# ADDENDUM NO. 4

May 5, 2022

# YOST ELEMENTARY SCHOOL ADDITIONS AND RENOVATIONS Chesterton, IN 46304

#### TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated March 31, 2022 by Gibraltar Design. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 4-1 and attached Addendum No. 4 from Gibraltar Design dated May 4, 2022 and consisting of 5 pages and 24 drawings.

### A. SPECIFICATION SECTION 00 20 00 - INFORMATION TO BIDDERS

1. **Add:** 

Pre-Demolition Hazardous Materials Building Survey

## B. <u>SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY</u> Under 3.02 - GENERAL REQUIREMENTS

PROVIDED BY OWNER THROUGH THE CONSTRUCTION MANAGER

1. **Add:** 

Specification Section 23 05 93 - Testing, Adjusting, Balancing

### C. BID CATEGORY NO. 5 - ROOFING/METAL COMPOSITES

1. **Add:** 

Specification Section 05 50 00 - Miscellaneous Metals



# **Pre-Demolition Hazardous Materials Building Survey**

## Site:

Yost Elementary School 100 W. Beam Street Porter, IN 46304

# Prepared For:

Mr. Greg Lindy, Director of Support Services Duneland School Corporation 601 Morgan Avenue Chesterton, IN 46304

**Project Number:** 

22.9507.1

Date of Report:

May 3, 2022

# Prepared By:

Amereco Engineering 54 Michigan Avenue, Valparaiso, IN 46383 219.531.0531

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#### 1.0 Introduction

Amereco Engineering (Amereco) was retained by The Duneland School Corporation, (Client) to conduct a Pre-Demolition Hazardous Materials Building Survey (HMBS) of the Yost Elementary School building located at 100 W. Beam Street, Porter, IN. This HMBS was performed to identify hazardous building materials that the may need to be removed prior to or during demolition of the building.

#### 1.1 Purpose

The primary purpose of the HMBS was to identify the location and presence of asbestos-containing materials (ACMs), lead-based painted (LBP) concrete building components, freon containing refrigeration equipment, mercury containing equipment and materials, potential polychlorinated biphenyls (PCBs), and any other materials that may require special handling or disposal requirements as they relate to environmental conditions and/or hazards.

#### 1.2 Scope of Work

The scope of work for this survey was designed to aid in the preparation of bid documents for the demolition of the building. Indiana Licensed Asbestos and Lead Risk Assessor Devyn Unger performed the pre-demolition HMBS of the building.

#### 1.2.1 Pre-Demolition Asbestos Survey

Prior to the start of the pre-demolition asbestos survey, Amereco personnel reviewed all previous Asbestos Hazard Emergency Response Act (AHERA) Inspection reports and documents provided by the Duneland School Corporation personnel. The AHERA 3-Year Reinspection report dated June 2020 was the primary document utilized for evaluation of existing asbestos onsite.

The pre-demolition asbestos survey was performed on April 13 and 15, 2022. The asbestos survey was performed by Devyn Unger, License # 19A009608, Exp. 09/08/2022. The pre-demolition asbestos survey included the following:

- 1. Materials identified during this survey, but not in the previous reporting, were labeled accordingly with new homogenous area identification.
- 2. A pre-demolition asbestos survey was performed to identify the extent and location of asbestos containing materials (ACM) present within the building. The survey was performed to locate and quantify all friable and non-friable ACMs.
- 3. Bulk samples were collected of suspect asbestos-containing materials that were previously assumed or not included in the 2020 AHERA 3-year inspection.
- 4. Bulk samples were collected in accordance with IDEM and EPA-recommended sampling guidelines by the Indiana licensed asbestos inspectors.
- All samples were submitted and analyzed by a National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory. Samples were analyzed using Polarized Light Microscopy (PLM) following EPA test Method EPA-600/R-93/116.

### 1.2.2 Lead-Based Paint Survey

A limited lead-based paint (LBP) survey was performed on April 15, 2022, by Devyn Unger an Indiana State Department of Health (ISDH) licensed Lead Risk Assessor, License IND001416, Exp. 05/19/2022.

This survey was limited to painted masonry building components. Generally, LBP is not of concern for demolition, outside of typical work practices to minimize dust production. However, since the masonry components may be recycled, this information assists in the evaluation of potential risk of the material once crushed.

#### 1.2.3 PCBs, Mercury, Lead and Other Hazardous Materials

The survey of the building for PCBs, potential lead/mercury-containing equipment and containers that may contain universal hazardous wastes or regulated materials/wastes was performed. The entire Yost Elementary School building was visually inspected for potential hazardous materials, which included possible PCB-containing light ballasts and transformers, fire suppression equipment, refrigerant containing equipment, and potential mercury containing thermometers, thermostats, light tubes, and switch gear. Sampling, sample collection or testing of these materials was not performed during the survey. Based on the scope of work and limitations identified during the survey, an inventory of the materials identified has been included that summarizes the findings.

#### 1.3 Limitations and Exceptions of the Survey

Trained, licensed, and experienced inspectors were utilized by Amereco to locate and identify potentially hazardous materials within the building (asbestos, PCBs, LBP, universal wastes, etc.). Due to the size of the building and the current occupied status, it is possible that not all ACMs and hazardous materials were identified. Much of the survey was performed without assistance from building maintenance personnel who are familiar with the building. Therefore, there may be additional ACMs that were not identified during the inspection, including those that were not visible or accessible at the time. Asbestos, PCBs, and mercury were commonly used in a variety of building components and during construction of buildings. In some of these materials, a hazardous material may be present as a contaminant of the building process.

The following building-specific limitations may apply to this pre-demolition survey:

- Areas enclosed by fixed walls and ceiling systems were restricted to limited visual access. Materials that may be located within fixed walls and ceiling systems include asbestoscontaining pipe insulations; asbestos-containing cementitious insulation on pipe fittings, valves and hangers; and fireproofing materials. Inspection of inner wall and ceiling cavities were performed in areas of pre-existing damage, penetrations made during renovations and/or previous destructive investigative techniques. Representative intrusive observations were made inside accessible ceiling and walls, as well as, below flooring materials such as carpeting and vinyl flooring. Due to these limitations, the quantities of hazardous materials presented in this report are estimated. All quantities identified are approximate and shall be confirmed by contractors performing the work.
- The proposed scope of work for this survey was designed specifically to provide documentation to be utilized prior to and during demolition of the building. This survey meets the state and federal requirements for a pre-demolition asbestos survey (NESHAP).
- All unidentifiable and/or inaccessible suspect materials identified by previous reports were assumed to contain asbestos.

• Due to access restrictions in some areas of the building, actual quantities may vary from those estimated within the report.

Other limitations pertaining to materials accessibility and/or characterization may also be described in the survey.

Approximate quantities of ACMs have been included within the report. All quantities and locations shall be confirmed by contractors bidding and performing the removal work.

#### 2.0 Pre-Demolition Asbestos Survey Methodology

#### 2.1 Description of Homogenous Areas

During the pre-demolition asbestos survey, Amereco identified Homogenous Areas (HA) based on the location, size, color, and composition of materials. All suspect ACMs that were identified during the survey were given new HA numbers. As defined by AHERA, a homogenous area is an area (material) that is similar throughout in terms of color, texture and date of application or installation.

Suspect ACMs are also described based on one of three following material classifications:

<u>Surfacing Materials (SURF):</u> A material that is sprayed, troweled, or otherwise applied to a surface. Surfacing materials include acoustical plaster on ceilings and walls and fireproofing materials on structural members, or other materials applied to surfaces for acoustical, fireproofing, or other purposes.

<u>Thermal System Insulation (TSI)</u>: Thermal System Insulation (TSI) is a material that is applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior structural components to prevent heat loss and/or gain, condensation or for other purposes. Common materials identified during the survey included, but are not limited to pipe insulation, air-cell pipe insulation, mag block pipe insulation and cementitious pipe fitting insulation.

Miscellaneous Materials (MISC): Miscellaneous Materials includes all other materials not considered TSI or Surfacing materials. Commonly identified Miscellaneous Materials includes building materials located on structural components, structural members, or fixtures such as floor and ceiling panels. Miscellaneous Materials identified during the survey included, but are not limited to floor tile and sheet-flooring (collectively considered resilient flooring) and associated mastics, ceiling tiles, carpet adhesives, etc.

#### 2.2 Description of Functional Spaces

Functional spaces are defined by spatially distinct units or areas within the building, which contain identifiable populations of building occupants. Commonly, functional spaces can also include storage spaces, mechanical rooms, closets, and service areas, etc. However, a functional space can also be identified based on general building layouts, facility use and can be assigned using various factors that were useful during completion of the survey.

### 2.3 Bulk Sample Material Inventory

Based on the previously identified homogenous and functional spaces, Amereco collected bulk samples of previously "assumed" ACMs and materials that had not been previously identified or sampled. Sample were collected using individually labeled Whirl-Pack® sterilized sample bags. All samples were labeled with the HA number for the sample and a letter depicting the sample. In general, the protocol used by Amereco for performing bulk samples consisted of: (a) wetting or misting the sample as appropriate, (b) extracting a sample using a clean razor knife, chisel, or coring tool, and (c) placing the sample into its properly labeled sample bag.

The sampling method used to ensure the appropriate number of samples was collected for each homogenous area was based on sampling guidelines outlined by the EPA, AHERA and/or IDEM rules and regulations.

Based on previous sampling, appearances and types of materials, suspect ACMs were grouped into homogenous areas and functional spaces as identified. Representative bulk samples were collected in accordance with all local, state, and federal rules and regulations governing pre-demolition asbestos surveys.

Please refer to the bulk sample log form and analytical reports in Appendix B of the report for all materials and locations sampled.

#### 2.4 Laboratory Procedures

All samples collected during the pre-demolition asbestos survey were submitted to STAT Analysis Corporation (STAT) for analysis. STAT is accredited by the American Industrial Hygiene Association (AIHA) and participates in the National Voluntary Laboratory Accreditation Program (NVLAP). All samples were submitted to STAT for analysis with a chain-of-custody to ensure proper handling and delivery of the samples. All samples were analysis using Polarized Light Microscopy in accordance with the USEPA guidance document *Determination of Asbestos in Bulk Building Materials*: Method EPA/600/R-93/116, dated July 1993. Under the PLM method, percentages, and types of fibrous components in the sample are determined by visual estimation of the amount of fibrous materials versus the total amount of materials present. Typically, the asbestos concentration of a sample is minimal compared to the entire sample percentage.

Current EPA guidelines specify that laboratory analyses of friable or non-friable materials regulated under NESHAP guidelines detects the presence of asbestos fibers in a quantity between less than trace (less than 1%) and less than ten percent, a verification analysis using the Point Count Method should be considered. If Point Counting of the material is not performed, the material shall be treated as asbestoscontaining as identified by PLM analysis.

Upon submission of the PLM bulk samples to the laboratory, Amereco utilized the "stop-positive" method for sample analyses. When utilizing the "stop-positive" method, analyses of a homogenous material is stopped for a group of samples upon the identification of the first positive sample. According to the EPA, if one (1) sample of a homogenous material is identified to be asbestos-containing, the entire homogenous material must be considered asbestos-containing.

### 2.5 Definition of an Asbestos-Containing Material (ACM) and Regulatory Agencies

The USEPA defines an asbestos-containing material (ACM) as a material that contains greater than one percent (1%) asbestos. Friable materials are defined as those materials that can be crushed, crumbled, or reduced to a powder by hand pressure and therefore fibers may become airborne easily.

Materials that contain one percent or less asbestos are typically considered non-asbestos-containing and therefore not regulated by the EPA National Emissions Standard for Hazardous Air Pollutants (NESHAP) and may be demolished with a building without additional precautions.

The Occupational Safety and Health Administration (OSHA) definition of an asbestos-containing material is similar in that any materials containing more than one precent asbestos are considered to be asbestos-containing. However, specific work practices must be utilized under OSHA regulations for materials containing less than one percent asbestos if an individual layer of the materials exceeds one percent.

### 3.0 Lead-Based Paint Survey Methodology

#### 3.1 Lead- Based Paint Sampling Procedures

Masonry and concrete painted building components were randomly tested for lead-based paint (LBP). The following was performed during the LBP survey of the building:

- 1. Areas tested were labeled by functional space for ease of identification.
- 2. The sides of the building were labeled A, B, C & D. By convention, Side A is the side from which the building address is taken (Beam Street), and all other sides follow in a clockwise direction.
- 3. Various masonry and concrete painted building components were then randomly tested using a Viken Detection Pb200i X-Ray Fluorescence (XRF) Instrument, Serial Number 2510.
- 4. All results were stored on the XRF instrument, downloaded, and formatted for the report.

#### 3.2 Definition of Lead-Based Paint (LBP) and Regulatory Information

The Indiana State Department of Health (ISDH) and the Environmental Protection Agency (EPA) define lead-based paint (LBP) as being ≥1.0 mg/cm².

The Occupational Health and Safety Administration (OSHA) Lead Standard for the Construction Industry, 29 CFR 1926.62 covers lead in a variety of forms, including metallic lead, all inorganic lead compounds, and organic lead soap. OSHA requires that all lead materials be handled properly to ensure the health and safety of all workers. This standard includes the demolition or salvage of structures where lead or materials containing lead are present. During demolition of the building, engineering and work practice controls will need to be implemented to reduce and maintain employee exposure to lead at or below the permissible exposure limit (PEL) of 50 µg/m³ over an 8-hr work period.

## 4.0 Inspection Findings

Amereco was contracted by the Duneland School Corporation to conduct a Pre-Demolition Hazardous Materials Building Survey for the Yost Elementary School building located at 100 W. Beam Street, Porter IN. The purpose of this survey was to identify hazardous materials that may require special handling and/or removal prior to the start of demolition activities. The following sections of this report summarize the findings of the survey.

#### 4.1 Pre-Demolition Asbestos Survey

#### **Summary of Asbestos-Containing Materials**

HA Number	Material and Description	Friability
Y01-M	12"x12" Floor Tile Mastic – Yellow and Brownish Black	NF
Y12-M	Sheet Flooring Black Mastic - Tan Pebble Pattern	NF
Y13	Carpet Glue - Olive Green, Yellow and Black	NF
Y14-M	Sheet Flooring Black Mastic – White with Blue and Tan Flecks	NF
Y15-M	Ceiling Tile Mastic – Brown	NF
Y21	9"x9" Floor Tile (Under Carpet) - Green with White Streaks	NF
Y21-M	Associated Mastic – Black	NF
Y24	Carpet Glue - Yellow, Black, and Green	NF
Y30	Carpet Glue - Gray, Brown and Black	NF
Y36	Steel Sink Insulation Coating – Black	NF
Y37	Cementitious Insulated Pipe Fittings, Valves, etc., on Fiberglass Insulated Piping	F
Y41	12"x12" Floor Tile – Geometric Pattern	NF
Y41-M	Associated Mastic - Black	NF
Y42	12"x12" Floor Tile - Tan with Brown Streaks	NF
Y42-M	Associated Mastic – Black	NF
Y44	Steel Sink Insulation Coating – Pink	NF
Y45	9"x9" Floor Tile – Red with White Streaks	NF
Y45-M	Associated Black Mastic	NF
Y47	Air Cell Pipe Insulation Debris	F
Y57	Window Caulking – Black	NF
Y61	Transite Soffit Panel	NF
	Chalkboards and Associated Mastic	NF

Notes: F = Friable NF = Non-Friable

#### 4.1.1 Materials Handling and Management

The various types of asbestos identified will require different methods of management during demolition.

Regulated Asbestos: Regulated asbestos includes friable materials or materials with a high likelihood of becoming friable during demolition. These materials must be removed prior to demolition. Pipe insulations have been identified in various locations within the building. Obvious locations are pipe chases, above ceilings and in the basement areas. However, due to the age of the building and the initial heating source being steam or hot water, asbestos insulated piping may also be located within the exterior walls where they fed radiators. Supply and return piping were either exposed within the classrooms or enclosed within the walls. In addition, plumbing wet walls are likely to contain asbestos

pipe insulations. The abatement contractor shall open walls to verify the presence of insulated pipes and abate the asbestos prior to the start of the demolition project.

<u>Category I Nonfriable Asbestos:</u> Category I Nonfriable asbestos-containing materials have been identified onsite. Examples of these materials include, but is not limited to roofing, resilient flooring, and associated mastics. These materials may remain in-place to be demolished and disposed along with the building as construction and demolition waste. However, if the concrete substrate will be recycled, these materials will need to be removed. Crushing, grinding, and pulverizing will render these materials friable, thus, creating regulated asbestos.

<u>Category II Nonfriable Asbestos:</u> Category II Nonfriable asbestos-containing materials were identified during the survey. Category II Nonfriable materials include transite and concrete-like materials which have a high likelihood of becoming friable during demolition of the building. Therefore, removal of these materials is required prior to the start of the demolition project. The identified transite panels have been used for enclosing the soffit.

All identified asbestos-containing materials must be handled following all applicable local, state, and federal rules and regulations.

#### 5.0 Lead-Based Paint

Various concrete painted building components were tested for lead-based paint during the survey. These materials were tested due to many of the concrete materials likely to be crushed for reuse on the site.

During the survey, a total of sixty-five (65) representative materials were tested throughout the building. Of the materials tested, two (2) representative materials were identified to contain LBP.

	Table 5.1 Lead-Based Painted Components	
Component	Location(s)	Substrate
Wall - C	Custodial Office	Cinder Block
Wall – D	Custodial Office	Concrete

The painted components in the identified areas contain LBP. These materials should not be recycled or reused and must be handled and disposed according to all local, state, and federal rules and regulations.

Please refer to Appendix C for the XRF results including all materials tested.

#### 6.0 Other Potentially Hazardous Materials

The survey was conducted to identify potential universal hazardous wastes and/or regulated materials/wastes. During the survey, all accessible areas of the building were inspected for potential hazardous materials, including but not limited to PCBs or oil containing light ballasts, refrigerant containing equipment, elevator hydraulics, Mercury containing fixtures, and materials. Sampling of potential hazardous materials and/or components was not performed during the survey.

During the survey, Amereco identified various types of potentially hazardous materials in the building. A quantity schedule of the identified hazardous building materials can be found in Appendix A.

#### 6.1 PCBs

PCB containing sources were identified onsite. There are fluorescent fixtures containing suspect PCB ballasts throughout the building. These ballasts shall be removed and properly disposed prior to demolition. Many of the lights have been retrofitted to LEDs. However, the contractor shall verify that the older PCB ballasts have been removed during the retrofit. The contractor shall remove all remaining PCB ballasts prior to demolition. If a ballast is not labeled "PCB Free" then it shall be considered PCB containing.

In addition, Amereco inspected the building for the presence of liquid-cooled electrical units such as transformers and large capacitors. These items are notable since they may be potential sources of PCBs. The transformer was not accessible.

#### 6.2 Mercury

Mercury containing sources were identified on-site. Fluorescent lamps, thermostats, and HVAC controls have been identified throughout the building. All Mercury containing equipment must be collected and properly handled, treated, and disposed prior to the start of demolition. Many of the light fixtures have been retrofitted to LEDs. The contractor shall determine which fixtures are older fluorescent.

#### 6.3 Chemicals

Common chemicals used for building maintenance are present throughout the building. However, since the building is currently in use and the chemicals are used daily, the building maintenance chemicals were not inventoried.

At this time, it is believed that the Duneland School Corporation will be reusing, recycling, or removing all chemicals prior to demolition. Any remaining chemicals must be inventoried and removed prior to the start of the demolition project. Chemicals shall be inventoried and safely removed, recycled, or disposed prior to the start of the demolition project.

#### 6.4 Refrigerants

Refrigerants have been identified on-site. Typically, R-12 can be found in the water cooler drinking fountains, refrigerators, and vending machines. R-22 and a variety of other refrigerants can be found in the rooftop packaged HVAC units and chillers. All refrigerants must be recovered appropriately prior to demolition of the building.

#### 6.5 Universal Wastes

Other universal wastes not specifically described above, include but are not limited to aerosol cans (paints, lubricants, etc.), latex paints, oil-based paint, varnishes, equipment maintenance (grease, grease tubes, spray lubricants, etc.), kitchen disinfectants, etc. These materials are present throughout the building and must be collected and properly disposed prior to demolition.

#### 6.6 Electrical Transformers

Transformers and associated switchgear are likely located in the locked electrical room. Per building staff, this room is only accessible by NIPSCO personnel. One (1) transformer was also identified outside the building and included a NIPSCO label. Therefore, it is our professional opinion that the transformers and associated switchgear are the property of NIPSCO.

The demolition contractor should coordinate the removal of any transformers and associated electrical equipment directly with NIPSCO. Once removed, no further action will be necessary unless a leak is apparent.

## 6.7 Underground Petroleum Storage Tanks

One (1) Underground Petroleum Storage Tank (UST) has been identified onsite. The UST was previously used to store heating oil. This UST has been assumed to be 10,000 gallons is size which is typical of the other Duneland School Corporations elementary school buildings. The UST is located partially under the mechanical equipment / air-conditioning condenser located at the southwest corner of the building. It is unknown if heating oil or sludge is present in the tank. The demolition contractor shall decommission, pump, clean and close the UST in accordance with state and federal regulations and following API-1604.

### 7.0 Report Limitations

The information and professional recommendations included in this report are for the exclusive use of the Duneland School Corporation for the demolition project. No distribution to or reliance by other parties may occur without the written permission of Amereco. In addition, Amereco will not distribute this report without the written consent of the Duneland School Corporation. The final report must be reviewed and relied upon on in conjunction with the terms and conditions expressly agreed upon by the parties and as limited therein.

Subject to the terms and conditions of the project, Amereco accepts responsibility for the competent performance of its duties in executing the survey of the building and preparing this report in accordance with the normal standards of the profession but disclaims any responsibility for consequential damages. Although Amereco believed that the results contained within this report are reliable, Amereco cannot warrant or guarantee that the information provided is exhaustive or that the information provided by the client is complete or accurate. Due to the building still being in operation, selective demolition could not be performed for interior inspection of walls or ceiling cavities. Pipe insulation and other asbestos-containing materials may be present within wall and ceiling cavities and the demolition contractor shall further investigate to confirm its presence, prior to demolition. All quantities and locations listed are approximate and shall be confirmed by bidding contractors.

## 8.0 Signatures of Environmental Professionals

The following individuals contributed to the inspection of the building and completion of this report.

West Rugg/QHMM

Senior Environmental Manager

John Blosky, CHMM Environmental Engineer



# **Appendix A**

Quantity Schedule



Consulting a Engineering a Project Management 54 Michigan Ave Valparaiso, IN 46383 (219) 531-0531

(219) 531-0531 Fax: (219) 464-9166

#### **QUANTITIES SCHEDULE**

#### **ASBESTOS-CONTAINING MATERIALS:**

Line Item	Description	Asbestos Type	Estimated Quantity
1	12"x12" Floor Tile Mastic – Yellow and Brownish Black	Cat-I	205 SF
2	9"x9" Floor Tile and Associated Black Mastic Under Carpeting	Cat-I	
3	12"x12" Floor Tile and Associated Black Mastic – Geometric Pattern Tile	Cat-I	
4	12"x12" Floor Tile and Associated Black Mastic – Tan with Brown Streak Tile	Cat-I	3,450 SF
5	9"x9" Floor Tile and Associated Black Mastic – Red with White Streaks	Cat-I	
6	Carpet Glue - Olive Green, Yellow and Black	Cat-I	
7	Carpet Glue – Yellow, Black, and Green	Cat-I	8,700 SF
8	Carpet Glue - Gray, Brown, and Black	Cat-I	
9	Sheet Flooring Mastic – Black	Cat-I	495 SF
10	Floor Tile Under Sheet Flooring Green	Cat-I	95 SF
11	12"x12" Ceiling Tile Mastic – Symmetrical Hole Tile - Brown	Cat-I	Unknown
12	Steel Sink Insulation Coating – Black or Pink	Cat-II	8 Each
13	Cementitious Pipe Fitting on Fiberglass Insulated Piping – White	F	Unknown
14	Air Cell Pipe Insulation Debris	F	6 SF
15	Window Caulking – Black	Cat-II	96 SF
16	Transite Soffit Panel	Cat-II	1,155 SF
17	Chalkboards and Associated Mastic	Cat-II and Cat-I	Unknown

#### Notes:

- 1. Asbestos Types
  - a. F = Friable (Regulated Asbestos-Containing Material)
  - b. Cat-I = Category I Nonfriable
  - c. Cat-II = Category II Nonfriable
- 2. SF Square Feet
- 3. LF Linear Feet
- 4. Quantities are approximate and must be verified by the asbestos contractor.
- 5. All black mastic located within the building has been determined to contain asbestos.
- Additional piping is likely located within wall and ceiling cavities, pipe chases and attic areas.

### **QUANTITIES SCHEDULE**

#### **UNIVERSAL WASTES AND OTHER CONCERNS:**

Line Item	Description	Concern	Estimated Quantity
18	Lamb Ballasts	Р	835 Each
19	Fluorescent Lamps	М	925 Each
20	LED Light Fixtures/Bulbs	υ	420 Each
21	HVAC Controls – Thermostats, Etc.	М	60 Each
22	Freon Containing Equipment	R	TBD
23	General Cleaning and Maintenance Chemicals	U	TBD
24	General Paints, Varnishes and Stains	U	TBD
25	Transformers and Electrical Switchgear	Р	TBD
26	Fire Extinguishers	U	14 Each
27	Underground Storage Tank – 10,000 Gallon Heating Oil	HS/UST	1 Tank

#### Notes:

- P = PCBs
   M = Mercury
   R = Refrigerant
   U = Miscellaneous Universal Waste
   HS/UST = Hazardous/Special Waste
- 6. TBD = To Be Determined

# **Appendix B**

Asbestos Sample Log Forms and Analytical Reports

Consulting Engineering Project Management
54 Michigan Avenue
Valparaiso, IN 46383
(219) 531-0531

Fax: (219) 464-9166

## SAMPLE LOG FORM AND ANALYTICAL REPORT

Client:

Mr. Greg Lindy

**Duneland School Corporation** 

601 Morgan Avenue Chesterton, IN 46304

Project:

Yost Elementary School 100 W. Beam Street

Porter, IN 46304

Project No.

22.9507.1

Dates Sampled:

April 13 & 15, 2022

Analysis:

Asbestos - Bulk

Method:

Polarized Light Microscopy (PLM) (EPA 600/R-93/116)

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
Y01-A	MISC	12"x12" Floor Tile Light Blue with Gray Streaks Main Office – Reception Area	ND	Binder 99-100%
Y01-A-M	MISC	12"x12" Floor Tile Mastic Yellow and Brownish Black Associated with Sample Y01-A	Chrysotile 1-5%	Binder 95-99%
Y02-A	SURF	Sink Insulation Coating Gray Main Office	ND	Binder 99-100%
Y02-B	SURF	Sink Insulation Coating Gray Room 117	ND	Binder 99-100%
Y02-C	SURF	Sink Insulation Coating Gray Room 124	ND	Binder 99-100%
Y03-A	SURF	Sink Insulation Coating White Main Office – Nurses Office	ND	Binder 99-100%
Y03-B	SURF	Sink Insulation Coating White Main Office – Conference Room	ND	Binder 99-100%
Y03-C	SURF	Sink Insulation Coating White Room 124	ND	Binder 99-100%
Y04-A	MISC	Carpet Glue Yellow and Green Main Office	ND	Binder 99-100%

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
Y04-B	MISC	Carpet Glue Yellow and Green Room 202	ND	Binder 99-100%
Y04-C	MISC	Carpet Glue Yellow and Green Room 118	ND	Binder 99-100%
Y05-A	MISC	24"x48" Ceiling Tile Horizontal Fissures with Pinholes Main Office - Hallway	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
Y05-B	MISC	24"x48" Ceiling Tile Horizontal Fissures with Pinholes Room 117	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
Y06-A	MISC	Sheet Flooring White Pebble Pattern Nurses Office	ND	Binder 99-100%
Y07-A	MISC	6" Vinyl Base Cove Molding White Main Office – Conference Room	ND	Binder 99-100%
Y07-A-M	MISC	Vinyl Base Cove Adhesive Tan Associated w/ Sample Y07-A	ND	Binder 99-100%
Y08-A	MISC	24"x48" Ceiling Tile Random Small and Large Pinholes Nurses Office – Restroom	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
Y09-A	MISC	24"x48" Ceiling Tile Random Flecks and Pinholes Main Office	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
Y09-B	MISC	24"x48" Ceiling Tile Random Flecks and Pinholes Room 204	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
Y09-C	MISC	24"x48" Ceiling Tile Random Flecks and Pinholes Room 106	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
Y10-A	MISC	24"x48" Ceiling Tile Random Fleck w/ Pinholes (24"X24" Pattern) Main Office	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
Y11-A	MISC	Drywall Wall Main Office – Electrical Closet	ND	Cellulose 5-10% Binder 90-95%
Y11-B	MISC	Drywall Ceiling Hallway Outside Room 201	ND	Cellulose 5-10% Binder 90-95%
Y11-C	MISC	Drywall Wall Room 124	ND	Cellulose 5-10% Binder 90-95%
Y11-D	MISC	Drywall Wall Room 100	ND	Cellulose 5-10% Binder 90-95%
Y11-E	MISC	Drywall Ceiling Room 108 – Storage Room	ND	Cellulose 5-10% Binder 90-95%
Y12-A	MISC	Sheet Flooring Tan Pebble Pattern Hallway Outside Main Office	ND	Binder 99-100%

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS	
Y12-B	MISC	Sheet Flooring Tan Pebble Pattern Entryway – Door 11	ND	Binder 99-100%	
Y12-A-M	MISC	Sheet Flooring Mastic Black Associated with Sample Y12-A	Chrysotile 1-5%	Binder 95-99%	
Y12-B-M	MISC	Sheet Flooring Mastic Black Associated with Sample Y12-B	Not Analyzed – Stop Positive		
Y13-A	MISC	Carpet Glue Olive Green, Yellow and Black Hallway Outside of Main Office	Chrysotile 1-5%	Binder 95-99%	
Y13-B	MISC	Carpet Glue Olive Green, Yellow and Black Room 206	Not Analyzed	- Stop Positive	
Y14-A	MISC	Sheet Flooring White with Blue and Tan Flecks Men's Restroom by Door 11	ND	Binder 99-100%	
Y14-B	MISC	Sheet Flooring White with Blue and Tan Flecks Women's Restroom by Door 11	ND	Binder 99-100%	
Y14-A-M	MISC	Sheet Flooring Mastic Black Associated with Sample Y14-A	Chrysotile 1-5%	Binder 95-99%	
Y14-B-M	MISC	Sheet Flooring Mastic Black Associated with Sample Y14-B	Not Analyzed – Stop Positive		
Y14-B-FT	MISC	Floor Tile Under Sheet Flooring Green Associated with Sample Y14-B	Chrysotile 5-10%	Binder 90-95%	
Y15-A	MISC	12"x12" Ceiling Tile Symmetrical Holes Hallway by Room 201	ND	Cellulose 95-99% Binder 1-5%	
Y15-B	MISC	12"x12" Ceiling Tile Symmetrical Holes Room 204	ND	Cellulose 95-99% Binder 1-5%	
Y15-A-M	MISC	Ceiling Tile Mastic Brown Associated with Sample Y15-A	Chrysotile 1-5%	Binder 95-99%	
Y15-B-M	MISC	Ceiling Tile Mastic Brown Associated with Sample Y15-B	Not Analyzed	Not Analyzed – Stop Positive	
Y16-A	MISC	24"x48" Ceiling Tile Random Small Flecks and Pinholes Hallway Outside Room 201	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%	
Y16-B	MISC	24"x48" Ceiling Tile Random Small Flecks and Pinholes Kitchen – Dry Storage	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%	
Y16-C	MISC	24"x48" Ceiling Tile Random Small Flecks and Pinholes Hallway Outside Room 106	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%	
Y17-A-Finish	SURF	Plaster – Finish Coat White Hallway Outside Room 201	ND	Binder 99-100%	

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
Y17-B-Finish	SURF	Plaster – Finish Coat White Kitchen (Ceiling)	ND	Binder 99-100%
Y17-C-Finish	SURF	Plaster – Finish Coat White Room 118 – Time Out Room (Ceiling)	ND	Binder 99-100%
Y17-D-Finish	SURF	Plaster – Finish Coat White Hallway Outside Room 106	ND	Binder 99-100%
Y17-E-Finish	SURF	Plaster – Finish Coat White Boy's Restroom by Room 110 (Storage Rm)	ND	Binder 99-100%
Y17-A-Rough	SURF	Plaster – Rough Coat Gray Associated with Sample Y17-A-Finish	ND	Binder 90-95% Other 5-10%
Y17-B-Rough	SURF	Plaster – Rough Coat Gray Associated with Sample Y17-B-Finish	ND	Binder 90-95% Other 5-10%
Y17-C-Rough	SURF	Plaster – Rough Coat Gray Associated with Sample Y17-C-Finish	ND	Binder 90-95% Other 5-10%
Y17-D-Rough	SURF	Plaster – Rough Coat Gray Associated with Sample Y17-D-Finish	ND	Binder 90-95% Other 5-10%
Y17-E-Rough	SURF	Plaster – Rough Coat Gray Associated with Sample Y17-E-Finish	ND	Binder 90-95% Other 5-10%
Y18-A	MISC	Vinyl Plank Flooring Gray Wood Pattern Speech Room	ND	Binder 99-100%
Y18-A-M	TSI	Vinyl Plank Flooring Mastic Green Associated with Sample Y18-A	ND	Binder 99-100%
Y19-A	MISC	6" Vinyl Base Cove Molding Burgundy Speech Room	ND	Binder 99-100%
Y19-A-M	міѕс	6" Vinyl Base Cove Mastic Gray Associated with Sample Y19-A	ND	Binder 99-100%
Y20-A	міѕс	6" Vinyl Base Cove Molding Brown 2nd Floor Server Room	ND	Binder 99-100%
Y20-A-M	MISC	6" Vinyl Base Cove Mastic Brown Associated with Sample Y20-A	ND	Binder 99-100%
Y21-A	MISC	9"x9" Floor Tile – Under Carpet Green with White Streaks 2nd Floor Server Room	Chrysotile 5-10%	Binder 90-95%
Y21-B	MISC	9"x9" Floor Tile – Under Carpet Green with White Streaks Room 201	Not Analyzed	- Stop Positive
Y21-A-M	MISC	9"x9" Floor Tile Mastic Black Associated with Sample Y21-A	Chrysotile 1-5%	Binder 95-99%

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
Y21-B-M	MISC	9"x9" Floor Tile Mastic Black Associated with Sample Y21-B	Not Analyzed	- Stop Positive
Y22-A	MISC	Sheet Flooring Under Carpet Green Treatment Room by Room 201	ND	Binder 99-100%
Y22-A-M Black	MISC	Sheet Flooring Mastic Black Associated with Sample Y22-A	ND	Binder 99-100%
Y22-A-M Green	міѕс	Sheet Flooring Mastic Green Associated with Sample Y22-A	ND	Binder 99-100%
Y23-A	міѕс	6" Vinyl Base Cove Molding Gray 2 <sup>nd</sup> Floor Server Room	ND	Binder 99-100%
Y23-A-M	MISC	6" Vinyl Base Cove Molding Mastic Gray Associated with Sample Y23-A	ND	Binder 99-100%
Y24-A	міѕс	Carpet Glue Yellow, Black and Green Room 203	Chrysotile 1-5%	Binder 95-99%
Y24-B	міѕс	Carpet Glue Yellow, Black and Green Room 208	Not Analyzed – Stop Positive	
Y24-C	MISC	Carpet Glue Yellow, Black and Green Room 106	Not Analyzed – Stop Positive	
Y25-A	MISC	12"x12" Floor Tile White with Tan Flecks Entryway by Door 3	ND	Binder 99-100%
Y25-A-M	MISC	12"x12" Floor Tile Mastic Brown Associated with Sample Y25-A	ND	Binder 99-100%
Y26-A	MISC	12"x12" Floor Tile Tan with Brown and White Streaks Stairway by Door 3	ND	Binder 99-100%
Y26-A	MISC	12"x12" Floor Tile Mastic Brown Associated with Sample Y26-A	ND	Binder 99-100%
Y27-A	MISC	24"x48" Ceiling Tile Smooth Kitchen	ND	Cellulose 5-10% Binder 90-95%
Y28-A	MISC	12"x12" Floor Tile White with Gray Flecks Room 117	ND	Binder 99-100%
Y28-B	MISC	12"x12" Floor Tile White with Gray Flecks Room 103	ND	Binder 99-100%
Y28-A-M	MISC	12"x12" Floor Tile Mastic Black Associated with Sample Y28-A	ND	Binder 99-100%
Y28-B-M	MISC	12"x12" Floor Tile Mastic Black Associated with Sample Y28-B	ND	Binder 99-100%

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
Y29-A	MISC	24"x48" Ceiling Tile Random Pockmarks and Pinholes Room 117	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
Y30-A	MISC	Carpet Glue Gray, Brown and Black Room 119	Chrysotile 1-5%	Binder 95-99%
Y31-A	MISC	12"x12" Terrazzo Floor Tile White and Brown Hallway by Door 6	ND	Binder 99-100%
Y31-A-M	MISC	12"x12" Floor Tile Mastic Yellow Associated with Sample Y31-A	ND	Binder 99-100%
Y32-A	SURF	Plaster – Finish Coat White Hallway Outside of Room 119	ND	Binder 99-100%
Y33-A	MISC	12"x12" Floor Tile Blue with Gray and White Flecks Room 123 – Storage Room	ND	Binder 99-100%
Y33-B	MISC	12"x12" Floor Tile Blue with Gray and White Flecks Room 124 – Storage Room	ND	Binder 99-100%
Y33-A-M	MISC	12"x12" Floor Tile Mastic Black Associated with Sample Y33-A	ND	Binder 99-100%
Y33-B-M	MISC	12"x12" Floor Tile Mastic Black Associated with Sample Y33-B	ND	Binder 99-100%
Y34-A	MISC	Fire Brick in Kiln White Room 124 – Storge Room	ND	Binder 90-95% Other 5-10%
Y35-A	MISC	Rubber Plank Flooring Adhesive Gray and White Main Gymnasium	ND	Binder 99-100%
Y36-A	MISC	Steel Sink Insulation Coating Black Room 107	Chrysotile 1-5%	Binder 95-99%
Y36-B	MISC	Steel Sink Insulation Coating Black Room 106	Not Analyzed -	- Stop Positive
Y37-A	TSI	Cementitious Pipe Fitting Insulation on Fiberglass Insulated Piping White Room 106	ND	Binder 99-100%
Y37-B	TSI	Cementitious Pipe Fitting Insulation on Fiberglass Insulated Piping White Lower Level by Maintenance Office	Chrysotile 5-10%	Binder 90-95%
Y38-A	MISC	24"x24" Ceiling Tile Random Small Flecks with Pinholes Room 111	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
Y39-A	MISC	12"x12" Metal Pan Ceiling Tile Small Symmetrical Holes Girl's Restroom by Room 110	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
Y40-A	MISC	Vinyl Stair Tread Tan with Raised Dots Stairway by Room 111	ND	Binder 99-100%

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS	
Y40-A-M	MISC	Vinyl Stair Tread Mastic White Associated with Sample Y40-A	ND	Binder 99-100%	
Y41-A	MISC	12"x12" Floor Tile Geometric Pattern Tunnel – East End	loor Tile Chrysotile 1-5%		
Y41-A-M	MISC	12"x12" Floor Tile Mastic Black Associated with Sample Y41-A	Chrysotile 1-5%	Binder 95-99%	
Y42-A	MISC	12"x12" Floor Tile Tan with Brown Streaks Lower Level – East End	Chrysotile 1-5%	Binder 95-99%	
Y42-A-M	MISC	12"x12" Floor Tile Mastic Black Associated with Sample Y42-A	Chrysotile 1-5%	Binder 95-99%	
Y43-A	MISC	24"x24" Ceiling Tile Textured with Pinholes Lower Level – East End (Stockpile from Gym)	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%	
Y44-A	SURF	Steel Sink Insulation Coating Pink Maintenance Office Restroom	Chrysotile 1-5%	Binder 95-99%	
Y44-B	SURF	Steel Sink Insulation Coating Pink Media Center Break Room	Not Analyzed – Stop Positive		
Y45-A	MISC	9"x9" Floor Tile Red with White Streaks Maintenance Office	Chrysotile 5-10%	Binder 90-95%	
Y45-A-M	MISC	9"x9" Floor Tile Mastic Black Associated with Sample Y45-A	ND	Binder 99-100%	
Y46-A	MISC	24"x24" Ceiling Tile Random Small and Large Pinholes Lower Level Maintenance Office	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%	
Y47-A	TSI	Air Cell Pipe Insulation Debris Lower Level	Chrysotile 10-15%	Binder 85-90%	
Y48-A	MISC	Vinyl Stair Tread Tan with White Steaks and Raised Diamonds Stairway by Room 116	ND	Binder 99-100%	
Y48-A-M	MISC	Vinyl Stair Tread Mastic Brown Associated with Sample Y48-A	ND	Binder 99-100%	
Y49-A	MISC	Cementitious Shelving Cover Black Lower Level – Book Storage	ND	Binder 99-100%	
Y49-A-M	MISC	Cementitious Shelving Cover Mastic Yellow Associated with Sample Y49-A	ND Binder 99-1		
Y50-A	TSI	Boiler Door Breeching White Boiler Room	ND Glass 99-1		
Y51-A	MISC	Carpet Glue Tan Media Center Classroom	ND	Binder 99-100%	

SAMPLE ID	MATRIX	DESCRIPTION AND LOCATION	ASBESTOS	NON-ASBESTOS
Y51-B	MISC	Carpet Glue Tan Media Center	ND	Binder 99-100%
Y52-A	MISC	QAQC Duplicate of Sample Y05-A	ND	Cellulose 30-35% Binder 30-35% Glass 30-35%
Y53-A	міѕс	QAQC Duplicate of Sample Y12-A	ND	Binder 99-100%
Y53-A-M	MISC	QAQC Duplicate of Sample Y12-A-M	Chrysotile 1-5%	Binder 95-99%
Y54-A	MISC	QAQC Duplicate of Sample Y11-A	ND	Cellulose 5-10% Binder 90-95%
Y55-A	MISC	QAQC Duplicate of Sample Y21-A	Chrysotile 5-10%	Binder 90-95%
Y55-A-M	MISC	QAQC Duplicate of Sample Y21-A-M	QAQC Duplicate of Sample Y21-A-M Chrysotile 1-5%	
Y56-A	TSI	QAQC Duplicate of Sample Y47-A Chrysotile 10-15%		Binder 85-90%
Y57-A	MISC	Window Caulking Black Chrysotile 1-5% Exterior – Outside Room 201		Binder 95-99%
Y58-A	міѕс	Dryvit Siding Exterior – Outside Door 7		Binder 90-95% Other 5-10%
Y59-A	MISC	Door Caulking Black and Gray  Exterior – Gym Garage Door		Binder 99-100%
Y60-A	MISC	Expansion Joint Caulking White Exterior – Gymnasium	ND	Binder 99-100%
Y61-A	MISC	Transite Soffit Panel Exterior – Outside Door 5	Chrysotile 20-25%	Binder 75-80%
Y62-A	SURF	Texture Coating on Soffit Exterior – Outside Door 1	ND	Binder 99-100%
Y63-A	MISC	Asphalt Roofing Shingle Black ND Exterior by Door 1		Cellulose 5-10% Binder 80-85% Glass 5-10%
YR01-A	BUR	Built-up Roofing Materials		Binder 99-100%
YR02-A	BUR	Built-up Roofing Materials		Binder 99-100%
YR03-A	BUR	Built-up Roofing Materials		Cellulose 80-85% Binder 15-20%

ND = None Detected = Asbestos not detected above the detection limit of PLM Methodology.

Analyzed by: SAC

Ref Number: <u>357976, 358014 & 358015</u>

Inspector:

Devyn Unger License No. 19A009608 Expiration Date: 09/08/2022

BUR = Built-up Roofing TSI = Thermal System Insulation

SURF = Surfacing Material MISC = Miscellaneous Material Other = Binder Constituents

# **Appendix C**

Lead-Based Paint XRF Results

# XRF Results Yost Elementary Schoool 100 W. Beam Street Porter, IN 46304

Reading #	mg/cm2	Result	Date	Time	Room	Component	Side	Substrate	Condition	Color	Note 1
5312	1	Positive	4/15/2022	10:14:29		Calibration					1.0 Front
5313	1.1	Positive	4/15/2022	10:14:41		Calibration					1.0 Front
5314	1	Positive	4/15/2022	10:14:52		Calibration					1.0 Front
5315	0.1	Negative	4/15/2022	10:15:43	1st Floor Hall	Wall	Α	Plaster	Intact	White	
5316	0.2	Negative	4/15/2022	10:17:06	1st Floor Hall	Wall	С	Plaster	Intact	White	
5317	0	Negative	4/15/2022	10:17:27	1st Floor Hall	Wall	D	Plaster	Intact	White	
5318	0	Negative	4/15/2022	10:20:35	Main Entryway	Ceiling	Ceiling	Plaster	Intact	White	
5319	0	Negative	4/15/2022	10:22:52	Media Center Hall	Wall	В	Cinder Block	Intact	White	
5320	0	Negative	4/15/2022	10:25:58	Media Center	Wall	Α	Plaster	Intact	White	
5321	0	Negative	4/15/2022	10:26:08	Media Center	Wall	Α	Plaster	Intact	White	
5322	0.8	Negative	4/15/2022	10:26:25	Media Center	Wall	Α	Plaster	Intact	White	
5323	0.7	Negative	4/15/2022	10:26:41	Media Center	Wall	Α	Plaster	Intact	White	
5324	0.5	Negative	4/15/2022	10:26:53	Media Center	Wall	Α	Plaster	Intact	White	
5325	0	Negative	4/15/2022	10:27:17	Media Center	Wall	D	Plaster	Intact	White	
5326	0.3	Negative	4/15/2022	10:29:07	Basement Hallway	Wall	Α	Cinder Block	Intact	White	
5327	0	Negative	4/15/2022	10:29:18	Basement Hallway	Wall	С	Cinder Block	Intact	White	
5328	0.1	Negative	4/15/2022	10:29:33	Basement Hallway	Wall	С	Plaster	Intact	White	
5329	0		4/15/2022		Room 113	Wall	С	Cinder Block	Intact	White	
5330	0.2	Negative	4/15/2022	10:30:23	Room 113	Wall	В	Cinder Block	Intact	White	
5331	0		4/15/2022		Custodian Office	Wall	С	Plaster	Intact	White	
5332	1.2	Positive	4/15/2022	10:32:35	Custodian Office	Wali	D	Concrete	Intact	White	
5333	0	Negative	4/15/2022	10:33:00	Custodian Office	Ceiling	Ceiling	Concrete	Intact	White	
5334	0.8	Negative	4/15/2022	10:33:25	Custodian Office	Wall	В	Cinder Block	Intact	White	
5335	1.2	Positive	4/15/2022	10:33:45	Custodian Office	Wall	С	Cinder Block	Intact	White	
5336	0	Negative	4/15/2022	10:38:50	Girls Bathroom	Wall	С	Cinder Block	Intact	White	
5337	0	Negative	4/15/2022	10:39:00	Girls Bathroom	Wall	Α	Cinder Block	Intact	White	
5338	0	Negative	4/15/2022	10:39:19	Girls Bathroom	Ceiling	Ceiling	Concrete	Intact	White	
5339	0	Negative	4/15/2022	10:39:40	Girls Bathroom	Wall	Α	Plaster	Intact	White	
5340	0	Negative	4/15/2022	10:40:10	Boys Bathroom	Wall	Α	Cinder Block	Intact	White	
5341	0	Negative	4/15/2022	10:40:23	Boys Bathroom	Wall	В	Cinder Block	Intact	White	

Make: Vlken Detection

Model: Pb 200i Source: <sup>57</sup>Co

Serial Number: 2510

Amereco Engineering 54 Michigan Avenue Valparaiso, IN 46383

# XRF Results Yost Elementary Schoool 100 W. Beam Street Porter, IN 46304

Reading #	mg/cm2	Result	Date	Time	Room	Component	Side	Substrate	Condition	Color	Note 1
5342	0	Negative	4/15/2022	10:40:37	Boys Bathroom	Ceiling	Ceiling	Plaster	Intact	White	
5343	0.2	Negative	4/15/2022	10:41:16	Room 116	Wall	С	Cinder Block	Intact	White	
5344	0	Negative	4/15/2022	10:41:30	Room 116	Wall	В	Cinder Block	Intact	White	
5345	0.2	Negative	4/15/2022	10:42:26	Cafetorium Hallway	Wall	Α	Plaster	Intact	White	
5346	0.2	Negative	4/15/2022	10:42:38	Cafetorium Hallway	Wall	С	Plaster	Intact	White	
5347	0.1	Negative	4/15/2022	10:43:21	Cafetorium	Wall	Α	Plaster	Intact	White	
5348	0	Negative	4/15/2022	10:43:31	Cafetorium	Wall	В	Plaster	Intact	White	
5349	0.1	Negative	4/15/2022	10:43:53	Cafetorium	Wall	С	Plaster	Intact	White	
5350	0	Negative	4/15/2022	10:44:29	Kitchen	Wall	С	Cinder Block	Intact	White	
5351	0.1	Negative	4/15/2022	10:44:42	Kitchen	Wall	Α	Cinder Block	Intact	White	
5352	0.1	Negative	4/15/2022	10:45:51	Restroom By Cafetorium	Wall	Α	Cinder Block	Intact	White	
5353	0	Negative	4/15/2022	10:46:03	Restroom By Cafetorium	Wall	С	Cinder Block	Intact	White	
5354	0	Negative	4/15/2022	10:46:19	Restroom By Cafetorium	Ceiling	Ceiling	Plaster	Intact	White	
5355	0	Negative	4/15/2022	10:47:27	Hall by Room 118	Ceiling	В	Plaster	Intact	White	
5356	0	Negative	4/15/2022	10:47:49	Hall by Room 119	Ceiling	D	Plaster	Intact	White	
5357	0	Negative	4/15/2022	10:48:16	Room 120	Ceiling	С	Cinder Block	Intact	White	
5358	0	Negative	4/15/2022	10:49:55	Gymnasium	Wall	В	Cinder Block	Intact	White	
5359	0	Negative	4/15/2022	10:50:09	Gymnasium	Wall	Α	Cinder Block	Intact	White	
5360	0	Negative	4/15/2022	10:50:32	Gymnasium	Wall	С	Cinder Block	Intact	White	
5361	0.1	Negative	4/15/2022	10:51:35	Restroom by Gym	Wall	С	Cinder Block	Intact	White	
5362	0	Negative	4/15/2022	10:51:45	Restroom by Gym	Wall	Α	Cinder Block	Intact	White	
5363	0	Negative	4/15/2022	10:52:23	Room 124	Wall	D	Cinder Block	Intact	Lt. Blue	
5364	0.2	Negative	4/15/2022	10:52:39	Room 124	Wall	В	Cinder Block	Intact	Lt. Blue	
5365	0.1	Negative	4/15/2022	10:53:35	Room 100	Wall	Α	Cinder Block	Intact	White	
5366	0	Negative	4/15/2022	10:53:46	Room 100	Wall	D	Cinder Block	Intact	White	
5367	0	Negative	4/15/2022	10:54:01	Room 100 Bath	Wall	Α	Cinder Block	Intact	White	
5368	0.1	Negative	4/15/2022	10:54:56	Room 105	Wall	Α	Plaster	Intact	White	
5369	0	Negative	4/15/2022	10:55:11	Room 105	Wall	С	Plaster	Intact	White	
5370	0.3	Negative	4/15/2022	10:55:25	Room 105	Wall	В	Cinder Block	Intact	White	
5371	0	Negative	4/15/2022	10:57:57	Room 202	Wall	С	Plaster	Intact	White	

Make: Vlken Detection Model: Pb 200i

Source: <sup>57</sup>Co

Serial Number: 2510

Amereco Engineering 54 Michigan Avenue Valparaiso, IN 46383

# XRF Results Yost Elementary Schoool 100 W. Beam Street Porter, IN 46304

Reading #	mg/cm2	Result	Date	Time	Room	Component	Side	Substrate	Condition	Color	Note 1
5372	0	Negative	4/15/2022	10:58:10	Room 202	Wall	В	Plaster	Intact	White	
5373	0.1	Negative	4/15/2022	10:58:54	Room 205	Wall	Α	Plaster	Intact	White	
5374	1	Positive	4/15/2022	12:25:43		Calibration					1.0 Front
5375	1	Positive	4/15/2022	12:25:57		Calibration					1.0 Front
5376	1	Positive	4/15/2022	12:26:09		Calibration					1.0 Front

Make: VIken Detection

Model: Pb 200i Source: <sup>57</sup>Co

Serial Number: 2510

Amereco Engineering 54 Michigan Avenue Valparaiso, IN 46383

# **Appendix D**

Roof Matrix Report

Consulting 

Engineering 

Project Management 54 Michigan Avenue Valparaiso, IN 46383

(219) 531-0531 Fax: (219) 464-9166

## **ROOF MATRIX REPORT**

**Client:** Mr. Greg Lindy

**Duneland School Corporation** 

601 Morgan Avenue

Chesterton, IN 46304

**Date Sampled:** 

April 15, 2022

**Project:** Yost Elementary School

100 W. Beam Street

Porter, IN 46304

Project No. 22.9507.1

Core ID	Depth	Description	Analytical ID / Asbestos Content
Core # 1	Top – 1/8" 1/8" – 6 1/8" 6 1/8" – 9 1/8" 9 1/8" – 9 5/8" Bottom	EPDM Yellow Foam Board Lightweight Concrete Cellulose Insulation Board Roof Deck – Concrete	No Suspect Materials Identified
Core #2	Top – 1/16" 1/16" – 1/4" 1/4" – 3/4" 3/4" – 1" 1" – 7" Bottom	EPDM BUR Gypsum Board BUR White Foam Insulation Roof Deck – Wood	YR01-A - ND YR02-A - ND
Core #3	Top 1/16" 1/16" 5/16" 5/16" 2 5/16" 2 5/16" 2 9/16"" 2 9/16" 3 1/16" Bottom	EPDM Wood Insulation Board Yellow Foam Board Tan Cellulose Insulation BUR Roof Deck – Wood	YR03-A - ND

BUR = **Built-up Roofing** 

EPDM = Rubber Roofing Membrane

(Ethylene Propylene Diene Monomer)

ND = None Detected

NA = Not Analyzed / Not a Suspect Asbestos Containing Material

Analyzed by: SAC

Ref Number: <u>358015</u>

Sampled by:

Devyn Unger License No. 19A009608 Exp. Date 09/08/2022

# **Appendix E**

Site Drawings

# YOST ELEMENTARY SCHOOL HAZARDOUS MATERIALS BUILDING SURVEY - PRE-DEMOLITION





DUNELAND SCHOOL CORPORATION 601 WEST MORGAN AVENUE CHESTERTON, IN 46304

## **Drawing Index**

FIGURE G0.0 COVER SHEET

FIGURE H1.1 LOWER LEVEL - HAZARDOUS MATERIALS FIGURE H1.2 UPPER LEVEL - HAZARDOUS MATERIALS FIGURE H2.1 LOWER LEVEL - SAMPLE LOCATIONS

FIGURE H2.2 UPPER LEVEL - SAMPLE LOCATIONS FIGURE H2.3 ROOF - SAMPLE LOCATIONS







AMERECO, INC

CONSULTING ENGINEERS-PROJECT MANA

54 MICHIGAN AVENUE

VALPARAISO, IN 46383 219-531-0531

ING SURVEY

APPRIVE J. BLOSKY

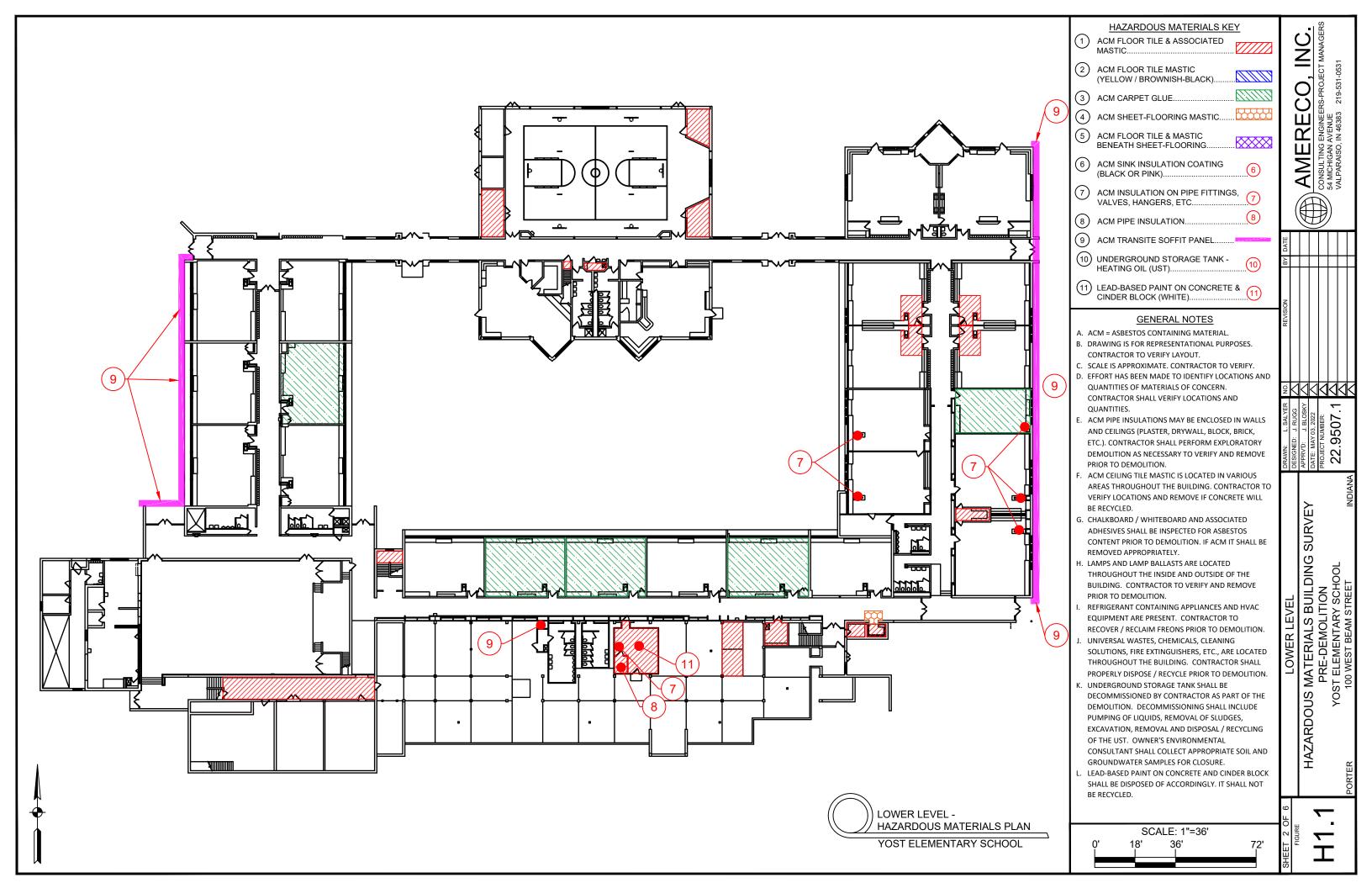
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PROJECT NUMBER:

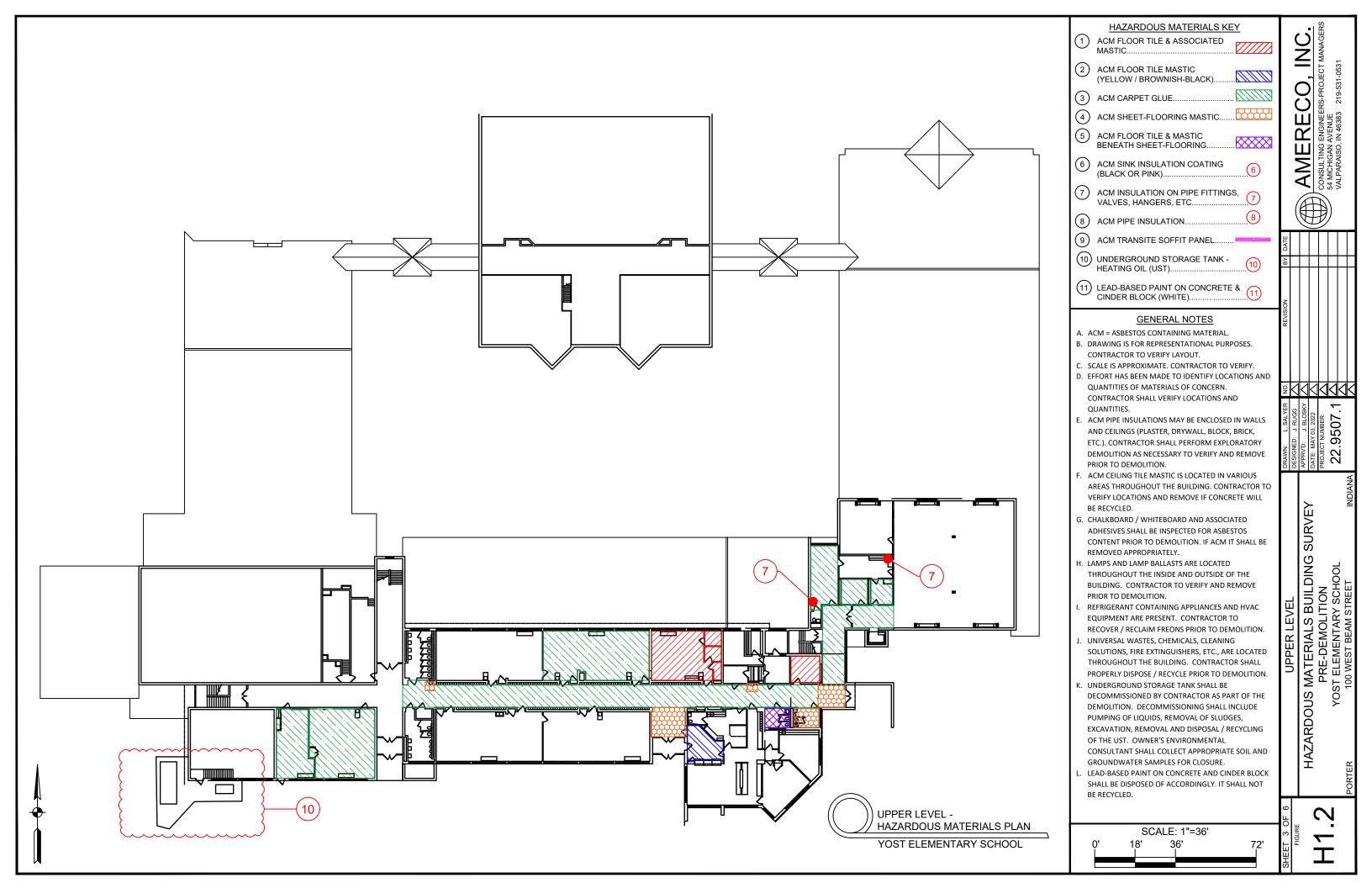
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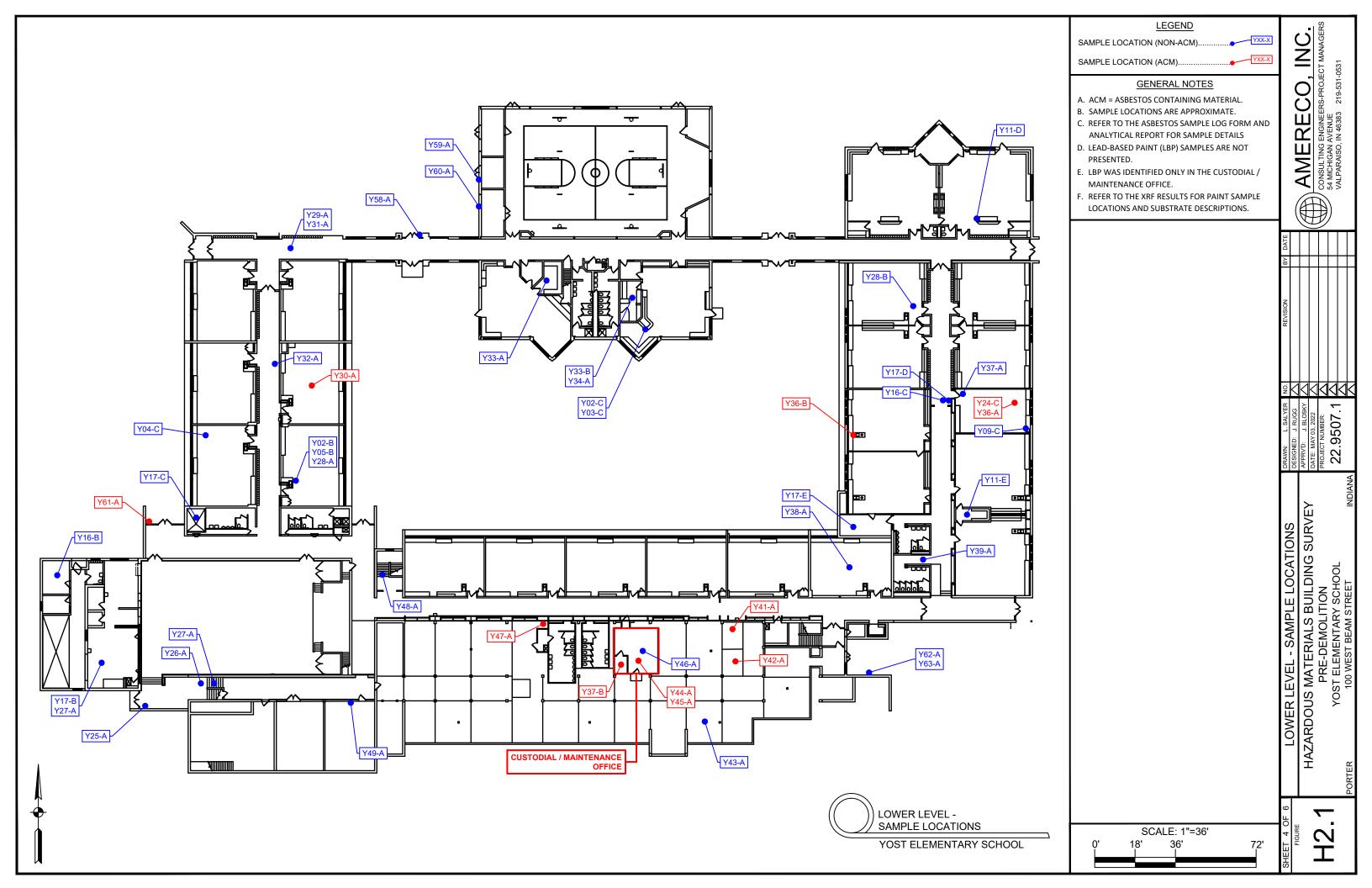
OUS MATERIALS BUILDING
PRE-DEMOLITION
YOST ELEMENTARY SCHOOL

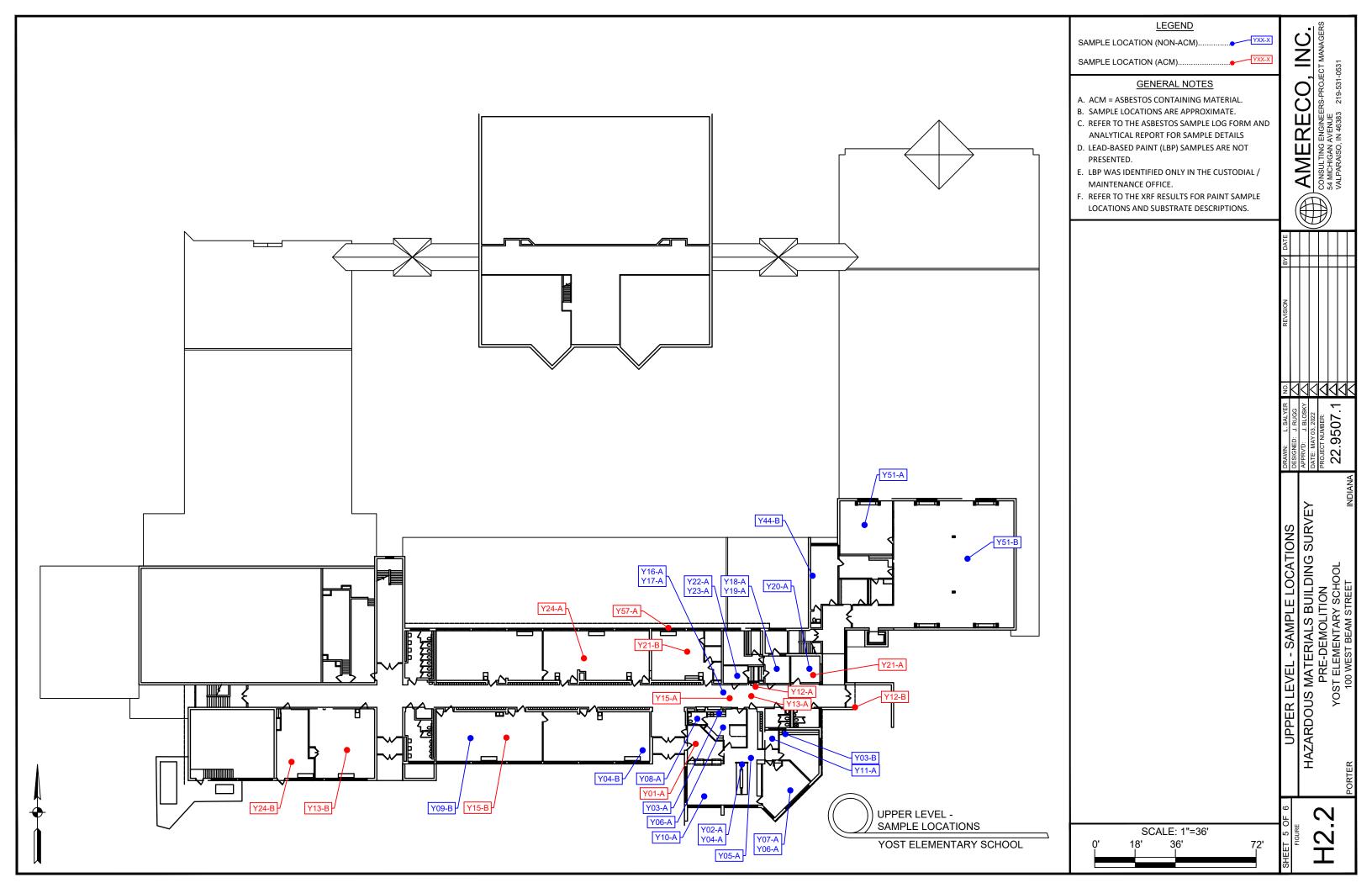
O HAZAR

G0.0

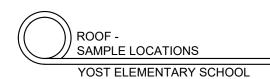














ROOF CORE SAMPLE LOCATION (NON-ACM).....

ROOF CORE SAMPLE LOCATION (ACM)....

- C. REFER TO THE ASBESTOS SAMPLE LOG FORM AND
- MAINTENANCE OFFICE.
- F. REFER TO THE XRF RESULTS FOR PAINT SAMPLE

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. 7 🗀	INFI	RAI	NO.	ıra

A. ACM = ASBESTOS CONTAINING MATERIAL.

B. SAMPLE LOCATIONS ARE APPROXIMATE.

ANALYTICAL REPORT FOR SAMPLE DETAILS

D. LEAD-BASED PAINT (LBP) SAMPLES ARE NOT PRESENTED.

E. LBP WAS IDENTIFIED ONLY IN THE CUSTODIAL /

LOCATIONS AND SUBSTRATE DESCRIPTIONS.

22.9507.1 ROOF - SAMPLE LOCATIONS
HAZARDOUS MATERIALS BUILDING SURVEY
PRE-DEMOLITION
YOST ELEMENTARY SCHOOL
100 WEST BEAM STREET

NC

AMERECO, CONSULTING ENGINEERS-PROJE 54 MICHIGAN AVENUE VALPARAISO, IN 46383 219-531-6

NOT TO SCALE

2





#### ADDENDUM FOUR

**Addendum Four (AD.04)** to the drawings and specifications prepared by Gibraltar Design for **New Newton Yost Elementary School** for Duneland School Corporation, Chesterton, Indiana.

All Contractors bidding on this project shall read all of the items covered below and shall comply with all of the requirements as set forth, including any necessary refinements or additions generated by this Addendum and required by the intent of the original contract documents. All Contractors shall acknowledge on their bid form that they have received this Addendum, Addendum One, Addendum Two, and Addendum Three and include the appropriate content of same within their bid proposal.

#### **SPECIFICATIONS**

- 1. Specification Section 04 20 00 Unit Masonry
  - A. Delete Paragraph 2.10 D. in its entirety.
  - B. Revise Paragraph 2.12 A.3.b to read: "b. R-16.8 at metal stud back-up."
  - C. Delete Paragraph 2.13 F. in its entirety.
- 2. Specification Section 05 12 00 Structural Steel
  - A. Add the following to the end of Paragraph 2.3 A.: "...or noted in item "C" below."
  - B. Add Paragraph 2.3 C.3 to read:
    - "3. Any elements of the Structural Steel frame that will be completely enclosed and not be exposed to weather upon project completion."
- 3. Specification Section 07 53 24 Roof Insulation and Membrane Roofing TPO
  - A. Revise Paragraph 1.11 B. to read: "B. Manufacturer's Warranty: Provide twenty (20) year..."
  - B. Revise Paragraph 2.1 C. to read: "C. Thickness: 60 mil.".
- 4. Specification Section 08 51 13 Aluminum Windows
  - A. Revise Paragraph 2.5 A. in its entirety to read:
    - "A. All Exposed Aluminum Surfaces (Provide 1 of the following):
      - 1. AA M10C22A41, clear anodized. Class I.
      - 2. Powder Coat Painted Finish AAMA 2605/2604.
        - a. Apply manufacturer's standard primer and powder coat finish, according to coating manufacturer's written instructions for application, thermosetting, and minimum dry film thickness.
        - b. Color to match TCI, anodized Aluminum 45 LB."
- 5. Specification Section 26 05 33 Raceways
  - A. Paragraph 2.01 K.: Delete Item #3.



- B. Paragraph 2.01 L.: Delete Item #4.
- C. Paragraph 2.01 L.: Add Item #7 Exposed in Mechanical Rooms.
- D. Paragraph 2.01 P.: Revise Item #1 to delete "as indicated on drawing" and replace with "Use for underground installation with or without concrete, where listed by the manufacturer for direct burial, and not otherwise indicated on drawings."
- E. Add Paragraph 2.01 Q. to read:
  - "Q. Metal Clad Cable, Type MC
    - 1. Description: A factory assembly of one or more current-carrying insulated conductors in an overall metallic sheath.
    - 2. Uses: Individual classrooms branch circuits and devices to junction box with conduit homerun.
    - 3. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
      - a. AFC Cable Systems: Atkore International.
      - b. Encore Wire Corporation.
      - c. General Cable: Prysmian Group North America.
      - d. Southwire Company, LLC.
    - 4. Standards:
      - a. Listed and labeled as defined in NFPA 70 by a qualified testing agency, marked for intended location and use.
      - b. Comply with UL 1569.
      - c. Conductor and Cable Marking: Comply with wire and cable marking according to UL's "Wire and Cable Marking and Application Guide".
    - 5. Circuits:
      - a. Single Circuit and Multi Circuit with Color-coded Conductors.
      - b. Power-Limited Fire Alarm Circuits: Comply with UL 1424.
    - Conductors: Copper, comply with ASTM 83 for bare annealed copper and with ASTM B8 for stranded conductors.
    - 7. Ground Conductor: Insulated
    - 8. Conductor Insulation:
      - a. Type TFN/THHN/THWN-2. Comply with UL83.
    - 9. Armor: Steel, interlocked."

#### **DRAWINGS**

#### 6. Sheet G-302

A. Refer to three (3) revised full size drawings, included in this Addendum, for the following revisions:



1. Partition Type "A": Add Note A6.

#### 7. Sheet C-10, C-12, C-13

- A. Refer to three (3) revised full size drawings, included in this Addendum, for the following revisions:
  - 1. Revised Alternate callout removed note "Alternate 2" and replaced with "Alternate".
  - 2. Revised wording of "Grading Notes" to removed numbered alternate reference and replaced with alternate location descriptions.

#### 8. Sheet C-11, C-14

- A. Refer to two (2) revised full size drawings, included in this Addendum, for the following revisions:
  - 1. Revised wording of "Grading Notes" to removed numbered alternate reference and replaced with alternate location descriptions.

#### 9. Sheet C-15

A. Refer to revised full size drawing, included in this Addendum, for removed "Grading Notes".

#### 10. Sheet C-16

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
  - 1. Revised Str. No. 39 to be a 48" diameter manhole.
  - 2. Revised Str. No. 13 and Str. No. 14 to be standard manholes, not drop manholes.

#### 11. Sheet C-17

A. Refer to revised full size drawing, included in this Addendum, for Str. No 37 callout information added.

## 12. Sheets S-203A, S-203B, S-203C, 203D/E, S-204B, S-204D, S-204E

A. Revise roof deck type "R-22" in Plan Legend to read as follows: "Denotes 1-1/2", 22 GA. Wide rib steel roof deck, prime painted only."

#### 13. Sheet S-203D/E

A. Refer to revised full size drawing, included in this Addendum, for clarification of lintel.

#### 14. Sheet S-410

A. Refer to revised full size drawing, included in this Addendum, for new Detail 7 added.

#### 15. Sheets A-101 through A-105

A. Refer to Five (5) revised full size drawings, included in this Addendum, for Plan Note 46 revised to clarify GFCMU Alternate.

#### 16. Sheets A-101, A-102, A-103

A. Refer to three (3) revised full size drawings, included in this Addendum, for clarification of partition types at classroom entries.

#### 17. Sheet A-102

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
  - 1. Add Multiple additional Note 30 to Mechanical Yard B-130 to clarify extent of



acoustical sound baffle panels.

#### 18. Sheet A-104

A. Refer to revised full size drawing, included in this Addendum, for clarification of partition types at Vestibule D-101 and at chase between Boys RR D-121 and Girls RR D-122.

#### 19. Sheet A-105

A. Refer to revised full size drawing, included in this Addendum, for clarification of partition types at Vestibule E-101.

#### 20. Sheet A-210

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
  - 1. Metal fascia detail S/A-210:
    - a. Add dimension for exposed fascia height.
    - b. Change "Extruded Aluminum Fascia: to "0.050 Aluminum Fascia with Continuous Aluminum Clip".
    - Revise graphics to show continuous clip under bonding adhesive and EPDM membrane.

#### 21. Sheet A-211

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
  - Roof Fascia Detail 4/A-211: Change metal fascia and add treated wood blocking.
  - 2. Masonry Parapet Detail 12/A-211: Change metal fascia and add treated wood blocking.

#### 22. Sheet A-310

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
  - 1. General Elevation Notes: Revise Note 14 to clarify height and quantity of letters.

#### 23. Sheet A-418

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
  - 1. Change wall above inner storefront from CMU to metal stud and add gypsum bulkhead.

#### 24. Sheet A-730

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
  - 1. Casework Item "C1 and C2" have changed to 9" wide interior dimension cubbies. Refer to revised casework schedule and elevations.

#### 25. Sheets A-804 and A-805

- A. Refer to two (2) revised full size drawings, included in this Addendum, for the following revisions:
  - 1. Clarification of floor material transition strips.

#### 26. Sheet A-830

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:



1. Clarification of floor material locations.

#### 27. Sheet A-905

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
  - 1. Add gypsum bulkhead between Vestibule E-101 and Corridor E-102.

#### 28. Sheet T-101

A. Room A-125: Remove access control devices from room door. No full size drawings are issued for this sheet.

#### 29. Sheet T-102

A. Room B-134: Remove access control devices from room door. No full size drawings are issued for this sheet.

#### 30. Sheet T-103

A. Room C-119: Remove access control devices from room door. No full size drawings are issued for this sheet.

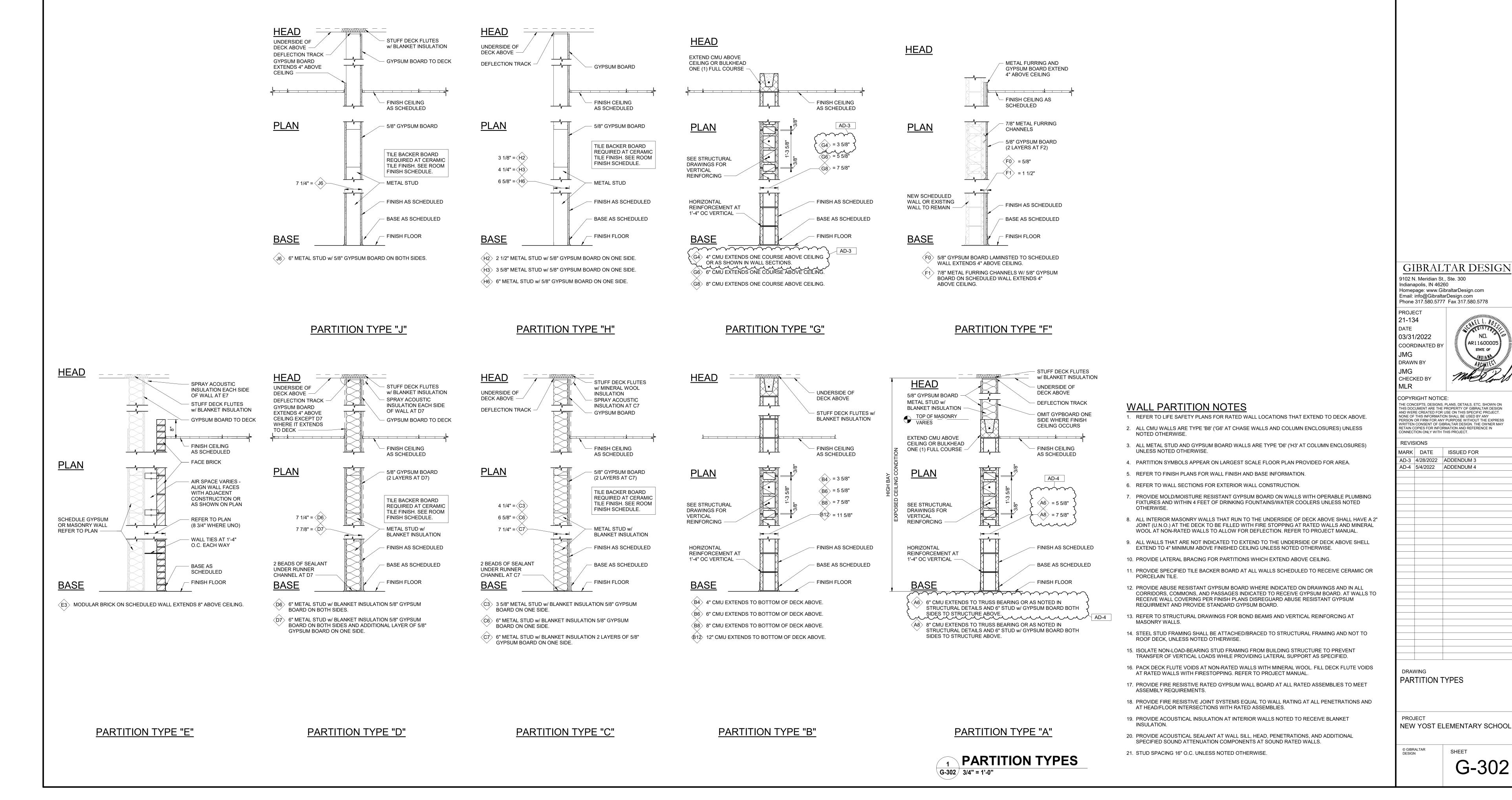
#### 31. Sheet T-104

A. Room D-112: Remove access control devices from room door. No full size drawings are issued for this sheet.

Pages 1 through 5, inclusive, and Twenty-four (24) Full-Size Drawings, constitute the total makeup of **Addendum Four**.



Y:\21-134 Duneland SC - New Yost ES\Specs\ADDENDUM FOUR\AD04.doc



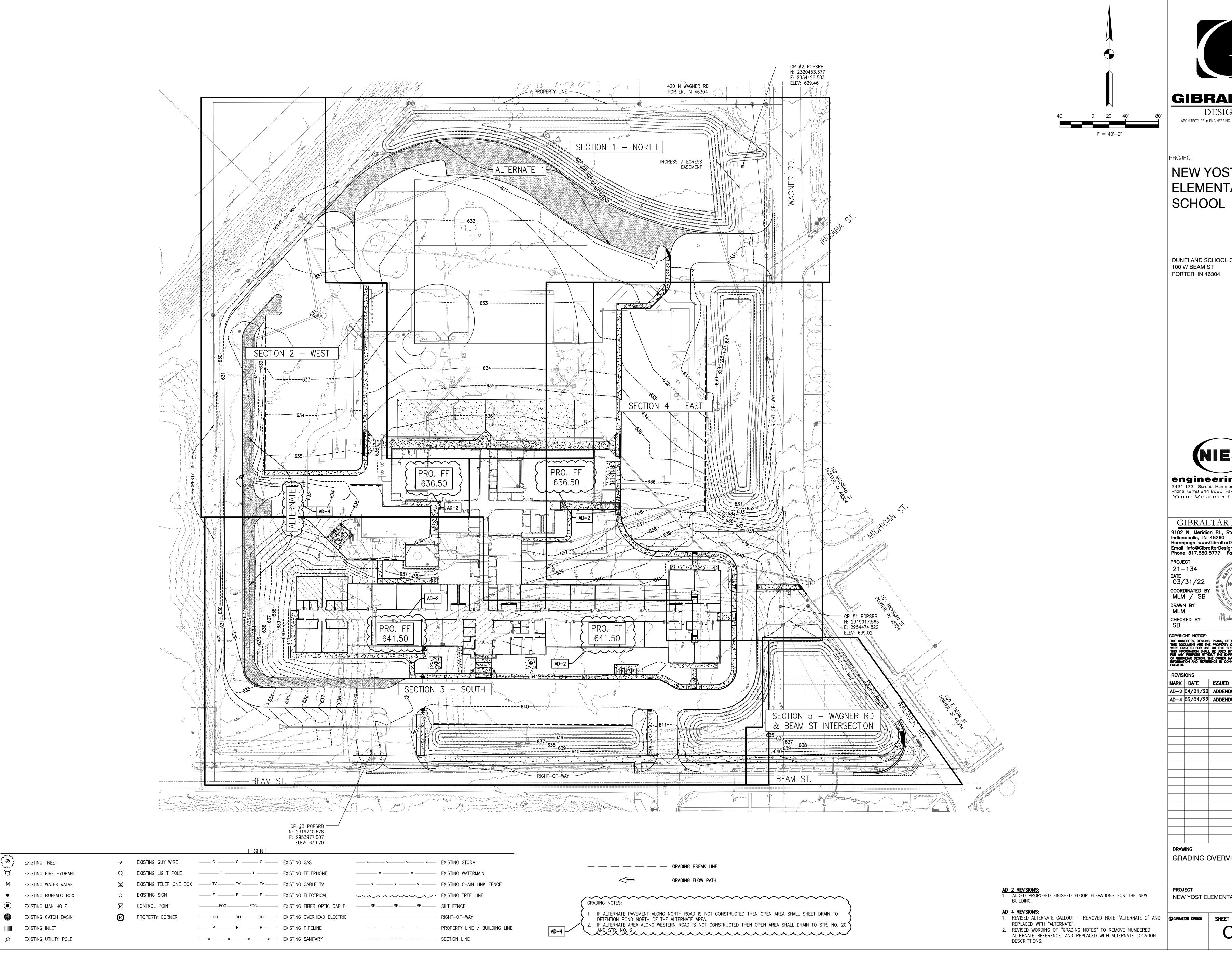
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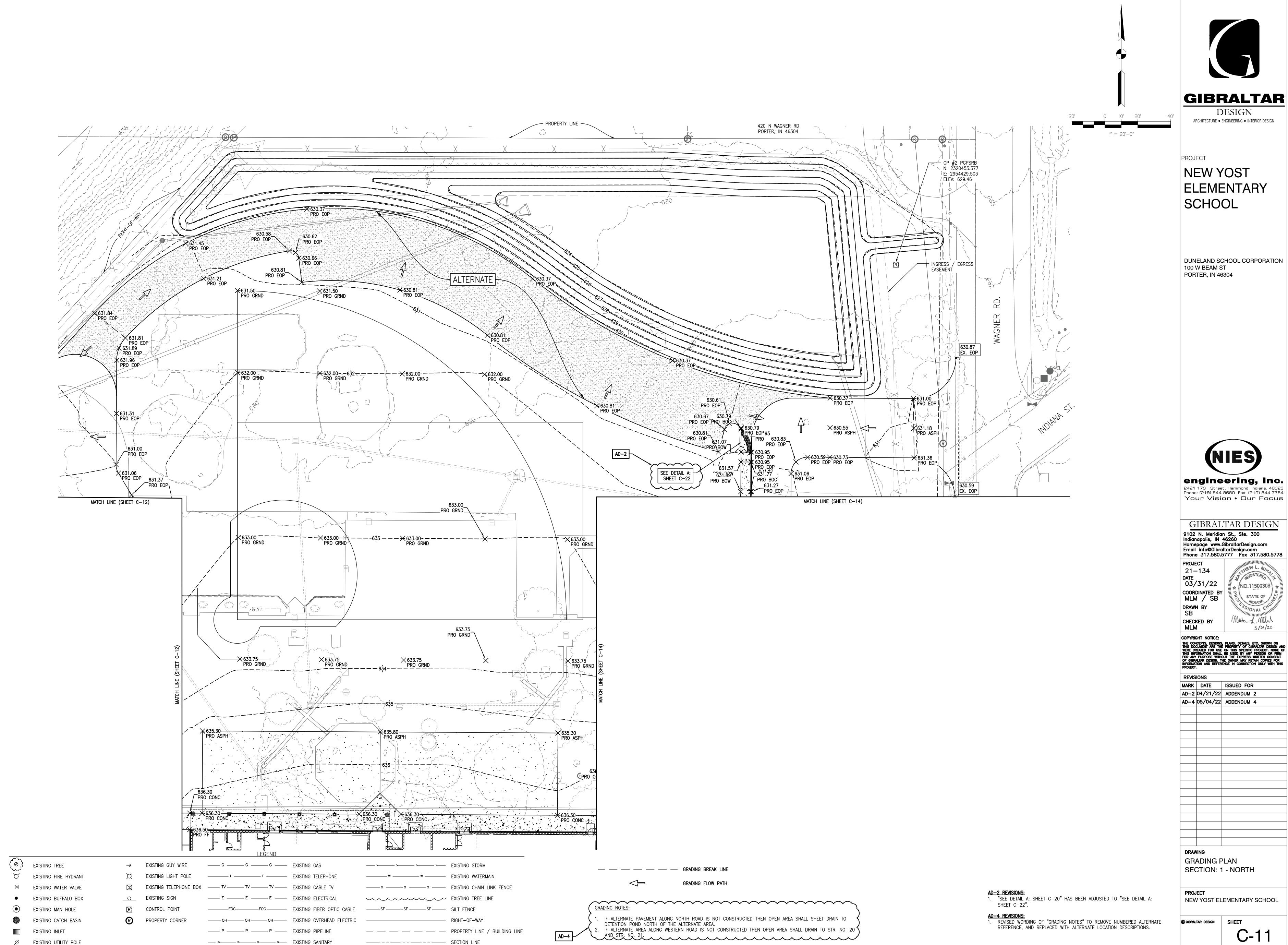
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MARK DATE ISSUED FOR AD-2 04/21/22 ADDENDUM 2 AD-4 05/04/22 ADDENDUM 4

GRADING OVERVIEW

NEW YOST ELEMENTARY SCHOOL

C-10



© GIBRALTAR DESIGN SHEET C-11

Moller L. Milan



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03/31/22 COORDINATED BY MLM / SB

Moute L. Miles CHECKED BY 3/31/22

REVIS	IONS		
MARK	DATE	ISSUED FOR	२
AD-2	04/21/22	ADDENDUM	2
AD-3	04/28/22	ADDENDUM	3
AD-4	05/04/22	ADDENDUM	4
	1		

AD-2 REVISIONS:

1. "SEE DETAIL B: SHEET C-20" HAS BEEN ADJUSTED TO "SEE DETAIL B: SHEET C-22".

AD-3 REVISIONS:

1. THE ELEVATION OF THE PROPOSED EDGE OF PAVEMENT AT THE RADIUS HAS

BEEN ADJUSTED FROM 633.27 TO 633.15.

AD-4 REVISIONS:

1. REVISED ALTERNATE CALLOUT — REMOVED NOTE "ALTERNATE 2" AND

REPLACED WITH "ALTERNATE". 2. REVISED WORDING OF "GRADING NOTES" TO REMOVE NUMBERED ALTERNATE REFERENCE, AND REPLACED WITH ALTERNATE LOCATION DESCRIPTIONS.

**DRAWING GRADING PLAN** SECTION: 2 - WEST

NEW YOST ELEMENTARY SCHOOL

© GIBRALTAR DESIGN SHEET

C-12

EXISTING TREE

EXISTING FIRE HYDRANT

EXISTING BUFFALO BOX

EXISTING MAN HOLE

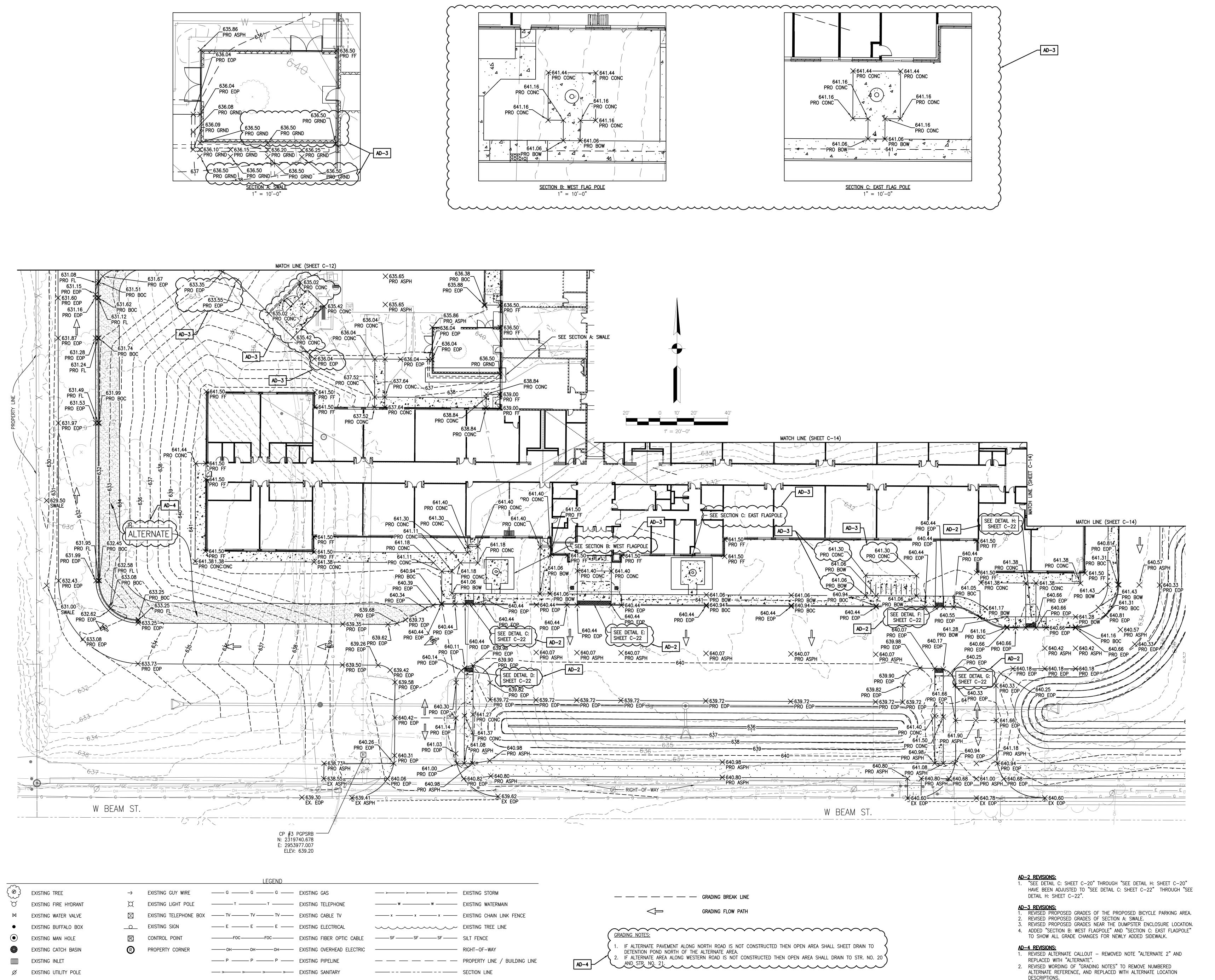
EXISTING INLET

EXISTING CATCH BASIN

 $\varnothing$  EXISTING UTILITY POLE

O EXISTING SIGN

R CONTROL POINT



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SB

CHECKED BY
MLM

3/31/22

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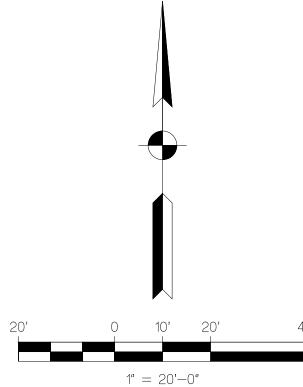
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		ADDENDUM 3	
AD-4	05/04/22	ADDENDUM 4	
DRAWING			

DRAWING
GRADING PLAN
SECTION: 3 - SOUTH

PROJECT
NEW YOST ELEMENTARY SCHOOL

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C-13





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AD-2	04/21/22	ADDENDUM 2
AD-3	04/28/22	ADDENDUM 3
AD-4	05/04/22	ADDENDUM 4
	+	

GRADING PLAN SECTION: 4 - EAST

BEEN ADJUSTED TO "SEE DETAIL I: SHEET C-22" THROUGH "SEE DETAIL N:

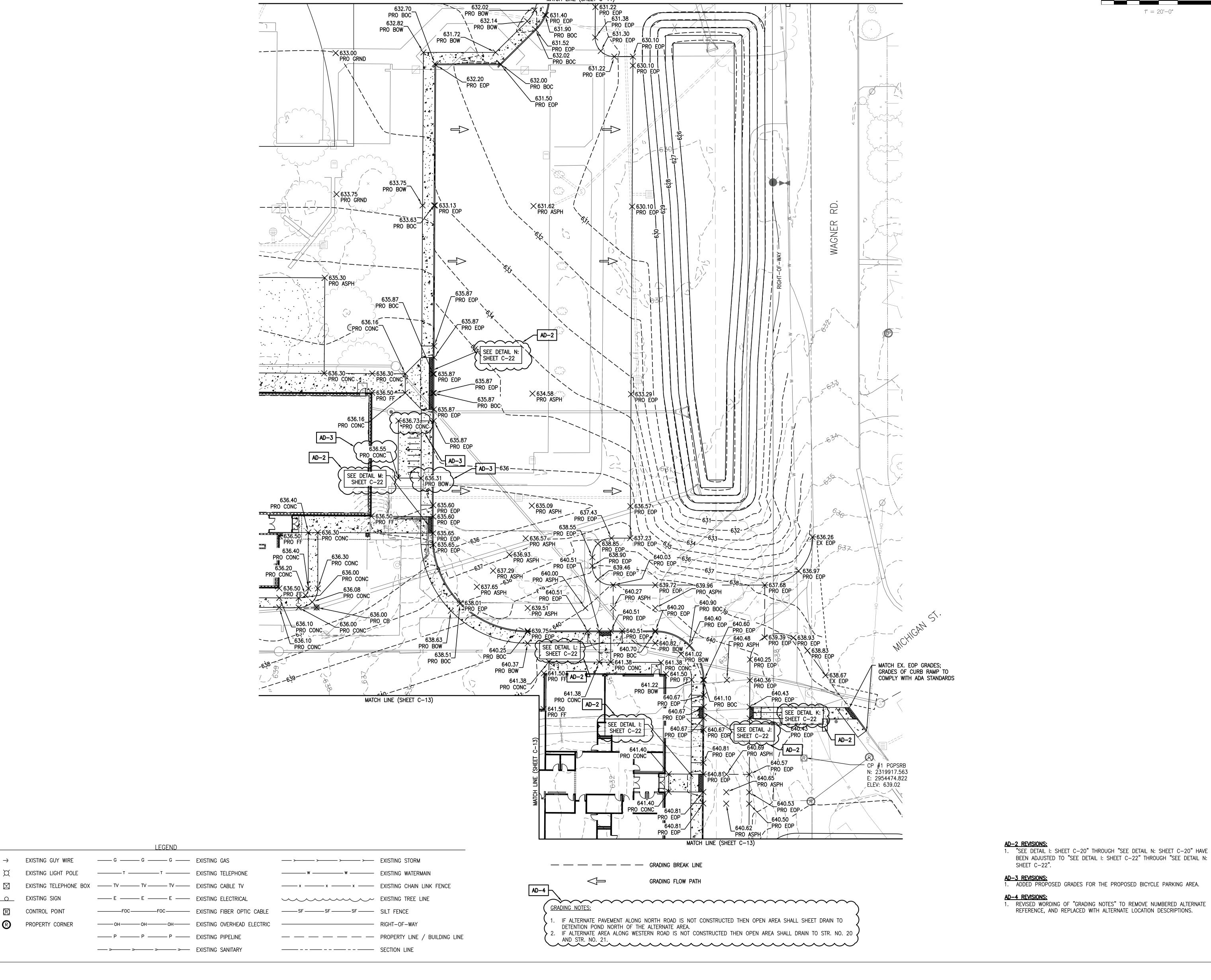
REFERENCE, AND REPLACED WITH ALTERNATE LOCATION DESCRIPTIONS.

SHEET C-22".

NEW YOST ELEMENTARY SCHOOL

© GIBRALTAR DESIGN SHEET

C-14



MATCH LINE (SHEET C-11)

632.70\_ PRO BOC

EXISTING TREE

EXISTING FIRE HYDRANT

EXISTING BUFFALO BOX

EXISTING MAN HOLE

EXISTING INLET

EXISTING CATCH BASIN

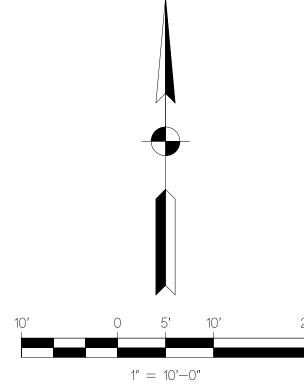
Ø EXISTING UTILITY POLE

O EXISTING SIGN

R CONTROL POINT

R PROPERTY CORNER

LEGEND





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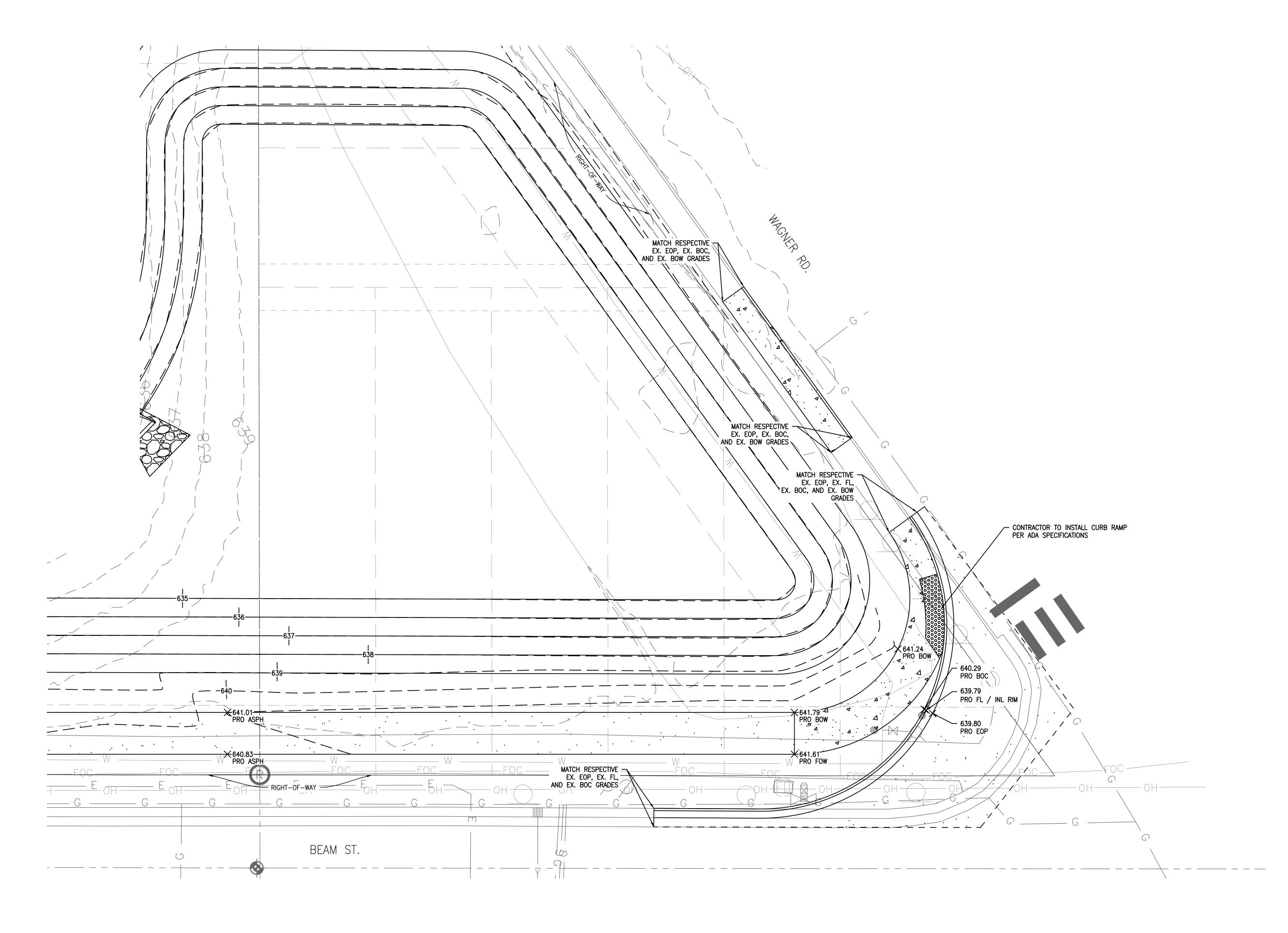
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| SECTION: 5 - WAGNER RD & BEAM ST INTERSECTION

NEW YOST ELEMENTARY SCHOOL

© GIBRALTAR DESIGN SHEET

C-15



— — — GRADING BREAK LINE

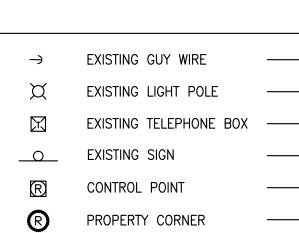
GRADING FLOW PATH

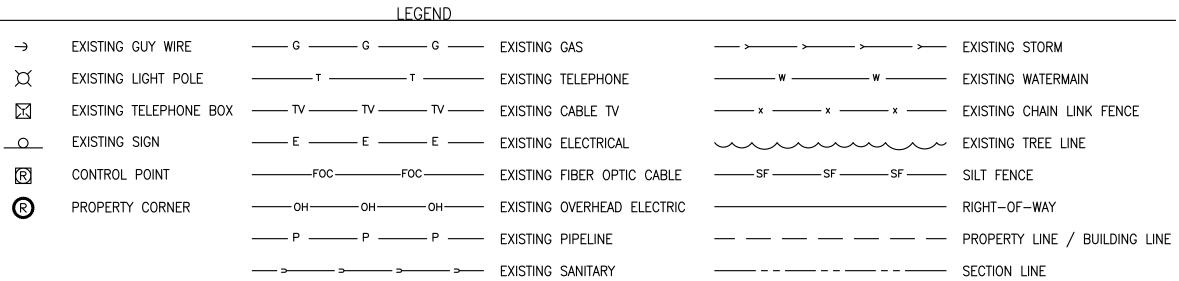
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A	EXISTING	FIRE HYDRANT
M	EXISTING	WATER VALVE
•	EXISTING	BUFFALO BOX
ledot	EXISTING	MAN HOLE

EXISTING CATCH BASIN

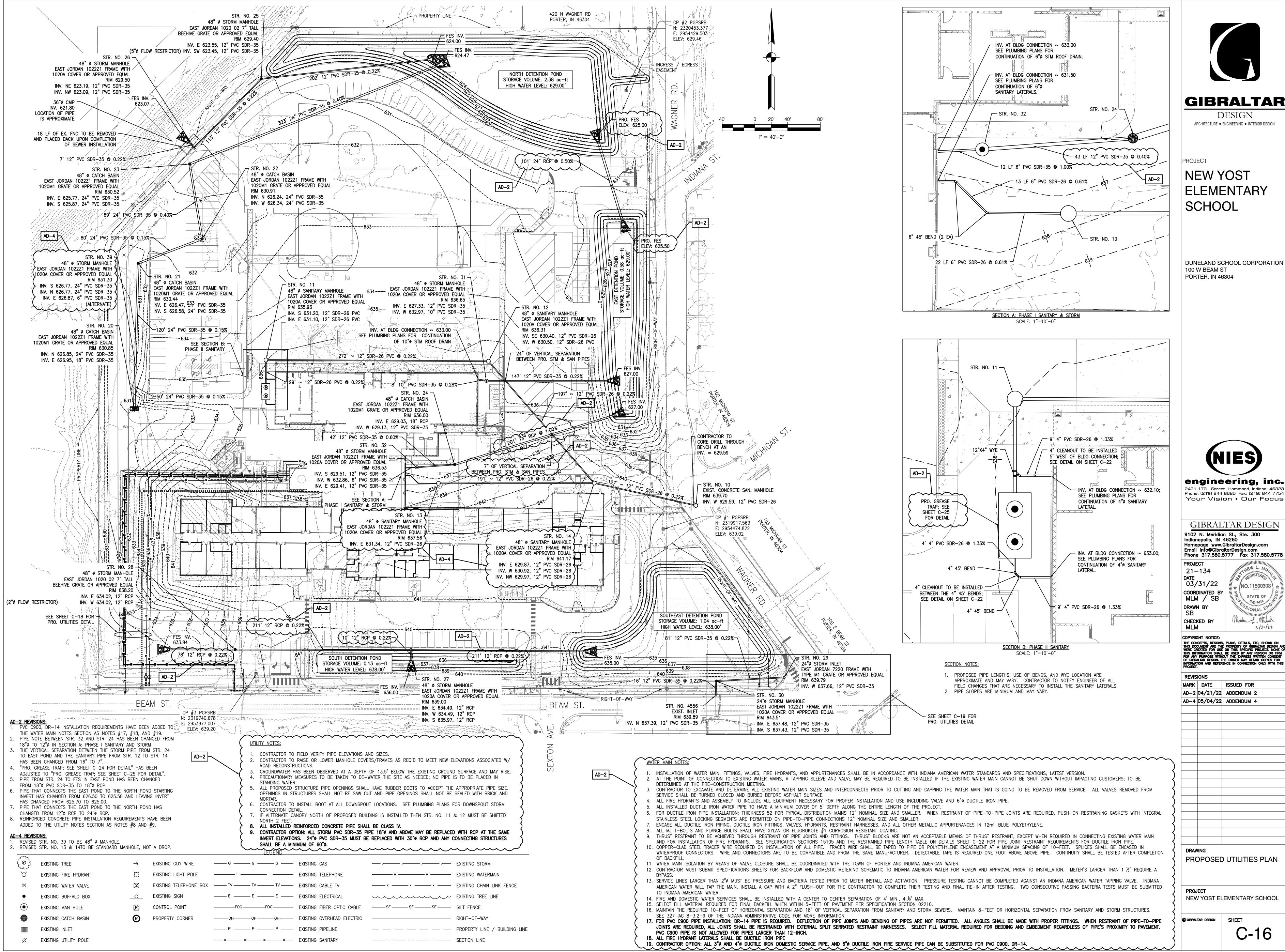
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EXISTING INLET





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AD-4	05/04/22	ADDENDUM 4
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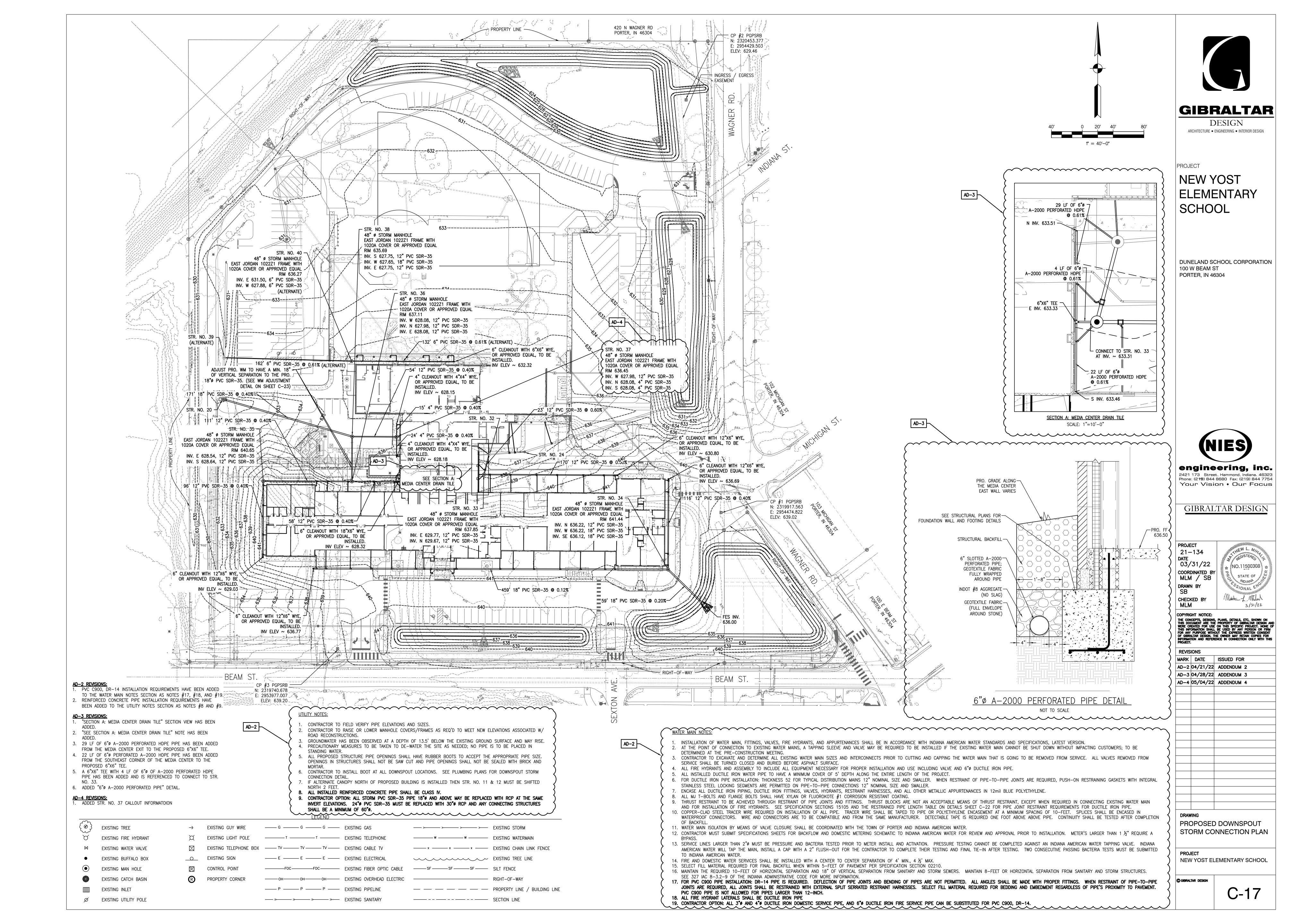
PROPOSED UTILITIES PLAN

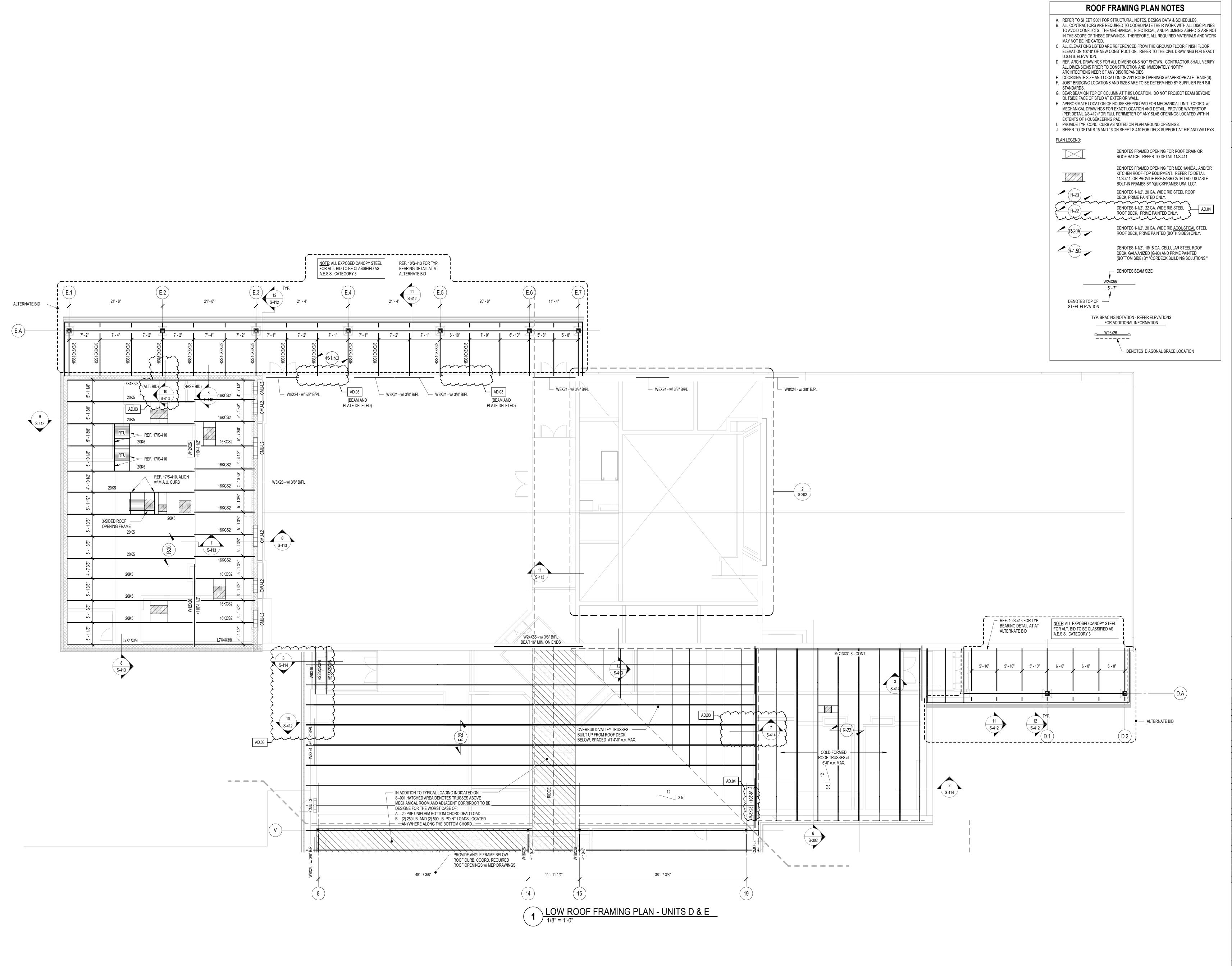
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SHEET

C-16







DESIGN

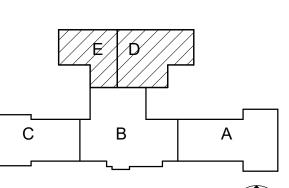
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PROJECT
21-134

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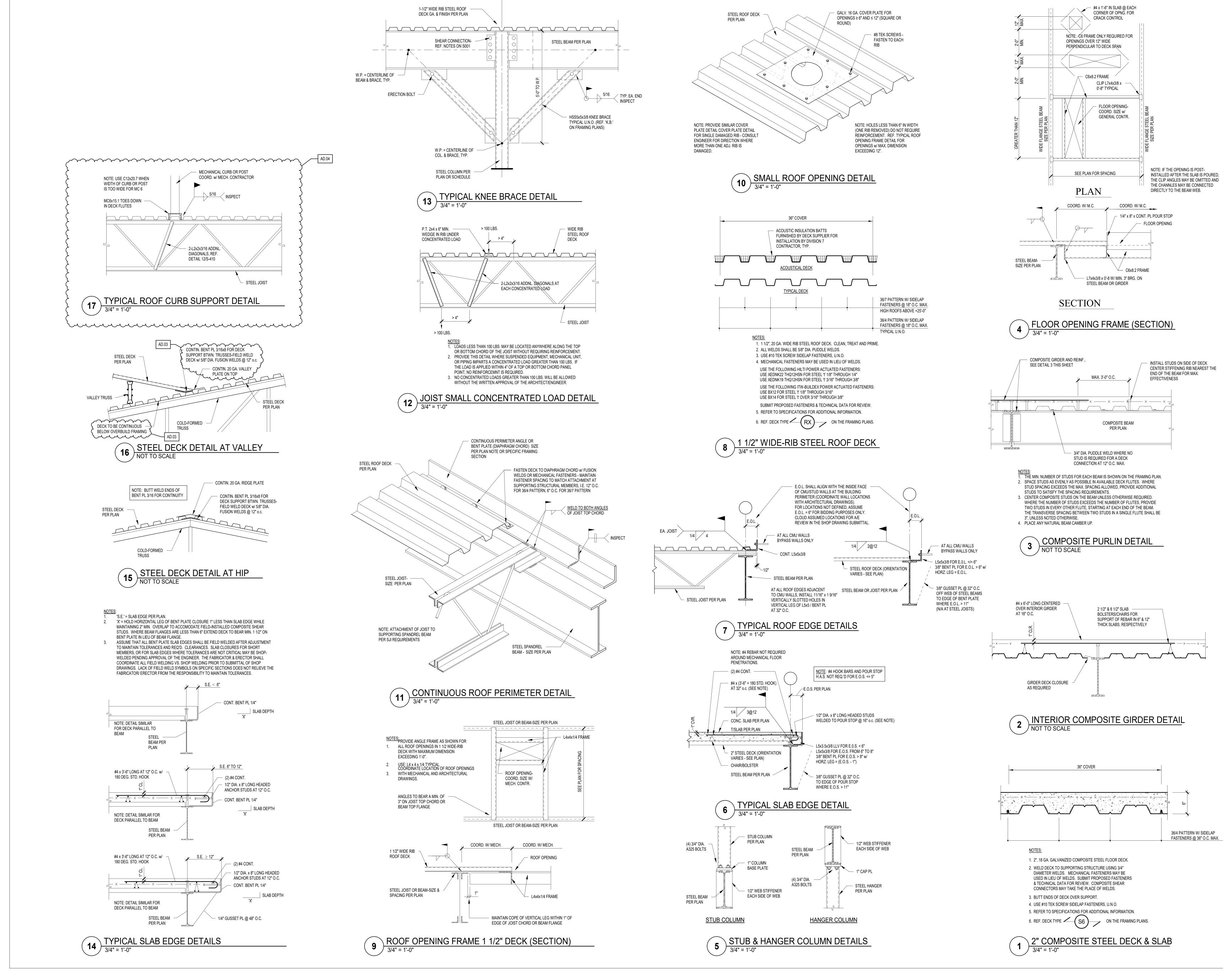
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DRAWING
LOW ROOF FRAMING PLAN UNITS D & E

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D/E S-203D/E



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REVISIONS MARK DATE ISSUED FOR AD.03 4/28/22 ADDENDUM 3 AD.04 5/04/22 ADDENDUM 4

DRAWING TYPICAL FRAMING SECTIONS

**NEW YOST ELEMENTARY SCHOOL** 

AND DETAILS

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S-410

- A. FOR GENERAL PROJECT NOTES. MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATION, ETC. REFER TO SHEET G-301.
- B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO
- TO FACE OF TILE BACKER BOARD. C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS TO NOT HAVE ANY

FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE

- PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW. D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.
- E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.
- F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AD HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
- G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) AS REQUIRED WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.
- H. REFER TO LIFE SAFETY PLANS REGUARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.
- I. INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS NOTED OTHERWISE.
- J. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIALS.
- K. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

L. ALL INTERIOR RUNNING BOND FACE BRICK TO BE (TYPE D1)

M. REFER TO EQUIPMENT PLANS FOR CASEWORK, DISPLAY

BOARDS, LOCKERS, AND OTHER ADDITIONAL TYPICAL

- COLOR D 1/3 RUNNING BOND 4X4X12 UTILITY. ALL INTERIOR SOLDIER COURSE FACE BRICK TO BE (TYPE D2-1) COLOR D -SOLDIER COURSE - 4X4X8 CLOSURE.
- N. REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.

## PLAN LEGEND:

INDICATES WINDOW SYSTEM. REFER TO A-600 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS

EQUIPMENT NOTES AND INFORMATION.

WX INDICATES WALL TYPES. REFER TO G-302 FOR WALL THICKNESS DEIGHT AND CONTRACT THICKNESS, HEIGHT, AND COMPOSITION.

## **PLAN NOTES:**

- (1) CONCRETE STOOP, PROVIDE SCORED JOINTS ON SURFACE TO ALIGN WITH CONCRETE SIDEWALK JOINTS, REFER TO
- STRUCTURAL DRAWINGS. (2) CASEWORK AND/OR MILLWORK (TYPICAL), REFER TO
- **EQUIPMENT PLANS.** 3 DASHED LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS.
- (4) PUSH PAD FOR ADA OPERATOR, REFER TO ELECTRICAL
- CARD/FOB READER, REFER TO ELECTRICAL/TECHNOLOGY AI DEVICE, REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
- FIRE ALARM PANEL, REFER TO ELECTRICAL DRAWINGS.

AND FLOOR. EXTEND RAIL 12" PAST TOP AND BOTTOM OF

- 8 FIRE ALARM ANNUNCIATOR PANEL, REFER TO ELECTRICAL INSTALL NEW 1 1/2" O.D. ANODIZED ALUMINUM HANDRAIL WITH ALUMINUM BRACKETS AT 36" ABOVE SLOPE OF RAMP
- RAMP AND RETURN ENDS TO WALL. -(10) GYM EQUIPMENT (TYPICAL). REFER TO EQUIPMENT
- MOP SINK, REFER TO PLUMBING DRAWINGS. PROVIDE
- MOP HOLDER. 2) WASH FOUNTAIN, REFER TO PLUMBING DRAWINGS.
- 3) ROOF HATCH AND LADDER. FIRE EXTINGUISHER (WALL MOUNTED). REFER TO EQUIPMENT PLANS FOR ADDITIONAL FIRE EXTINGUISHERS
- AND CABINETS. CABINET HEATER, REFER TO MECHANICAL DRAWINGS. AD-2 ROOF CONDUCTOR, REFER TO PLUMBING DRAWINGS.
- DOWNSPOUT, REFER TO ROOF PLAN.
- B) LINE OF CANOPY ABOVE, REFER TO SECTIONS. 9) 6" PIPE BOLLARD, REFER TO CIVIL DRAWINGS.
- D) DATE STONE AND TIME CAPSULE.
- ROOF BELOW, REFER TO ROOF PLAN.
- ALUMINUM DIVIDER RAIL. -ELECTRIC WATER COOLER, REFER TO PLUMBING DRAWINGS.
- ACCESSIBLE ELECTRIC WATER COOLER WITH BOTTLE FILLER AND BUBBLER, REFER TO PLUMBING DRAWINGS.
- (26) PROVIDE 4" HIGH CONCRETE EQUIPMENT/HOUSKEEPING PAD UNDER ALL EQUIPMENT IN THIS ROOM, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES. CONCRETE EQUIPMENT PAD, VERIFY SIZE AND LOCATION
- WITH MECHANICAL AND ELECTRICAL TRADES. REFER TO STRUCTURAL DRAWINGS FOR DETAILS. (28) 6" OF #53'S CRUSHED STONE, REFER TO CIVIL DRAWINGS. ALUMINUM GATE WITH STEEL FRAME AND POST.
- ACOUSTICAL SOUND BAFFLE PANELS WITH 2" THICK FIBERGLASS INSULATION (BOTTOM AT ELEVATION 95'-0" TOP AT ELEVATION 102'-4"). PROVIDE ALUMINUM J MOLDING PROVIDE SPRAY ACOUSTICAL INSULATION ON BOTTOM OF
- ENTIRE MEZZANINE FLOOR DECK AT THIS LOCATION. 1" SEMI-RIGID INSULATION FROM TOP OF CURB TO ROOF DECK
- 33) DISPLAY CASE 34) DISPLAY WALL/MONITOR (TYP), REFER TO
- EQUIPMENT DRAWINGS. 35) ROLLING SHUTTER DOOR.
- 36) ROLLING COUNTER DOOR.
- 7) ROLLING SERVICE DOOR. 38) RETURN AIR GRILL COVER.
- 39) CHASE WALL WITH SOLID SURFACE TOP.-40) INSTALL 2 1/8" RIGID INSULATION ON EXTERIOR WALL OF CHASE FROM TOP OF SLAB TO TOP OF CHASE.
- 1) 1/2" GAP IN WALL WITH SEALANT AND BACKER ROD AT ALL EXPOSED FACES.
- (42) PROVIDE 4" TALL CONCRETE CURB AROUND PERIMETER OF MEZZANINE AND OPENINGS FOR
- VERTICAL CIRCULATION. REFER TO SECTIONS AND STRUCTURAL DRAWINGS. (43) ALTERNATE: FOLDING PARTITION (MANUAL).
- (44) CAVITY INSULATION AND MASONRY TO CONTINUE THROUGH CANOPY PLENUM. SEAL INSULATION TIGHT TO PENETRATING BEAMS WITH FOAM INSULATION. PROVIDE MEMBRANE FLASHING OVER TOP OF BEAMS
- EXPOSED IN BRICK CAVITY. METAL LOCKERS, REFER TO EQUIPMENT PLANS.

  46 ALTERNATE: FACE OF EXPOSED CMU IN THIS AREA SHALL BE GROUND FACE CONCRETE MASONRY UNITS (GFCMU). BACK OF GFCMU IS ACCEPTABLE WHERE EXPOSED ON WING WALLS.)
- BASE BID: STANDARD PAINTED CMU, REFER TO FINISH PLANS.
  TRANSITION FROM GFCMU TO PAINTED CMU AT THIS POINT. (48) LAMINATE 5/8" GYPSUM BOARD TO FACE OF FOUNDATION WAL (49) FALTERNATE: STAIRS, HANDRAILS, WALL OPENING, WALL, AND

PAINT BACK OF GFCMU EXPOSED WITHIN ROOMS.

🖊 DOOR. BASE BID: CONCRETE SLAB, EXTEND ROOM D-110. (50) CUBICLE CURTAIN. CYCLORAMA CURTAIN. -

53 FLAG POLE, REFER TO CIVIL FOR EXACT LOCATION. —

LAMINATE TEMPORARY INSULATION AS PART OF PHASE 1 ALONG THIS WALL FROM FINISH FLOOR TO ROOF DECK. REMOVE AND REPLACE WITH GYPSUM BOARD FROM FINISH FLOOR TO 4" ABOVE CEILING IN PHASE 2.

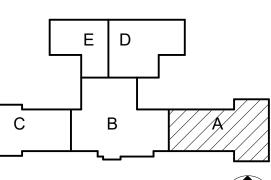


DESIGN ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT:

**NEW YOST ELEMENTARY** SCHOOL

DUNELAND SCHOOL CORPORATION 100 W BEAM ST PORTER, IN 46304



GIBRALTAR DESIGN 9102 N. Meridian St., Ste. 300 ndianapolis, IN 46260 Homepage: www.GibraltarDesign.com Email: info@GibraltarDesign.com Phone 317.580.5777 Fax 317.580.5778

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MARK DATE ISSUED FOR AD-1 4/14/2022 ADDENDUM 1 AD-2 4/21/2022 ADDENDUM 2 AD-3 4/28/2022 ADDENDUM 3 AD-4 5/4/2022 ADDENDUM 4

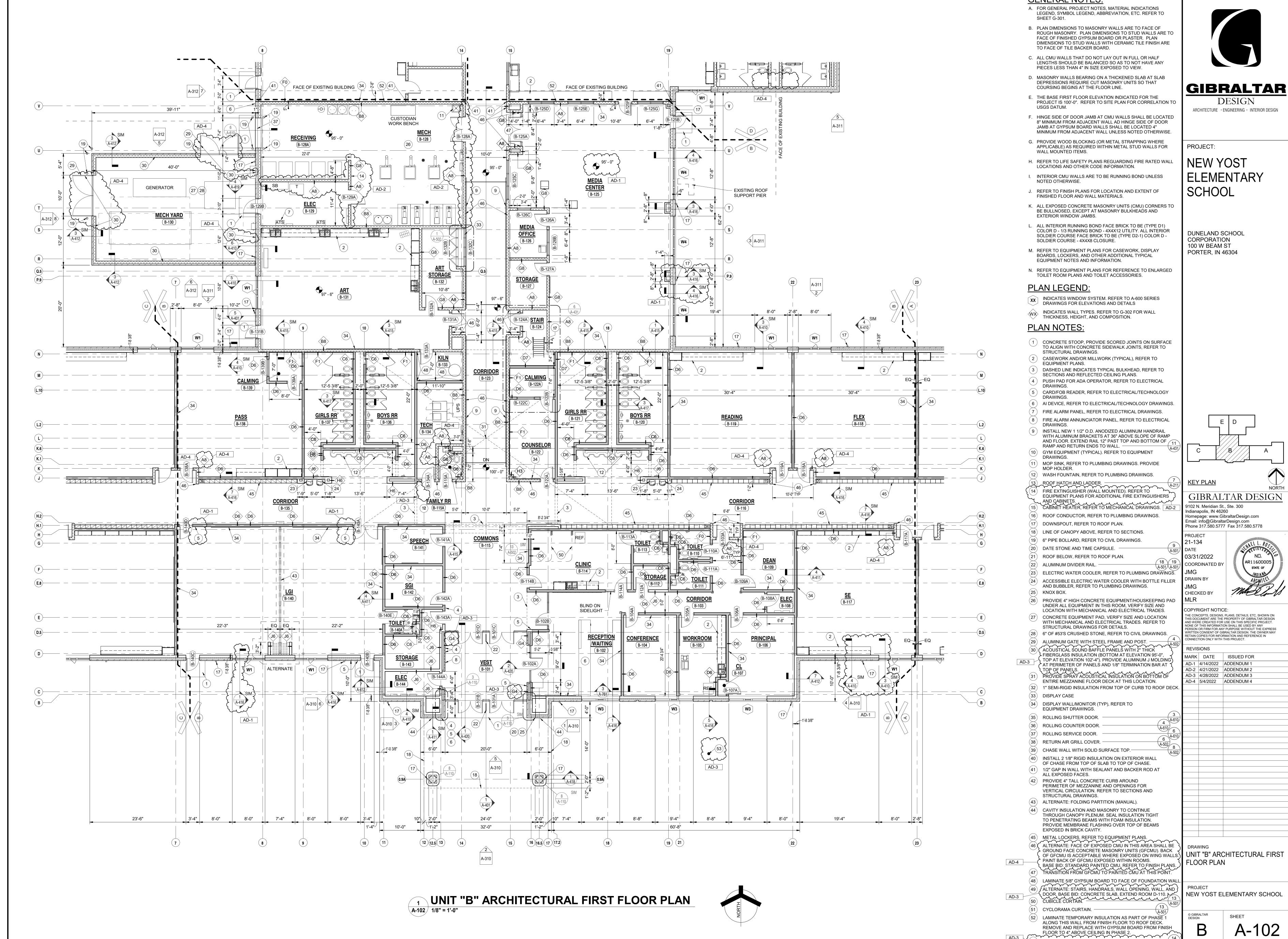
UNIT "A" ARCHITECTURAL FIRST

NEW YOST ELEMENTARY SCHOOL

SHEET

UNIT "A" ARCHITECTURAL FIRST FLOOR PLAN A-101 1/8" = 1'-0"





53 FLAG POLE, REFER TO CIVIL FOR EXACT LOCATION. —

SHEET A-102

DESIGN

- A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATION, ETC. REFER TO
- B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO
- C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF
- D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.
- E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO
- F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AD HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.

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DESIGN

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PROJECT:

**NEW YOST** 

**SCHOOL** 

DUNELAND SCHOOL

CORPORATION

100 W BEAM ST

KEY PLAN

<del>|</del> 03/31/2022

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MARK DATE ISSUED FOR AD-1 4/14/2022 ADDENDUM 1

AD-2 4/21/2022 ADDENDUM 2

AD-3 4/28/2022 ADDENDUM 3

AD-4 5/4/2022 ADDENDUM 4

PORTER, IN 46304

**ELEMENTARY** 

- G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) AS REQUIRED WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.
- H. REFER TO LIFE SAFETY PLANS REGUARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.
- I. INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS
- K. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS TO
- L. ALL INTERIOR RUNNING BOND FACE BRICK TO BE (TYPE D1) COLOR D - 1/3 RUNNING BOND - 4X4X12 UTILITY. ALL INTERIOR SOLDIER COURSE FACE BRICK TO BE (TYPE D2-1) COLOR D -
- M. REFER TO EQUIPMENT PLANS FOR CASEWORK, DISPLAY BOARDS, LOCKERS, AND OTHER ADDITIONAL TYPICAL
- N. REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.

- INDICATES WINDOW SYSTEM. REFER TO A-600 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS
- INDICATES WALL TYPES. REFER TO G-302 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

- (1) CONCRETE STOOP, PROVIDE SCORED JOINTS ON SURFACE TO ALIGN WITH CONCRETE SIDEWALK JOINTS, REFER TO STRUCTURAL DRAWINGS. (2) CASEWORK AND/OR MILLWORK (TYPICAL), REFER TO
- (3) DASHED LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS.
- (4) PUSH PAD FOR ADA OPERATOR, REFER TO ELECTRICAL
- (5) CARD/FOB READER, REFER TO ELECTRICAL/TECHNOLOGY AI DEVICE, REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
- FIRE ALARM PANEL, REFER TO ELECTRICAL DRAWINGS.
- INSTALL NEW 1 1/2" O.D. ANODIZED ALUMINUM HANDRAIL WITH ALUMINUM BRACKETS AT 36" ABOVE SLOPE OF RAMP
- AND FLOOR. EXTEND RAIL 12" PAST TOP AND BOTTOM OF RAMP AND RETURN ENDS TO WALL. (10) GYM EQUIPMENT (TYPICAL). REFER TO EQUIPMENT
- MOP SINK, REFER TO PLUMBING DRAWINGS. PROVIDE
- WASH FOUNTAIN, REFER TO PLUMBING DRAWINGS. ROOF HATCH AND LADDER.

  FIRE EXTINGUISHER (WALL MOUNTED). REFER TO
- **EQUIPMENT PLANS FOR ADDITIONAL FIRE EXTINGUISHERS**
- DOWNSPOUT, REFER TO ROOF PLAN. LINE OF CANOPY ABOVE, REFER TO SECTIONS.
- 6" PIPE BOLLARD, REFER TO CIVIL DRAWINGS.
- ROOF BELOW, REFER TO ROOF PLAN.
- ACCESSIBLE ELECTRIC WATER COOLER WITH BOTTLE FILLER AND BUBBLER, REFER TO PLUMBING DRAWINGS.
- PROVIDE 4" HIGH CONCRETE EQUIPMENT/HOUSKEEPING PAD UNDER ALL EQUIPMENT IN THIS ROOM, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES.
- CONCRETE EQUIPMENT PAD, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
- (28) 6" OF #53'S CRUSHED STONE, REFER TO CIVIL DRAWINGS ALUMINUM GATE WITH STEEL FRAME AND POST (ACOUSTICAL SOUND BAFFLE PANELS WITH 2" THICK
- AT PERIMETER OF PANELS AND 1/8" TERMINATION BAR AT ENTIRE MEZZANINE FLOOR DECK AT THIS LOCATION.
- 32) 1" SEMI-RIGID INSULATION FROM TOP OF CURB TO ROOF DECK
- 34) DISPLAY WALL/MONITOR (TYP), REFER TO EQUIPMENT DRAWINGS.
- (35) ROLLING SHUTTER DOOR.
- RETURN AIR GRILL COVER. CHASE WALL WITH SOLID SURFACE TOP.
- INSTALL 2 1/8" RIGID INSULATION ON EXTERIOR WALL OF CHASE FROM TOP OF SLAB TO TOP OF CHASE. (41) 1/2" GAP IN WALL WITH SEALANT AND BACKER ROD AT ALL EXPOSED FACES. (42) PROVIDE 4" TALL CONCRETE CURB AROUND
- PERIMETER OF MEZZANINE AND OPENINGS FOR VERTICAL CIRCULATION. REFER TO SECTIONS AND STRUCTURAL DRAWINGS. (43) ALTERNATE: FOLDING PARTITION (MANUAL).
- THROUGH CANOPY PLENUM. SEAL INSULATION TIGHT TO PENETRATING BEAMS WITH FOAM INSULATION. PROVIDE MEMBRANE FLASHING OVER TOP OF BEAMS EXPOSED IN BRICK CAVITY. METAL LOCKERS, REFER TO EQUIPMENT PLANS.
- GROUND FACE CONCRETE MASONRY UNITS (GFCMU). BACK OF GFCMU IS ACCEPTABLE WHERE EXPOSED ON WING WALLS PAINT BACK OF GFCMU EXPOSED WITHIN ROOMS. BASE BID: STANDARD PAINTED CMU. REFER TO FINISH PLANS.

  (47) TRANSITION FROM GFCMU TO PAINTED CMU AT THIS POINT.
- LAMINATE 5/8" GYPSUM BOARD TO FACE OF FOUNDATION WAL 49 ALTERNATE: STAIRS, HANDRAILS, WALL OPENING, WALL, AND OOOR. BASE BID: CONCRETE SLAB, EXTEND ROOM D-110. CUBICLE CURTAIN.
- CYCLORAMA CURTAIN. (52) LAMINATE TEMPORARY INSULATION AS PART OF PHASE 1

ALONG THIS WALL FROM FINISH FLOOR TO ROOF DECK. REMOVE AND REPLACE WITH GYPSUM BOARD FROM FINISH FLOOR TO 4" ABOVE CEILING IN PHASE 2.

(53) FLAG POLE, REFER TO CIVIL FOR EXACT LOCATION.

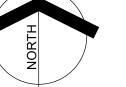
(A-501)

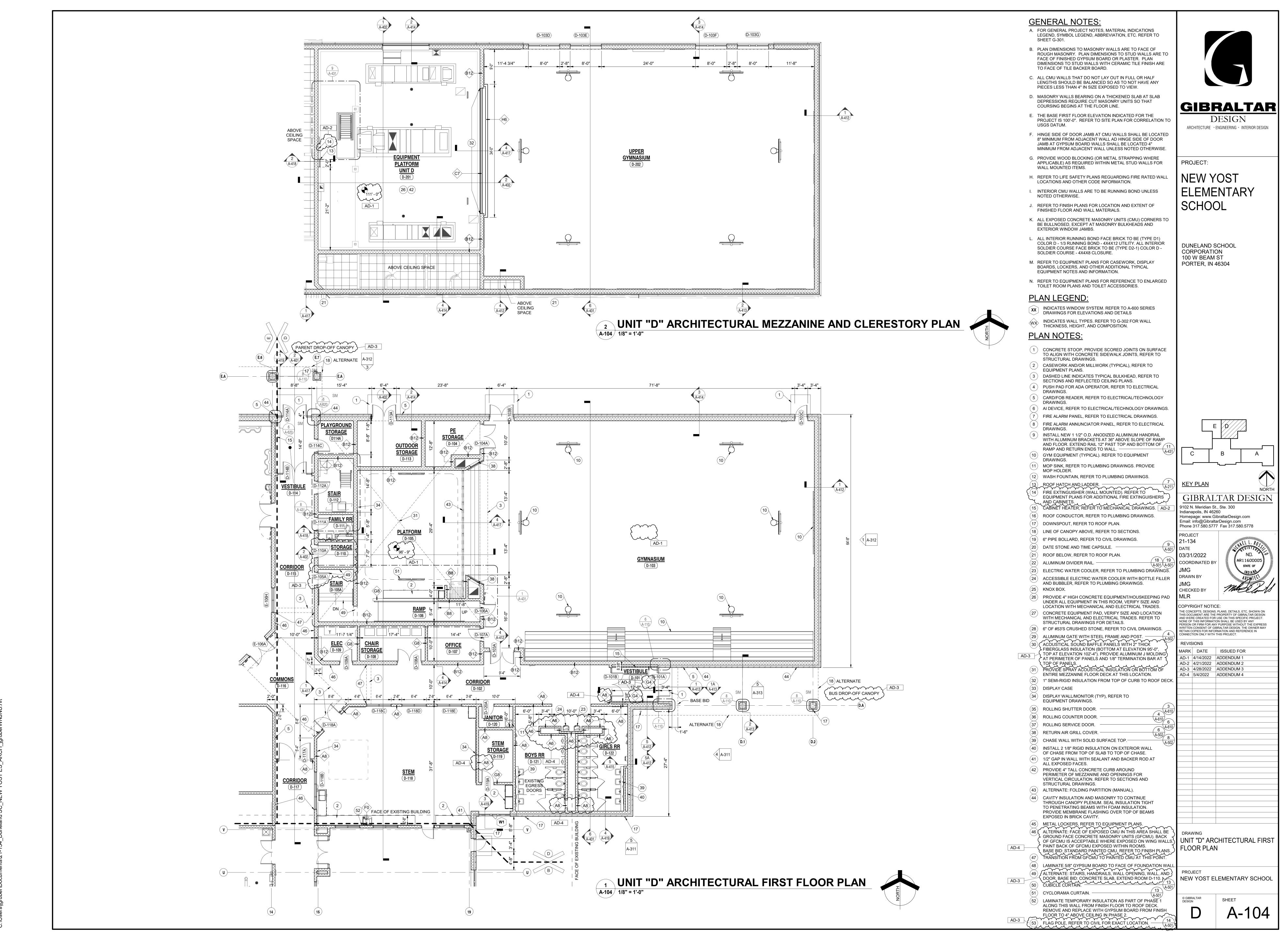
UNIT "C" ARCHITECTURAL FIRST FLOOR PLAN & UNIT "B" NEW YOST ELEMENTARY SCHOOL

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DRAWING

MEZZANINE PLAN





5/5/2022 10:06:53 AM



A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATION, ETC. REFER TO SHEET G-301.

TO FACE OF TILE BACKER BOARD.

B. PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN

DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE

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ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT:

**NEW YOST** 

DUNELAND SCHOOL

GIBRALTAR DESIGN

9102 N. Meridian St., Ste. 300 ndianapolis, IN 46260

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MARK DATE ISSUED FOR

AD-1 4/14/2022 ADDENDUM 1

AD-2 | 4/21/2022 | ADDENDUM 2

AD-3 4/28/2022 ADDENDUM 3

AD-4 5/4/2022 ADDENDUM 4

Homepage: www.GibraltarDesign.com Email: info@GibraltarDesign.com

Phone 317.580.5777 Fax 317.580.5778

CORPORATION

100 W BEAM ST

PORTER, IN 46304

**SCHOOL** 

**ELEMENTARY** 

- C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS TO NOT HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
- D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.
- E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.
- F. HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AD HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
- G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) AS REQUIRED WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.
- H. REFER TO LIFE SAFETY PLANS REGUARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.
- I. INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS NOTED OTHERWISE.
- J. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIALS.
- K. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.
- L. ALL INTERIOR RUNNING BOND FACE BRICK TO BE (TYPE D1) COLOR D - 1/3 RUNNING BOND - 4X4X12 UTILITY. ALL INTERIOR SOLDIER COURSE FACE BRICK TO BE (TYPE D2-1) COLOR D -SOLDIER COURSE - 4X4X8 CLOSURE.
- M. REFER TO EQUIPMENT PLANS FOR CASEWORK, DISPLAY BOARDS, LOCKERS, AND OTHER ADDITIONAL TYPICAL EQUIPMENT NOTES AND INFORMATION.
- N. REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.

## **PLAN LEGEND:**

- INDICATES WINDOW SYSTEM. REFER TO A-600 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS
- INDICATES WALL TYPES. REFER TO G-302 FOR WALL THICKNESS HEIGHT AND CONTROL OF THE THICKNESS, HEIGHT, AND COMPOSITION.

## **PLAN NOTES:**

- (1) CONCRETE STOOP, PROVIDE SCORED JOINTS ON SURFACE TO ALIGN WITH CONCRETE SIDEWALK JOINTS, REFER TO STRUCTURAL DRAWINGS.
- (2) CASEWORK AND/OR MILLWORK (TYPICAL), REFER TO
- EQUIPMENT PLANS. (3) DASHED LINE INDICATES TYPICAL BULKHEAD, REFER TO
- SECTIONS AND REFLECTED CEILING PLANS. (4) PUSH PAD FOR ADA OPERATOR, REFER TO ELECTRICAL
- (5) CARD/FOB READER, REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
- (6) AI DEVICE, REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
- FIRE ALARM PANEL, REFER TO ELECTRICAL DRAWINGS. 8 ) FIRE ALARM ANNUNCIATOR PANEL, REFER TO ELECTRICAL DRAWINGS.
- (9) INSTALL NEW 1 1/2" O.D. ANODIZED ALUMINUM HANDRAIL WITH ALUMINUM BRACKETS AT 36" ABOVE SLOPE OF RAMP
- AND FLOOR. EXTEND RAIL 12" PAST TOP AND BOTTOM OF RAMP AND RETURN ENDS TO WALL. -
- (10) GYM EQUIPMENT (TYPICAL). REFER TO EQUIPMENT DRAWINGS.
- 1) MOP SINK, REFER TO PLUMBING DRAWINGS. PROVIDE MOP HOLDER.
- 12) WASH FOUNTAIN, REFER TO PLUMBING DRAWINGS. 3) ROOF HATCH AND LADDER.

FIRE EXTINGUISHER (WALL MOUNTED). REFER TO

- **EQUIPMENT PLANS FOR ADDITIONAL FIRE EXTINGUISHERS** AND CABINETS.

  CABINET HEATER, REFER TO MECHANICAL DRAWINGS. AD-2
- ROOF CONDUCTOR, REFER TO PLUMBING DRAWINGS DOWNSPOUT, REFER TO ROOF PLAN.
- 8) LINE OF CANOPY ABOVE, REFER TO SECTIONS.
- 19) 6" PIPE BOLLARD, REFER TO CIVIL DRAWINGS. DATE STONE AND TIME CAPSULE.
- ROOF BELOW, REFER TO ROOF PLAN.
- ALUMINUM DIVIDER RAIL. ELECTRIC WATER COOLER, REFER TO PLUMBING DRAWINGS.
- ACCESSIBLE ELECTRIC WATER COOLER WITH BOTTLE FILLER AND BUBBLER, REFER TO PLUMBING DRAWINGS.
- (25) KNOX BOX. (26) PROVIDE 4" HIGH CONCRETE EQUIPMENT/HOUSKEEPING PAD
- UNDER ALL EQUIPMENT IN THIS ROOM, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES. (27) CONCRETE EQUIPMENT PAD, VERIFY SIZE AND LOCATION
- WITH MECHANICAL AND ELECTRICAL TRADES. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
- (28) 6" OF #53'S CRUSHED STONE, REFER TO CIVIL DRAWINGS. ALUMINUM GATE WITH STEEL FRAME AND POST. (ACOUSTICAL SOUND BAFFLE PANELS WITH 2" THICK
- FIBERGLASS INSULATION (BOTTOM AT ELEVATION 95'-0". TOP AT ELEVATION 102'-4"). PROVIDE ALUMINUM J MOLDING AT PERIMETER OF PANELS AND 1/8" TERMINATION BAR AT
- PROVIDE SPRAY ACOUSTICAL INSULATION ON BOTTOM OF ENTIRE MEZZANINE FLOOR DECK AT THIS LOCATION. (32)  $\,$  1" SEMI-RIGID INSULATION FROM TOP OF CURB TO ROOF DECK
- (33) DISPLAY CASE
- (34) DISPLAY WALL/MONITOR (TYP), REFER TO EQUIPMENT DRAWINGS.
- (35) ROLLING SHUTTER DOOR. (36) ROLLING COUNTER DOOR. ROLLING SERVICE DOOR.
- 88) RETURN AIR GRILL COVER. -39) CHASE WALL WITH SOLID SURFACE TOP.-
- OF CHASE FROM TOP OF SLAB TO TOP OF CHASE. (41) 1/2" GAP IN WALL WITH SEALANT AND BACKER ROD AT ALL EXPOSED FACES.
- (42) PROVIDE 4" TALL CONCRETE CURB AROUND PERIMETER OF MEZZANINE AND OPENINGS FOR VERTICAL CIRCULATION. REFER TO SECTIONS AND STRUCTURAL DRAWINGS.
- (43) ALTERNATE: FOLDING PARTITION (MANUAL). (44) CAVITY INSULATION AND MASONRY TO CONTINUE THROUGH CANOPY PLENUM. SEAL INSULATION TIGHT TO PENETRATING BEAMS WITH FOAM INSULATION. PROVIDE MEMBRANE FLASHING OVER TOP OF BEAMS

(40) INSTALL 2 1/8" RIGID INSULATION ON EXTERIOR WALL

- EXPOSED IN BRICK CAVITY. 45 METAL LOCKERS, REFER TO EQUIPMENT PLANS.

  46 ALTERNATE: FACE OF EXPOSED CMU IN THIS AREA SHALL BE GROUND FACE CONCRETE MASONRY UNITS (GFCMU). BACK OF GEOME IS ACCEPTABLE WHERE EXPOSED ON WING WALLS.) UNIT "E" ARCHITECTURAL FIRST PAINT BACK OF GFCMU EXPOSED WITHIN ROOMS.
- BASE BID: STANDARD PAINTED CMU. REFER TO FINISH PLANS.

  TRANSITION FROM GECMU TO PAINTED CMU AT THIS POINT. LAMINATE 5/8" GYPSUM BOARD TO FACE OF FOUNDATION WAL (49) {ALTERNATE: STAIRS, HANDRAILS, WALL OPENING, WALL, AND} كريم DOOR. BASE BID: CONCRETE SLAB, EXTEND ROOM D-110. إ

FLOOR TO 4" ABOVE CEILING IN PHASE 2.

53 FLAG POLE, REFER TO CIVIL FOR EXACT LOCATION.

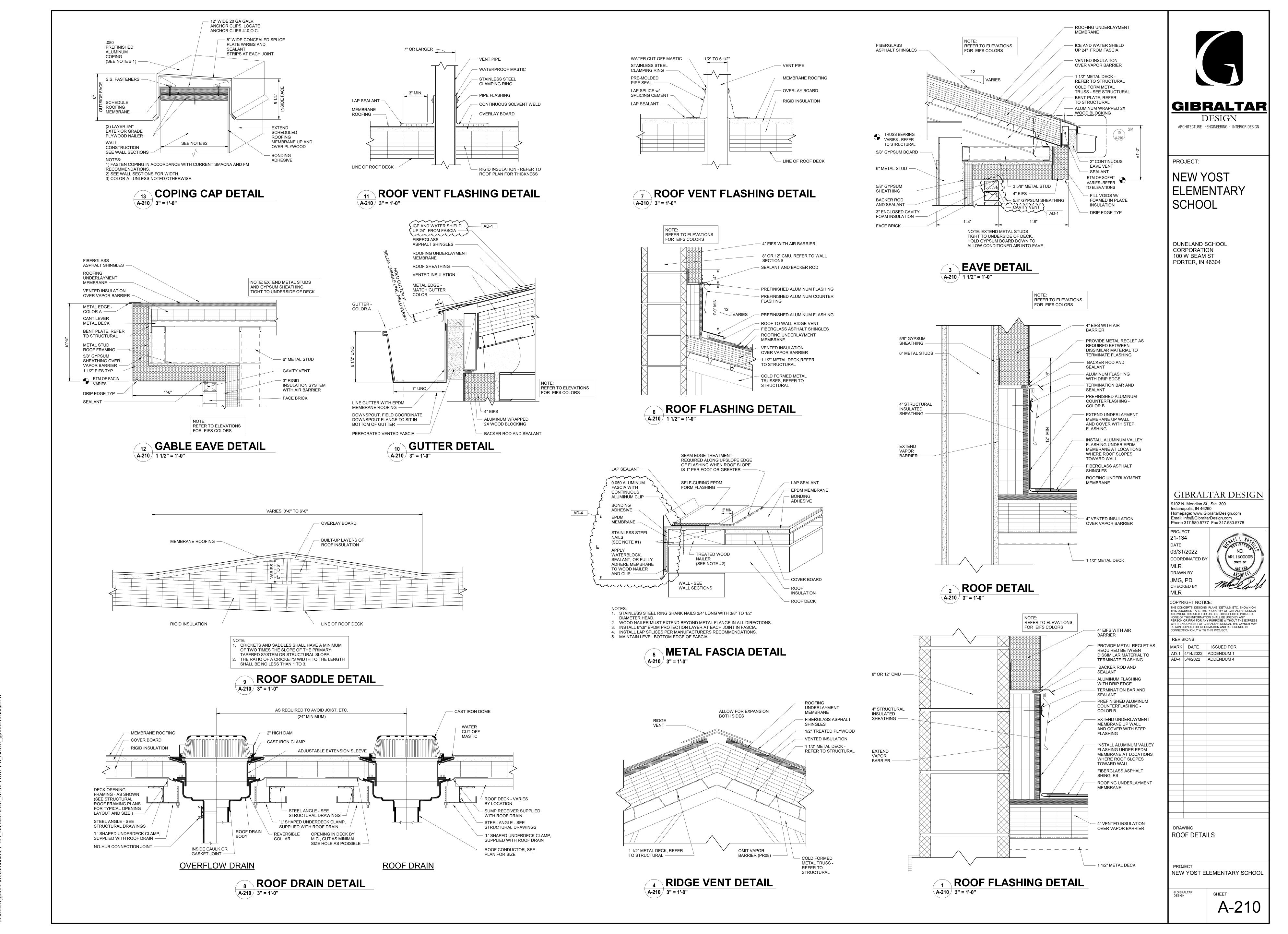
LAMINATE TEMPORARY INSULATION AS PART OF PHASE 1 ALONG THIS WALL FROM FINISH FLOOR TO ROOF DECK.

REMOVE AND REPLACE WITH GYPSUM BOARD FROM FINISH

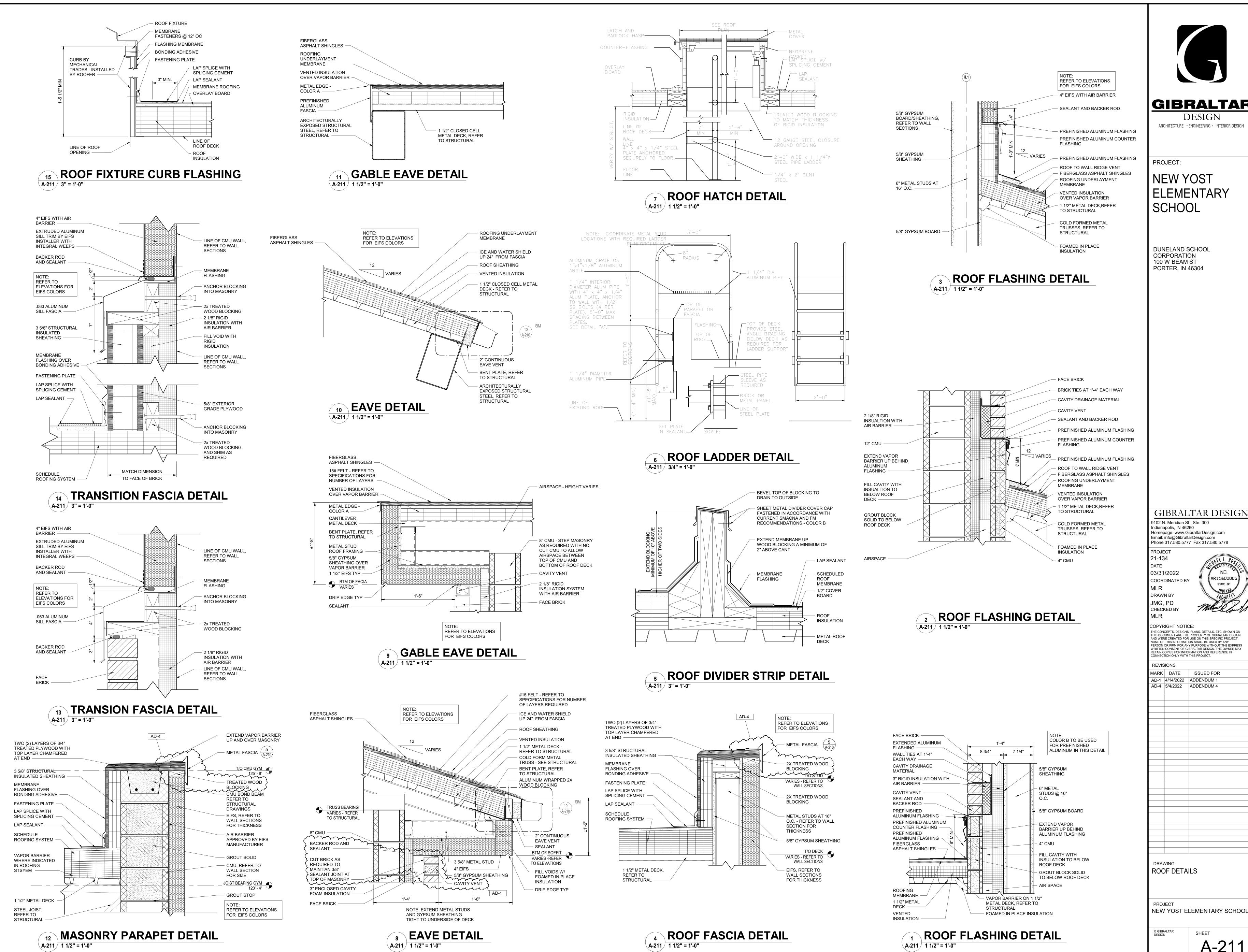
- NEW YOST ELEMENTARY SCHOOL CUBICLE CURTAIN. CYCLORAMA CURTAIN. -
  - SHEET

A-105

UNIT "E" ARCHITECTURAL FIRST FLOOR PLAN



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SHEET A-211

**GIBRALTAR** 

**DESIGN** 

**NEW YOST ELEMENTARY** SCHOOL

DUNELAND SCHOOL CORPORATION 100 W BEAM ST PORTER, IN 46304

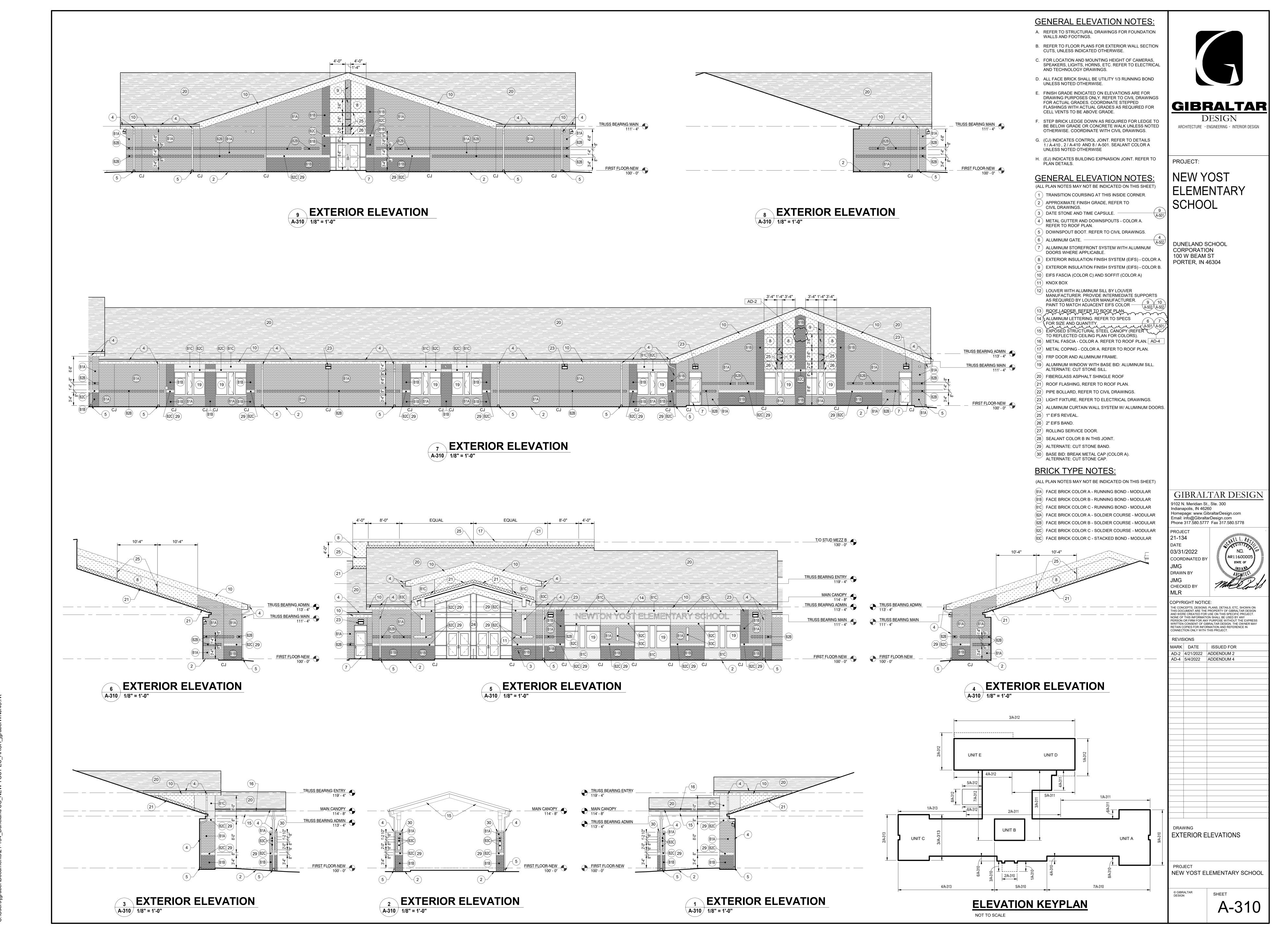
GIBRALTAR DESIGN 9102 N. Meridian St., Ste. 300 Indianapolis, IN 46260 Homepage: www.GibraltarDesign.com Email: info@GibraltarDesign.com Phone 317.580.5777 Fax 317.580.5778

21-134 03/31/2022 **COORDINATED BY** DRAWN BY JMG, PD CHECKED BY

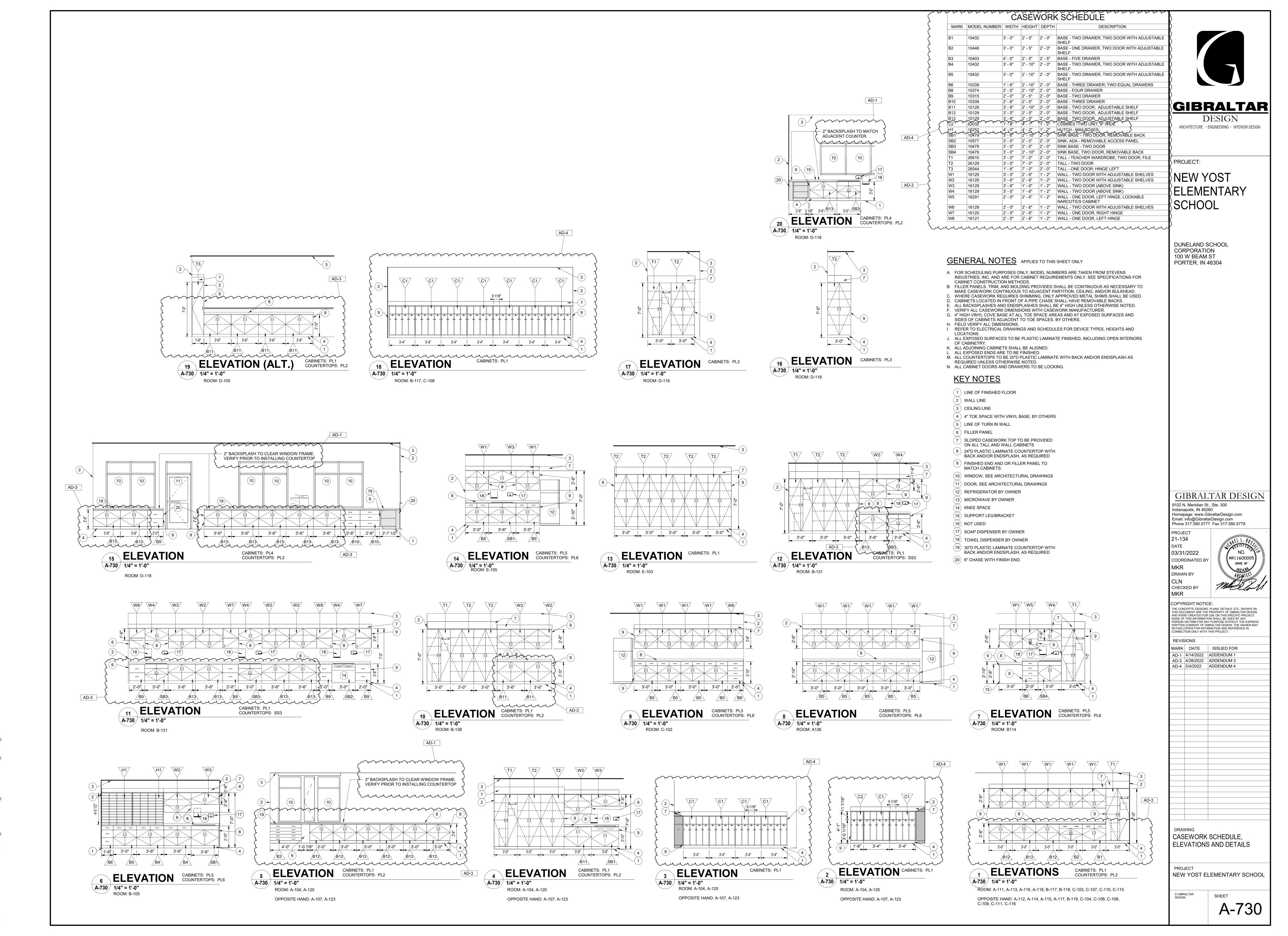
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- A. PRIOR TO INSTALLATION OF NEW FINISHES, CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE, THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO RECTIFY THE SITUATION OR CONTACT THE ARCHITECT WITH THE CONCERN. PROCEEDING WITH THE INSTALLATION OF FINISHES WILL BE CONSTRUED THAT THE INSTALLER AND/OR FINISHER HAS ACCEPTED SAID SUBSTRATE. NO CHANGE ORDER WILL BE ISSUED TO RECTIFY CONCEALED OR UNSATISFACTORY SUBSTRATE ONCE FINISH WORK HAS PROCEEDED.
- B. ALL FLOORING IS TO BE LEVELED WITHIN 1/4" IN 10'-0" WITH LATEX MATERIAL. MOISTURE CONTENT IN AREA IS TO BE TESTED PRIOR TO INSTALLATION OF FLOORING MATERIAL. CONTRACTOR TO INSTALL FLOORING PER MANUFACTURER'S RECOMMENDED METHOD.
- C. FLOORING CONTRACTOR TO SUBMIT A SEAMING DIAGRAM FOR FLOORING MATERIALS, INCLUDING NOTATION OF MATERIAL DIRECTION.
- D. ALL FLOORING TRANSITIONS SHALL COMPLY WITH ADA GUIDELINES.
- E. FOR FLOOR FINISH TRANSITION DETAILS, REFER TO 11/A-501. FOR GYMNASIUM FLOOR BASE FLOOR TRANSITIONS, REFER TO 12/A-501
- F. CONTRACTOR TO PROVIDE AND INSTALL FLOORING TRANSITIONS AS INDICATED ON FINISH PLAN. WHERE NONE ARE NOTED, CONTRACTOR TO VERIFY REQUIRED TYPE/COLOR WITH DESIGNER.
- G. SEE SHEET A-820 FOR FINISH LEGEND AND ADDITIONAL INFORMATION.H. PAINT ALL DOOR FRAMES P7- ALL SIDES UNLESS NOTED
- OTHERWISE.

  I. EXPOSED DUCTWORK AND PIPING TO BE PAINTED TO MATCH
- J. REFER TO REFLECTED CEILING PLAN AND INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.

ADJACENT SURFACES, UNLESS NOTED OTHERWISE.

K. REFER TO PROJECT MANUAL FOR FINISH LEVEL REQUIREMENTS FOR GYPSUM BOARD SURFACES, UNLESS OTHERWISE INDICATED.

## FINISH SYMBOL LEGEND

P1 <del>▼</del>	— WALL FINISH
C1 -	- FLOOR FINISH
B1 <b>→</b>	— BASE FINISH
	MISC FINISH INFORMAT

C1 FLOOR MATERIAL TRANSITION

## PLAN NOTES

1 WALLCOVERING OVER 1/8" TACKABLE WALL.

2 NOT USED

3 ACOUSTICAL PANEL, SEE INTERIOR ELEVATIONS

(4) METAL EDGE TRIM TO END TACKABLE WALL.

## **FINISH NOTES**

- (10) WALL TILE PATTERN, REFER TO 5/A-863
- WALL TILE, WT1 ONE COLOR TILE ONLY. REFER TO 6/A863 FOR TILE PATTERN.
- (12) WALL TILE, WT2 INSTALL TILE PATTERN STACKED.
- (13) WALL TILE, WT7
- (14) WALL TILE, WT8
- (15) WALLCOATING, W7
- PAINT, P3
- 17 PAINT, P5
- (18) WALLCOATING, W5
- 19 WALL TILE PATTERN, REFER TO 6/A-863

  20 WALL TILE 6, WT6, REFER TO 8/A-863
- ) WALLCOATING, W7
- 22) DIGITAL WALL GRAPHIC V
- DIGITAL WALL GRAPHIC, WC4

(25) STAIR TREADS AND RISERS, ST

mmmm

- SEE FLOOR PATTERN PLAN. 1/A-830
   WALL TILE, WT8 WITH WALLCOATIONG W1 ABOVE. SEE ELEVATION 3/A-863 FOR PATTERN.
- 26 PAINT, P2

GIBRALTAR

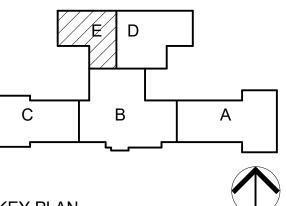
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PROJECT:

NEW YOST ELEMENTARY SCHOOL

DUNELAND SCHOOL CORPORATION 100 W BEAM ST PORTER, IN 46304



KEY PLAN

NORTH

GIBRALTAR DESIGN

9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homopogo: Warry Gibralter Design com

Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

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AD-3 4/28/2022 ADDENDUM 3
AD-4 5/4/2022 ADDENDUM 4

DRAWING
UNIT "E" FIRST FLOOR FINISH
PLAN

PROJECT
NEW YOST ELEMENTARY SCHOOL

GIBRALTAR ESIGN

A-805

1 UNIT "E" FIRST FLOOR FINISH PLAN
A-805 1/8" = 1'-0"



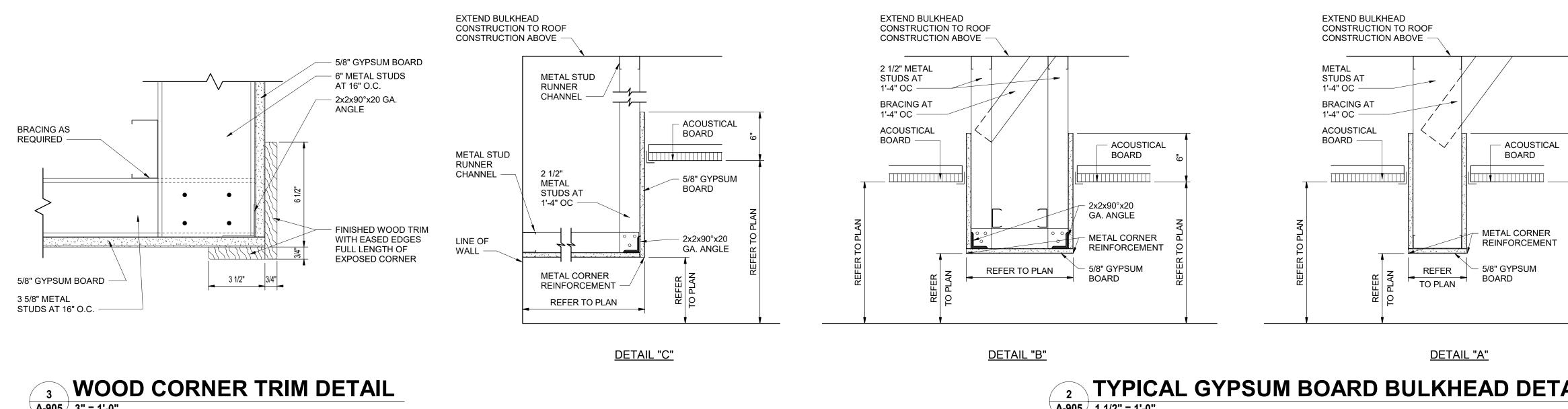
ELEMENTARY

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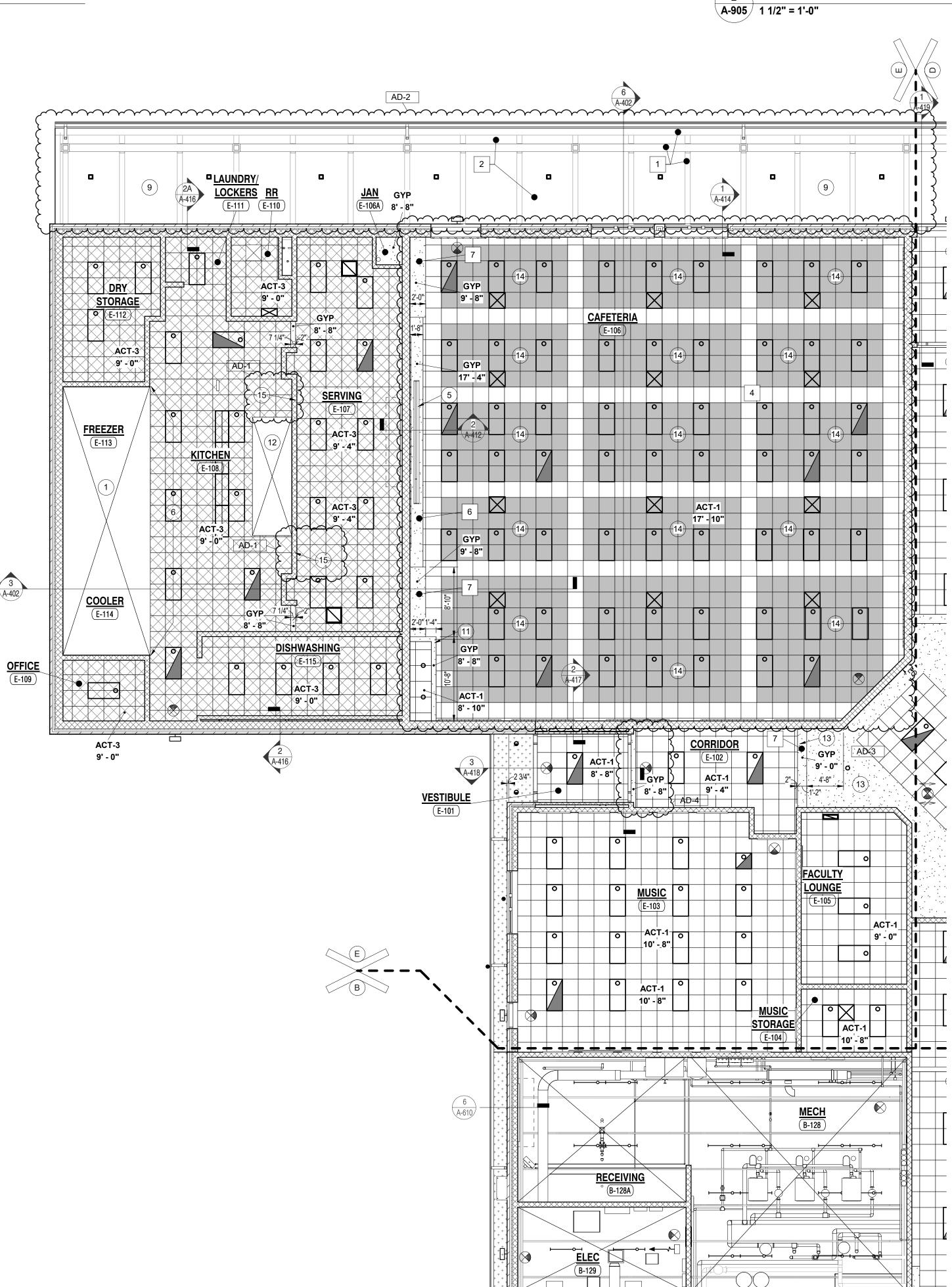
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A-830

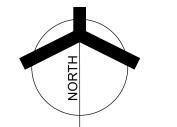


TYPICAL GYPSUM BOARD BULKHEAD DETAILS



UNIT "E" FIRST FLOOR REFLECTED CEILING PLAN

A-905 1/8" = 1'-0"



**GENERAL NOTES** 

- A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO SHEET G-301.
- B. THE ARCHITECTURAL REFLECTED CEILING PLANS GOVERN THE LAYOUT OF ALL CEILING ELEMENTS AND PENETRATIONS.
- C. BULKHEAD FRAMING SHALL BE ATTACHED TO STRUCTURAL
- SUPPORTS AND NOT THE ROOF DECK. D. REFER TO FLOOR PLANS FOR WALL TYPES.
- E. REFER TO FIRE PROTECTION DRAWINGS FOR SPRINKLER HEAD TYPES AND QUANTITIES. HEADS HAVE INTENTIONALLY BEEN OMITTED FOR CLARITY.
- F. CEILING ACCESS PANELS INDICATED ARE NOT INTENDED TO LIMIT NUMBER OF PANELS REQUIRED. PANEL QUANTITY SHALL BE SUFFICIENT TO PROVIDE REQUIRED ACCESS WHETHER OR NOT INDICATED ON THE DRAWINGS. VERIFY FINAL LOCATIONS WITH ARCHITECT PRIOR TO STARTING WORK.
- G. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPE AND QUANTITIES.
- H. REFER TO MECHANICAL DRAWINGS FOR DIFFUSERS, GRILL TYPES AND QUANTITIES - ALL MECHANICAL ITEMS MAY NOT BE INDICATED
- REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.
- REFER TO FINISH LEGEND FOR ACOUSTICAL CEILING TILE BASIS OF DESIGN. WHERE 2X4 "SECOND LOOK" TILE IS SPECIFIED INSTALL AS REQUIRED TO ACHIEVE 2X2 LOOK AS SHOWN.

ACT-1

ACT-2

**ELEMENTARY** menument in the second **CEILING LEGEND** AD-3 SCHOOL

LIGHT FIXTURE SUPPLY AIR DIFFUSER REGISTER

RETURN OR EXHAUST EXHAUST REGISTER EIFS SOFFIT - REFER TO **ELEVATIONS FOR COLOR** 

AND WALL SECTIONS

GYPSUM BOARD CEILING OR BULKHEAD, REFER TO TYPICAL BULKHEAD DETAILS (2 / A-905)

## REFLECTED CEILING PLAN **KEYED NOTES:**

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET)

- 1 ) OPEN TO STRUCTURE ABOVE NO CEILING REQUIRED. GYM EQUIPMENT (TYPICAL), REFER TO EQUIPMENT DRAWINGS.
- APPOXIMATE POSITION OF RETRACTED BASKETBALL GOAL.
- 4 ) CMU LINTEL AT 108'-8". PROJECTION SCREEN, REFER TO TECHNOLOGY (16)
- DRAWINGS AND DETAIL.-
- (6) 4"X4" STAINLESS STEEL CLOSURE TRIM BETWEEN FACE OF COOLER AND CEILING GRID.
- (7) ALTERNATE: OPERABLE PARTITION.
- (8) ALTERNATE: OPERABLE PARTITION. BASE BID: STAGE CURTAIN AND VALANCE.
- 9 ARCHITECTURALLY EXPOSED STRUCTURAL STEEL CANOPY. REFER TO FLOOR PLAN FOR BASE BID OR ALTERNATE.
- INSTALL CEILING GRID WITH FULL TILE ALONG THIS WALL.
- 12) EXHAUST HOOD, NO CEILING REQUIRED. COORDINATE EXACT SIZE AND LOCATION WITH KITCHEN AND
- MECHANICAL DRAWINGS. (13) GYPSUM BOARD BULKHEAD. OUTSIDE OF HATCHED AREAS IN THIS ROOM. GRID
- (14) INSTALL ACT-1 WITHIN AND OMIT CEILING PADS TO BE CONTINUOUS

  (15) CMU LINTEL AT 107'-4".

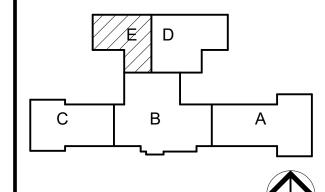
  AD-1

## GENERAL REFLECTED CEILING **FINISH NOTES:**

- A. UNLESS NOTED OTHERWISE, GYPSUM BOARD AND/OR PLASTER CEILINGS AND BULKHEADS TO BE PAINTED P?
- B. UNLESS NOTED OTHERWISE, ALL EXPOSED STRUCTURE, DECK, MECHANICAL, AND ELECTRICAL TO BE PAINTED P?

## REFLECTED CEILING **FINISH NOTES:**

- (ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET)
- 1 PAINT EXPOSED CANOPY STEEL TO MATCH FASCIA AND COPING METAL COLOR A ON ALL EXPOSED SIDES.
- 2 PAINT EXPOSED CANOPY DECK P10 ON ALL EXPOSED SIDES.
- 3 PAINT ROOF DECK, STRUCTURE, PIPING, CONDUIT, AND DUCTWORK P8 ON ALL EXPOSED SIDES. 4 PAINT ROOF DECK, STRUCTURE, PIPING, CONDUIT, AND DUCTWORK
- P9 ON ALL EXPOSED SIDES.
- 5 PAINT BULKHEAD P2 ON ALL EXPOSED SIDES.
- 6 PAINT BULKHEAD P3 ON ALL EXPOSED SIDES.
- 7 PAINT BULKHEAD P1 ON ALL EXPOSED SIDES.
- 8 PAINT BULKHEAD P5 ON ALL EXPOSED SIDES.



**GIBRALTAR** 

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ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT:

DUNELAND SCHOOL

CORPORATION 100 W BEAM ST

PORTER, IN 46304

KEY PLAN GIBRALTAR DESIGN 9102 N. Meridian St., Ste. 300 Indianapolis, IN 46260 Homepage: www.GibraltarDesign.com

Email: info@GibraltarDesign.com Phone 317.580.5777 Fax 317.580.5778 PROJECT 21-134 03/31/2022 COORDINATED BY

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UNIT "E" FIRST FLOOR REFLECTED CEILING PLAN AND

NEW YOST ELEMENTARY SCHOOL

A-905