H.F. LENZ COMPANY

HRLC ARCHITECTS, LLC

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

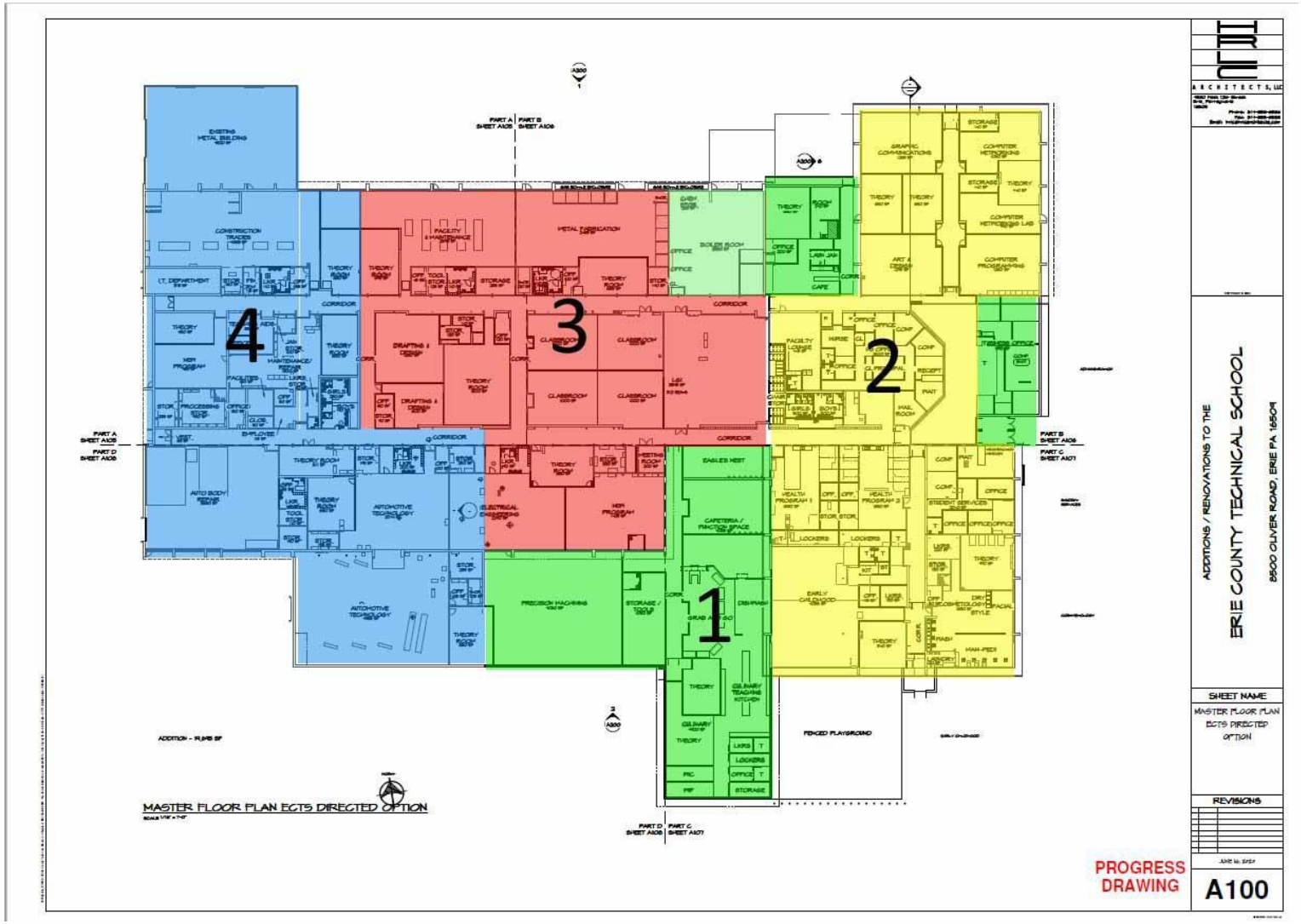
	PROJECT SUMMARY
Building Design Capacity after Addition/ Renovation	750 students
Site Acreage	146 acres
Total Existing Building Square Footage	101,084 square feet
Total New Addition Square Footage	21,210 square feet
TOTAL BUILDING SQUARE FOOTAGE	122,294 square feet

Project Cost

	PROJECT COST
Renovation and Addition Proposed Bid Award	$ 29,599,000.00
Architecture & Engineering Fees	$ 1,775,940.00
Fees Paid To Date:	($ 675,000.00)
Furniture & Equipment	$ 1,675,000.00
Contingency (Building Permit, Civil, Geotech Change Orders & Clerk of the Works)	$ 2,000,000.00
Schematic Design Preliminary Estimate of Construction Cost	$ 34,374,940.00

Proposed Schedule

	PROPOSED PROJECT SCHEDULE
Award Project	September 2021
Start Construction	October 2021
Final Completion	April 2023



Proposed Phasing Plan

	PROPOSED PROJECT PHASING
Phase 1 (new construction))	10.2021 - 04.2022
Phase 2 (renovation)	05.2022 – 08.2022
Phase 3 (renovation)	09.2022 – 11.2022
Phase 4 (renovation)	12.2022 – 03.2023
Substantial Completion	**April 2023**

Architectural Narrative

- 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

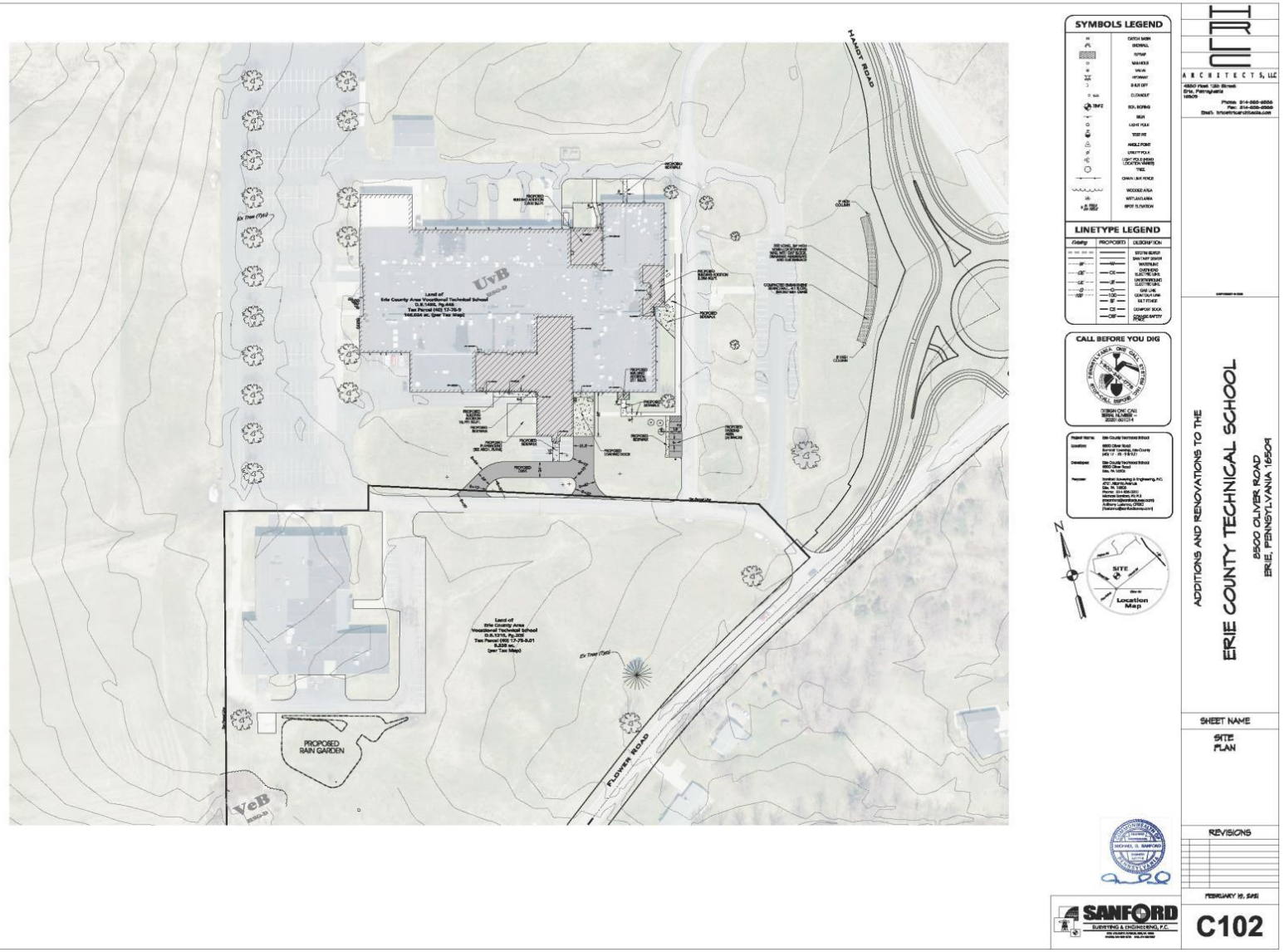
- Design Goals
  - Address infrastructure issues and space deficiencies
  - Compliance with building codes and life safety
  - New mechanical and electrical systems
  - Update building technology and security
- Phases
  - To allow timely occupation of new construction and NOT require relocation of faculty 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

Architectural Narrative

- 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)

MEP Design

- 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)



SYMBOLS LEGEND

LINETYPE LEGEND

CALL BEFORE YOU DIG

SITE
Location Map

ADDITIONS AND RENOVATIONS TO THE
ERIE COUNTY TECHNICAL SCHOOL
8500 OLIVER ROAD
ERIE, PENNSYLVANIA 16509

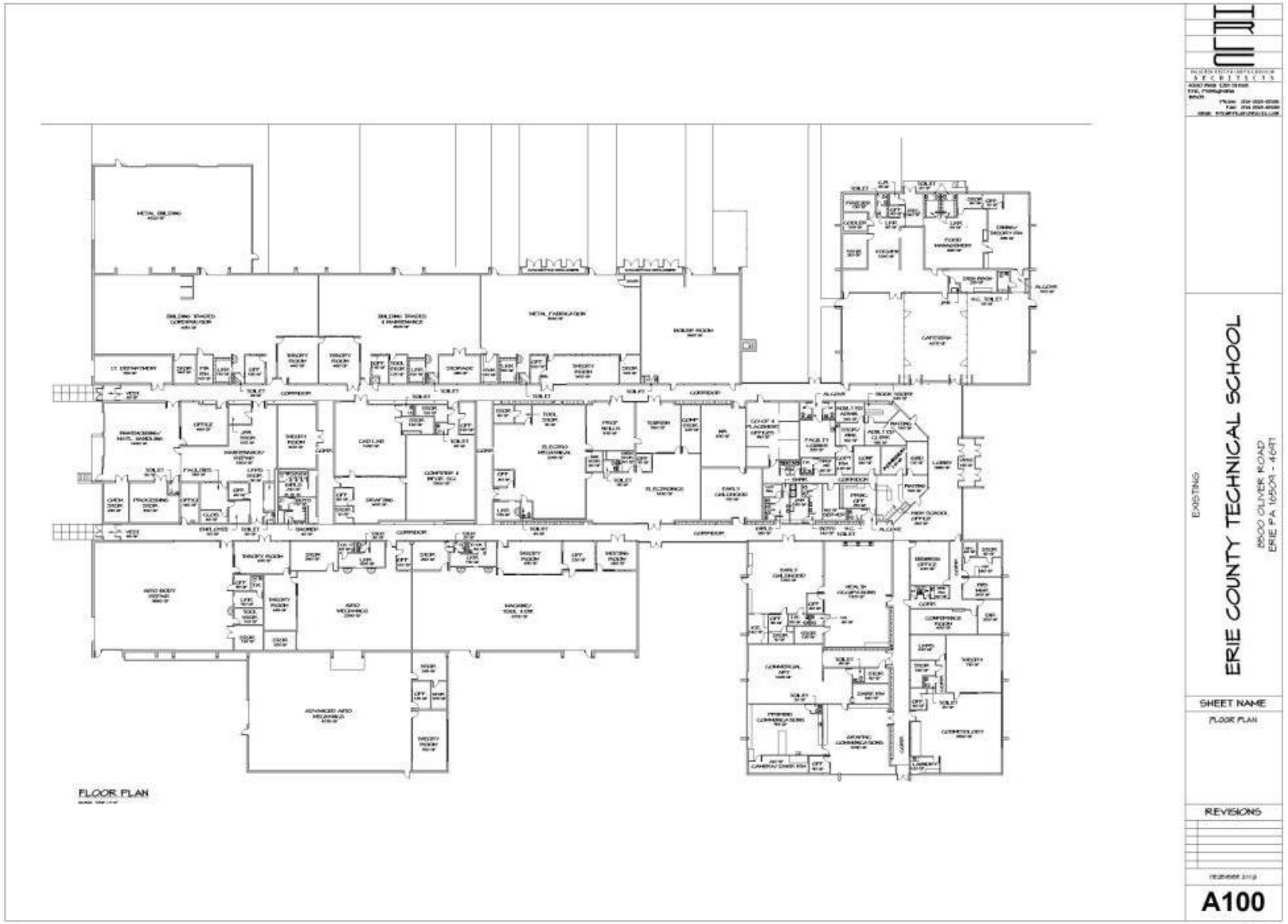
SHEET NAME
SITE PLAN

REVISIONS

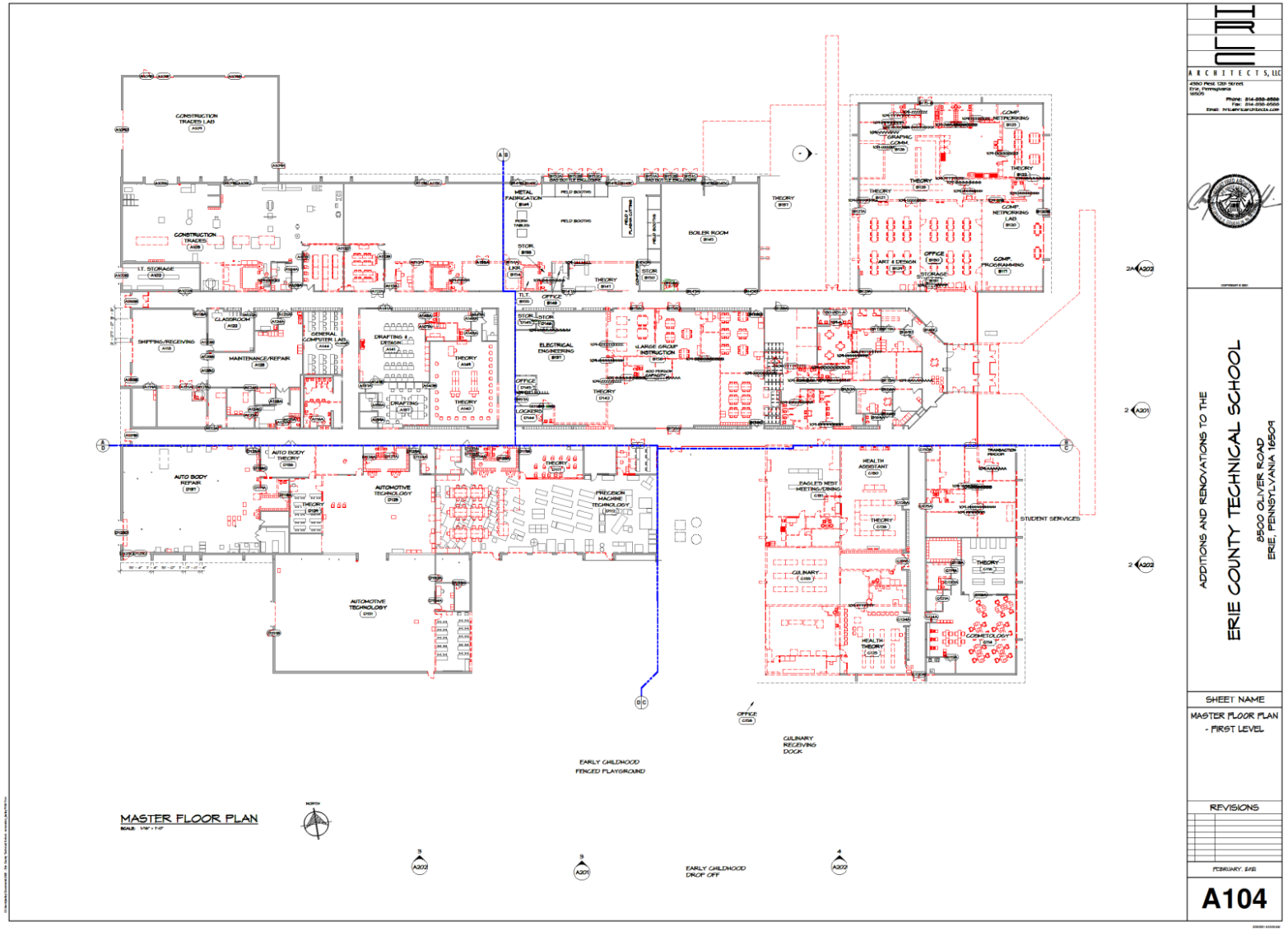
SANFORD
SURVEYING & ENGINEERING, P.C.

C102

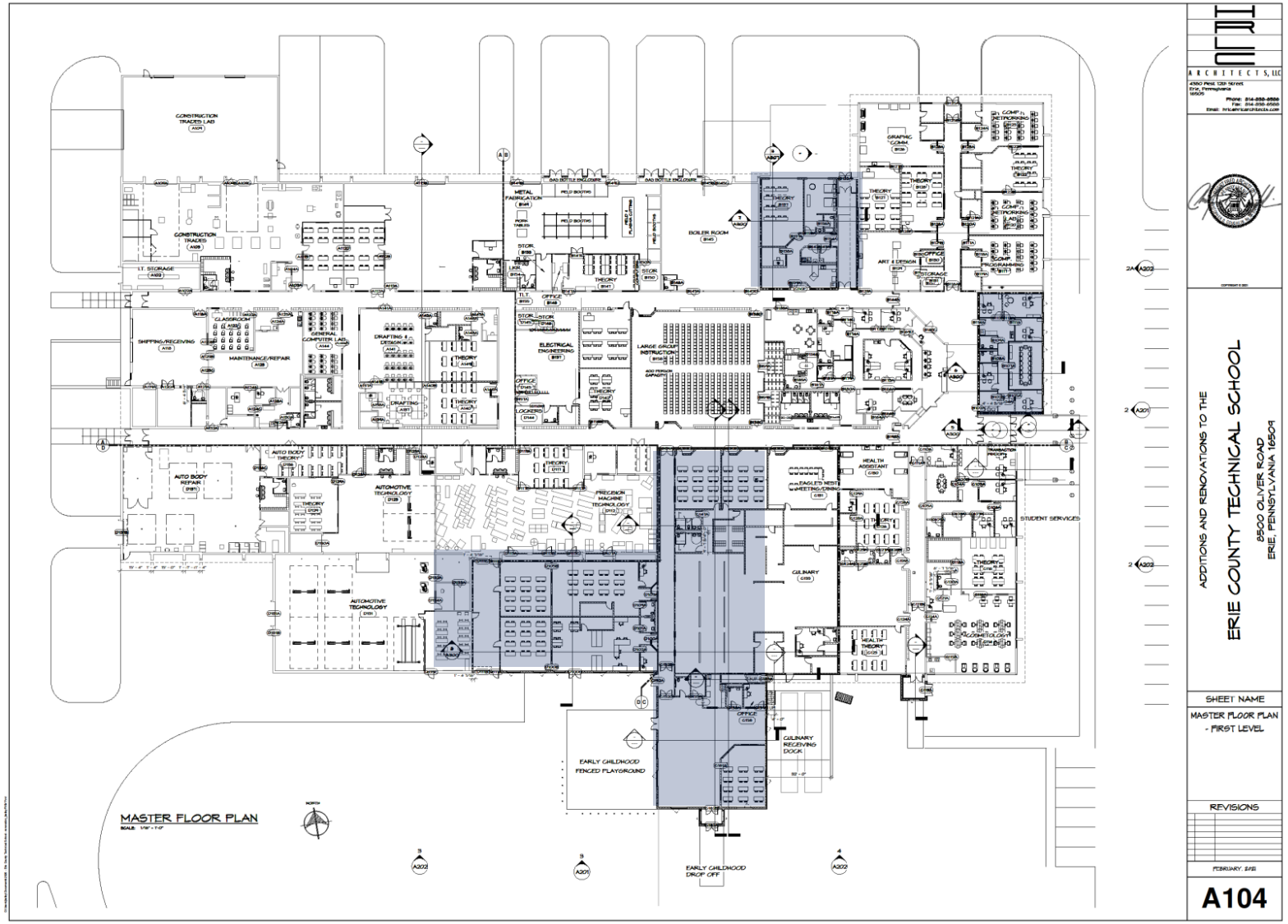
Site Plan



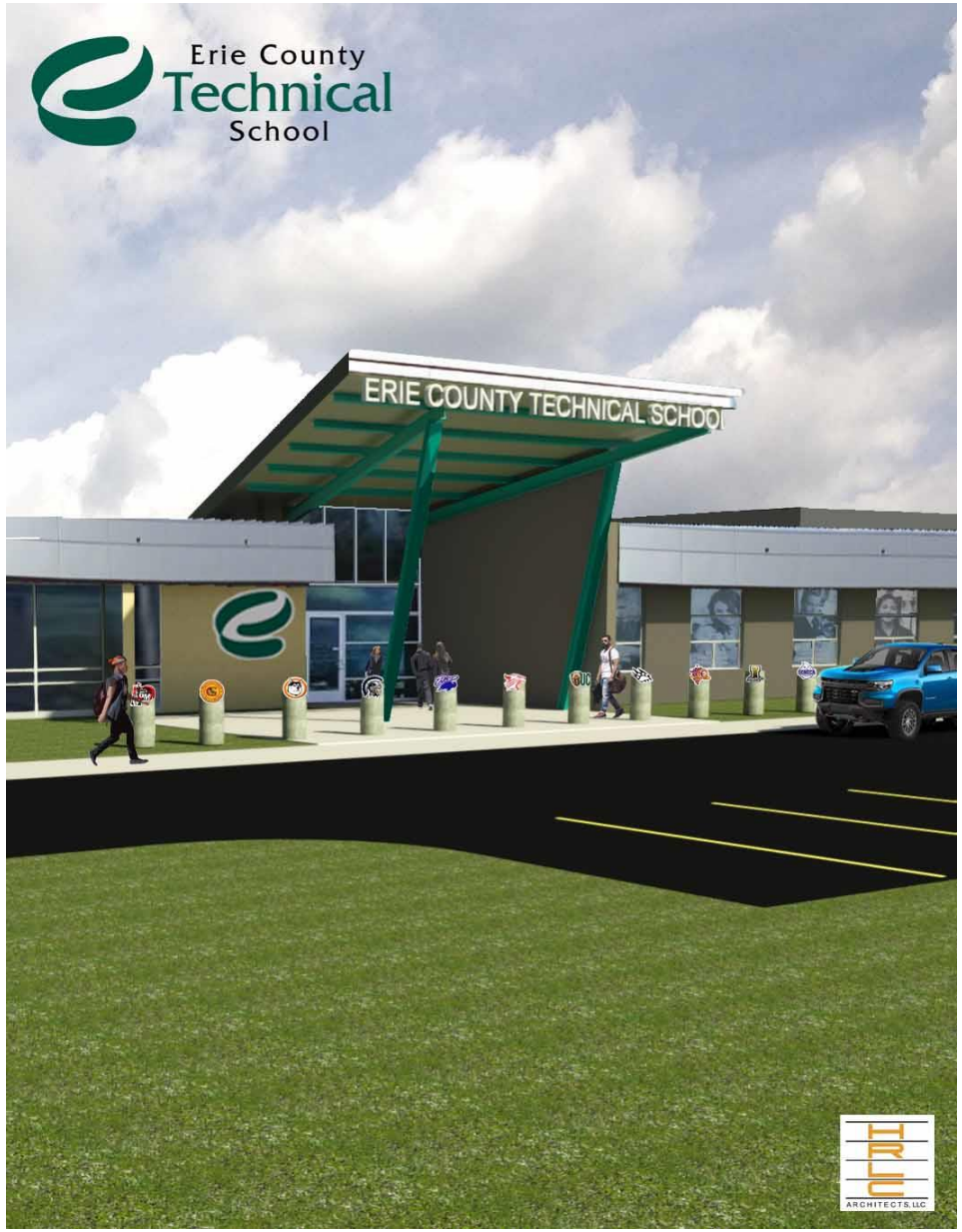
Existing Floor Plan



Demolition Floor Plan



Proposed Additions



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