

RPC Chamber production

471 Chamber produced → 78 Chambers have to be built to finish production

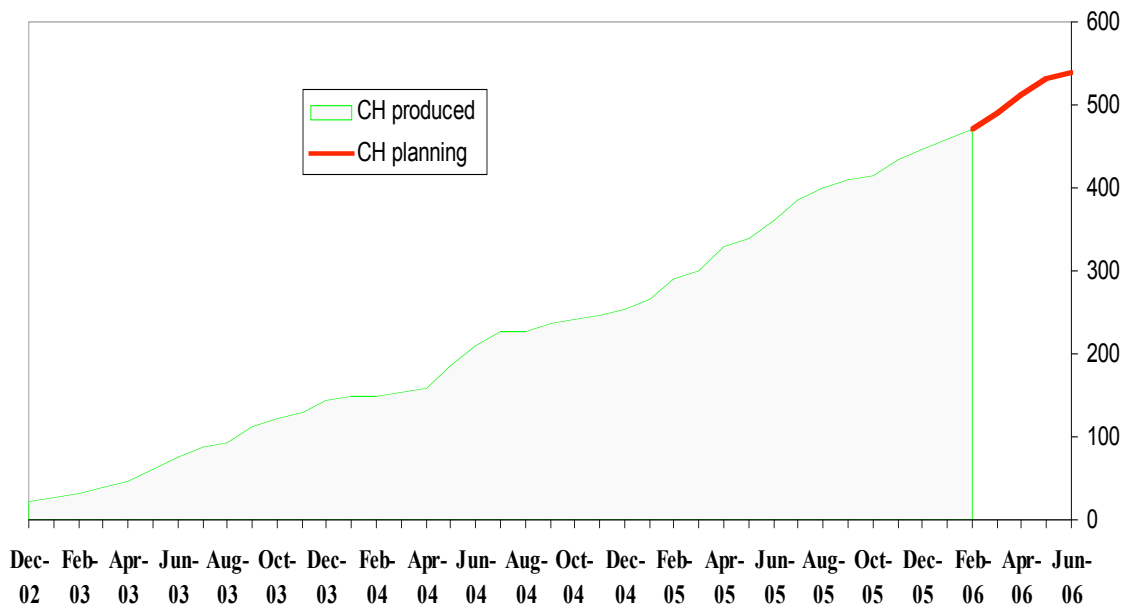
Construction planning:

GT → 15 ch/month

Sofia → 5 ch/month

~14 % of total production

→ Finish production: **June 06**



Chamber production

GT

March 3 RB4 + 7 RB2-2 + 5 RB1

April 4 RB2-2 + 11 RB2-3

May 17 RB4-2000

June re-building of rejected chambers

Tot **47**

March/April

BARI

6 RB4 -1500

17 RB3

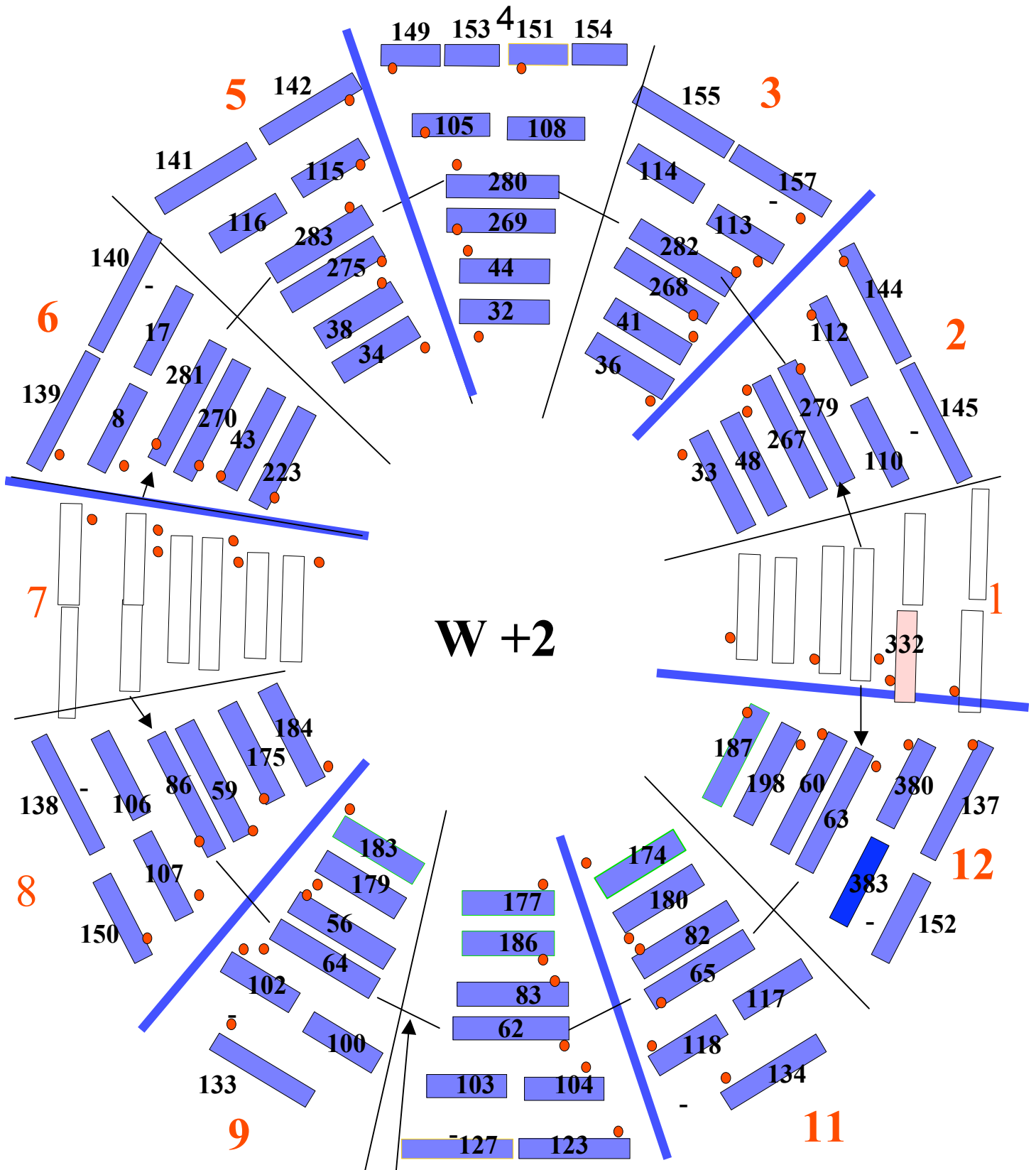
8 rejected at ISR

TOT.

31

ISR status

- 98 chambers at ISR
 - 8 already coupled
 - 17 chambers arriving tomorrow
 - 24 under test
-
- 254 installed chambers
 - 92 coupled and installed in less than 2 months:
 - 2 tech+ 1 phys.@ ISR
 - 2 tech + 1 phys. @ SX5

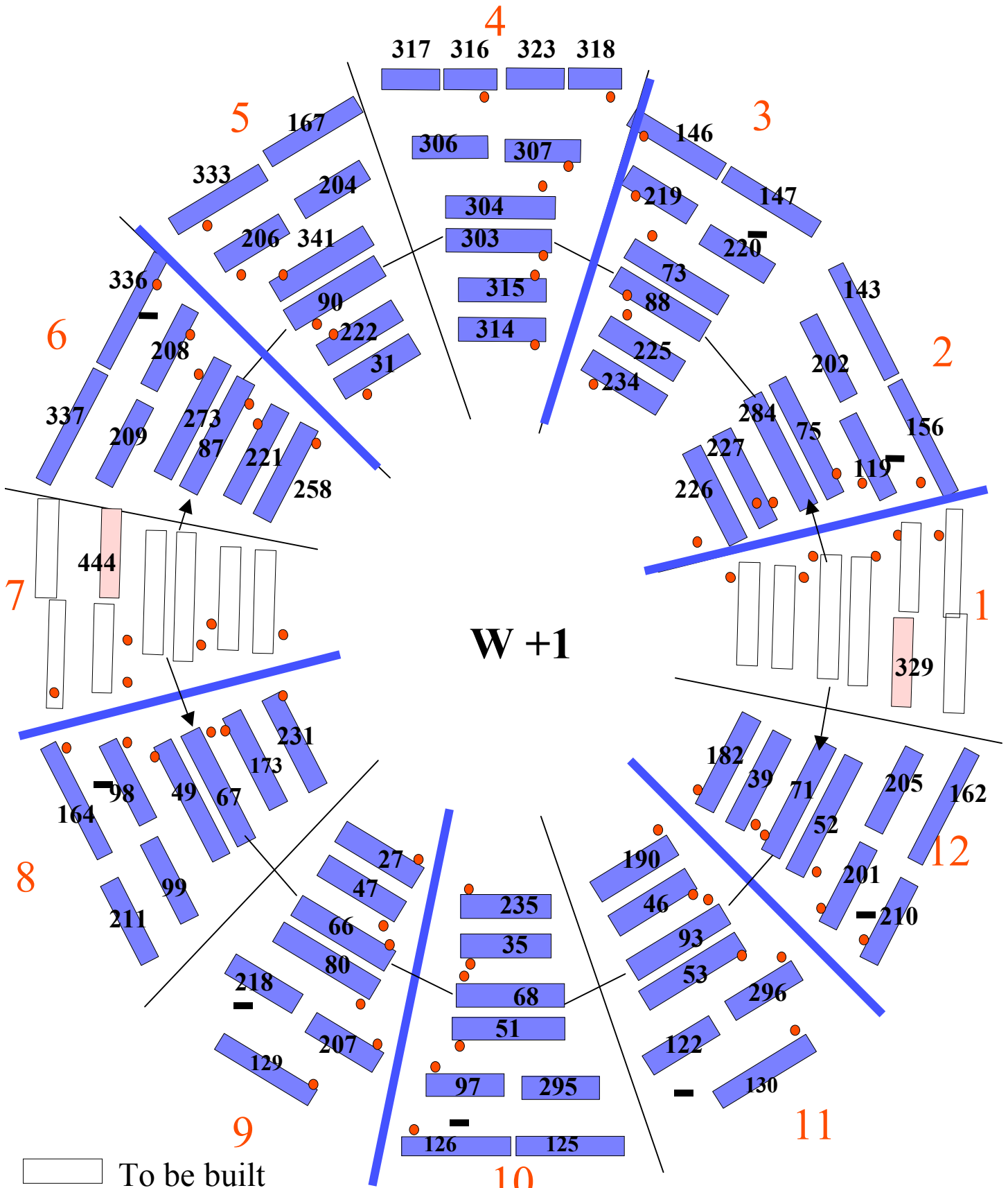


- To be built
- To be tested ISR
- Installed

3 bi gap

Installation End Septemb.

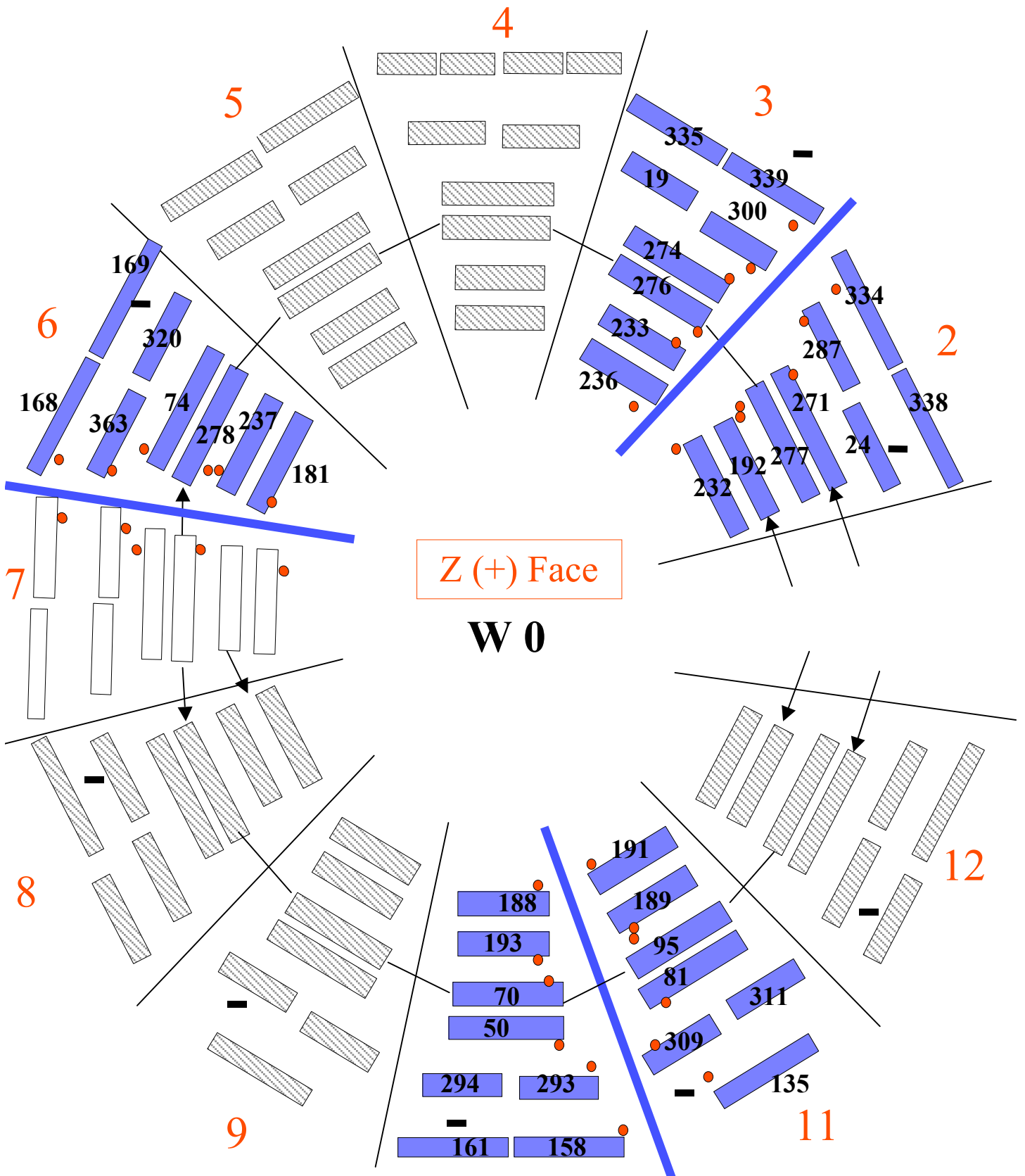
Sect 1-7 ready end August



- To be built
- To be tested ISR
- Installed

Installation End September

Sect 1-7 ready end August



Z (+) Face

W 0

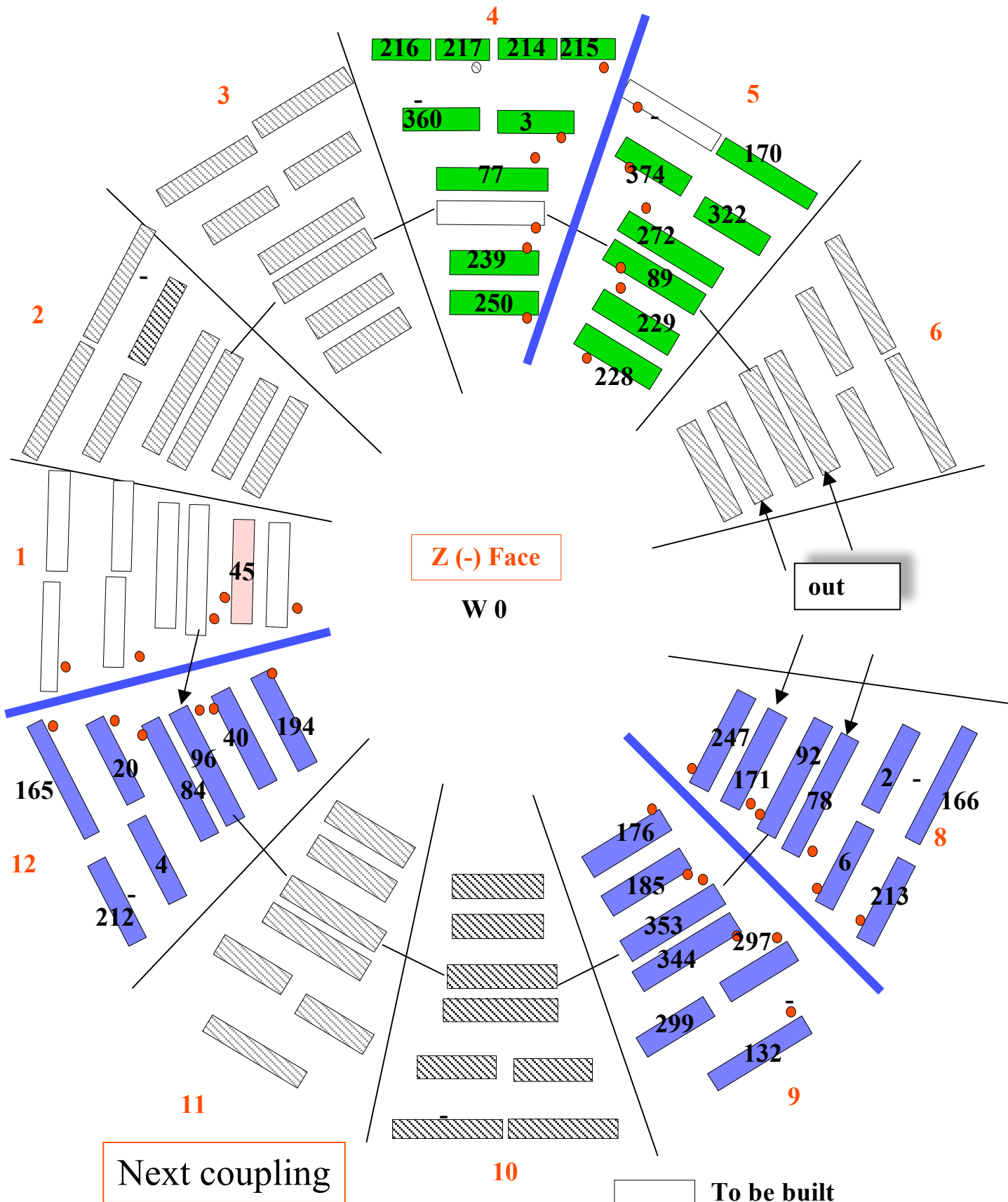
Installation Middle November

Sect 1-7 ready end Sept

- To be built
- To be tested ISR
- Installed

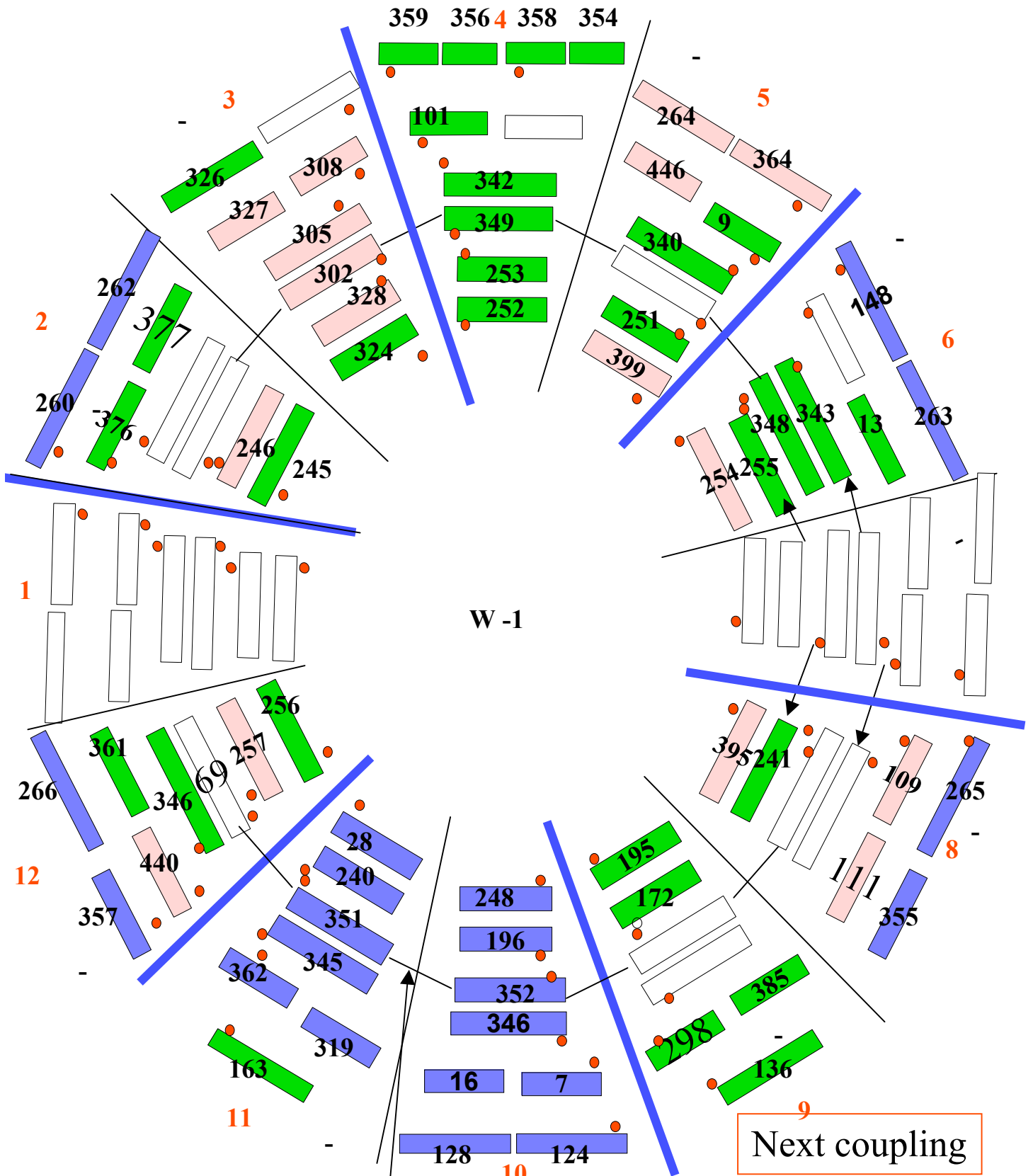
A. Colaleo, 060314

BMU_TB: RB report



MB2 ready middle April - trolley 1

MB4 middle May - trolley 3



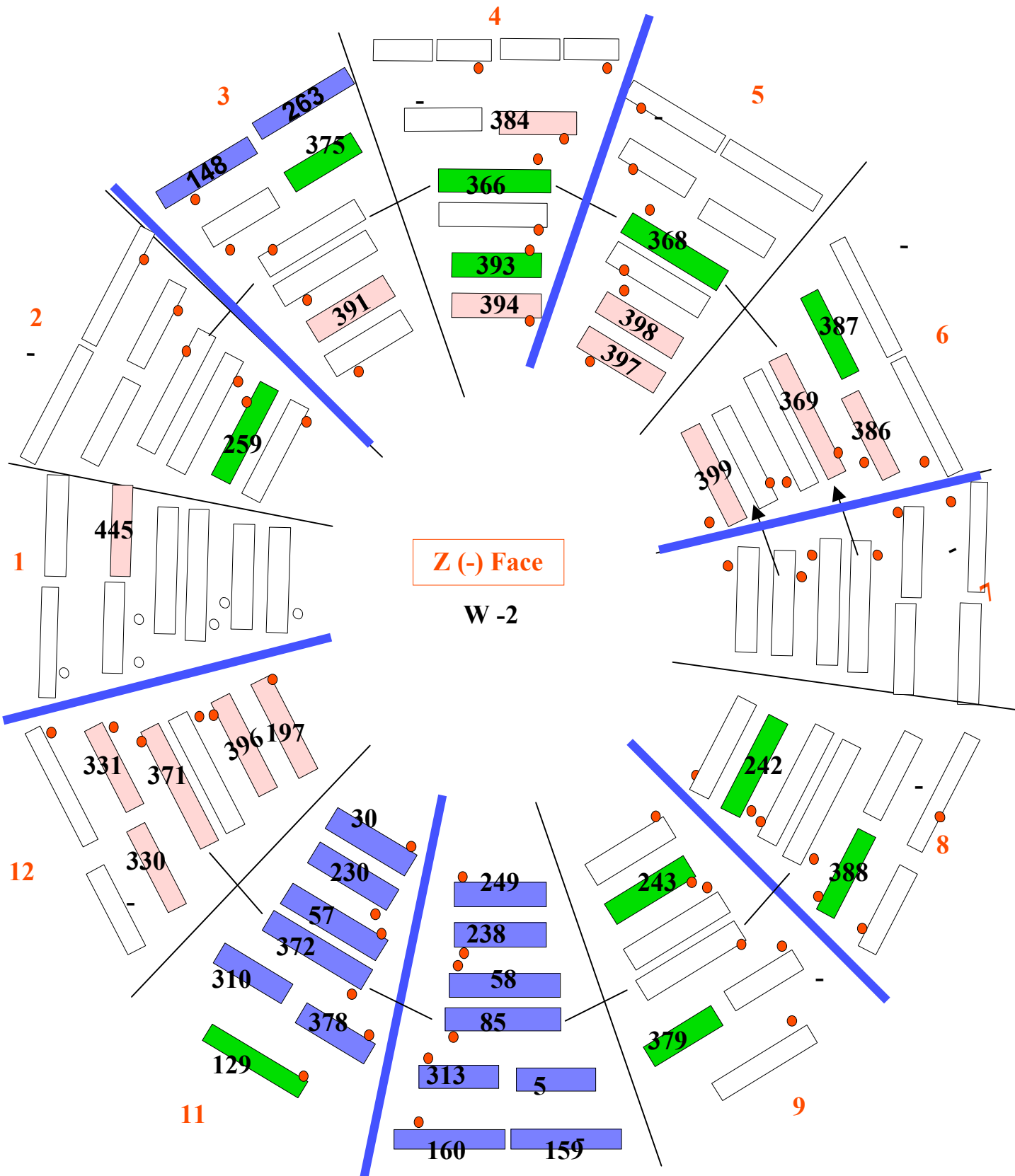
- To be built
- To be tested ISR
- Ready for installa.
- Installed

A Coleco 060314

BMU_TB: RB report

MB2-sect 5 -middle May trolley 4
 MB2 set 2 middle May trolley 5
 MB2 sect 12-9-8 July trolley 7
 MB4 sec 3-6 May trolley 9

Next coupling



Z (-) Face

W - 2

Installation End October

- To be built
- To be tested ISR
- Ready for install.

All missing chambers ready September

A. Colares, 060314

BMU_TB_RB report

Commissioning W+2

- Gas rack commissioned
- Gas equalization between chambers
- LV/threshold control/connectivity/noise test
- I vs. HV monitor
- 48 hours current stability test@9200 V
- Sect 10/11 test with final cables for MTCC

Problems

- 1 chamber sect 12/MB3 replaced due to gas leak during gas equalization operation - commissioned
- 2 Distribution Board replaced on sect 9/4 MB1 chambers (wrong threshold control via DT MC (backup line)).
- 1 FB replaced in sect 9 /MB2.
- 1 Distribution Board to be replaced on 14 March

Commissioning W+1

- gas rack commissioned
- Gas equalization between chambers
- LV/threshold control/connectivity/noise test
- I vs. HV monitor
- 48 hours current stability test@9200 V
- Sect 10 test with final cables (for MTCC)

Problem

- 2 chambers sect 5/MB2 sect 6/MB1 replaced due to broken HV cable inside the chamber.
- 1 FEB connector replaced in sect 9/MB1
- 1 HV connector replaced on sect 12/MB3

Pending

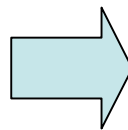
Still to be commissioned the two replaced chambers (no power Supply on the gas distributor)

Commissioning W0

The commissioning can only start after the commissioning of gas rack

- Need the gas distributor power supply (Not provided by CERN Gas Group)
- Need to calibrate the flow cells in the gas distributor
- Need to prepare for commissioning (ground straps, pipes)

2 week works on gas distributor
2 sector/week – needed 4 weeks.



6 week needed
for W0 commissioning.

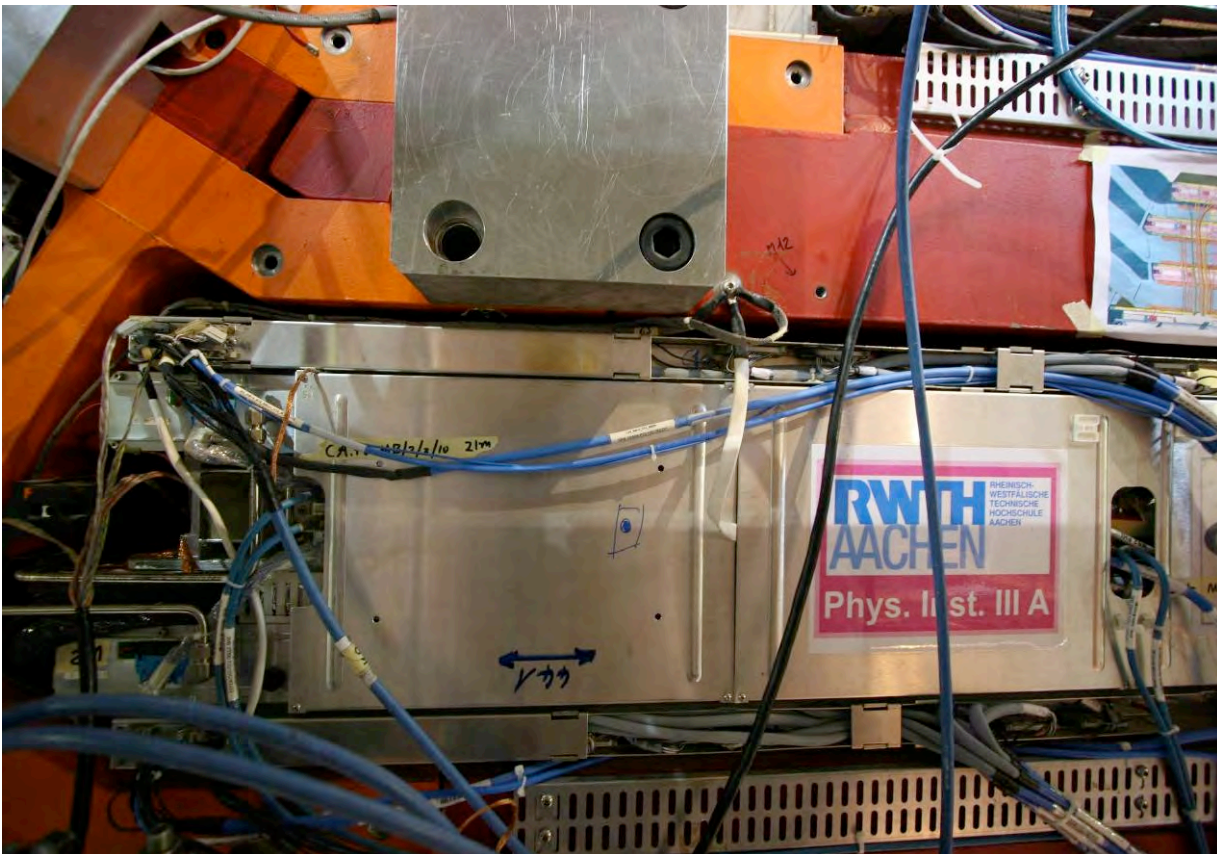
Need to understand the window available for the commissioning in order to organize shifts

Same gas problem for sect 10/11 W-1 W-2

Cabling

Labeling and Skew test done at CERN-ISR (1 sector/day)

W+2 all cables available: sect 8/9/10/11/12 fully cabled by the end of this week



W+1 signal cables available-skew test and labeling to be done
HV/LV cables connector have been put at CPE

W0 still to be defined the cutting lengths