



<b>PROJECT INFORMATION</b>	
PROJECT NAME: CREOL ROOM 180F INSTALL PHOTO STEPPER	DATE COMPLETED:
PROJECT NUMBER: 25053010	PROJECT MANAGER: SAMANTHA MASON
PROJECT DESCRIPTION: DESIGN AND INSTALLATION OF AN OWNER-FURNISHED PHOTO/WAFER STEPPER AND ACCOMPANYING CHILLED WATER REMOTE HVAC IN CLEANROOM 180F AT CREOL. SPACE MADE FOR NEW STEPPER BY REMOVING AND/OR RELOCATING EXISTING LAB EQUIPMENT, WHICH REQUIRED DISCONNECTIONS AND CONNECTIONS PERFORMED BY AN ELECTRICAL CONTRACTOR. FIRE ALARM DEVICES REMOVED AND REPLACED. REMOTE WATER-COOLED HVAC MODULE INSTALLED, AS WELL AS A BALANCE DAMPER, 4" STAINLESS STEEL DUCT, REPLACEMENT OF EXISTING FILTER FAN, AND A 120V FLOAT SWITCH IN AUXILIARY DRAIN PAN. GAS AND VACUUM TUBING & FITTINGS INSTALLED. POWER SUPPLY PROVIDED FOR ENVIRONMENTAL CHAMBER AND REMOTE HVAC MODULE. L6-30R RECEPTACLE, AND INDICATING LIGHT INTERLOCK WITH FLOW SWITCH, INSTALLED. EXISTING ELECTRICAL PANEL MODIFIED TO ADD NEW BREAKERS FOR EQUIPMENT. COMMISSIONING SERVICES PERFORMED.	

**PROJECT IMAGES**





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PROJECT COST	
<b>DESIGN COST</b>	<b>\$ 21,380.00</b>
ARCHITECT / ENGINEER / INTERIOR DESIGN	\$ 21,380.00
<b>CONSTRUCTION COST</b>	<b>\$ 68,792.80</b>
DIVISION 1 - GENERAL REQUIREMENTS (DUMPSTERS, ETC.)	\$ -
DIVISION 2 - EXISTING CONDITIONS	\$ -
DIVISION 3 - CONCRETE	\$ -
DIVISION 4 - MASONRY	\$ -
DIVISION 5 - METALS	\$ -
DIVISION 6 - WOOD, PLASTICS & COMPOSITES	\$ -
DIVISION 7 - THERMAL & MOISTURE PROTECTION	\$ -
DIVISION 8 - OPENINGS	\$ -
DIVISION 9 - FINISHES	\$ -
DIVISION 10 - SPECIALTIES	\$ -
DIVISION 11 - EQUIPMENT	\$ -
DIVISION 12 - FURNISHINGS	\$ -
DIVISION 13 - SPECIAL CONSTRUCTION	\$ -
DIVISION 14 - CONVEYING EQUIPMENT	\$ -
DIVISION 21 - FIRE SUPPRESSION	\$ 982.80
DIVISION 22 - PLUMBING	\$ -
DIVISION 23 - HVAC	\$ 47,940.00
DIVISION 26 - ELECTRICAL	\$ 15,980.00
DIVISION 27 - COMMUNICATIONS	\$ -
DIVISION 28 - ELECTRONIC SAFETY & SECURITY	\$ -
DIVISION 31 - EARTHWORK	\$ -
DIVISION 32 - EXTERIOR IMPROVEMENT	\$ -
DIVISION 33 - UTILITIES	\$ -
MOVING	\$ -
COMMISSIONING	\$ 3,890.00
GENERAL LIABILITY	\$ -
GENERAL CONDITIONS (STAFFING, ETC.)	\$ -
CONTRACTOR'S FEE (OVERHEAD & PROFIT)	\$ -
PAYMENT & PERFORMANCE BOND (NOT REQ'D IF UNDER \$100K)	\$ -
<b>INFORMATION TECHNOLOGIES &amp; RESOURCES COST</b>	<b>\$ -</b>
UCF IT	\$ -
OFFICE OF INSTRUCTIONAL RESOURCES (OIR)	\$ -
<b>FBO AND PERMITTING COST</b>	<b>\$ 10,453.77</b>
BUILDING CODE OFFICE	\$ 1,430.00
STATE FIRE MARSHALL	\$ -
PROJECT MANAGEMENT FEES	\$ 8,850.00
FACILITIES OPERATIONS ALLOWANCE	\$ 173.77
<b>TOTAL PROJECT COST</b>	<b>\$ 100,626.57</b>

PROJECT TIME		
START	PROJECT SUBMITTED BY CLIENT	1.25 MONTHS
	SPAA, F&S REVIEW	
	PM ASSIGNED	
	PM CONTACTS REQUESTER	
	PM DEVELOPS SCOPE	
DESIGN	A/E SELECTED	4.5 MONTHS
	A/E PROPOSAL REVIEW	
	MPP TO CLIENT	
	CLIENT APPROVAL AND FUNDING	
	REQUISITION GENERATED	
	PO ISSUED (NOTICE TO PROCEED)	
	A/E DESIGN	
	WORKSHOPS	
	PERMIT REVIEWS	
BID/PERMIT	S/S PERMIT DRAWINGS REC'D	1.75 MONTHS
	PERMIT SUBMISSION	
	BUILDING CODE OFFICE REVIEW	
	STATE FIRE MARSHALL REVIEW	
	CONTRACTOR WALK-THROUGH	
	CONTRACTOR BID	
	PM REVIEWS BID	
	AVP F&S APPROVAL OF BID	
	PM PREPARES MPP	
	MPP TO CLIENT	
CONSTRUCTION	CLIENT APPROVAL AND FUNDING	2.25 MONTHS
	REQUISITION GENERATED	
	PO ISSUED (NOTICE TO PROCEED)	
	CONSTRUCTION STARTS	
	RFIS, SUBMITTALS, DOCUMENTS	
	PROGRESS REVIEWS	
	PAYMENT APPLICATIONS, INVOICES	
INSPECTIONS		
CLOSE-OUT	CERTIFICATE OF COMPLETION	2.75 MONTHS
	CERTIFICATE OF OCCUPANCY	
	BENEFICIAL OCCUPANCY BY CLIENT	
	PUNCH LIST COMPLETION	
	FINAL INVOICES	
OWNER'S MANUALS	2.75 MONTHS	
ASSET TURNOVER TO OPERATIONS		
ACCOUNTING CLOSE-OUT		
<b>TOTAL PROJECT TIME - 12.5 MONTHS</b>		