

Customer Needs and Interpretation Table		
Customer Need	Interpreted Need	Importance
Reflect who they are and their purpose.	Include various details that reflect indigenous culture. This includes things like incorporating nature (timber, plants) into the design of the building, as well as cultural reflections.	5
No budget, think big.	Do not limit potential in place of saving money.	2
We are not limited by space.	Ensure ample space is used for all facilities to be operated with minimal clutter.	4
They have hydro, water, internet, etc. Basic services	Resources do not need to be used on access to basic services	3
They want it to be designed with the future in mind.	Plan the layout to be easily expandable in multiple ways for each major section.	4
For cultural access, clear a large section of outdoor space for working on various projects big enough to fit one or more pickup-truck-sized vehicles	Ensure proper space is allotted to the outdoor section, keeping in mind potential expansion of the indoor area. (High clearance area for large equipment)	4
They want mobile workstations.	Design and supply Mobile workstations for various activities that will take place in the building.	5
They want a sustainable building	Ensure sustainable materials are used during the design process.	3
They want security measures like CCTV	Pinpoint and identify locations in important areas and rooms in the building for the best coverage.	3
They want the possibility open of showing the facility to community members and school groups.	The facility is accessible to the community.	3
They want a laboratory capable of storing and processing plant medicines	The facility is equip with the necessary tools to store and process plants.	5

User:

- Members of the Algonquin First Nation community.
- The field workers and program leaders of the Algonquins of Pikwakanagan Neyagada Wabandangaki Guardian Program.

Customer:

- The Algonquins of Pikwakanagan Neyagada Wabandangaki Guardian Program.

Problem Statement:

A need exists for the Algonquins of Pikwakanagan Neyagada Wabandangaki Guardian Program for a system of indoor and outdoor indigenous-culture-inspired buildings using sustainable materials for plant and animal processing, as well as host a variety of cultural events and activities with multiple office spaces, computers, a multi-purpose storage unit/garage, and a central meeting location inside, with space for future expansion for both the indoor and outdoor space.

User Benchmarking:

User Reviews (User Benchmarking):

[MONSAM Mobile Science Lab Station With Storage:](#)

Liked:

- High quality, durable
- Works like a permanent sink

Disliked:

- Very loud

[PSA Laboratory Furniture Flexible Lab Furniture:](#)

Liked:

- Competitive pricing
- Fits the space well
- High quality
- Space-saving

[The Office Environment People Prefer](#) (p. 54-56):

This survey done by K. E. Johnson says workers in offices tend to prefer:

- Private floor plans over open floor plans
- Floor plans in which interaction with other workers is easy
- Hard floor in high-traffic areas
- Subdued colours in their office environment
- Plenty of storage to sort and organize materials
- Storage for materials in the proximity of where they will be used
- Comfortable and relaxed areas for eating
- Comfortable chairs throughout the office

Technical Benchmarking:

https://portablesink.com/product/portable-science-lab-workstation-model-pse-2042/?utm_source=Google+Shopping&utm_medium=cpc&utm_campaign=Radd+-+Sept+2022+GMC+Feed&srsId=AfmBOoqkaSI3et6Z-acXZr7dg2V1sgDIMcuR2X0la-ZcckLRNEvYw8gUkgw

<https://www.naturallywood.com/project/tskwaylaxw-cultural-and-community-health-centre/>

<https://www.psalaboratoryfurniture.com/Cat/LaboratoryGallery/AdaptableMobile>

WORKSPACE FOR PLANT PROCESSING:

Technical Benchmarking Table			
Product Name	Global Industrial™ Complete Packing Workbench	MONSAM Mobile Science Lab Station With Storage	PSA Laboratory Furniture Flexible Lab Furniture
Price	\$2,865	\$3,675	Varies, no exact price given
Faucet	None	Yes	Can be included
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BUILDINGS:

<https://www.archdaily.com/968735/roche-multifunctional-workspace-building-christ-and-gantenbein>

https://www.archdaily.com/1006813/icp-brunton-central-mathew-and-ghosh-architects?ad_source=search&ad_medium=projects_tab

TECHNICAL BENCHMARKING		
Name	ICP Brunton Central	Roche Multifunctional Workspace Building
AREA	20846 ft ²	10000 m ² = 107639.1ft ²
Floors	Basement (PARKING) + Ground + 3 Floors + Open Terrace	5 floors
Multifunctional Workspaces	Office spaces on all 3 floors. Number not disclosed.	Yes 550 seat auditorium, 300 flexible workspaces (with mobile desks and chairs), 100 workspaces, exhibition spaces. https://www.azuremagazine.com/wp-content/uploads/2022/04/Azure-ChristGantenbein-Roche-FlexibleOfficeDesign-2.jpg
Outdoor space	No	No