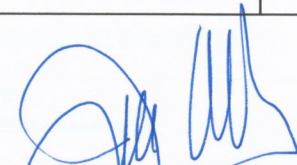


LCLS Room Data Sheet #	1.9-1045	Central Lab Office Complex - Research/Experimental Group (REG) Cluster	Revision 2
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Javier A. Sevilla
Owner / Editor

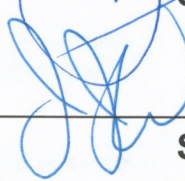


9/12/05

Signature

Date

Jim Welch



8/15/05

Signature

Date

Conventional Facilities System Physicist

David Saenz



8/12/05

Signature

Date

Conventional Facilities System Manager

Stefan Moeller
X-R End stations WBS Manager

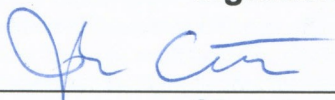


8/12/05

Signature

Date

John Arthur



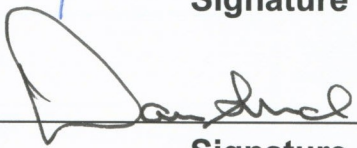
8-12-05

Signature

Date

Photon Beam System Manager

Darren Marsh



8/16/05

Signature

Date

Quality Assurance Manager

REVISION INFORMATION

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

ROOM DATA SHEETS

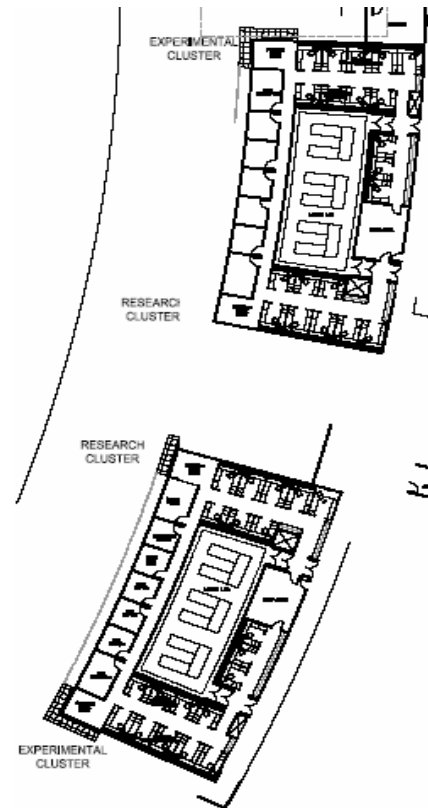
FACILITY COMPONENT	CLOC RESEARCH/EXPERIMENTAL GROUP (REG) CLUSTER - ROOM DATA SHEET							
	Name of Building	CLOC Research/Experimental Group (REG) Cluster						
	Organization or Department	SLAC, Stanford University - Research/Experimental Cluster						
	Net area	446.0 sq. meters 4800sf						
	Critical dimensions	<table border="1"> <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 "hard-walled" offices. Occupancy Group "B"						
	Building orientation	Private office's are located throughout the CLOC within experimental, research and office pods. REG clusters are located at Northern and Southern ends of the facility.						
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 Research/Experimental Cluster shall consist of (2) two 12'x15' Common Work Area; (2) two 10'x15' Experimental/Research Director offices; (30) thirty 10'x10' staff offices; (60) sixty 8'x10' systems furniture workstations; (6) 8'x8' systems furniture workstations. Consideration shall be given to this facility applying LEED (Leadership in Energy and Environmental Design) factors for "certified" level.							
FINISHES	Walls	Private offices can be constructed of either painted framed gypsum board assembly or, if authorized / directed by SLAC, by 8ft high modular office partition systems.						
	Ceiling	Acoustic ceiling panels within a suspended acoustic tile ceiling assembly.						
	Floor	Carpet						
	Base	Rubber base						
	Doors	Doors shall be consistent with office wall system. Use standard 3'x7' doors.						
	Fenestration	When offices are located adjacent to the exterior window, the lower window unit shall be operable.						
	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, 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, American Disabilities Act (ADA) 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.)

Figure No. 1



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' DDC systems		<input type="checkbox"/> Requirement for gases
	Communications	<input checked="" type="checkbox"/> Telephone- 2 phone lines/location-see comments		<input type="checkbox"/> PA speakers
		<input checked="" type="checkbox"/> Data port- 2 jacks/location-see comments		<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"/> 208V 3ph outlets	<input type="checkbox"/> Uninterrupted power supply
		<input checked="" type="checkbox"/> 110V 1ph outlets, 20 amps	<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 per IES
		<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 Quantity
ENVIRONMENTAL NEEDS			