LCLS Room Data Sheet #	1.9-1029	Near Experimental Hall - Storage Room B	Revision 2

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REVISION INFORMATION

Rev. 2 general corrections, updated applicable Standards and Codes

ROOM DATA SHEETS **System Manager: Stefan Moeller/John Arthur**

FACILITY COMPONENT	STORAGE ROOM - B (NEH) ROOM DATA SHEET		
	Name of Building	Storage Room -B (NEH)	
	Organization or Department	SLAC, Stanford University	
	Net area	81.1 sq. meters	873
	Critical dimensions	**H:** 3.7	12'-0"
		W: Irregular shape	23'-0"
		L:	43'-0"
	Hours of operation	Open during regular business hours	
	Users/Occupancy	Area will be use to store all type of equipment and materials to be use in the Facility. Occupancy per Code	
	Building orientation	Store room is located directly adjacent to the Receiving Area on the NEH basement level.	
FUNCTIONAL OBJECTIVE	A room with shelving and racks to store material and equipment to be use in the Facility.		
PLANNING CONSIDERATIONS & CRITICAL FACTORS	Access door (roll up type) shall be large enough (10 wide) to allow storage of large items that are deliver to the receiving area.		
FINISHES	Walls	Painted gypsum board wall assembly	
	Ceiling	Exposed painted reinforced concrete, painted surface	
	Floor	Epoxy floor coating	
	Base	Rubber base or epoxy floor coating turned vertically providing an intergral base / floor.	
	Doors	1- One 3'x7' man door with small window. 2.12ft wide by 10ft high coiling equipment access door.	
	Fenestration	NA	
	Acoustical	NA	
APPLICABLE STANDARDS	29 CFR Part 1910 Occupational Safety and Health Standards Dept of Labor, 29 CFR Part 1926 Safety and Health Regulations for Constructions Dept of Labor, Uniform Building Code (UBC) 1997 including appendixes, National Electric Code (NEC) 2002, Uniform Mechanical Code (UMC) 2003 including appendixes, Uniform Plumbing Code (UPC) 2003 including appendixes, Uniform Fire Code (UFC) 1997 including appendixes, California Code of Regulations Title 8 Industrial Safety, Title 19 Public Safety, NFPA 70 National Fire Codes, National electrical Safety Code ANSI C2, Occupational Safety and Health Act (OSHA), General Services Administration 41 CFR part 101-19, Environmental Protection Agency 40 CFR Parts 264 and 265, SLAC Environmental Safety & Health Manual, General Industrial Activities Storm Water Permit (SLAC Permit), NFPA 101 life Safety Code, Title 24, DOE standard 10 CFR Part 435, ASHRAE/IES Standards 90.1, NFPA Standard 13 and SLAC Fire Marshal requirements, LCLS Cabling Standard, SLAC LOTO		

VIEWS & SCHEMATICS (N. T. S.)	

9.11 LIST OF RECEIVING AREA EQUIPMENT		Equipment		Watts/Voltage	Nos.
	Other	**Equipment**		**Watts/Voltage**	**Nos.**

MECHANICAL REQUIREMENTS	**HVAC**				
		☒	Heating system	Temp:	☐ Mechanical humidification
		☒	Air conditioning	Temp: 72 degrees F±3 degree F	☐ Direct exhaust system - for laser table experiment enclosures only.
		☐	Direct supply		☐ Positive pressure system
		☐	Indirect supply		☐ Negative pressure system
		☐	Smoke control system		☐ Standard registers
		☒	Temperature sensors connected to DDC system		☐ Requirement for gases
		Centralized Mechanical Utilities:			
	Communications	☒	Telephone- 2 phone lines/location		☐ PA speakers
		☒	Dataport- 2 jacks/location		☐ PA station
		☐	Payphone		CCTV camera
		☒	Fire alarm station		☐ CCTV monitor
		☐	Intercom		
		Comments: See fig in "NEH overall" for location for voice and data			

	Plumbing/Fire Protection	☐	Hot water system	☐	Electric watercooler	
		☐	Cold water system	☐	Drinking fountain	
		☐	Tempered water	☒	Smoke detection system	
		☐	Waste drain	☒	Standard sprinkler heads	
		☐	Floor drain	☐	Eye wash / Safety shower	
		☐	Trench drain			
		Comments:				
ELECTRICAL REQUIREMENTS	**Power supply**	☐	208V 1ph outlets	☐	Uninterrupted power supply	
		☒	110V 1ph outlets -see note	☐	Special electric	Type:
			Emergency power			
		Comments: 1- Provide double duplex, 120 volts, outlets every 10 feet along perimeter walls. 2. All conduits are surface mounted.				
	Lighting	☒	Light fixtures - pendant suspended florescent shop lighting with protective cage.	☐	Remote lighting control	
		☐	Fixture type I: Downlight	☒	Light switches	
		☐	Fixture type II: Bollard (exterior)		Lighting level	FC: 50
		☒	Emergency lighting			
		Comments:				
RADIATION/SEISMIC/VIBRATIONS ISSUES	**Comments:** 1- All equipment (HVAC, cable trays, panels, etc) and systems are to be seismically braced and restrained per SLAC's Seismic Standards and Code.					
SPECIAL REQUIREMENTS FOR EQUIPMENT	**Comments:**					

CHEMICALS / GASES	CHEMICALS			SPECIALTY GASES		
	#	Chemical Type	Quantity	#	Gas Type	Quantity
ENVIRONMENTAL NEEDS						