



PROJECT INFORMATION

PROJECT NAME: DPAC VRF IN-LINE PUMP	DATE COMPLETED: SEPTEMBER 29, 2025
PROJECT NUMBER: 24915003	PROJECT MANAGER: MARIA YEBRA-TEIMOURI
PROJECT DESCRIPTION: VARIABLE REFRIGERANT FLOW (VRF) IN-LINE PUMP AND INJECTION LOOP INSTALLED TO SERVE THE EXISTING WATER-COOLED VARIABLE FREQUENCY DRIVE (VFD) CONDENSING UNITS AT DR. PHILLIPS ACADEMIC COMMONS. A BYPASS WAS PROVIDED AROUND THE NEW PUMP TO ALLOW CONTINUED WATER FLOW UPON PUMP FAILURE. IN-LINE CIRCULATOR PUMP, AND 4" CHILLED WATER WELDED PIPING INSTALLED. ELECTRICAL CONNECTIONS PROVIDED. COMMISSIONING SERVICES PERFORMED, WITH OVERSIGHT PROVIDED BY UCF UTILITIES & ENGINEERING SERVICES (UES). UCF UES ALSO PROVIDED CONTROLS PROGRAMMING. DATA PORT ON CONTROL PANEL FOR HVAC PUMP ACTIVATED BY UCFIT.	

PROJECT IMAGES





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PROJECT COST

DESIGN COST	\$ 12,550.00
ARCHITECT / ENGINEER / INTERIOR DESIGN	\$ 12,550.00
CONSTRUCTION COST	\$ 85,360.00
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	\$ 78,647.49
DIVISION 26 - ELECTRICAL	\$ -
DIVISION 27 - COMMUNICATIONS	\$ -
DIVISION 28 - ELECTRONIC SAFETY & SECURITY	\$ -
DIVISION 31 - EARTHWORK	\$ -
DIVISION 32 - EXTERIOR IMPROVEMENT	\$ -
DIVISION 33 - UTILITIES	\$ -
COMMISSIONING	\$ 6,712.51
GENERAL LIABILITY	\$ -
GENERAL CONDITIONS (STAFFING, ETC.)	\$ -
CONTRACTOR'S FEE (OVERHEAD & PROFIT)	\$ -
PAYMENT & PERFORMANCE BOND (NOT REQ'D IF UNDER \$100K)	\$ -
INFORMATION TECHNOLOGIES & RESOURCES COST	\$ 50.00
UCF IT	\$ 50.00
OFFICE OF INSTRUCTIONAL RESOURCES (OIR)	\$ -
FBO AND PERMITTING COST	\$ 11,365.93
BUILDING CODE OFFICE	\$ 1,382.00
STATE FIRE MARSHALL	\$ -
PROJECT MANAGEMENT FEES	\$ 9,000.00
FACILITIES OPERATIONS ALLOWANCE	\$ 983.93
CONSTRUCTION CONTINGENCY (10%, REFUNDED IF NOT USED)	\$ -
TOTAL PROJECT COST	\$ 109,325.93

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	8.75 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	4.5 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	
	CLIENT APPROVAL AND FUNDING	
CONSTRUCTION	REQUISITION GENERATED	5.25 MONTHS
	PO ISSUED (NOTICE TO PROCEED)	
	CONSTRUCTION STARTS	
	RFIS, SUBMITTALS, DOCUMENTS	
	PROGRESS REVIEWS	
	PAYMENT APPLICATIONS, INVOICES	
	INSPECTIONS	
CLOSE-OUT	CERTIFICATE OF COMPLETION	4.25 MONTHS
	CERTIFICATE OF OCCUPANCY	
	BENEFICIAL OCCUPANCY BY CLIENT	
	PUNCH LIST COMPLETION	
	FINAL INVOICES	
TOTAL PROJECT TIME - 25.25 MONTHS		