



Status of Torino-Dubna Production



Aluminum Plates production:

- Torino: steady production ongoing, **2605 plates cut (183 chambers=48MB1 +54MB2+50MB3+31MB4)**. **100%** of plates delivered from Pechiney, but we are sending back a batch of rejected plates (out of tolerances for various reasons or wet plates). We have to submit new order for spares (in total **120 large plates+40MB4 type+ 2% = 64k€**).
- Dubna: steady production ongoing faster than nominal rate (1 SL/day), typically **1.2 SL/day**. Plates for **31 MB1, 40 MB2, 36 MB3** produced insofar (**107 total**).



Status of Torino-Dubna Production



2003 Expedition Schedule Dubna->Production Sites

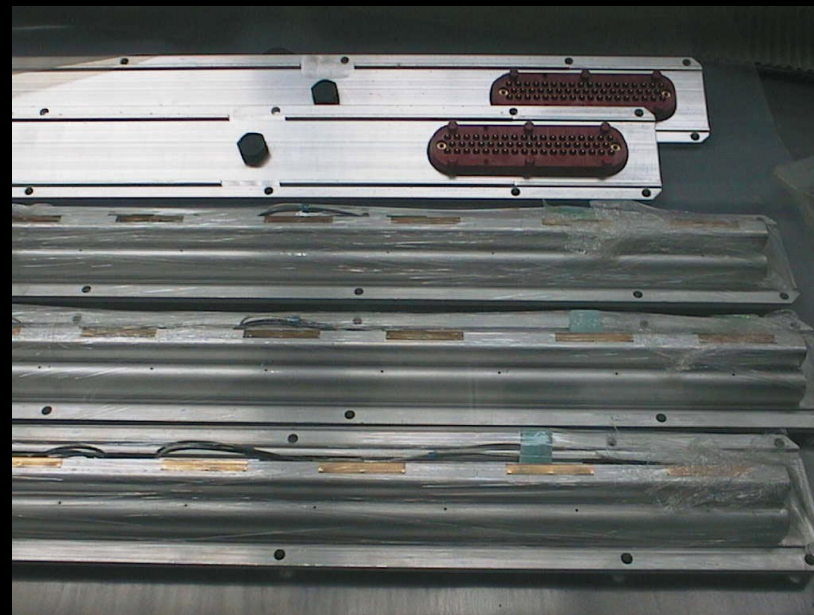
Date	Number of boxes	Plates/box	Num. Plates	Type	Destination
3-feb-03	6	30	180	MB2	Madrid
7-apr-03	3	45	135	MB3	Legnaro-Torino
	1	30	30	MB4 (8-12)	
21-may-03	2	45	90	MB1	Aachen
	1	50	50	MB4 (9-11)	
2-jul-03	2	30	60	MB2	Madrid
	1	50	50	MB4 (10)	
30-sep-03	1	30	30	MB4 (8-12)	Legnaro-Torino
	1	20	20	MB4 (8-12)	
	3	45	135	MB3	
13-oct-03	2	45	90	MB1	Aachen
	1	50	50	MB4 (9-11)	
24-nov-03	4	30	120	MB2	Madrid



Status of MB4 Production Preparation



- **Production of FE and HV SL frames ongoing in Torino. 20 MB4 HV side + 4 FE side frames produced insofar. 2 Technicians (electr.) fully dedicated to this task. Production rate 4 FE +4 HV frames/month.**





Status of MB4 Production Preparation



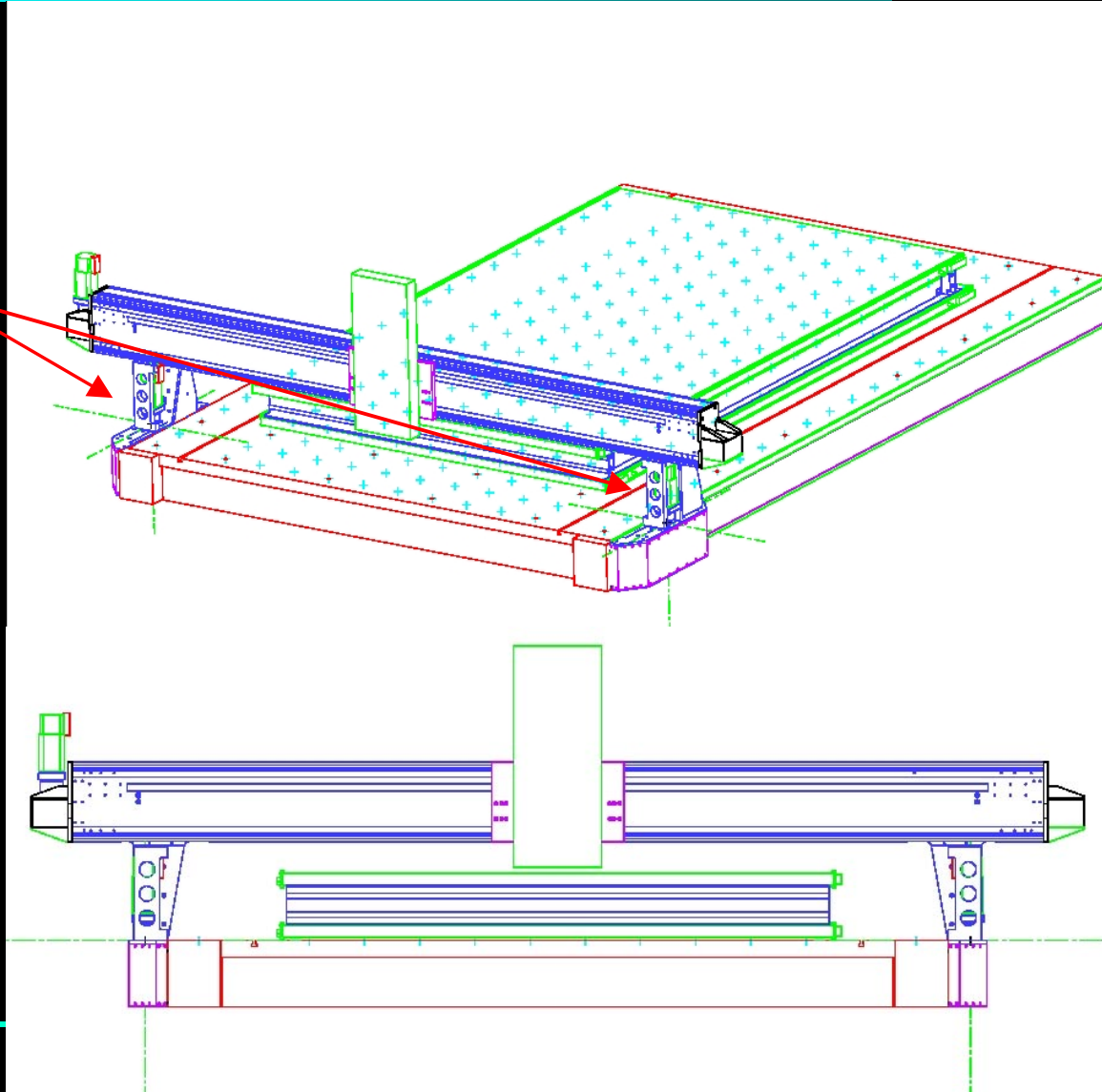
Production tables:

- **Plotter axis support drawings: 90% executive drawings ready (Mimmo)**

- **Part construction: entirely done in our workshop, 70% of the parts machined, will be ready in 2 weeks.**



Table assembly and commissioning by the end of march





Status of MB4 Production Preparation

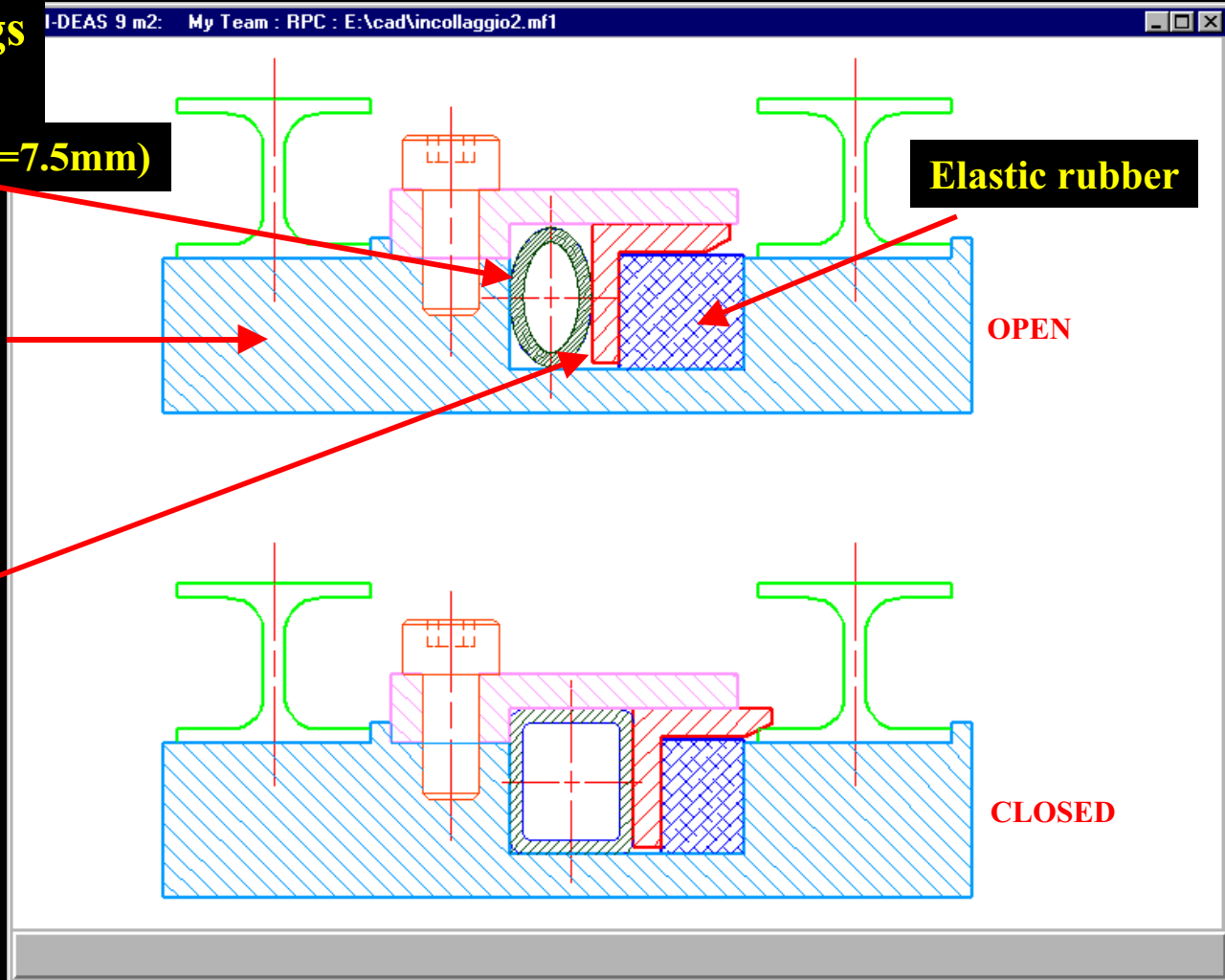


I beam tool drawings (P.Mereu)

Inflatable tube (2.5m, $\phi=7.5\text{mm}$)

12.7 mm ALCOA support

Commercial profile

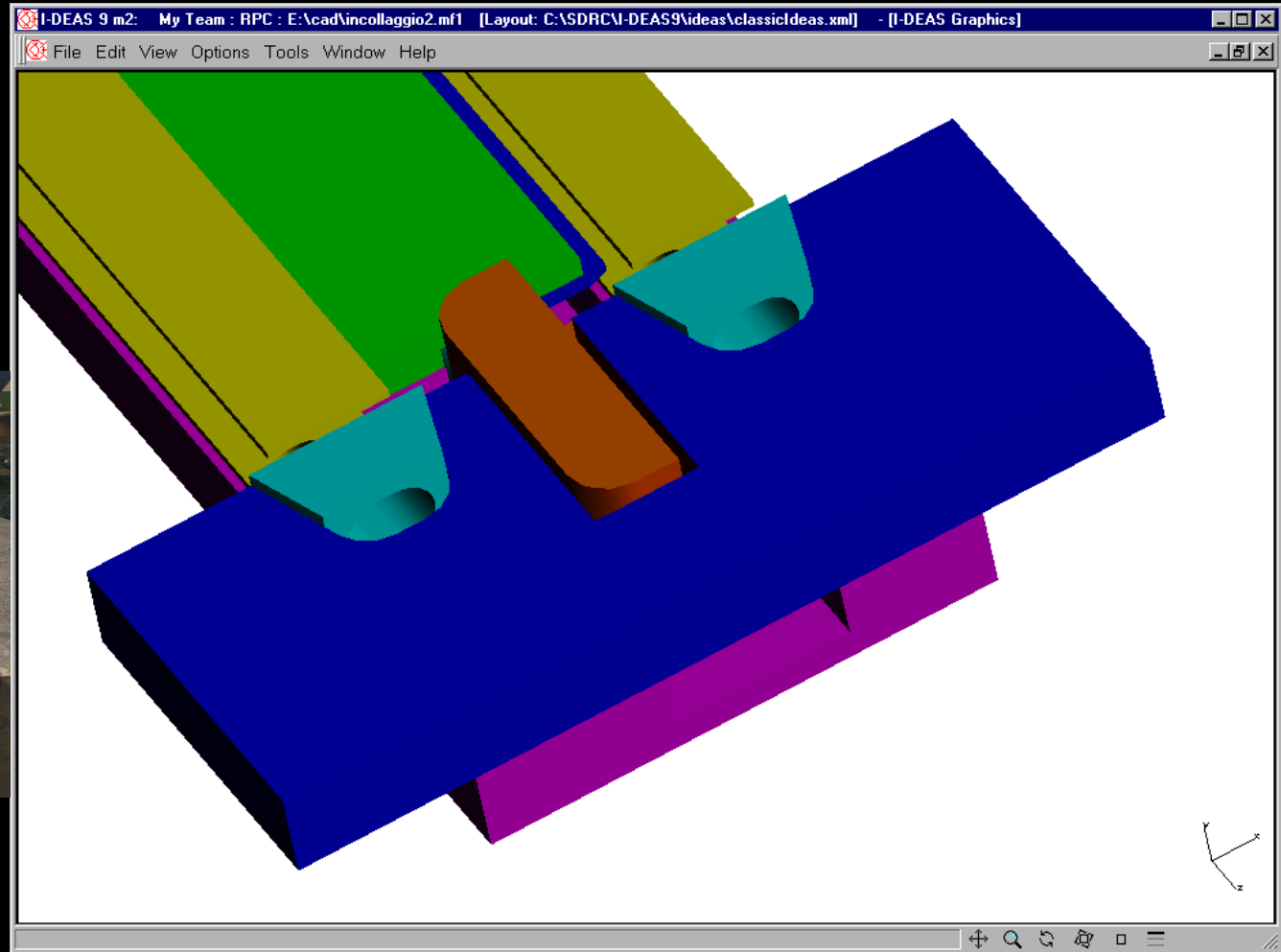
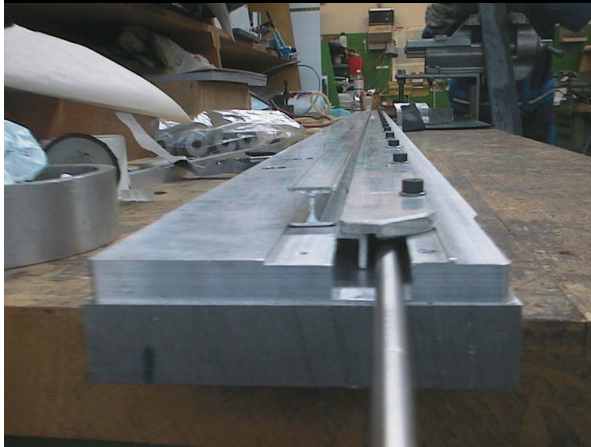




Status of MB4 Production Preparation



**Full scale
prototype
machined and
tested successfully**





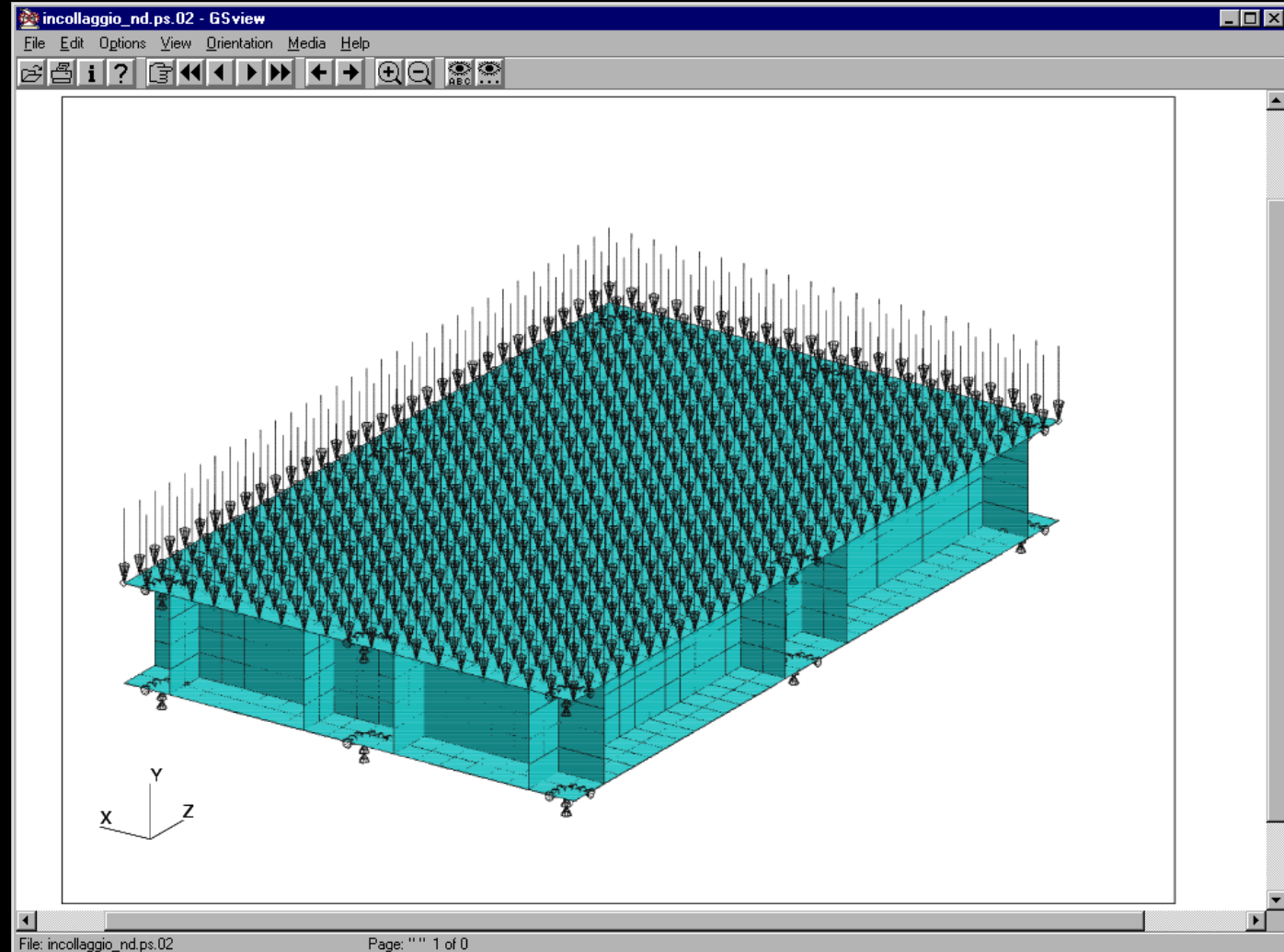
Status of MB4 Production Preparation



**Main Structure:
Rohacell
Sandwich**

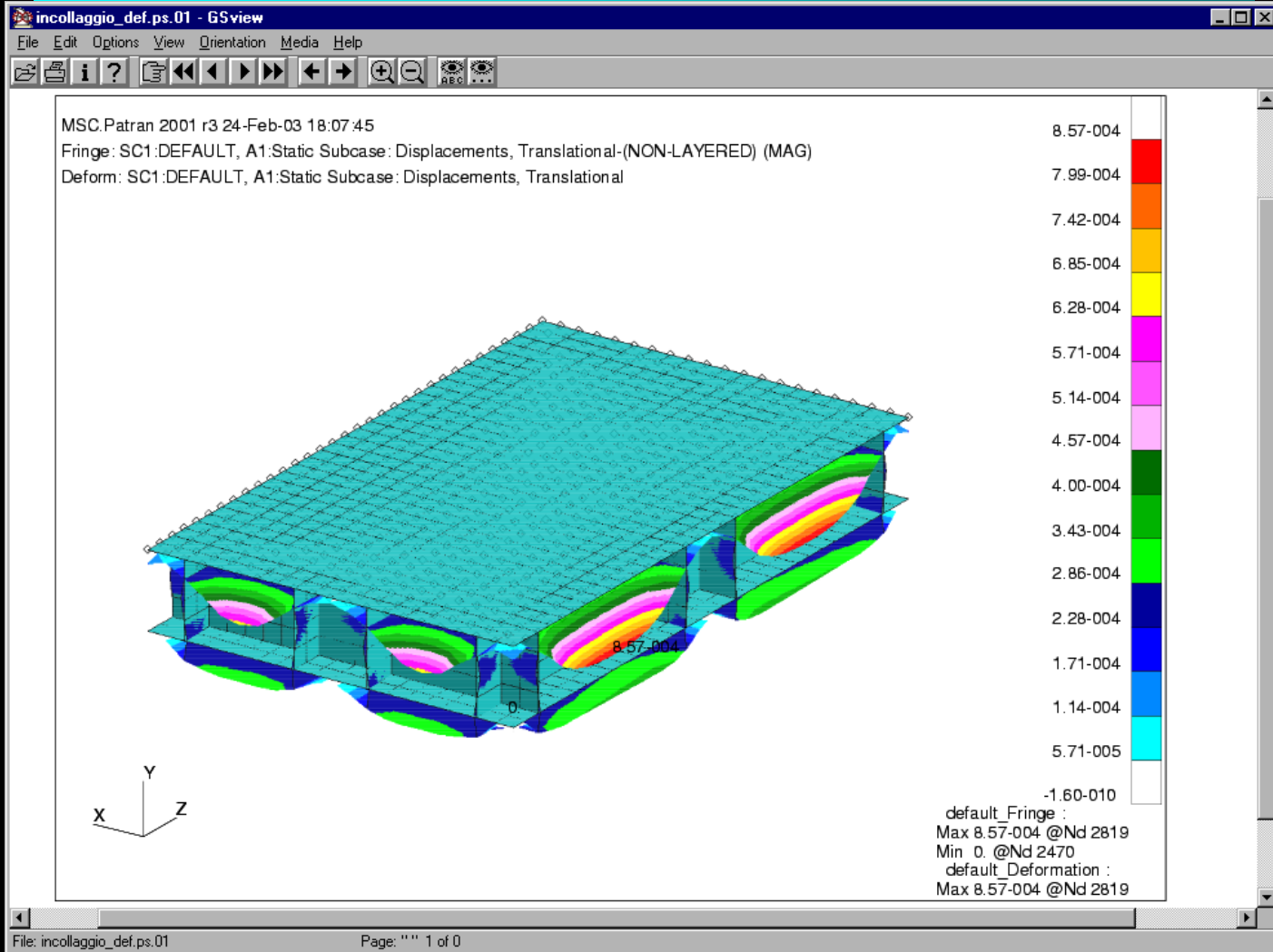
Thickness 500mm

Load 5000N





Status of MB4 Production Preparation





Status of MB4 Production Preparation



- **Executive drawings by the end of march**
- **I beam tool operational end of may**
- **Start 1st chamber assembly in june**