

East Hall under construction - 1962

### **Planning : Focus on the Next 6 Months** B. Raë





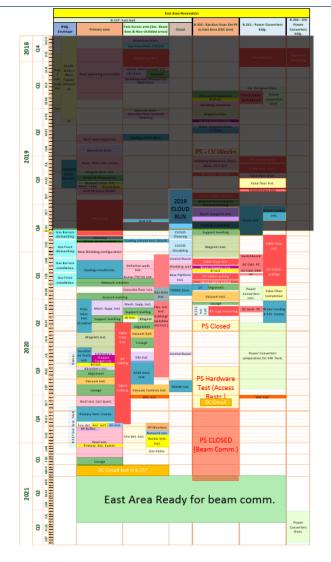




## Index

### • Gantt : <u>EN-EA Planning SharePoint</u> (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  $\rightarrow$  small time for power converters test



## December 2019

	B-157: East Hall					-	ction from	B.251 : Power			
	Bldg. Envelope	Prima	ry area	Fast Access area (Sec. Beam lines & Non-shielded areas)	Cloud		East Area Line)	Converte	ers bldg.		
2019 44 NOV		Decabling Shielding inst.	Shielding Shield. Grnd Marking Shield	Oemin. water circuit installation on the	2019 CLOUD RUN	Mech. Supports Inst.	Cooling circuit Inst.	Transform	Water Cooling Inst hers Inst.	NOV	2019
20 DEC		Primary painting	New Shielding	south side Elec. Infr. Inst. (Cabling/Swi tchboard		Support Magne	levelling ts Inst.	False floor Inst.	Cable trays Inst.	DEC	20

### 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 :

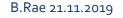
B.157 :

- 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-MSC : Magnets installation, from 16/12 to 24/01





## January 2020

		B-157: East Hall					B.352 : Ejection from	B.251 :			
		Bldg. Envelope	Primar		Fast Access area (S lines & Non-shield		Cloud	the PS to East Area (F61 Line)	Converters bldg.		
6	0		Shielding inst.		Demin. water circuit instal	lation on the	2019 CLOUD	Support levelling		Water Cooling Inst	ം പ
2019	° Ö		Primary painting	New Shielding			CLOUD Cleaning		False floor Inst.		DEC 2019
	A -			5			CLOUD Decabling	Magnets Inst.		Cable trays inst.	z
	AL		Cooling ci	rcuite Inst	Definitive walls Inst.		AC dism. CLOUD	Cable trays inst.	AC Cabl. ERD		

### 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



B.Rae 21.11.2019

## February 2020

	B-157: East Hall							jection from	B.251 : Power		
	Bldg. Envelope	Primar	y area	Fast Access area (S lines & Non-shield			the PS to East Area (F61 Line)		Converters bldg.		
AN		Primary painting	New Shielding configuration			CLOUD Cleaning CLOUD Decabling	M	agnets Inst.	False floor Inst.		
-		Cooling cir	rcuits Inst.	Definitive walls Inst.		AC dism. CLOUD	Cab	ole trays inst.	AC Cabl. ERD	Cable trays inst.	
ĕ EB -			Network creat	Dump (T9/10) Inst.		Control Room Dism. Shielding wall modif.	Beam stopper Bi Inst.	DC Cables pulling	Switchboard Inst.	DC Cables pulling	

### 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

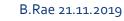
B.352 :

- EN-STI : Beam stoppers installation, from 10/02 to 14/02
- BE-BI : Beam instrumentation installation, from 17/02 to 21/02

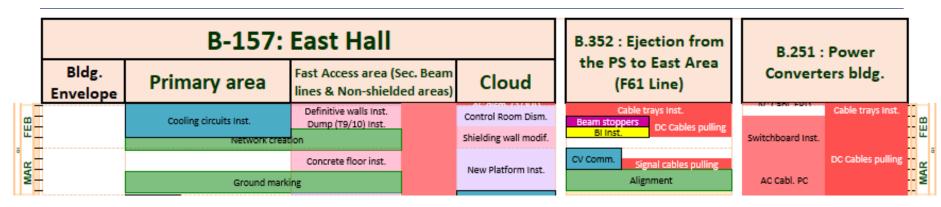
B.251:

- 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







	B-157: East Hall							B.352 : Ejection from	B.251 :		
	Bldg. Envelope	Prin	nary aroa	Fast Access area (S lines & Non-shield				the PS to East Area (F61 Line)	Convert	ers bldg.	
MAR			Albrower Proof	Concrete floor inst.		New Platform Inst.		CV Comm. Signal cables pulling	Switchboard Inst.	DC Cables pulling	۲.
`≥-			Ground mark	ing				Alignment	AC Cabl. PC	DC Cables pulling	:- <b>≧</b> °
APR	-		Mark Sure last	Mech. Supp. Inst.		TRANE Dism.		Vacuum inst.	Power Converters	False Floor	APR
		Prim. Vent. Inst.	Nech. Supp. Inst.	Support leveling BI Inst. Magnet Inst.		TRANE Inst.		Lissage	inst.	Completion	2

#### B.251 :

- TE-EPC: Install the Power Converters, from o6/o4 to o1/o5
- EN-EA : Completion of the false floor installation, from o6/o4 to o1/o5 B.157 :
- EN-CV : Install the Ventilation Primary Area, from 01/04 to 02/06

Others:

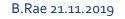
B.157 :

- 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-MSC : Magnets installation, from 28/04 to 11/05
- EN-CV : Dismantling and installation of the TRANE, from o6/04 to 15/05

#### B.352 :

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

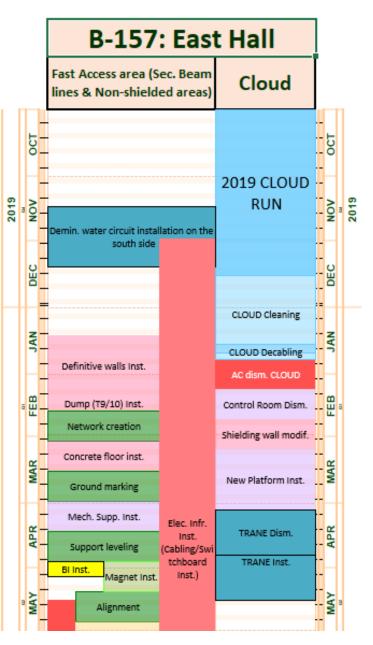




## **Cloud works**

- 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 arround 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 : <u>Apr 2021</u>
- B.352 (PS) (~1 month slack):
  - WIC installation arriving late in the project
  - HW test after the PS CLOSED
  - <u>Will have to organize closely the test</u> 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
Commissionning 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
Commision 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





Planning East Area CSR3

## 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**