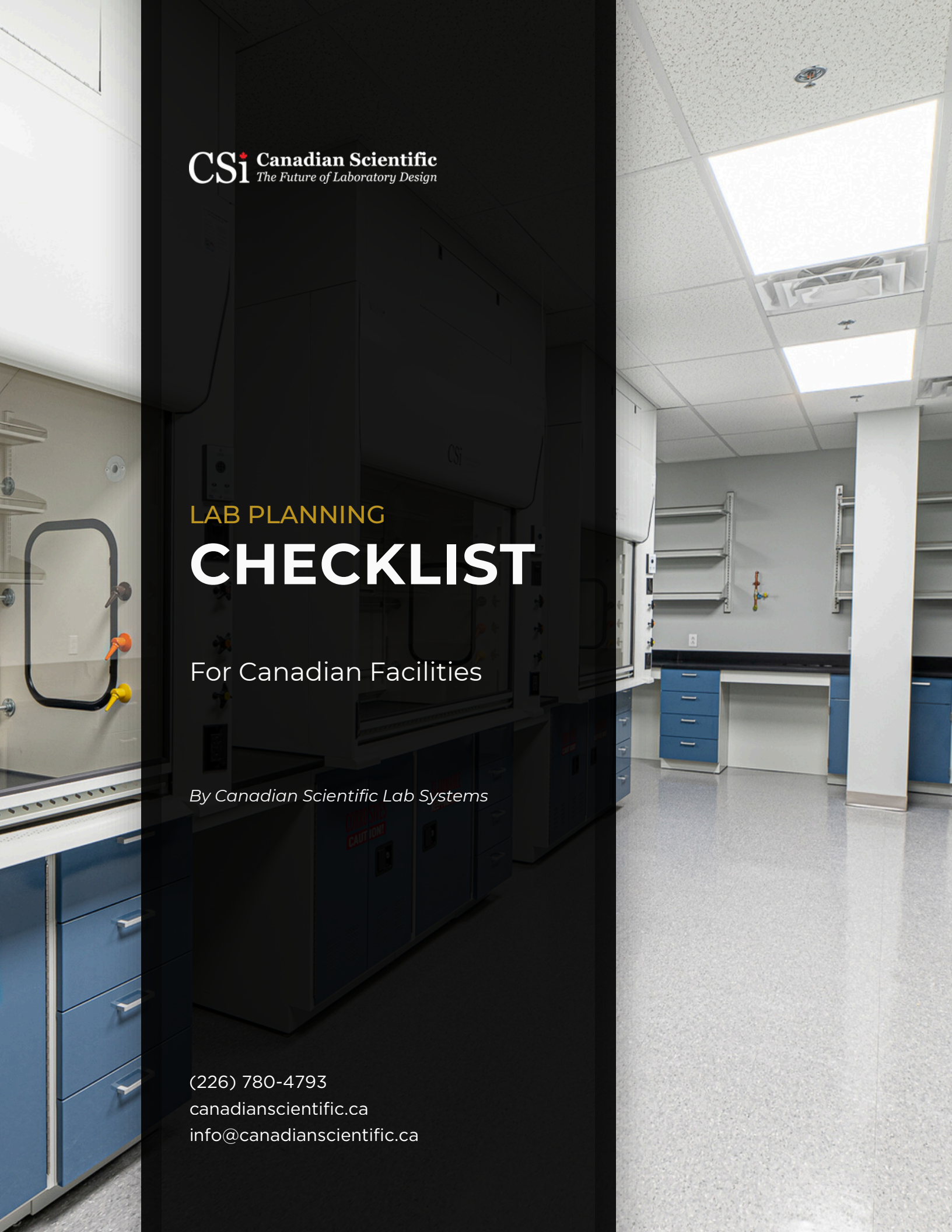




CSi Canadian Scientific
The Future of Laboratory Design

LAB PLANNING
CHECKLIST

For Canadian Facilities

By Canadian Scientific Lab Systems

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LAB PLANNING CHECKLIST

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Why This Checklist Matters

Designing or upgrading a lab is about more than placing benches and cabinets, it's about building a workspace that adapts, protects, and performs. Whether you're setting up a research, education, or industrial facility, this checklist will help you evaluate your space, plan for the future, and choose the right furniture systems for your lab's unique needs.



✓ 1. Define Your Lab's Purpose and Workflow

Before looking at furniture, map out how your team works day to day.

- How many people are working in the lab at any given time? Do they require seating?
- What equipment is required for each task, and in what order do these tasks line up?
- What services does the equipment require? (Power, Gas, Air, Vacuum, Water, Drainage)
- Does the equipment sit directly on the floor or is it bench mounted? What is the footprint of each piece of equipment?
- Based on any empty room, where would you like the elevations? (Wall elevations, Peninsulas, Islands) Invision the future lab from a bird's eye perspective.

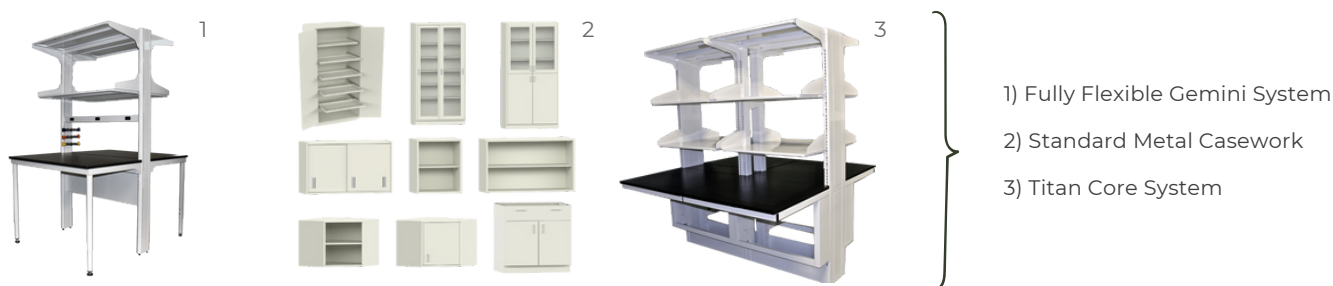


Tip: Flexible furniture systems like the **Gemini** or **Titan Series** from Canadian Scientific allow easy reconfiguration as your lab evolves.



✓ 2. Choose Your Furniture Type: Flexible or Fixed

Your choice here affects cost, installation time, and adaptability. For each identified elevation, would it be better to be flexible or fixed? Typically, we recommend that perimeter elevations are fixed while anything in the centre of the room is flexible.



Fixed Metal Casework

- ☐ Evaluate **Air Master Systems' Painted Steel Casework** for fixed setups
- ☐ Select which base cabinets you would want for each elevation, if seating is required use knee space panels and if a sink is required select a sink cabinet or an ADA sink enclosure.
- ☐ Select which upper cabinets, or shelving you would like mounted above your countertops

Flexible Metal Furniture

- ☐ Evaluate **Air Master Systems' Titan or Gemini Systems** for flexible workbench setups
- ☐ Select which hanging or mobile base cabinets you'd like equipped for each elevation
- ☐ Select which upper cabinets, or shelving you would like mounted above your countertops
- ☐ Select any services you may want equipped to your workbench (Power, Data, Gas, Air)

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✓ **3. Select Countertop Materials**

Match surfaces to your work type and budget.

- ☐ **Phenolic Resin** – Moisture and chemical resistance; lightweight, abrasion resistant and affordable
- ☐ **Epoxy Resin** – Excellent heat and chemical resistance; ideal for wet or chemical labs using open flames.
- ☐ **Stainless Steel 304 or 316** – Hygienic, easy to clean; perfect for cleanrooms and surgical labs

✓ **4. Select Accessories**

- ☐ Select which sinks you require
- ☐ Select which fixtures you require, from faucets, to eyewashes and electrical receptacles.
- ☐ Add your waste bins, drying racks, glove boxes and paper towel dispensers



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Canadian Scientific: Your Lab Planning Partner

At **Canadian Scientific Lab Systems**, we supply lab furniture and help design efficient, safe, and adaptable spaces.

We proudly supply and install quality lab-grade products across Canada, from Stainless Steel casework to Epoxy powder coated steel.

Every system is backed by precision manufacturing, professional installation, and a **five-year warranty** for peace of mind.

Ready to Plan Your Lab?

Download, print, and check off each step as you go, or contact our design specialists for a free consultation.

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