Design Team

ARCHITECT  HRLC ARCHITECTS, LLC
CIVIL  SANFORD SURVEYING & ENGINEERING
STRUCTURAL  KEYSTONE STRUCTURAL SOLUTIONS
MEP  HF LENZ COMPANY
FOOD SERVICE  MCFARLAND KISTLER & ASSOC, INC.
### Project Information

<table>
<thead>
<tr>
<th>Building Design Capacity after Addition/Renovation</th>
<th>750 students</th>
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<tbody>
<tr>
<td>Site Acreage</td>
<td>146 acres</td>
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<tr>
<td>Total Existing Building Square Footage</td>
<td>101,084 square feet</td>
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<tr>
<td>Total New Addition Square Footage</td>
<td>21,210 square feet</td>
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<tr>
<td>TOTAL BUILDING SQUARE FOOTAGE</td>
<td>122,294 square feet</td>
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<tr>
<td>Project Cost</td>
<td>PROJECT COST</td>
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<tr>
<td>------------------------------------------</td>
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<tr>
<td>Renovation and Addition Proposed Bid Award</td>
<td>$ 29,599,000.00</td>
</tr>
<tr>
<td>Architecture &amp; Engineering Fees</td>
<td>$ 1,775,940.00</td>
</tr>
<tr>
<td>Fees Paid To Date:</td>
<td>($ 675,000.00)</td>
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<tr>
<td>Furniture &amp; Equipment</td>
<td>$ 1,675,000.00</td>
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<tr>
<td>Contingency (Building Permit, Civil, Geotech Change Orders &amp; Clerk of the Works)</td>
<td>$ 2,000,000.00</td>
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<tr>
<td>Schematic Design Preliminary Estimate of Construction Cost</td>
<td>$ 34,374,940.00</td>
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**Proposed Schedule**

<table>
<thead>
<tr>
<th></th>
<th>PROPOSED PROJECT SCHEDULE</th>
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<tbody>
<tr>
<td>Award Project</td>
<td>September 2021</td>
</tr>
<tr>
<td>Start Construction</td>
<td>October 2021</td>
</tr>
<tr>
<td>Final Completion</td>
<td>April 2023</td>
</tr>
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Proposed Phasing Plan

<table>
<thead>
<tr>
<th>PROPOSED PROJECT PHASING</th>
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<tbody>
<tr>
<td>Phase 1 (new construction)</td>
<td>10.2021 - 04.2022</td>
</tr>
<tr>
<td>Phase 2 (renovation)</td>
<td>05.2022 – 08.2022</td>
</tr>
<tr>
<td>Phase 3 (renovation)</td>
<td>09.2022 – 11.2022</td>
</tr>
<tr>
<td>Phase 4 (renovation)</td>
<td>12.2022 – 03.2023</td>
</tr>
<tr>
<td>Substantial Completion</td>
<td>April 2023</td>
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</tbody>
</table>
• Constructed in 1968
  • Renovated in 1992
  • No major changes since it was built
• Existing Building
  • No interior route issues for ADA
  • Quiet areas separated from noisy areas
  • One story, steel framed facility on spread footings
  • Windows need replaced
  • Exterior doors need to be replaced
  • Mezzanine walls need to be insulated
  • EPDM roof out of warranty
  • Existing fascia and soffit need to be replaced
  • Replace markerboards, smartboards, floors & paint walls
Architectural Narrative

- **Design Goals**
  - Address infrastructure issues and space deficiencies
  - Compliance with building codes and life safety
  - New mechanical and electrical systems
  - Update building technology and security

- **Phases**
  - To allow timely occupation of new construction and NOT require relocation of faculty and students during the renovation

- **Design Philosophy**
  - Reflect needs of ever-changing career industry
  - Reinforce clustering of disciplines – promote collaboration
  - Incorporate student work with views of instructional spaces
  - Provide natural light
• Safety and security
  • Access for emergency vehicles
  • Separate car and bus drop off
  • Vehicle barriers
  • Lockdown vestibules
  • Second means of egress (doors and/or windows)

• Energy efficiency
  • Code required
  • Create a tight exterior building envelope
  • Reduce size of mechanical systems
  • Increase roof R-Value
  • Low e, double pane, insulated windows

• Applicable Codes
  • 2015 International Building Code
  • 2015 NFPA
  • IBC/ANSI A117.1 (ADA)
• Energy Efficient Design
• Key Design Features
• Energy Usage
• Proposed HVAC System
• AHU w/hot water (hw) & cold water cw) cooling
  • Multiple interior AHUs w/hw &cw cooling
  • Interior AHUs to serve VAV boxes (individual zoning) w/hw reheat coils
  • Central high efficiency hw boilers to serve hw reheat coils
  • Central air-cooled chiller to provide cw
  • Building management system (DDC)
Site Plan
Demolition Floor Plan
Proposed Additions