



PROJECT INFORMATION	
PROJECT NAME: 19154002 MAE HVAC CONTROLS MODERNIZATION	DATE COMPLETED: SEPTEMBER 5, 2024
PROJECT NUMBER: 19154002	PROJECT MANAGER: JOSE DAVILA
PROJECT DESCRIPTION: HVAC CONTROLS MODERNIZATION AT MAE/OM LABRATORY. REPLACEMENT OF THE BAS GATEWAY, COMMUNICATION WIRE, AND FIELD CONTROLLERS. REPLACEMENT OF FIELD DEVICES, SENSORS, AND ACTUATORS. REPLACEMENT OF EXISTING 50-TON CHILLER, WITH NEW, 110-TON AIR-COOLED, PACKAGED PUMP CHILLER. REPLACEMENT OF CHILLED WATER PIPING AND ACCESSORIES IN CENTRAL ENERGY PLANT. NEW CONDENSATE PIPING AND ROUTING FOR BOTH EXISTING AIR HANDLING UNITS, AHU-1 AND AHU-2. EXISTING VFDS FOR AHU-1 AND AHU-2 REPLACED AND RELOCATED.	

PROJECT IMAGES





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PROJECT COST	
DESIGN COST	\$ 118,873.00
ARCHITECT / ENGINEER / INTERIOR DESIGN	\$ 118,873.00
CONSTRUCTION COST	\$ 1,033,290.51
DIVISION 1 - GENERAL REQUIREMENTS (DUMPSTERS, ETC.)	\$ -
DIVISION 2 - EXISTING CONDITIONS	\$ 22,109.00
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	\$ 994,761.51
DIVISION 26 - ELECTRICAL	\$ -
DIVISION 27 - COMMUNICATIONS	\$ -
DIVISION 28 - ELECTRONIC SAFETY & SECURITY	\$ -
DIVISION 31 - EARTHWORK	\$ -
DIVISION 32 - EXTERIOR IMPROVEMENT	\$ -
DIVISION 33 - UTILITIES	\$ -
COMMISSIONING	\$ 16,420.00
GENERAL LIABILITY	\$ -
GENERAL CONDITIONS (STAFFING, ETC.)	\$ -
CONTRACTOR'S FEE (OVERHEAD & PROFIT)	\$ -
PAYMENT & PERFORMANCE BOND (NOT REQ'D IF UNDER \$100K)	\$ -
INFORMATION TECHNOLOGIES & RESOURCES COST	\$ -
UCF IT	\$ -
OFFICE OF INSTRUCTIONAL RESOURCES (OIR)	\$ -
FBO AND PERMITTING COST	\$ 72,446.70
BUILDING CODE OFFICE	\$ 9,658.00
STATE FIRE MARSHALL	\$ -
PROJECT MANAGEMENT FEES	\$ 62,788.70
FACILITIES OPERATIONS ALLOWANCE	\$ -
CONSTRUCTION CONTINGENCY (10%, REFUNDED IF NOT USED)	\$ -
TOTAL PROJECT COST	\$ 1,224,610.21

PROJECT TIME		
START	PROJECT SUBMITTED BY CLIENT	5.75 MONTHS
	SPAA, F&S REVIEW	
	PM ASSIGNED	
	PM CONTACTS REQUESTER	
DESIGN	PM DEVELOPS SCOPE	41.25 MONTHS
	A/E SELECTED	
	A/E PROPOSAL REVIEW	
	MPP TO CLIENT	
	CLIENT APPROVAL AND FUNDING	
	REQUISITION GENERATED	
	PO ISSUED (NOTICE TO PROCEED)	
	A/E DESIGN	
BID/PERMIT	WORKSHOPS	5.25 MONTHS
	PERMIT REVIEWS	
	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	
CONSTRUCTION	PM PREPARES MPP	5 MONTHS
	MPP TO CLIENT	
	CLIENT APPROVAL AND FUNDING	
	REQUISITION GENERATED	
	PO ISSUED (NOTICE TO PROCEED)	
	CONSTRUCTION STARTS	
	RFIS, SUBMITTALS, DOCUMENTS	
CLOSE-OUT	PROGRESS REVIEWS	6.25 MONTHS
	PAYMENT APPLICATIONS, INVOICES	
	INSPECTIONS	
	CERTIFICATE OF COMPLETION	
	CERTIFICATE OF OCCUPANCY	
	BENEFICIAL OCCUPANCY BY CLIENT	
CONSTRUCTION	PUNCH LIST COMPLETION	6.25 MONTHS
	FINAL INVOICES	
	OWNER'S MANUALS	
	ASSET TURNOVER TO OPERATIONS	
	ACCOUNTING CLOSE-OUT	
TOTAL PROJECT TIME - 5 YEARS, 3.5 MONTHS		