IPLC	Stanford Linear Accelerator Center					
LCLC	Sta	anford Synchrotron Radiatio	n Laboratory			
LCLS Room Data Sheet #	1.9-1047	Central Lab Off Computer Netw ESH	ork Support &	Revision 2		
Javier A. Sevilla	Quil	W	B/12/05			
Owner / Editor Jim Welch Conventional Facilities System Physicist		ature	Date Shilo – Date			
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Stefan Moeller X-R End stations WBS Manager	Sign	Mwells	8/12/05 Date			
John Arthur	Jen C	th	8-12-05			
Photon Beam System Manager Darren Marsh Quality Assurance Manager	Dan	ature	Date Bludos Date			

REVISION INFORMATION

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

ROOM DATA SHEETS

FACILITY COMPONENT	CLOC COMPUTER	NETWORK SUPPOR	RT & ESH POD - ROOM DATA SH	IEET			
	Name of Building		Computer/Network Support & ESH Pod				
	Organization or Department		SLAC, Stanford University -				
	Net area		195.0 sq. meters 2100s				
	Critical dimensions		H:	12'-0"			
			W:	varies			
			L:	varies			
	Hours of operation		Normal business hours				
	Users/Occupancy		Workers within the CLOC that are assigned pri "systems-furniture" cubicle workstations. Occupancy Group "B"				
	Building orientation		Network/ESH Pod pod is located on the Noutheast corner of the second floor.				
FUNCTIONAL OBJECTIVE	Provide conveniently located c	ffice space with maximum flexib	ility for employees working in the CLOC.				
PLANNING CONSIDERATIONS & CRITICAL FACTORS		ter Network/ESH pod shall consi . Provide one ~ 400 sf Network	st of (14) 8'x10' systems furniture workstations an Storage room.	d (4) 8'x8'			
FINISHES	Walls	Painted framed gypsum board					
	Ceiling Floor	Acoustic ceiling panels within Carpet	a suspended acoustic tile ceiling assembly.				
	Base	Rubber base					
	Doors	NA					
	Fenestration	When cubicle are located adjacent to the exterior window, the lower window unit shall be operable.					
	Acoustical	Typical office decibel level required NC less 35 Excessive white noise is not desired.					
APPLICABLE STANDARDS	Regulations for Constructions Code (NEC) 2002, Uniform Me including appendixes, Uniform Safety, Title 19 Public Safety, and Health Act (OSHA), Gene Protection Agency 40 CFR Pa Storm Water Permit (SLAC Pe	Dept of Labor, Uniform Building echanical Code (UMC) 2003 inclu- Fire Code (UFC)2003 including NFPA 70 National Fire Codes, N ral Services Administration 41 C rts 264 and 265, SLAC Environn ermit), NFPA 101 life Safety Code	Dept of Labor, 29 CFR Part 1926 Safety and Heal Code (UBC) 1997 including appendixes, National uding appendixes, Uniform Plumbing Code (UPC) appendixes, California Code of Regulations Title lational electrical Safety Code ANSI C2, Occupati FR part 101-19, American with Disabilities Act, En nental Safety & Health Manual, General Industrial e, Title 24-Energy Code, DOE standard 10 CFR F ire Marshall requirements, LCLS Cabling Standar	Electric 2003 8 Industrial onal Safety vironmenta Activities Part 435,			

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MECHANICAL REQUIREMENTS HVAC Metalog system COMPUTER & NETWORK SUPPORT/ESSH OFFICE POD MECHANICAL REQUIREMENTS HVAC Metalog system Metalog system MECHANICAL REQUIREMENTS Metalog system Metalog system Metalog system MECHANICAL REQUIREMENTS Metalog system Metalog system Metalog system MECHANICAL REQUIREMENTS Metalog system Metalog system Metalog MECHANICAL REQUIREMENTS Metalog system Metalog system Metalog MECHANICAL REQUIREMENTS	VIEWS & SCHEMATICS (N. T. S.)		Figure No. 1					
Air conditioning Imp: 74 (agrees F ± 3) (agrees F \pm 3) (agrees F					NE SUPP	TW(ORT	DRK 7/ES&H	
Direct supply Positive pressure system Indirect supply Negative pressure system Smoke control system Standard registers Temperature sensors connected to SLAC's DDC systems Requirement for gases Telephone-2 phone lines/location- PA speakers Dataport-2 jacks/location- PA station Payphone CCTV camera Fire alarm station CCTV monitor		C C						
□ Direct supply □ Positive pressure system □ Indirect supply □ Negative pressure system □ Smoke control system □ Standard registers □ Temperature sensors connected to SLAC's DDC systems □ Requirement for gases □ Telephone- 2 phone lines/location- □ PA speakers □ Dataport- 2 jacks/location- □ PA station □ Payphone □ CCTV camera □ Fire alarm station □ CCTV monitor	MECHANICAL REQUIREMENTS	HVAC		ting system	Temp: 70 degrees F <u>+</u>	3	Mechanical humidification	
Indirect supply Negative pressure system Smoke control system Standard registers Temperature sensors connected to SLAC's DDC systems Requirement for gases Telephone- 2 phone PA speakers Dataport- 2 jacks/location- PA station Payphone CCTV camera Fire alarm station CCTV monitor	MECHANICAL REQUIREMENTS	HVAC	Hear		Temp: 70 degrees F <u>+</u> degree F Temp: 74 degrees F4	3 3 3	Direct exhaust system - for laser table	
Image: Simoke control system Image: Simoke control system Standard registers Image: Simoke control system Image: Simoke control system Requirement for gases Image: Simoke control system Image: Simoke control system Requirement for gases Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system Image: Simoke control system <th>MECHANICAL REQUIREMENTS</th> <th>HVAC</th> <th></th> <th>conditioning</th> <th>Temp: 70 degrees F<u>+</u> degree F Temp: 74 degrees F<u>+</u> degree F</th> <th>3</th> <th>Direct exhaust system - for laser table experiment enclosures only.</th>	MECHANICAL REQUIREMENTS	HVAC		conditioning	Temp: 70 degrees F <u>+</u> degree F Temp: 74 degrees F <u>+</u> degree F	3	Direct exhaust system - for laser table experiment enclosures only.	
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Communications Image: Innes/location- Image: PA speakers Image: Innes/location- Dataport- 2 jacks/location- PA station Image: Payphone CCTV camera Image: Payphone CCTV camera Image: Payphone CCTV comera Image: Payphone CCTV monitor	MECHANICAL REQUIREMENTS	HVAC	Air c	conditioning ct supply rect supply	degree F Temp: 74 degrees F <u>+</u> degree F	3 □ □	Direct exhaust system - for laser table experiment enclosures only. Positive pressure system Negative pressure system	
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Payphone CCTV camera Fire alarm station CCTV monitor	MECHANICAL REQUIREMENTS	HVAC	Air c Dire Dire Smc X Tem SLA	conditioning ct supply rect supply oke control system operature sensors c C's DDC systems	degree F Temp: 74 degrees F± degree F	3 □ □ □	Direct exhaust system - for laser table experiment enclosures only. Positive pressure system Negative pressure system Standard registers	
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	Plumbing/Fire Protection		Hot water system		Electric watercooler	
			Cold water system		Drinking fountain	
			Tempered water	\boxtimes	Smoke detection system	
			Waste drain	×	Wet Sprinkler System	
			Floor drain		Eye wash / Safety shower	
			Trench drain			
		E	omments: lectric watercooler shall be located in cor ne per floor	nmon s		e floor level,
ELECTRICAL REQUIREMENTS	Power supply		208 votls, 3 ph outlets			
		\mathbf{X}			Special electric	Type:
			Emergency power			
		С	omments:			
	Lighting	X	Light fixtures - 2 x 4 recessed floresce	nt 🔲	Remote lighting control	
			Fixture type I: Downlight			
			Fixture type II: Bollard (exterior)	X	Lighting level	FC: typ. office
		\mathbf{X}	Emergency lighting			
		-	omments: Utilize standard Illuminating Engineering	g Socie	ety (IES) guidelines	
RADIATION/SEISMIC/VIBRATIONS ISSUES		tems	are to be seismically braced and restrain	ed per	Code.	
SPECIAL REQUIREMENTS FOR EQUIPMENT	Comments:					
CHEMICALS / GASES		CHI	EMICALS	SP	ECIALTY GASES	
		#				Quantity
ENVIRONMENTAL NEEDS						

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