

communication

- the W4 (integration) have a regular meeting any Monday at 9 a.m. where WP5(Services)/WP6(R&D) are invited as well as Elisabetta. any communication and notes of the meeting is logs
- the rules to access LNF (but are the same at LNGS) are now more restrictive nobody can access to any laboratory of LNF if not hosted or associated to LNF. I'll not allow anyone to access if not correctly accredited
- the 28 and 29 Set. we have organise a treating on the usage of cloud infrastructure:
 - the training is in Italian and is also valid for INFN credit for employed
 - the course will be in presence and form remote.
 - any one would lite to participate have to register <https://agenda.infn.it/event/36857/> (because of credential and eventually to access LNF)

experiment Wiki page - integration - WP4

<https://github.com/CYGNUS-RD/WIKI-documentation/wiki/Integration>

Integration

Giovanni Mazzitelli edited this page 2 minutes ago · 44 revisions

Page maintained by: Giovanni Mazzitelli



- [Weekly Design and Construction meeting ZOOM](#)
- logs of [communication and meetings note](#) 
- [Indico CYGNO meetings](#)
- [Latest update GM, VCI 2022, AI@INFN, Collaboration Meeting](#)

LIME

- [LIME Gantt](#)
- [LIME TDR/PRA/VIA](#)

CYGN004

- [TDR](#)
- [CYGNO Gantt](#)
- [WBC](#)

more ...

- [CADs](#)
- [RAE](#)

Computing Infrastructure and Middle Ware

- [Computing infrastructure](#)
- Repository <https://github.com/CYGNUS-RD/middleware>
- cygno library and tools <https://github.com/CYGNUS-RD/cygno>
- DODAS dev for [CYGNO](#), official repo [DODAS](#)

GENEARAL

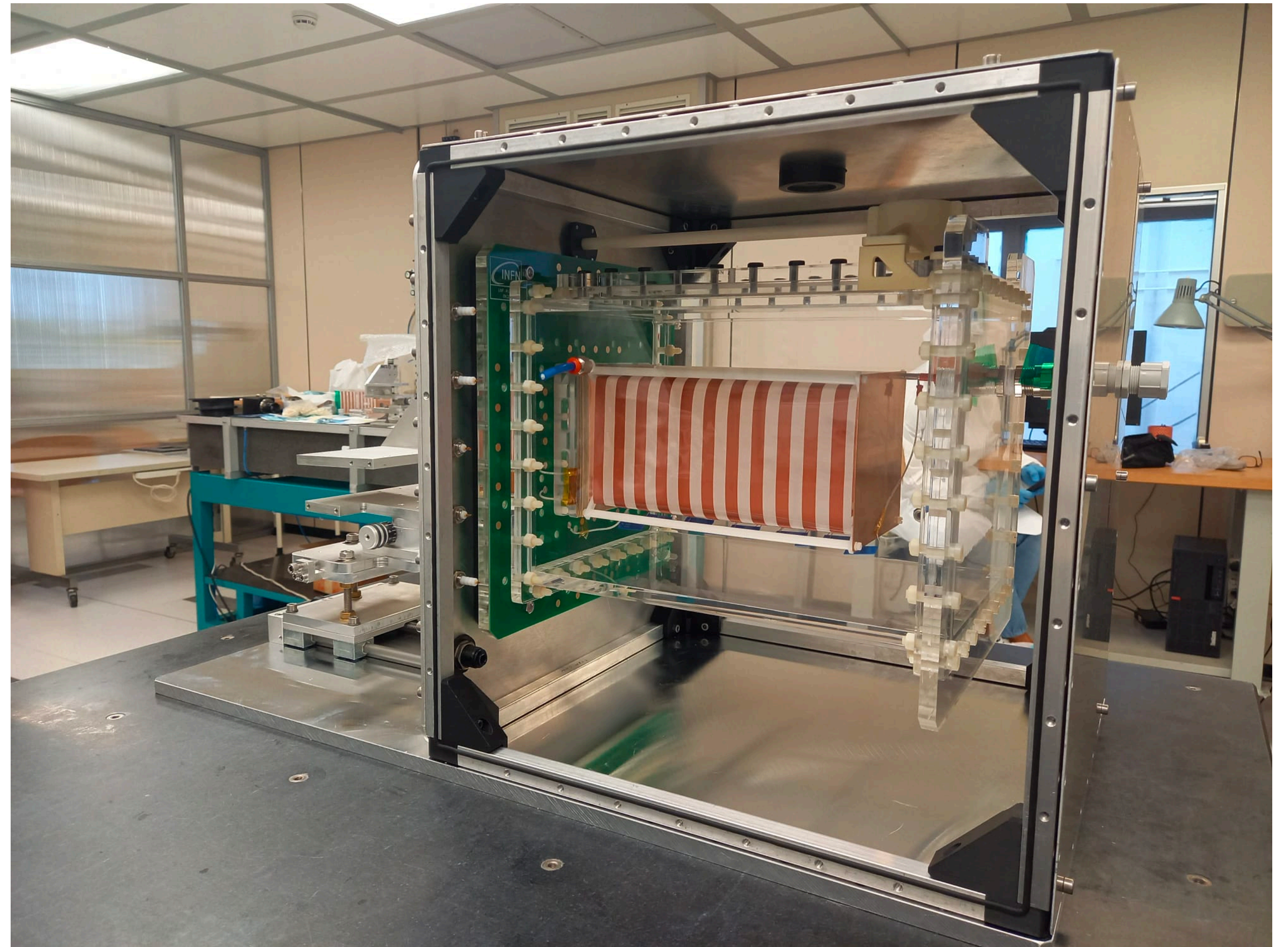
- GUEST ACCESS LNGS <https://www.lngs.infn.it/en/acces-rules/> (to be sign by Baracchini)
- GUEST ACCESS LNF <http://dr.lnf.infn.it/dr-users/external-users/> (to be sign by Mazzitelli) 
- LNGS Authorised users lists: [PDF 1](#), [PDF 2](#)
- Usage and Access to CYGNO [Computing Infrastructures](#)

on going

- LNGS:
 - continuous maintenance (many for trip is finish...)
 - still missing 1) pump etc, to solve the gas system issues; 2) plans for shortcoming test with alternative source; 3) plan for next longterm measurements (water!?)
- LIME2/GIN
 - ready to go... (see next)
- CYGN04:
 - civil work: procurement (executive layout of control room and service box, services: power, network, air conditioning, compressed air), VINCA (regione Abruzzo), procurement (GSSI) —>RUP (see next)
 - detector design — we are in late: lack of resources, too preliminary information about the real decision on the detectors (a stress one again that a montecarlo is still missing)
- MANGO:
 - small continuous upgrade ongoing (windows test)

GIN

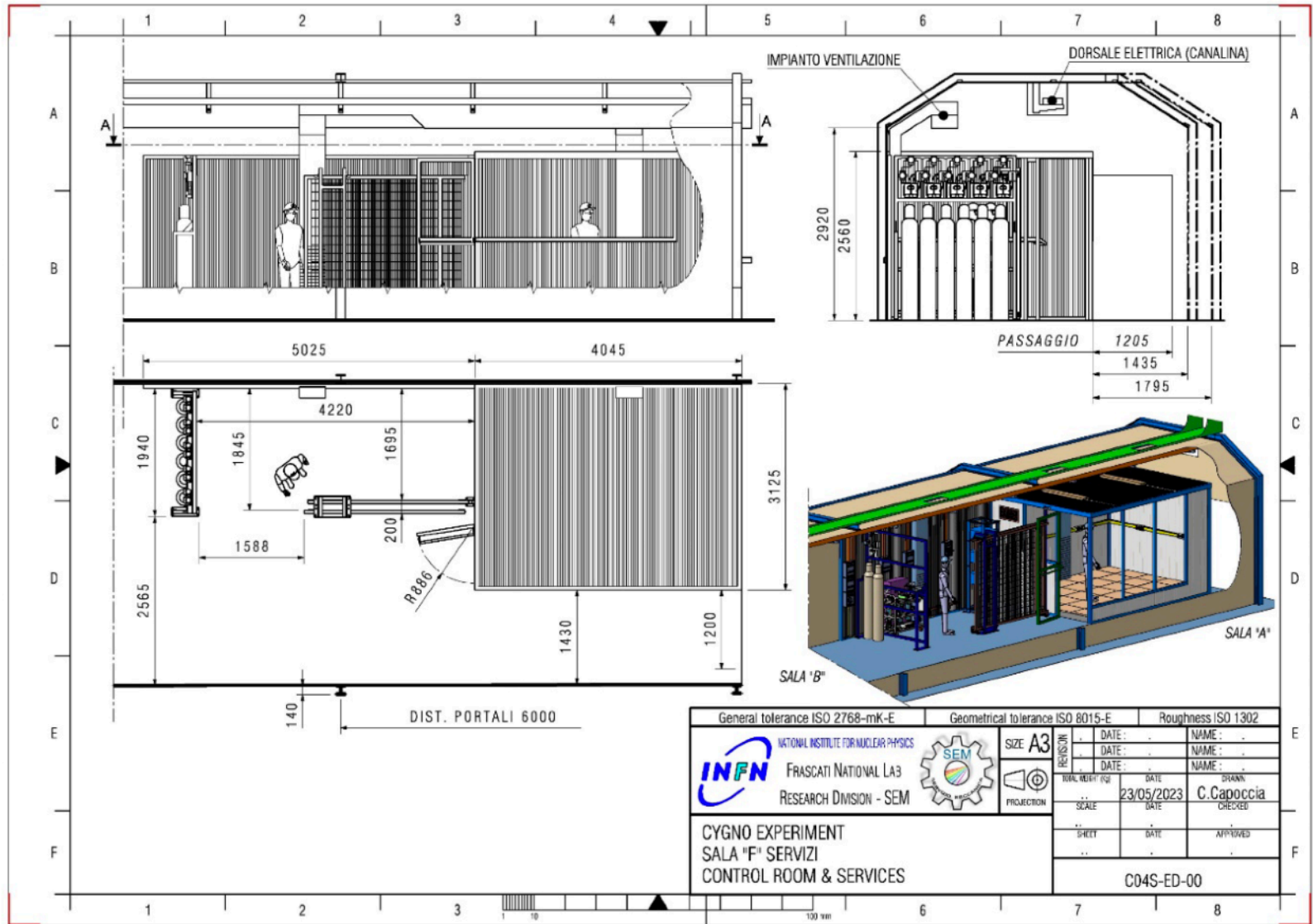
- mechanics ok
- next week the detector will be installed instead of LIME2
- PMTs tested and ready (Nicholas)
- first test will start soon (nicholas, alex, giorgio)
- LIME2 will be shipped to ROME1



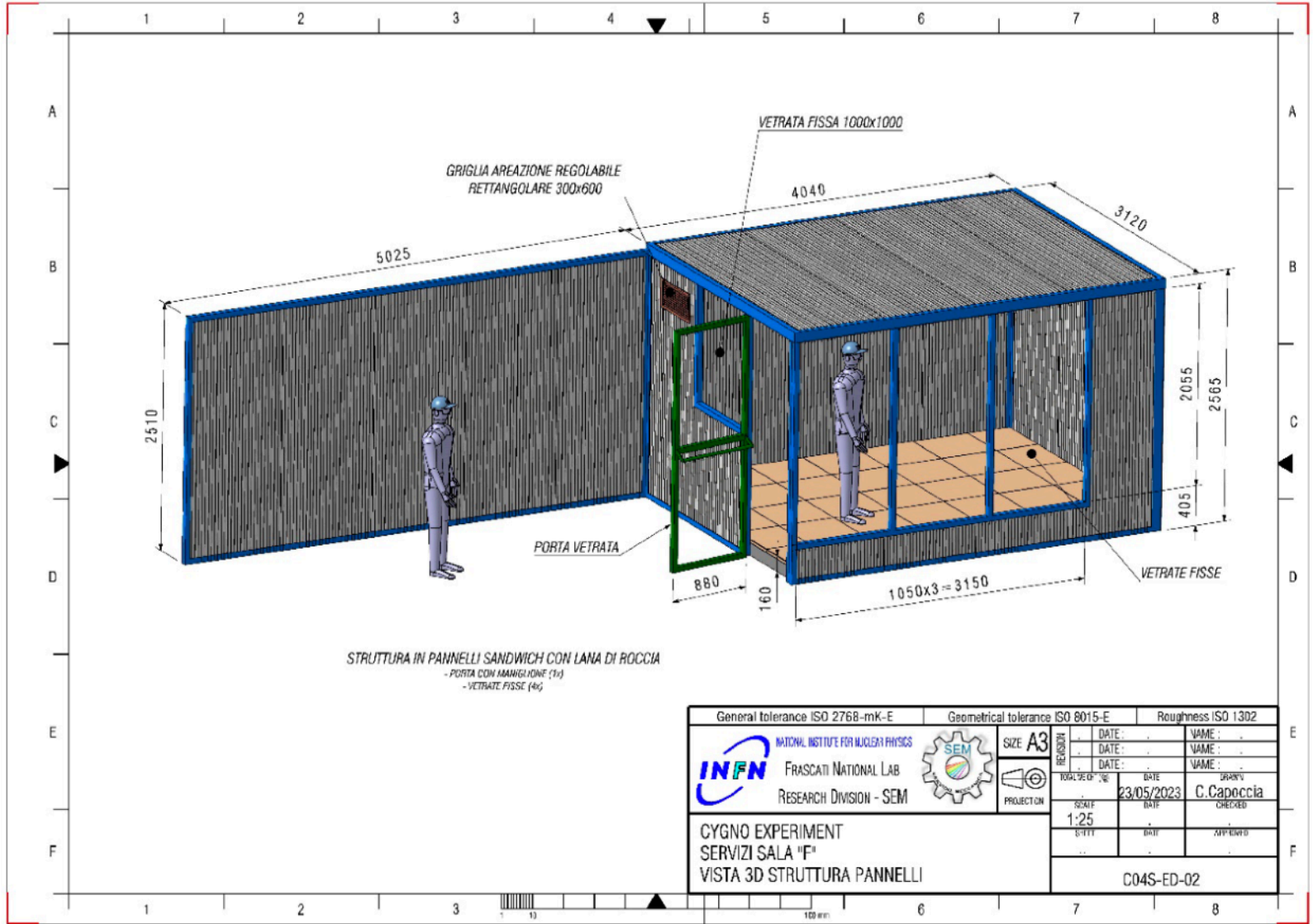
CYGNO04

civil works

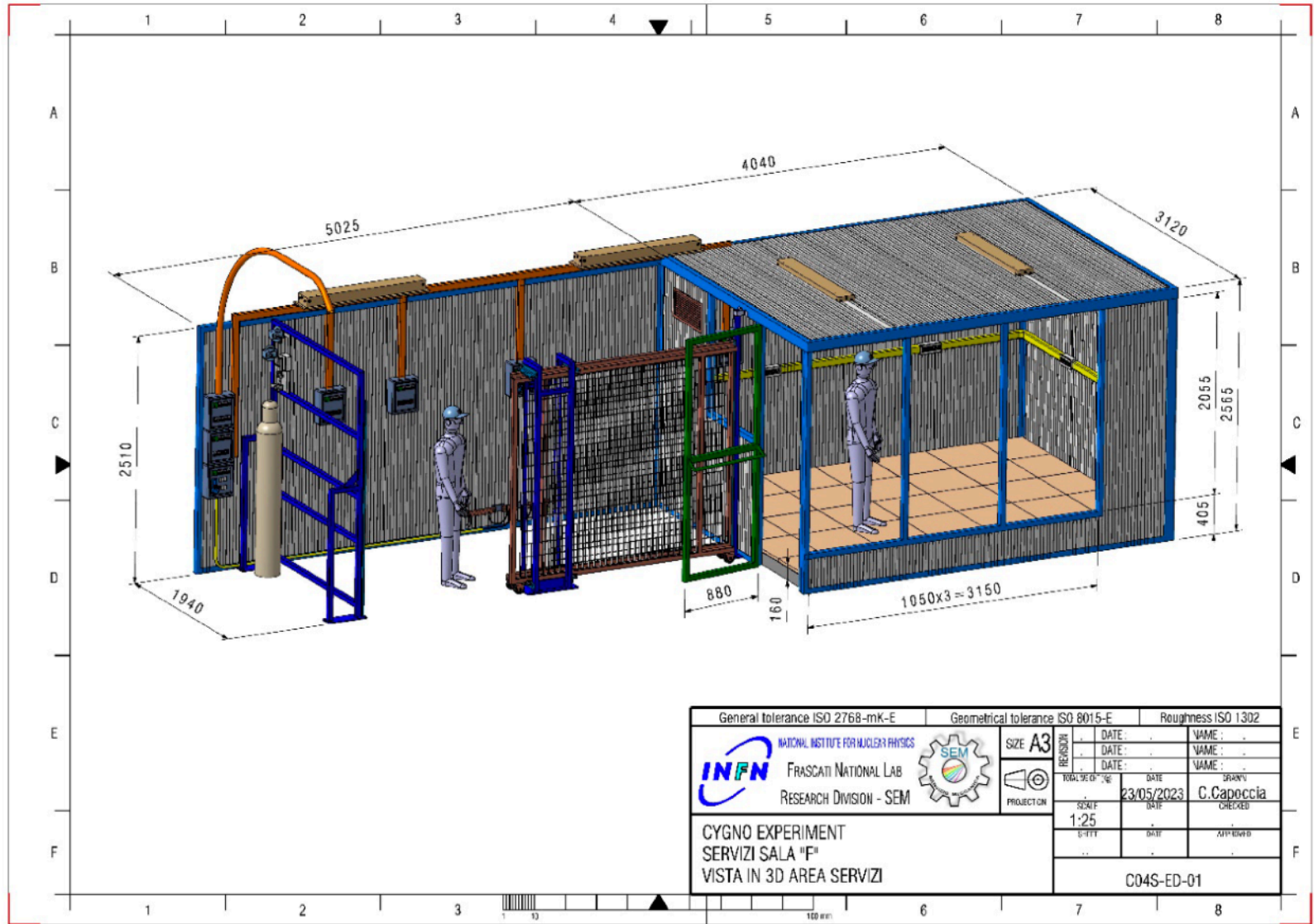
- control room with windows/floating floor/heating
- service box open air with two gates to roll in materials



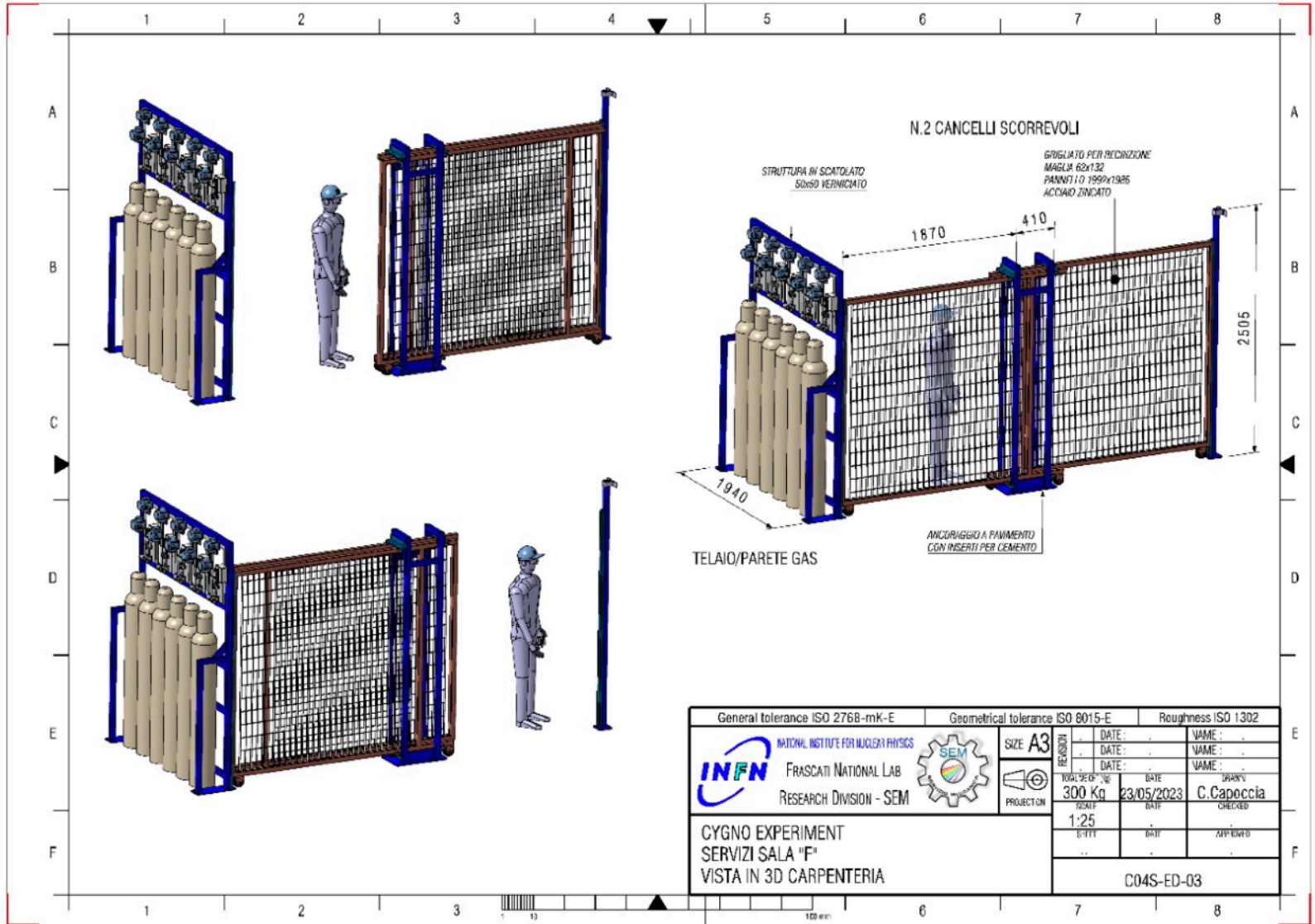
- All C04S-ED-00 Dettaglio servizi in pianta -



- All C04S-ED-02 Dettaglio pannellatura -



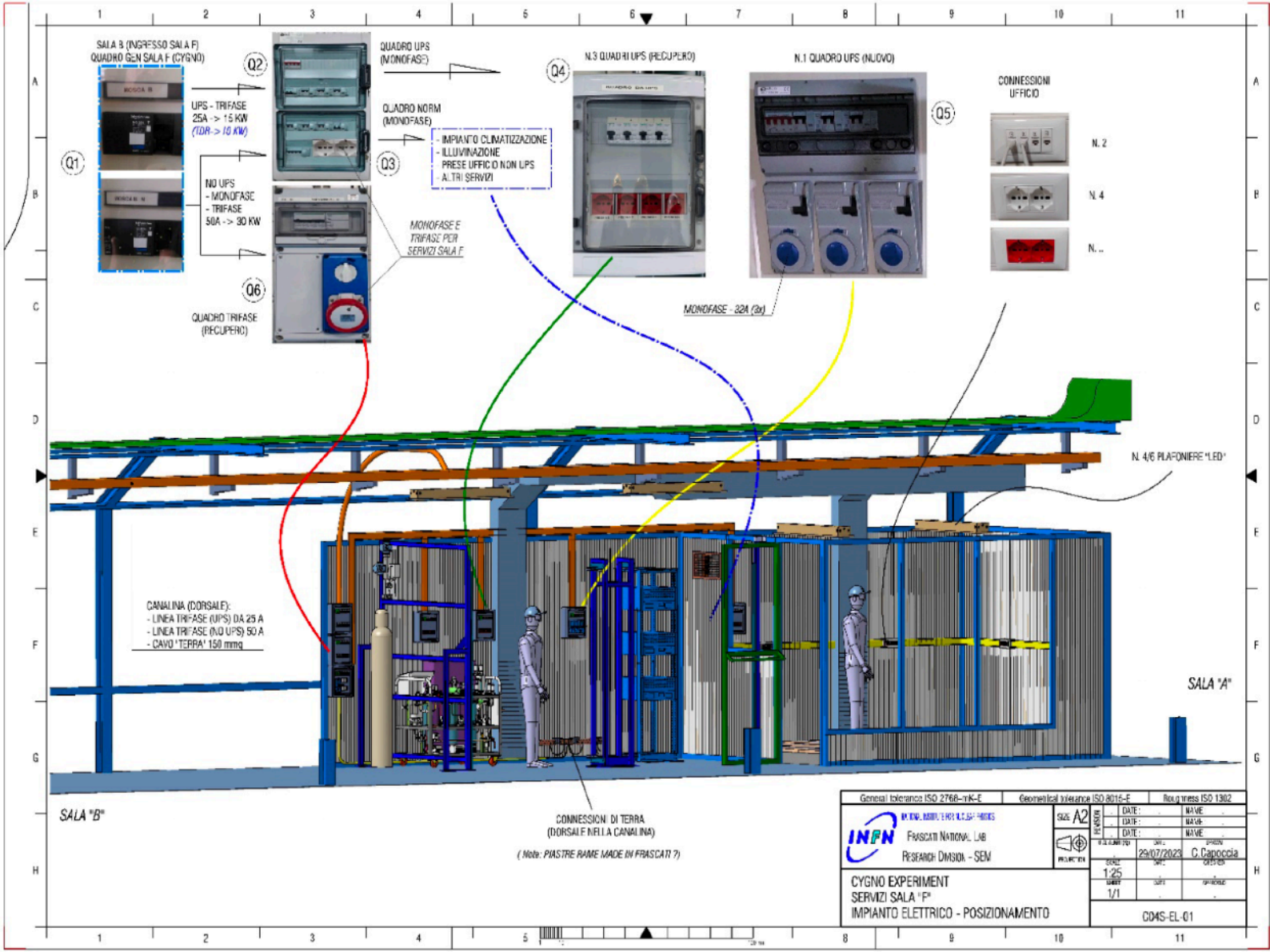
- All C04S-ED-01 Dettaglio servizi -



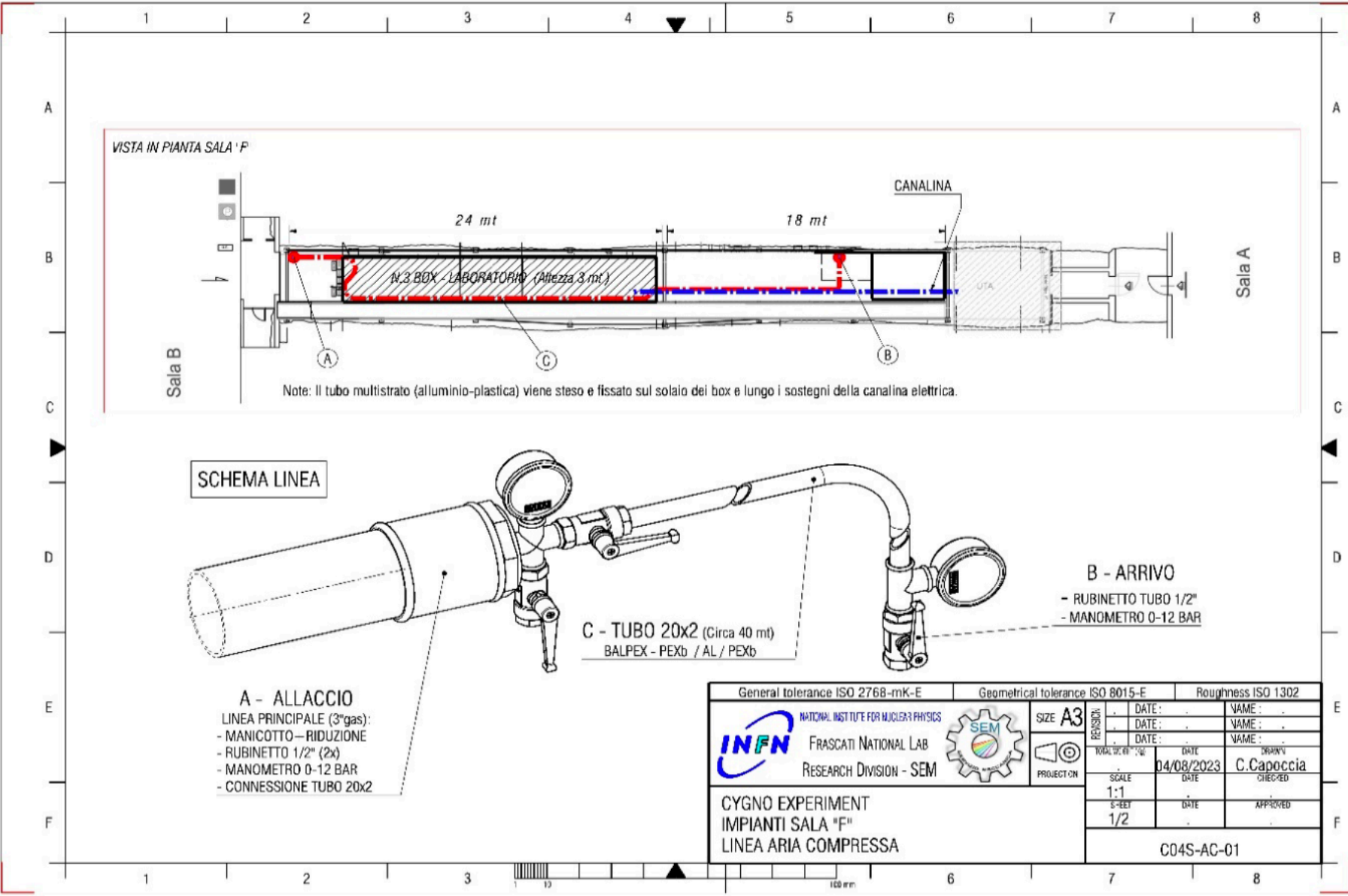
- All C04S-ED-03 Dettaglio carpenteria -

CYGN004

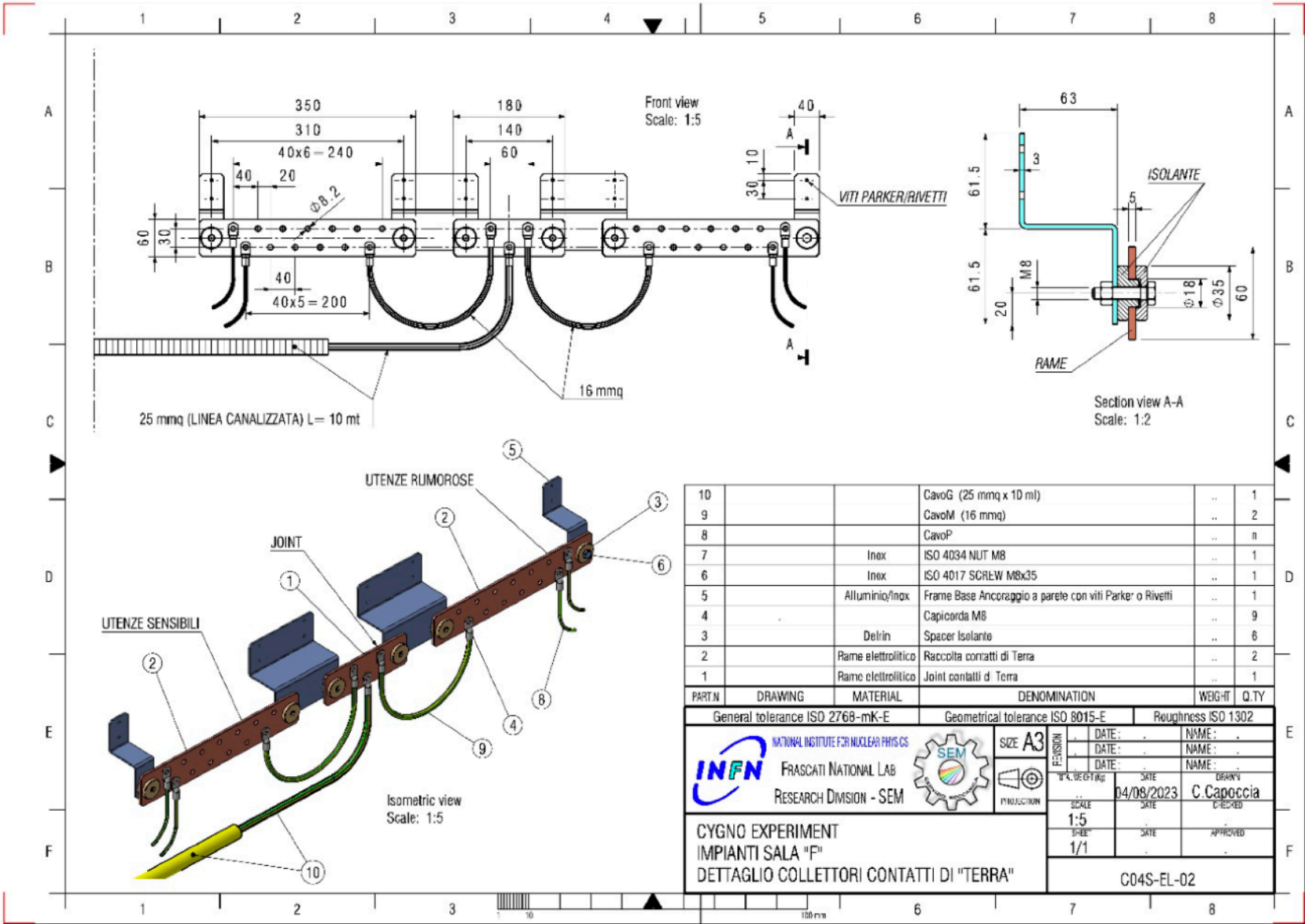
services



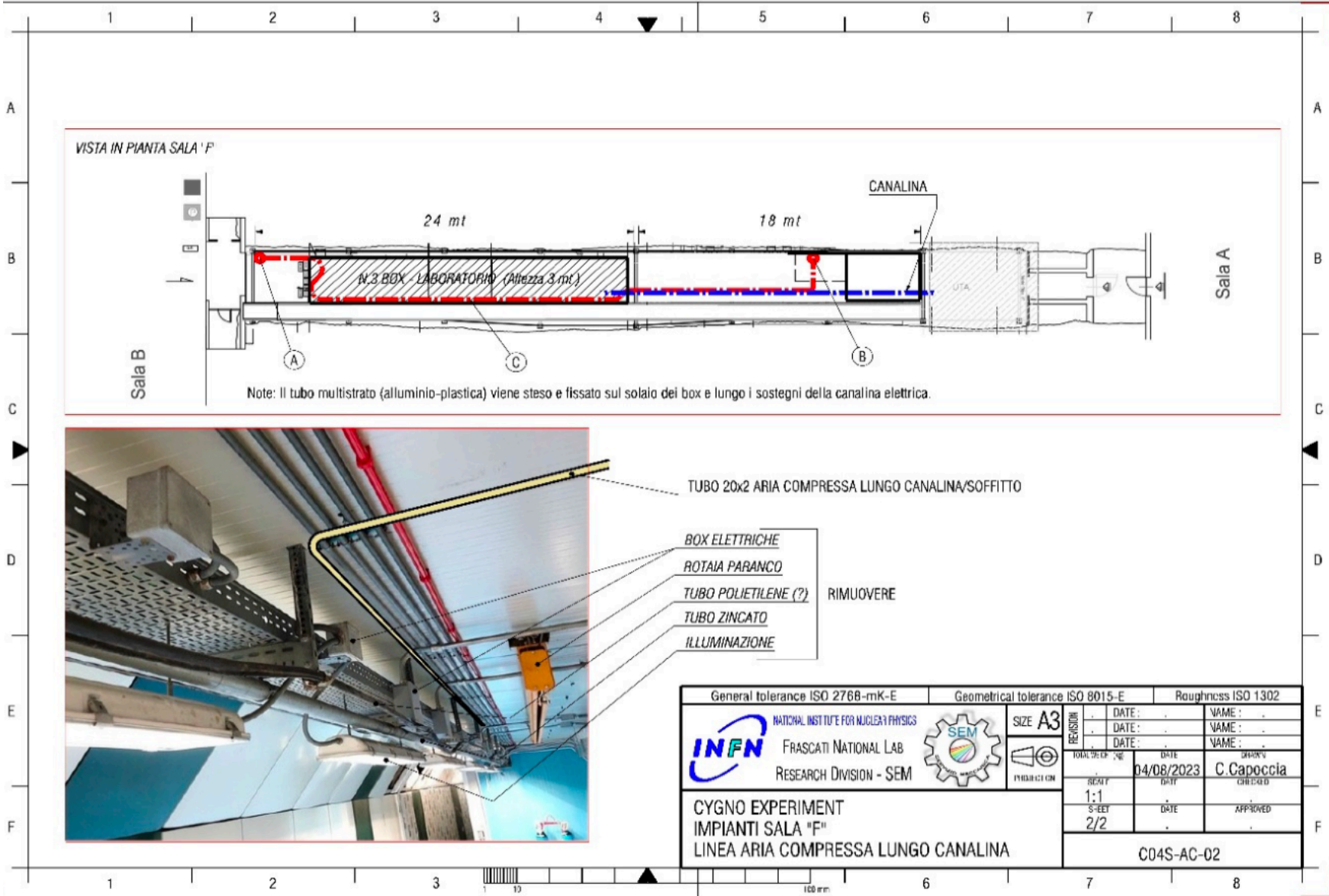
- All C04S-EL-01 Schema disposizione finale impianto elettrico -



- All C04S-AC-01 Schema componenti linea aria compressa -



- All C04S-EL-02 Collettore di terra a basso disturbo -



- All C04S-AC-02 Percorso linea aria compressa -

Physics WP1		Analysis WP2		Simulation WP3		Detector WP4		Services WP5		R&D WP6		Management WP7	
Elisabetta Baracchini		Emanuele Di Marco		Giulia d'Imperio		Giovanni Mazzitelli		Francesco Renga		Davide Pinci		Elisabetta Baracchini Giovanni Mazzitelli Davide Pinci	
Task	Coordinator	Task	Coordinator	Task	Coordinator	Task	Coordinator	Task	Coordinator	Task	Coordinator	Task	Coordinator
Dark Matter	G. Dho	Reconstruction Development	E. di Marco	Prototypes with GEANT	G. d'Imperio	Design	S. Tomassini	DAQ	A. Messina	ECO-GAS studies	D. Piccolo	INFN Responsible	D. Pinci
Solar Neutrinos	S. Torelli	Online-Offline software integration	G. Mazzitelli	Nuclear interactions with SRIM	F. di Giambattista	Integration	G. Mazzitelli	Trigger	H. Lima	Negative Ions	E. Baracchini	Technical Coordination	G. Mazzitelli
Super Nova DM	E. Baracchini	Data Analysis	E. di Marco	Gas properties with Garfield	D. Pinci	CMOS sensor	R. Nobrega	HV	F. Renga	Gas Mixtures	F. Amaro	Publications and Conferences	G. Maccarrone
Sensitivities and discovery potential	G. Dho	Software Maintenance	E. di Marco	Sensor performance	R. Nobrega	GEM	L. Benussi	Gas System and Slow Control	F. Renga	Field Cage	G. Mazzitelli	International Collaborations	E. Baracchini
Migdal	A. Messina	Infrastructures	G. Mazzitelli	Integration	F. Petrucci	Performance Studies	D. Pinci	Gas Purification	R. Gregorio	Gas Luminescence	D. Pinci	Safety and Environment	G. Mazzitelli
LNGS Neutron Flux	F. di Giambattista			Infrastructures	G. Mazzitelli	Light Sensors	F. Iacoangeli	Calibration	G. Cavoto	Alternative MPGD	E. Baracchini	Call Applications	E. Baracchini
								Storage and Networks	G. Mazzitelli				

Table 8.2: Working Packages (WP) and WP leaders of the CYGNO/INITIUM project