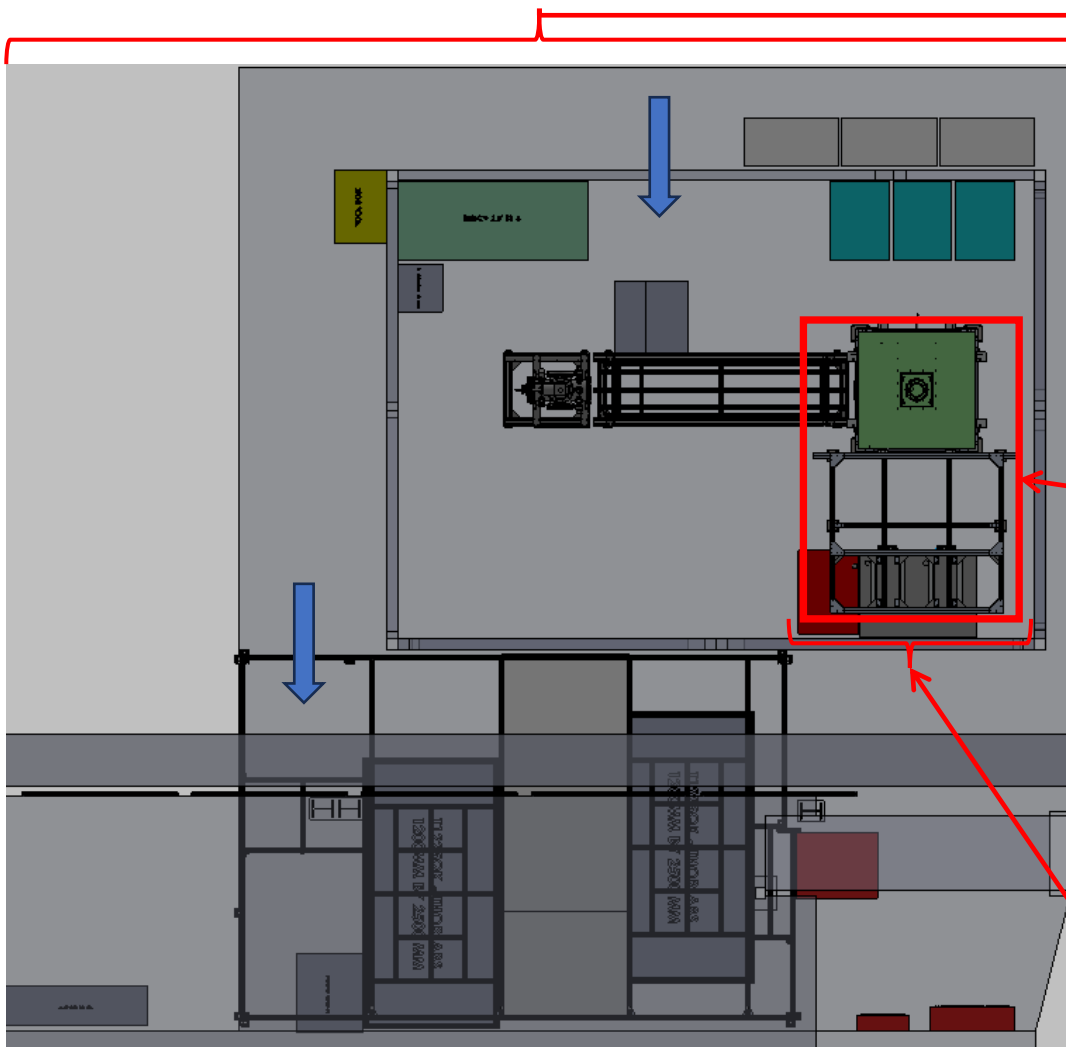


HAICU TRIUMF Infrastructure status and schedule

Nicolas Massacret

February 09th , 2026



HAICU Experimental area: Top View

Electrical upgrade:

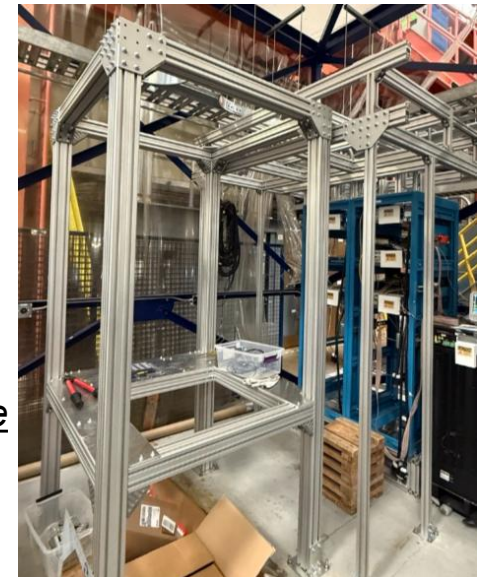
- Engineering drawings (2025)
- Installation (2025)
- NB: Electrical services to stamp the drawings (in progress)



Electrical upgrade

Traps Support structure:

- Design (2024)
- Engineering approval and construction (2025)



Support structure

Traps Electrical services:

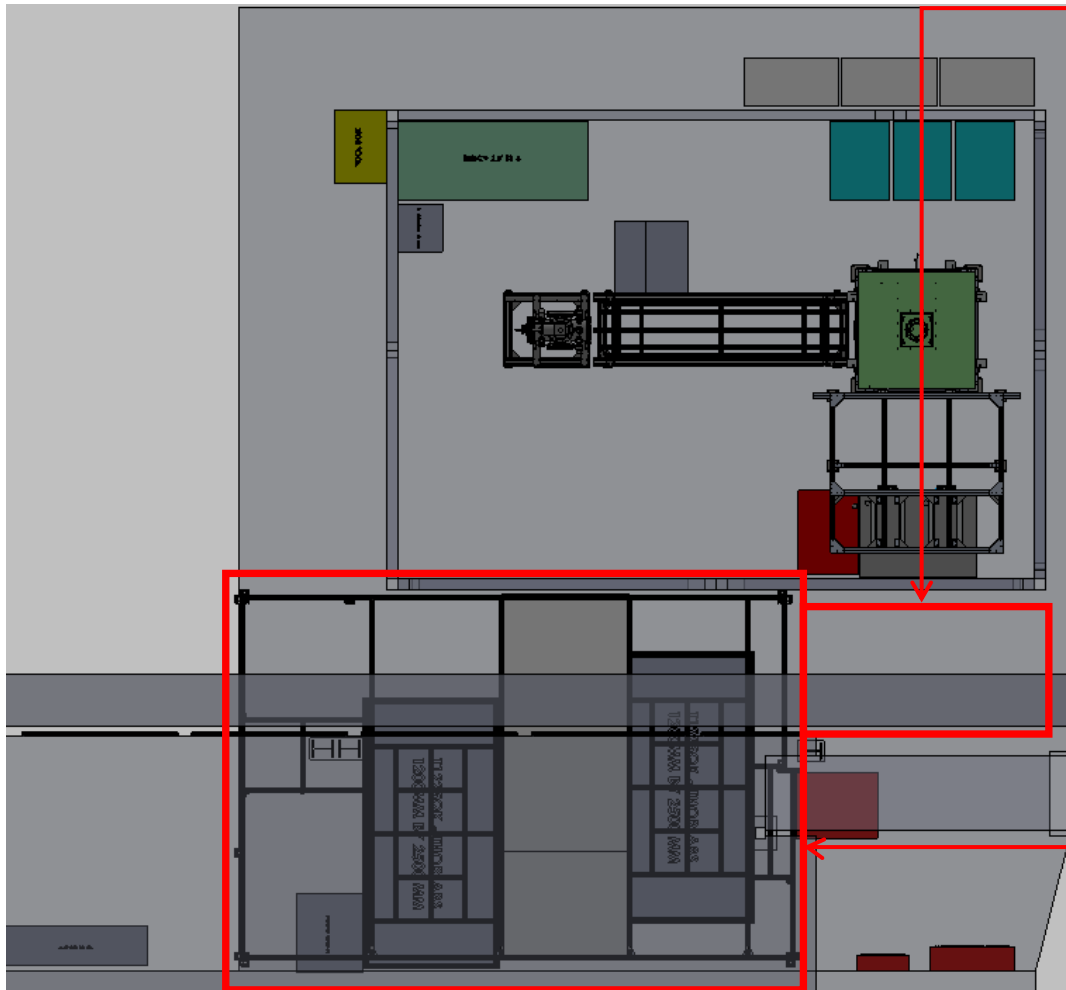
- Procurement (2025)
- Installation starting this month (not started)

Traps Water cooling:

- Water manifold starting this month (not started)
- No schedule for 10-15 l/s water supply (will start run with 5 l/s)

Laser hut:

- Optical table installation (2024)
- Optical tables shelves (2025)
- Air conditioner system (2025)
- Room structure (In progress)
- Interlock system (Not started)



HAICU Experimental area: Top View



Laser hut: inside

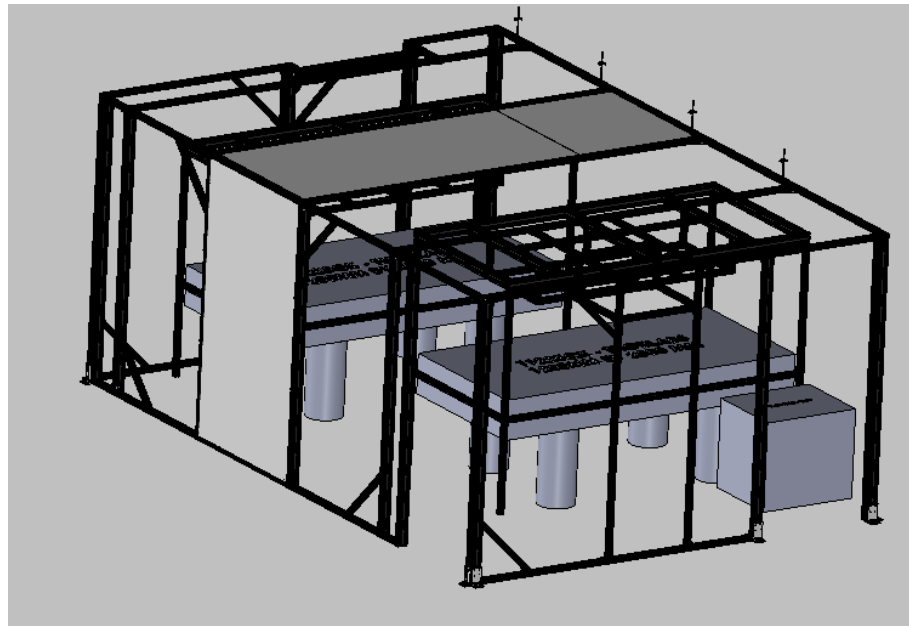
Laser room update:

2025:

- Room features triggered need of engineering review for seismic compliance (November)
- Refine requirements (no need of UBC permit) find contractor, and sign contract (December)

2026:

- Final drawings expected to be done in February.
- Modification of the room and review: end of March/early April (affected by parts procurement)



Laser hut

HAICU schedule		Month	January					February				March				April				May					
February 9th, 2026		Week #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
	Comment	Date	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####	####					
Infrastructure																									
Laser Hut	Procurement risks			Engineering drawings					Procurement/Modification					Commissioning											
Power supply Cabling				Procurement					Copper parts		Cables														
Water Manifold				Procurement					Installation		Commissioning														
Trap																									
Coil	Quad #4 being repaired						Assembly		Test																
Quadrupoles							Proc #4		Assembly		Test														
Trap final assembly											Assembly on Cradle														
Cradle services	Trouble shooting										Services connection														
Services commissioning																									



Magnetic trap: Assembly in progress

Leaks managment, interlock tests, smoke test, ...

Trap craned on support structure

Assembly on Cradle

Services connection

Assembly

Test

Proc #4

Assembly

Test

Engineering drawings

Procurement/Modification

Commissioning

Procurement

Copper parts

Cables

Procurement

Installation

Commissioning

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