

ERIE COUNTY TECHNICAL SCHOOL



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

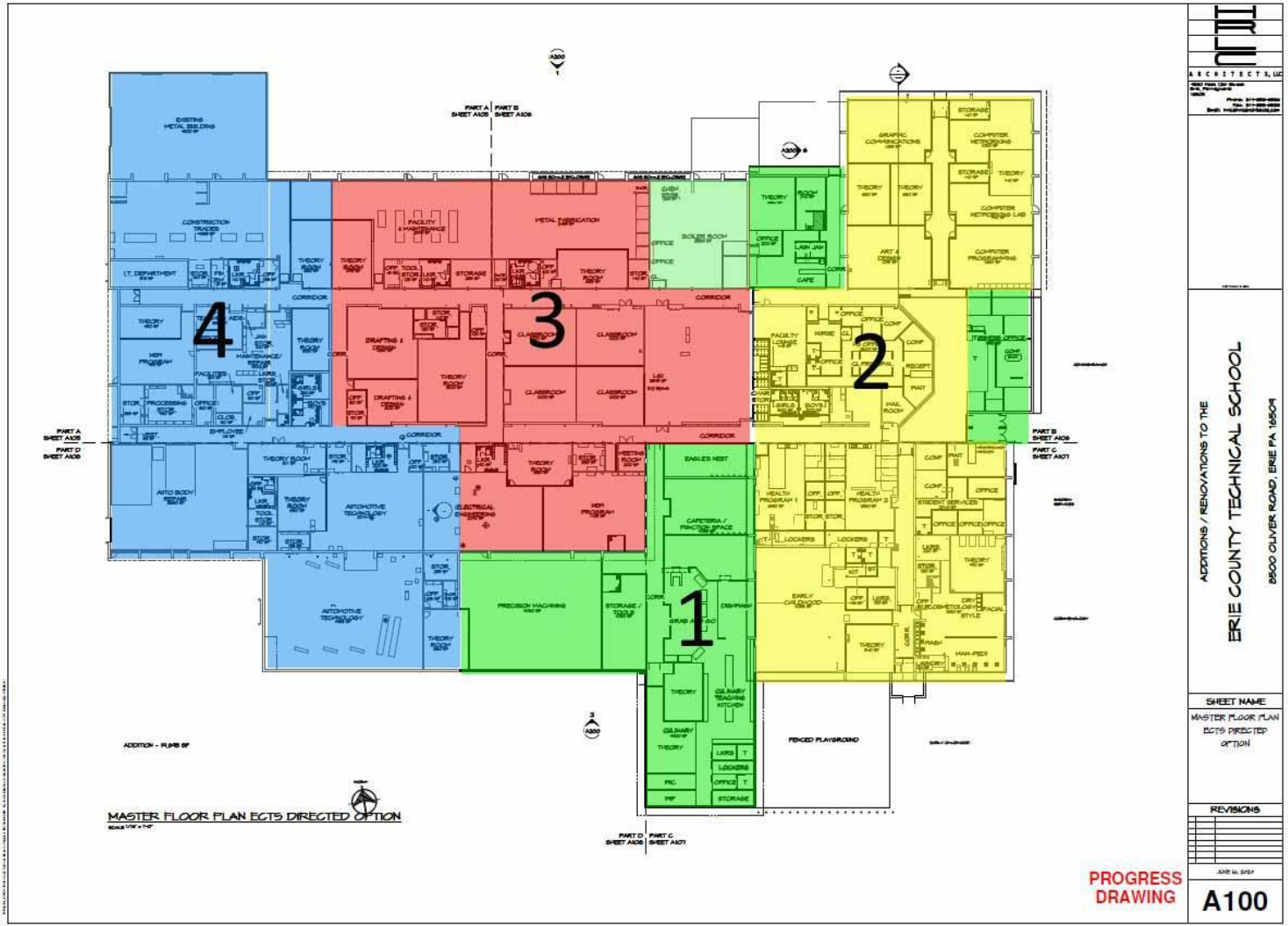
	PROJECT SUMMARY
Building Design Capacity after Addition/ Renovation	750 students
Site Acreage	146 acres
Total Existing Building Square Footage	101,084 square feet
Total New Addition Square Footage	21,210 square feet
TOTAL BUILDING SQUARE FOOTAGE	122,294 square feet

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

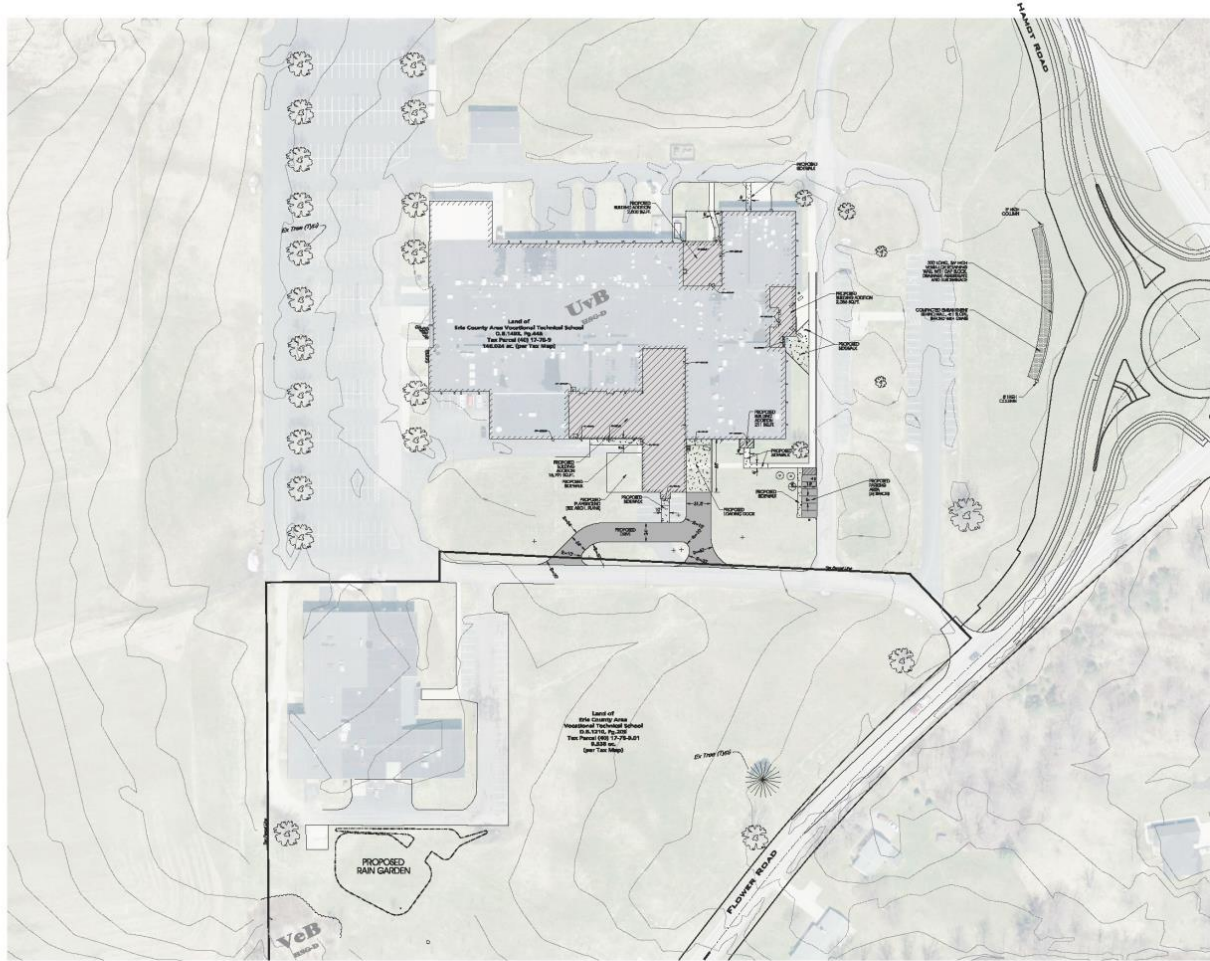
- **Design Goals**
 - Address infrastructure issues and space deficiencies
 - Compliance with building codes and life safety
 - New mechanical and electrical systems
 - Update building technology and security
- **Phases**
 - To allow timely occupation of new construction and NOT require relocation of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

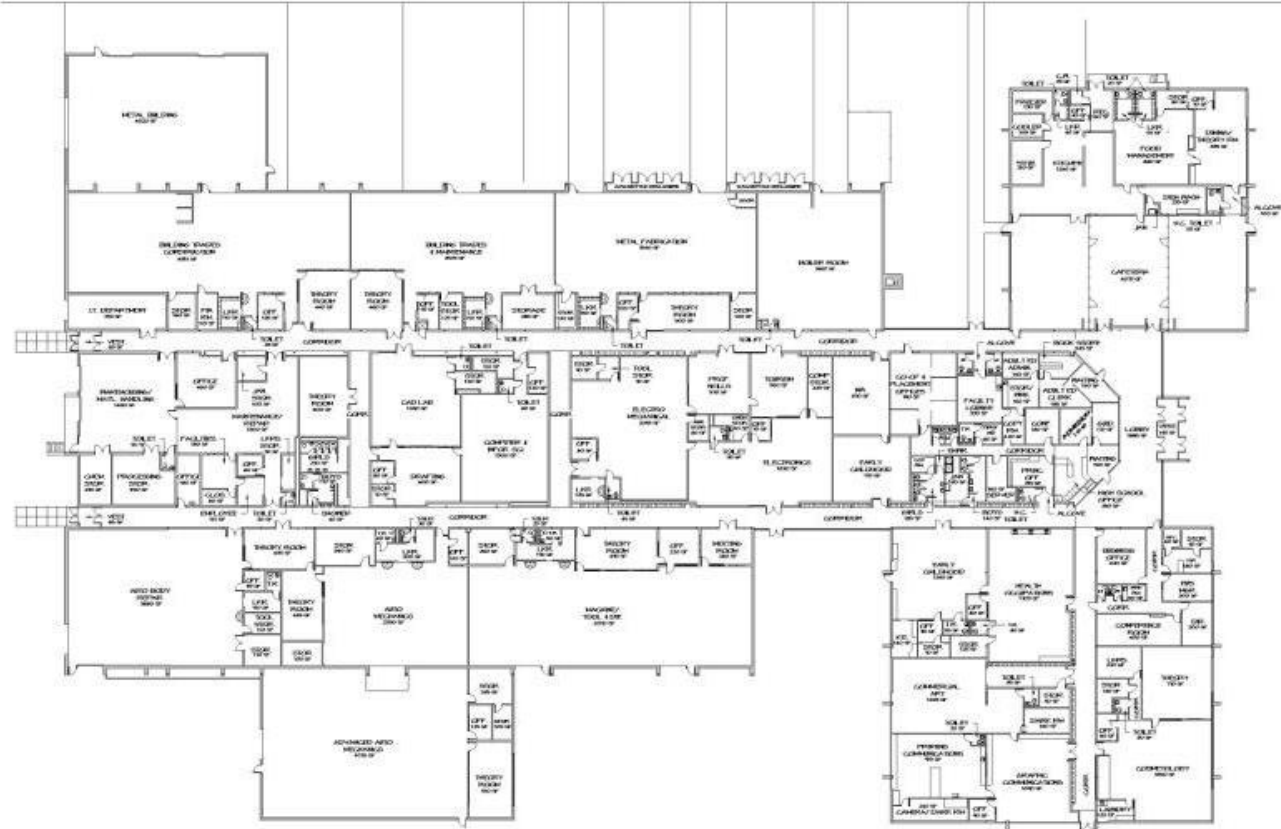
MEP Design

- 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													
	ERIE MARK												
	BOUNDARY												
	WALL												
	WINDOW												
	DOOR												
	STAIR												
	ELEVATION												
	ERIE MARK												
	LIGHT POLE												
	TREE												
	WALL/FLOOR												
	UTILITY												
	CONCRETE FLOOR												
	TIE												
	CHAIN LINK FENCE												
	WOODS/LAKE												
	METALLURGY												
	ROAD SURFACE												
LINETYPE LEGEND													
	ERIE MARK												
	WINDOW												
	DOOR												
	STAIR												
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	UTILITY												
	CONCRETE FLOOR												
	TIE												
	CHAIN LINK FENCE												
CALL BEFORE YOU DIG													
<p>ERIE COUNTY DEPARTMENT OF PUBLIC WORKS 300 SOUTH MAIN STREET ERIE, PA 16501</p>													
<p>Map Name: Erie County Department of Public Works Location: Erie County Department of Public Works Date: 02/19/2025 Project: Erie County Technical School 2500 OLIVER ROAD ERIE, PA 16501 Project No: 25-001 Drawing No: 25-001-010 Drawing Title: SITE PLAN Drawing Date: 02/19/2025 Drawing Scale: AS SHOWN</p>													
<p>North Arrow SITE LOCATION MAP Erie County, PA</p>													
<p>ADDITIONS AND RENOVATIONS TO THE ERIE COUNTY TECHNICAL SCHOOL 2500 OLIVER ROAD ERIE, PENNSYLVANIA 16501</p>													
SHEET NAME													
SITE PLAN													
REVISIONS													
<table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>		NO.	DATE	DESCRIPTION									
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<p>ERIE COUNTY DEPARTMENT OF PUBLIC WORKS MICHAEL S. SANFORD 2500 OLIVER ROAD ERIE, PA 16501 PROJECT NO. 25-001 DRAWING NO. 25-001-010 DRAWING TITLE: SITE PLAN DRAWING DATE: 02/19/2025 DRAWING SCALE: AS SHOWN</p>													
<p>SANFORD SURVEYING & ENGINEERING, P.C. 1000 W. 10TH STREET ERIE, PA 16501 PHONE: 814-865-8800 FAX: 814-865-8800 WWW: WWW.SANFORDSURVEYING.COM</p>													
<p>FEBRUARY 19, 2025 C102</p>													

Site Plan



FLOOR PLAN
DATE: 08/11/11

TRIPLE
 RECORDS COPY SERVICE
S P C I T I S T S
 4000 W. 120th Street
 Erie, Pennsylvania
 Phone: 814-863-0300
 Fax: 814-863-0300
 Email: 814@triple.com

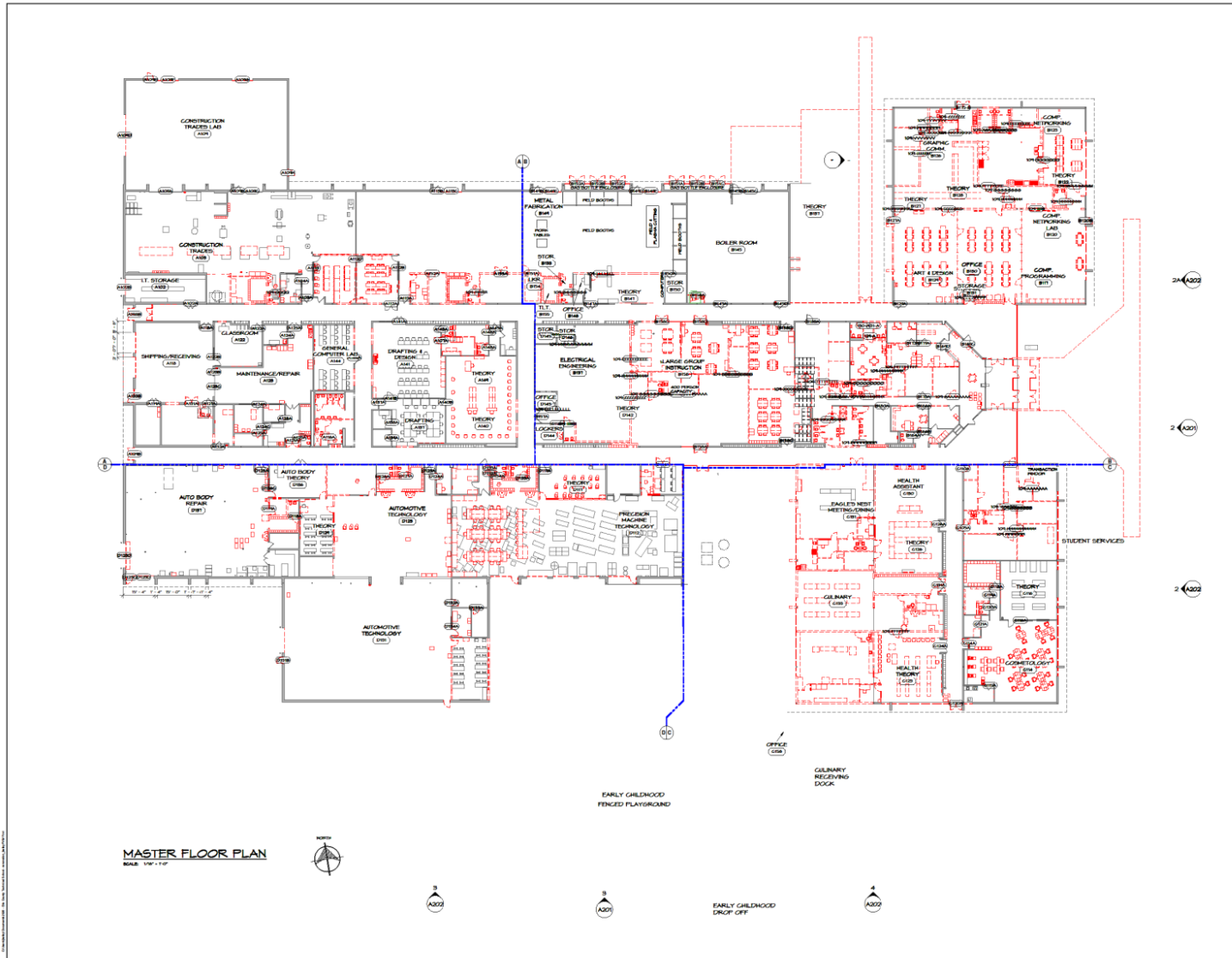
EXISTING
ERIE COUNTY TECHNICAL SCHOOL
 8500 OLIVER ROAD
 ERIE PA 16504 - 4601

SHEET NAME
 FLOOR PLAN

REVISIONS

revised 2010
A100

Existing Floor Plan



ARCHITECTS, LLC
4500 PAVE LISA DRIVE
ERIE, PENNSYLVANIA 16509
PHONE: 814-838-8888
FAX: 814-838-8888
EMAIL: PLS@PLSARCHITECTS.COM

ERIE COUNTY TECHNICAL SCHOOL
ADDITIONS AND RENOVATIONS TO THE
8500 OLIVER ROAD
ERIE, PENNSYLVANIA 16504

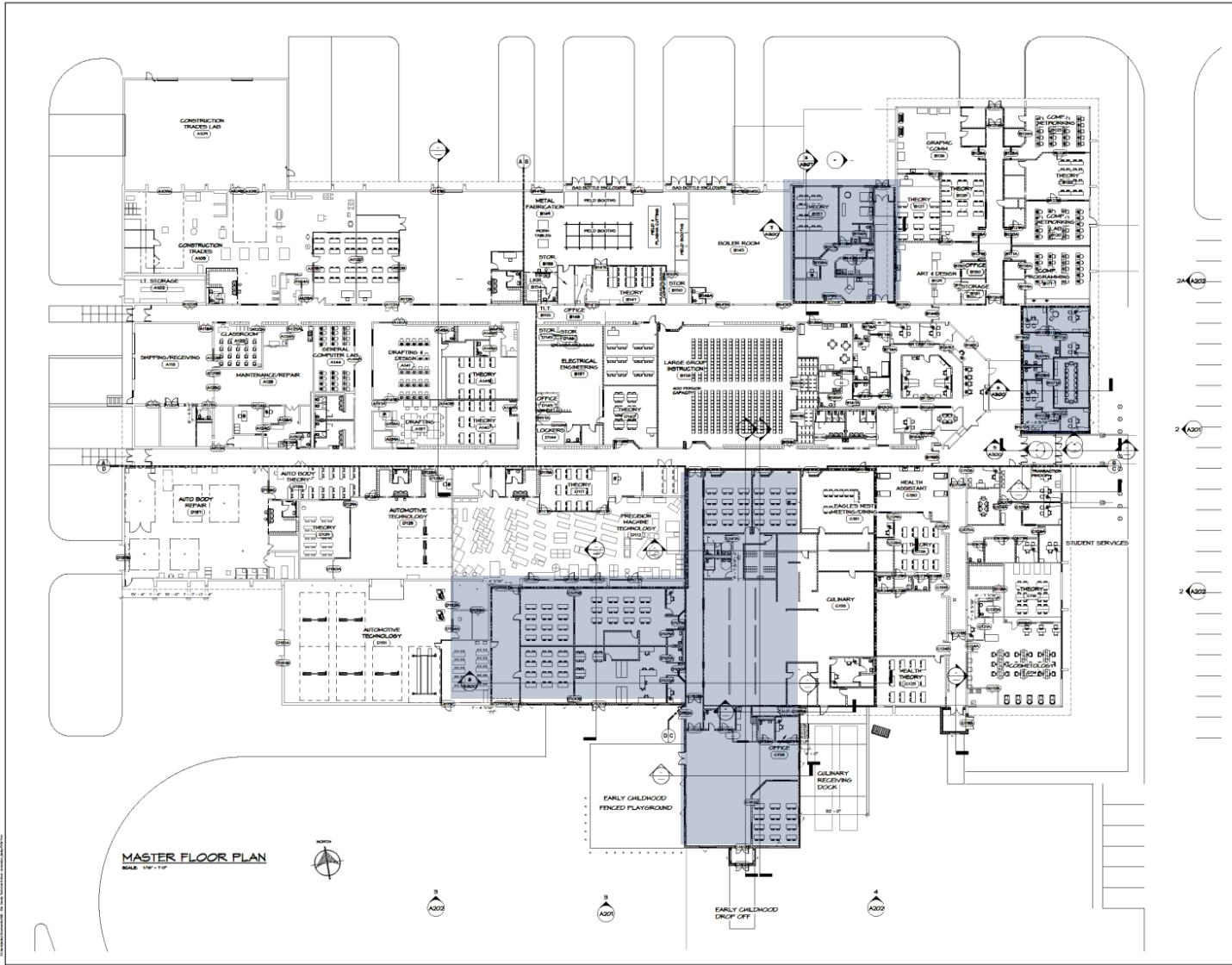
SHEET NAME
MASTER FLOOR PLAN
- FIRST LEVEL

REVISIONS

FEBRUARY, 2018

A104

Demolition Floor Plan



MASTER FLOOR PLAN
SCALE: 1/8" = 1'-0"

TC
ARCHITECTS, LLC
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Erie, Pennsylvania 16504
Phone: 814-833-2000
Fax: 814-833-4500
www.tccarchitects.com



ADDITIONS AND RENOVATIONS TO THE
ERIE COUNTY TECHNICAL SCHOOL
8500 OLIVER ROAD
ERIE, PENNSYLVANIA 16504

SHEET NAME
MASTER FLOOR PLAN
- FIRST LEVEL

REVISIONS

NO.	DATE	DESCRIPTION

PERISSAKY, SWS
A104

Proposed Additions

Erie County
Technical
School



HL
H.F. LENZ
COMPANY

TRU
ARCHITECTS, LLC

TRU
ARCHITECTS, LLC