



**PROJECT INFORMATION**

PROJECT NAME: RESEARCH 1 LAB 340 MODIFICATIONS

DATE COMPLETED: AUGUST 20, 2025

PROJECT NUMBER: 25120005

PROJECT MANAGER: DJ THOMAS

PROJECT DESCRIPTION: ELECTRICAL AND HVAC INFRASTRUCTURE PROVIDED TO SUPPORT THE INSTALLATION OF AN OWNER-FURNISHED CRYOGENIC REFRIGERATION SYSTEM IN LAB 340 AT RESEARCH 1. 480V 3-PHASE POWER CONNECTION PROVIDED, WITH A DISCONNECT SWITCH, CONDUIT, AND WIRING. A NEW CIRCUIT BREAKER WAS ADDED TO THE EXISTING PANEL. PROCESS CHILLED WATER CONNECTIONS AND PIPING MODIFIED. STRUTS AND HANGERS INSTALLED TO SUPPORT HELIUM FLEX LINES.

**PROJECT IMAGES**





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PROJECT COST

<b>DESIGN COST</b>	<b>\$ 6,000.00</b>
ARCHITECT / ENGINEER / INTERIOR DESIGN	\$ 6,000.00
<b>CONSTRUCTION COST</b>	<b>\$ 12,397.00</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	\$ -
DIVISION 22 - PLUMBING	\$ -
DIVISION 23 - HVAC	\$ 6,198.50
DIVISION 26 - ELECTRICAL	\$ 6,198.50
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>\$ 2,279.39</b>
BUILDING CODE OFFICE	\$ 222.00
STATE FIRE MARSHALL	\$ -
PROJECT MANAGEMENT FEES	\$ 2,057.39
FACILITIES OPERATIONS ALLOWANCE	\$ -
CONSTRUCTION CONTINGENCY (10%, REFUNDED IF NOT USED)	\$ -
<b>TOTAL PROJECT COST</b>	<b>\$ 20,676.39</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	1.5 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	1 MONTH
	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	
	MPP TO CLIENT	
CONSTRUCTION	CLIENT APPROVAL AND FUNDING	1 MONTH
	REQUISITION GENERATED	
	PO ISSUED (NOTICE TO PROCEED)	
	CONSTRUCTION STARTS	
	RFIS, SUBMITTALS, DOCUMENTS	
	PROGRESS REVIEWS	
	PAYMENT APPLICATIONS, INVOICES	
CLOSE-OUT	INSPECTIONS	1.75 MONTHS
	CERTIFICATE OF COMPLETION	
	CERTIFICATE OF OCCUPANCY	
	BENEFICIAL OCCUPANCY BY CLIENT	
	PUNCH LIST COMPLETION	
<b>TOTAL PROJECT TIME - 7.75 MONTHS</b>		