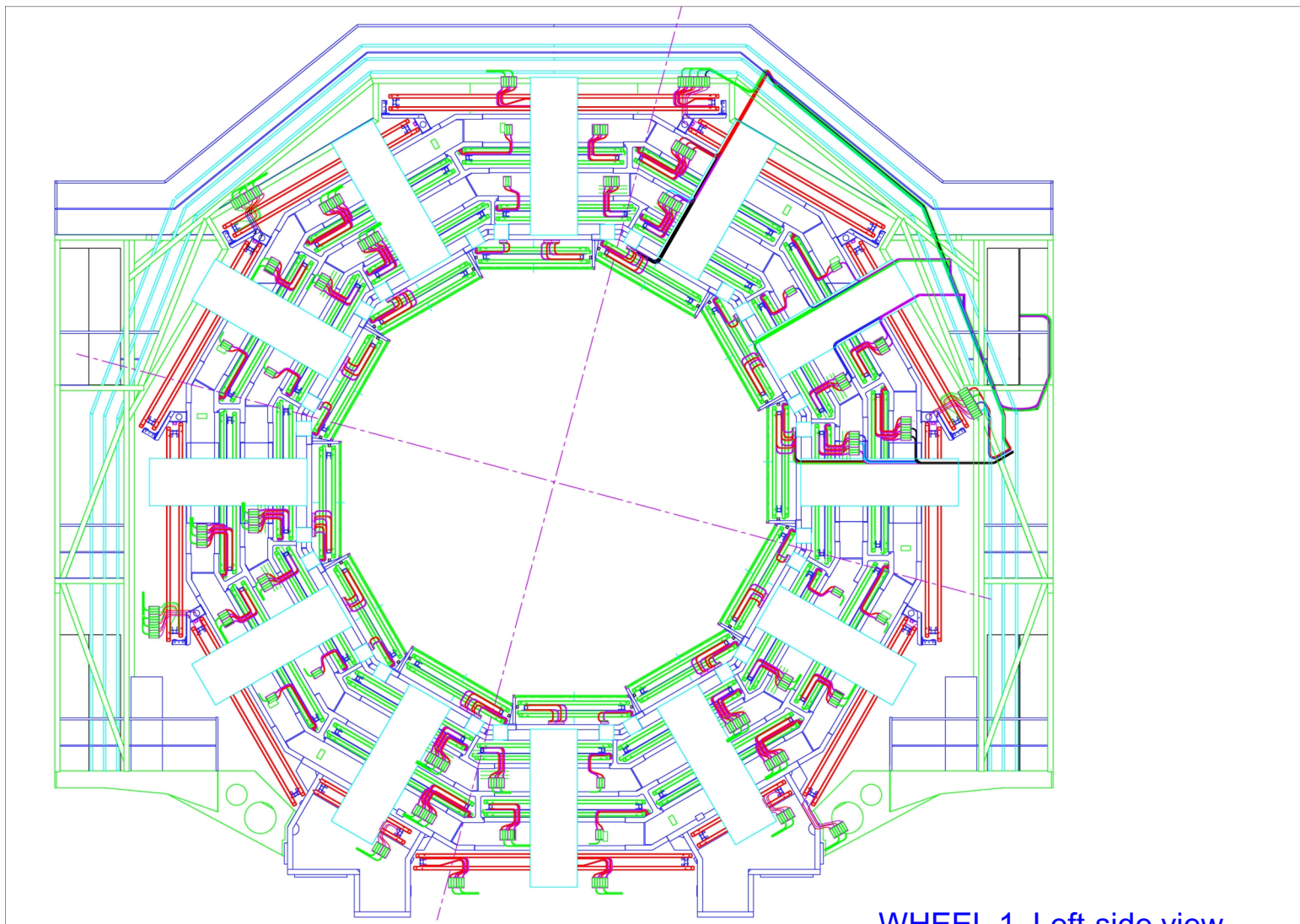


# Muon Barrel Integration



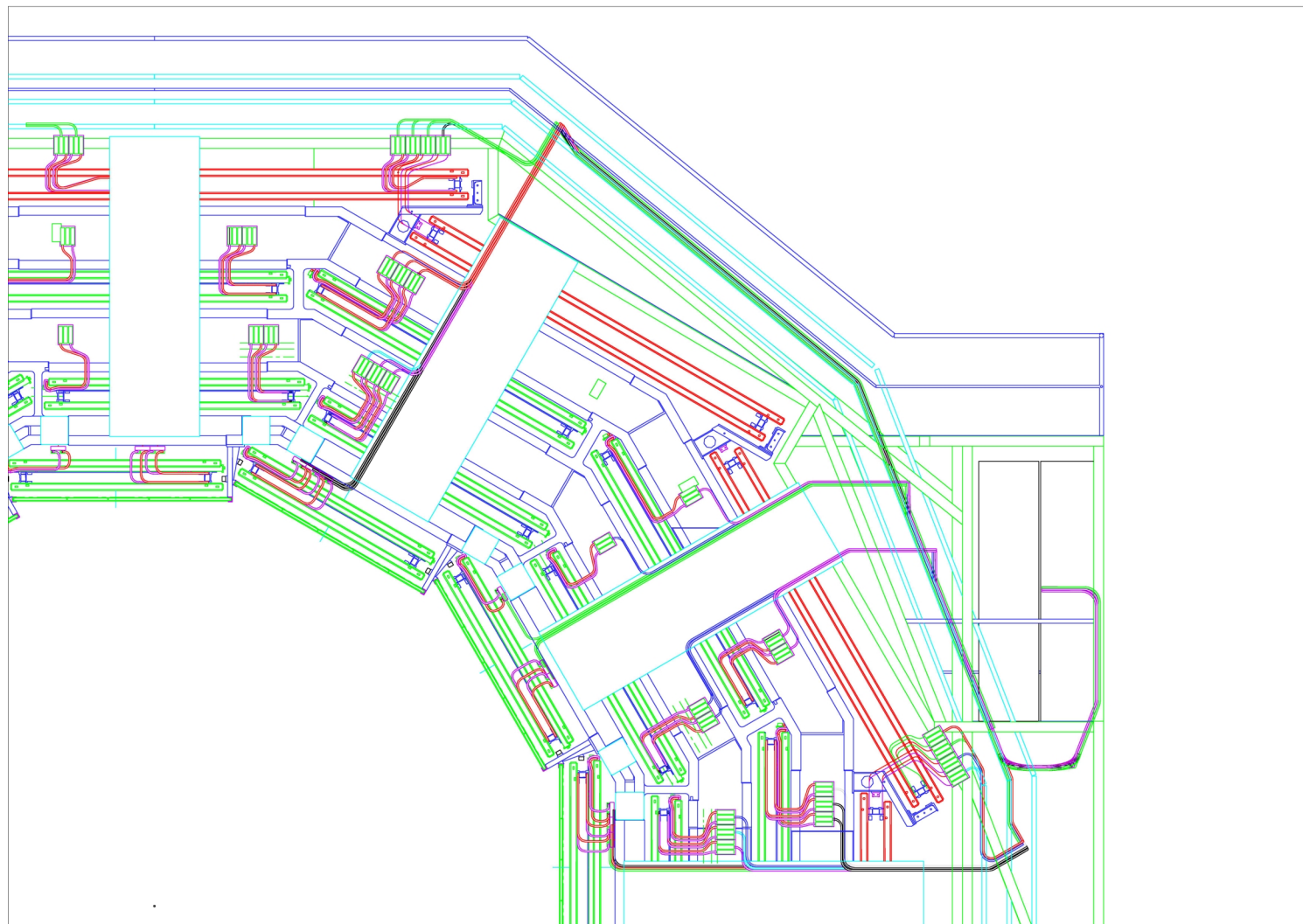
## OVERVIEW

- CABLING
  - HV DT Gamma Cables, routing, length
  - DT-RPC LV Cables Cooling
- DT & RPC Gas and cooling distribution
- MB4 and MB1 Supports Status
- Hall Probes

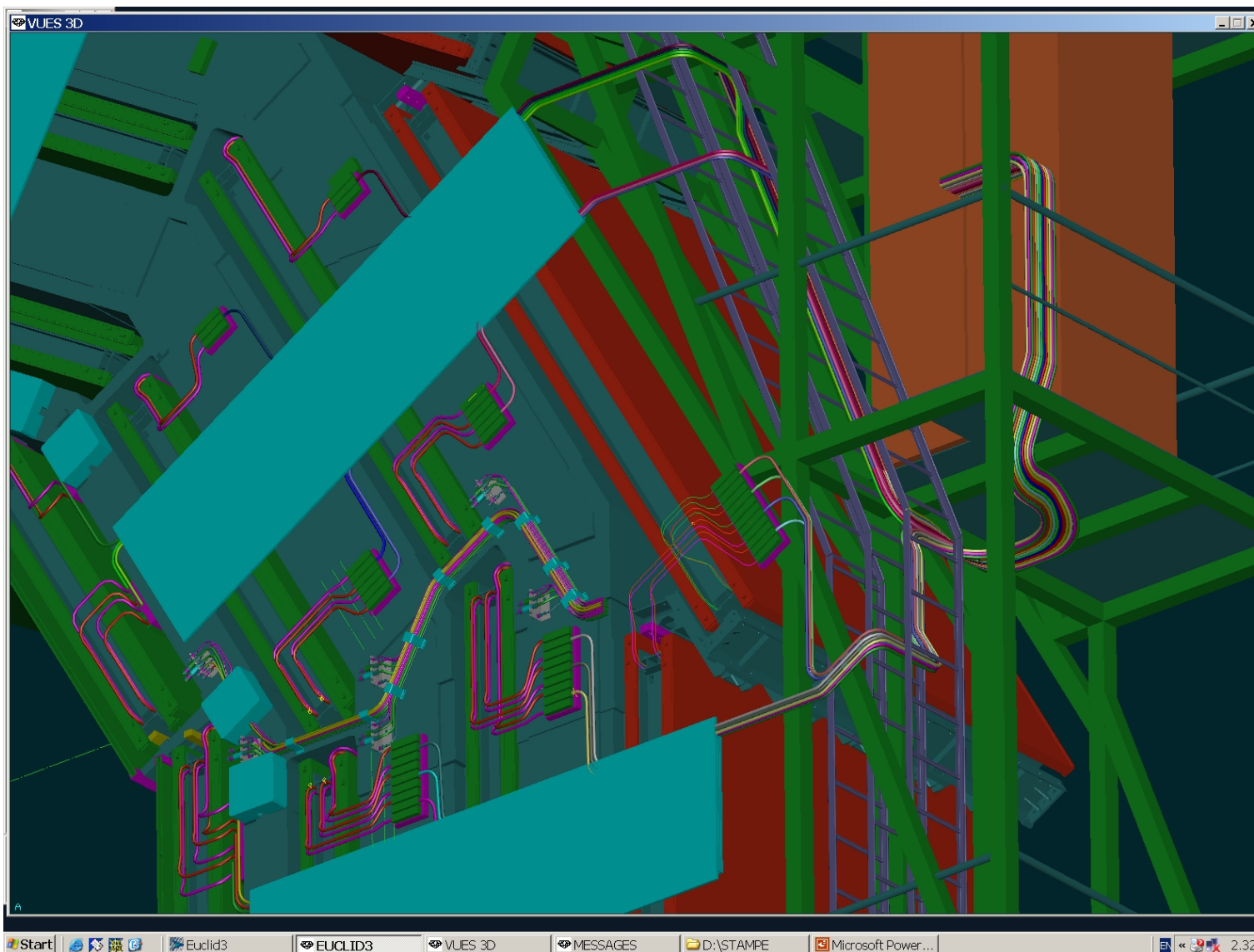


WHEEL 1. Left side view

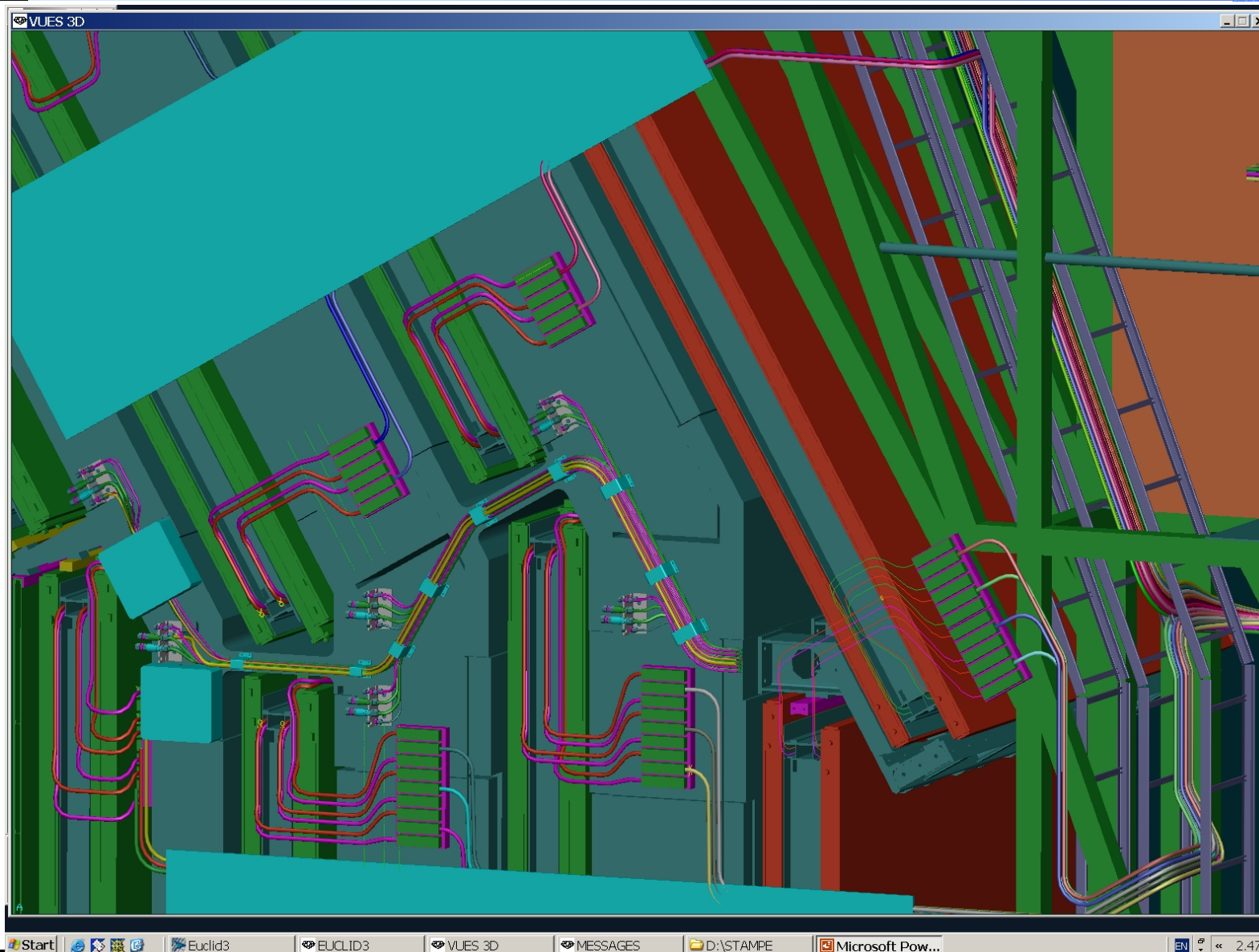
# HVg W1 layout (detail)



# HVg layout. Wheel 1, Balcony 1. (I)



# HVg Layout. Wheel 1, Balcony 1. (II)





# HVg Status.

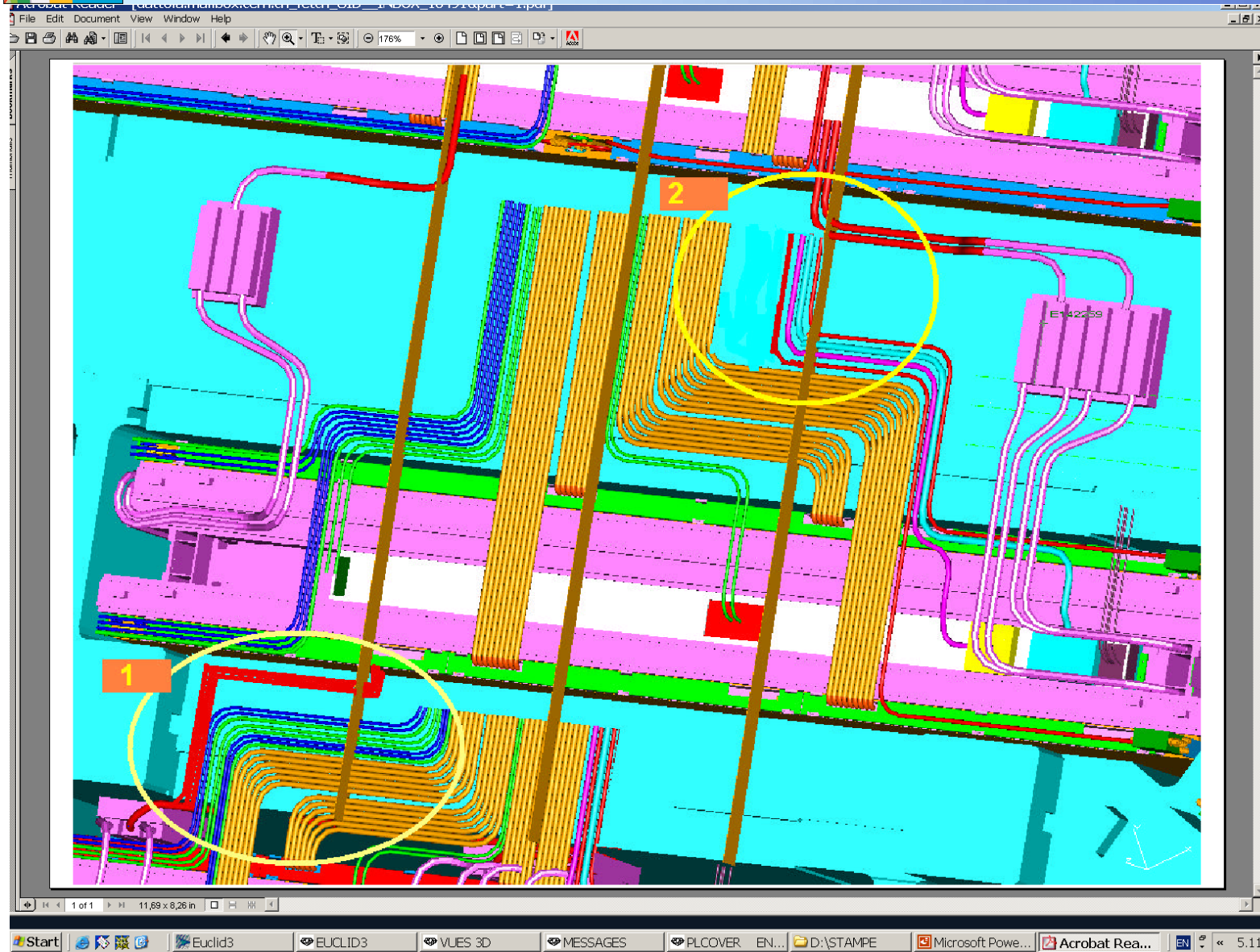


STATUS.xls

Etichetta	L_CUT	Q. Lotto 1	Q. Lotto 2	Q. Lotto 3	Q. Lotto 4
HVg1/01	9750		3	12	
HVg1/02	12000		3	12	
HVg1/03	16600			12	
HVg1/04	16830	3			
HVg1/05					
HVg1/06					
HVg*/00					
HVg*/01	7000		4		2
HVg*/02	7750		3		1
HVg*/03	8500		3		3
HVg*/04	9000		3		
HVg*/05	10000		3		8
HVg*/06	10750		3		9
HVg*/07	14250		2		2
HVg*/08	14500		2		2
HVg*/09	14750	3			9
HVg*/10	15500	3			6
HVg*/11	9500				7
HVg*/12	9750				6
HVg*/13	16000				7
		9	29	36	62

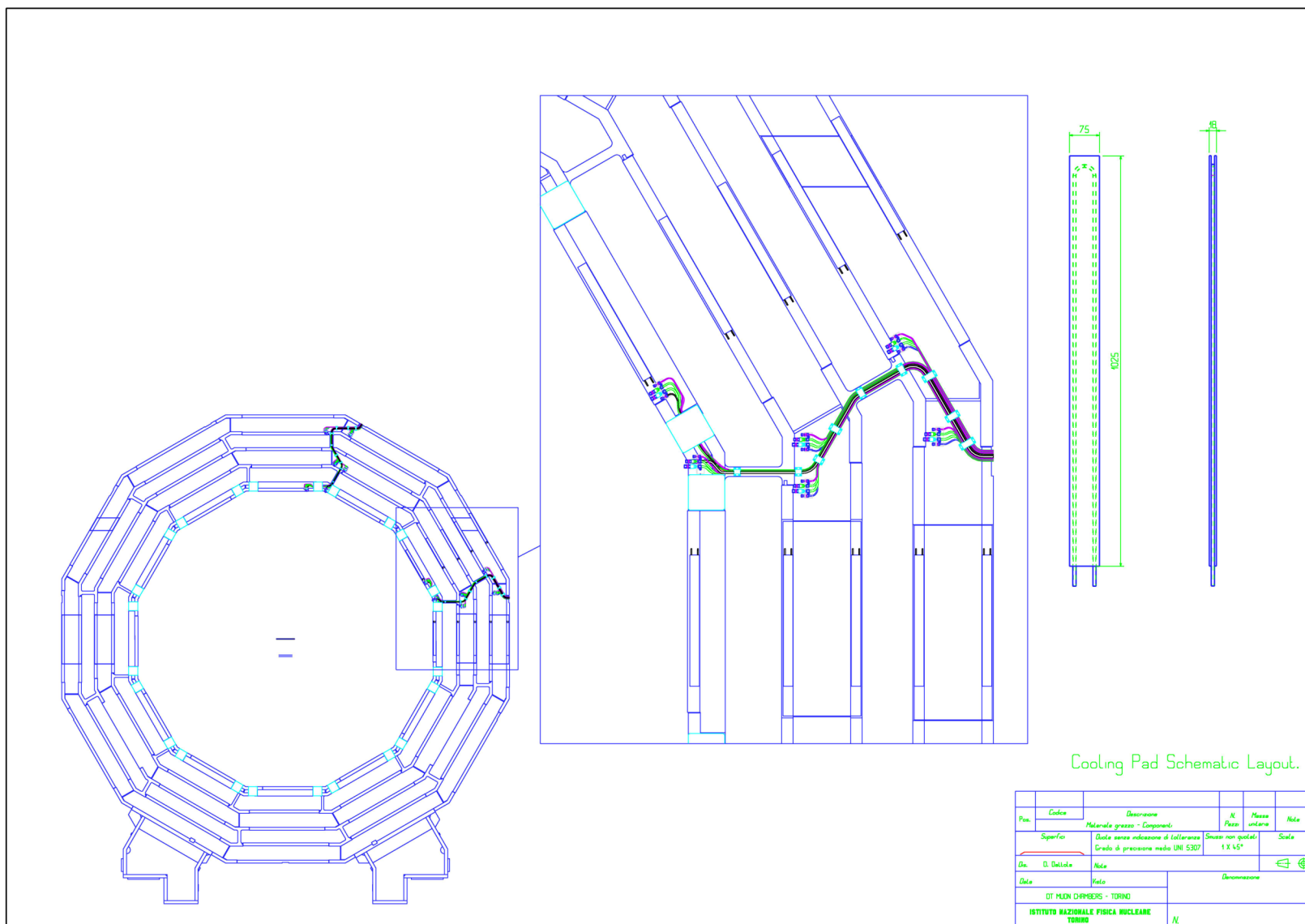
Total: 136

# DT-RPC CABLING.



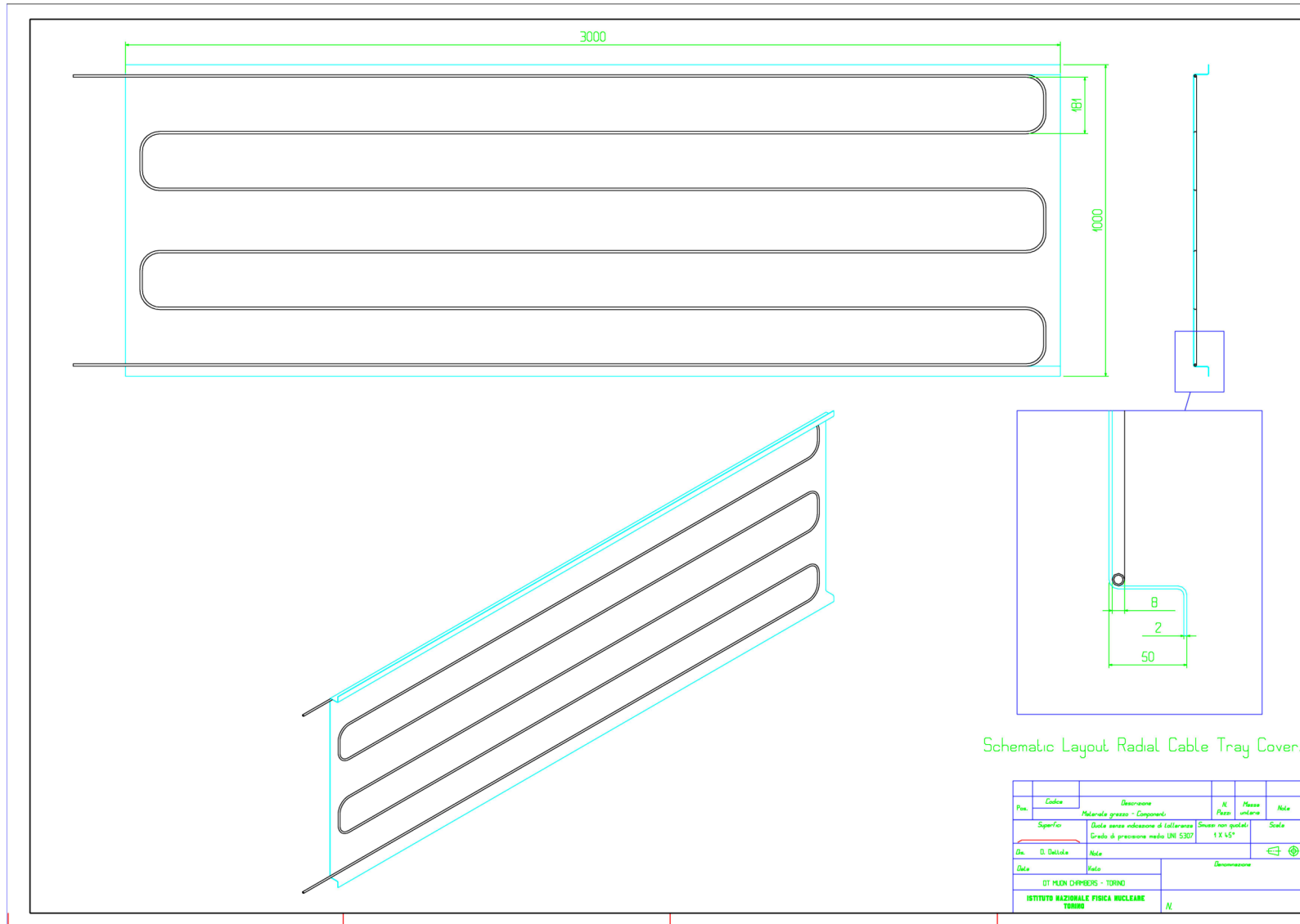
DT-RPC Cabling.  
(In Progress)  
L. Roscilli  
(INFN\_Na)  
F. Montecassiano  
D. Dattola

# Radial Cable Tray Cooling. Proposal 1.

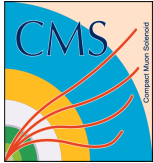




# Radial Cable Tray Cooling. Proposal 2.



Pos.	Codice	Descrizione	N.	Messa	Note
		Materiale grezzo - Componenti	Pezzo	unitaria	
	Superficie	Qualità senza indicazione di tolleranze Grado di precisione medio UNI 5307		Senza non quotati 1 X 45°	Scala
Dis.	D. Delella	Note			← ⊕
Dis.	Foto	Dimensione			
DTI MILIONI D'IMPRESA - TORINO					
ISTITUTO NAZIONALE FISICA NUCLEARE TORINO			N.		

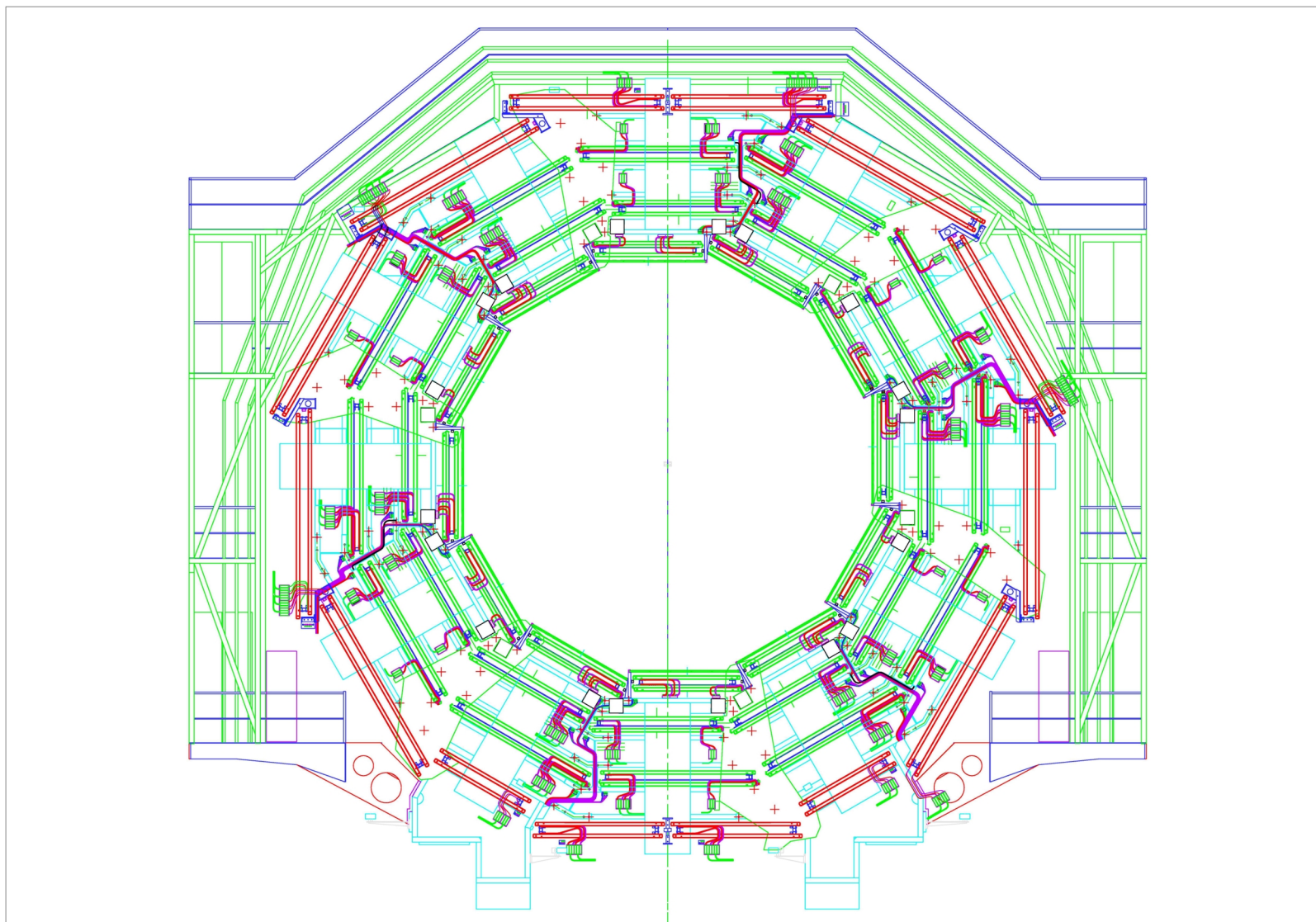


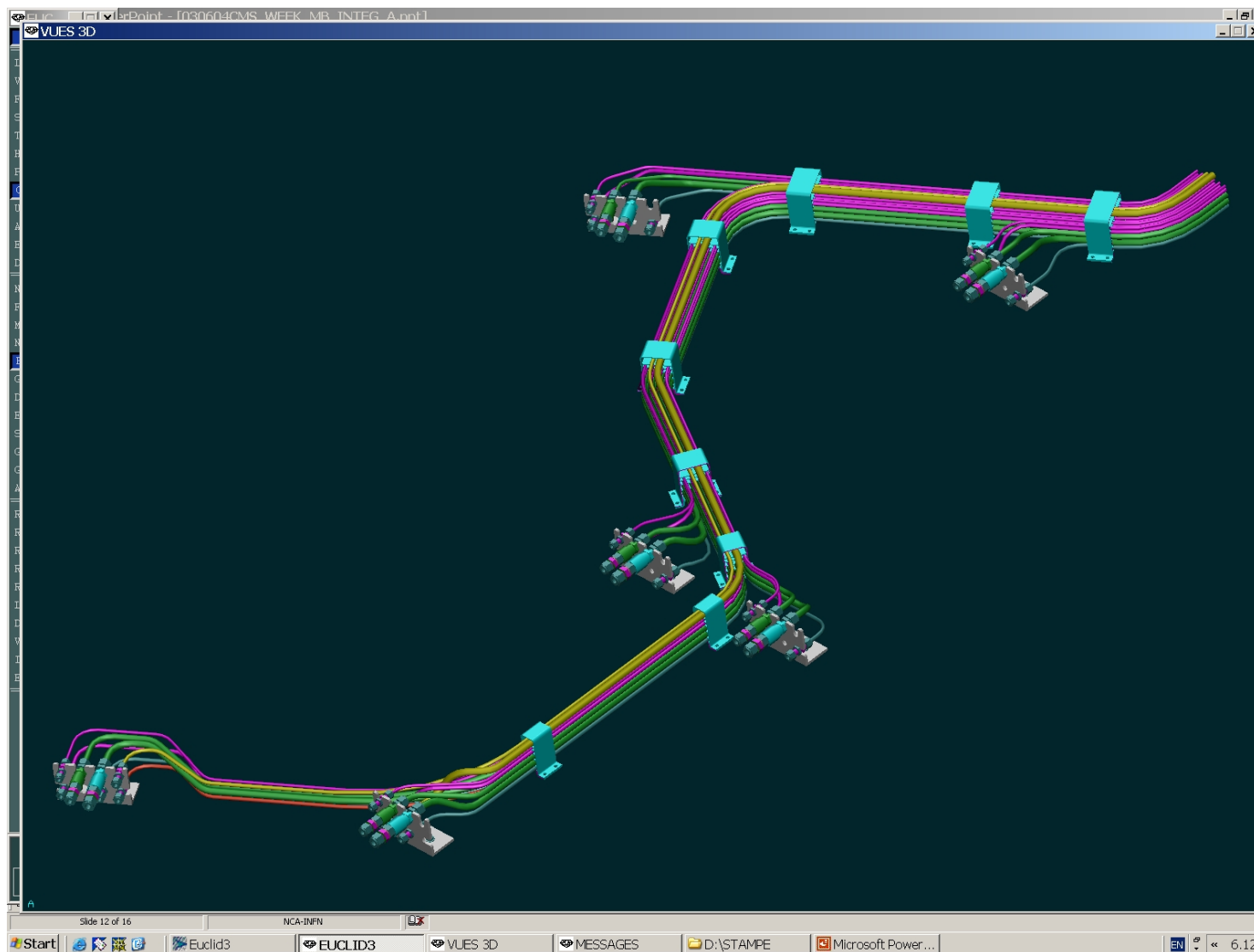
## Cable Tray Cooling.



- Both proposal for the radial cable tray need further studies
  - Heat exchange capacity
  - Technology
  - Cost
- Cooling of cable along the periphery is not yet clear.
  - LV cables in Channel cooled by Yoke stabil outlet ?
- This issue need a quick solution in order to finalize the latest detail on Cooling Layout.

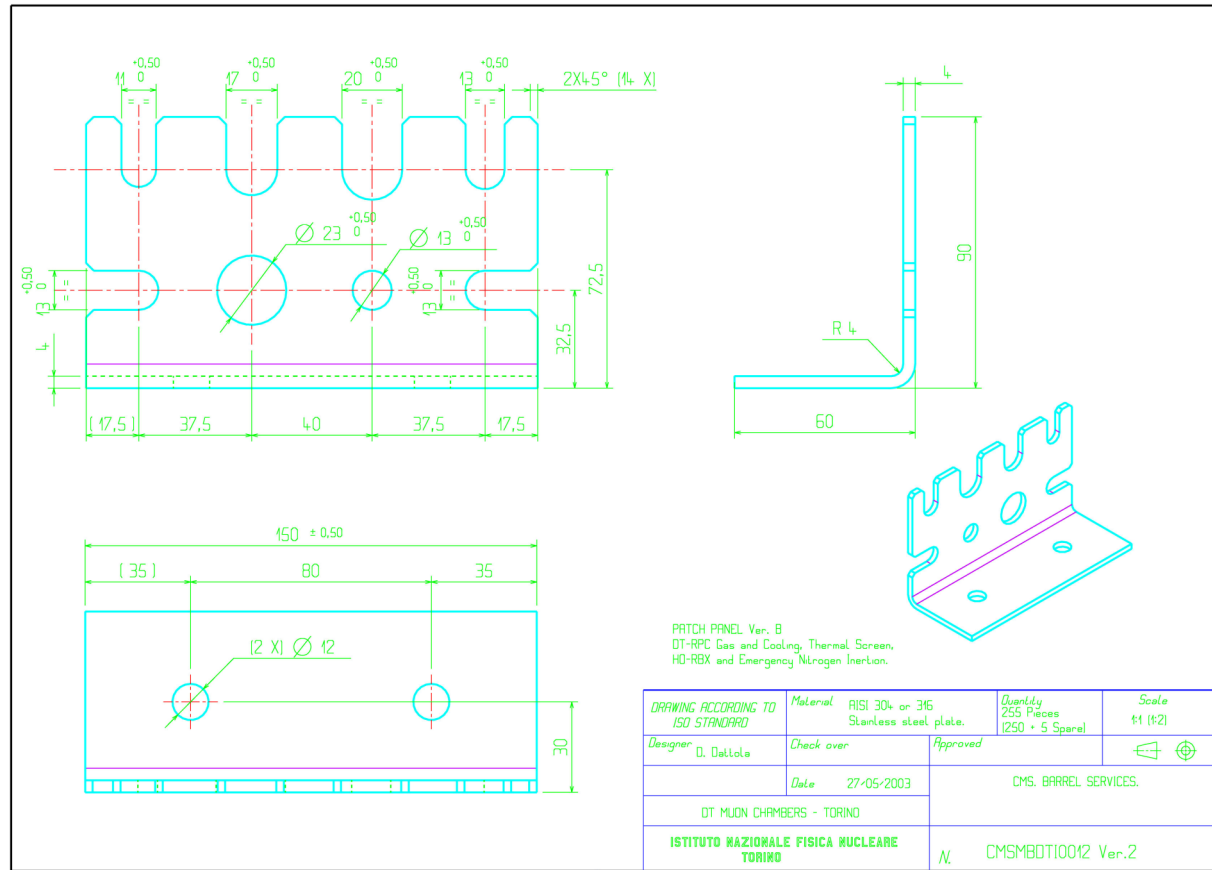
# MB Services on wheel 1





Layout revised.  
Drawing sent to ZEC.  
Mb4 PP position  
Need some refining.  
Work in progress.

- Final Design
- Same design for all position
- Material : 4 mm SS Plate,
- Patch Panels will be fixed on the iron by screws-tapered holes.



## MB4 Supports Structures.



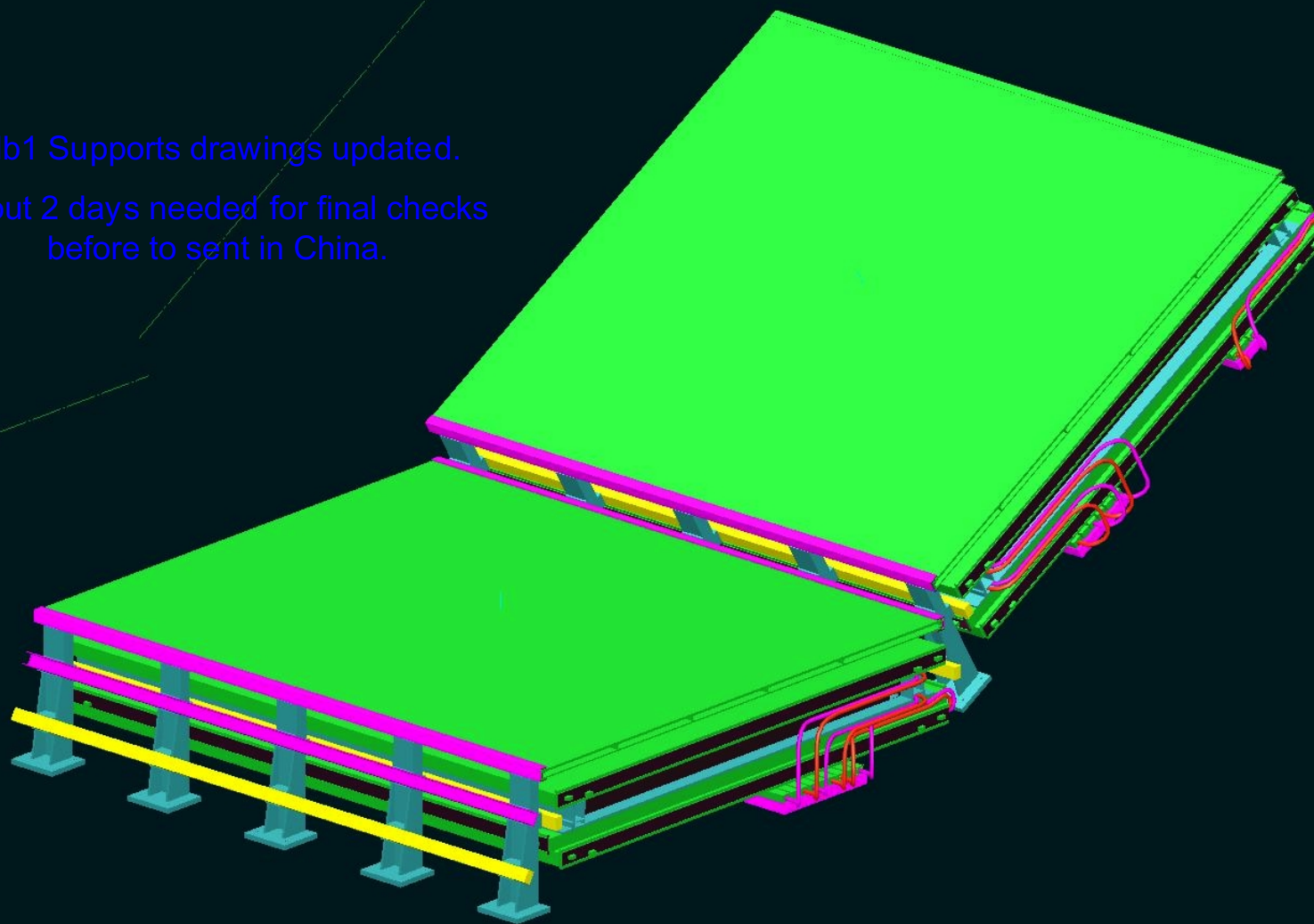
Installation of structure completed.

Remain to install rails on the external side of the feet.

Surveyor will check the position.

Tables with nominal position w.r.t. Reference holes must be prepared.

Mb1 Supports drawings updated.  
About 2 days needed for final checks  
before to sent in China.





# Hall Probes.



Acrobat Reader - [ \_PL\_HALLPRO.pdf ]

File Edit Document View Window Help

Yoke Barrel #0. Left side view.

Hall Probe position on sector # 10.

Vyacheslav KUVSHIN, Domenico BATTOLA.

PROPOSAL.

04 April 2003.

File	0: 0000	0000		
Date	0000			

1 of 1 11 x 8,5 in

Start Euclid3 EUCLID3 VUES 3D MESSAGES D:\STAMPE C:\Documents... Microsoft Powe... Acrobat Rea... 6.38



# Hall Probes. Wheel 0.

