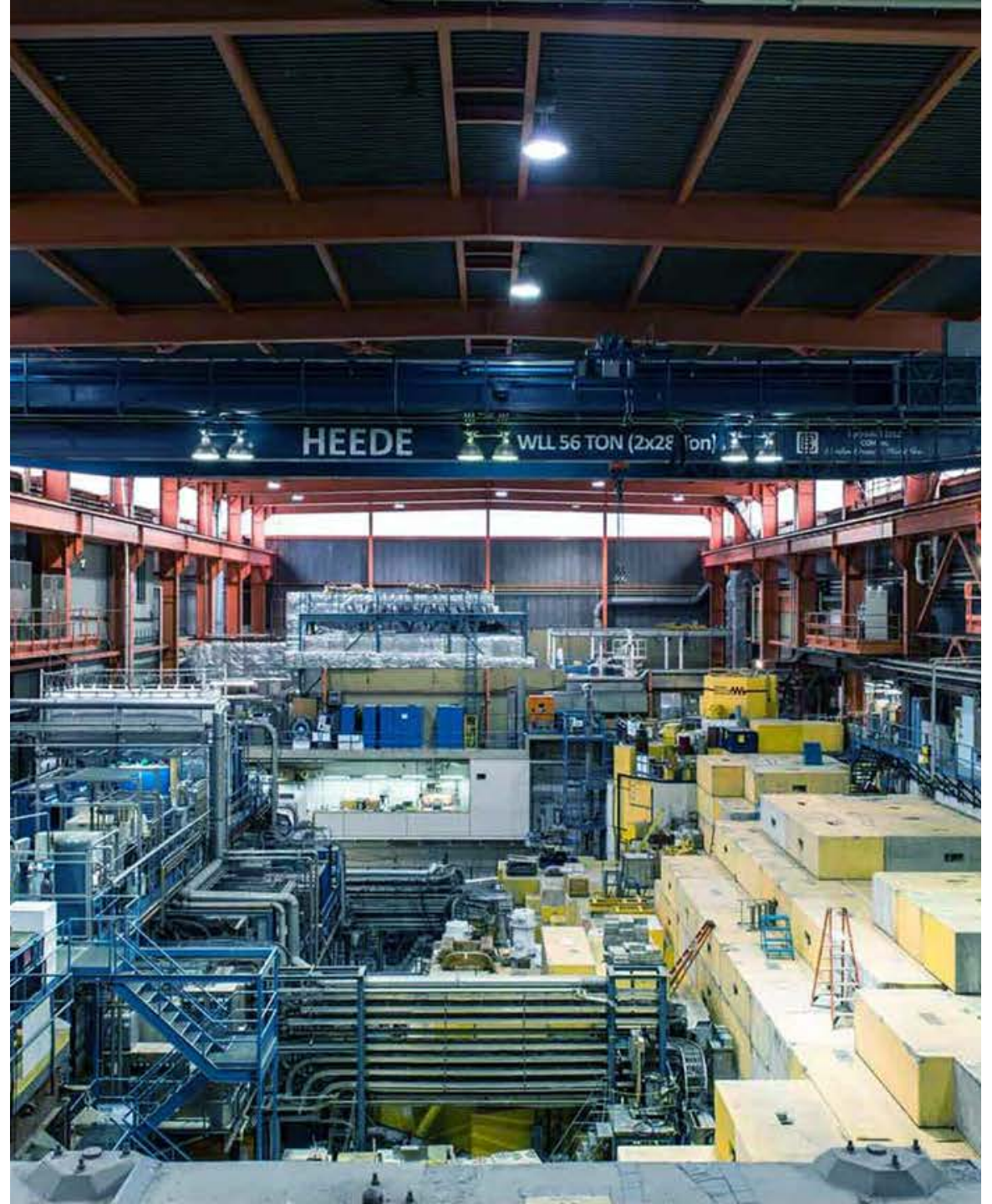


# Institute for Advanced Medical Isotopes (IAMI)

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Life Sciences Deputy ALD - IAMI

2018-11-20



# IAMI: The Institute for Advanced Medical Isotopes

Vision: IAMI will unite interdisciplinary partners to create a world-class centre for advanced isotope research, development, and production for the life sciences.



[bccancerfoundation.com](http://bccancerfoundation.com)

**Budget: \$35.5M+**

**Timeline: Break ground – June 2019**

**Substantial completion – March 2020**

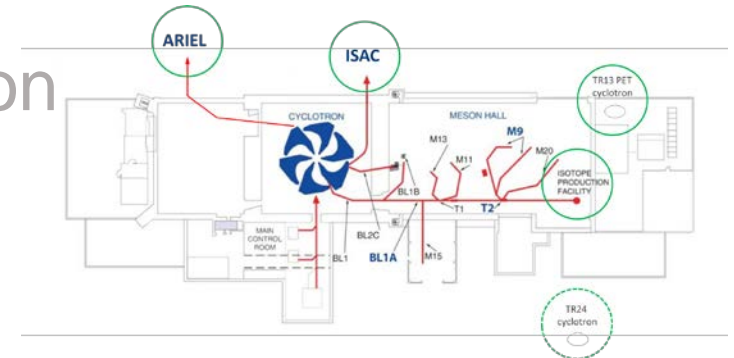
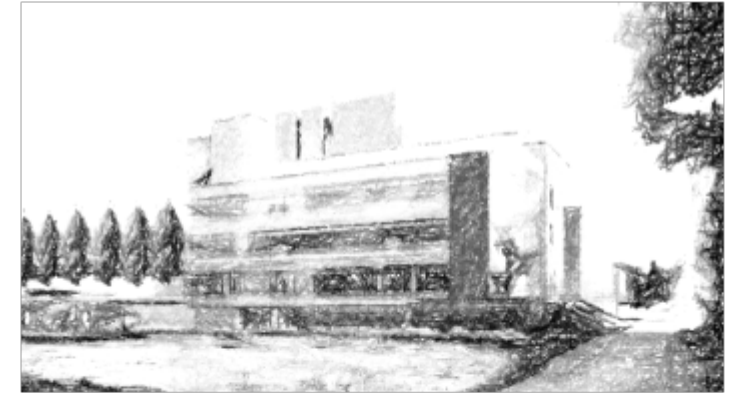
**IAMI Founding Partners**

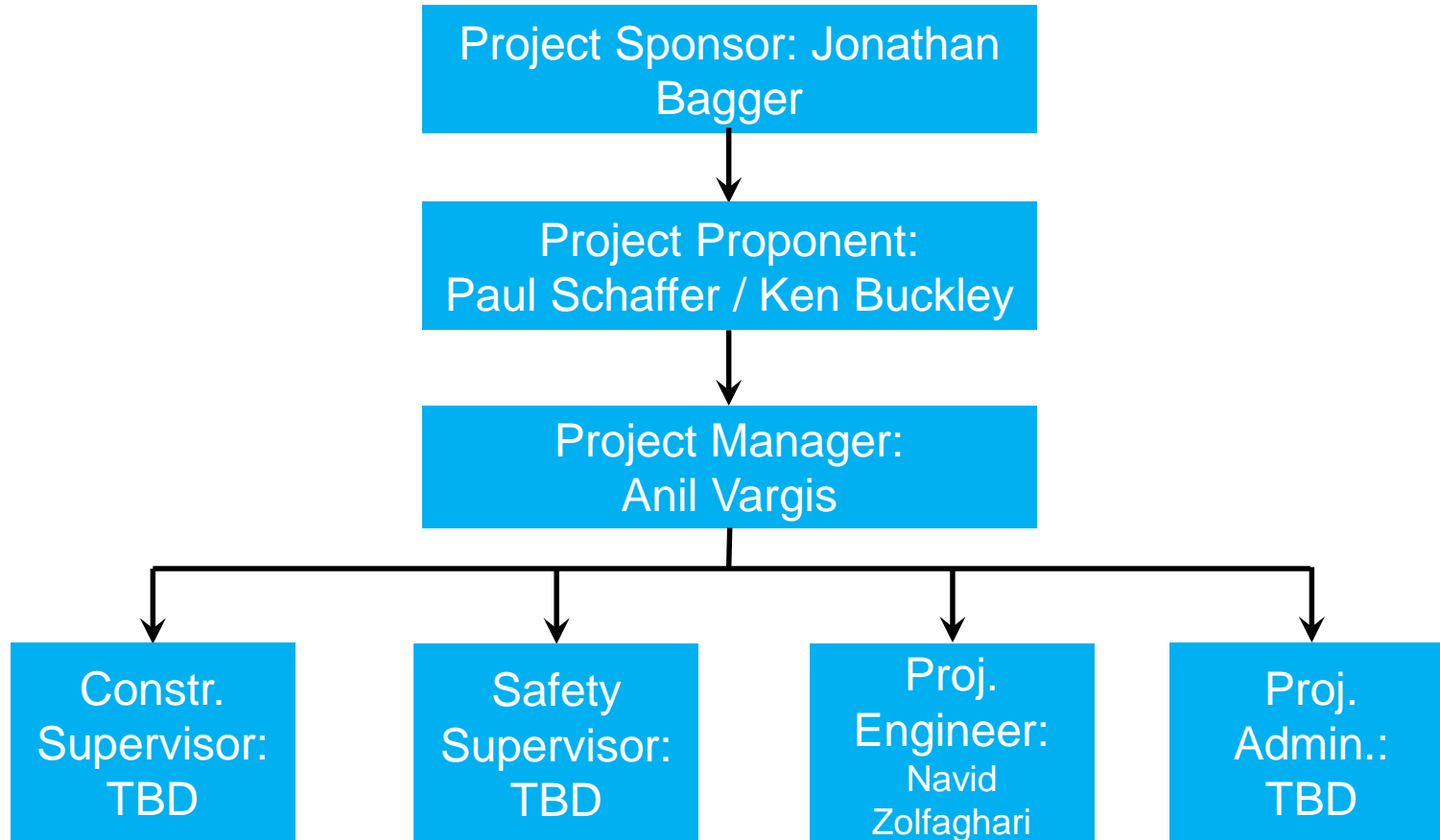




## IAMI: The Institute for Advanced Medical Isotopes

- A physical entity
  - a space that meets or exceeds current standard-of-practice for both nuclear and pharmaceutical processes
- A research hub
  - a space where researchers from multiple disciplines and different focus can interact
- A program
  - Isotopes sourced from a variety of production areas at TRIUMF, and potentially beyond

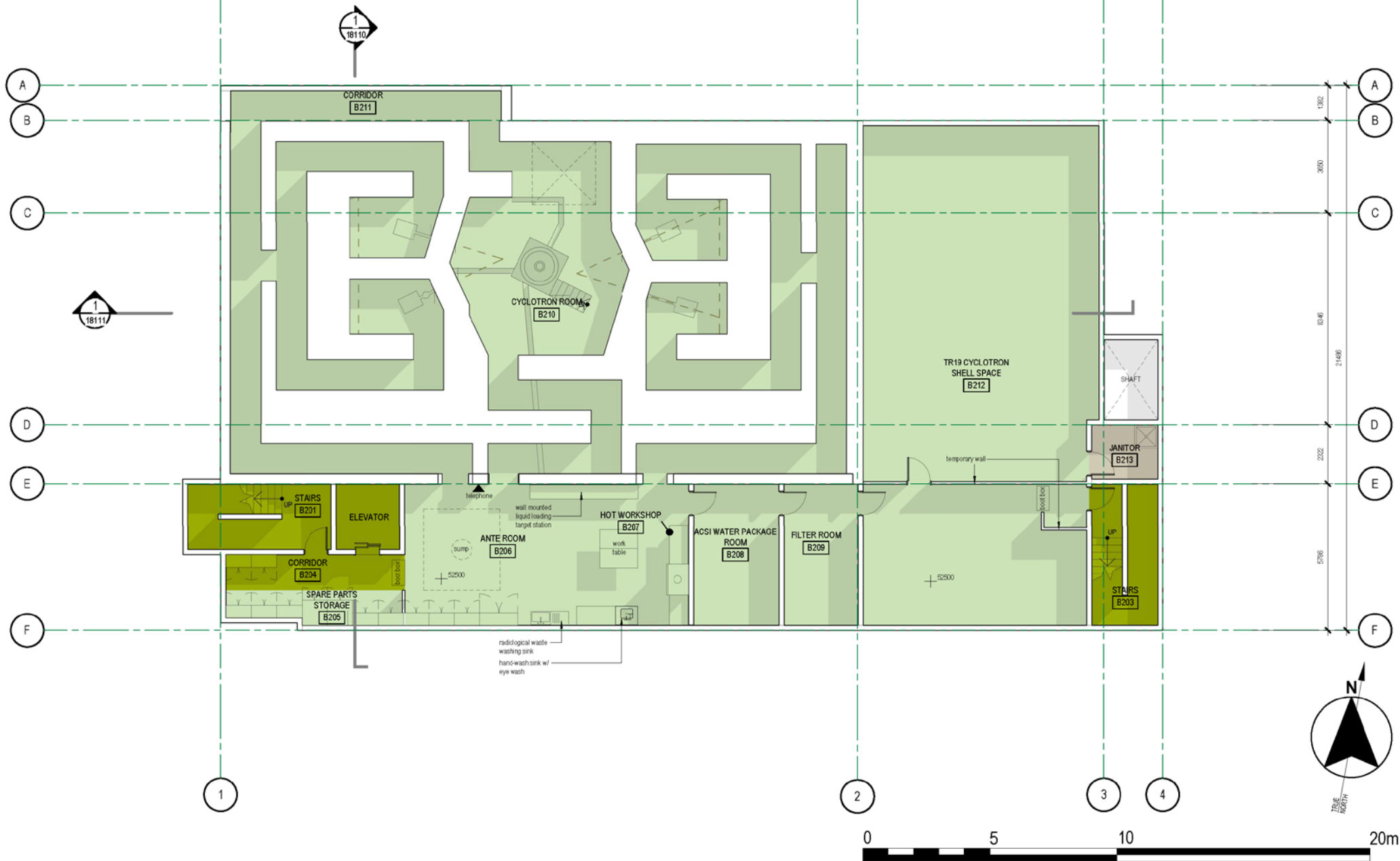


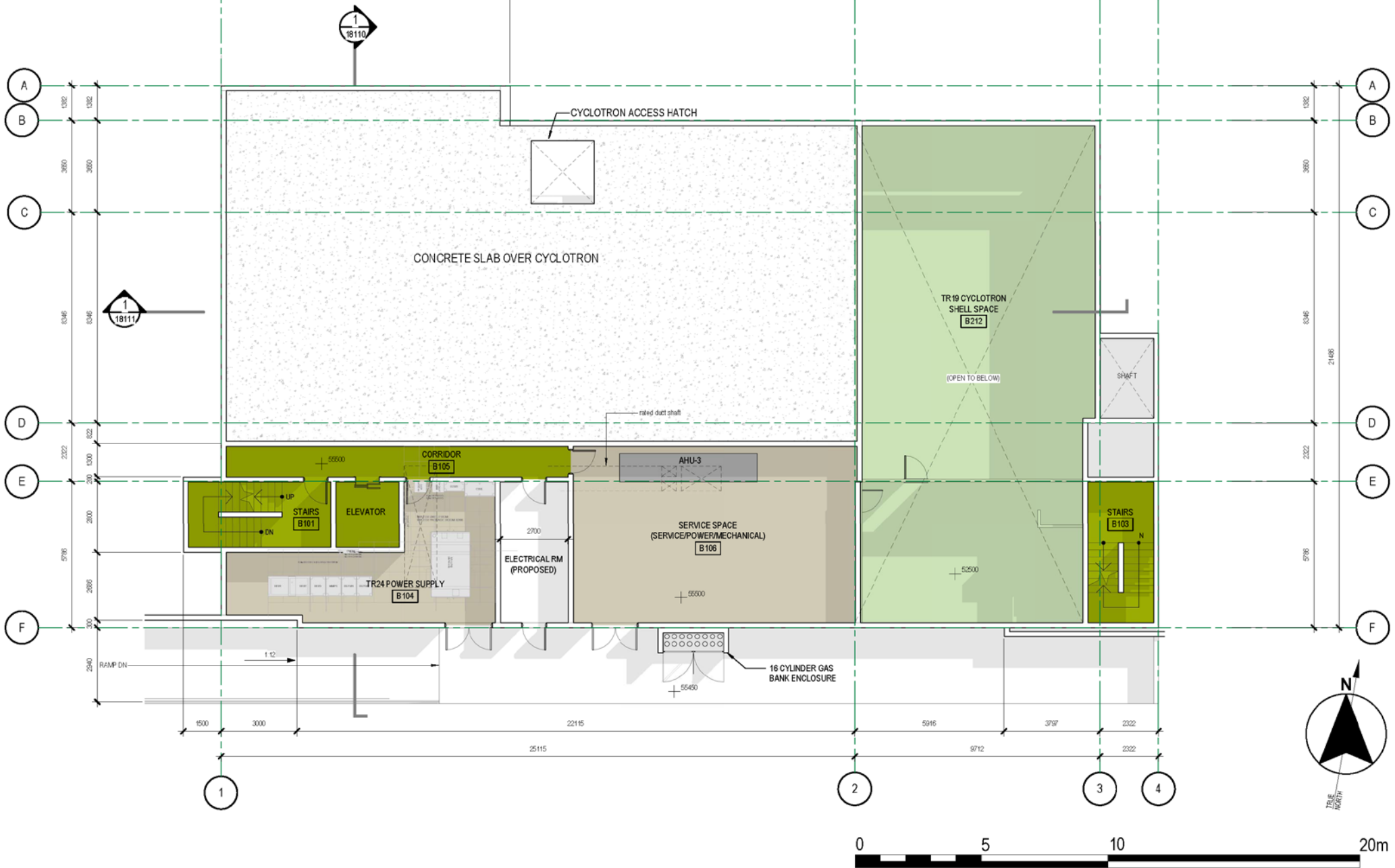






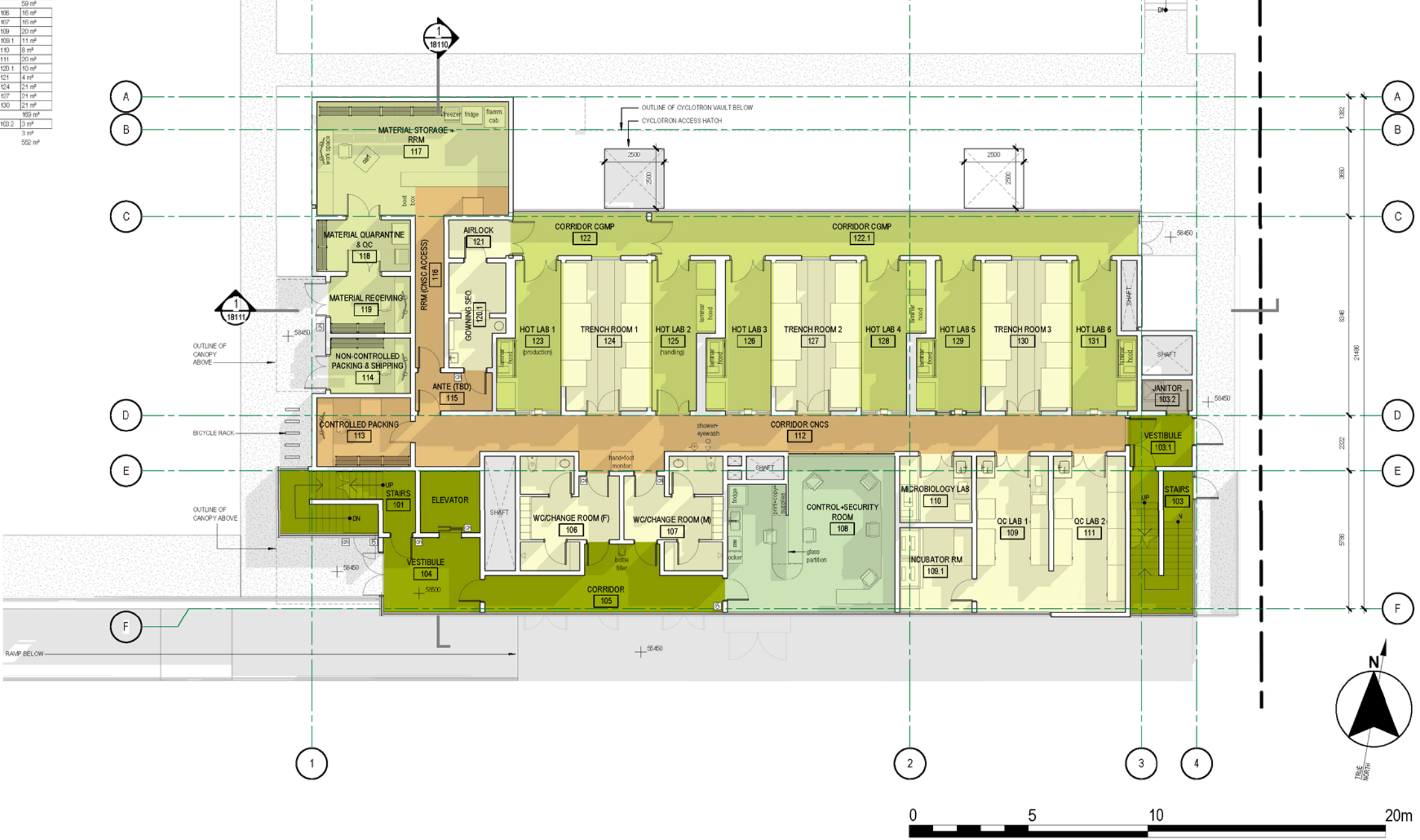


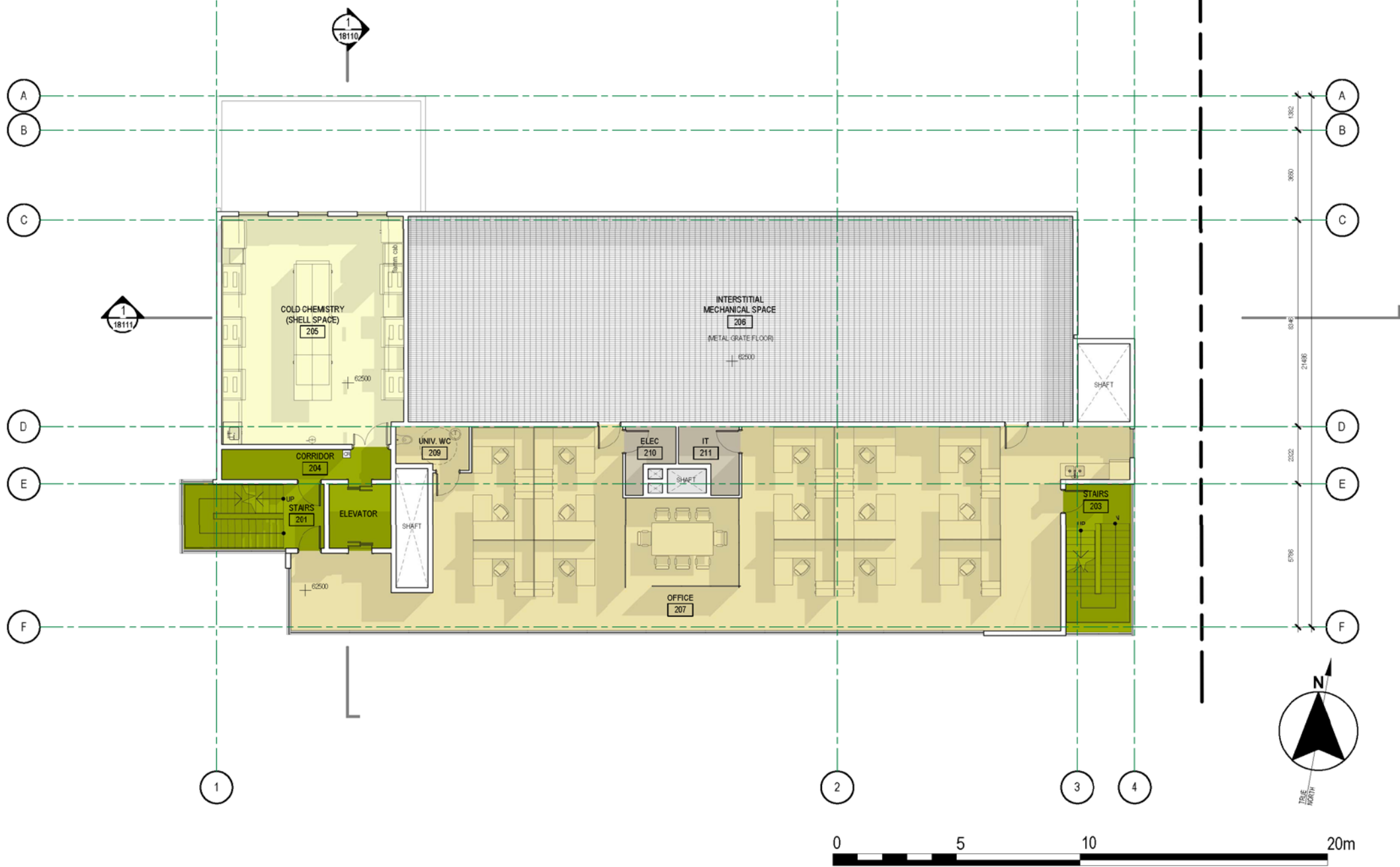


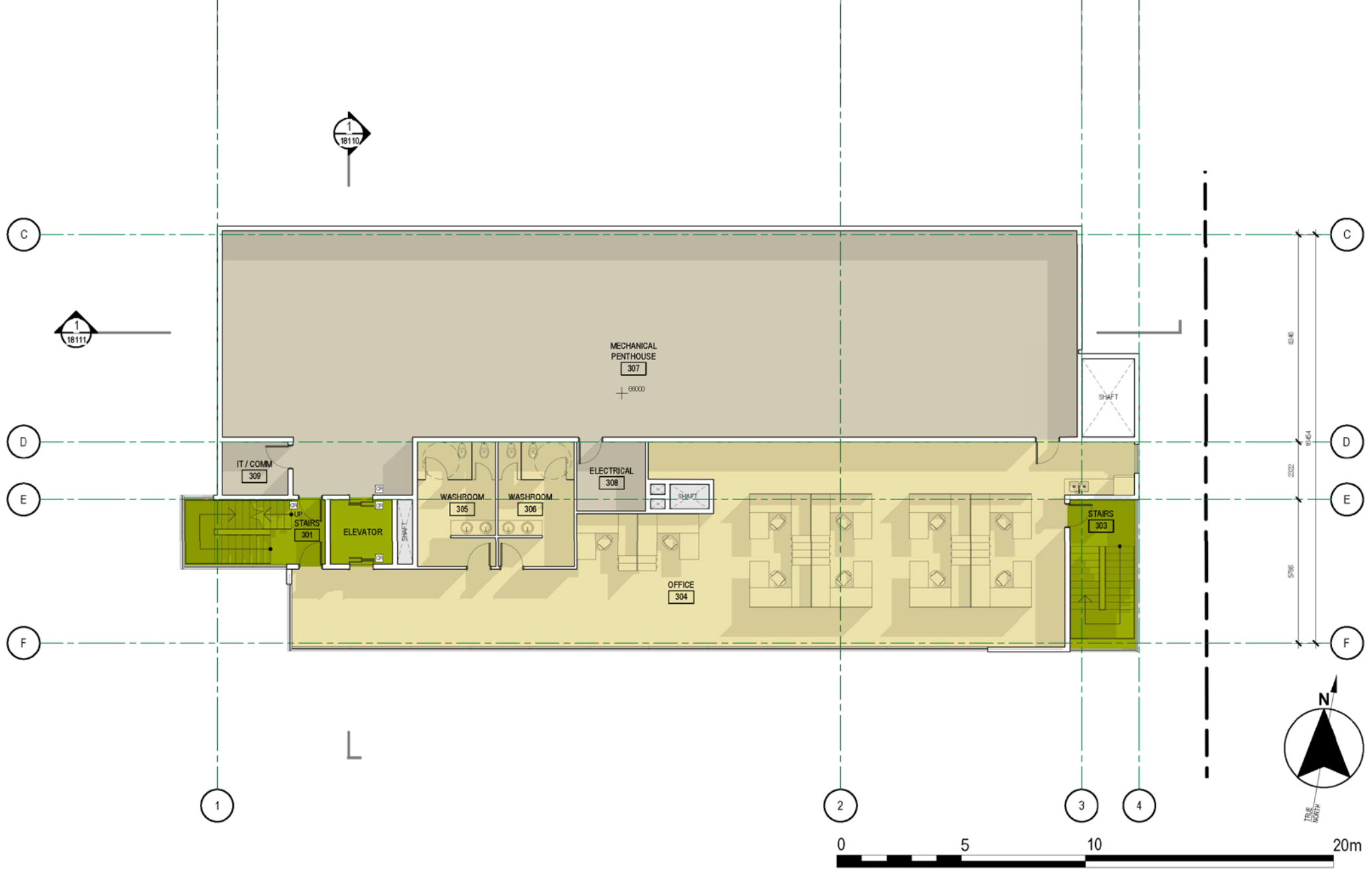




119	8 m <sup>2</sup>
106	16 m <sup>2</sup>
107	16 m <sup>2</sup>
109	20 m <sup>2</sup>
109.1	11 m <sup>2</sup>
110	8 m <sup>2</sup>
111	20 m <sup>2</sup>
120.1	10 m <sup>2</sup>
121	4 m <sup>2</sup>
124	21 m <sup>2</sup>
127	21 m <sup>2</sup>
130	21 m <sup>2</sup>
103.2	3 m <sup>2</sup>
	52 m <sup>2</sup>





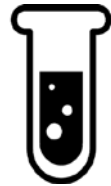




# IAMI will work across five key areas



Medical isotope production



Radiopharmaceutical development



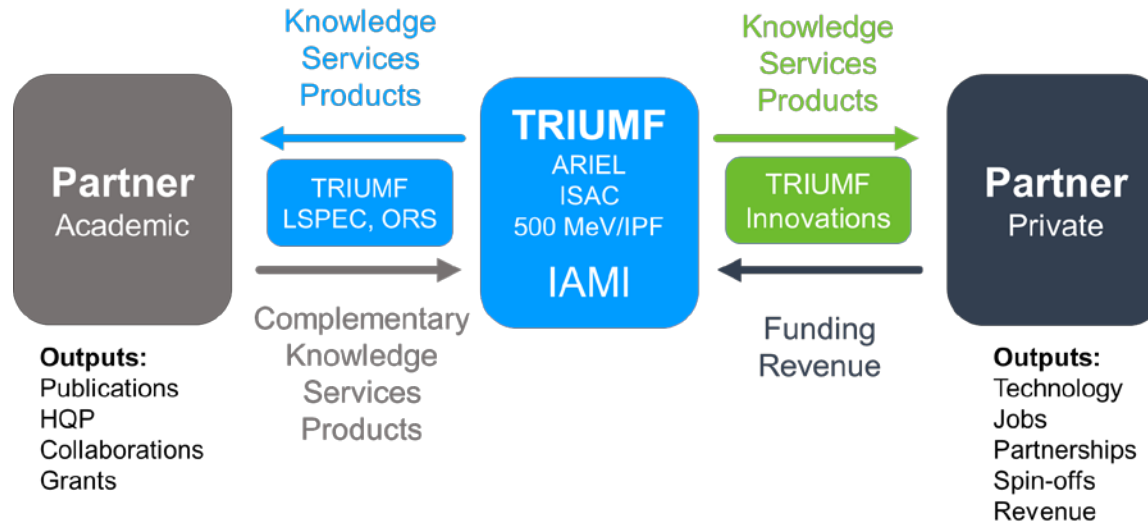
Accelerated drug development



Clinical imaging



Cancer therapies

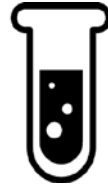


## Status by 2025



Medical isotope production

- Routine production of Tc-99m supplying the greater Vancouver area (86,000 doses/yr)
- Routine production of F-18 augmenting the supply to the PET cameras in BC (5,000 doses/yr)



Radiopharmaceutical development

- GMP production supporting multiple clinical trials of radiopharmaceuticals for diagnosing and managing Alzheimer's disease, dementia, prostate cancer, etc.



Accelerated drug development

- Multiple partnerships with drug firms to develop radiotracers



Clinical imaging

- Routine production of novel imaging agents for DMCBH and others
- Supporting 5 PET cameras



Cancer therapies

- Processing of rare and novel theranostic isotopes produced at TRIUMF
- Supporting multiple clinical trials of radionuclide therapy

Thank you  
Merci

[www.triumf.ca](http://www.triumf.ca)

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