

LCLS Room Data Sheet #	1.9-1051	Central Lab Office Complex (CLOC) - Laser, IC, & Vacuum Technicians Pod	Revision 2
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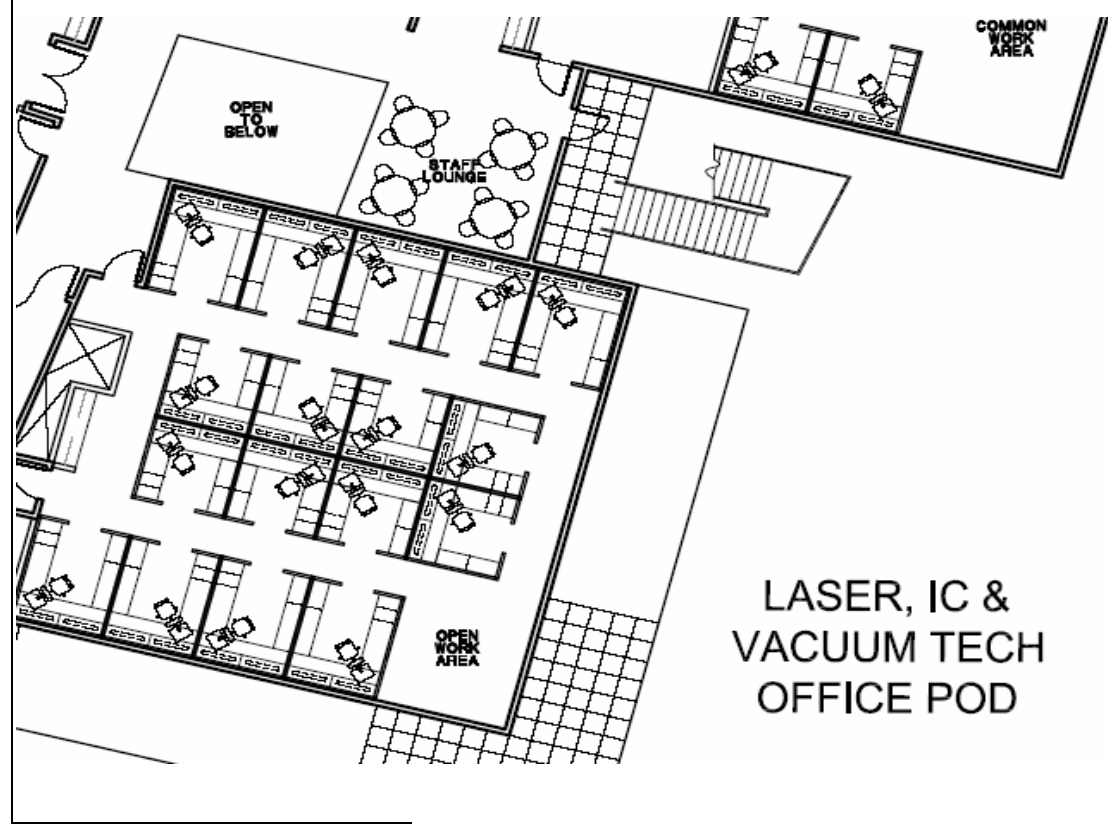
REVISION INFORMATION

Rev 2- Updated floor plan, deleted mechanical humidification, updated Standards and Codes. General corrections

ROOM DATA SHEETS

FACILITY COMPONENT		CLOC LASER, IC AND VACUUM TECHNICIANS POD - ROOM DATA SHEET							
		Name of Building	Laser, IC and Vacuum Technicians Pod.						
		Organization or Department	SLAC, Stanford University -						
		Net area	141.0 sq. meters 1522sf						
		Critical dimensions	<table border="1" style="width: 100%;"> <tr> <td>H:</td> <td>varies</td> </tr> <tr> <td>W:</td> <td>varies</td> </tr> <tr> <td>L:</td> <td>varies</td> </tr> </table>	H:	varies	W:	varies	L:	varies
H:	varies								
W:	varies								
L:	varies								
		Hours of operation	Normal business hours						
		Users/Occupancy	Workers within the CLOC that are assigned private "systems-furniture" cubicle workstations. Occupancy Group "B"						
		Building orientation	Laser, IC and Vacuum Technicians pod is located on the Southeast corner of the third floor.						
FUNCTIONAL OBJECTIVE		Provide conveniently located office space with maximum flexibility for employees working in the CLOC.							
PLANNING CONSIDERATIONS & CRITICAL FACTORS		1 - Office space in the Laser, IC and Vacuum Technicians pod shall consist of (9) 8'x10' systems furniture workstations and (8) 8'x8' systems furniture workstations							
FINISHES		Walls	Utilize systems furniture						
		Ceiling	Exposed						
		Floor	Carpet						
		Base	Exterior windows per layout						
		Doors	may use barn doors						
		Fenestration	none						
		Acoustical	Typical office decibel level required. Excessive white noise is not desired.						
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 Marshal requirements, LCLS Cabling Standard, SLAC LOTO							

Figure No. 1



LASER, IC &
VACUUM TECH
OFFICE POD

MECHANICAL REQUIREMENTS	HVAC	<input checked="" type="checkbox"/> Heating system	Temp: 70 degrees F ± 3 degree F	<input type="checkbox"/>	Mechanical humidification
		<input checked="" type="checkbox"/> Air conditioning	Temp: 74 degrees F ± 3 degree F	<input type="checkbox"/>	Direct exhaust system - for laser table experiment enclosures only.
		<input type="checkbox"/> Direct supply		<input type="checkbox"/>	Positive pressure system
		<input type="checkbox"/> Indirect supply		<input type="checkbox"/>	Negative pressure system
		<input type="checkbox"/> Smoke control system		<input type="checkbox"/>	Standard registers
		<input checked="" type="checkbox"/> Temperature sensors connected to SLAC's DDC systems		<input type="checkbox"/>	Requirement for gases
	Communications	<input checked="" type="checkbox"/> Telephone- 2 phone lines/location-		<input type="checkbox"/>	PA speakers
		<input checked="" type="checkbox"/> Data port- 2 jacks/location-		<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			
	Plumbing/Fire Protection	<input type="checkbox"/> Hot water system		<input type="checkbox"/>	Electric water cooler
		<input type="checkbox"/> Cold water system		<input type="checkbox"/>	Drinking fountain
		<input type="checkbox"/> Tempered water		<input checked="" type="checkbox"/>	Smoke detection system
		<input type="checkbox"/> Waste drain		<input checked="" type="checkbox"/>	Wet Sprinkler System
		<input type="checkbox"/> Floor drain		<input type="checkbox"/>	Eye wash / Safety shower
		<input type="checkbox"/> Trench drain			
Comments: electric water cooler shall be located in common space conveniently located on the floor level, one per floor					
ELECTRICAL REQUIREMENTS	Power supply	<input type="checkbox"/> 208 v,3 ph outlets		<input type="checkbox"/>	Uninterrupted power supply
		<input checked="" type="checkbox"/> 110V, 1ph, 20 A outlets		<input type="checkbox"/>	Special electric Type:
		<input type="checkbox"/> Emergency power			
Comments:					
	Lighting	<input checked="" type="checkbox"/> Light fixtures - 2 x 4 recessed florescent lighting.		<input type="checkbox"/>	Remote lighting control
		<input type="checkbox"/> Fixture type I: Down light		<input checked="" type="checkbox"/>	Light switches
		<input type="checkbox"/> Fixture type II: Bollard (exterior)		<input checked="" type="checkbox"/>	Lighting level FC: typ. office
		<input checked="" type="checkbox"/> Emergency lighting			
Comments: 1- Utilize standard Illuminating Engineering Society (IES) guidelines					
RADIATION/SEISMIC/VIBRATIONS ISSUES	Comments: 1- All equipment and systems are to be seismically braced and restrained per Code.				
SPECIAL REQUIREMENTS FOR EQUIPMENT	Comments:				
CHEMICALS / GASES	CHEMICALS		SPECIALTY GASES		
	#	Chemical Type	Quantity	#	Gas Type
ENVIRONMENTAL NEEDS					