



PROJECT INFORMATION	
PROJECT NAME: PHYSICAL SCIENCES ROOM 155 BLUEFORS DILUTION REFRIGERATOR EQUIPMENT LAB UPGRADE	DATE COMPLETED: NOVEMBER 19, 2024
PROJECT NUMBER: 24121001	PROJECT MANAGER: TOM ANGUISH
PROJECT DESCRIPTION: UTILITY CONNECTIONS PROVIDED TO SUPPORT AN OWNER-PURCHASED BLUEFORS DILUTION REFRIGERATOR IN ROOM 155 AT PHYSICAL SCIENCES. PROCESSED CHILLED WATER (PCW) AND COMPRESSED AIR (CA) CONNECTED TO EQUIPMENT. BALL ISOLATION VALVES, METERS, AND GAUGES INSTALLED INLINE WITH PCW LINES. PCW FILTRATION MANIFOLD INSTALLED ON WALL. QUICK DISCONNECT INSTALLED ON CA LINE. (4) NEW RECEPTACLES INSTALLED TO PROVIDE POWER TO REFRIGERATOR. FLOOR GRATE REPLACED.	

**PROJECT IMAGES**





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PROJECT COST	
<b>DESIGN COST</b>	<b>\$ 11,150.00</b>
ARCHITECT / ENGINEER / INTERIOR DESIGN	\$ 11,150.00
<b>CONSTRUCTION COST</b>	<b>\$ 16,356.22</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	\$ 5,356.22
DIVISION 10 - SPECIALTIES	\$ -
DIVISION 11 - EQUIPMENT	\$ -
DIVISION 12 - FURNISHINGS	\$ -
DIVISION 13 - SPECIAL CONSTRUCTION	\$ -
DIVISION 14 - CONVEYING EQUIPMENT	\$ -
DIVISION 21 - FIRE SUPPRESSION	\$ -
DIVISION 22 - PLUMBING	\$ -
DIVISION 23 - HVAC	\$ 5,500.00
DIVISION 26 - ELECTRICAL	\$ 5,500.00
DIVISION 27 - COMMUNICATIONS	\$ -
DIVISION 28 - ELECTRONIC SAFETY & SECURITY	\$ -
DIVISION 31 - EARTHWORK	\$ -
DIVISION 32 - EXTERIOR IMPROVEMENT	\$ -
DIVISION 33 - UTILITIES	\$ -
COMMISSIONING	\$ -
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>\$ 5,672.88</b>
BUILDING CODE OFFICE	\$ 444.00
STATE FIRE MARSHALL	\$ -
PROJECT MANAGEMENT FEES	\$ 5,228.88
FACILITIES OPERATIONS ALLOWANCE	\$ -
CONSTRUCTION CONTINGENCY (10%, REFUNDED IF NOT USED)	\$ -
<b>TOTAL PROJECT COST</b>	<b>\$ 33,179.10</b>

PROJECT TIME		
START	PROJECT SUBMITTED BY CLIENT	2.5 MONTHS
	SPAA, F&S REVIEW	
	PM ASSIGNED	
	PM CONTACTS REQUESTER	
	PM DEVELOPS SCOPE	
DESIGN	A/E SELECTED	3.75 MONTHS
	A/E PROPOSAL REVIEW	
	MPP TO CLIENT	
	CLIENT APPROVAL AND FUNDING	
	REQUISITION GENERATED	
	PO ISSUED (NOTICE TO PROCEED)	
	A/E DESIGN	
	WORKSHOPS	
BID/PERMIT	PERMIT REVIEWS	7 MONTHS
	S/S PERMIT DRAWINGS REC'D	
	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	
CONSTRUCTION	MPP TO CLIENT	0.5 MONTHS
	CLIENT APPROVAL AND FUNDING	
	REQUISITION GENERATED	
	PO ISSUED (NOTICE TO PROCEED)	
	CONSTRUCTION STARTS	
	RFIS, SUBMITTALS, DOCUMENTS	
	PROGRESS REVIEWS	
CLOSE-OUT	PAYMENT APPLICATIONS, INVOICES	2 MONTHS
	INSPECTIONS	
	CERTIFICATE OF COMPLETION	
	CERTIFICATE OF OCCUPANCY	
	BENEFICIAL OCCUPANCY BY CLIENT	
PUNCH LIST COMPLETION	2 MONTHS	
FINAL INVOICES		
OWNER'S MANUALS		
ASSET TURNOVER TO OPERATIONS		
ACCOUNTING CLOSE-OUT		
<b>TOTAL PROJECT TIME - 15.75 MONTHS</b>		