



| PROJECT INFORMATION | |
|---|--------------------------------|
| PROJECT NAME: COLLEGE OF SCIENCES HVAC CONTROL SYSTEM | DATE COMPLETED: AUGUST 2, 2023 |
| PROJECT NUMBER: 17054003 | PROJECT MANAGER: JASON MOTTO |
| PROJECT DESCRIPTION: UPGRADE HVAC CONTROLS SYSTEM AT THE COLLEGE OF SCIENCES BUILDING. 3 NEW AHUs AND VFDs INSTALLED. NEW VAV TERMINAL BOXES INSTALLED, ALONG WITH ALL ASSOCIATED ELECTRIC DUCT HEATERS, AIR DAMPERS, ACTUATORS, FIELD DEVICES, VALVES, FITTINGS, AND PIPE SUPPORTS. BAS GATEWAY REPLACED, FAN COIL UNITS ADDED. CHILLED WATER PIPING MODIFIED. ELECTRIC HEAT ADDED TO VAV TERMINAL BOXES. SMOKE DETECTORS REMOVED, REPROGRAMMED, AND REINSTALLED. THE PROJECT WAS DELAYED FOR VARIOUS REASONS, INCLUDING SCOPE CHANGES, SUBMITTAL REVISIONS, CLOSEOUT DOCUMENTS, CORRECTING ISSUES WITH THE NEW CONTROLS, AND ACCOUNTING DELAYS. | |

PROJECT IMAGES





| PROJECT INFORMATION | |
|---|--------------------------------|
| PROJECT NAME: COLLEGE OF SCIENCES HVAC CONTROL SYSTEM | DATE COMPLETED: AUGUST 2, 2023 |
| PROJECT NUMBER: 17054003 | PROJECT MANAGER: JASON MOTTO |
| PROJECT DESCRIPTION: UPGRADE HVAC CONTROLS SYSTEM AT THE COLLEGE OF SCIENCES BUILDING. 3 NEW AHUs AND VFDs INSTALLED. NEW VAV TERMINAL BOXES INSTALLED, ALONG WITH ALL ASSOCIATED ELECTRIC DUCT HEATERS, AIR DAMPERS, ACTUATORS, FIELD DEVICES, VALVES, FITTINGS, AND PIPE SUPPORTS. BAS GATEWAY REPLACED, FAN COIL UNITS ADDED. CHILLED WATER PIPING MODIFIED. ELECTRIC HEAT ADDED TO VAV TERMINAL BOXES. SMOKE DETECTORS REMOVED, REPROGRAMMED, AND REINSTALLED. THE PROJECT WAS DELAYED FOR VARIOUS REASONS, INCLUDING SCOPE CHANGES, SUBMITTAL REVISIONS, CLOSEOUT DOCUMENTS, CORRECTING ISSUES WITH THE NEW CONTROLS, AND ACCOUNTING DELAYS. | |

| PROJECT COST | |
|--|------------------------|
| DESIGN COST | \$ 153,777.00 |
| ARCHITECT / ENGINEER / INTERIOR DESIGN | \$ 153,777.00 |
| CONSTRUCTION COST | \$ 1,271,754.38 |
| 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 | \$ 3,793.75 |
| DIVISION 22 - PLUMBING | \$ - |
| DIVISION 23 - HVAC | \$ 938,627.63 |
| DIVISION 26 - ELECTRICAL | \$ 105,393.00 |
| DIVISION 27 - COMMUNICATIONS | \$ - |
| DIVISION 28 - ELECTRONIC SAFETY & SECURITY | \$ - |
| DIVISION 31 - EARTHWORK | \$ - |
| DIVISION 32 - EXTERIOR IMPROVEMENT | \$ - |
| DIVISION 33 - UTILITIES | \$ - |
| COMMISSIONING | \$ 53,278.00 |
| GENERAL LIABILITY | \$ 33,692.00 |
| GENERAL CONDITIONS (STAFFING, ETC.) | \$ 84,232.00 |
| CONTRACTOR'S FEE (OVERHEAD & PROFIT) | \$ 42,631.00 |
| PAYMENT & PERFORMANCE BOND (NOT REQ'D IF UNDER \$100K) | \$ 10,107.00 |
| INFORMATION TECHNOLOGIES & RESOURCES COST | \$ - |
| UCF IT | \$ - |
| OFFICE OF INSTRUCTIONAL RESOURCES (OIR) | \$ - |
| FACILITIES & SAFETY COST | \$ 65,467.06 |
| BUILDING CODE OFFICE | \$ 13,863.50 |
| STATE FIRE MARSHALL | \$ 200.00 |
| FP&C PROFESSIONAL MANAGEMENT SERVICES | \$ 45,467.56 |
| FACILITIES OPERATIONS ALLOWANCE | \$ 5,936.00 |
| CONSTRUCTION CONTINGENCY (10%, REFUNDED IF NOT USED) | \$ - |
| TOTAL PROJECT COST | \$ 1,490,998.44 |

| PROJECT TIME | | |
|---|--------------------------------|--------------|
| START | PROJECT SUBMITTED BY CLIENT | 2 MONTHS |
| | SPAA, F&S REVIEW | |
| | PM ASSIGNED | |
| | PM CONTACTS REQUESTER | |
| DESIGN | PM DEVELOPS SCOPE | 8 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 | 21.25 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 | |
| | PM PREPARES MPP | |
| CONSTRUCTION | MPP TO CLIENT | 12.5 MONTHS |
| | CLIENT APPROVAL AND FUNDING | |
| | REQUISITION GENERATED | |
| | PO ISSUED (NOTICE TO PROCEED) | |
| | CONSTRUCTION STARTS | |
| | RFIS, SUBMITTALS, DOCUMENTS | |
| | PROGRESS REVIEWS | |
| | PAYMENT APPLICATIONS, INVOICES | |
| | INSPECTIONS | |
| | CERTIFICATE OF COMPLETION | |
| CLOSE-OUT | CERTIFICATE OF OCCUPANCY | 16.75 MONTHS |
| | BENEFICIAL OCCUPANCY BY CLIENT | |
| | PUNCH LIST COMPLETION | |
| | FINAL INVOICES | |
| | OWNER'S MANUALS | |
| ASSET TURNOVER TO OPERATIONS | | |
| ACCOUNTING CLOSE-OUT | | |
| TOTAL PROJECT TIME - 4 YEARS, 0.5 MONTHS | | |