM : Alignment B352, from 16/03 to 27/03

# April 2020



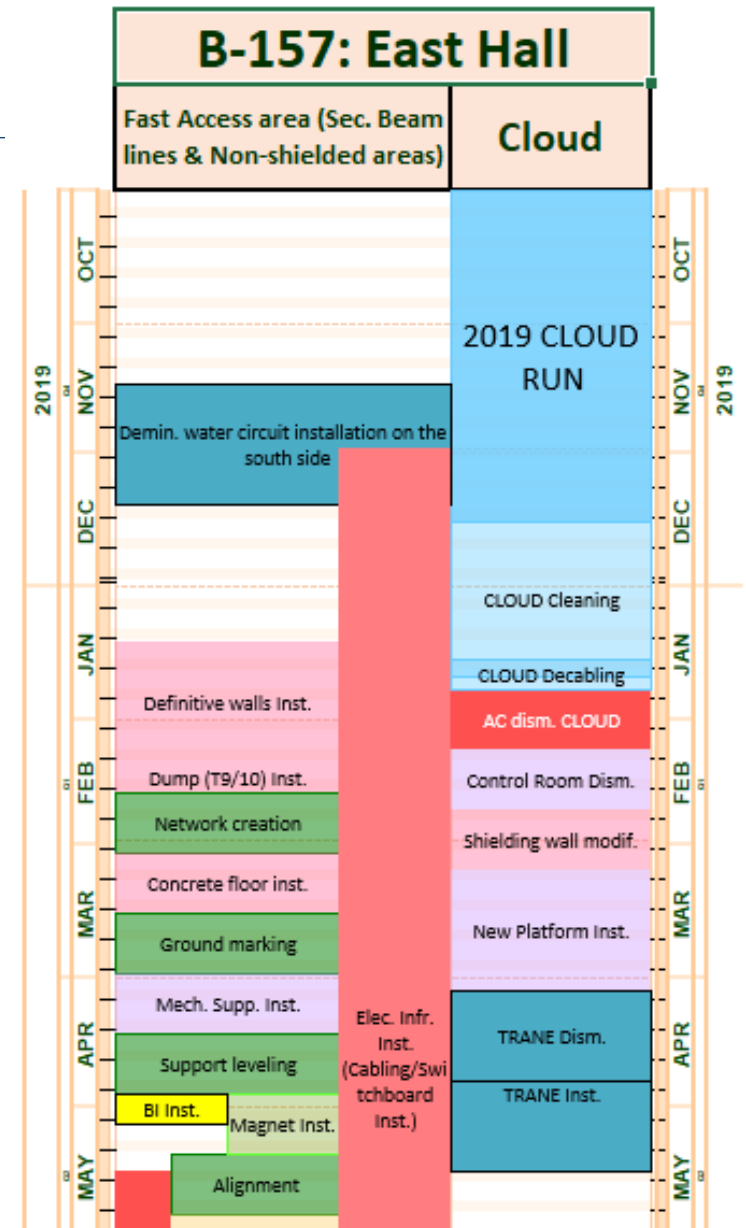
- B.251 :**
- TE-EPC: Install the Power Converters, from 06/04 to 01/05
  - EN-EA : Completion of the false floor installation, from 06/04 to 01/05
- B.157 :**
- EN-CV : Install the Ventilation Primary Area, from 01/04 to 02/06

- Others:**
- B.157 :**
- 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

# 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
<b>Individual tests in b.352</b>		<b>81 days</b>	<b>Mon 02.03.20</b>	<b>Mon 22.06.20</b>
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
<b>HW Tests in b.352</b>		<b>20 days</b>	<b>Thu 08.10.20</b>	<b>Wed 04.11.20</b>
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

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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**