



PROJECT INFORMATION

PROJECT NAME: CREOL ROOM 180C MODIFY UTILITY INFRASTRUCTURE  
FOR MBE SYSTEM

DATE COMPLETED: MAY 28, 2025

PROJECT NUMBER: 25053002

PROJECT MANAGER: SAMANTHA MASON

PROJECT DESCRIPTION: UTILITIES MODIFIED IN ROOM 180C AT CREOL TO ACCOMMODATE MBE AND VEECO LAB EQUIPMENT. HEAT LOAD STUDY PERFORMED. ELECTRICAL SERVICE INSTALLED TO NEW EQUIPMENT. ONE (1) 20A, 3POLE BREAKER INSTALLED, AS WELL AS CONDUIT AND CONDUCTORS, AND ONE (1) L 16-20R OUTLET. PROCESS CHILLED WATER SUPPLY AND RETURN INSTALLED ON EXISTING PCW LOOP. PENDANT FIRE SPRINKLER DROP REMOVED. HELIUM GAS LINES EXTENDED FROM ROOM 180B TO 180C.

PROJECT IMAGES





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PROJECT COST		PROJECT TIME		
DESIGN COST		START	PROJECT SUBMITTED BY CLIENT	3.5 MONTHS
ARCHITECT / ENGINEER / INTERIOR DESIGN			SPAA, F&S REVIEW	
CONSTRUCTION COST			PM ASSIGNED	
DIVISION 1 - GENERAL REQUIREMENTS (DUMPSTERS, ETC.)			PM CONTACTS REQUESTER	
DIVISION 2 - EXISTING CONDITIONS			PM DEVELOPS SCOPE	
DIVISION 3 - CONCRETE		DESIGN	A/E SELECTED	NA
DIVISION 4 - MASONRY			A/E PROPOSAL REVIEW	
DIVISION 5 - METALS			MPP TO CLIENT	
DIVISION 6 - WOOD, PLASTICS & COMPOSITES			CLIENT APPROVAL AND FUNDING	
DIVISION 7 - THERMAL & MOISTURE PROTECTION			REQUISITION GENERATED	
DIVISION 8 - OPENINGS			PO ISSUED (NOTICE TO PROCEED)	
DIVISION 9 - FINISHES			A/E DESIGN	
DIVISION 10 - SPECIALTIES			WORKSHOPS	
DIVISION 11 - EQUIPMENT			PERMIT REVIEWS	
DIVISION 12 - FURNISHINGS		BID/PERMIT	S/S PERMIT DRAWINGS RECVD	0.75 MONTHS
DIVISION 13 - SPECIAL CONSTRUCTION			PERMIT SUBMISSION	
DIVISION 14 - CONVEYING EQUIPMENT			BUILDING CODE OFFICE REVIEW	
DIVISION 21 - FIRE SUPPRESSION			STATE FIRE MARSHALL REVIEW	
DIVISION 22 - PLUMBING			CONTRACTOR WALK-THROUGH	
DIVISION 23 - HVAC			CONTRACTOR BID	
DIVISION 26 - ELECTRICAL			PM REVIEWS BID	
DIVISION 27 - COMMUNICATIONS			AVP F&S APPROVAL OF BID	
DIVISION 28 - ELECTRONIC SAFETY & SECURITY			PM PREPARES MPP	
DIVISION 31 - EARTHWORK			MPP TO CLIENT	
DIVISION 32 - EXTERIOR IMPROVEMENT			CLIENT APPROVAL AND FUNDING	
DIVISION 33 - UTILITIES			REQUISITION GENERATED	
COMMISSIONING			PO ISSUED (NOTICE TO PROCEED)	
GENERAL LIABILITY		CONSTRUCTION	CONSTRUCTION STARTS	4.5 MONTHS
GENERAL CONDITIONS (STAFFING, ETC.)			RFIS, SUBMITTALS, DOCUMENTS	
CONTRACTOR'S FEE (OVERHEAD & PROFIT)			PROGRESS REVIEWS	
PAYMENT & PERFORMANCE BOND (NOT REQ'D IF UNDER \$100K)			PAYMENT APPLICATIONS, INVOICES	
INFORMATION TECHNOLOGIES & RESOURCES COST			INSPECTIONS	
UCF IT			CERTIFICATE OF COMPLETION	
OFFICE OF INSTRUCTIONAL RESOURCES (OIR)			CERTIFICATE OF OCCUPANCY	
FBO AND PERMITTING COST		CLOSE-OUT	BENEFICIAL OCCUPANCY BY CLIENT	1.75 MONTHS
BUILDING CODE OFFICE			PUNCH LIST COMPLETION	
STATE FIRE MARSHALL			FINAL INVOICES	
PROJECT MANAGEMENT FEES			OWNER'S MANUALS	
FACILITIES OPERATIONS ALLOWANCE			ASSET TURNOVER TO OPERATIONS	
CONSTRUCTION CONTINGENCY (10%, REFUNDED IF NOT USED)			ACCOUNTING CLOSE-OUT	
TOTAL PROJECT COST		TOTAL PROJECT TIME - 10.5 MONTHS		