

## High Bay Space

Contact: NICCS Steering Committee & Focus Groups

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Nature of Operations The High Bay Space with gantry shall have a working area, loading, staging and storage for equipment and gas.

Operating Essentials The space height shall be at min. 20' unobstructed. Gantry is used to unload and move items into the workspace.

A pallet jack will be used to move items to the labs. Provide multiple storage cages for temporary storage.

Gas Cylinder Storage requires continual ventilation.

Gas Cylinder Storage walls shall have a 2-hr fire rating. Include Chemical storage with a flammable liquid storage cabinet. Provide a safety shower and eyewash station in work area.

The vestibule is separate from the work area with two single bay **17'-6" minimum** overhead doors in series, with dockseal to form airlock. The dock will be at 48" with bumpers.

A **double** access door to the dock is needed. The dock slab height will be 48"; provide bumpers and airseal..

Workspace requires a repair bench for repairing equipment and instruments. Provide a stainless steel lab counter, utility sized sink, hose bib, standard floor drain and bench for a computer.

The space requires temperature control, CO2 & CO sensors, ventilation and Wi-Fi throughout.

Provide 120/240V power drops and 3 phase receptacles.

SUPPORT	Qty.		SF	SF Ext.
Work Area	1	@	1100	1,100
Dock Vestibule	1	@	400	400
Gas Cylinder Storage	1	@	100	100
SUBTOTAL SF				1,600
CIRCULATION 20%				<u>320</u>
SUPPORT SF				<b>1,920</b>

**TOTAL SF** **1,920**

**Users** **6** (No permanent personnel)

Adjacencies Access to the exterior is possible through overhead door and **double** access door.

Provide adequate separation from labs with sensitive equipment so they are not affected by vibration.

Provide **8'-0" high** double access door for moving materials to labs and throughout building via pallet jack.

Remarks The space shall have a combination of natural and artificial light.

Provide sealed concrete flooring.

Gantry crane shall be mobile, and have adjustable lifting up to 15-foot clear height. Capacity: 5 tons. Span: 9 foot beam length, fitting through overhead doors. Chain hoist with geared trolley. The crane will be used regularly to lift items on and off of trucks in the loading dock and pallet jacks.