



LCLS Room Data Sheet #	1.9-1004	Main Control Center (MCC)	Revision 1
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Javier Sevilla
Owner / Editor

Signature

Date

Jim Welch
System Physicist

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Date

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Conventional Facilities System
Manager

Signature

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REVISION INFORMATION

ROOM DATA SHEETS

FACILITY COMPONENT	Main Control Center Renovations								
	Name of Building: Bldg. 005 MCC		LCLS Experimental Facility						
	Organization or Department		SLAC, Stanford University						
	Net area		#VALUE! sq. meters						
	Critical dimensions		<table border="1"> <tr> <td>H:</td> <td>existing</td> </tr> <tr> <td>W:</td> <td>undetermined</td> </tr> <tr> <td>L:</td> <td>undetermined</td> </tr> </table>	H:	existing	W:	undetermined	L:	undetermined
H:	existing								
W:	undetermined								
L:	undetermined								
	Hours of operation		24/7/365						
	Users/Occupancy		31						
	Building orientation		existing						
FUNCTIONAL OBJECTIVE	<i>House additional personnel and equipment required to control the LCLS operations</i>								
PLANNING CONSIDERATIONS & CRITICAL FACTORS	Fit into existing control room. House extra personnel and computers.								
FINISHES	Wall	existing							
	Ceiling	existing							
	Floor	existing, carpet							
	Base								
	Doors	wood							
	Fenestrations								
	Acoustical								
APPLICABLE STANDARDS	UBC 1997, OSHA, NEC, NFPA 5000. Conform to DOE Standard 10 CFR, Part 435, UBC, UMC, UPC, Title 24 Energy Standards, ASHRAE/IES Standards 90.1. Fire Protection . System compliance with NFPA Standard 13.								
VIEWS & SCHEMATICS (N. T. S.)									

MECHANICAL REQUIREMENTS		HVAC	
Modify existing HVAC system ducts if necessary, to direct air to accommodate renovations	<input checked="" type="checkbox"/>	Heating system	Temp: <input type="checkbox"/>
	<input checked="" type="checkbox"/>	Air conditioning	Temp: <input type="checkbox"/>
	<input type="checkbox"/>	Direct supply	<input type="checkbox"/>
	<input type="checkbox"/>	Indirect supply	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	Smoke control system	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	Thermostat	<input checked="" type="checkbox"/>
List of Gases -		Minimal airflow & associated noise. Conform to DOE Standard 10 CFR, Part 435, UBC, UMC, UPC, Title 24 Energy Standards, ASHRAE/IES Standards 90.1. HVAC - Year-round temperature control within established parameters. Direct Digital Control for operations and interface w/ SLAC Energy Management System (EMS).	
Not included in this project	<input checked="" type="checkbox"/>	Telephone	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	Dataport	Labs & Offices <input type="checkbox"/>
	<input type="checkbox"/>	Payphone	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	Fire alarm station	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	Intercom	<input type="checkbox"/>
	Comments: Conform to DOE Standard 10 CFR, Part 435, UBC, UMC, UPC, Title 24 Energy Standards, ASHRAE/IES Standards 90.1.		
Plumbing/Fire Protection	<input type="checkbox"/>	Hot water system	<input type="checkbox"/>
	<input type="checkbox"/>	Cold water system	<input type="checkbox"/>
	<input type="checkbox"/>	Tempered water	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	Waste drain	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	Floor drain	<input type="checkbox"/>
	<input type="checkbox"/>	Trench drain	<input type="checkbox"/>
Plumbing not included in this project. Existing Fire protection system.		Comments: Existing fire-water available. Plumbing/Utilities - Conform to DOE Standard 10 CFR, Part 435, UBC, UMC, UPC, Title 24 Energy Standards, ASHRAE/IES Standards 90.1. Fire Protection - Fire-water supplied through existing distribution system. System compliance with NFPA Standard 13.	

ELECTRICAL REQUIREMENTS	Power supply	<input checked="" type="checkbox"/>	220V outlets	<input type="checkbox"/>	Uninterrupted power supply
	Possible modifications to receptacle locations. No major add to electrical distribution system	<input checked="" type="checkbox"/>	110V outlets	<input type="checkbox"/>	Special electric
		<input checked="" type="checkbox"/>	Emergency power		Type:
		Comments:			
	Lighting	<input checked="" type="checkbox"/>	Light fixtures	<input type="checkbox"/>	Remote lighting control
	Possible upgrades and modernization	<input checked="" type="checkbox"/>	Fixture type I: Downlight	<input checked="" type="checkbox"/>	Light switches
		<input type="checkbox"/>	Fixture type II: Bollard (exterior)		Lighting level
		<input checked="" type="checkbox"/>	Emergency lighting		FC:
		Comments: All conduits and light fixtures are surface mounted. Low profile fixtures preferred.			
RADIATION/SEISMIC/VIBRATIONS ISSUES	Comments: No special requirements				
SPECIAL REQUIREMENTS FOR EQUIPMENT	Comments: consoles to handle new computer controls.				
SPECIAL REQUIREMENTS FOR EQUIPMENT					
ENVIRONMENTAL NEEDS					