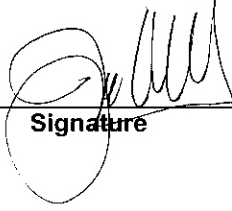

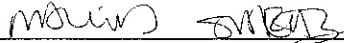
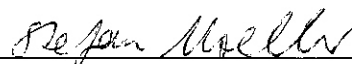
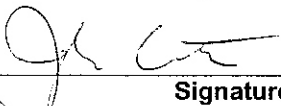
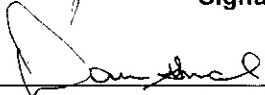


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LCLS Room Data Sheet #	1.9-1027	Near Experimental Hall - Machine Shop Office	Revision 2
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Javier A. Sevilla Owner / Editor		8/11/05
	Signature	Date
Jim Welch Conventional Facilities System Physicist		8/22/05
	Signature	Date
David Saenz Conventional Facilities System Manager		8/11/05
	Signature	Date
Stefan Moeller X-R Endstations WBS Manager		8/23/05
	Signature	Date
John Arthur Photon Beam System Manager		8-23-05
	Signature	Date
Darren Marsh Quality Assurance Manager		8/23/05
	Signature	Date

REVISION INFORMATION
Rev. 2 general corrections, updated applicable Standards and Codes

ROOM DATA SHEETS

FACILITY COMPONENT	Machine Shop Office (NEH) - ROOM DATA SHEET		
	Name of Building		
	Machine Shop Office- NEH		
	Organization or Department		
	SLAC, Stanford University		
	Net area		
	7.2	sq. meters	80 sf
	Critical Dimensions		
	H:	3.0	10'-0"
	W:	3.0	10'-0"
	L:	2.4	8'-0"
	Hours of operation		
	Normal business hours		
	Users/Occupancy		
	Machine Shop Supervisor		
	Building orientation		
	Machine shop office is located in basement level directly adjacent to the Machine Shop Area.		
FUNCTIONAL OBJECTIVE	1- Office for use of machine shop supervisor		
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 to open work area with small window- 3'-0" x7'-0" and door to machine shop both with locksets	
	Fenestrations	Window 4'x4' to machine shop	
	Acoustical	Perimeter walls are to be constructed with sound attenuation batts to prevent noise from adjacent labs and shop areas	

BUILT-IN CABINETS	Upper and Lower 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, 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					
MECHANICAL REQUIREMENTS	HVAC	<input checked="" type="checkbox"/>	Heating system	Temp: 70 F, +/- 2 degree F	<input type="checkbox"/>	Mechanical humidification
		<input checked="" type="checkbox"/>	Air conditioning	Temp: 72 degrees F +/- 2 degree F	<input type="checkbox"/>	Direct exhaust system - Fume Hood 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 DDC systems		<input type="checkbox"/>	Requirement for gases
		Centralized Mechanical Utilities:				
MECHANICAL REQUIREMENTS		VIEWES & SCHEMATICS (N. T. S.)				

MECHANICAL REQUIREMENTS, continued	Communications	<input checked="" type="checkbox"/> Telephone- 2 phone outlets/per location- One location	<input type="checkbox"/> PA speakers
		<input checked="" type="checkbox"/> Dataport- 2 outlets/per location- One 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	
		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 wet sprinkler system
		<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		
		<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					
RADIATION/SEISMIC/IBRATIONS ISSUES	Comments:						
SPECIAL REQUIREMENTS FOR EQUIPMENT	Comments:						
CHEMICALS / GASES		CHEMICALS			SPECIALTY GASES		
		#	Chemical Type	Quantity	#	Gas Type	
ENVIRONMENTAL NEEDS							