



LCLS Room Data Sheet #	1.9-1025	Near Experimental Hall - Office #3	Revision 2
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Javier A. Sevilla
Owner / Editor

Signature

8/12/05

Date

Jim Welch
Conventional Facilities System
Physicist

Signature

8/15/05

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REVISION INFORMATION

Rev 2, Clarified amperage requirements for outlets. Updated Standards and Codes- Clarified lighting requirements

Deleted cabinets requirements

ROOM DATA SHEETS

FACILITY COMPONENT	OFFICE 3 (NEH) - ROOM DATA SHEET										
	Name of Building	Office No. 3- NEH Basement									
	Organization or Department	SLAC, Stanford University									
	Net area	14.1 sq. meters 152 sf									
	Critical dimensions	<table border="1"> <tr> <td>H:</td> <td>3.0</td> <td>10'-0"</td> </tr> <tr> <td>W:</td> <td>3.0</td> <td>10'-0"</td> </tr> <tr> <td>L:</td> <td>4.7</td> <td>15'-6"</td> </tr> </table>	H:	3.0	10'-0"	W:	3.0	10'-0"	L:	4.7	15'-6"
H:	3.0	10'-0"									
W:	3.0	10'-0"									
L:	4.7	15'-6"									
	Hours of operation	Normal business hours									
	Users/Occupancy	Researches to perform office work in these areas									
	Building orientation	Offices are located in basement level directly adjacent to the Open Work area.									
FUNCTIONAL OBJECTIVE	1- Office space for use of scientists and Users working in the sub-basement hutches and Laser Bay										
PLANNING CONSIDERATIONS & CRITICAL FACTORS	1- Sound attenuation from adjacent lab areas. NC:35 or less 2- Enough data and power outlets to support computers, monitors, printers, fax, etc										
FINISHES	Wall	Gypsum wall board -Painted (semi-gloss finish)									
	Ceiling	Acoustic tile panels within suspended ceiling assembly.									
	Floor	Carpeted									
	Base	Rubber base									
	Doors	Door with window- 3'-0" x7'-0" small window with lockset									
	Fenestrations	NA									
	Acoustical	Perimeter walls are to be constructed with sound attenuation batts to prevent noise from adjacent labs and shop areas									

BUILT-IN CABINETS			
APPLICABLE STANDARDS		29 CFR Part 1910 Occupational Safety and Health Standards Dept of Labor, 29 CFR Part 1926 Safety and Health Regulations for Construction 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)2003 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, American with Disabilities Act, 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-Energy Code, DOE standard 10 CFR Part 435, ASHRAE/IES Standards 90.1, NFPA Standard 13 and SLAC Fire Marshalrequirements, LCLS Cabling Standard and SLAC LOTO	
MECHANICAL REQUIREMENTS		HVAC	<input checked="" type="checkbox"/> Heating system <input checked="" type="checkbox"/> Air conditioning <input type="checkbox"/> Direct supply <input type="checkbox"/> Indirect supply <input type="checkbox"/> Smoke control system <input checked="" type="checkbox"/> Temperature sensors connected to SLAC's DDC systems Centralized Mechanical Utilities:
MECHANICAL REQUIREMENTS			<input type="checkbox"/> Mechanical humidification <input type="checkbox"/> Direct exhaust system - Fume Hood only. <input type="checkbox"/> Positive pressure system <input type="checkbox"/> Negative pressure system <input type="checkbox"/> Standard registers <input type="checkbox"/> Requirement for gases

MECHANICAL REQUIREMENTS, continued	Communications	<input checked="" type="checkbox"/>	Telephone- 2 phone outlets/per location- Two locations per office	<input type="checkbox"/>	PA speakers	
		<input checked="" type="checkbox"/>	Dataport- 2 outlets/per location- Two locations per office	<input type="checkbox"/>	PA station	
		<input type="checkbox"/>	Payphone	<input type="checkbox"/>	CCTV camera	
		<input checked="" type="checkbox"/>	Fire alarm station	<input type="checkbox"/>	CCTV monitor	
		<input type="checkbox"/>	Intercom			
Comments:						
	Plumbing/Fire Protection	<input type="checkbox"/>	Hot water system	<input type="checkbox"/>	Electric watercooler	
		<input type="checkbox"/>	Cold water system	<input type="checkbox"/>	Drinking fountain	
		<input type="checkbox"/>	Tempered water	<input type="checkbox"/>	Smoke detection system	
		<input type="checkbox"/>	Waste drain - acid resistant	<input checked="" type="checkbox"/>	Standard sprinkler heads	
		<input type="checkbox"/>	Floor drain	<input type="checkbox"/>	Eye wash / safety shower	
		<input type="checkbox"/>	Trench drain			
Comments:						
ELECTRICAL REQUIREMENTS	Power supply	<input type="checkbox"/>	208 V 1ph outlets	<input type="checkbox"/>	Uninterrupted power supply	
		<input checked="" type="checkbox"/>	110V 1ph outlets, 20 amps -provide one quad outlet per wall	<input type="checkbox"/>	Special electric	Type:
		<input type="checkbox"/>	Emergency power			
Comments: 1. Provide a quad outlet (duplex) in each wall 2. All conduits to run vertically						
	Lighting	<input checked="" type="checkbox"/>	Light fixtures - 2 x 4 recessed flourescent	<input type="checkbox"/>	Remote lighting control	
		<input type="checkbox"/>	Fixture type I: Downlight	<input checked="" type="checkbox"/>	Light switches- See below	
		<input type="checkbox"/>	Fixture type II: Bollard (exterior)	<input checked="" type="checkbox"/>	Lighting level	FC: 75
		<input checked="" type="checkbox"/>	Emergency lighting	<input type="checkbox"/>	Under-cabinet lights	
		Comments: 1- Separate lighting controls 2- Provide occupancy motion sensors to control lighting				

RADIATION/SEISMIC/VIBRATIONS ISSUES	Comments:				
SPECIAL REQUIREMENTS FOR EQUIPMENT	Comments:				
CHEMICALS / GASES		CHEMICALS		SPECIALTY GASES	
		#	Chemical Type	Quantity	#
					Gas Type
					Quantity
ENVIRONMENTAL NEEDS					