CSARCH

Bid Addendum No. 4

November 19, 2024
Valley Central School District 2023 Capital Project – Phase 1
CSArch Project No. 187-2302.01
SED Control No. Varies

Architect's Seal

This Bid Addendum No. 4 forms part of the Contract Documents and modifies the original bidding documents dated October 18, 2024. Bid Addendum No. 3 consists of (4) cover sheet page, (6) specification sections, (29) full size 30"x42" drawing sheets, and responses to bidder requests for information.

GENERAL INFORMATION

1. Bid Addendum No. 1 was issued to bidders on October 25, 2024.
2. Bid Addendum No. 2 was issued to bidders on November 1, 2024.
3. Bid Addendum No. 3 was issued to bidders on November 8, 2024.
4. Bid Addendum No. 4 was issued to bidders on November 19, 2024.

REVISIONS TO THE PROJECT MANUAL

1. **DELETE** previously revised specification section 000110 – Table of Contents. **REPLACE** with the attached revised specification section 000110 – Table of Contents.
2. **DELETE** previously revised specification section 000115 – List of Drawing Sheets. **REPLACE** with the attached revised specification section 000115 – List of Drawing Sheets.
3. **ADD** attached new specification section 011200.03 – Vendor (Siemens) Supplied HVAC Controls Schedule.
4. **DELETE** original specification section 012100 - Allowances. **REPLACE** with the attached revised specification section 012100 - Allowances.
5. **DELETE** original specification section 012300 - Alternates. **REPLACE** with the attached revised specification section 012300 - Alternates.
6. **DELETE** original specification section 283100 – Fire Detection and Alarm. **REPLACE** with the attached revised specification section 283100 – Fire Detection and Alarm.

REVISIONS TO THE CONSTRUCTION DRAWINGS

VOLUME 01 OF 08 – BEREA ELEMENTARY SCHOOL

1. **DELETE** previously revised drawing sheet BES G000. **REPLACE** with attached revised drawing sheet BES G000.
2. **DELETE** original drawing sheet BES C100. **REPLACE** with attached revised drawing sheet BES C100.
3. **DELETE** original drawing sheet BES C130. **REPLACE** with attached revised drawing sheet BES C130.

4. **DELETE** original drawing sheet BES C530. **REPLACE** with attached revised drawing sheet BES C530.
5. **DELETE** previously revised drawing sheet BES A111. **REPLACE** with attached revised drawing sheet BES A111.
6. **ADD** new drawing sheet BES A401.
7. **DELETE** original drawing sheet BES AF001. **REPLACE** with attached revised drawing sheet BES AF001.
8. **DELETE** original drawing sheet BES AF111. **REPLACE** with attached revised drawing sheet BES AF111.
9. **DELETE** original drawing sheet BES AF112. **REPLACE** with attached revised drawing sheet BES AF112.
10. **ADD** new drawing sheet BES M201.
11. **ADD** new drawing sheet BES E201.

VOLUME 02 OF 08 – EAST COLDENHAM ELEMENTARY SCHOOL

1. **DELETE** original drawing sheet ECES AF111. **REPLACE** with attached revised drawing sheet ECES AF111.

VOLUME 03 OF 08 – MONTGOMERY ELEMENTARY SCHOOL

1. **DELETE** original drawing sheet MES AF111. **REPLACE** with attached revised drawing sheet MES AF111.

VOLUME 04 OF 08 – MAYBROOK ALTERNATIVE LEARNING CENTER

1. **DELETE** original drawing sheet MAY AF121. **REPLACE** with attached revised drawing sheet MAY AF121.

VOLUME 05 OF 08 – VALLEY CENTRAL HIGH SCHOOL

1. **DELETE** previously revised drawing sheet VCHS G000. **REPLACE** with attached revised drawing sheet VCHS G000.
2. **DELETE** original drawing sheet VCHS AA300 in its entirety.
3. **DELETE** previously revised drawing sheet VCHS AD112. **REPLACE** with attached revised drawing sheet VCHS AD112.
4. **DELETE** previously revised drawing sheet VCHS A112. **REPLACE** with attached revised drawing sheet VCHS A112.
5. **DELETE** original drawing sheet VCHS AF001. **REPLACE** with attached revised drawing sheet VCHS AF001.
6. **DELETE** original drawing sheet VCHS AF112. **REPLACE** with attached revised drawing sheet VCHS AF112.
7. **DELETE** previously revised drawing sheet VCHS M003. **REPLACE** with attached revised drawing sheet VCHS M003.
8. **DELETE** previously revised drawing sheet VCHS MD212. **REPLACE** with attached revised drawing sheet VCHS MD212.
9. **DELETE** previously revised drawing sheet VCHS M212. **REPLACE** with attached revised drawing sheet VCHS M212.
10. **DELETE** previously revised drawing sheet VCHS ED211. **REPLACE** with attached revised drawing sheet VCHS ED211.

11. **DELETE** previously revised drawing sheet VCHS E211. **REPLACE** with attached revised drawing sheet VCHS E211.
12. **DELETE** previously revised drawing sheet VCHS E301. **REPLACE** with attached revised drawing sheet VCHS E301.

VOLUME 06 OF 08 – VALLEY CENTRAL MIDDLE SCHOOL

1. **DELETE** original drawing sheet VCMS AF111. **REPLACE** with attached revised drawing sheet VCMS AF111.

VOLUME 07 OF 08 – WALDEN ELEMENTARY SCHOOL

1. **DELETE** original drawing sheet WES AA100. **REPLACE** with attached revised drawing sheet WES AA100.
2. **DELETE** previously revised drawing sheet WES AD111. **REPLACE** with attached revised drawing sheet WES AD111.
3. **DELETE** original drawing sheet WES AF111. **REPLACE** with attached revised drawing sheet WES AF111.

VOLUME 08 OF 08 – ADMINISTRATION BUILDING

1. N/A

RESPONSES TO BIDDER REQUESTS FOR INFORMATION

1. Who is currently running the BMS System at the schools listed
    a. *Response: HVAC controls are provided by Owner unless otherwise noted in the documents. Vendor is either Siemens or Trane depending on the building. Refer to the revised DDC Temperature Controls Notes released in Addendum #2 on the mechanical sheets for each building. Also Refer to Addendum #3 and #4 for scope of work for Siemens and Trane.*

2. Did the school district pre purchase all Trane and Mitsubishi Mechanical Equipment and or all the Mechanicals including furnaces and boilers from Lochinvar
    a. *Response: District has pre-purchased some of the equipment, the remainder should be furnished by the Mechanical Contractor. Refer to Trane Equipment proposals in Addendum #3 for a detailed listing of all equipment that is being furnished by the Owner.*

3. In the bid form do we add the allowance, alternate, unit price to our base bid price? I do not see it on the bid 012200/012100/012300 form nor in the specs. Please make clarification of this as we are preparing our bids.
    a. *Response: Allowances to be provided as part of the the Base Bid value. Alternates to be provided in addition to the Base Bid value and shall be listed on Bid Forms. Unit Prices will be utilized in all Base Bid and Alternate work. Prices to be included on Bid Forms.Refer to clarifications on Allowances & Alternates in Bid Addendum #4.*

4. Please specify the existing fire alarm on East Coldenham & Admin Bldg. It does not specify in any on the plans or specs. Please advise ASAP.

    a. *Response: Please refer to revised Section 283100 in Addendum #4, information has been added regarding the existing fire alarm system in each building.*

5. We reached out to Technical Glass Products (TGP), the basis of design for the required fire-rated assemblies on this project. Their response is as follows:
   - The Designer Series with FireLite forced-entry glazing is available but limits the span to 13'-6". This glazing is not bullet-resistant; it prevents physical breach but allows projectiles to pass through.

   - Alternatively, they can provide FireFrames, but this system lacks security glazing. A separate film would be needed to achieve any security rating.

   Please advise on how you would like us to proceed.

    a. *Response: If glazing system assembly cannot be provided to obtain the fire rating and ballistic rating specified, provide fire rated glazing (rating to match required storefront system fire-rating) with security film applied to glazing to meet ballistic rating specified.*

6. On Sheet WES AF111 for the Main Office (Room 11), two floor finishes (LVT-1 and CPT-1) are specified. However, only LVT-1 is represented in the hatch pattern on the drawing. Could you please confirm if CPT-1 is required in the floor finish?

    a. *Response: Refer to revisions to floor finishes in Bid Addendum #4.*

7. Addendum #3 Specification Section 028213- C Summary of Work Table 5 shows VCHS AA300 as 50 sq/ft of estimated removal, when you refer to Drawing VCHS AA300 Legend shows 625 sq/ft but does not show where this occurs. Please clarify what sq/ft is required to be removed and where this occurs.

    a. *Response: Subsequent testing has been completed and Roofing at Valley Central High School is negative for ACM. Drawing sheet AA300 will be deleted in its entirety in Bid Addendum #4.*

END OF BID ADDENDUM NO. 4

SECTION 000110 - TABLE OF CONTENTS

VOLUME 01 OF 03 - DIVISION 00 - 02

PROCUREMENT AND CONTRACTING REQUIREMENTS

VOLUME 02 OF 03 - DIVISION 03 - 34

END OF SECTION

SECTION 000115 - LIST OF DRAWING SHEETS

VOLUME 01 OF 08 - BEREA ELEMENTARY SCHOOL (BES)

GENERAL DRAWINGS

BES	G000	COVER & SHEET INDEX
BES	G001	SYMBOLS, ABBREVIATIONS, MISC AND PARTITION TYPES
BES	G111	OVERALL FLOOR PLAN - FIRST FLOOR

LIFE SAFETY DRAWINGS

BES	LS111	LIFE SAFETY PLANS - FIRST FLOOR
BES	LS112	SMOKE ZONE PLANS

HAZARDOUS MATERIALS DRAWINGS

BES	AA100	ASBESTOS ABATEMENT FIRST FLOOR AREA A

CIVIL DRAWINGS

BES	C100	KEY PLAN
BES	C130	SITE, GRADING AND ESC PLAN
BES	C530	DETAILS

ARCHITECTURAL DEMOLITION DRAWINGS

BES	AD111	REMOVALS PLAN - FIRST FLOOR - AREA A
BES	AD121	REMOVALS PLAN - FIRST FLOOR - AREA B
BES	AD811	REFLECTED CEILING DEMO PLAN - FIRST FLOOR AREA A
BES	AD812	REFLECTED CEILING DEMO PLAN - FIRST FLOOR AREAB

ARCHITECTURAL DRAWINGS

BES	A111	ENLARGED FLOOR PLAN - FIRST FLOOR - AREA A
BES	A112	ENLARGED FLOOR PLAN - FIRST FLOOR - AREAB
BES	A201	EXTERIOR ELEVATIONS
BES	A202	EXTERIOR ELEVATIONS
BES	A351	PLAN AND SECTION DETAILS
BES	A401	ROOF PLAN AND DETAILS 4
BES	A601	ENLARGED PLAN AND INTERIOR ELEVATIONS
BES	A602	ENLARGED PLAN AND INTERIOR ELEVATIONS

ARCHITECTURAL DRAWINGS

BES	A651	CASEWORK DETAILS
BES	A811	REFLECTED CEILING PLAN - FIRST FLOOR AREA A
BES	A812	REFLECTED CEILING PLAN - FIRST FLOOR AREAB
BES	A901	DOOR, WINDOW, & STOREFRONT DETAILS

ARCHITECTURAL FINISH DRAWINGS

BES	AF001	MATERIAL SCHEDULE
BES	AF002	SIGNAGE TYPES AND SCHEDULE
BES	AF111	ENLARGED FLOOR FINISHES PLAN - FIRST FLOOR - AREA A
BES	AF112	ENLARGED FLOOR FINISHES PLAN - FIRST FLOOR - AREA B

FURNITURE DRAWINGS

BES	FE111	FLOOR FURNITURE PLAN - FIRST FLOOR - AREA A

PLUMBING GENERAL DRAWINGS

BES	P001	PLUMBING NOTES, SCHEDULE, LEGEND, & DETAILS

PLUMBING DEMOLITION DRAWINGS

BES	PD111	PLUMBING DEMOLITION PLAN - PART 1
BES	PD112	PLUMBING DEMOLITION PLAN - PART 2

PLUMBING DRAWINGS

BES	P111	PLUMBING PLAN - PART 1
BES	P112	PLUMBING PLAN - PART 2

MECHANICAL GENERAL DRAWINGS

BES	M001	MECHANICAL NOTES, LEGENDS, SCHEDULES & DETAILS
BES	M002	MECHANICAL SCHEDULES & DETAILS

MECHANICAL DEMOLITON DRAWINGS

BES	MD111	MECHANICAL DEMOLITION PLAN - PART 1
BES	MD112	MECHANICAL DEMOLITION PLAN - PART 2

MECHANICAL DRAWINGS

BES	M111	MECHANICAL PLAN - PART 1
BES	M112	MECHANICAL PLAN - PART 2
BES	M201	MECHANICAL ROOF PLAN 4

MECHANICAL DRAWINGS

ELECTRICAL GENERAL DRAWINGS

BES E001 ELECTRICAL NOTES, LEGENDS,SCHEDULES & DETAILS

ELECTRICAL DEMOLITION DRAWINGS

BES ED111 ELECTRICAL DEMOLITION PLAN - PART 1

BES ED112 ELECTRICAL DEMOLITION PLAN - PART 2

ELECTRICAL DRAWINGS

BES E111 ELECTRICAL PLAN - PART 1

BES E112 ELECTRICAL PLAN - PART 2

BES E201 ELECTRICAL ROOF PLAN 4

BES E211 LIGHTING PLAN - PART 1

BES E212 LIGHTING PLAN - PART2

VOLUME 02 OF 08 - EAST COLDENHAM ELEMENTARY SCHOOL (ECES)

GENERAL DRAWINGS

ECES G000 COVER & SHEET INDEX

ECES G001 SYMBOLS, ABBREVIATIONS, MISC, AND PARTITION TYPES

ECES G111 OVERALL FLOOR PLAN - FIRST FLOOR

LIFE SAFETY DRAWINGS

ECES LS111 LIFE SAFETY PLAN - FIRST FLOOR

ECES LS112 SMOKE ZONE PLANS

HAZARDOUS MATERIALS DRAWINGS

ECES AA100 ASBESTOS ABATEMENT FIRST FLOOR AREA A

ARCHITECTURAL DEMOLITION DRAWINGS

ECES AD111 ENLARGED REMOVAL PLAN AND RCP

ARCHITECTURAL DRAWINGS

ECES A111 ENLARGED FLOOR PLAN, RCP AND DETAILS

ECES A201 EXTERIOR ELEVATIONS

ECES A202 EXTERIOR ELEVATIONS

ARCHITECTURAL DRAWINGS

ECES A901 DOOR, WINDOW, & STOREFRONT DETAILS

ARCHITECTURAL FINISH DRAWINGS

ECES AF001 SIGNAGE TYPES AND SCHEDULE

MECHANICAL GENERAL DRAWINGS

ECES M001 MECHANICAL NOTES, LEGENDS, SCHEDULES & DETAILS

MECHANICAL DEMOLITION DRAWINGS

ECES MD111 MECHANICAL DEMOLITION PLAN

MECHANICAL DRAWINGS

ECES M111 MECHANICAL PLAN

ELECTRICAL GENERAL DRAWINGS

ECES E001 ELECTRICAL NOTES, LEGENDS, DETAILS & SCHEDULES

ELECTRICAL DEMOLITION DRAWINGS

ECES ED111 ELECTRICAL DEMOLITION PLAN

ELECTRICAL DRAWINGS

ECES E111 ELECTRICAL PLAN

VOLUME 03 OF 08 - MONTGOMERY ELEMENTARY SCHOOL (MES)

GENERAL DRAWINGS

MES G000 COVER & SHEET INDEX
MES G001 SYMBOLS, ABBREVIATIONS, MISC, AND PARTITION TYPES
MES G111 OVERALL FLOOR PLAN - FIRST FLOOR

LIFE SAFETY DEMOLITION DRAWINGS

MES LS111 FIRST FLOOR LIFE SAFETY PLAN
MES LS112 SMOKE ZONE PLANS

HAZARDOUS MATERIALS DRAWINGS

MES AA100 ASBESTOS ABATEMENT FIRST FLOOR AREA C

ARCHITECTURAL DEMOLITION DRAWINGS

MES AD111 ENLARGED REMOVAL PLAN - FIRST FLOOR - AREA C

ARCHITECTURAL DRAWINGS

MES A111 ENLARGED NEW WORK PLAN - FIRST FLOOR - AREA C
MES A201 EXTERIOR ELEVATIONS
MES A202 EXTERIOR ELEVATIONS
MES A811 REFLECTED CEILING PLAN - FIRST FLOOR - AREA C
MES A901 DOOR, WINDOW, & STOREFRONT DETAILS

ARCHITECTURAL FINISH DRAWINGS

MES AF001 SIGNAGE TYPES AND SCHEDULE
MES AF111 MATERIAL SCHEDULE & FLOOR FINISHES PLAN - AREA C

PLUMBING DRAWINGS

MES P001 PLUMBING NOTES, SCHEDULE, LEGEND & DETAILS

PLUMBING DRAWINGS

MES P111 PLUMBING PLANS

MECHANICAL GENERAL DRAWINGS

MES M001 MECHANICAL NOTES, LEGENDS, SCHEDULES & DETAILS

MECHANICAL DEMOLITION DRAWINGS

MES MD111 MECHANICAL DEMOLITION PLAN

MECHANICAL DRAWINGS

MES M111 MECHANICAL PLAN

ELECTRICAL GENERAL DRAWINGS

MES E001 ELECTRICAL NOTES, LEGEND, SCHEDULES & DETAILS

ELECTRICAL DEMOLITION DRAWINGS

MES ED111 ELECTRICAL DEMOLITION PLAN

ELECTRICAL DRAWINGS

MES E111 ELECTRICAL PLAN

VOLUME 04 OF 08 - MAYBROOK ALTERNATIVE LEARNING CENTER (MAY)

GENERAL DRAWINGS

MAY G000 COVER & SHEET INDEX
MAY G001 SYMBOLS, ABBREVIATIONS, MISC, AND PARTITION TYPES
MAY G111 OVERALL FLOOR PLAN - FIRST FLOOR

LIFE SAFETY DRAWINGS

MAY LS111 LIFE SAFETY PLAN - FIRST FLOOR
MAY LS112 SMOKE ZONE PLANS

HAZARDOUS MATERIALS DRAWINGS

MAY AA100 ASBESTOS ABATEMENT FIRST FLOOR AREA A

ARCHITECTURAL DEMOLITION DRAWINGS

MAY AD121 ENLARGED REMOVAL PLAN - FIRST FLOOR - AREA A
MAY AD821 REFLECTED CEILING REMOVAL PLAN - FIRST FLOOR - AREA A

ARCHITECTURAL DRAWINGS

MAY A121 ENLARGED FLOOR PLAN - FIRST FLOOR - AREA A
MAY A821 REFLECTED CEILING PLAN - FIRST FLOOR - AREA A
MAY A901 DOOR & WINDOW DETAILS

ARCHITECTURAL FINISH DRAWINGS

MAY AF001 SIGNAGE TYPES AND SCHEDULE
MAY AF121 MATERIAL SCHEDULE & FINISH FLOOR PLAN - AREA A

FURNITURE DRAWINGS

MAY FE121 PARTIAL FURNITURE PLAN - FIRST FLOOR - AREA A

MECHANICAL GENERAL DRAWINGS

MAY M001 MECHANICAL NOTES, LEGENDS, SCHEDULES & DETAILS

MECHANICAL DEMOLITION DRAWINGS

MAY MD111 MECHANICAL DEMOLITION PLAN

MECHANICAL DRAWINGS

MAY M111 MECHANICAL PLAN

ELECTRICAL GENERAL DRAWINGS

MAY E001 ELECTRICAL NOTES, LEGENDS, SCHEDULES & DETAILS

ELECTRICAL DEMOLITION DRAWINGS

MAY ED111 ELECTRICAL DEMOLITION PLAN

ELECTRICAL DRAWINGS

MAY E111 ELECTRICAL PLAN

VOLUME 05 OF 08 - VALLEY CENTRAL HIGH SCHOOL (VCHS)

GENERAL DRAWINGS

VCHS G000 COVER & SHEET INDEX
VCHS G001 SYMBOLS, ABBREVIATIONS, MISC, AND PARTITION TYPES
VCHS G101 OVERALL FLOOR PLAN - BASEMENT
VCHS G111 OVERALL FLOOR PLAN - FIRST FLOOR
VCHS G121 OVERALL FLOOR PLAN - SECOND FLOOR
VCHS G401 OVERALL ROOF PLAN

LIFE SAFETY DRAWINGS

VCHS LS101 BASEMENT LIFE SAFETY PLAN
VCHS LS111 FIRST FLOOR LIFE SAFETY PLAN
VCHS LS112 SMOKE ZONE PLANS

HAZARDOUS MATERIALS DRAWINGS

VCHS AA100 ASBESTOS ABATEMENT FIRST FLOOR AREA C
VCHS AA200 ASBESTOS ABATEMENT SECOND FLOOR AREA C

ARCHITECTURAL DEMOLITION DRAWINGS

VCHS AD111 FIRST FLOOR REMOVAL PLAN - AREA A
VCHS AD112 FIRST FLOOR REMOVAL PLAN - AREA C & D

ARCHITECTURAL DEMOLITION DRAWINGS

VCHS AD401 ROOF REMOVAL PLAN - AREA C & D
VCHS AD802 REFLECTED CEILING REMOVAL PLAN - AREA C & D

ARCHITECTURAL DRAWINGS

VCHS A101 BOILER OOM PLANS AND DETAILS
VCHS A111 ENLARGED VESTIBULE PLAN, SECTION AND DETAILS
VCHS A112 AREA C & D - FIRST FLOOR NEW WORK PLAN
VCHS A201 EXTERIOR ELEVATIONS
VCHS A202 EXTERIOR ELEVATIONS
VCHS A402 ROOF PLAN - AREA A, C, & D
VCHS A801 REFLECTED CEILING PLAN AND CEILING DETAIL - AREA A
VCHS A802 FIRST FLOOR REFLECTED CEILING PLAN - AREA C & D
VCHS A901 DOOR, WINDOW, & STOREFRONT DETAILS

ARCHITECTURAL FINISH DRAWINGS

VCHS AF001 MATERIAL SCHEDULE
VCHS AF002 SIGNAGE TYPES AND SCHEDULE
VCHS AF112 AREA C & D - FLOOR FINISHES PLAN

PLUMBING GENERAL DRAWINGS

VCHS P001 PLUMBING NOTES, SCHEDULE, LEGEND & DETAILS

PLUMBING DEMOLITION DRAWINGS

VCHS PD301 BOILER ROOM PLUMBING DEMOLITION PLAN

PLUMBING DRAWINGS

VCHS P301 PLUMBING PLAN

MECHANICAL GENERAL DRAWINGS

VCHS M001 MECHANICAL NOTES, LEGEND, SCHEDULE & DETAILS
VCHS M002 MECHANICAL SCHEDULES
VCHS M003 MECHANICAL SCHEDULES
VCHS M004 MECHANICALDETAILS
VCHS M005 TEMPERATURE CONTROLS NOTES, LEGEND & SCHEMATICS
VCHS M006 MECHANICAL PIPING DIGRAMS

MECHANICAL DEMOLITION DRAWINGS

VCHS MD111 MECHANICAL DEMOLITION PLAN
VCHS MD211 MECHANICAL DEMOLITON PLAN - PART 1
VCHS MD212 MECHANICAL DEMOLITION PLAN - PART 2
VCHS MD301 MECHANICAL DEMOLITION PLAN

MECHANICAL DRAWINGS

VCHS M111 SECURITY VESTIBULE MECHANICAL PLAN
VCHS M211 MECHANICAL PLAN - PART 1
VCHS M212 MECHANICAL PLAN - PART 2
VCHS M301 MECHANICAL PLAN

ELECTRICAL GENERAL DRAWINGS

VCHS E001 ELECTRICAL NOTES, LEGEND, DETAILS & SCHEDULES
VCHS E002 ELECTRICAL PANEL SCHEDULES

ELECTRICAL DEMOLITION DRAWINGS

VCHS ED111 ELECTRICAL DEMOLITION PLAN
VCHS ED211 ELECTRICAL DEMOLITION PLAN
VCHS ED301 ELECTRICAL DEMOLITION PLAN

ELECTRICAL DRAWINGS

VCHS E111 ELECTRICAL PLAN
VCHS E211 ELECTRICAL PLAN
VCHS E301 ELECTRICAL PLAN

VOLUME 06 OF 08 - VALLEY CENTRAL MIDDLE SCHOOL (VCMS)

GENERAL DRAWINGS

VCMS G000 COVER & SHEET INDEX
VCMS G001 SYMBOLS, ABBREVIATIONS, MISC, AND PARTITION TYPES
VCMS G111 OVERALL FLOOR PLAN - FIRST FLOOR

LIFE SAFETY DRAWINGS

VCMS LS101 LIFE SAFETY PLANS
VCMS LS102 SMOKE ZONE PLANS

HAZARDOUS MATERIALS DRAWINGS

VCMS AA100 ASBESTOS ABATEMENT FIRST FLOOR AREA A

ARCHITECTURAL DEMOLITION DRAWINGS

VCMS AD111 ENLARGED REMOVAL PLAN - FIRST FLOOR - AREA A

ARCHITECTURAL DRAWINGS

VCMS A111 ENLARGED FLOOR PLANS AND SECTION - AREA A
VCMS A201 EXTERIOR ELEVATIONS
VCMS A202 EXTERIOR ELEVATIONS
VCMS A811 REFLECTED CEILING PLAN - FIRST FLOOR - AREA A
VCMS A901 DOOR, WINDOW, & STOREFRONT DETAILS

ARCHITECTURAL FINISH DRAWINGS

VCMS AF001 SIGNAGE TYPES AND SCHEDULE

MECHANICAL GENERAL DRAWINGS

VCMS M001 MECHANICAL NOTES, LEGENDS, SCHEDULES & DETAILS

MECHANICAL DEMOLITION DRAWINGS

VCMS MD111 MECHANICAL DEMOLITION PLAN

MECHANICAL DRAWINGS

VCMS M111 MECHANICAL PLAN

ELECTRICAL GENERAL DRAWINGS

VCMS E001 ELECTRICAL NOTES, LEGENDS, & SCHEDULES

ELECTRICAL DEMOLITION DRAWINGS

VCMS ED111 ELECTRICAL DEMOLITION PLAN

ELECTRICAL DRAWINGS

VCMS E111 ELECTRICAL PLAN

VOLUME 07 OF 08 - WALDEN ELEMENTARY SCHOOL (WES)

GENERAL DRAWINGS

WES	G000	COVER & SHEET INDEX
WES	G001	SYMBOLS, ABBREVIATIONS, AND MISC
WES	G111	OVERALL FLOOR PLAN - FIRST FLOOR
WES	G121	OVERALL FLOOR PLAN - SECOND FLOOR

LIFE SAFETY DRAWINGS

WES	LS101	LIFE SAFETY PLANS
WES	LS102	SMOKE ZONE PLANS

HAZARDOUS MATERIALS DRAWINGS

WES	AA100	ASBESTOS ABATEMENT FIRST FLOOR AREA C

ARCHITECTURAL DEMOLITION DRAWINGS

WES	AD111	REMOVAL PLANS - FIRST & SECOND FLOOR

STRUCTURAL DRAWINGS

WES	S100	STRUCTURAL NOTES, PLANS, AND DETAILS

ARCHITECTURAL DRAWINGS

WES	A111	NEW WORK PLANS - FIRST AND SECOND FLOOR
WES	A601	ELEVATIONS AND SECTIONS
WES	A651	CASEWORK DETAILS
WES	A701	PARTITION TYPES
WES	A702	PARTITION TYPES
WES	A811	REFLECTED CEILING PLANS, DEMO PLANS, AND DETAILS
WES	A901	DOOR, WINDOW, & STOREFRONT DETAILS

ARCHITECTURAL FINISH DRAWINGS

WES	AF001	SIGNAGE TYPES AND SCHEDULE
WES	AF111	MATERIAL SCHEDULE, FURNITURE, AND FLOOR FINISH PLANS

PLUMBING GENERAL DRAWINGS

WES	P001	PLUMBING NOTES, SCHEDULE, LEGEND & DETAILS

PLUMBING DRAWINGS

WES	P111	PLUMBING PLANS

MECHANICAL GENERAL DRAWINGS

WES M001 MECHANICAL NOTES, LEGENDS, SCHEDULES & DETAILS

MECHANICAL DEMOLITION DRAWINGS

WES MD111 MECHANICAL DEMOLITION PLANS

MECHANICAL DRAWINGS

WES M111 MECHANICAL PLANS

ELECTRICAL GENERAL DRAWINGS

WES E001 ELECTRICAL NOTES, LEGENDS, SCHEDULES & DETAILS

ELECTRICAL DEMOLITION DRAWINGS

WES ED111 ELECTRICAL DEMOLITION PLANS

ELECTRICAL DRAWINGS

WES E111 ELECTRICAL PLANS

VOLUME 08 OF 08 - ADMINISTRATION BUILDING (ADMIN)

GENERAL DRAWINGS

ADMIN G000 COVER & SHEET IN

ADMIN G001 SYMBOLS, ABBREVIATIONS, AND MISC.

ARCHITECTURAL DRAWINGS

ADMIN A101 OVERALL FLOOR PLAN

PLUMBING GENERAL DRAWINGS

ADMIN P001 PLUMBING NOTES, LEGEND & DETAILS

PLUMBING DRAWINGS

ADMIN P111 PLUMBING PLANS

MECHANICAL GENERAL DRAWINGS

ADMIN M001 MECHANICAL NOTES, LEGEND, SCHEDULES & DETAILS

MECHANICAL DRAWINGS

ADMIN M111 MECHANICAL PLANS

ELECTRICAL GENERAL DRAWINGS

ADMIN E001 ELECTRICAL NOTES, LEGENDS, & SCHEDULES

ELECTRICAL DRAWINGS

ADMIN E111 ELECTRICAL PLANS

END OF SECTION

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Phase 1, Contractor Coordination Notes for Siemens controls, 11-18-2024

Berea Elementary School:

Heat Pump and Indoor Units, VRF System

1. Siemens shall provide Indoor unit Thermostat installation and wiring
2. Siemens shall provide inter-connecting control wiring between indoor units and outdoor unit and VRF BACnet controller

VAV Terminal Unit with HW Reheat

1. Mechanical contractor to install control valve furnished by Siemens
2. Electrical contractor to provide 120V power wiring to each VAV terminal unit as shown Electrical drawings

Duct Reheat Coil

1. Mechanical contractor to install control valve furnished by Siemens

Energy Recovery Ventilator

1. Siemens shall provide fire-alarm shut-down interconnect wiring
2. Siemens shall provide area/room sensor installation and wiring
3. Siemens shall provide BACnet communications wiring to Siemens Supervisory control panel

Maybrook Alternative Learning Center:

Split AC-unit

1. Siemens shall provide indoor unit Thermostat installation and wiring
2. Siemens shall provide inter-connecting control wiring between indoor units and outdoor units

FCU Outdoor Air Intake Damper

1. Siemens shall furnish, install and wire damper actuator

Montgomery Elementary School:

Split AC-unit

1. Siemens shall provide Indoor unit Thermostat installation and wiring
2. Siemens shall provide inter-connecting control wiring between indoor units and outdoor units

FCU Outdoor Air Intake Damper

1. Siemens shall furnish, install and wire damper actuator

Valley Central Middle School

Split AC-unit

1. Siemens shall provide indoor unit Thermostat installation and wiring
2. Siemens shall provide inter-connecting control wiring between indoor units and outdoor units

Hot Water Unit Heaters

1. Mechanical contractor to install control valve furnished by Siemens

SECTION 012100 - ALLOWANCES

PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes administrative and procedural requirements governing allowances.
   1. Certain items are specified in the Contract Documents by allowances. Allowances have been established in lieu of additional requirements and to defer selection of actual materials and equipment to a later date when direction will be provided to Contractor.

B. Types of allowances include the following:
   1. Contingency Allowances

1.3 INFORMATIONAL SUBMITTALS

A. Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance cost proposal.

B. Submit time sheets and other documentation to show labor time and cost for installation of allowance items that include installation as part of the allowance cost proposal.

C. Coordinate and process submittals for allowance items in same manner as for other portions of the Work.

1.4 COORDINATION

A. Coordinate allowance items with other portions of the Work. Furnish templates as required to coordinate installation.

1.5 ALLOWANCES

A. Use the allowance only as directed by Architect for Owner's purposes and only by change documentation that indicate amounts to be charged against the allowance.

B. Contractor's overhead, administrative expenses, project management, profit, and related costs for labor, products and equipment ordered by Owner under allowances are to be included within the allowance, and thereby included in the Contract Sum.

C. Change Orders authorizing use of allowances will include all related Contractor's costs including but not limited to, procurement, installation, insurance, equipment rental, and similar costs as applicable to the specific allowance.

1.6 ADJUSTMENT OF ALLOWANCES

A. Allowance Adjustment: To adjust allowances, the Architect will prepare a Change Order reflective of approved costs, utilizing Unit Prices if applicable, that will result in Allowance Remaining, if any.
   1. Contractor shall include installation costs in purchase amount only where indicated as part of the proposal request.
   2. Owner reserves the right to establish the quantity of work-in-place by independent quantity survey, measure, or count.
   3. At Project closeout, credit unused amounts remaining in the allowance to Owner by deductive credit Change Order.

B. Contractor shall submit claims for increased costs because of a change in scope or nature of the allowance described in the Contract Documents, whether for the purchase order amount or Contractor's work.
   1. Contractor shall not include Contractor's or subcontractors' indirect expense in the cost proposal amount unless it is clearly shown that the nature or extent of work has changed from what could have been foreseen from information in the Contract Documents.
   2. No change to Contractor's indirect expense is permitted for selection of higher- or lower-priced materials or systems of the same scope and nature as originally indicated.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.1 SCHEDULE OF ALLOWANCES:

A. The following Contingency Allowances shall be included in the Base Bid value for each respective Contract: 4
   1. For Contract No. 1-01 – General and Abatement Construction (GAC):
      a. Contingency Allowance No. **CA-GAC-1-01-001**: General and Abatement Construction Contingency Allowance for work at all buildings in the amount of $50,000.00 lump sum.

2. For Contract No. 1-02 – Mechanical and Plumbing Construction (MPC):
    a. Contingency Allowance No. **CA-MPC-1-02-001**: Mechanical and Plumbing Construction Contingency Allowance for work at all buildings in the amount of $40,000.00 lump sum.
3. For Contract No. 1-03 – Electrical Construction (EC):
    a. Contingency Allowance No. **CA-EC-1-03-001**: Electrical Construction Contingency Allowance for work at all buildings in the amount of $35,000.00 lump sum.

END OF SECTION

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SECTION 012300 - ALTERNATES

PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS

A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
   1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
   2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
   1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether indicated as part of alternate or not.

B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated revisions to alternates.

C. Execute accepted alternates under the same conditions as other work of the Contract.

D. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. Each Prime Contractor shall provide value for each Alternate where indicated on the Bid Form for each respective Contract: 4

1. For Contract No. 1-01 – General and Abatement Construction (GAC):
    a. ADD Alternate No. **ALT-GAC-1-01-001**: For all General and Abatement Construction work at Walden Elementary School.
2. For Contract No. 1-02 – Mechanical and Plumbing Construction (MPC):
    a. ADD Alternate No. **ALT-MPC-1-02-001**: For all Mechanical and Plumbing Construction work at Walden Elementary School.
3. For Contract No. 1-03 – Electrical Construction (EC):
    a. ADD Alternate No. **ALT-EC-1-03-001**: For all Electrical Construction work at Walden Elementary School.

END OF SECTION

SECTION 283100 - FIRE DETECTION AND ALARM

PART 1 GENERAL

1.1 SUMMARY

A. Section includes:
1. Fire-alarm control panel (FACP).
2. Manual fire alarm pull stations.
3. System smoke detectors.
4. Carbon Monoxide detectors.
5. Heat detectors.
6. Beam Smoke detectors.
7. Notification appliances.
8. Magnetic door holders.
9. Fire Alarm Annunicator Panel (FAAP).
10. Addressable interface device.
11. Digital alarm communicator transmitter.
12. Network communications.
13. System printer.
14. Device Guards.

1.2 definitions

A. EMT: Electrical Metallic Tubing.

B. FACP: Fire Alarm Control Panel.

C. HLI: High Level Interface.

D. NICET: National Institute for Certification in Engineering Technologies.

E. PC: Personal computer.

F. VESDA: Very Early Smoke-Detection Apparatus.

1.3 SUBMITTALS

A. Product Data: For each type of product, including finished options and accessories.
1. Include construction details, material descriptions, dimensions, profiles and finishes.
2. Include rated capacities, operating characteristics, and electrical characteristics.

B. Shop Drawings: For fire alarm system:

1. Floor plans (minimum 1/8-inch scale) with room names and numbers, showing device locations and interconnecting conduit and wire. Include location of fire/smoke rated or barrier walls.
2. Drawings shall show proposed layout and anchorage of equipment and appurtenances and equipment relationship to other parts of the work, including clearances for maintenance and operation.
3. Scaled detail drawings of FACP and FAAP panel fronts.
4. Wiring diagram for each device. Include connection details to auxiliary equipment.
5. Riser diagram showing devices, equipment, and interconnecting conduit and wire. Indicate points of connection to other equipment such as, damper actuators, kitchen hood fire protection systems, pre-action fire protection systems, clean agent fire protection systems, elevator machine rooms and shafts, electric door locking hardware, fire door releases, magnetic door holders, and other related devices and equipment.
6. Complete narrative of the sequence of operation.
7. Sequence of operation matrix table including a complete line-by-line listing of fire alarm initiating devices, corresponding device address, and input/output matrix.
8. Voltage drop calculations.
9. Battery sizing calculations.
    a. Visual alarm power supply sizing calculations.
10. Power supply calculations for magnetic door holders, and electric door locking hardware.
11. Wire identification schedule.
12. Include statement from manufacturer that all equipment and components have been tested as a system and meet all requirements in this specification and in NFPA 72. All drawings must be stamped and signed by a Professional Engineer registered in New York State, for approval by the Fire Marshal and NYSED.

1.4 CLOSeOUT SUBMITtALs

A. Operation and Maintenance Data: For fire-alarm systems and components to include in emergency, operation, and maintenance manuals. Include the following:
    1. Comply with the "Records" section of the "Inspection, Testing and Maintenance" chapter in NFPA 72.
    2. Provide "Fire Alarm and Emergency Communications System Record of Completion Documents" according to the "Completion Documents" Article in the "Documentation" section of the "Fundamentals" chapter in NFPA 72.
    3. Complete wiring diagrams showing connections between all devices and equipment. Each conductor shall be numbered at every junction point with indication of origination and termination points.
    4. Riser diagram.

5. Device addresses.
6. Record copy of site-specific software. This software shall also be in an electronic format to allow an alternate Authorized Distributor to add, change, or modify in any way, the existing system data base.
7. Provide "Inspection and Testing Form" according to the "Inspection, Testing and Maintenance" chapter in NFPA 72, and include the following:
   a. Equipment tested.
   b. Frequency of testing of installed components.
   c. Frequency of inspection of installed components.
   d. Requirements and recommendations related to results of maintenance.
   e. Manufacturer's user training manuals.
8. Manufacturer's required maintenance related to system warranty requirements.
9. Abbreviated operating instructions for mounting at fire-alarm control unit and each annunciator unit.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: Personnel shall be trained and certified by manufacturer for installation of units required for this Project.

B. Installer Qualifications: Installation shall be by personnel certified by NICET as fire alarm Level III technician.

C. NFPA Certification: Obtain certification according to NFPA 72 by a UL-listed alarm company.

D. Manufacturer and equipment supplier shall have a minimum of ten years' prior experience in New York State. Equipment supplier shall have 24-hour parts and labor service available with a maximum 4-hour response time. There shall be a minimum of 2 Independent Authorized Distributors within a 50-mile radius of project. Proprietary equipment shall not be acceptable.

1.6 PROJECT CONDITIONS

A. Perform a full test of the existing system prior to starting to work. Document any equipment or components not functioning as designed.

B. Use of Devices during Construction: Protect devices during construction unless devices are placed in service to protect the facility during construction.

1.7 SYSTEM ZONING

A. Alarm Initiating Devices:
   1. Provide a separate, individual zone for each manual pull station, area smoke detector, duct smoke detector, area heat detector, and water flow switch.

B. Fire Audible and Visual Alarm Strobes:
   1. Each floor of the building (above and below grade) shall be a separate, individual zone.
   2. Each stairwell shall be a separate, individual zone.
   3. Each exterior area shall be a separate individual zone.

C. Fire Alarm Control zones:
   1. Air Handling Fan systems: Provide one (1) shutdown contact for each air handling fan systems. Contacts shall initiate the shutdown of fan system and closing of dampers on associated floor.
   2. Provide two (2) open/close contact for each floor's/zone's dampers grouped as a function of being in the supply or return air streams.
   3. Provide one (1) recall contact for each elevator control panel to recall elevator to ground floor.
   4. Provide one (1) release control contact for all door lock systems.

D. Initiating and signaling device wiring circuits/loops/channels shall be loaded to no more than 80 percent (80%) capacity to allow for the installation of future devices.

1.8 WARRANTY

A. Special Warranty: Manufacturer agrees to repair or replace fire-alarm system equipment and components that fail in materials or workmanship within specified warranty period.
   1. Warranty Extent: All equipment and components not covered in the Maintenance Service Agreement.

B. Warranty Period: Three years from date of Substantial Completion.

PART 2 PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

A. The existing fire alarm system in each building is listed below. All new fire detection and alarm system components shall be of the same manufacturer and must meet all requirements of the contract documents.
   1. *Valley Central High School/Middle School – Edwards EST3 Control Panel*
   2. *Berea Elementary School – Simplex 4010 Control Panel*
   3. *East Coldenham Elementary School – Simplex 4010 Control Panel*
   4. *Maybrook ALC – Simplex 4010ES Control Panel*
   5. *Montgomery Elementary School – Mircom FX-350 Control Panel*
   6. *Walden Elementary School – Simplex 4010 Control Panel*
   7. *Administration Building – Mircom FA-300 Control Panel*

4

B. *Existing Fire Alarm Vendor Contact Info:*

Sean Werlau
Open Systems Metro
(914) 241-0057 - Office
(914) 640-9314 - Mobile

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C. Products for this project shall be of the latest design that has been in service for at least two (2) years, and no more than 4 years. Obsolete or discontinued models are not acceptable.

2.2 DESCRIPTION

A. Fire alarm System shall be EST EST4 voice system.

B. Fire alarm system infrastructure including conduit, wiring, backboxes, etc. and all associated labor and installation is in the scope of this contract.

C. Shop drawings and submittal review/approval, testing and programming, project management and closeout documentation shall be by the fire alarm system manufacturer's authorized representative.

D. Provide a microprocessor-controlled, electrically supervised fire alarm system in accordance with the Contract Documents. Provide detailed system design, all equipment, tools, drawings, labor, materials, accessories, and approvals from governing agencies required to furnish, install, start up, and test a complete operating fire alarm system. Systems shall be provided and placed into operation in accordance with the requirements of the Authority Having Jurisdiction (AHJ).

E. Labor, materials including conduit and wiring, and accessories not specifically called for in the Contract Documents but required to provide complete, operating, and approved systems, shall be provided within the scope of this contract.

F. Determine, coordinate, and incorporate the design and construction requirements of the architectural, structural, fire protection and mechanical systems, and auxiliary systems including food service, fire doors and windows, elevators, and other related systems, to fully meet all code requirements.

G. The fire alarm system manufacturer and Contractor shall provide all required documentation, obtain all required permits and approvals, and shall provide all devices and accessories in the quantities and locations necessary for a fully functional and code-compliant system.

H. Programming of system shall be based on final room names and numbers, which may not necessarily be the same as those used on the construction documents.

I. Noncoded, UL-certified addressable system, with multiplexed signal transmission and voice/strobe evacuation.

J. The Fire Alarm Control Panel (FACP) and Fire Alarm Annunciator Panel (FAAP) shall be connected in a network configuration to become components for a distributed intelligence system.

K. The fire detection and alarm system shall be the fully addressable type. Each fire alarm initiating device shall be a separate, individual zone. Provide interface modules to connect non-addressable devices to addressable wiring channels.

L. All components provided shall be listed for use with the selected system.

M. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

2.3 SYSTEMS OPERATIONAL DESCRIPTION

A. Fire alarm signal initiation shall be by one or more of the following devices and systems:
1. Manual pull stations.
2. Heat detectors.
3. Smoke detectors.
4. Duct smoke detectors.
5. Waterflow Switch.

B. Fire alarm signal shall initiate the following actions:
1. Continuously operate alarm notification appliances, including voice evacuation notices.
2. Identify alarm and specific initiating device at FACP, connected network control panels, off-premises network control panels, and remote annunciators.
3. Indicate device in alarm on the graphic annunciator.
4. Transmit an alarm signal to the remote alarm receiving station.
5. Unlock electric door locks in designated egress paths.
6. Release fire and smoke doors held open by magnetic door holders.
7. Activate voice/alarm communication system.
8. Switch heating, ventilating, and air-conditioning equipment controls to fire alarm mode.
9. Close smoke dampers in air ducts of designated air conditioning duct systems.
10. Activate emergency shutoffs for gas and fuel supplies.
11. Record events in the system memory.

C. Detection of carbon monoxide by a carbon monoxide detector shall:
1. Activate a distinct carbon monoxide alarm at the FACP.

a. Carbon monoxide signal shall be a separate and distinct signal from the fire alarm system.

2. Activate distinct local carbon monoxide visual/audible notification appliances for associated carbon monoxide detector in alarm condition.
3. Activate carbon monoxide detector sounder base (if present).
4. Send a distinct carbon monoxide detector supervisory signal to central office.

D. Supervisory signal initiation shall be by one or more of the following devices and actions:
1. Independent fire detection and suppression systems.
2. User disabling of zones or individual devices.
3. Loss of communication with any panel on the network.

E. System trouble signal initiation shall be by one or more of the following devices and actions:
1. Open circuits, shorts, and grounds in designated circuits.
2. Opening, tampering with, or removing alarm-initiating and supervisory signal-initiating devices.
3. Loss of communication with any addressable sensor, input module, relay, control module, remote annunciator, printer interface, or Ethernet module.
4. Loss of primary power at FACP.
5. Ground or a single break in internal circuits of FACP.
6. Abnormal AC voltage at FACP.
7. Break in standby battery circuitry.
8. Failure of battery charging.
9. Abnormal position of any switch at FACP or annunciator.
10. Voice signal amplifier failure.

F. System Supervisory Signal Actions:
1. Identify specific device initiating the event at FACP, off-premises network control panels, and remote annunciators.
2. After a time delay of 200 seconds, transmit a trouble or supervisory signal to the remote alarm receiving station.
3. Display system status on FAAP.

2.4 FIRE ALARM CONTROL Panel (FACP)

A. General Requirements for FACP:
1. Field-programmable, microprocessor-based, modular, power-limited design with electronic modules, complying with UL 864.
a. System software and programs shall be held in nonvolatile flash, electrically erasable, programmable, read-only memory, retaining the information through failure of primary and secondary power supplies.

b. Include a real-time clock for time annotation of events on the event recorder and printer.
c. Provide communication between the FACP and remote circuit interface panels, annunciators, and displays.
d. The FACP shall be listed for connection to a central station signaling system service.
e. Provide nonvolatile memory for system database, logic, and operating system and event history. The system shall require no manual input to initialize in the event of a complete power down condition. The FACP shall provide a minimum 500-event history log.

2. Addressable Initiation Device Circuits: The FACP shall indicate which communication zones have been silenced and shall provide selective silencing of alarm notification appliance by building communication zone.
3. Addressable Control Circuits for Operation of Notification Appliances and Mechanical Equipment: The FACP shall be listed for releasing service.

B. Alphanumeric Display and System Controls: Arranged for interface between human operator at FACP and addressable system components including annunciation and supervision. Display alarm, supervisory, and component status messages and the programming and control menu.
1. Annunciator and Display: Liquid-crystal type, three line(s) of 80 characters, minimum.
2. Keypad: Arranged to permit entry and execution of programming, display, and control commands and to indicate control commands to be entered into the system for control of smoke-detector sensitivity and other parameters.

C. Initiating Device, Notification Appliance, and Signaling Line Circuits:
1. Pathway Class Designations: NFPA 72, Class B.
2. Pathway Survivability: Level 0. Staged evacuation Level 2 or 3.
3. Install no more than 100 addressable devices on each signaling-line circuit.
4. Serial Interfaces:
a. One dedicated RS 485 port for remote station operation using point ID DACT.
b. One RS 485 port for remote annunciators, Ethernet module, or multi-interface module (printer port).
c. One USB or RS 232 port for PC configuration.
d. One RS 232 port for VESDA HLI connection.
e. One RS 232 port for voice evacuation interface.

D. Smoke Alarm Verification:
1. Smoke alarm verification shall not be enabled.

E. Elevator recall shall be initiated only by one of the following alarm-initiating devices:
1. Elevator lobby detectors except the lobby detector on the designated floor.

2. Smoke detector in elevator machine room.
3. Smoke detectors in elevator hoistway.
4. Waterflow switch activation.
5. Elevator controller shall be programmed to move the cars to the alternate recall floor if lobby detectors located on the designated recall floors are activated.
6. Water-flow alarm connected to sprinkler in an elevator shaft and elevator machine room shall shut down elevators associated with the location without time delay.
7. Water-flow switch associated with the sprinkler in the elevator pit may have a delay to allow elevators to move to the designated floor.

F. Notification Appliance Circuit:
1. Audible appliances shall sound in a three-pulse temporal pattern, as defined in NFPA 72.
2. Where notification appliances provide signals to sleeping areas, the alarm signal shall be a 520-Hz square wave with an intensity 15 dB above the average ambient sound level or 5 dB above the maximum sound level, or at least 75 dBA, whichever is greater, measured at the pillow.
3. Visual alarm appliances shall flash in synchronization where multiple appliances are in the same field of view, as defined in NFPA 72.

G. Door Controls:
1. Door hold-open devices that are controlled by smoke detectors at doors in smoke-barrier walls shall be connected to fire alarm system.

H. Remote Smoke-Detector Sensitivity Adjustment:
1. Controls shall select specific addressable smoke detectors for adjustment, display their current status and sensitivity settings, and change those settings. Allow controls to be used to program repetitive, time-scheduled, and automated changes in sensitivity of specific detector groups. Record sensitivity adjustments and sensitivity-adjustment schedule changes in system memory, and print out the final adjusted values on system printer.

I. Transmission to Remote Alarm Receiving Station:
1. Automatically transmit alarm, supervisory, and trouble signals to a remote alarm station.

J. Voice/Alarm Signaling Service: Central emergency communication system with redundant preamplifiers, amplifiers, and tone generators provided as a special module that is part of fire-alarm control unit.
1. Indicate number of alarm channels for automatic, simultaneous transmission of different announcements to different zones or for manual transmission of announcements by use of the central-control microphone. Amplifiers shall comply with UL 1711.
a. System shall provide a minimum of 8 digital audio channels.

b. Allow the application of, and evacuation signal to, indicated number of zones and, at the same time, allow voice paging to the other zones selectively or in any combination.
c. Programmable tone and message sequence selection.
d. Standard digitally recorded messages for "Evacuation" and "All Clear."
e. Generate tones to be sequenced with audio messages of type recommended by NFPA 72 and that are compatible with tone patterns of notification-appliance circuits of fire-alarm control unit.

2. Status Annunciator: Indicate the status of various voice/alarm speaker zones and the status of firefighters two-way telephone communications zones.
3. Preamplifiers, amplifiers, and tone generators shall automatically transfer to backup units, on primary equipment failure.
4. Primary Power: 24V DC obtained from 120V AC service and a power supply module. Initiating devices, notification appliances, signaling lines, trouble signals, supervisory signals supervisory and digital alarm communicator transmitters and digital alarm radio transmitters shall be powered by 24V DC source.
5. Alarm current draw of entire fire alarm system shall not exceed 80 percent of the power-supply module rating.

K. Primary Power: 24-V dc obtained from 120-V ac service and a power supply module. Initiating device, notification appliances, signaling lines, trouble signals, supervisor signals, supervisory and digital alarm communicator transmitters and digital alarm radio transmitters shall be powered by 24- V dc source.

L. Secondary Power: Provide sufficient battery capacity to operate the entire system upon loss of power as required by NFPA 72 Section 10.6.7.2.1. Battery capacity shall be calculated for minimum 24 hours of capacity in nonalarm (standby) mode and then 15 minutes at maximum connected load after that time period for audio voice systems and 24/5 for non-audio systems. The on-site emergency power system shall not be used when sizing the battery supply. The system shall automatically transfer to the standby batteries upon power failure. Battery charging and recharging shall be automatic.

2.5 MANUAL FIRE ALARM PULL STATIONS (EST siga-270 SERIES)

A. General Requirements: Comply with UL 38. Boxes shall be finished in red with molded, raised-letter operating instructions in contrasting color; shall show visible indication of operation; and shall be mounted on recessed outlet box. If indicated as surface mounted, provide manufacturer's surface back box.
1. Single-action mechanism, pull-lever type; with integral addressable module arranged to communicate manual-station status (normal, alarm, or trouble) to FACP.
2. Station Reset: Key-operated switch.

2.6 SYSTEM SMOKE DETECTORS (EST SIGA-PD)

A. General Requirements:
   1. Comply with UL 268 and FM approved; operating at 24V DC, nominal, Photoelectric type.
   2. Base Mounting: Detector and associated electronic components shall be mounted in a twist-lock module that connects to a fixed base. Provide terminals in the fixed base for connection to building wiring.
   3. Self-Restoring: Detectors do not require resetting or readjustment after actuation to restore them to normal operation.
   4. Integral Visual-Indicating Light: LED type, indicating detector alarm/power-on status.
   5. Thirty (30) mesh insect screen and magnetically activated test.
   6. Remote Control: Unless otherwise indicated, detectors shall be digital-addressable type, individually monitored at FACP for calibration, sensitivity, and alarm condition and individually adjustable for sensitivity by FACP.
      a. Rate-of-rise temperature characteristic of combination smoke- and heat-detection units shall be selectable at FACP for 15 or 20 deg F per minute.
      b. Multiple levels of detection sensitivity for each sensor.

B. Photoelectric Smoke Detectors:
   1. Detector address shall be accessible from FACP and shall be able to identify the detector's location within the system and its sensitivity setting.
   2. An operator at FACP, having the designated access level, shall be able to manually access the following for each detector:
      a. Primary status.
      b. Device type.
      c. Present average value.
      d. Present sensitivity selected.
      e. Sensor range (normal, dirty, etc.).

C. Duct Smoke Detectors: Photoelectric type complying with UL 268A, 24V DC. (EST SIGA-SD)
   1. Detector address shall be accessible from fire-alarm control unit and shall be able to identify the detector's location within the system and its sensitivity setting.
   2. An operator at fire-alarm control unit, having the designated access level, shall be able to manually access the following for each detector:
   3. Primary status.
   4. Device type.
   5. Present average value.
   6. Present sensitivity selected.
   7. Sensor range (normal, dirty, etc.).

8. Weatherproof Duct Housing Enclosure: NEMA 250, Type 4X; NRTL listed for use with the supplied detector for smoke detection in HVAC system ducts.
9. Duct detector and housing shall be calibrated and adjusted for sensitivity at the manufacturer's factor to U.L. standards. Detector and housing shall be self-compensating for the effect of air velocity, temperature, humidity and atmospheric pressure.
10. Each duct detector shall be provided with sampling tubes sized according to duct size, air velocity, and installation conditions.
11. Each duct detector shall be provided with remote alarm LED on a single gang plate, surface or flush mounted.

2.7 CARBON MONOXIDE DETECTORS (est siga-cod)

A. General: Carbon monoxide detector listed for connection to fire-alarm system.
1. Mounting: Adapter plate for outlet box mounting.
2. Testable by introducing test carbon monoxide into the sensing cell.
3. Detector shall provide alarm contacts and trouble contacts.
4. Detector shall send trouble alarm when nearing end-of-life, power supply problems, or internal faults.
5. Comply with UL 2075.
6. Locate, mount, and wire according to manufacturer's written instructions.
7. Provide means for addressable connection to fire-alarm system.
8. Detector base shall provide a temporal 4 alarm signal.

2.8 HEAT DETECTORS (EST SIGA-HRD)

A. General Requirements for Heat Detectors: Comply with UL 521.
1. Temperature sensors shall test for and communicate the sensitivity range of the device.

B. Heat Detector, Combination Type: Actuated by either a fixed temperature of 135 deg F or a rate of rise that exceeds 15 deg F per minute unless otherwise indicated.
1. Mounting: Twist-lock base interchangeable with smoke-detector bases.
2. Integral Addressable Module: Arranged to communicate detector status (normal, alarm, or trouble) to FACP.

2.9 BEAM smoke detector (EST 5000 SERIES)

A. Shall be photoelectric, four-wire, 24 VDC transmitter and receiver (beam type) smoke detector and shall be field adjustable to U.L. Standards for sensitivity (20, 30, 40, 50, 60 and 70% beam obscuration).

B. The transmitter unit shall utilize a solid-state infrared (IR), crystal locked beam source which shall enable the receiver unit to distinguish the detection beam from all types of

EFI, including fluorescent, mercury and sodium lighting.

C. The detector receiver shall provide automatic digital compensation circuitry to adjust for dust accumulation, component aging and temperature changes and also be able to discriminate between smoke obscuration and beam interruption.

D. The detector shall utilize solid-state components for long life reliability and provide a range of from thirty feet (30') to three hundred fifty feet (350') with the beam transmitter and receiver optics being adjustable ±90□ in the horizontal plane and ±10□ in the vertical plane.

E. Detectors shall be listed for U.L. Standard 268.

F. Detector Address: Accessible from fire-alarm control unit and able to identify the detector's location within the system and its sensitivity setting.

G. An operator at fire-alarm control unit, having the designated access level, shall be able to manually access the following for each detector:
   1. Primary status.
   2. Device type.
   3. Present average value.
   4. Present sensitivity selected.
   5. Sensor range (normal, dirty, etc.).

2.10 NOTIFICATION APPLIANCES (EST genesis series)

A. General Requirements for Notification Appliances: Connected to notification-appliance signal circuits, zoned as indicated, equipped for mounting as indicated, and with screw terminals for system connections.
   1. Combination Devices: Factory-integrated audible and visible devices in a single-mounting assembly, equipped for mounting as indicated, and with screw terminals for system connections.

B. Horns: Electric-vibrating-polarized type, 24-V dc; with provision for housing the operating mechanism behind a grille. Comply with UL 464. Horns shall produce a sound-pressure level of 90 dBA, measured 10 feet from the horn, using the coded signal prescribed in UL 464 test protocol.

C. Visible Notification Appliances: Xenon strobe lights complying with UL 1971, with clear or nominal white polycarbonate lens mounted on an aluminum faceplate. The word "FIRE" is engraved in minimum 1-inch high letters on the lens.
   1. Rated Light Output:
      a. 15/30/75/110 cd, selectable in the field.
   2. Mounting: Wall mounted unless otherwise indicated.
   3. For units with guards to prevent physical damage, light output ratings shall be determined with guards in place.

4. Flashing shall be in a temporal pattern, synchronized with other units.
5. Strobe Leads: Factory connected to screw terminals.
6. Mounting Faceplate: Factory finished, red.

D. Voice/Tone Notification Appliances:
1. Speakers shall be EST High Fidelity capable of providing 520hz.
2. Comply with UL 1480.
3. Speakers for Voice Notification: Locate speakers for voice notification to provide the intelligibility requirements of the "Notification Appliances" and "Emergency Communications Systems" chapters of NFPA 72.
4. Speaker shall be capable of field selection of speaker voltage (25 and 70.7 Vrms) and power settings (1/4 W, 1/2 W, 1 W, 2 W).
a. Final settings shall be field adjusted to match the acoustical environment of each speaker.

E. Exit Marking Audible Notification Appliance:
1. Exit marking audible notification appliances shall meet the audibility requirements in NFPA 72.
2. Provide exit marking audible notification appliances at the entrance to all building exits.
3. Provide exit marking audible notification appliances at the entrance to areas of refuge with audible signals distinct from those used for building exit marking.

2.11 MAGNETIC door holders. (Edwards 1500 series)

A. Description: Units are equipped for wall or floor mounting as indicated and are complete with matching doorplate.
1. Electromagnets: Require no more than 3 W to develop 35-lbf of holding force.
2. Wall-Mounted Units: Flush mounted unless otherwise indicated.
3. Rating: 24-V dc.

B. Material and Finish: Brushed aluminum.

2.12 Fire alarm ANNUNCIATOR panel (FAAP)

A. Graphic Annunciator Panel: Mounted in an aluminum frame with nonglare, minimum 3/16-inch thick, clear acrylic cover over graphic representation of the facility. Detector locations shall be represented by red LED lamps. Normal system operation shall be indicated by a lighted, green LED. Trouble and supervisory alarms shall be represented by an amber LED.
1. Comply with UL 864.
2. Shall Operate from 24-V dc power supplied by the FACP.
3. Include built-in voltage regulation, reverse polarity protection, RS 232/422 serial communications, and a lamp test switch.

4. Surface mounted in a NEMA 250, Type 1 cabinet, with key lock and no exposed screws or hinges.
5. Graphic representation of the facility floorplan, and each detector shall be represented by an LED in its actual location. Floorplan shall be at 1/8-inch per foot scale or larger.
6. The LED representing a detector shall flash two times per second while detector is an alarm.
    a. ADDRESSABLE INTERFACE DEVICE

B. General:
1. Include address-setting means on the module.
2. Store an internal identifying code for control panel use to identify the module type.
3. Listed for controlling HVAC fan motor controllers.
4. Devices shall be flush mounted in finished areas and surface mounted with back box in unfinished areas.

C. Monitor Module (SIGA-CT series): Microelectronic module providing a system address for alarm-initiating devices for wired applications with normally open contacts using NFPA 72A Style B (Class B, Two-Wire) circuit supervision. Module responds to polling signals from FACP/Transponder and shall report alarm initiating/supervisory circuit status changes to it.

D. Control Module (EST SIGA-CRH): Microelectronic module with one (1) induvial addressable control relay with double-pole/double-throw (DPDT) contacts rated at two (7.0A) @ 120VAC/28VDC. Module response to control signals from FACP/Transponder.

2.13 DIGITAL ALARM COMMUNICATOR TRANSMITTER

A. Digital alarm communicator transmitter shall be acceptable to the remote central station and shall comply with UL 632.

B. Functional Performance: Unit shall receive an alarm, supervisory, or trouble signal from FACP and automatically capture two telephone line(s) and dial a preset number for a remote central station. When contact is made with central station(s), signals shall be transmitted. If service on either line is interrupted for longer than 45 seconds, transmitter shall initiate a local trouble signal and transmit the signal indicating loss of telephone line to the remote alarm receiving station over the remaining line. Transmitter shall automatically report telephone service restoration to the central station. If service is lost on both telephone lines, transmitter shall initiate the local trouble signal.

C. Addressable communications circuits from system transponders shall be electrically supervised in accordance with NFPA 72A Style 6 (Class A, four-wire) standards, monitoring for alarm (shorts), trouble (opens), and ground faults. When wired in the

Style 6 (Class A, four-wire) configuration, a single open or ground fault shall not prevent the receipt of an alarm condition. Addressable communications circuits shall utilize two (2) cables of two (2) No. 18 AWG twisted conductors from the transponder to the connected addressable devices.

D. Local functions and display at the digital alarm communicator transmitter shall include the following:
   1. Verification that both telephone lines are available.
   2. Programming device.
   3. LED display.
   4. Manual test report function and manual transmission clear indication.
   5. Communications failure with the central station or FACP.

E. Digital data transmission shall include the following:
   1. Address of the alarm-initiating device.
   2. Address of the supervisory signal.
   3. Address of the trouble-initiating device.
   4. Loss of ac supply.
   5. Loss of power.
   6. Low battery.
   7. Abnormal test signal.
   8. Communication bus failure.

F. Secondary Power: Integral rechargeable battery and automatic charger.

G. Self-Test: Conducted automatically every 24 hours with report transmitted to central station.

2.14 NETWORK COMMUNICATIONS

A. Provide network communications for fire alarm system according to fire alarm manufacturer's written requirements.

B. Provide network communications pathway per manufacturer's written requirements and requirements in NFPA 72 and NFPA 70.

C. Provide integration gateway using BACnet for connection to building automation system when required.

2.15 system printer. (EST PTIS)

A. General: Provide a dot-matrix type, listed and labeled as an integral part of the fire alarm system.

2.16 DEVICE GUARDS

A. Description: Welded wire mesh of size and shape for the device requiring protection.
   1. Factory fabricated and furnished by device manufacturer.
   2. Finish: Paint of color to match the protected device.
   3. Guards must be UL cross listed with devices being used.

PART 3 EXECUTION

3.1 EXAMINATION

A. Examine areas and conditions for compliance with requirements for ventilation, temperature, humidity, and other conditions affecting performance of the Work.
   1. Verify that manufacturer's written instructions for environmental conditions have been permanently established in spaces where equipment and wiring are installed, before installation begins.

B. Examine roughing-in for electrical connections to verify actual locations of connections before installation.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 EQUIPMENT INSTALLATION

A. Comply with NFPA 72, NFPA 101, and requirements of authorities having jurisdiction for installation and testing of fire alarm equipment. Install all electrical wiring to comply with requirements in NFPA 70 including, but not limited to, Article 760, "Fire Alarm Systems."
   1. Devices placed in service before all other trades have completed cleanup shall be replaced.
   2. Devices installed but not yet placed in service shall be protected from construction dust, debris, dirt, moisture, and damage according to manufacturer's written storage instructions.

B. Install wall-mounted equipment, with tops of cabinets not more than 78 inches above the finished floor.

C. Manual Fire Alarm Pull Stations:
   1. Install manual fire alarm pull station in the normal path of egress within 60 inches of the exit doorway.

D. Smoke or Heat Detector Spacing:
   1. Comply with the "Smoke-Sensing Fire Detectors" section in the "Initiating Devices" chapter in NFPA 72, for smoke-detector spacing.

2. Comply with the "Heat-Sensing Fire Detectors" section in the "Initiating Devices" chapter in NFPA 72, for heat-detector spacing.
3. Smooth ceiling spacing shall not exceed 30 feet.
4. Spacing of detectors for irregular areas, for irregular ceiling construction, and for high ceiling areas shall be determined according to Annex A or Annex B in NFPA 72.
5. HVAC: Locate detectors not closer than 36 inches from air-supply diffuser or return-air opening.
6. Lighting Fixtures: Locate detectors not closer than 12 inches from any part of a lighting fixture and not directly above pendant mounted or indirect lighting.

E. Install a cover on each smoke detector that is not placed in service during construction. Cover shall remain in place except during system testing. Remove cover prior to system turnover.

F. Remote Status and Alarm Indicators: Install in a visible location near each smoke detector, sprinkler water-flow switch, and valve-tamper switch that is not readily visible from normal viewing position.

G. Audible Alarm Indicating Devices: Install not less than 6 inches below the ceiling. Install bells and horns on flush-mounted back boxes with the device-operating mechanism concealed behind a grille. Install all devices at the same height unless otherwise indicated.

H. Visible Alarm-Indicating Devices: Install adjacent to each alarm horn and at least 6 inches below the ceiling. Install all devices at the same height unless otherwise indicated.

I. Device Location-Indicating Lights: Locate in public space near the device they monitor.

3.3 PATHWAYS

A. Fire alarm pathway and circuit wiring installation shall comply with NEC Article 760.

B. Where exposed, all fire alarm circuits shall be installed in dedicated EMT conduit.

C. Where existing wall devices are being replaced in the same location, install new fire alarm circuit wiring in existing conduit within wall (where available).

D. Pathways above recessed ceilings and in nonaccessible locations may be plenum-rated cable.

E. All pathways must be independently supported from the structure above.

F. Where passing through a wall or floor, provide a metal raceway or rigid nonmetallic conduit sleeve.

G. All penetrations of rated walls and floors shall be properly fire-stopped.

3.4 IDENTIFICATION

A. Provide an identification nameplate for each equipment cabinet. Nameplates shall correspond with labeling identified in the submittal drawings.

B. Fire alarm conduit shall be permanently labeled “FIRE ALARM” every 30 feet.

C. Fire alarm junction boxes shall be painted red.

D. All initiating and indicating devices shall be labeled with self-adhesive tape with black lettering and identification labeling according to circuit loop and device address/number.

E. Color code all wiring per recommended standards. Tag all wires in terminal cabinets with tie wrap tags with inked identification.

F. Install framed instructions in a location visible from FACP.

3.5 GROUNDING

A. Ground FACP and associated circuits; comply with IEEE 1100. Install a ground wire from main service ground to FACP.

B. Ground shielded cables at the control panel location only. Insulate shield at device location.

3.6 testing

A. The fire alarm system manufacturer or manufacturer’s authorized representative shall test and inspect components, assemblies, and equipment installations, including connections.

B. Tests shall be witnessed by District (Owner), Engineer of Record, and the Fire Department.

C. The following tests and inspections shall be performed:
   1. Visual Inspection: Conduct visual inspection prior to testing.
      a. Inspection shall be based on completed record Drawings and system documentation that is required by NFPA 72.
      b. Comply with the "Visual Inspection Frequencies" table in the "Inspection" section of the "Inspection, Testing and Maintenance" chapter in NFPA 72; retain the "Initial/Reacceptance" column and list only the installed components.
   2. System Testing: Comply with the "Test Methods" table in the "Testing" section of the "Inspection, Testing and Maintenance" chapter in NFPA 72.

3. Test audible appliances for the public operating mode according to manufacturer's written instructions. Perform the test using a portable sound-level meter complying with Type 2 requirements in ANSI S1.4.
4. Test visible appliances for the public operating mode according to manufacturer's written instructions.
5. System manufacturer shall prepare the "Fire Alarm System Record of Completion" in the "Documentation" section of the "Fundamentals" chapter in NFPA 72 and the "Inspection and Testing Form" in the "Records" section of the "Inspection, Testing and Maintenance" chapter in NFPA 72.

D. Reacceptance Testing: Perform reacceptance testing to verify the proper operation of added or replaced devices and appliances.

E. Fire alarm system will be considered defective if it does not pass tests and inspections.

3.7 closeout documentation

A. The fire alarm system manufacturer or manufacturer’s authorized representative shall prepare and submit to the Engineer of Record all NFPA 72 required closeout documentation including, but not limited to:
1. System Record of Completion
2. Notification Appliance Power Panel Supplementary Record of Completion
3. System Record of Inspection and Testing
4. Notification Appliance Supplementary Record of Inspection and Testing
5. Initiating Device Supplementary Record of Inspection and Testing
6. Periodic Inspection, Testing and Maintenance Documentation

B. Record Drawings, to include:
1. Minimum 1/8” scale floorplan drawings indicating all final device types, locations, ratings, settings and addresses
2. Wiring diagram of each device type
3. Riser diagram showing devices, device addresses, equipment, and interconnecting conduit and wire
4. Narrative of sequence of operation
5. Sequence of operation matrix (includes complete line-by-line listing for fire alarm initiating devices, device address and input/output matrix
6. Voltage drop calculations
7. Battery sizing calculations
8. Visual alarm power supply sizing calculations
9. Power supply calculations for door holders
10. Wire identification schedule
11. Legend

C. Operation and Maintenance Data: For fire-alarm systems and components to include in emergency, operation, and maintenance manuals.

D. Operating instructions for mounting at fire-alarm control unit and each annunciator unit.

E. Warranty documentation.

F. All closeout documentation shall be signed and sealed by a Registered Professional Engineer in New York State.

3.8 maintenance service

A. Initial Maintenance Service: Beginning at Substantial Completion, maintenance service shall include 12 months' full maintenance by skilled employees of manufacturer's designated service organization. Include preventive maintenance, repair or replacement of worn or defective components, lubrication, cleaning, and adjusting as required for proper operation. Parts and supplies shall be manufacturer's authorized replacement parts and supplies.
   1. Include visual inspections according to the "Visual Inspection Frequencies" table in the "Testing" paragraph of the "Inspection, Testing and Maintenance" chapter in NFPA 72.
   2. Perform tests in the "Test Methods" table in the "Testing" paragraph of the "Inspection, Testing and Maintenance" chapter in NFPA 72.

B. Perform tests per the "Testing Frequencies" table in the "Testing" paragraph of the "Inspection, Testing and Maintenance" chapter in NFPA 72.

3.9 DEMONSTRATION

A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain fire alarm system.

END OF SECTION

VALLEY CENTRAL SCHOOL DISTRICT
BEREA ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

ISSUED FOR BID: 10/18/24

CSARCH - ARCHITECTS

BLAKE ENGINEERING, PLLC - M.E.P. ENGINEERS

PASSERO ASSOCIATES - SITE/CIVIL AND STRUCTURAL ENGINEERS

AECC ENVIRONMENTAL CONSULTING - HAZARDOUS MATERIALS DESIGNERS

STATE EDUCATION DEPARTMENT PROJECT CONTROL NUMBER:

2023 CAPITAL PROJECT - PHASE 1 44-13-01-06-0-017-014

THE DESIGN OF THIS PROJECT CONFORMS TO APPLICABLE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AND THE MANUAL OF PLANNING STANDARDS OF THE NEW YORK STATE EDUCATION DEPARTMENT.

CSArch PROJECT NO. 187-2302.01

VICINITY MAP NTS

DRAWING LIST

REGISTERED ARCHITECT
THOMAS M. RITZENTHALER
023344
STATE OF NEW YORK

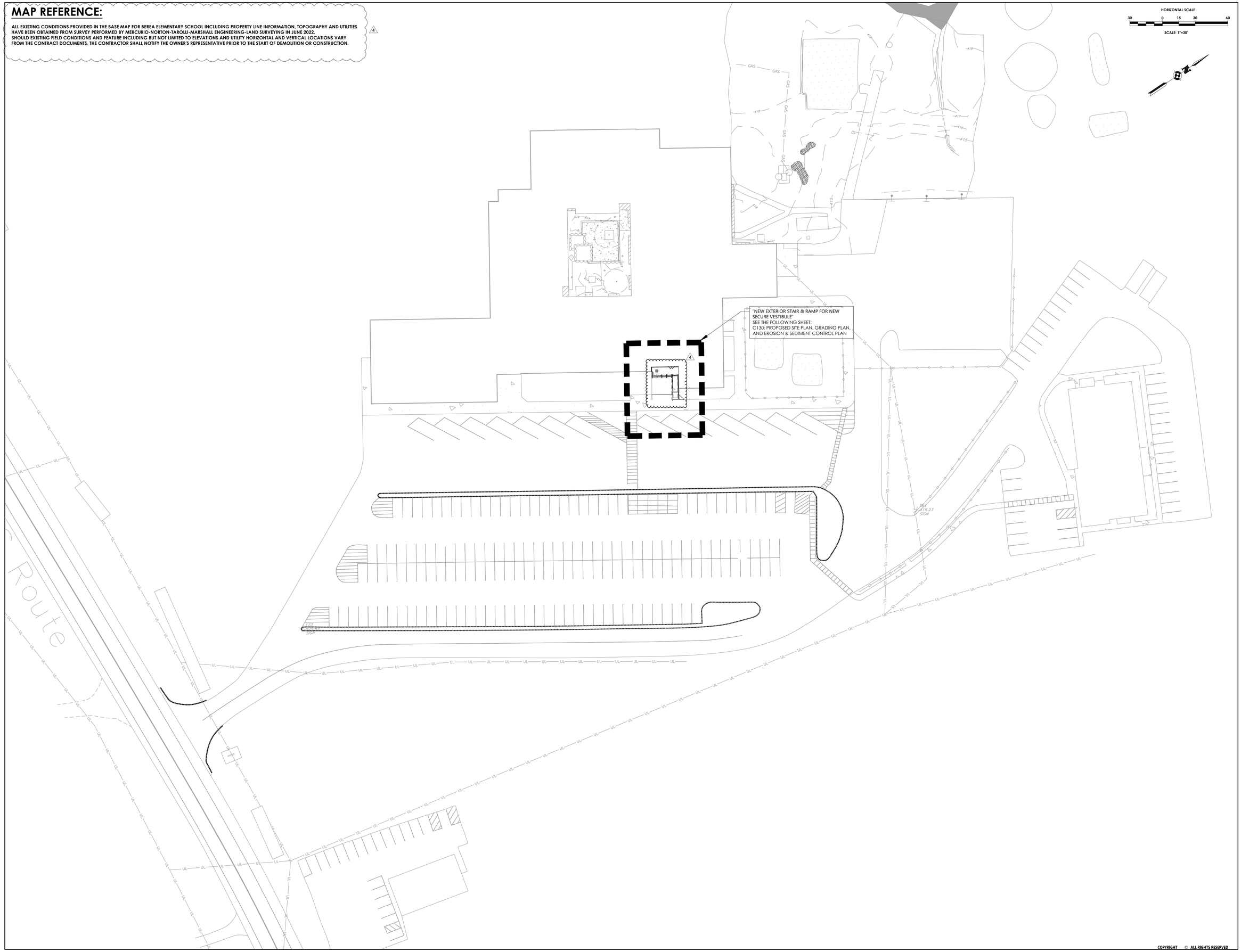
EXPIRATION DATE: 02/28/2025

VOLUME 1 OF 8

MAP REFERENCE:

ALL EXISTING CONDITIONS PROVIDED IN THE BASE MAP FOR BEREA ELEMENTARY SCHOOL INCLUDING PROPERTY LINE INFORMATION, TOPOGRAPHY AND UTILITIES HAVE BEEN OBTAINED FROM SURVEY PERFORMED BY MERCURIO-NORTON-TAROLLI-MARSHALL ENGINEERING-LAND SURVEYING IN JUNE 2022.
SHOULD EXISTING FIELD CONDITIONS AND FEATURE INCLUDING BUT NOT LIMITED TO ELEVATIONS AND UTILITY HORIZONTAL AND VERTICAL LOCATIONS VARY FROM THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO THE START OF DEMOLITION OR CONSTRUCTION.

4



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Consultant

Project Title

VALLEY CENTRAL SCHOOL DISTRICT
BEREA ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

STATE OF NEW YORK
CHRISTOPHER J. TAROLLI
102592
LICENSED PROFESSIONAL ENGINEER

4	11/19/24	BID ADDENDUM # 4
NO.	DATE	DESCRIPTION

Drawn By:	MTP
Checked By:	SK
Proj. #:	44-13-01-06-0-017-014
CSArch Proj. #:	187-2302.01
Issued for Bid:	10/18/24

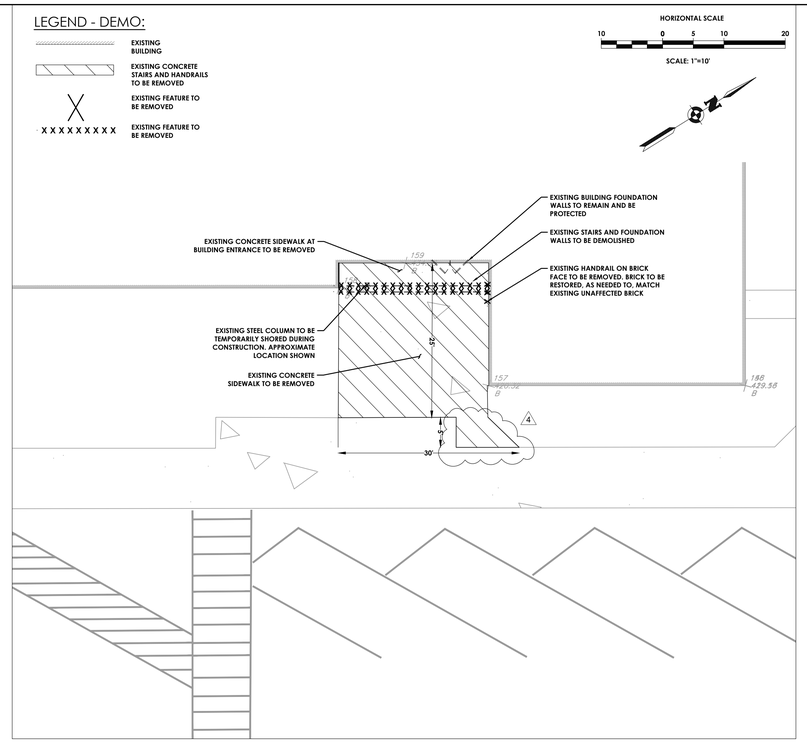
Sheet Title

KEY PLAN

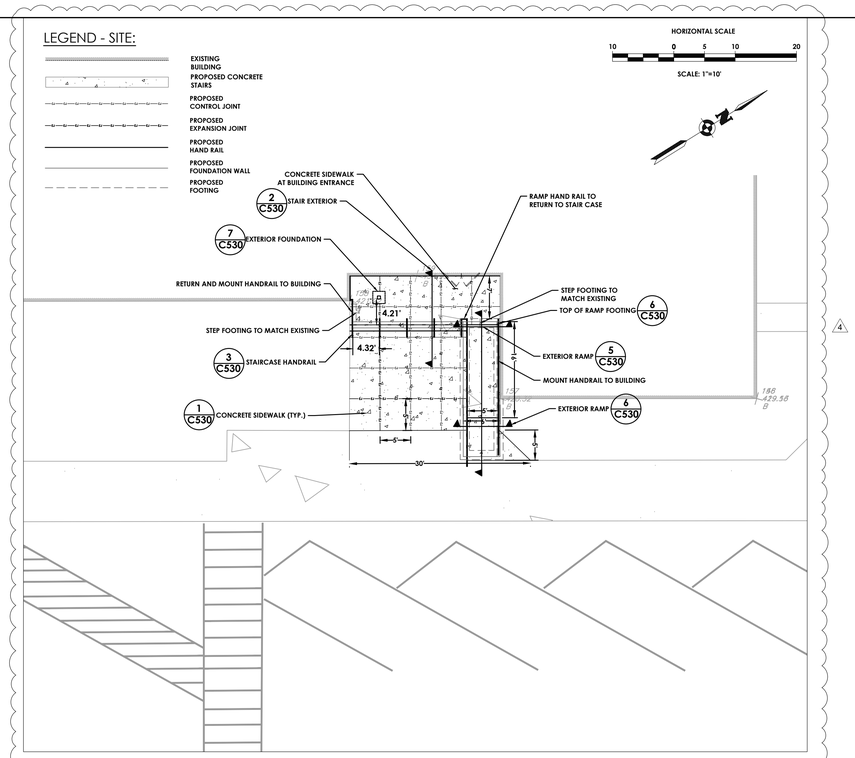
Sheet No.

BES
C100

CONSTRUCTION DOCUMENTS



1 DEMOLITION PLAN
SCALE: 1"=10'



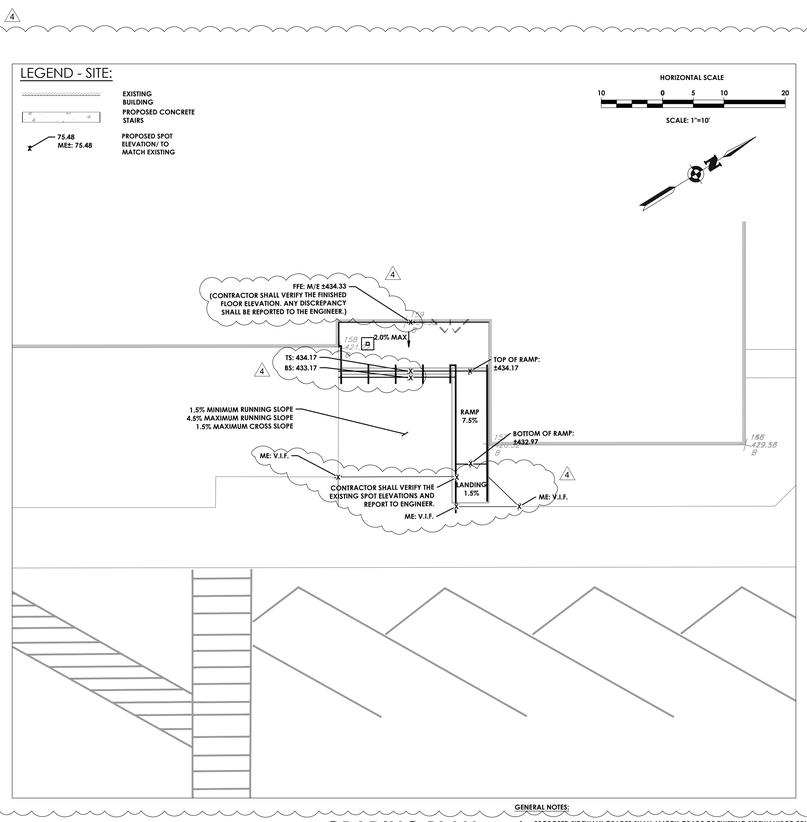
2 SITE PLAN
SCALE: 1"=10'

DEMOLITION NOTES:

4
1. SECURITY PROVIDE, INSTALL AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES.
2. U-DIG GENERAL SITE CONTRACTOR IS RESPONSIBLE TO CALL DIG SAFE PRIOR TO BEGINNING DEMOLITION.
3. VERIFICATION SITE CONTRACTOR TO VERIFY VERTICAL AND HORIZONTAL LOCATION OF ALL UTILITIES WITHIN THE WORK AREA OR THOSE EXPECTED TO BE AFFECTED BY NEW WORK, AND SUBSURFACE FEATURES. THE SITE CONTRACTOR MUST BRING ANY ISSUES TO THE DESIGN ENGINEER AND OBTAIN APPROVAL FROM THE OWNER'S REPRESENTATIVE UPON COMPLETION OF VERIFICATION PRIOR TO THE START OF DEMOLITION OR CONSTRUCTION.
4. RECORD MAP - DURING REMOVAL/DEMOLITION PROCESS THE SITE CONTRACTOR SHALL OBTAIN DETAILED RECORD INFORMATION TO ACCURATELY LOCATE ALL EXISTING UNDERGROUND UTILITIES ENCOUNTERED. THIS INFORMATION SHALL BE INCLUDED ON THE RECORD/AS-BUILT MAPS TO BE SUPPLIED BY THE SITE CONTRACTOR TO THE OWNER.
5. SHUTDOWNS SITE CONTRACTOR TO COORDINATE ALL UTILITY SHUT DOWNS, RELOCATIONS, SERVICE INSTALLATIONS WITH THE SCHOOL DISTRICT AND LOCAL UTILITY COMPANIES.
6. COORDINATION SITE CONTRACTOR SHALL COORDINATE THE REMOVAL OF DEMOLISHED MATERIAL WITH THE OWNER'S REPRESENTATIVE SITE FURNISHINGS AND MATERIAL DETERMINED TO TO BE REMOVED SHALL BE REMOVED AND EXPORTED OFFSITE IN A LEGAL MANNER AND IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
7. PROTECT ALL EXISTING FEATURES TO REMAIN. DAMAGE TO EXISTING ASPHALT, LAWN AND OTHER FEATURES TO REMAIN SHALL BE REPAIRED AT THE SITE CONTRACTOR'S EXPENSE.
8. DISTURBANCE ALL SURFACES THAT ARE DISTURBED DUE TO CONSTRUCTION, OUTSIDE OF THE MAJOR WORK AREAS, ARE TO BE RESTORED TO PRE-CONSTRUCTION CONDITION, IN ACCORDANCE WITH THE CONCRETE SECTION DETAILS INCLUDED IN THESE PLANS. LAWN AREAS ARE TO BE RE-ESTABLISHED WITH A MINIMUM OF 4 INCHES OF TOPSOIL AND SEED.
9. HAZARDOUS MATERIAL ANY MATERIALS CONTAINING ASBESTOS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. NOTE THIS MAY INCLUDE UNDERGROUND UTILITIES. SITE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE TO NOTIFY THEM OF ANY UNKNOWN HAZARDOUS MATERIAL.
10. EXISTING SERVICE SITE CONTRACTOR SHALL MAINTAIN SERVICE FROM ALL UTILITIES NOT SLATED FOR DEMOLITION AND SHALL REMAIN FUNCTIONAL UPON COMPLETION OF DEMOLITION.
11. EXISTING UTILITIES THAT ARE PROPOSED TO BE REMOVED, UNLESS OTHERWISE INDICATED, SHALL BE EXCAVATED, UTILITY MATERIAL REMOVED, AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE SPECIFICATIONS. ALL TRENCHES SHALL BE BACKFILLED WITH GRANULAR FILL, COMPACTED IN 12" LIFTS TO 95% MODIFIED PROCTOR TEST. ALL DISTURBED AREAS SHALL BE RESTORED IN KIND IN ACCORDANCE WITH THE DETAILS IN THESE PLANS AND AT A MINIMUM TO THEIR ORIGINAL STATE.
12. PERMITS SITE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL PERMITS REQUIRED FOR DEMOLITION AND CONSTRUCTION, INCLUDING ALL FEES ASSOCIATED WITH THOSE PERMITS, IN THE BID.
13. ENVIRONMENTAL CONDITIONS OR ISSUES, NOT PREVIOUSLY IDENTIFIED, ARE ENCOUNTERED DURING DEMOLITION, THE SITE CONTRACTORS(S) SHALL IMMEDIATELY NOTIFY THE OWNER AND ENGINEER BEFORE CONTINUING THE DEMOLITION PROCESS.
14. RECYCLE ALL MATERIALS WHEN APPROPRIATE.
15. SPOIL MATERIALS FROM DEMOLITION OR EARTHWORK, SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF AT THE SITE CONTRACTOR'S EXPENSE.
16. EXISTING STRUCTURES THAT ARE ABANDONED IN PLACE SHALL BE REMOVED TO A DEPTH OF 2 FEET BELOW FINISHED GRADE. STRUCTURES SHALL BE FILLED WITH CRUSHED STONE, (MEETING NYSDOT STANDARD SPECIFICATION SECTION 304) COMPACTED IN 12" LIFTS TO 95% MODIFIED PROCTOR TEST.
17. FIELD TILE IN THE EVENT FIELD TILE IS ENCOUNTERED, THE SITE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER. UNDER NO CIRCUMSTANCES SHALL FIELD TILE BE PERMITTED TO EXIST NEAR BUILDING FOUNDATIONS.

SITE PLAN NOTES:

1. LAYOUT THE DIMENSIONS SHOWN ARE TO THE FACE OF THE CURB AND INCLUDES THE OVERALL SIDEWALK WIDTH, WHERE APPLICABLE.
2. SUBBASE MATERIAL AND THE VARIOUS ASPHALT CONCRETE MATERIALS CALLED FOR IN THESE DRAWINGS SHALL CONFORM WITH THE REFERENCED SECTION OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED "LATEST EDITION". CONSTRUCTION SHALL BE AS FURTHER SET FORTH IN THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.
3. PLACE ASPHALT CONCRETE MIXTURE ON PREPARED SURFACE, SPREAD AND STRIKE-OFF USING A SELF-PROPELLED PAVING MACHINE, WITH VIBRATING SCREED. PLACEMENT IN INACCESSIBLE AND SMALL AREAS MAY BE BY HAND.
4. JOINTS PROVIDE JOINTS BETWEEN OLD AND NEW CONCRETE OR BETWEEN SUCCESSIVE DAYS WORK.
5. CLEAN SURFACE AFTER COMPLETION OF PAVING AND SURFACING OPERATIONS, CLEAN SURFACES OF EXCESS OR SPILLED ASPHALT, GRAVEL OR STONE MATERIALS TO THE SATISFACTION OF THE ENGINEER.



3 GRADING PLAN
SCALE: 1"=10'

GENERAL NOTES:
1. PROPOSED SIDEWALK GRADES SHALL MATCH GRADE OF EXISTING SIDEWALKS TO REMAIN.
2. SIDEWALK SLOPES SHALL NOT EXCEED 1.5% FOR CROSS SLOPES AND 5% FOR RUNNING SLOPES.
3. RAMP LANDING SLOPE SHALL NOT EXCEED 2.0%. RAMP RUNNING SLOPE SHALL NOT EXCEED 1:12 (8.33%).
4. WHERE NOTED, CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS IN FIELD AND REPORT TO TO ENGINEER PRIOR TO START OF CONSTRUCTION AND ORDERING MATERIALS.
5. WHERE ADJOINING EXISTING CONCRETE SIDEWALK, SCORING PATTERN IS SHOWN FOR REFERENCE ONLY. ACTUAL SCORING PATTERN SHALL MATCH ORIENTATION AND SPACING SIDEWALK FOR CONTINUITY.

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VALLEY CENTRAL SCHOOL DISTRICT
BEREA ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title

CHRISTOPHER J. LAPOINTE
STATE OF NEW YORK
102592
LICENSED PROFESSIONAL ENGINEER

4	11/19/24	BID ADDENDUM # 4
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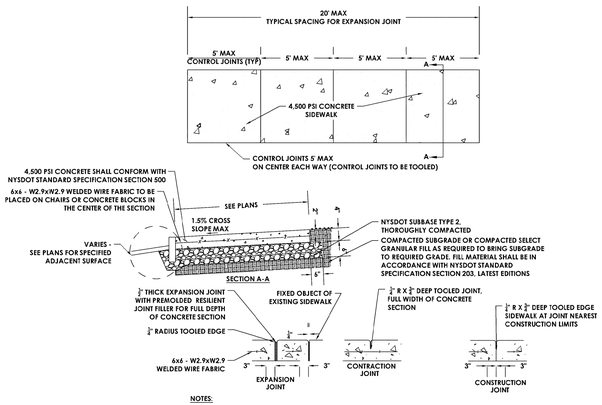
Sheet Title
SITE, GRADING AND ESC PLAN

Sheet No.
BES C130

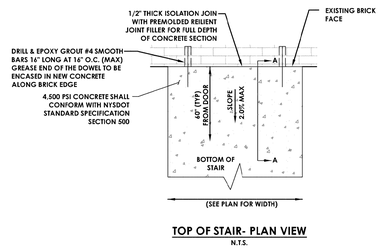
CONSTRUCTION DOCUMENTS



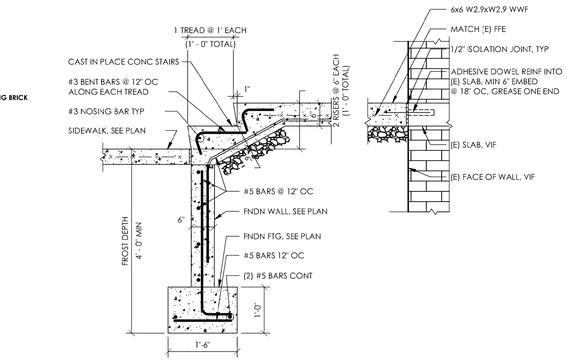
NOTES:

1. SIDEWALK WIDTH SHALL BE MEASURED FROM THE BACK OF THE CURB UNLESS OTHERWISE SPECIFIED.
2. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSE OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATION SECTION 203, LATEST EDITION
3. NYSDOT SUBBASE TYPE 2 SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION SECTION 304, LATEST EDITION.
4. CONCRETE SHALL NOT BE PLACE UNLESS THE AMBIENT AIR SURFACE TEMPERATURE IS ABOVE 40 DEGREES UNLESS DISCUSSED WITH OWNER AND ENGINEER.
5. SIDEWALKS SHALL HAVE A CROSS SLOPE OF 1.5% PER FOOT UNLESS OTHERWISE SPECIFIED ON THE PLANS.
6. ALL EXPOSED CONCRETE SURFACES SHALL BE BROOM FINISHED AND THE EDGES SHALL BE FINISHED WITH A 1.5" RADIUS EDGING TOOL.
7. THE FINISHED CONCRETE SURFACE SHALL BE TREATED WITH CONCRETE SEALER. RATE AND METHOD OF APPLICATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

1 TYPICAL SIDEWALK DETAIL
N.T.S.

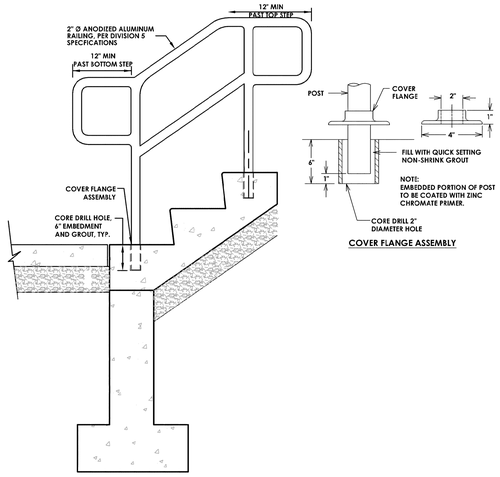


TOP OF STAIR- PLAN VIEW
N.T.S.



SECTION A-A
0" 6" 1' 2' 4'
3/4" = 1'-0"

2 EXTERIOR STAIR



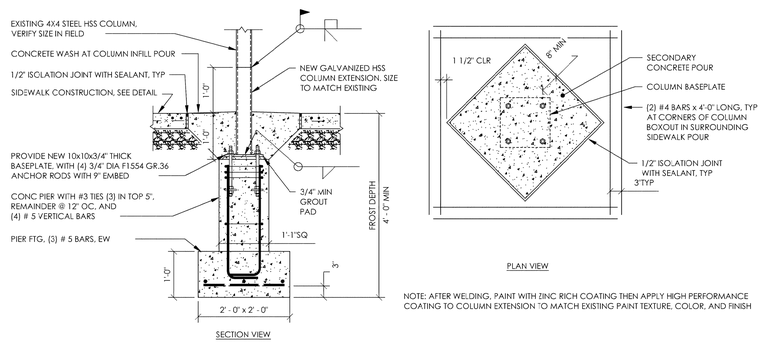
COVER FLANGE ASSEMBLY

3 STAIRCASE HANDRAIL
N.T.S.

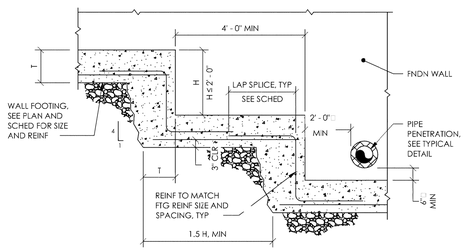
4 EXTERIOR RAMP

5 EXTERIOR RAMP

6 EXTERIOR RAMP



7 EXTERIOR FNDN
0" 6" 1' 2' 4'
3/4" = 1'-0"



8 TYPICAL WALL FOOTING STEP DETAIL
N.T.S.

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VALLEY CENTRAL SCHOOL DISTRICT
BEREA ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title

STATE OF NEW YORK
CHRISTOPHER J. LAPOINTE
102592
LICENSED PROFESSIONAL ENGINEER

4	11/19/24	BID ADDENDUM #4
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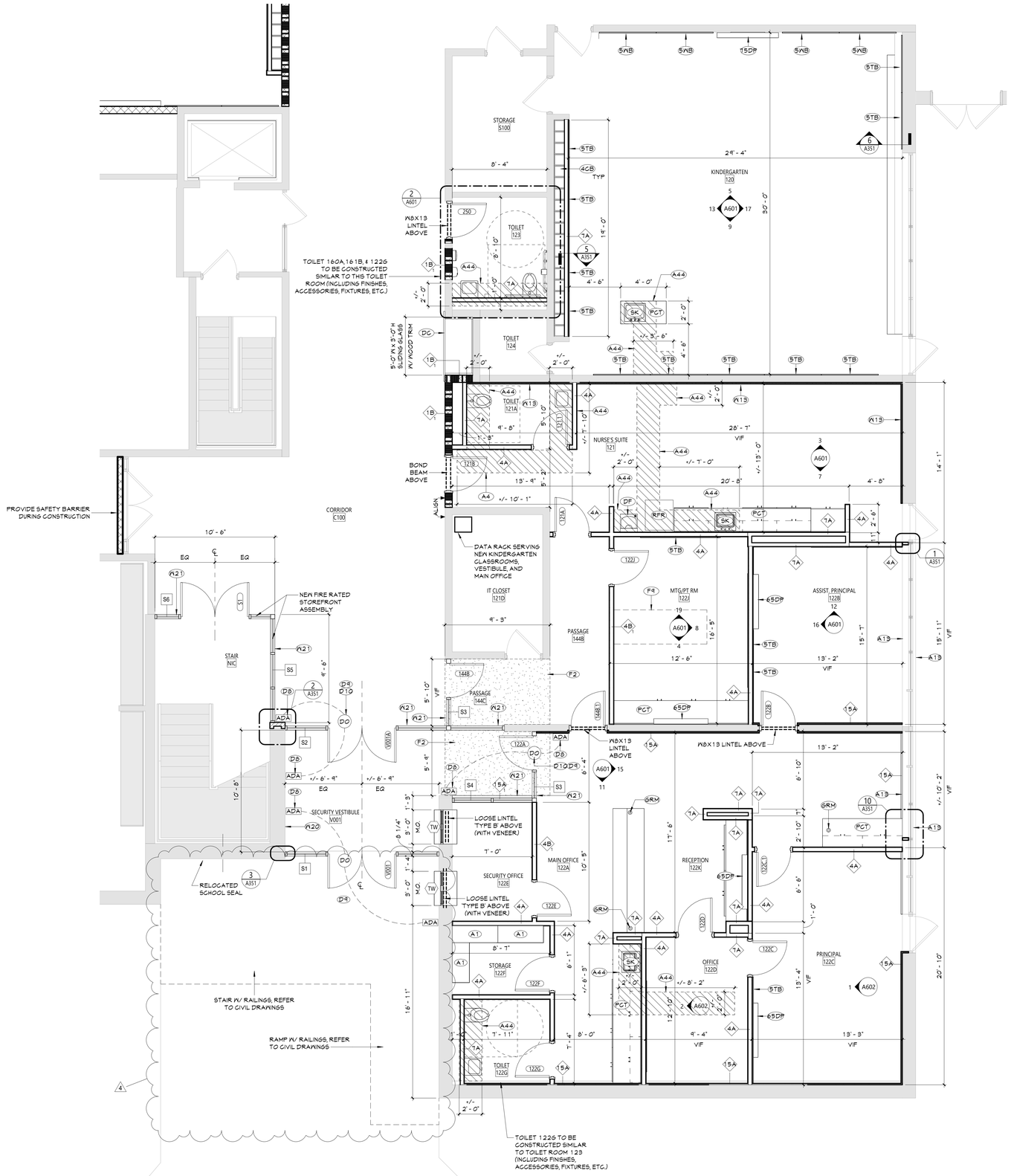
Sheet Title

DETAILS

Sheet No.

BES
C530

CONSTRUCTION DOCUMENTS



1 AREA A - PARTIAL FIRST FLOOR PLAN
A111 1/4" = 1'-0"

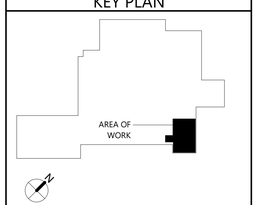
GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A600 SERIES DRAWINGS FOR ADDITIONAL DIMENSIONS AND DETAILED INFORMATION OF CABINETRY.
3. REFER TO A900 SERIES DRAWINGS FOR DOOR, STOREFRONT, CURTAINWALL, WINDOW AND LOUVER SCHEDULES, DETAILS AND NOTES.
4. REFER TO SHEET A701 FOR PARTITION TYPES AND ADDITIONAL NOTES.

NEW WORK KEYNOTES

#	Description
4GB	CUBBIE, 4'.
5TB	TACKABLE SURFACE BOARD, 5'.
5WB	WHITEBOARD, 5'.
65DP	65" PR DISPLAY.
75DP	75" PR DISPLAY MONITOR.
A1	PROVIDE METAL SHELVES
A4	PROVIDE TOILET PAPER DISPENSER.
A13	PATCH WALL TO MATCH WHERE MECHANICAL UNIT WAS PREVIOUSLY REMOVED.
A44	PROVIDING TRENCHING OF FLOOR SLAB TO ACCOMMODATE PIPING WORK. PATCH CONCRETE SLAB AFTER COMPLETION OF PIPING WORK. COORDINATE EXTENT OF TRENCHING WITH PLUMBING DRAWINGS.
D8	PROVIDE SPECIFIED ADA PADDLE SWITCH TIED INTO NEW RELAY AND CONNECTED TO DOOR OPERATOR AS INDICATED. COORDINATE WORK WITH DOOR HARDWARE AND SECURITY VENDOR.
D9	INSTALL POWER SUPPLY/POWER TRANSFER FOR ELECTRIFIED DOOR HARDWARE.
D10	PROVIDE SPECIFIED DOOR OPERATOR AND SPECIFIED SWING SENSOR TIED INTO NEW RELAY AND CONNECTED TO ADA PADDLE SWITCH AS INDICATED. COORDINATE WORK WITH DOOR HARDWARE AND SECURITY VENDOR.
DC	NEW DISPLAY CASE. SEE PLAN FOR DIMENSIONS. SILL TO BE AT 3'-0" A.F.F. INFILL AROUND ALL SIDES WITH METAL STUDS AND PAINTED GWB.
DF	DRINKING FOUNTAIN, REFER TO PLUMBING DRAWINGS
F2	PROVIDE SELF-LEVELING CEMENTITIOUS UNDERLAYMENT TO ACHIEVE LEVEL SURFACE FOR FINISHED FLOORING.
F9	TRENCH SLAB TO PROVIDE CONDUIT FOR POWER/DATA FLOOR BOXES. INFILL TRENCH WITH NEW CONCRETE WHEN ELECTRICAL INSTALLATIONS ARE COMPLETE. PROVIDE SCHEDULED FLOOR FINISH. COORDINATE WITH ELECTRICAL DRAWINGS.
GRM	GROMMET IN COUNTERTOP FOR DATA CONNECTIONS. COORDINATE LOCATIONS WITH ELECTRICAL DRAWINGS.
PCT	PLAM COUNTER TOP, CONTINUOUS.
RFR	REFRIGERATOR, NOT-IN-CONTRACT.
SK	SINK, REFER TO PLUMBING DRAWINGS
W13	PROVIDE 1/2" GWB, PAINTED, ON METAL FURRING OVER EXISTING CMU WALL.
W20	REINSTALL SALVAGED PLAQUES IN NEW LOCATION. VERIFY LOCATION WITH OWNER.
W21	PROVIDE METAL STUD PARTITION WITH 5/8" TYPE X GYPSUM WALL BOARD (BOTH SIDES) ABOVE NEW STOREFRONT FRAMING SYSTEM. PARTITION TO BE MOUNTED TO STRUCTURAL DECK ABOVE.

KEY PLAN



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Project Title

VALLEY CENTRAL SCHOOL DISTRICT
BEREA ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

EXPIRATION DATE: 02/28/2025

#	DATE	DESCRIPTION
4	11/19/24	BID ADDENDUM #4
3	11/8/24	BID ADDENDUM #3
2	11/1/24	BID ADDENDUM #2
1	10/25/24	BID ADDENDUM #1

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Sheet Title
ENLARGED FLOOR PLAN - FIRST FLOOR - AREA A

Sheet No.
BES
A111

CONSTRUCTION DOCUMENTS

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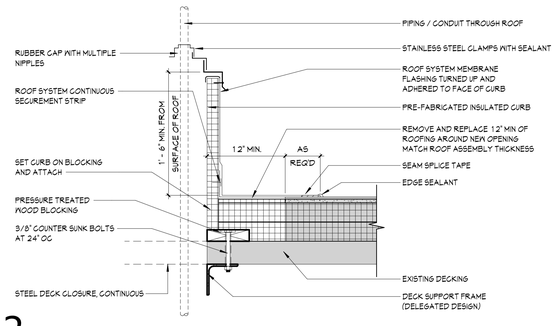
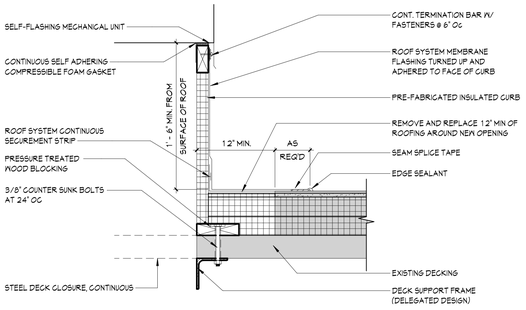


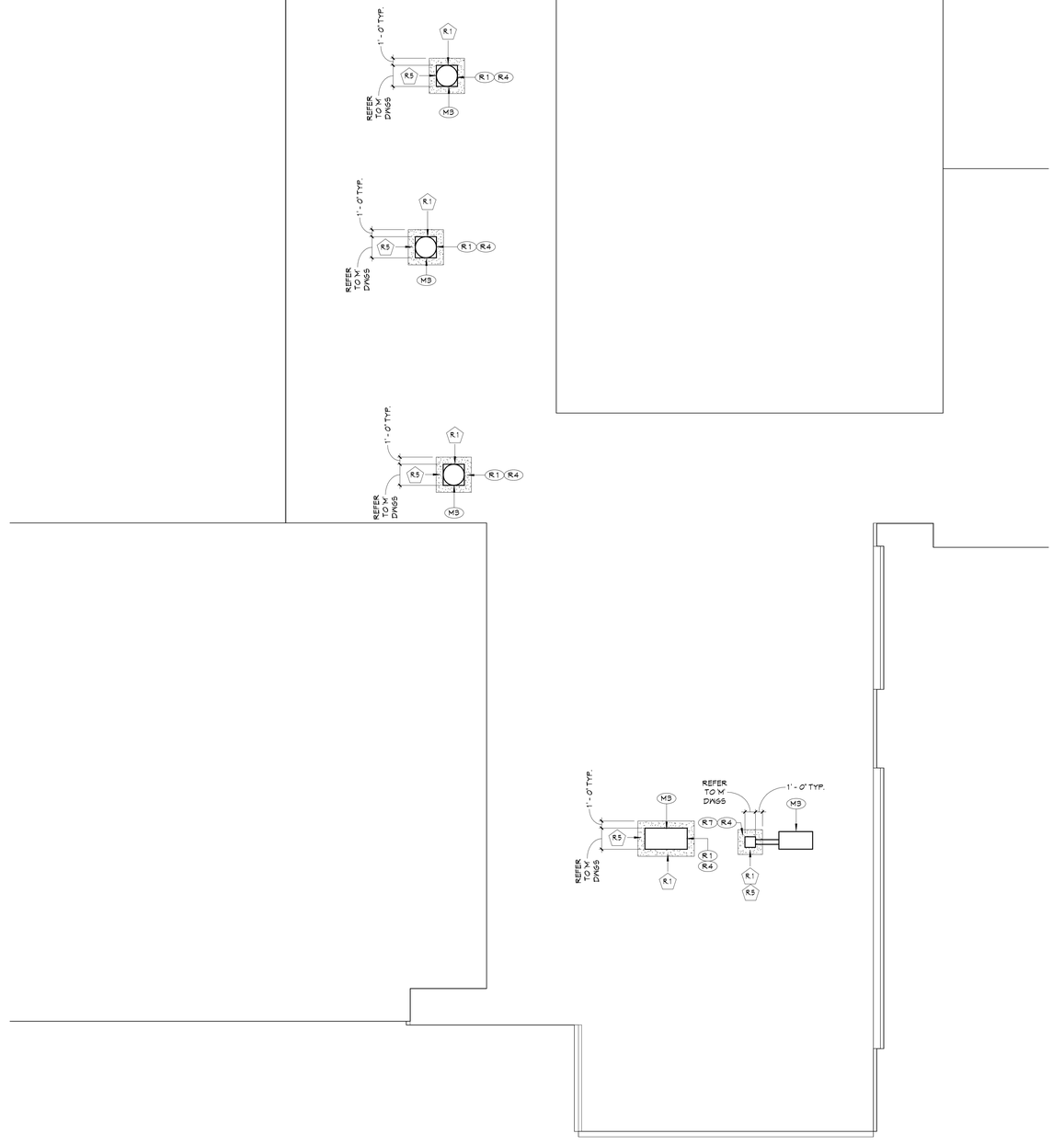
3 PIPE BOOT/CURB DETAIL

A401 1 1/2" = 1'-0"



2 EQUIPMENT CURB DETAIL

A401 1 1/2" = 1'-0"



1 ROOF PLAN - DEMOLITION AND NEW WORK

A401 1/8" = 1'-0"

GENERAL REMOVAL NOTES

1. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.
2. PATCH AND REPLACE EXISTING AND NEWLY CREATED HOLES IN WALLS (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION.
3. SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, UNO
4. ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORING SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING WALLS.
5. REFER TO ASBESTOS AND MEP DRAWINGS FOR ADDITIONAL REMOVAL INFORMATION.
6. PROVIDE TEMPORARY SHORING AS NECESSARY AT ALL AREAS OF WALL REMOVAL AND NEW WALL PENETRATIONS.
7. DRILL CORNERS OF ALL NEW SAWCUT OPENING PRIOR TO SAWCUTTING, TO PREVENT CUTTING INTO SCHEDULED CONSTRUCTION TO REMAIN.

GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A600 SERIES DRAWINGS FOR ADDITIONAL DIMENSIONS AND DETAILED INFORMATION OF CABINETRY.
3. REFER TO A900 SERIES DRAWINGS FOR DOOR, STOREFRONT, CURTAINWALL, WINDOW AND LOUVER SCHEDULES, DETAILS AND NOTES.
4. REFER TO SHEET A701 FOR PARTITION TYPES AND ADDITIONAL NOTES.

DEMOLITION KEYNOTES

#	Description
R1	REMOVE PORTION OF EXISTING ROOF SYSTEM INCLUDING ROOF DECKING TO PROVIDE A NEW ROOF OPENING TO ACCOMMODATE MECHANICAL WORK. REFER TO MEP DRAWINGS.
R5	REMOVE 12" MINIMUM OF EXISTING ROOFING SYSTEM AROUND THE PERIMETER OF NEW ROOF OPENING TO ACCOMMODATE MEP WORK.

NEW WORK KEYNOTES

#	Description
M3	MECHANICAL EQUIPMENT, REFER TO MEP DRAWINGS.
R1	PROVIDE ROOF FLASHING AROUND NEW EQUIPMENT CURB.
R4	PROVIDE 12" MINIMUM OF NEW ROOFING SYSTEM AROUND THE PERIMETER OF NEW ROOF EQUIPMENT.
R7	PROVIDE PIPE PORTAL.

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VALLEY CENTRAL SCHOOL DISTRICT
BEREA ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title

REGISTERED ARCHITECT
DESIGNS & WITNESSED
STATE OF NEW YORK
023343
EXPIRATION DATE: 02/28/2025

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Sheet Title

ROOF PLAN AND DETAILS

Sheet No.

BES A401

CONSTRUCTION DOCUMENTS

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ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	Room Style	FLOOR		Wall Finish	Accent_Wall	CEILING	Comments
			FINISH	BASE				
105	COUNSELOR	COUNSELOR	ETR	ETR, RB-2	ETR/ PNT-5			
120	KINDERGARTEN	CLASSROOM ETR	ETR, VCT-1	ETR, RB-2	PNT-1			
121	NURSE'S SUITE	NURSE	LVT-1	RB-1	PNT-1	PNT-2		
121A	TOILET	TOILET	CFT-1	CTB-1	CWT-1,2,3,4			
121D	IT CLOSET	IT CLOSET	LVT-1	RB-1	PNT-1			
122A	MAIN OFFICE	OFFICE LVT	LVT-1	RB-1	PNT-1			
122AA	STORAGE	CLASSROOM STORAGE	LVT-2	RB-1	PNT-1			
122B	ASSIST. PRINCIPAL	OFFICE CPT	CPT-1	RB-1	PNT-1			
122C	PRINCIPAL	OFFICE CPT	CPT-1	RB-1	PNT-1			
122D	OFFICE	OFFICE CPT	CPT-1	RB-1	PNT-1			
122E	SECURITY OFFICE	OFFICE CPT	CPT-1	RB-1	PNT-1			
122F	STORAGE	STORAGE OFFICES	LVT-1	RB-1	PNT-1			
122G	TOILET	TOILET	CFT-1	CTB-1	CWT-1,2,3,4			
122J	MTG/PT RM	OFFICE CPT	CPT-1	RB-1	PNT-1			
122K	RECEPTION	OFFICE LVT	LVT-1	RB-1	PNT-1			
123	TOILET	TOILET	CFT-1	CTB-1	CWT-1,2,3,4			
144B	PASSAGE	OFFICE LVT	LVT-1	RB-1	PNT-1			
160	KINDERGARTEN	CLASSROOM	LVT-2,3	RB-1	PNT-1			
160A	TOILET	TOILET	CFT-1	CTB-1	CWT-1,2,3,4			
161	KINDERGARTEN	CLASSROOM	LVT-2,3	RB-1	PNT-1			
161.1	STORAGE	CLASSROOM STORAGE	LVT-2	RB-1	PNT-1			
161B	TOILET	TOILET	CFT-1	CTB-1	CWT-1,2,3,4			
162	STORAGE	CLASSROOM STORAGE	LVT-2	RB-1	PNT-1			
238	CORRIDOR	CORRIDOR C100	ETR	ETR/ TB-1	ETR/ PNT-3,4			
C100	CORRIDOR	CORRIDOR C100	ETR	ETR/ TB-1	ETR/ PNT-3,4			
V001	SECURITY VESTIBULE	VESTIBULE	ETR, LVT-1	ETR/ RB-1	ETR/PNT-1			

4

MATERIALS LEGEND

MATERIAL	MANUFACTURER	MODEL	COLOR #/NAME	SIZE	NOTE
CARPET TILE					
CPT-1	PATCRAFT	ON NEUTRAL GROUND - RAW EDGE	00580 MOIRE	18" X 36"	OFFICES (ASHLAR)
CERAMIC FLOOR TILE					
CFT-1	DALTILE	PORTFOLIO	PF04 DOVE GREY MATTE	12" X 24"	TYP. FLOOR
CERAMIC TILE BASE					
CTB-1	DALTILE	COLOR WHEEL LINEAR	X114 DESERT GRAY GLOSS	4"	TOILETS
CERAMIC WALL TILE					
CWT-1	DALTILE	COLOR WHEEL LINEAR	0190 ARCTRIC WHITE GLOSS	4" X 12"	GENERAL WALL TILE
CWT-2	DALTILE	COLOR WHEEL LINEAR	1174 SEA BREEZE GLOSS	4" X 12"	GENERAL WALL TILE
CWT-3	DALTILE	COLOR WHEEL LINEAR	X114 DESERT GRAY GLOSS	4" X 12"	GENERAL WALL TILE
CWT-4	DALTILE	COLOR WHEEL LINEAR	0182 SUEDE GRAY GLOSS	4" X 12"	GENERAL WALL TILE
LAMINATE					
PLAM-1	WILSONART	LAMINATE	5034-38 HANDSPUN DOVE		WORKSURFACE OFFICE
PLAM-2	WILSONART	LAMINATE	8221-38 SAP WALNUT		CASEWORK BASE OFFICE
PLAM-3	WILSONART	LAMINATE	AS SELECTED FROM FULL RANGE OF COLOR / MATCH EXISTING		CASEWORK CLASSROOMS
LUXURY VINYL TILE					
LVT-1	MANNINGTON COMMERCIAL	COLOR ANCHOR - GROOVE	C141 MISTY MOUNTAIN	6" X 36"	MAIN OFFICE SUITE (SQUARE EDGE)
LVT-2	MANNINGTON COMMERCIAL	COLOR ANCHOR - GROOVE	C141 MISTY MOUNTAIN	18" X 18"	CLASSROOM (SQUARE EDGE)
LVT-3	MANNINGTON COMMERCIAL	COLOR ANCHOR - GROOVE	C109 ISLAND BLUE	18" X 18"	CLASSROOM ACCENT (SQUARE EDGE)
PAINT					
PNT-1	SHERWIN WILLIAMS	EGG-SHELL	SW 7631 CITY LOFT		GENERAL WALL PAINT
PNT-2	SHERWIN WILLIAMS	EGG-SHELL	SW 6516 DOWN POUR		ACCENT WALL PAINT
PNT-3	SHERWIN WILLIAMS	EGG-SHELL	AS SELECTED FROM FULL RANGE OF COLOR / MATCH EXISTING		CORRIDOR
PNT-4	SHERWIN WILLIAMS	EGG-SHELL	AS SELECTED FROM FULL RANGE OF COLOR / MATCH EXISTING		CORRIDOR
PNT-5	SHERWIN WILLIAMS	EGG-SHELL	AS SELECTED FROM FULL RANGE OF COLOR / MATCH EXISTING		COUNSELOR
PNT-6	SHERWIN WILLIAMS	SEMI-GLOSS	SW 7615 SEA SERPENT		HM DOOR PAINT
PNT-7	SHERWIN WILLIAMS	FLAT	SW 7005 PURE WHITE		GYP. CEILING
RUBBER BASE					
RB-1	TARKETT	BASEWORKS	92 BLUE LAGOON	4"	TYPICAL
RB-2	TARKETT	BASEWORKS	AS SELECTED FROM FULL RANGE OF COLOR / MATCH EXISTING	4"	PATCH @ CLASSROOM
TERRAZZO BASE					
TB-1	TERRAZZO		AS SELECTED FROM FULL RANGE OF COLOR / MATCH EXISTING	MATCH EXISTING	CORRIDOR
VINYL COMPOSITION TILE					
VCT-1	ARMSTRONG	STANDARD EXCELON	AS SELECTED FROM FULL RANGE OF COLOR / MATCH EXISTING	12" X 12"	PATCH @ CLASSROOM

4

DISCLAIMER NOTE

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ABBREVIATIONS

ACMU	ARCHITECTURAL CONCRETE MASONRY UNIT
ACT	ACOUSTICAL CEILING TILE
APC	ACOUSTICAL PANEL CEILING
BBT	BIO-BASED TILE
BRK	BRICK
CFT	CERAMIC FLOOR TILE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CPT	CARPET
CTB	CERAMIC TILE BASE
CWT	CERAMIC WALL TILE
ETR	EXISTING TO REMAIN
EXP	EXPOSED
EXST	EXISTING
FAC/FF	FACTORY FINISH
GWB	GYPSUM WALL BOARD
LMC	LINEAR METAL CEILING
LVT	LUXURY VINYL TILE
MSS	MUSIC STORAGE SYSTEM
MWP	METAL WALL PANEL
PCON	POLISHED CONCRETE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PNT	PAINT
RAF	RESILIENT ATHLETIC FLOORING
RB	RUBBER BASE
RF	RESINOUS FLOORING
RST	RUBBER STAIR TREAD / LANDING
RT	RUBBER TILE FLOORING
SCONC	SEALED CONCRETE
SS	STAINLESS STEEL
STF	SYNTHETIC TURF FLOORING
STL	STEEL
TB	TERRAZZO BASE
TERR	TERRAZZO
TP	TOILET PARTITIONS
TYP	TYPICAL
VCT	VINYL COMPOSITION TILE
VCTAS	VINYL COMPOSITION TILE ANTI-STATIC
VWC	VINYL WALLGOVERING
WAF	WOOD ATHLETIC FLOORING
WD	WOOD
WOM	WALK-OFF MAT

GENERAL FINISH NOTES

1. ALL EXPOSED SURFACES OF NEW PARTITIONS ARE TO BE PAINTED.
2. WHEN ANY WORK IS PERFORMED ON ANY EXISTING WALL, THE ENTIRE WALL SURFACE IS TO BE PAINTED CORNER TO CORNER, UNLESS NOTED OTHERWISE.
3. ALL ELECTRIC, MECHANICAL COMPONENTS AND TELEPHONE PANELS EXPOSED IN A ROOM TO MATCH WALL COLOR.
4. ALL NEW GWB CEILINGS, FASCIAS, AND SOFFITS TO BE PAINTED PNT-1.
5. NEW HM DOORS, DOOR FRAMES AND WINDOW FRAMES AND ETR CORRIDOR DOOR & WINDOW FRAMES AS SCHEDULED ON A600 SERIES DRAWINGS.

FINISH KEYS

Room Name
101
Wall Finish
Base Finish
Floor Finish
= Finish Tag

PNT-# ACCENT PAINT LOCATION

= VCT-1
= LVT-1
= LVT-2
= LVT-3
= CPT-1
= CFT-1

4

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VALLEY CENTRAL SCHOOL DISTRICT
BEREA ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title

REGISTERED ARCHITECT
ANDREW E. RITZENHEIM
022344
STATE OF NEW YORK

EXPIRATION DATE: 02/28/2025

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Sheet Title

MATERIAL SCHEDULE

Sheet No.

BES AF001

CONSTRUCTION DOCUMENTS

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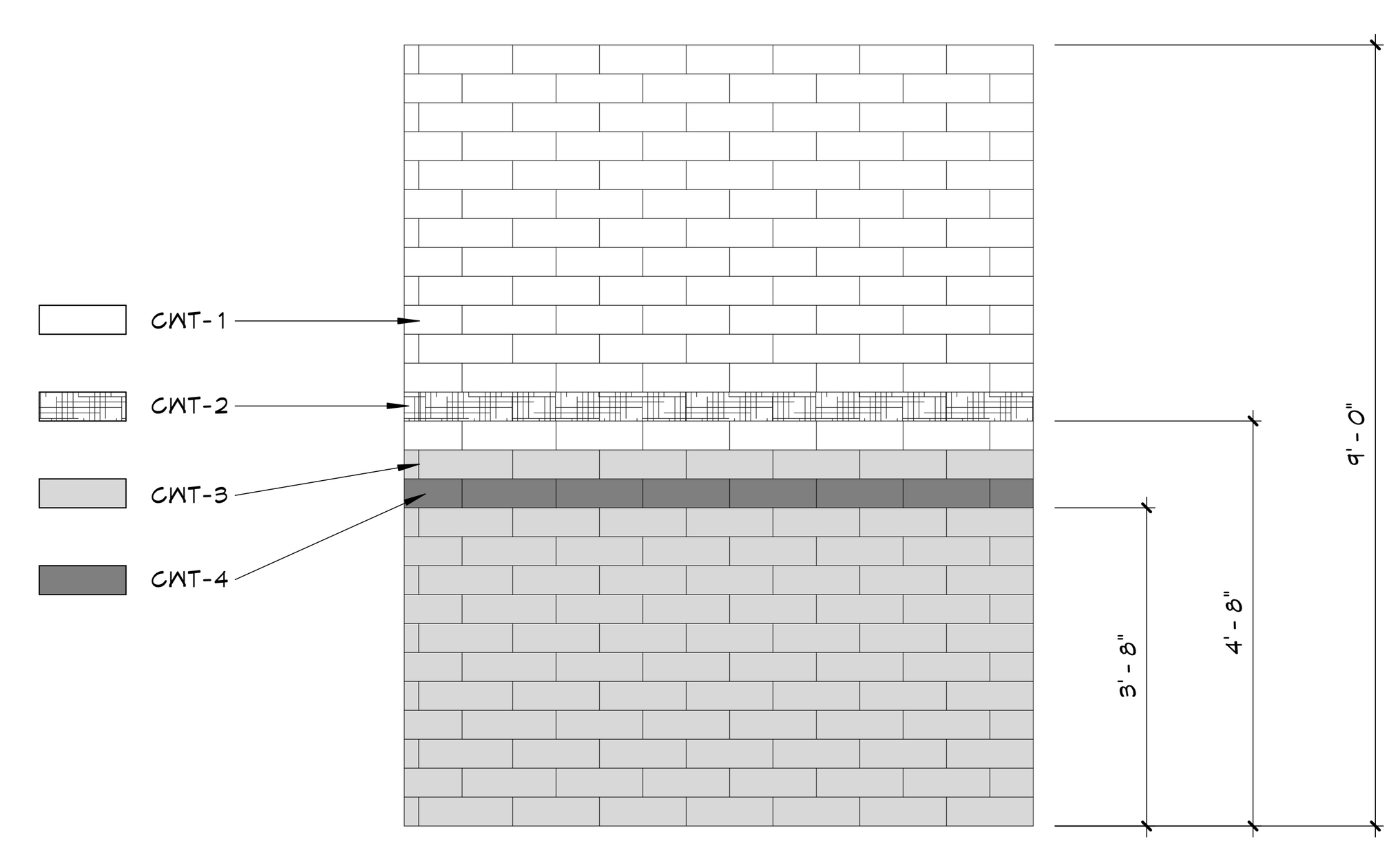

TYPICAL TILE PATTERN
TOILET ROOMS
ALL SIDES

1 AREA A - PARTIAL FIRST FLOOR FINISHES PLAN
AF111 1/4" = 1'-0"

DISCLAIMER NOTE

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CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CPT	CARPET
CTB	CERAMIC TILE BASE
CWT	CERAMIC WALL TILE
ETR	EXISTING TO REMAIN
EXP	EXPOSED
EXST	EXISTING
FAC/FF	FACTORY FINISH
GWB	GYPSUM WALL BOARD
LMC	LINEAR METAL CEILING
LVT	LUXURY VINYL TILE
MSS	MUSIC STORAGE SYSTEM
MWP	METAL WALL PANEL
PCON	POLISHED CONCRETE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PNT	PAINT
RAF	RESILIENT ATHLETIC FLOORING
RB	RUBBER BASE
RF	RESINOUS FLOORING
RST	RUBBER STAIR TREAD / LANDING
RT	RUBBER TILE FLOORING
SCONC	SEALED CONCRETE
SS	STAINLESS STEEL
STF	SYNTHETIC TURF FLOORING
STL	STEEL
TB	TERRAZZO BASE
TERR	TERRAZZO
TP	TOILET PARTITIONS
TYP	TYPICAL
VCT	VINYL COMPOSITION TILE
VCTAS	VINYL COMPOSITION TILE ANTI-STATIC
VWC	VINYL WALLCOVERING
WAF	WOOD ATHLETIC FLOORING
WD	WOOD
WOM	WALK-OFF MAT

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4. ALL NEW GWB CEILINGS, FASCIAS, AND SOFFITS TO BE PAINTED PNT-1.
5. NEW HM DOORS, DOOR FRAMES AND WINDOW FRAMES AND ETR CORRIDOR DOOR & WINDOW FRAMES AS SCHEDULED ON A600 SERIES DRAWINGS.

FINISH KEYS

Room Name / 101 / Wall Finish / Base Finish / Floor Finish = Finish Tag

PNT-# = ACCENT PAINT LOCATION

= VCT-1

= LVT-1

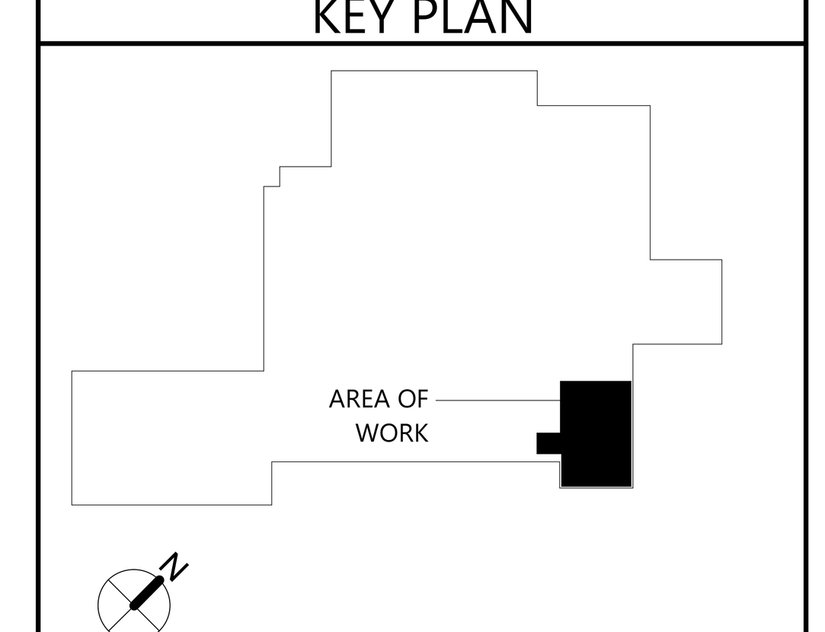
= LVT-2

= LVT-3

= CPT-1

= CFT-1

KEY PLAN



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Project Title

VALLEY CENTRAL SCHOOL DISTRICT
BEREA ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

REGISTERED ARCHITECT — STATE OF NEW YORK
EXPIRATION DATE: 02/28/2025

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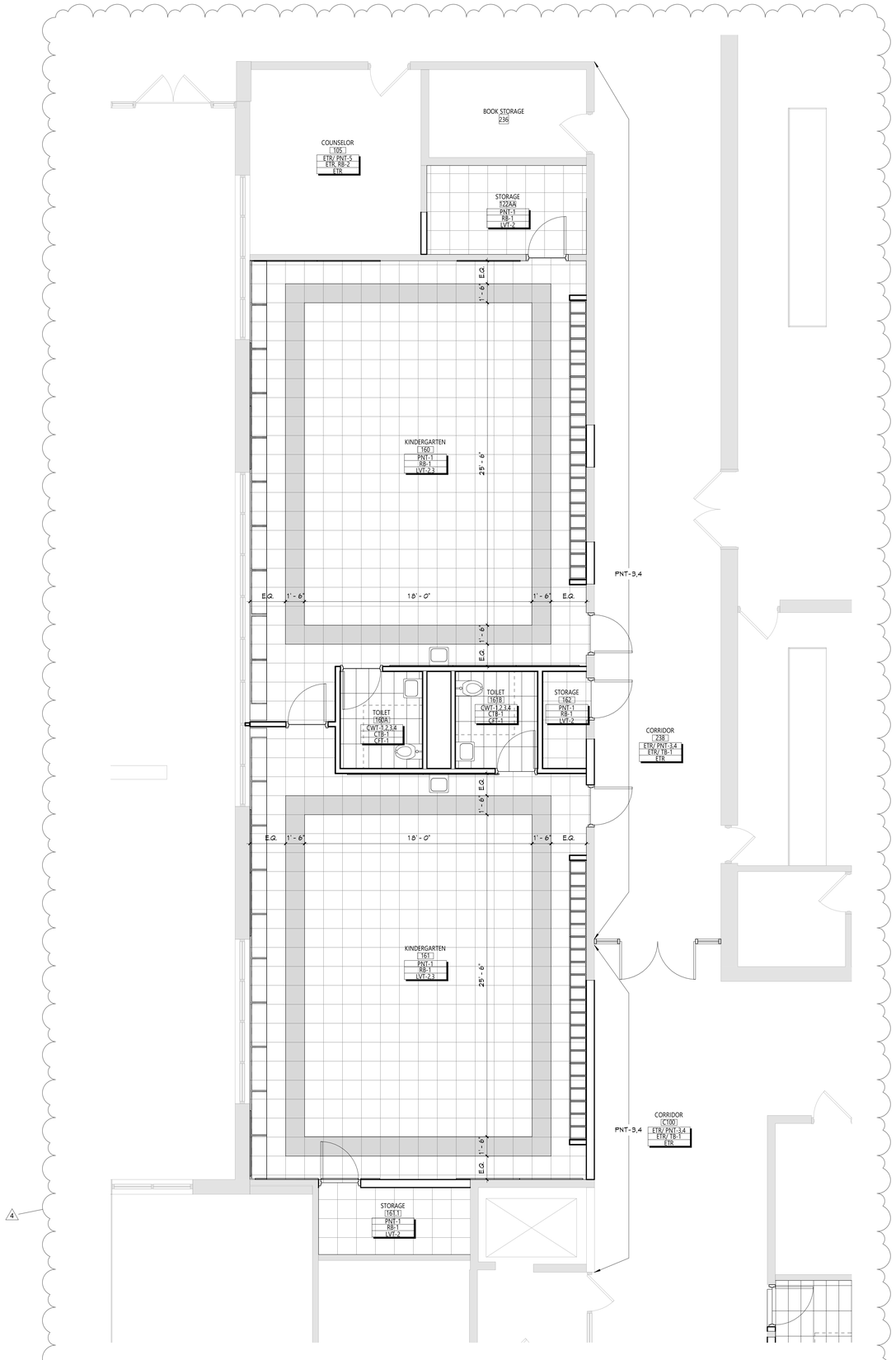
Sheet Title
ENLARGED FLOOR FINISHES PLAN - FIRST FLOOR - AREA A

Sheet No.
BES AF111

CONSTRUCTION DOCUMENTS



1 AREA B - PARTIAL FIRST FLOOR FINISHES PLAN
AF112 1/4" = 1'-0"

DISCLAIMER NOTE

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ABBREVIATIONS

AGMU	ARCHITECTURAL CONCRETE MASONRY UNIT
ACT	ACOUSTICAL CEILING TILE
APC	ACOUSTICAL PANEL CEILING
BBT	BIO-BASED TILE
BRK	BRICK
CFT	CERAMIC FLOOR TILE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CPT	CARPET
CTB	CERAMIC TILE BASE
CWT	CERAMIC WALL TILE
ETR	EXISTING TO REMAIN
EXP	EXPOSED
EXST	EXISTING
FAC/FF	FACTORY FINISH
GWB	GYPSUM WALL BOARD
LMC	LINEAR METAL CEILING
LVT	LUXURY VINYL TILE
MSS	MUSIC STORAGE SYSTEM
MWP	METAL WALL PANEL
PCON	POLISHED CONCRETE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PNT	PAINT
RAF	RESILIENT ATHLETIC FLOORING
RB	RUBBER BASE
RF	RESINOUS FLOORING
RST	RUBBER STAIR TREAD / LANDING
RT	RUBBER TILE FLOORING
SCONC	SEALED CONCRETE
SS	STAINLESS STEEL
STF	SYNTHETIC TURF FLOORING
STL	STEEL
TB	TERRAZZO BASE
TERR	TERRAZZO
TP	TOILET PARTITIONS
TYP	TYPICAL
VCT	VINYL COMPOSITION TILE
VCTAS	VINYL COMPOSITION TILE ANTI-STATIC
VWC	VINYL WALLCOVERING
WAF	WOOD ATHLETIC FLOORING
WD	WOOD
WOM	WALK-OFF MAT

GENERAL FINISH NOTES

1. ALL EXPOSED SURFACES OF NEW PARTITIONS ARE TO BE PAINTED.
2. WHEN ANY WORK IS PERFORMED ON ANY EXISTING WALL, THE ENTIRE WALL SURFACE IS TO BE PAINTED CORNER TO CORNER, UNLESS NOTED OTHERWISE.
3. ALL ELECTRIC, MECHANICAL COMPONENTS AND TELEPHONE PANELS EXPOSED IN A ROOM TO MATCH WALL COLOR.
4. ALL NEW GWB CEILINGS, FASCIAS, AND SOFFITS TO BE PAINTED PNT-1.
5. NEW HM DOORS, DOOR FRAMES AND WINDOW FRAMES AND ETR CORRIDOR DOOR & WINDOW FRAMES AS SCHEDULED ON A600 SERIES DRAWINGS.

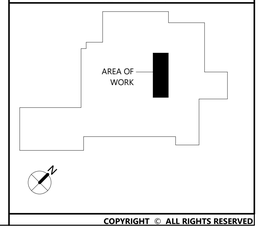
FINISH KEYS

Room Name
101
Wall Finish
Base Finish
Floor Finish
= Finish Tag

PNT-# ACCENT PAINT LOCATION

= VCT-1
= LVT-1
= LVT-2
= LVT-3
= CPT-1
= CFT-1

KEY PLAN



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Consultant

Project Title
VALLEY CENTRAL SCHOOL DISTRICT
BEREA ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

REGISTERED ARCHITECT
JOHN M. WITZENBURG
022334
STATE OF NEW YORK
EXPIRATION DATE: 02/28/2025

#	DATE	DESCRIPTION
4	11/19/24	BID ADDENDUM #4

Drawn By:	AS
Checked By:	Checker
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CSArch Proj. #:	187-2302.01
Issued for Bid:	10/18/24

Sheet Title
ENLARGED FLOOR FINISHES PLAN - FIRST FLOOR - AREA B

Sheet No.
BES AF112

CONSTRUCTION DOCUMENTS

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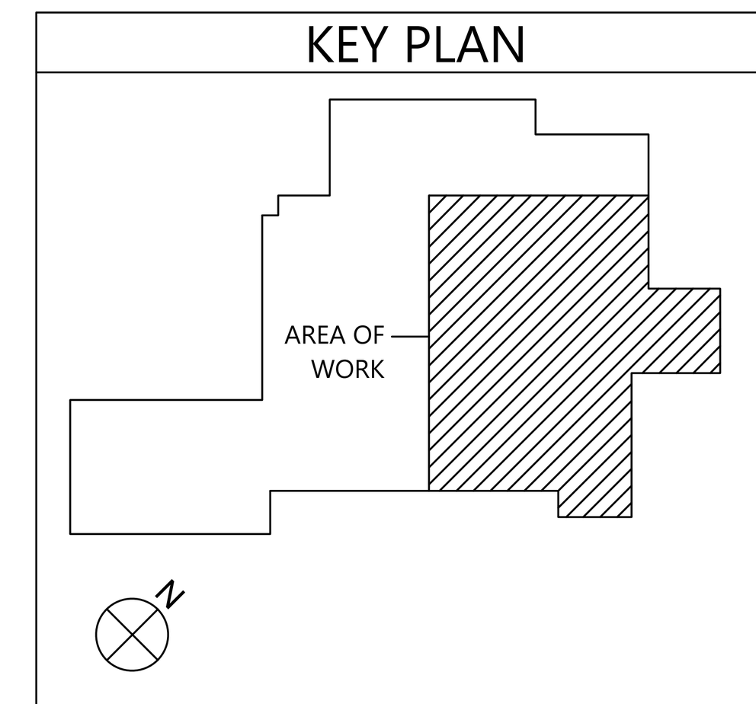
1
M201
Mechanical Roof Plan
Scale: 1/8" = 1'-0"

KEY PLAN



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Consultant

BLAKE ENGINEERING PLLC
1898 COUNTY ROUTE 1, WESTOWN, NY 10998
845-467-9207 MBLAKE@BLAKEENGINEERINGPLLC.COM

Project Title

VALLEY CENTRAL SCHOOL DISTRICT
BEREA ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

STATE OF NEW YORK · MATTHEW GEORGE BLAKE · 089039 · LICENSED PROFESSIONAL ENGINEER

#	DATE	DESCRIPTION
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Sheet Title

MECHANICAL ROOF PLAN

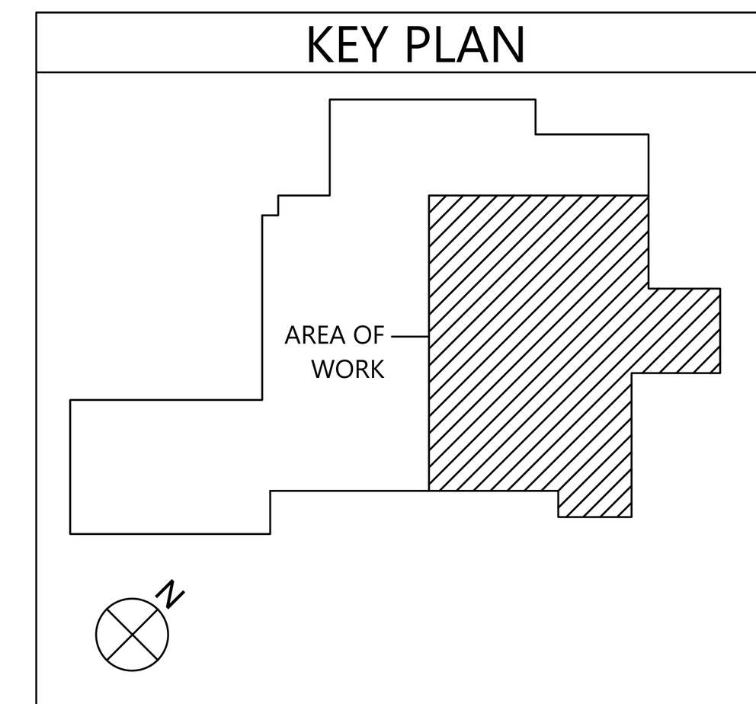
Sheet No.

BES M201

CONSTRUCTION DOCUMENTS

1 E201 **Electrical Roof Plan**
Scale: 1/8" = 1'-0"

KEY PLAN



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1898 COUNTY ROUTE 1, WESTOWN, NY 10998
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Project Title
VALLEY CENTRAL SCHOOL DISTRICT
BEREA ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

STATE OF NEW YORK · MATTHEW GEORGE BLAKE · 089039 · LICENSED PROFESSIONAL ENGINEER

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Sheet Title
ELECTRICAL ROOF PLAN

Sheet No.
BES E201

CONSTRUCTION DOCUMENTS

MATERIALS LEGEND

MATERIAL	MANUFACTURER	MODEL	COLOR #/NAME	SIZE	NOTE
LUXURY VINYL TILE					
LVT-1	MANNINGTON COMMERCIAL	COLOR ANCHOR - GROOVE	C141 MISTY MOUNTAIN	6" x 36"	MAIN OFFICE
PAINT					
PNT-1	SHERWIN WILLIAMS	EGGSHELL	AS SELECTED FROM FULL RANGE OF COLOR / MATCH EXISTING		VESTIBULES / LOBBY
PNT-2	SHERWIN WILLIAMS	EGGSHELL	AS SELECTED FROM FULL RANGE OF COLOR / MATCH EXISTING		OFFICE
PNT-3	SHERWIN WILLIAMS	SEMI-GLOSS	AS SELECTED FROM FULL RANGE OF COLOR / MATCH EXISTING		HM DOOR & DOOR FRAMES
PLASTIC LAMINATE					
PLAM-1	WILSONART	LAMINATE	5034 HANDSPUN DOVE		WORKSURFACE
PLAM-2	WILSONART	LAMINATE	D315 PLATINUM		CASEWORK
RUBBER BASE					
RB-1	TARKETT	BASEWORKS	AS SELECTED FROM FULL RANGE OF COLOR	4"	TYP. WALL BASE

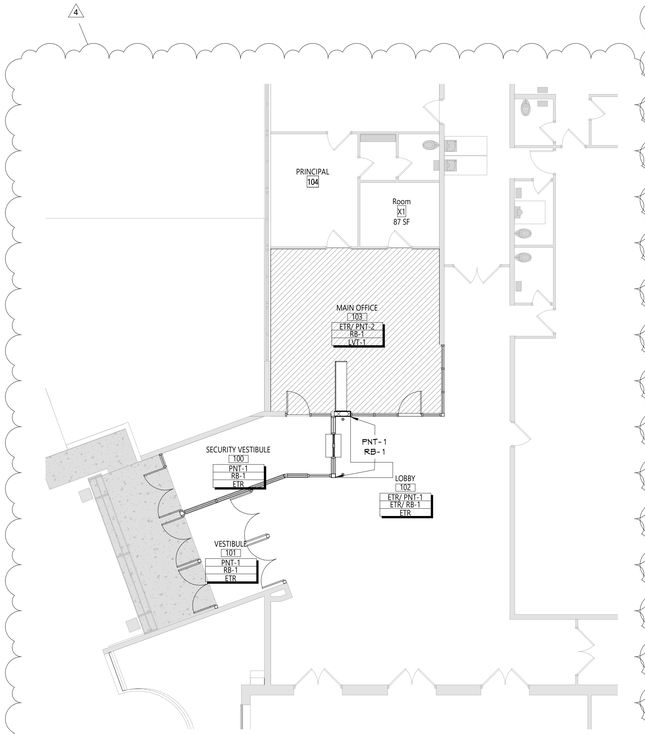
4

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR FINISH	FLOOR BASE	Wall Finish	Accent_Wall	CEILING	Comments
100	SECURITY VESTIBULE	ETR	RB-1	PNT-1			
101	VESTIBULE	ETR	RB-1	PNT-1			
102	LOBBY	ETR	ETR/ RB-1	ETR/ PNT-1			
103	MAIN OFFICE	LVT-1	RB-1	ETR/ PNT-2			

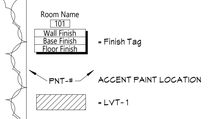
4

4



1 AREA A - PARTIAL FIRST FLOOR FINISH PLAN
AF111 1/8" = 1'-0"

FINISH KEYS



DISCLAIMER NOTE

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ABBREVIATIONS

ACMU	ARCHITECTURAL CONCRETE MASONRY UNIT
ACT	ACOUSTICAL CEILING TILE
APC	ACOUSTICAL PANEL CEILING
BBT	BIO-BASED TILE
BRK	BRICK
CFT	CERAMIC FLOOR TILE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CPT	CARPET
CTB	CERAMIC TILE BASE
CWT	CERAMIC WALL TILE
ETR	EXISTING TO REMAIN
EXP	EXPOSED
EXST	EXISTING
FAC/FF	FACTORY FINISH
GWB	GYPSUM WALL BOARD
LMC	LINEAR METAL CEILING
MSS	MUSIC STORAGE SYSTEM
MWP	METAL WALL PANEL
PCON	POLISHED CONCRETE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PNT	PAINT
RAF	RESILIENT ATHLETIC FLOORING
RB	RUBBER BASE
RF	RESINOUS FLOORING
RST	RUBBER STAIR TREAD / LANDING
RT	RUBBER TILE FLOORING
SCONC	SEALED CONCRETE
SS	STAINLESS STEEL
STF	SYNTHETIC TURF FLOORING
STL	STEEL
TERR	TERRAZZO
TP	TOILET PARTITIONS
TYP	TYPICAL
VCT	VINYL COMPOSITION TILE
VCTAS	VINYL COMPOSITION TILE ANTI-STATIC
VWC	VINYL WALLCOVERING
WAF	WOOD ATHLETIC FLOORING
WD	WOOD
WOM	WALK-OFF MAT

GENERAL FINISH NOTES

1. ALL EXPOSED SURFACES OF NEW PARTITIONS ARE TO BE PAINTED.
2. WHEN ANY WORK IS PERFORMED ON ANY EXISTING WALL, THE ENTIRE WALL SURFACE IS TO BE PAINTED CORNER TO CORNER, UNLESS NOTED OTHERWISE.
3. ALL ELECTRIC, MECHANICAL COMPONENTS AND TELEPHONE PANELS EXPOSED IN A ROOM TO MATCH WALL COLOR.

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Consultant

Project Title

VALLEY CENTRAL SCHOOL DISTRICT
EAST COLDENHAM ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

REGISTERED ARCHITECT
KEVIN M. FITZSIMMONS
026334
STATE OF NEW YORK
EXPIRATION DATE: 02/28/2025

#	DATE	DESCRIPTION
4	11/15/24	BID ADDENDUM #4

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Checked By:	Checker
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Sheet Title

ENLARGED FLOOR FINISH PLAN

Sheet No.

ECES
AF111

CONSTRUCTION DOCUMENTS

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ROOM FINISH SCHEDULE

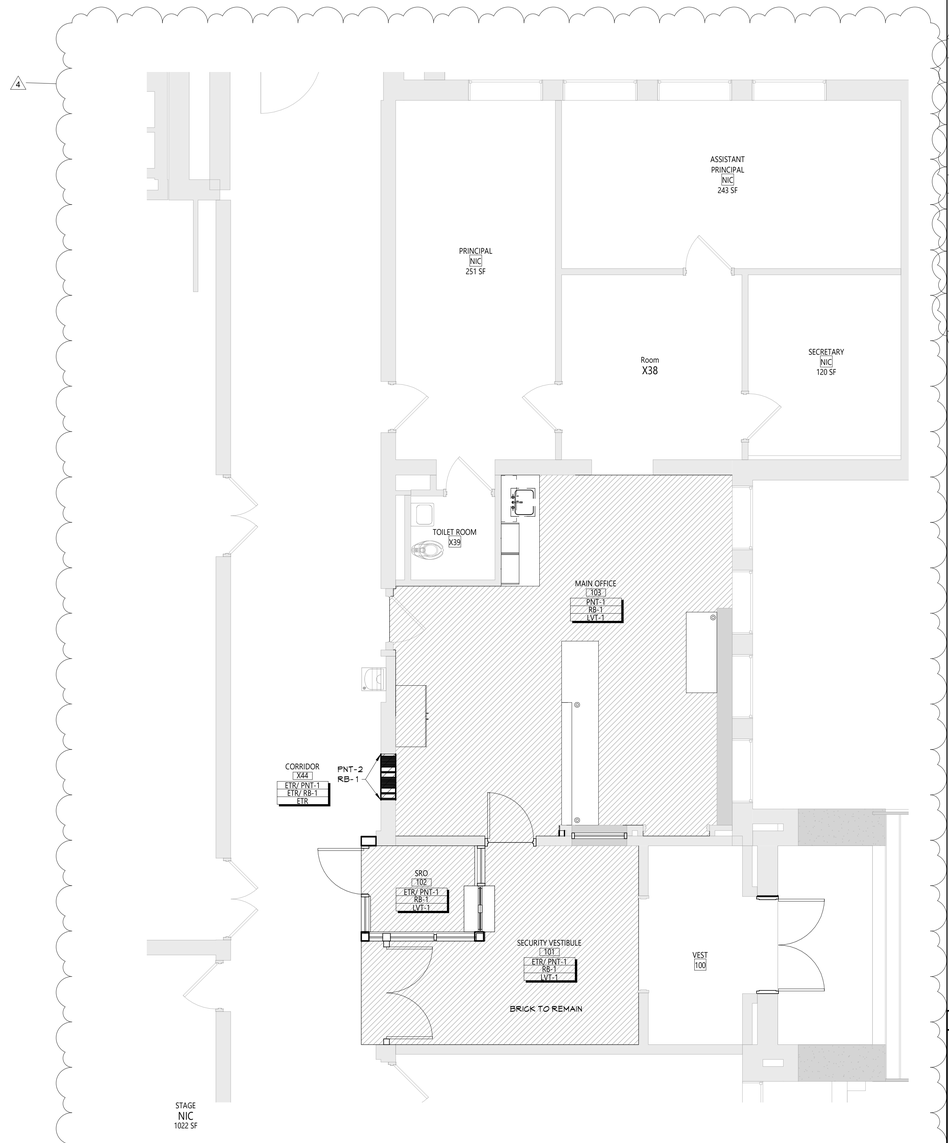
ROOM NUMBER	ROOM NAME	FLOOR FINISH	FLOOR BASE	Wall Finish	Accent_Wall	CEILING	Comments
101	SECURITY VESTIBULE	LVT-1	RB-1	ETR/ PNT-1			
102	SRO	LVT-1	RB-1	ETR/ PNT-1			
103	MAIN OFFICE	LVT-1	RB-1	PNT-1			
X44	CORRIDOR	ETR	ETR/ RB-1	ETR/ PNT-1			

4

MATERIALS LEGND

MATERIAL	MANUFACTURER	MODEL	COLOR #/NAME	SIZE	NOTE
LUXURY VINYL TILE					
LVT-1	MANNINGTON COMMERCIAL	COLOR ANCHOR - GROOVE	C141 MISTY MOUNTAIN	6" x 36"	TYP. FIELD
PAINT					
PNT-1	SHERWIN WILLIAMS	EGG-SHELL	AS SELECTED FROM FULL RANGE OF COLOR / MATCH EXISTING		GENERAL WALL PAINT
PNT-2	SHERWIN WILLIAMS	SEMI-GLOSS	AS SELECTED FROM FULL RANGE OF COLOR / MATCH EXISTING		HM DOOR AND TRIM PAINT
PLASTIC LAMINATE					
PLAM-1	WILSONART	LAMINATE	5034 HANDSPUN DOVE		WORKSURFACE
PLAM-2	WILSONART	LAMINATE	D315 PLATINUM		CASEWORK
RUBBER BASE					
RB-1	TARKETT	BASEWORKS	40 BLACK	MATCH EXISTING	TYP. BASE

4



1 PARTIAL FINISH PLAN- FIRST FLOOR- AREA C
AF111 1/4" = 1'-0"

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ABBREVIATIONS

ACMU	ARCHITECTURAL CONCRETE MASONRY UNIT
ACT	ACOUSTICAL CEILING TILE
APC	ACOUSTICAL PANEL CEILING
BBT	BIO-BASED TILE
BRK	BRICK
CFT	CERAMIC FLOOR TILE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CPT	CARPET
CTB	CERAMIC TILE BASE
CWT	CERAMIC WALL TILE
ETR	EXISTING TO REMAIN
EXP	EXPOSED
EXST	EXISTING
FAC/FF	FACTORY FINISH
GWB	GYPSUM WALL BOARD
LMC	LINEAR METAL CEILING
MSS	MUSIC STORAGE SYSTEM
MWP	METAL WALL PANEL
PCON	POLISHED CONCRETE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PNT	PAINT
RAF	RESILIENT ATHLETIC FLOORING
RB	RUBBER BASE
RF	RESINOUS FLOORING
RST	RUBBER STAIR TREAD / LANDING
RT	RUBBER TILE FLOORING
SCONC	SEALED CONCRETE
SS	STAINLESS STEEL
STF	SYNTHETIC TURF FLOORING
STL	STEEL
TERR	TERRAZZO
TP	TOILET PARTITIONS
TYP	TYPICAL
VCT	VINYL COMPOSITION TILE
VCTAS	VINYL COMPOSITION TILE ANTI-STATIC
VNG	VINYL WALLGOVERING
WAF	WOOD AD ATHLETIC FLOORING
WD	WOOD
WOM	WALK-OFF MAT

GENERAL FINISH NOTES

1. ALL EXPOSED SURFACES OF NEW PARTITIONS ARE TO BE PAINTED.
2. WHEN ANY WORK IS PERFORMED ON ANY EXISTING WALL, THE ENTIRE WALL SURFACE IS TO BE PAINTED FROM CORNER TO CORNER, UNLESS NOTED OTHERWISE.

FINISH KEYS

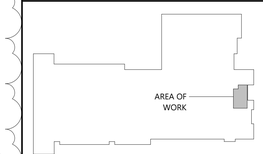
Room Name
101
Wall Finish
Base Finish
Floor Finish
= Finish Tag

PNT-# ACCENT PAINT LOCATION

= LVT-1

4

KEY PLAN



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Consultant

VALLEY CENTRAL SCHOOL DISTRICT
MONTGOMERY ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title

REGISTERED ARCHITECT
JOHN M. WITZENBURG
223AA
STATE OF NEW YORK

EXPIRATION DATE: 02/28/2025

#	DATE	DESCRIPTION
4	11/19/24	BID ADDENDUM #4

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CSArch Proj. #:	187-2302.01
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Sheet Title
MATERIAL SCHEDULE & FLOOR FINISHES PLAN - AREA C

Sheet No.
MES
AF111

CONSTRUCTION DOCUMENTS

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ROOM FINISH SCHEDULE

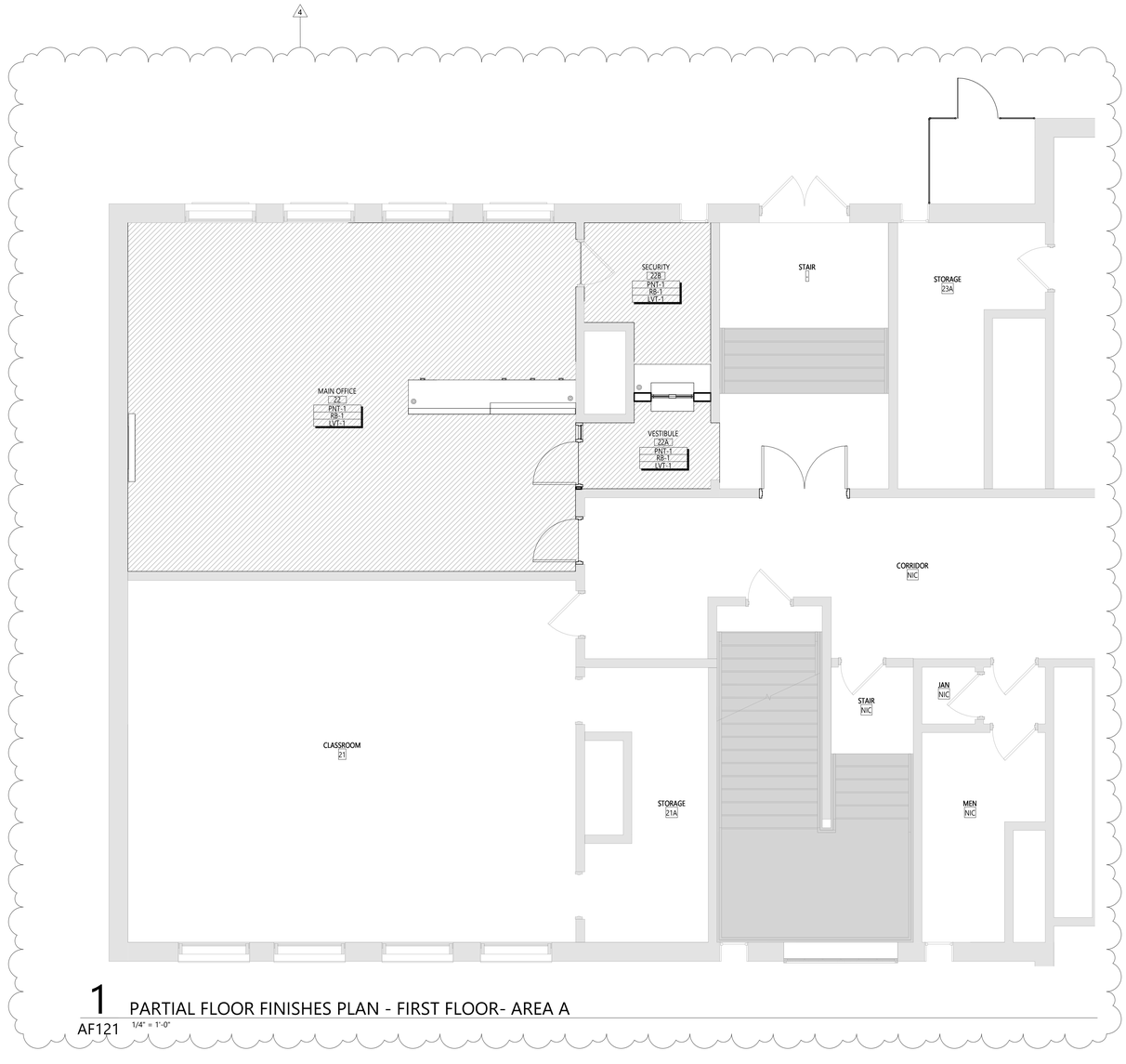
ROOM NUMBER	ROOM NAME	FLOOR FINISH	FLOOR BASE	Wall Finish	Accent_Wall	CEILING	Comments
22	MAIN OFFICE	LVT-1	RB-1	PNT-1			
22A	VESTIBULE	LVT-1	RB-1	PNT-1			
22B	SECURITY	LVT-1	RB-1	PNT-1			

4

MATERIALS LEGEND

MATERIAL	MANUFACTURER	MODEL	COLOR #/NAME	SIZE	NOTE
PAINT					
PNT-1	SHERWIN WILLIAMS	EGG-SHELL	AS SELECTED FROM FULL RANGE OF COLOR/ MATCH EXISTING		GENERAL WALL PAINT
PNT-2	SHERWIN WILLIAMS	SEMI-GLOSS	AS SELECTED FROM FULL RANGE OF COLOR/ MATCH EXISTING		DOOR AND TRIM
PLASTIC LAMINATE					
PLAM-1	WILSONART	LAMINATE	5034 HANDSPUN DOVE		WORKSURFACE
PLAM-2	WILSONART	LAMINATE	D315 PLATINUM		CASEWORK
RUBBER BASE					
RB-1	TARKETT	BASEWORKS	40 BLACK	4"	TYP. BASE
VINYL COMPOSITION TILE					
LVT-1	MANNINGTON COMMERCIAL	COLOR ANCHOR - GROOVE	C141 MISTY MOUNTAIN	6" x 36"	TYP. FLOOR

4



1 PARTIAL FLOOR FINISHES PLAN - FIRST FLOOR- AREA A
AF121 1/4" = 1'-0"

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LMC	LINEAR METAL CEILING
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RF	RESINOUS FLOORING
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RT	RUBBER TILE FLOORING
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STF	SYNTHETIC TURF FLOORING
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VNC	VINYL WALLGOVERING
WAF	WOOD ATHLETIC FLOORING
WD	WOOD
WOM	WALK-OFF MAT

4

GENERAL FINISH NOTES

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2. WHEN ANY WORK IS PERFORMED ON ANY EXISTING WALL, THE ENTIRE WALL SURFACE IS TO BE PAINTED CORNER TO CORNER, UNLESS NOTED OTHERWISE.
3. ALL ELECTRIC, MECHANICAL COMPONENTS AND TELEPHONE PANELS EXPOSED IN A ROOM TO MATCH WALL COLOR.

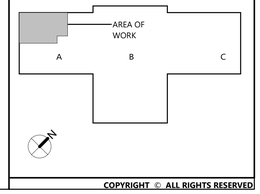
FINISH KEYS

Room Name
101
Wall Finish
Base Finish
Floor Finish
- Finish Tag

PNT-# ACCENT PAINT LOCATION

- LVT-1

KEY PLAN



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Consultant

VALLEY CENTRAL SCHOOL DISTRICT
MAYBROOK ALTERNATIVE LEARNING CENTER
2023 CAPITAL PROJECT - PHASE 1

Project Title

REGISTERED ARCHITECT
JOHN M. WITZENBURG
022334
STATE OF NEW YORK

EXPIRATION DATE: 02/28/2025

#	DATE	DESCRIPTION
4	11/19/24	BID ADDENDUM #4

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Checked By:	Checker
Proj. #:	44-13-01-06-0-002-013
CSArch Proj. #:	187-2302.01
Issued for Bid:	10/18/24

Sheet Title
MATERIAL SCHEDULE & FINISH FLOOR PLAN - AREA A

Sheet No.
MAY
AF121

CONSTRUCTION DOCUMENTS

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VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

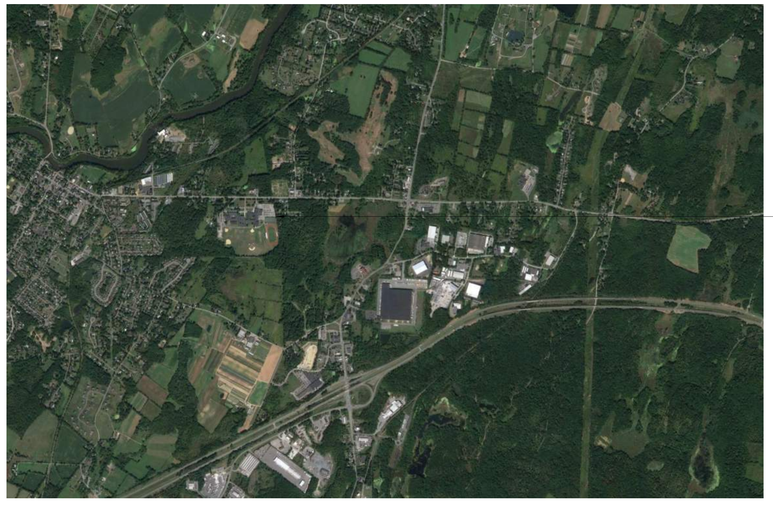
ISSUED FOR BID: 10/18/24

CSARCH - ARCHITECTS
BLAKE ENGINEERING, PLLC - M.E.P. ENGINEERS
PASSERO ASSOCIATES - SITE/CIVIL AND STRUCTURAL ENGINEERS
AECC ENVIRONMENTAL CONSULTING - HAZARDOUS MATERIALS DESIGNERS

STATE EDUCATION DEPARTMENT PROJECT CONTROL NUMBER:
2023 CAPITAL PROJECT - PHASE 1 44-13-01-06-0-015-033

THE DESIGN OF THIS PROJECT CONFORMS TO APPLICABLE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AND THE MANUAL OF PLANNING STANDARDS OF THE NEW YORK STATE EDUCATION DEPARTMENT.

CSArch PROJECT NO. 187-2302.01



Valley Central High School
1175 NY-17K
Montgomery, NY 12549

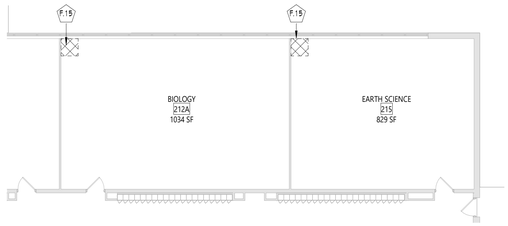
VICINITY MAP NTS

DRAWING LIST

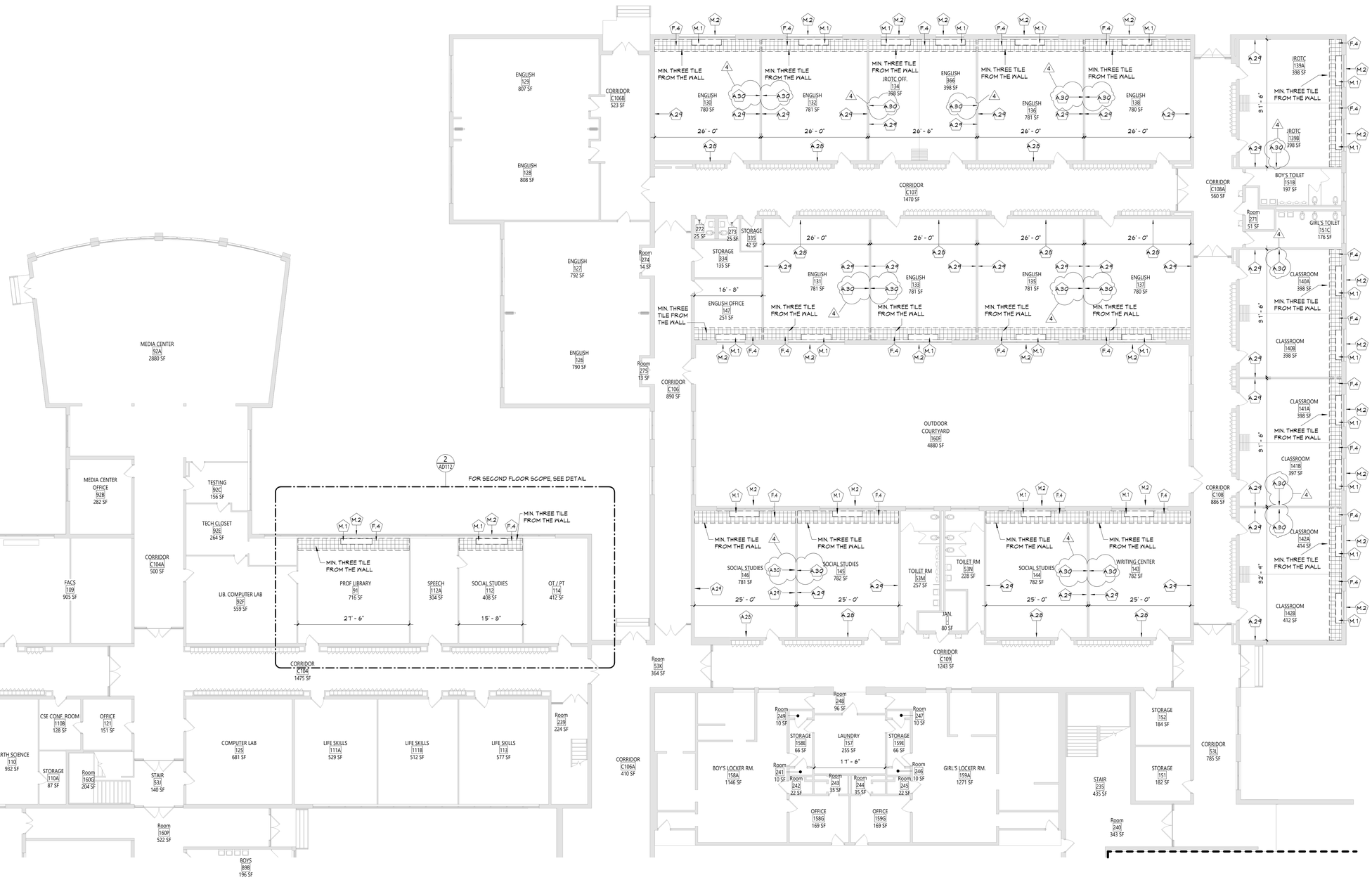
REGISTERED ARCHITECT
THOMAS M. RITZENTHALER
023344
STATE OF NEW YORK

EXPIRATION DATE: 02/28/2025

VOLUME 5 OF 8



2 SECOND FLOOR REMOVAL PLAN - AREA D
AD112 3/32" = 1'-0"



1 FIRST FLOOR REMOVAL PLAN - AREA C & D
AD112 3/32" = 1'-0"

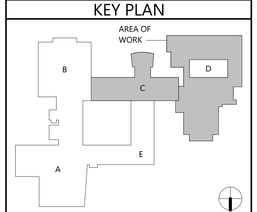
GENERAL NOTES

1. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.
2. PATCH AND REPLACE EXISTING AND NEWLY CREATED HOLES IN WALLS (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION.
3. SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, UNO
4. ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORING SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING WALLS.
5. REFER TO ASBESTOS AND MEP DRAWINGS FOR ADDITIONAL REMOVAL INFORMATION.
6. PROVIDE TEMPORARY SHORING AS NECESSARY AT ALL AREAS OF WALL REMOVAL AND NEW WALL PENETRATIONS.
7. DRILL CORNERS OF ALL NEW SAWCUT OPENING PRIOR TO SAWCUTTING, TO PREVENT CUTTING INTO SCHEDULED CONSTRUCTION TO REMAIN.

DEMOLITION KEYNOTES

#	Description
A.28	REMOVE EXISTING 10' WIDE BY 4' HIGH TACKBOARD/CHALKBOARD. PATCH WALL AS REQUIRED.
A.29	REMOVE EXISTING 20' WIDE BY 4' HIGH TACKBOARD/CHALKBOARD. PATCH WALL AS REQUIRED.
A.30	OWNER TO REMOVE DIGITAL DISPLAY BOARD ONLY. REMOVE WALL MOUNTED BRACKET ASSOCIATED WITH DIGITAL DISPLAY BOARD AND SALVAGE FOR REINSTALLATION.
F.4	REMOVE 3 RONS OF VCT TILE FROM EXTERIOR WALL WITH THE REMOVAL OF UNIT VENTS.
F.15	SAWCUT AND REMOVE EXISTING FLOOR FINISH AND CONCRETE SLAB TO ACCOMMODATE NEW VERTICAL MECHANICAL CHASE.
M.1	UNIT VENTILATOR. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
M.2	EXTERIOR WALL GRILL. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

KEY PLAN



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Project Title

VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

REGISTERED ARCHITECT JOHN W. WITZIG 022345 STATE OF NEW YORK

EXPIRATION DATE: 02/28/2025

#	DATE	DESCRIPTION
4	11/15/24	BID ADDENDUM #4
3	11/8/24	BID ADDENDUM #3

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Sheet Title
FIRST FLOOR REMOVAL PLAN - AREA C & D

Sheet No.
VCHS
AD112

CONSTRUCTION DOCUMENTS

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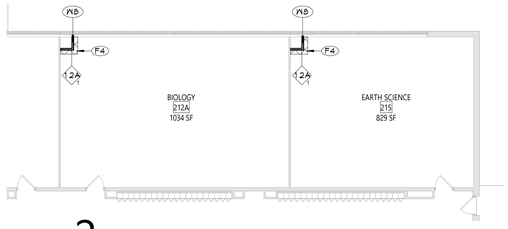
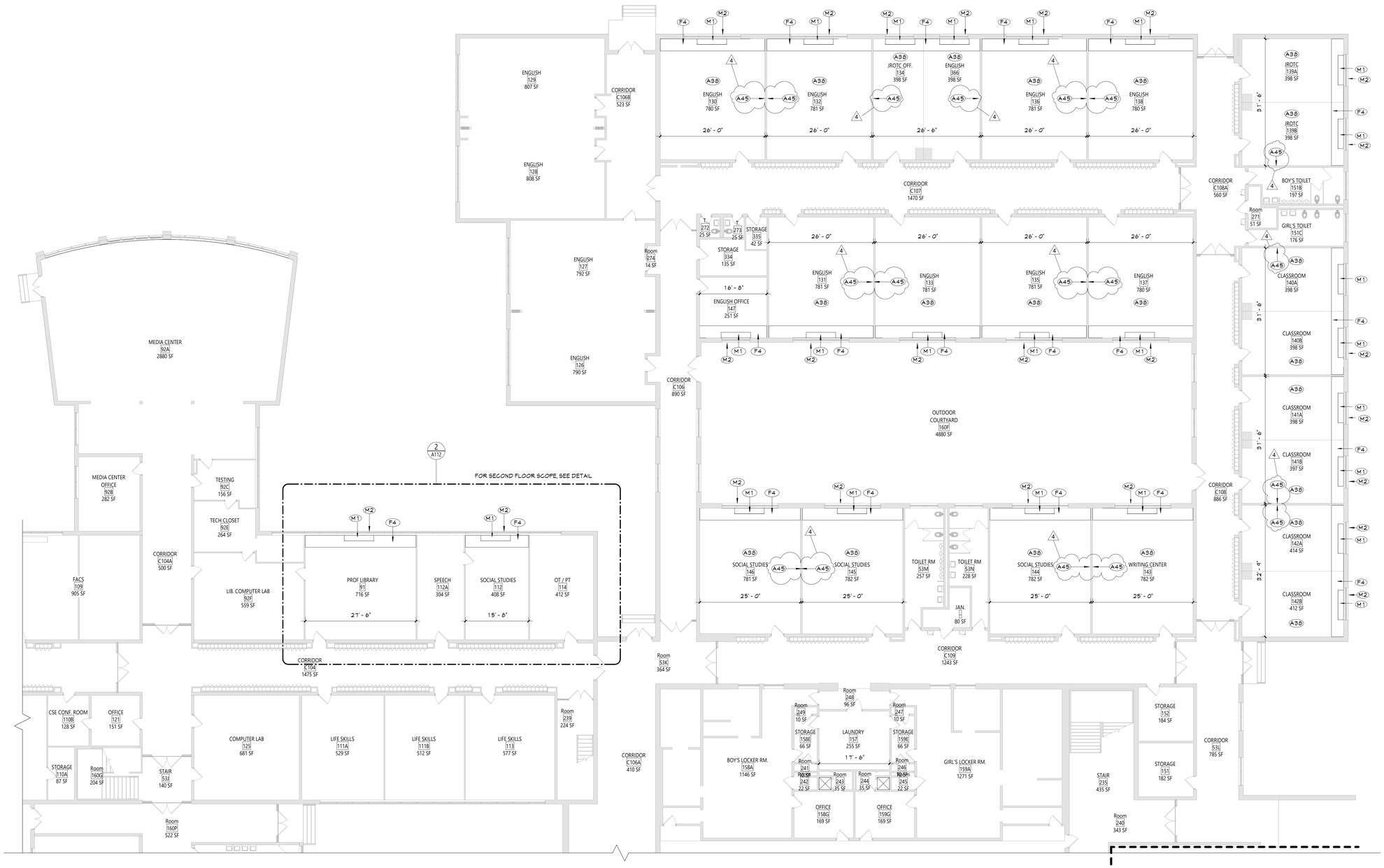


2 AREA C - SECOND FLOOR PLAN
A112 3/32" = 1'-0"



1 AREA C & D - FIRST FLOOR NEW WORK PLAN
A112 3/32" = 1'-0"

GENERAL NOTES

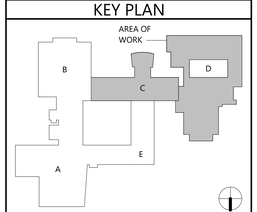
1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A900 SERIES DRAWINGS FOR DOOR, STOREFRONT, CURTAINWALL, WINDOW AND LOUVER SCHEDULES, DETAILS AND NOTES.
3. REFER TO SHEET G001 FOR PARTITION TYPES AND ADDITIONAL NOTES.

NEW WORK KEYNOTES

#	Description
A38	PAINT ALL WALLS IN ROOM.
A45	REINSTALL SALVAGED WALL MOUNTED BRACKET FOR DIGITAL DISPLAY BOARD AFTER THE COMPLETION OF THE CHALKBOARD REMOVAL. COORDINATE FINAL LOCATION WITH OWNER. OWNER TO REINSTALL DIGITAL DISPLAY BOARD ON BRACKET.
F4	PROVIDE NEW 12"X12" VCT FLOORING AND RUBBER WALL BASE WHERE FLOORING WAS PREVIOUSLY REMOVED.
M1	UNIT VENT. REFER TO MEP DRAWINGS.
M2	CONDENSING UNIT. REFER TO MEP DRAWINGS.
N8	PROVIDE NEW CHAIN LINK FABRIC FOR MECHANICAL EQUIPMENT.'

4

KEY PLAN



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VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title

REGISTERED ARCHITECT · JOHN M. WITZEL · 023345 · STATE OF NEW YORK

EXPIRATION DATE: 02/28/2025

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4	11/15/24	BID ADDENDUM #4
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Sheet Title
AREA C & D - FIRST FLOOR NEW WORK PLAN

Sheet No.
VCHS A112

CONSTRUCTION DOCUMENTS

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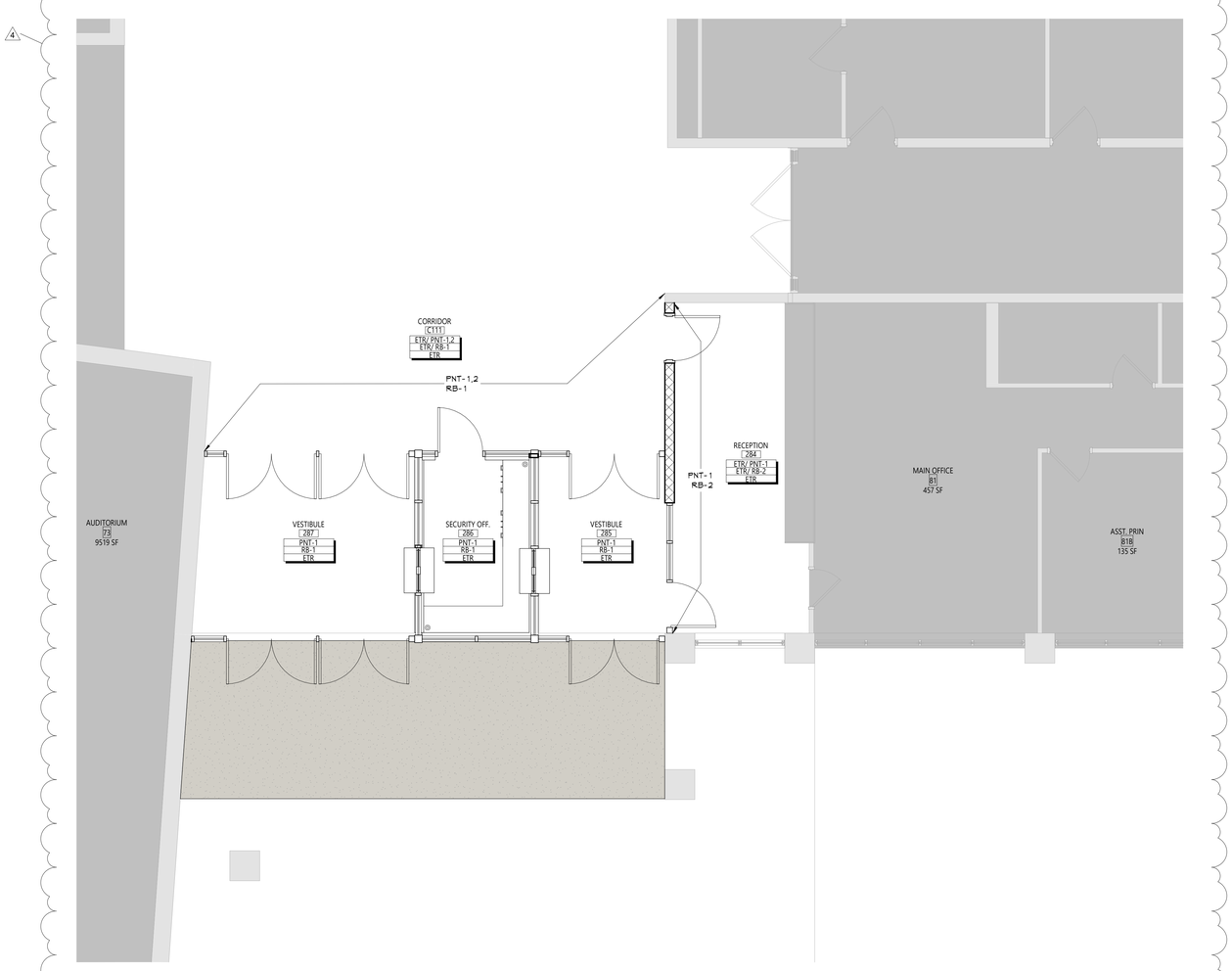
ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR FINISH	FLOOR BASE	Wall Finish	Accent_Wall	CEILING	Comments
91	PROF LIBRARY	ETR/VCT-1	ETR/RB-3	ETR			
112	SOCIAL STUDIES	ETR/VCT-1	ETR/RB-3	ETR			
130	ENGLISH	ETR/VCT-1	ETR/RB-3	ETR			
131	ENGLISH	ETR/VCT-1	ETR/RB-3	ETR			
132	ENGLISH	ETR/VCT-1	ETR/RB-3	ETR			
133	ENGLISH	ETR/VCT-1	ETR/RB-3	ETR			
134	JROTC OFF.	ETR/VCT-1	ETR/RB-3	ETR			
135	ENGLISH	ETR/VCT-1	ETR/RB-3	ETR			
136	ENGLISH	ETR/VCT-1	ETR/RB-3	ETR			
137	ENGLISH	ETR/VCT-1	ETR/RB-3	ETR			
138	ENGLISH	ETR/VCT-1	ETR/RB-3	ETR			
139A	JROTC	ETR/VCT-1	ETR/RB-3	ETR			
139B	JROTC	ETR/VCT-1	ETR/RB-3	ETR			
140A	CLASSROOM	ETR/VCT-1	ETR/RB-3	ETR			
140B	CLASSROOM	ETR/VCT-1	ETR/RB-3	ETR			
141A	CLASSROOM	ETR/VCT-1	ETR/RB-3	ETR			
141B	CLASSROOM	ETR/VCT-1	ETR/RB-3	ETR			
142A	CLASSROOM	ETR/VCT-1	ETR/RB-3	ETR			
142B	CLASSROOM	ETR/VCT-1	ETR/RB-3	ETR			
143	WRITING CENTER	ETR/VCT-1	ETR/RB-3	ETR			
144	SOCIAL STUDIES	ETR/VCT-1	ETR/RB-3	ETR			
145	SOCIAL STUDIES	ETR/VCT-1	ETR/RB-3	ETR			
146	SOCIAL STUDIES	ETR/VCT-1	ETR/RB-3	ETR			
147	ENGLISH OFFICE	ETR/VCT-1	ETR/RB-3	ETR			
284	RECEPTION	ETR	ETR/ RB-2	ETR/ PNT-1			
285	VESTIBULE	ETR	RB-1	PNT-1			
286	SECURITY OFF.	ETR	RB-1	PNT-1			
287	VESTIBULE	ETR	RB-1	PNT-1			
366	ENGLISH	ETR/VCT-1	ETR/RB-3	ETR			
C111	CORRIDOR	ETR	ETR/ RB-1	ETR/ PNT-1,2			

MATERIALS LEGEND

MATERIAL	MANUFACTURER	MODEL	COLOR #/NAME	SIZE	NOTE
PAINT					
PNT-1	SHERWIN WILLIAMS	EG-SHELL	AS SELECTED FROM FULL RANGE OF COLOR/ MATCH EXISTING		GENERAL WALL PAINT
PNT-2	SHERWIN WILLIAMS	EGGSHELL	AS SELECTED FROM FULL RANGE OF COLOR/ MATCH EXISTING		ACCENT
PNT-3	SHERWIN WILLIAMS	SEMI-GLOSS	AS SELECTED FROM FULL RANGE OF COLOR/ MATCH EXISTING		HM DOOR PAINT
PLASTIC LAMINATE					
PLAM-1	WILSONART	LAMINATE	5043 HANDSPUN DOVE		WORKSURFACE
PLAM-2	WILSONART	LAMINATE	D315 PLATINUM		CASEWORK
RUBBER BASE					
RB-1	TARKETT	BASEWORKS	40 BLACK	4"	VESTIBULE/ SECURITY OFFICE
RB-2	TARKETT	BASEWORKS	AS SELECTED FROM FULL RANGE OF COLOR/ MATCH EXISTING	MATCH EXISTING	RECEPTION
RB-3	TARKETT	BASEWORKS	AS SELECTED FROM FULL RANGE OF COLOR/ MATCH EXISTING	MATCH EXISTING	CLASSROOMS
VINYL COMPOSITION TILE					
VCT-1	ARMSTRONG	STANDARD EXCELON	AS SELECTED FROM FULL RANGE OF COLOR/ MATCH EXISTING	12" X 12"	CLASSROOMS



1 AREA A - PARTIAL FIRST FLOOR FINISH PLAN
AF001 1/4" = 1'-0"

DISCLAIMER NOTE

MANUFACTURER'S NAMES AND FINISH INFORMATION ARE INDICATED AS REFERENCED TO THE ARCHITECT'S BASIS-OF-DESIGN SELECTIONS AND HAVE BEEN DETERMINED PRIOR TO BID. THE CONTRACTOR AND OWNER ARE HEREBY NOTIFIED THAT FINISHES INSTALLED IN THE WORK ARE SUBJECT TO CHANGE IN RESPONSE TO SUBMITTALS, CONFIRMED SELECTIONS, PRODUCT AVAILABILITY AND THE SUBSEQUENT COORDINATION OF FINISHES BY ARCHITECT AND MAY DIFFER FROM PRODUCTS LISTED HEREIN.

ABBREVIATIONS

ACMU	ARCHITECTURAL CONCRETE MASONRY UNIT
ACT	ACOUSTICAL CEILING TILE
APC	ACOUSTICAL PANEL CEILING
BBT	BIO-BASED TILE
BRK	BRICK
CFT	CERAMIC FLOOR TILE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CPT	CARPET
CTB	CERAMIC TILE BASE
CWT	CERAMIC WALL TILE
ETR	EXISTING TO REMAIN
EXP	EXPOSED
EXST	EXISTING
FAC/FF	FACTORY FINISH
GWB	GYPSUM WALL BOARD
LMC	LINEAR METAL CEILING
MSS	MUSIC STORAGE SYSTEM
MWP	METAL WALL PANEL
PCON	POLISHED CONCRETE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PNT	PAINT
RAF	RESILIENT ATHLETIC FLOORING
RB	RUBBER BASE
RF	RESINOUS FLOORING
RST	RUBBER STAIR TREAD / LANDING
RT	RUBBER TILE FLOORING
SCONC	SEALED CONCRETE
SS	SOLID SURFACE
STF	SYNTHETIC TURF FLOORING
STL	STEEL
TB	TERRAZZO BASE
TERR	TERRAZZO
TP	TOILET PARTITIONS
TYP	TYPICAL
VCT	VINYL COMPOSITION TILE
VCTAS	VINYL COMPOSITION TILE ANTI-STATIC
VWC	VINYL WALLCOVERING
WAF	WOOD ATHLETIC FLOORING
WD	WOOD
WOM	WALK-OFF MAT

GENERAL FINISH NOTES

1. ALL EXPOSED SURFACES OF NEW PARTITIONS ARE TO BE PAINTED.
2. WHEN ANY WORK IS PERFORMED ON ANY EXISTING WALL, THE ENTIRE WALL SURFACE IS TO BE PAINTED CORNER TO CORNER, UNLESS NOTED OTHERWISE.

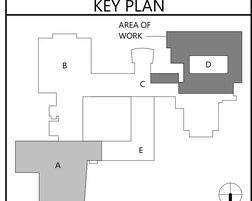
FINISH KEYS

Room Name
101
Wall Finish
Base Finish
Floor Finish
- Finish Tag

PNT-# ACCENT PAINT LOCATION

- VCT-1

KEY PLAN



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VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title

REGISTERED ARCHITECT
JOHN M. RITSEMA
022345
STATE OF NEW YORK

EXPIRATION DATE: 02/28/2025

#	DATE	DESCRIPTION
4	11/19/24	BID ADDENDUM #4

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Sheet Title
MATERIAL SCHEDULE AND ENLARGED VESTIBULE

Sheet No.
VCHS AF001

CONSTRUCTION DOCUMENTS

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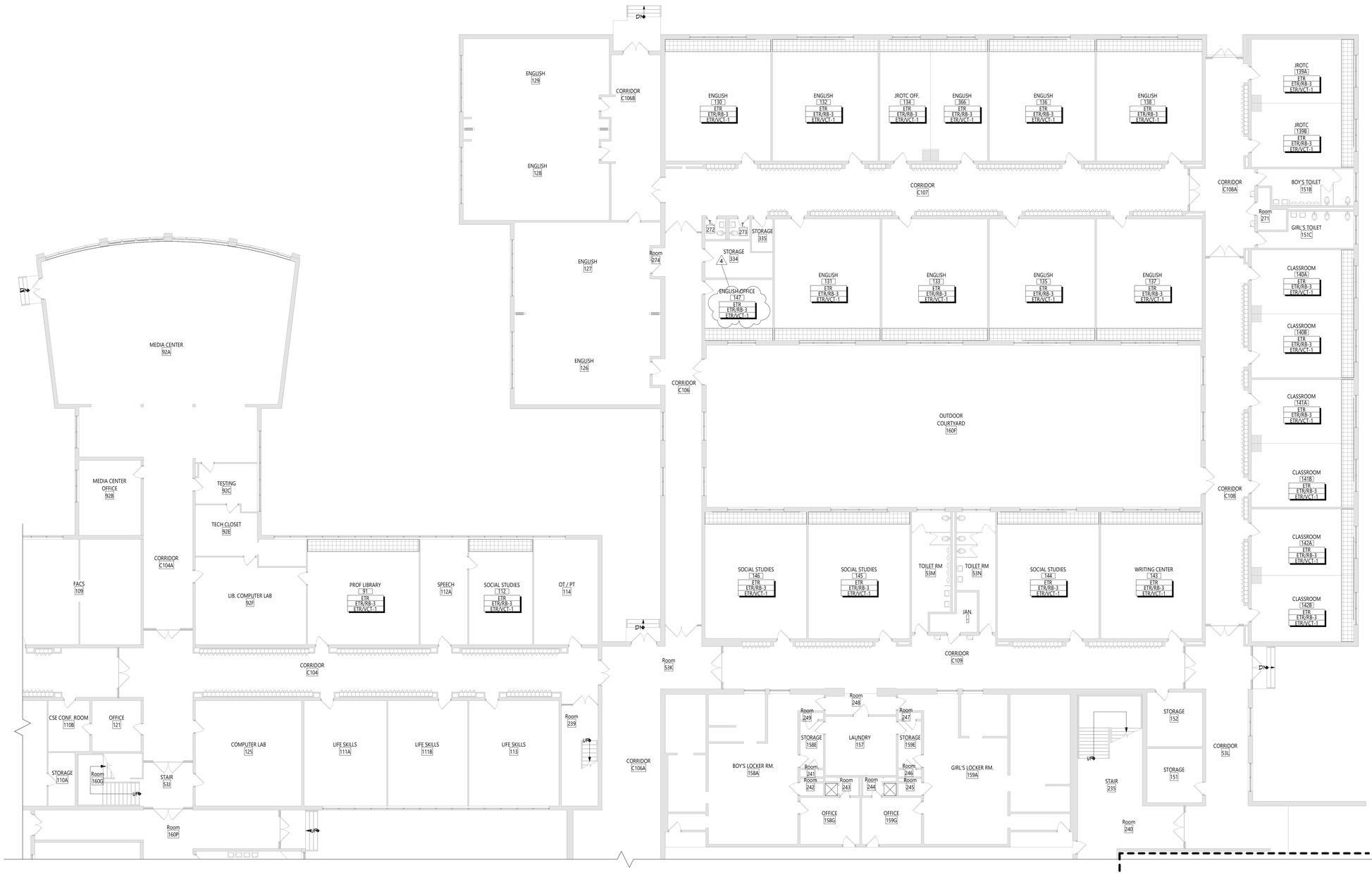

1 AF112 AREA C & D - FIRST FLOOR FINISHES PLAN
3/32" = 1'-0"

DISCLAIMER NOTE

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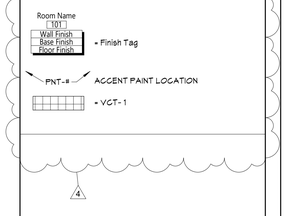
CTB	CERAMIC TILE BASE
CWT	CERAMIC WALL TILE
ETR	EXISTING TO REMAIN
EXP	EXPOSED
EXST	EXISTING
FAC/FF	FACTORY FINISH
GWB	GYPSUM WALL BOARD
LMC	LINEAR METAL CEILING
MSS	MUSIC STORAGE SYSTEM
MWP	METAL WALL PANEL
PCON	POLISHED CONCRETE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PNT	PAINT
RAF	RESILIENT ATHLETIC FLOORING
RB	RUBBER BASE
RF	RESINOUS FLOORING
RST	RUBBER STAIR TREAD / LANDING
RT	RUBBER TILE FLOORING
SCONC	SEALED CONCRETE
SS	SOLID SURFACE
STF	SYNTHETIC TURF FLOORING
STL	STEEL
TB	TERRAZZO BASE
TERR	TERRAZZO
TP	TOILET PARTITIONS
TYP	TYPICAL
VCT	VINYL COMPOSITION TILE
VCTAS	VINYL COMPOSITION TILE ANTI-STATIC
VPC	VINYL WALLCOVERING
WAF	WOOD ATHLETIC FLOORING
WD	WOOD
WOM	WALK-OFF MAT

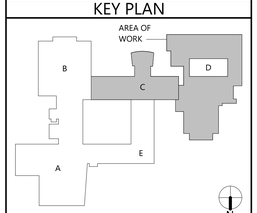
GENERAL FINISH NOTES

1. ALL EXPOSED SURFACES OF NEW PARTITIONS ARE TO BE PAINTED.
2. WHEN ANY WORK IS PERFORMED ON ANY EXISTING WALL, THE ENTIRE WALL SURFACE IS TO BE PAINTED FROM CORNER TO CORNER, UNLESS NOTED OTHERWISE.

FINISH KEYS



KEY PLAN



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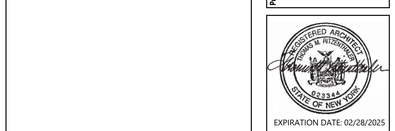
VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title



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Sheet Title

AREA C & D - FLOOR FINISHES PLAN

Sheet No.

VCHS AF112

CONSTRUCTION DOCUMENTS

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FAN SCHEDULE

EQUIPMENT TAG	MANUFACTURER	MODEL	SERVICE	FAN C.F.M.	R.P.M.	EXTERNAL STATIC PRESSURE INCH H_2O	MOTOR					REMARKS
							POWER (HP)	FLA	VOLT.	PHASE	HZ.	
EF-91	GREENHECK	G-140-VG	CLASSROOM 91	450 / 1,250	885	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-112	GREENHECK	G-140-VG	CLASSROOM 112	450 / 1,250	885	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-130	GREENHECK	G-140-VG	CLASSROOM 131	450 / 1,250	885	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-131	GREENHECK	G-140-VG	CLASSROOM 131	450 / 1,250	885	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-132	GREENHECK	G-140-VG	CLASSROOM 132	450 / 1,250	885	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-133	GREENHECK	G-140-VG	CLASSROOM 133	450 / 1,250	885	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-134A	GREENHECK	G-100-VG	CLASSROOM 134A	225 / 750	1194	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-134B	GREENHECK	G-100-VG	CLASSROOM 134B	225 / 750	1194	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-135	GREENHECK	G-140-VG	CLASSROOM 135	450 / 1,250	885	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-136	GREENHECK	G-140-VG	CLASSROOM 136	450 / 1,250	885	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-137	GREENHECK	G-140-VG	CLASSROOM 137	450 / 1,250	885	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-138	GREENHECK	G-140-VG	CLASSROOM 138	450 / 1,250	885	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-139A	GREENHECK	G-100-VG	CLASSROOM 139A	225 / 750	1194	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-139B	GREENHECK	G-100-VG	CLASSROOM 139B	225 / 750	1194	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-140A	GREENHECK	G-100-VG	CLASSROOM 140A	225 / 750	1194	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-140B	GREENHECK	G-100-VG	CLASSROOM 140B	225 / 750	1194	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-141A	GREENHECK	G-100-VG	CLASSROOM 141A	225 / 750	1194	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-141B	GREENHECK	G-100-VG	CLASSROOM 141B	225 / 750	1194	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-142A	GREENHECK	G-100-VG	CLASSROOM 142A	225 / 750	1194	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-142B	GREENHECK	G-100-VG	CLASSROOM 142B	225 / 750	1194	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-143	GREENHECK	G-140-VG	CLASSROOM 143	450 / 1,250	885	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-144	GREENHECK	G-140-VG	CLASSROOM 144	450 / 1,250	885	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-145	GREENHECK	G-140-VG	CLASSROOM 145	450 / 1,250	885	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER
EF-146	GREENHECK	G-140-VG	CLASSROOM 146	450 / 1,250	885	0.25	1/4	3.8	120	1	60	PROVIDE W/ FAN SPEED CONTROLLER, 24" HIGH INSULATED ROOF CURB & BACKDRAFT DAMPER

CONDENSING BOILER SCHEDULE

EQUIPMENT TAG	MANUFACTURER	MODEL	INPUT (MBH)		THERMAL EFFICIENCY	GROSS OUTPUT (MBH)	TURNDOWN RATIO	REMARKS
			MIN.	MAX.				
B-1	LOCHINVAR	FB 3001	150	3000	96.0%	2883	20:1	FURNISH W/ ADD'L HIGH LIMIT & LOW WATER CUTOFF; BOILERS TO BE UL-795 LISTED & IN COMPLIANCE WITH ASME CSD-1
B-2	LOCHINVAR	FB 3001	150	3000	96.0%	2883	20:1	FURNISH W/ ADD'L HIGH LIMIT & LOW WATER CUTOFF; BOILERS TO BE UL-795 LISTED & IN COMPLIANCE WITH ASME CSD-1
B-3	LOCHINVAR	FB 3001	150	3000	96.0%	2883	20:1	FURNISH W/ ADD'L HIGH LIMIT & LOW WATER CUTOFF; BOILERS TO BE UL-795 LISTED & IN COMPLIANCE WITH ASME CSD-1
B-4	LOCHINVAR	FB 3001	150	3000	96.0%	2883	20:1	FURNISH W/ ADD'L HIGH LIMIT & LOW WATER CUTOFF; BOILERS TO BE UL-795 LISTED & IN COMPLIANCE WITH ASME CSD-1
B-5	LOCHINVAR	FB 3001	150	3000	96.0%	2883	20:1	FURNISH W/ ADD'L HIGH LIMIT & LOW WATER CUTOFF; BOILERS TO BE UL-795 LISTED & IN COMPLIANCE WITH ASME CSD-1
B-6	LOCHINVAR	FB 3001	150	3000	96.0%	2883	20:1	FURNISH W/ ADD'L HIGH LIMIT & LOW WATER CUTOFF; BOILERS TO BE UL-795 LISTED & IN COMPLIANCE WITH ASME CSD-1

AIR GRILLE/DIFFUSER SCHEDULE

EQUIPMENT TAG	MANUFACTURER (OR ACCEPT. EQUAL)	MODEL	AIR DEVICE TYPE	AIRFLOW (CFM)		MAX AIR PRESS. DROP (IN. W.C.)	MOUNTING	PANEL/FRAME SIZE (IN.)	NECK SIZE (IN.)	MAX NC	DAMPER	FINISH	NOTES
				MIN.	MAX.								
D-1	KRUEGER	PLQ-10-F23-24x24-PR10-IB-44	SQUARE PLAQUE FACE DIFFUSER	301	450	0.10	LAY-IN	24"x24"	10"Ø	20	OBD	WHITE	FURNISH W/ INSULATED BACKPAN
D-2	KRUEGER	880-H-48-24-F22-NONE-00-01-00-44	DOUBLE DEFLECTION SUPPLY GRILLE	0	3500	0.10	WALL MTD.	50"x26"	48"x24"	20	OBD	WHITE	-
D-3	KRUEGER	5DMGDR-H-14-8-20-01-81	DUCT MOUNTED SUPPLY GRILLE	0	200	0.10	DUCT MTD.	16"x10"	14"x8"	20	OBD	CLEAR ANOD.	FURNISH W/ DAMPER/EXTRACTOR
R-1	KRUEGER	S80P-20x20-F23-24x24-00-00-00-44	PERFORATED FACE RETURN GRILLE	0	1,600	0.10	LAY-IN	24"x24"	20"x20"	25	-	WHITE	FURNISH & INSTALL FULL-SIZE SHEET METAL PLENUM BOX ON REAR OF GRILLE, PAINT INSIDE FLAT BLACK
R-2	KRUEGER	S80H-36x12-F22-NONE-00-00-00-01	35° DEFLECTION RETURN GRILLE	0	1,300	0.10	DUCT MTD.	38"x14"	36"x12"	25	-	MILL	FURNISH & INSTALL FULL-SIZE SHEET METAL PLENUM BOX ON REAR OF GRILLE, PAINT INSIDE FLAT BLACK

VENTILATION SCHEDULE

SYSTEM	SPACE SERVED	SPACE TYPE	SPACE AREA (SQ. FT.)	OCCUPANTS PER 1000 SQ. FT.	# OF OCCUPANTS (NOTE 1)	CFM PER PERSON	CFM PER SQ. FT.	CALCULATED VENTILATION RATE (CFM)	ZONE AIR DISTRIBUTION EFFECTIVENESS	ADJUSTED VENTILATION RATE (CFM)	PROVIDED VENTILATION RATE (CFM)	EA CFM PER FIXTURE	EA CFM PER SQ. FT.	MIN. EA RATE (CFM)	EA PROVIDED (CFM)
UV-91	CLASSROOM 91	LIBRARY	715	35	30	10	0.12	386	0.9	429	440	-	-	-	450
UV-112	CLASSROOM 112	CLASSROOM	720	35	30	10	0.12	394	0.9	437	440	-	-	-	450
UV-130	CLASSROOM 130	CLASSROOM	780	35	30	10	0.12	394	0.9	437	440	-	-	-	450
UV-131	CLASSROOM 131	CLASSROOM	780	35	30	10	0.12	394	0.9	437	440	-	-	-	450
UV-132	CLASSROOM 132	CLASSROOM	780	35	30	10	0.12	394	0.9	437	440	-	-	-	450
UV-133	CLASSROOM 133	CLASSROOM	780	35	30	10	0.12	394	0.9	437	440	-	-	-	450
UV-134A	CLASSROOM 134A	CLASSROOM	398	35	15	10	0.12	198	0.9	220	210	-	-	-	225
UV-134B	CLASSROOM 134B	CLASSROOM	398	35	15	10	0.12	198	0.9	220	210	-	-	-	225
UV-135	CLASSROOM 135	CLASSROOM	780	35	30	10	0.12	394	0.9	437	440	-	-	-	450
UV-136	CLASSROOM 136	CLASSROOM	780	35	30	10	0.12	394	0.9	437	440	-	-	-	450
UV-137	CLASSROOM 137	CLASSROOM	780	35	30	10	0.12	394	0.9	437	440	-	-	-	450
UV-138	CLASSROOM 138	CLASSROOM	780	35	30	10	0.12	394	0.9	437	440	-	-	-	450
UV-139A	CLASSROOM 139A	CLASSROOM	398	35	15	10	0.12	198	0.9	220	210	-	-	-	225
UV-139B	CLASSROOM 139B	CLASSROOM	398	35	15	10	0.12	198	0.9	220	210	-	-	-	225
UV-140A	CLASSROOM 140A	CLASSROOM	398	35	15	10	0.12	198	0.9	220	210	-	-	-	225
UV-140B	CLASSROOM 140B	CLASSROOM	398	35	15	10	0.12	198	0.9	220	210	-	-	-	225
UV-141A	CLASSROOM 141A	CLASSROOM	398	35	15	10	0.12	198	0.9	220	210	-	-	-	225
UV-141B	CLASSROOM 141B	CLASSROOM	398	35	15	10	0.12	198	0.9	220	210	-	-	-	225
UV-142A	CLASSROOM 142A	CLASSROOM	398	35	15	10	0.12	198	0.9	220	210	-	-	-	225
UV-142B	CLASSROOM 142B	CLASSROOM	398	35	15	10	0.12	198	0.9	220	210	-	-	-	225
UV-143	CLASSROOM 143	CLASSROOM	782	35	30	10	0.12	394	0.9	437	440	-	-	-	450
UV-144	CLASSROOM 144	CLASSROOM	782	35	30	10	0.12	394	0.9	437	440	-	-	-	450
UV-145	CLASSROOM 145	CLASSROOM	782	35	30	10	0.12	394	0.9	437	440	-	-	-	450
UV-146	CLASSROOM 146	CLASSROOM	782	35	30	10	0.18	394	0.9	437	440	-	-	-	450
UV-158	BOYS LOCKER ROOM	LOCKER ROOMS	1303	0	0	0	0	0	0	0	650	-	0.5	650	650
	BOYS LOCKER ROOM OFFICE	OFFICE SAPCE	169	5	1	5	0.06	15	0.8	19		-	-	-	
UV-159	GIRLS LOCKER ROOM	LOCKER ROOMS	1303	0	0	0	0	0	0	0	650	-	0.5	650	650
	GIRLS LOCKER ROOM OFFICE	OFFICE SPACE	169	5	1	5	0.06	15	0.8	19		-	-	-	

NOTES:

1. QUANTITY OF OCCUPANTS FOR STANDARD CLASSROOMS ARE 30 OCCUPANTS BASED ON NYSED STATISTICAL DATA. ALL OTHER OCCUPANCIES ARE BASED UPON OCCUPANT DENSITIES FROM THE 2015 INTERNATIONAL MECHANICAL CODE

PUMP SCHEDULE

EQUIPMENT TAG	MANUFACTURER (OR ACCEPT. EQUAL)	MODEL	LOCATION	AREA SERVED	PUMP TYPE	CIRCULATING FLUID				MOTOR						NOTES
						FLUID	G.P.M.	HEAD (FT.)	TEMP. (°F)	NOM. H.P.	VOLT.	PHASE	HZ.	RPM	FLA	
BP-1	GRUNDFOS	TPE3 65-150-S -A-G-A-BQQE	BOILER ROOM	BOILER #1	IN-LINE	HOT WATER	144	32	180	1.5	208	1	60	1760	6.7	1-3
BP-2	GRUNDFOS	TPE3 65-150-S -A-G-A-BQQE	BOILER ROOM	BOILER #2	IN-LINE	HOT WATER	144	32	180	1.5	208	1	60	1760	6.7	1-3
BP-3	GRUNDFOS	TPE3 65-150-S -A-G-A-BQQE	BOILER ROOM	BOILER #3	IN-LINE	HOT WATER	144	32	180	1.5	208	1	60	1760	6.7	1-3
BP-4	GRUNDFOS	TPE3 65-150-S -A-G-A-BQQE	BOILER ROOM	BOILER #4	IN-LINE	HOT WATER	144	32	180	1.5	208	1	60	1760	6.7	1-3
BP-5	GRUNDFOS	TPE3 65-150-S -A-G-A-BQQE	BOILER ROOM	BOILER #5	IN-LINE	HOT WATER	144	32	180	1.5	208	1	60	1760	6.7	1-3
BP-6	GRUNDFOS	TPE3 65-150-S -A-G-A-BQQE	BOILER ROOM	BOILER #6	IN-LINE	HOT WATER	144	32	180	1.5	208	1	60	1760	6.7	1-3
P-1/2/3	GRUNDFOS	DELTA HCU 3 NBS 030-110 3x208V	BOILER ROOM	BUILDING	BASE MOUNTED	HOT WATER	980	100	180	20 (3)	208	3	60	1760	165.6	1-3
P-4/5/6	GRUNDFOS	DELTA HCU 3 CRE 32-2-1 3x208V	BOILER ROOM	HAGGAR WING	BASE MOUNTED	CHILLED WATER	225	110	44	7-1/2 (3)	208	3	60	1760	61	1-3
P-7	GRUNDFOS	TPE3 80-180-S -A-G-A-BQQE	BOILER ROOM	DOMESTIC WATER HEATER	IN-LINE	HOT WATER	225	25	180	3	208	3	60	1760	11	1-3
P-8	GRUNDFOS	TPE3 80-180-S -A-G-A-BQQE	BOILER ROOM	DOMESTIC WATER HEATER	IN-LINE	HOT WATER	225	25	180	3	208	3	60	1760	11	1-3

NOTES:

1. CLOSE COUPLED IN-LINE CENTRIFUGAL PUMP W/ VARIABLE FREQUENCY CONTROLLED MOTOR & DIFFERENTIAL PRESSURE TRANSMITTER
2. PROVIDE W/ SUCTION DIFFUSER
3. PROVIDE W/ MULTI-PURPOSE VALVE
4. INSULATE PUMP BODY & ALL ASSOCIATED PIPING, VALVES, ACCESSORIES
5. TRIPLEX SKID PACKAGE W/ (2) ACTIVE PUMPS & (1) BACKUP PUMP W/ FACTORY INSTALLED HEADERS & CONTROLS

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Consultant

BLAKE ENGINEERING PLLC

Project Title

VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

STATE OF NEW YORK · MATTHEW GEORGE BLAKE · 089039 · LICENSED PROFESSIONAL ENGINEER

#	DATE	DESCRIPTION
2	11/19/24	BID ADDENDUM #4
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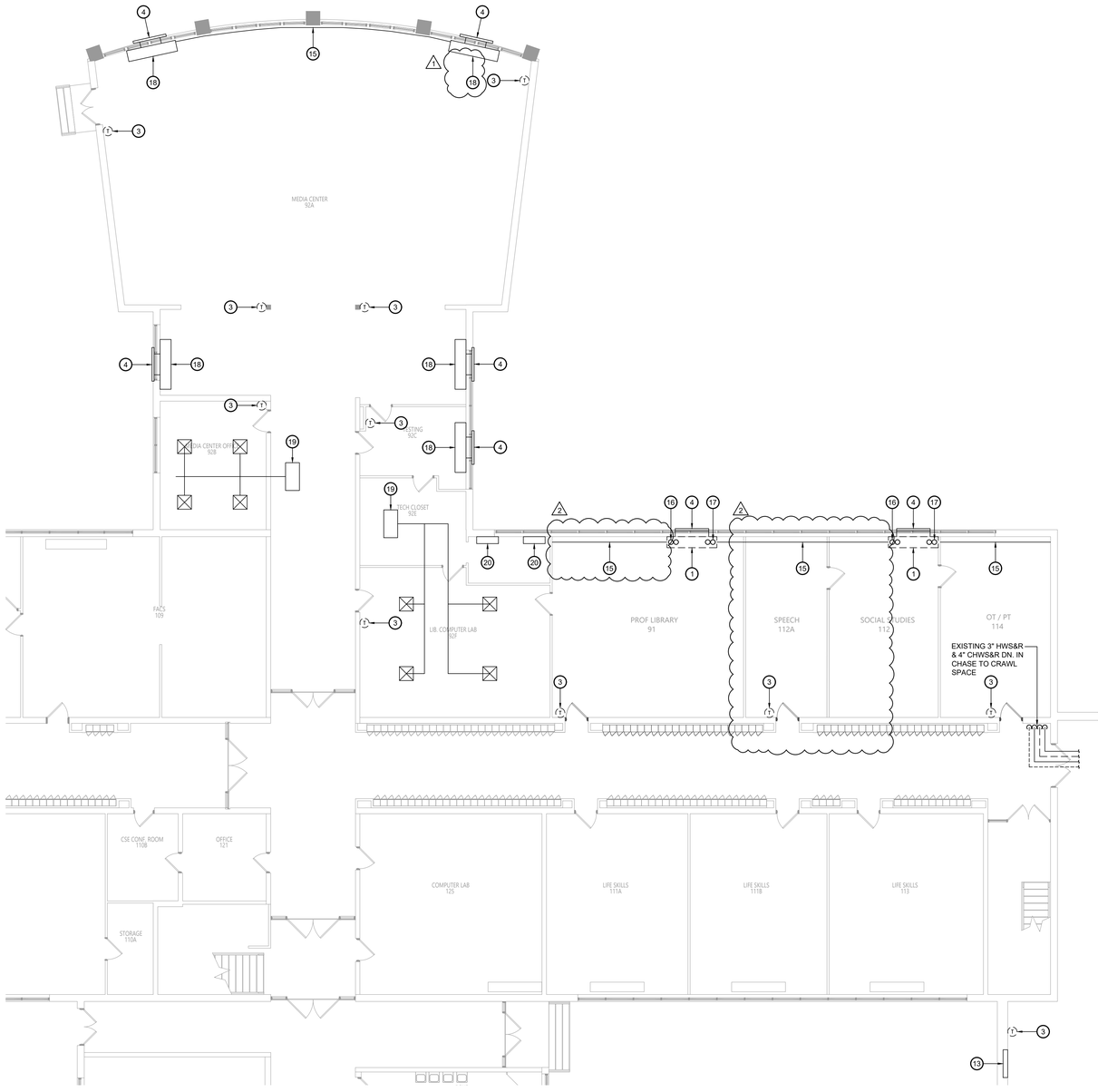
Sheet Title

MECHANICAL SCHEDULES

Sheet No.

VCHS M003

CONSTRUCTION DOCUMENTS



1 MD212 Mechanical Demolition Plan - Part 2

Scale: 1/8" = 1'-0"

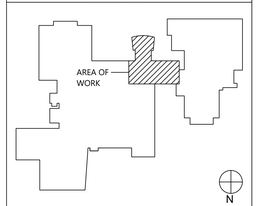
Sheet Notes:

1. TEMPERATURE CONTROLS SCOPE - REMOVE & REPLACE ALL EXISTING PNEUMATIC HVAC CONTROL SYSTEMS SERVING THIS AREA OF THE BUILDING. OWNER TO PROVIDE ALL MATERIALS & WIRING INCLUDING DEVICES, ACTUATORS, SENSORS, WIRING, CONDUIT, ETC. TO CONVERT ALL EQUIPMENT OVER TO REPLACEMENT DDC SYSTEM. MECHANICAL CONTRACTOR TO DEMOLISH & INSTALL ALL CONTROL VALVES AND ANY PIPING RELATED ACCESSORIES I.E. PORTS FOR SENSORS, ETC.; FIELD VERIFY EXISTING CONDITIONS PRIOR TO THE START OF WORK.

Key Notes:

1. DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING UNIT VENTILATOR AND ALL ASSOCIATED PIPING, ACCESSORIES, CONTROLS, ETC.
2. DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING HOT WATER & CHILLED WATER PIPING AND ALL ASSOCIATED VALVES, INSULATION, HANGERS, SUPPORTS, ETC.
3. DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING THERMOSTAT AND ASSOCIATED WIRING OR PNEUMATIC TUBING; MAINTAIN EXISTING BOX AND CONDUIT FOR REPLACEMENT UNIT WHERE COMPATIBLE.
4. EXISTING OUTSIDE AIR LOUVER AND WALL SLEEVE TO REMAIN
5. EXISTING DRAFT STOP TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF;
6. DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING RELIEF AIR TRANSFER GRILLE & DUCTWORK;
7. DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING ROOFTOP MOUNTED RELIEF AIR HOOD & ALL ASSOCIATED DUCTWORK
8. DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING DUCTED HORIZONTAL UNIT VENTILATOR AND ALL ASSOCIATED PIPING, ACCESSORIES, CONTROLS, ETC.
9. EXISTING SUPPLY AIR GRILLE/DIFFUSER & DUCT TO REMAIN
10. EXISTING RETURN AIR GRILLE & DUCT TO REMAIN
11. EXISTING OUTSIDE AIR LOUVER & DUCT TO REMAIN
12. EXISTING EXHAUST AIR GRILLES & DUCT TO REMAIN
13. EXISTING CABINET HEATER TO REMAIN; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATE PNEUMATIC CONTROLS; PROVIDE ELECTRONICALLY CONTROLLED VALVE(S) & DAMPER(S) CONNECTED TO BUILDING AUTOMATION SYSTEM
14. EXISTING EXHAUST FAN ON ROOF TO REMAIN
15. EXISTING FINNED TUBE RADIATION TO REMAIN; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATE PNEUMATIC CONTROLS; PROVIDE ELECTRONICALLY CONTROLLED VALVE(S) CONNECTED TO BUILDING AUTOMATION SYSTEM
16. REMOVE 3/4" HWS & HWR PIPING DN. THRU FLOOR INTO CRAWL SPACE & CAP AT MAIN; PIPING WILL BE EXTENDED & CONNECTED TO REPLACEMENT UNIT
17. REMOVE 1-1/4" CHWS & CHWR PIPING DN. THRU FLOOR INTO CRAWL SPACE & CAP AT MAIN; PIPING WILL BE EXTENDED & CONNECTED TO REPLACEMENT UNIT
18. EXISTING FLOOR MOUNTED VERTICAL UNIT VENTILATOR (HW HEATING & CHW COOLING) TO REMAIN; DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING CONTROLS & ASSOCIATED PNEUMATIC CONTROLS, TUBING, ETC.
19. EXISTING DUCTED FAN COIL (HW HEATING & CHW COOLING) TO REMAIN; DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING CONTROLS & ASSOCIATED PNEUMATIC CONTROLS, TUBING, ETC.
20. EXISTING FLOOR MOUNTED FAN COIL (HW HEATING & CHW COOLING) TO REMAIN; DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING CONTROLS & ASSOCIATED PNEUMATIC CONTROLS, TUBING, ETC.
21. DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING FINNED TUBE RADIATION AND ALL ASSOCIATED PIPING, ENCLOSURE, ACCESSORIES, CONTROLS, ETC.

KEY PLAN



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Project Title

VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

MATTHEW GEORGE BLAKE
LICENSED PROFESSIONAL ENGINEER
089039
STATE OF NEW YORK

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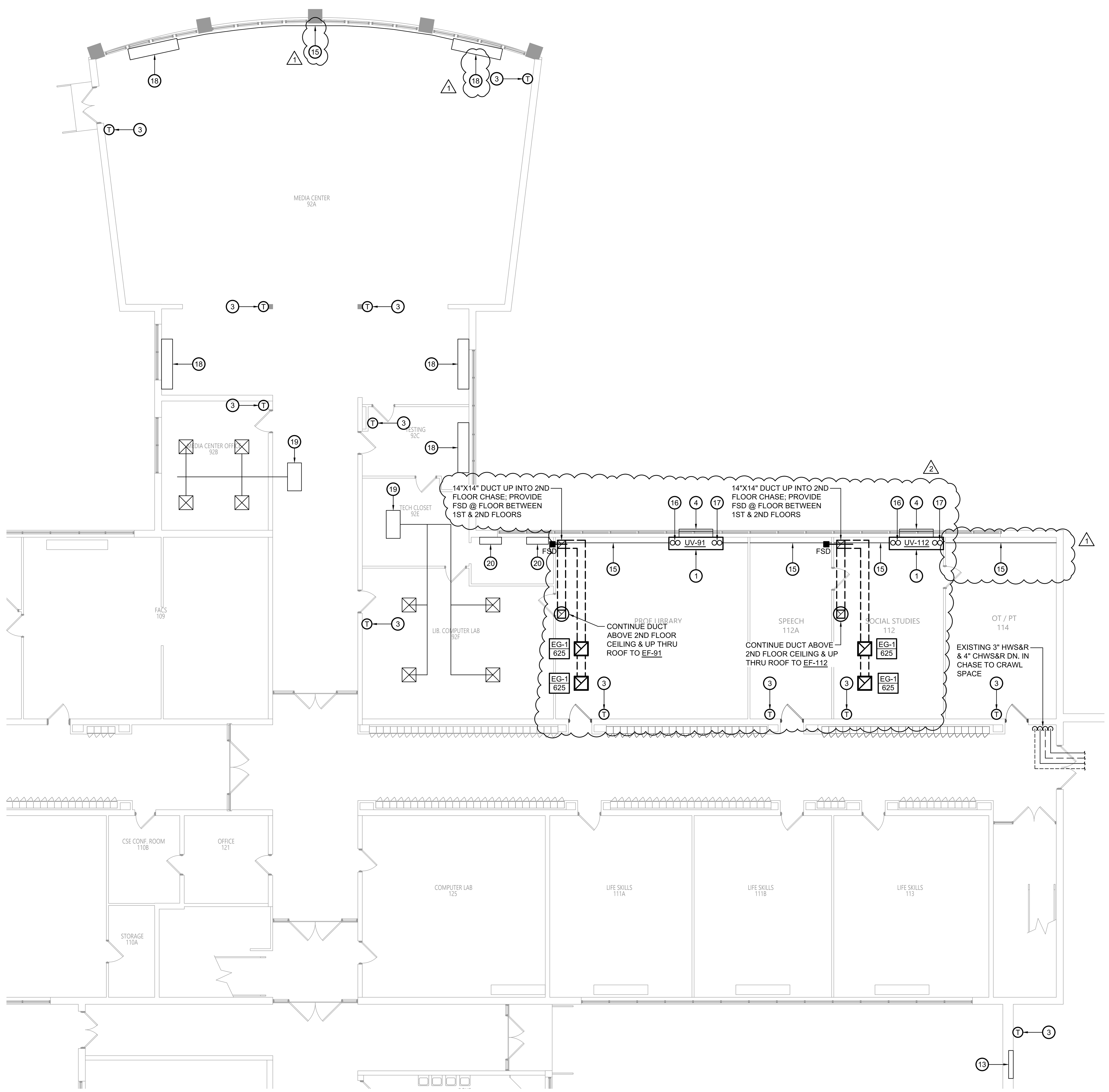
Sheet Title

MECHANICAL DEMOLITION PLAN - PART 2

Sheet No.

VCHS MD212

CONSTRUCTION DOCUMENTS



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M212

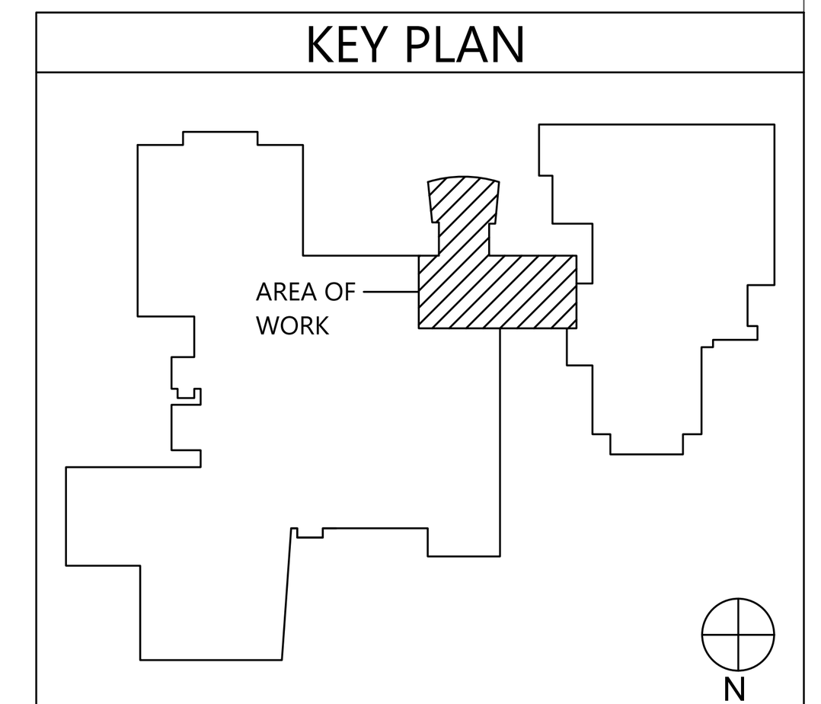
Mechanical Plan - Part 2

Scale: 1/8" = 1'-0"

Key Notes:

1. NEW UNIT VENTILATOR
2. 3/4" HWS/HWR & 1-1/4" CHWS/CHWR TO UV INSIDE DRAFT STOP; CONNECT TO EXISTING PIPING AT WALL
3. NEW THERMOSTAT
4. EXISTING OUTSIDE AIR LOUVER AND WALL SLEEVE TO REMAIN
5. NEW DRAFT STOP INSTALLED ON BOTH SIDE OF UV
8. NEW DUCTED HORIZONTAL UNIT VENTILATOR; CONNECT TO EXISTING HW & CHW PIPING AND SUPPLY, RETURN & OUTSIDE AIR DUCTWORK; VERIFY EXACT ROUTING & SIZES IN FIELD
9. EXISTING SUPPLY AIR GRILLE/DIFFUSER & DUCT TO REMAIN
10. EXISTING RETURN AIR GRILLE & DUCT TO REMAIN
11. EXISTING OUTSIDE AIR LOUVER & DUCT TO REMAIN
12. EXISTING EXHAUST AIR GRILLES & DUCT TO REMAIN
13. EXISTING CABINET HEATER TO REMAIN; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATE PNEUMATIC CONTROLS; PROVIDE ELECTRONICALLY CONTROLLED VALVE(S) & DAMPER(S) CONNECTED TO BUILDING AUTOMATION SYSTEM
14. EXISTING EXHAUST FAN ON ROOF TO REMAIN
15. (2) EXISTING FINNED TUBE RADIATION TO REMAIN; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATE PNEUMATIC CONTROLS; PROVIDE ELECTRONICALLY CONTROLLED VALVE(S) CONNECTED TO BUILDING AUTOMATION SYSTEM; MODIFY PIPING & ENCLOSURE AS NEEDED TO ACCOUNT FOR SIZE DIFFERENCE OF REPLACEMENT UNIT VENTILATOR
16. PROVIDE 3/4" HWS & HWR PIPING UP THRU FLOOR FROM CRAWL SPACE TO NEW UV
17. PROVIDE 1-1/4" CHWS & CHWR PIPING UP THRU FLOOR FROM CRAWL SPACE TO NEW UV
18. (1) EXISTING FLOOR MOUNTED VERTICAL UNIT VENTILATOR (HW HEATING & CHW COOLING) TO REMAIN; PROVIDE ELECTRONICALLY CONTROLLED VALVE(S) & DAMPER(S) CONNECTED TO BUILDING AUTOMATION SYSTEM
19. EXISTING DUCTED FAN COIL (HW HEATING & CHW COOLING) TO REMAIN; PROVIDE ELECTRONICALLY CONTROLLED VALVE(S) & DAMPER(S) CONNECTED TO BUILDING AUTOMATION SYSTEM
20. EXISTING FLOOR MOUNTED FAN COIL (HW HEATING & CHW COOLING) TO REMAIN; PROVIDE ELECTRONICALLY CONTROLLED VALVE(S) & DAMPER(S) CONNECTED TO BUILDING AUTOMATION SYSTEM

KEY PLAN



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Project Title

VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

STATE OF NEW YORK · MATTHEW GEORGE BLAKE · 089039 · LICENSED PROFESSIONAL ENGINEER

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Sheet Title

MECHANICAL PLAN - PART 2

Sheet No.

VCHS M212

CONSTRUCTION DOCUMENTS

Key Notes:

1. EXISTING UNIT VENTILATOR TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED CONDUITS, WIRING, DISCONNECTS, ETC.; REMOVE ALL CONDUITS AND WIRING BACK TO SOURCE

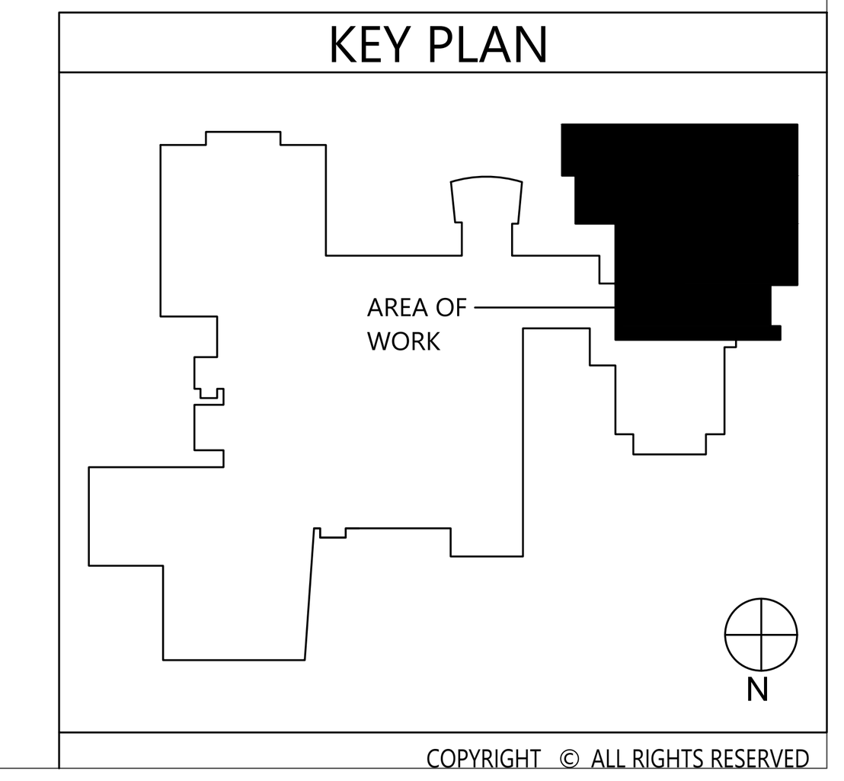
ELECTRICAL DEMOLITION NOTES:
AREAS INDICATED WITHIN DASHED LINES ARE TO HAVE EXISTING CEILINGS REMOVED. ELECTRICAL CONTRACTOR TO REMOVE ALL ELECTRICAL DEVICES WITHIN THESE CEILINGS. APPROXIMATE DEVICE LOCATIONS INDICATED FOR REFERENCE. CONTRACTOR TO FIELD VERIFY EXACT QUANTITY AND LOCATIONS.

- DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING LIGHT FIXTURES AND ASSOCIATED COMPONENTS INCLUDING HANGERS AND WIRING/CONDUIT. REMOVE WIRING BACK TO SWITCH.
- DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING LIGHT SWITCHES AND COVER PLATES. MAINTAIN EXISTING BOX, CONDUIT AND CIRCUIT FOR RECONNECTION TO REPLACEMENT SWITCH.
- DISCONNECT & REMOVE ALL CEILING DEVICES INCLUDING FIRE ALARM, WIRELESS ACCESS POINTS, SPEAKERS, ETC. AND STORE. MAINTAIN EXISTING WIRING FOR REINSTALLATION.

2 ELECTRICAL CONTRACTOR TO TIE-UP & SUPPORT ALL UNSUPPORTED WIRING, CABLING & CONDUIT ABOVE THE CEILINGS BEING REMOVED & REPLACED

1 / ED211 Electrical Demolition Plan
Scale: 1/8" = 1'-0"

KEY PLAN



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Consultant
Blake Engineering PLLC

Project Title
VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

STATE OF NEW YORK · MATTHEW GEORGE BLAKE · 089039 · LICENSED PROFESSIONAL ENGINEER

#	DATE	DESCRIPTION
2	11/19/24	BID ADDENDUM #4

Drawn By:	BJK
Checked By:	BJK
Proj. #:	44-13-01-06-0-015-033
CSArch Proj. #:	187-2302.01
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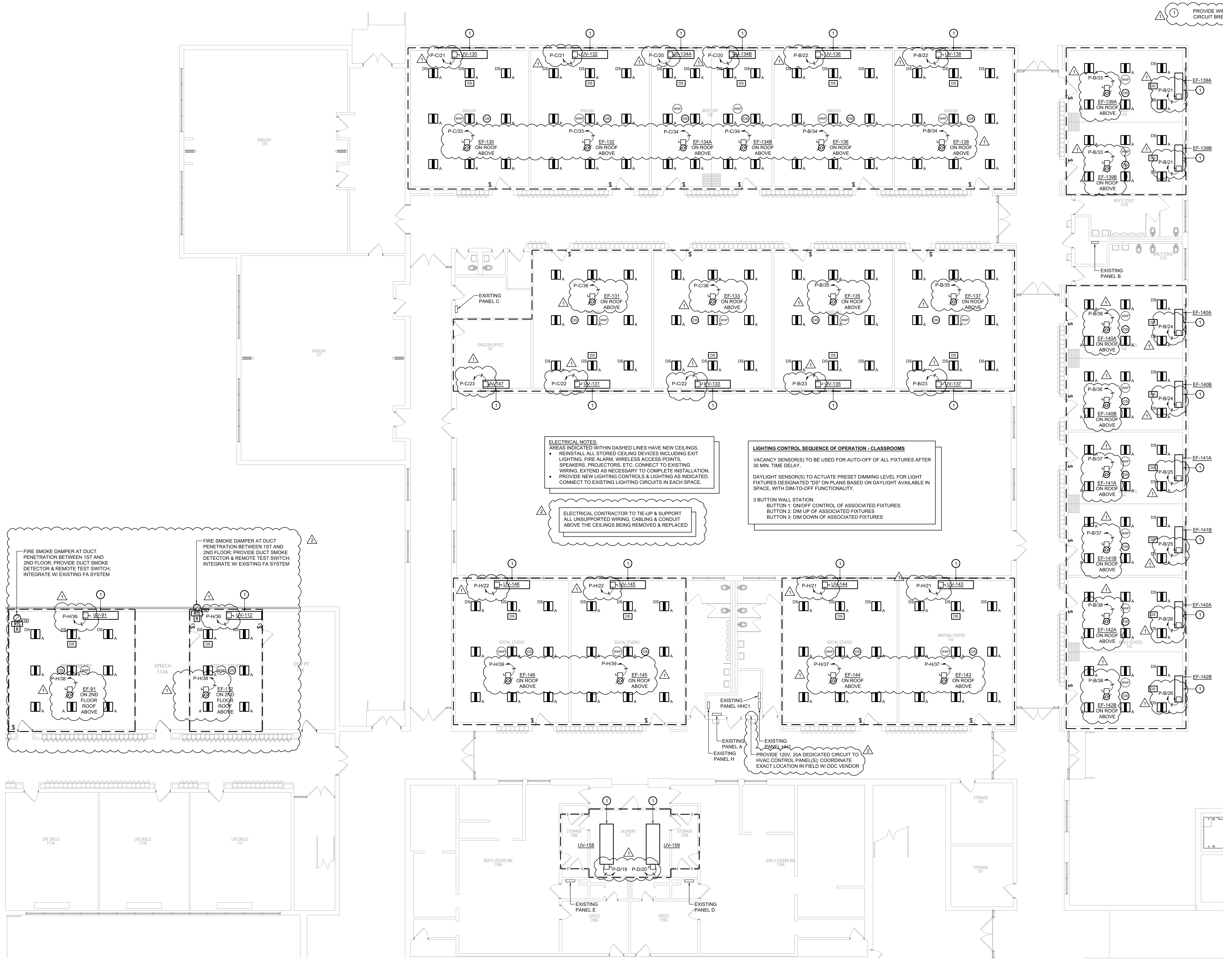
Sheet Title
ELECTRICAL DEMOLITION PLAN

Sheet No.
VCHS MD211

CONSTRUCTION DOCUMENTS

Key Notes:

1. PROVIDE WIRING AND CONDUIT TO UNIT VENTILATOR FROM NEW CIRCUIT BREAKER IN EXISTING PANELBOARD



ELECTRICAL NOTES:
AREAS INDICATED WITHIN DASHED LINES HAVE NEW CEILINGS.

- REINSTALL ALL STORED CEILING DEVICES INCLUDING EXIT LIGHTING, FIRE ALARM, WIRELESS ACCESS POINTS, SPEAKERS, PROJECTORS, ETC. CONNECT TO EXISTING WIRING, EXTEND AS NECESSARY TO COMPLETE INSTALLATION.
- PROVIDE NEW LIGHTING CONTROLS & LIGHTING AS INDICATED. CONNECT TO EXISTING LIGHTING CIRCUITS IN EACH SPACE.

ELECTRICAL CONTRACTOR TO TIE-UP & SUPPORT ALL UNSUPPORTED WIRING, CABLING & CONDUIT ABOVE THE CEILINGS BEING REMOVED & REPLACED

LIGHTING CONTROL SEQUENCE OF OPERATION - CLASSROOMS

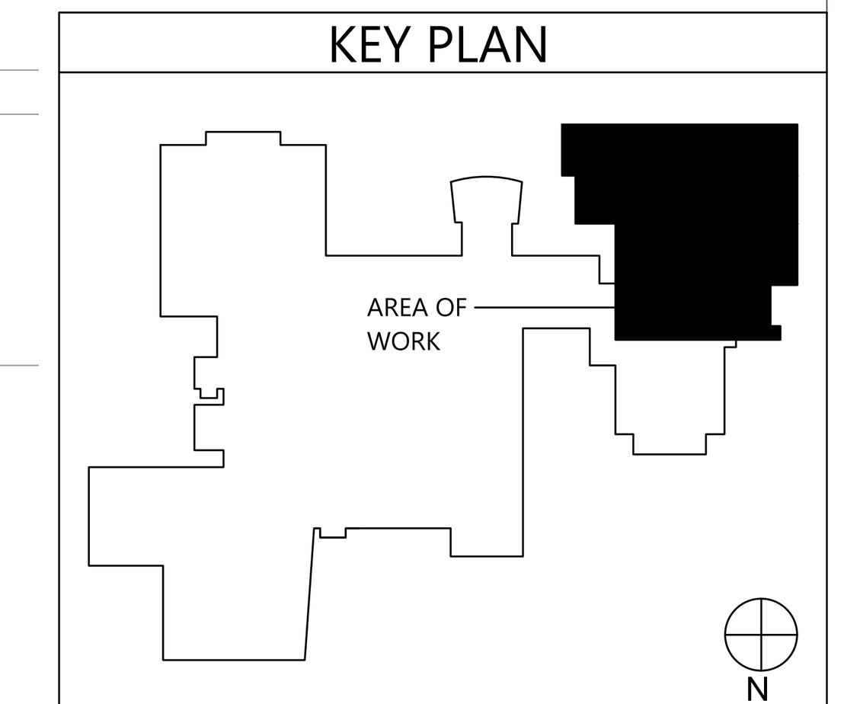
VACANCY SENSOR(S) TO BE USED FOR AUTO-OFF OF ALL FIXTURES AFTER 30 MIN. TIME DELAY.

DAYLIGHT SENSOR(S) TO ACTUATE PRESET DIMMING LEVEL FOR LIGHT FIXTURES DESIGNATED "DS" ON PLANS BASED ON DAYLIGHT AVAILABLE IN SPACE, WITH DIM-TO-OFF FUNCTIONALITY.

3 BUTTON WALL STATION:
BUTTON 1: ON/OFF CONTROL OF ASSOCIATED FIXTURES
BUTTON 2: DIM UP OF ASSOCIATED FIXTURES
BUTTON 3: DIM DOWN OF ASSOCIATED FIXTURES

1 / E211 Electrical Plan
Scale: 1/8" = 1'-0"

KEY PLAN



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Consultant: Blake Engineering PLLC

VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

#	DATE	DESCRIPTION
2	11/8/24	BID ADDENDUM #4
1	11/1/24	BID ADDENDUM #2

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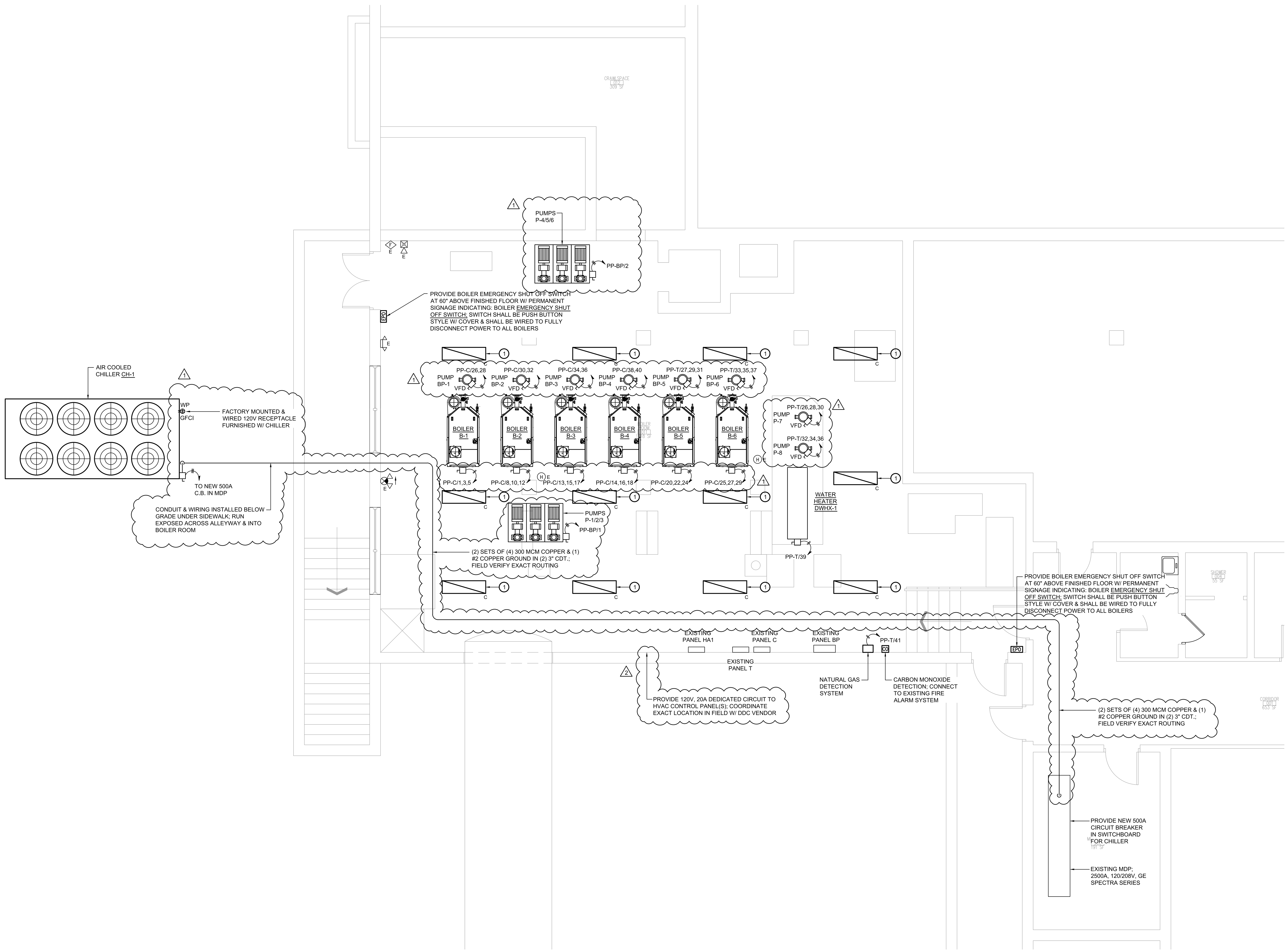
Sheet Title: ELECTRICAL PLAN

Sheet No. VCHS E211

CONSTRUCTION DOCUMENTS

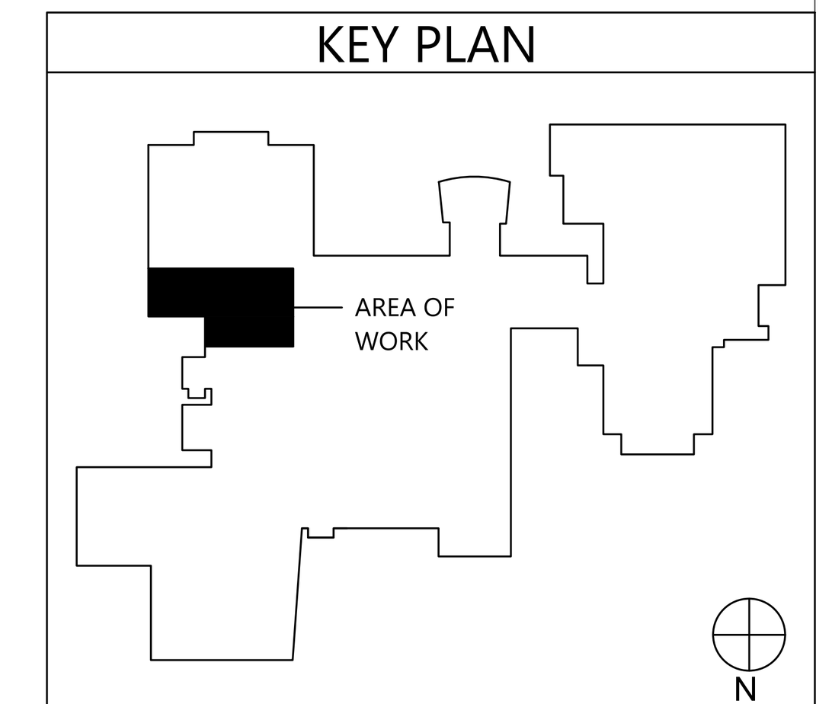
Key Notes:

1. NEW LIGHT FIXTURE; CONNECT TO EXISTING LIGHTING CIRCUIT & SWITCHING SERVING BOILER ROOM; FIELD VERIFY EXACT LAYOUT BASED ON EXISTING INFRASTRUCTURE & LAYOUT OF NEW PIPING & EQUIPMENT WITHIN SPACE
2. VFD FURNISHED BY MECHANICAL CONTRACTOR W/ PUMP; ELECTRICAL CONTRACTOR TO MOUNT & WIRE VFD



1 E301 Electrical Plan
Scale: 1/4" = 1'-0"

KEY PLAN



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Consultant
BLAKE ENGINEERING PLLC
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Project Title
VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

STATE OF NEW YORK · MATTHEW GEORGE BLAKE · LICENSED PROFESSIONAL ENGINEER · 089039

#	DATE	DESCRIPTION
2	11/19/24	BID ADDENDUM #4
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Sheet Title
ELECTRICAL PLAN

Sheet No.
VCHS E301

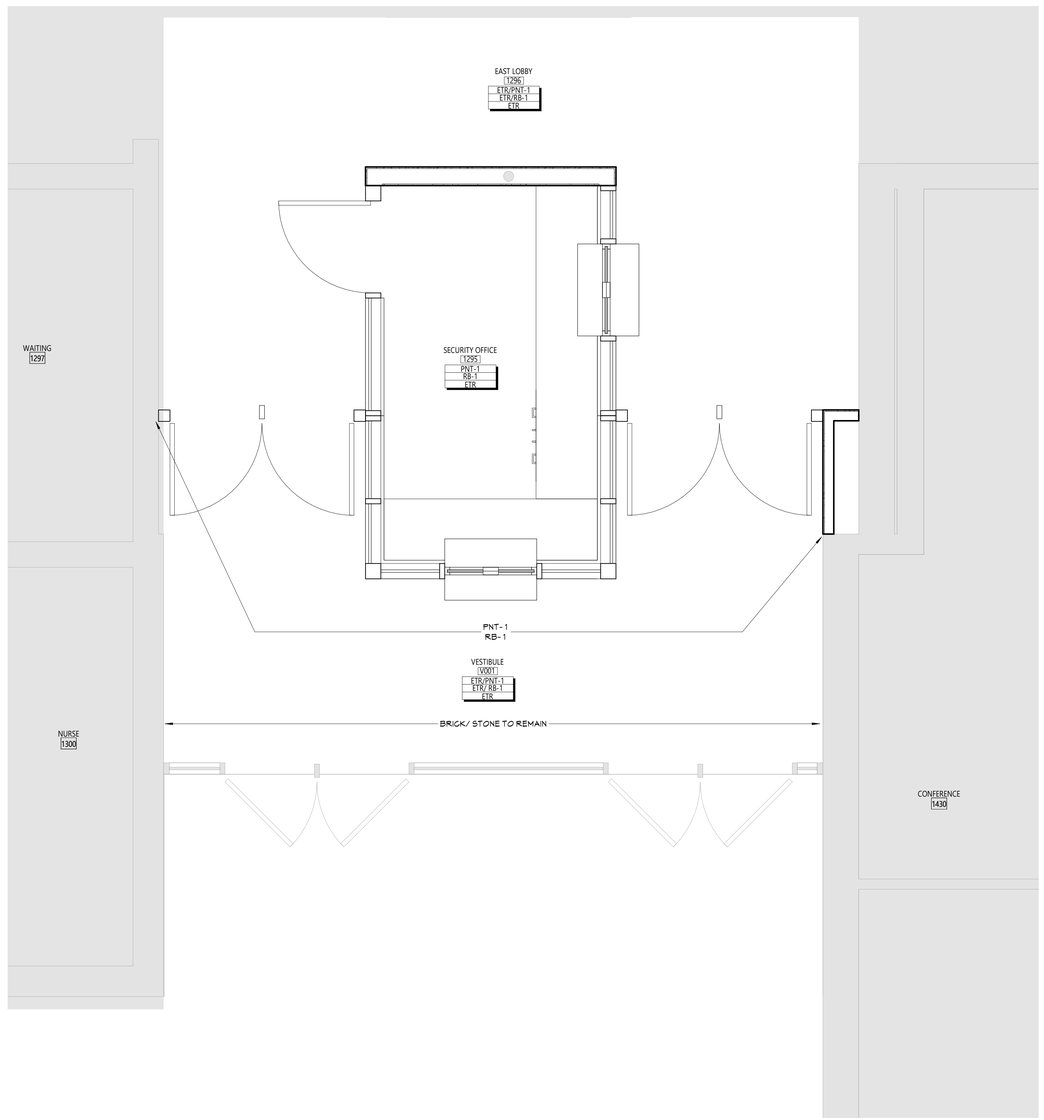
CONSTRUCTION DOCUMENTS

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR FINISH	FLOOR BASE	Wall Finish	Accent_Wall	CEILING	Comments
1295	SECURITY OFFICE	ETR	RB-1	PNT-1			
1296	EAST LOBBY	ETR	ETR/RB-1	ETR/PNT-1		PNT-2	
V001	VESTIBULE	ETR	ETR/ RB-1	ETR/PNT-1			

MATERIALS LEGEND

MATERIAL	MANUFACTURER	MODEL	COLOR #/NAME	SIZE	NOTE
-	-	-	-	-	-
PAINT					
PNT-1	SHERWIN WILLIAMS	EGG-SHELL	AS SELECTED FROM FULL RANGE OF COLOR/ MATCH EXISTING		GENERAL WALL PAINT
PNT-2	SHERWIN WILLIAMS	FLAT	SW 7005 PURE WHITE		CEILING PAINT
PLASTIC LAMINATE					
PLAM-1	WILSONART	LAMINATE	5034 HANDSPUN DOVE		WORKSURFACE
PLAM-2	WILSONART	LAMINATE	D315 PLATINUM		CASEWORK
RUBBER BASE					
RB-1	TARKETT	BASEWORKS	38 PEWTER CG	MATCH EXISTING	MATCH EXISITNG TERRAZZO BASE HEIGHT



1 PARTIAL FLOOR FINISH PLAN - FIRST FLOOR - AREA A
AF111 1/2" = 1'-0"

DISCLAIMER NOTE

MANUFACTURER'S NAMES AND FINISH INFORMATION ARE INDICATED AS REFERENCED TO THE ARCHITECTS BASIS-OF-DESIGN SELECTIONS AND HAVE BEEN DETERMINED PRIOR TO BID. THE CONTRACTOR AND OWNER ARE HEREBY NOTIFIED THAT FINISHES INSTALLED IN THE WORK ARE SUBJECT TO CHANGE IN RESPONSE TO SUBMITTALS, CONFIRMED SELECTIONS, PRODUCT AVAILABILITY AND THE SUBSEQUENT COORDINATION OF FINISHES BY ARCHITECT AND MAY DIFFER FROM PRODUCTS LISTED HEREIN.

ABBREVIATIONS

ACMU	ARCHITECTURAL CONCRETE MASONRY UNIT
ACT	ACOUSTICAL CEILING TILE
APC	ACOUSTICAL PANEL CEILING
BBT	BIO-BASED TILE
BRK	BRICK
CFT	CERAMIC FLOOR TILE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CPT	CARPET
CTB	CERAMIC TILE BASE
CWT	CERAMIC WALL TILE
ETR	EXISTING TO REMAIN
EXP	EXPOSED
EXST	EXISTING
FAC/FF	FACTORY FINISH
GWB	GYPSUM WALL BOARD
LMC	LINEAR METAL CEILING
MSS	MUSIC STORAGE SYSTEM
MWP	METAL WALL PANEL
PCON	POLISHED CONCRETE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PNT	PAINT
RAF	RESILIENT ATHLETIC FLOORING
RB	RUBBER BASE
RF	RESINOUS FLOORING
RST	RUBBER STAIR TREAD / LANDING
RT	RUBBER TILE FLOORING
SCONC	SEALED CONCRETE
SS	STAINLESS STEEL
STF	SYNTHETIC TURF FLOORING
STL	STEEL
TERR	TERRAZZO
TB	TERRAZZO BASE
TP	TOILET PARTITIONS
TYP	TYPICAL
VCT	VINYL COMPOSITION TILE
VCTAS	VINYL COMPOSITION TILE ANTI-STATIC
VNC	VINYL WALLCOVERING
WAF	WOOD ATHLETIC FLOORING
WD	WOOD
WOM	WALK-OFF MAT

GENERAL FINISH NOTES

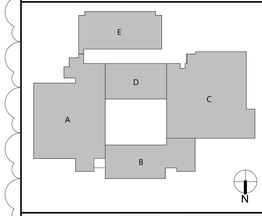
1. ALL EXPOSED SURFACES OF NEW PARTITIONS ARE TO BE PAINTED.
2. WHEN ANY WORK IS PERFORMED ON ANY EXISTING WALL, THE ENTIRE WALL SURFACE IS TO BE PAINTED CORNER TO CORNER, UNLESS NOTED OTHERWISE.
3. ALL NEW GWB CEILINGS, FASCIAS, AND SOFFITS TO BE PAINTED PNT-2.

FINISH KEYS

Room Name
[101]
Wall Finish
Base Finish
Floor Finish
- Finish Tag

PNT-# ACCENT PAINT LOCATION

KEY PLAN



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Project Title
VALLEY CENTRAL SCHOOL DISTRICT
VALLEY CENTRAL MIDDLE SCHOOL
2023 CAPITAL PROJECT - PHASE 1

REGISTERED ARCHITECT
JOHN M. WITZENBURG
022334
STATE OF NEW YORK

EXPIRATION DATE: 02/28/2025

#:	DATE	DESCRIPTION
4	11/19/24	BID ADDENDUM #4

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Sheet Title
MATERIAL SCHEDULE AND FINISH PLAN

Sheet No.
VCMS AF111

CONSTRUCTION DOCUMENTS

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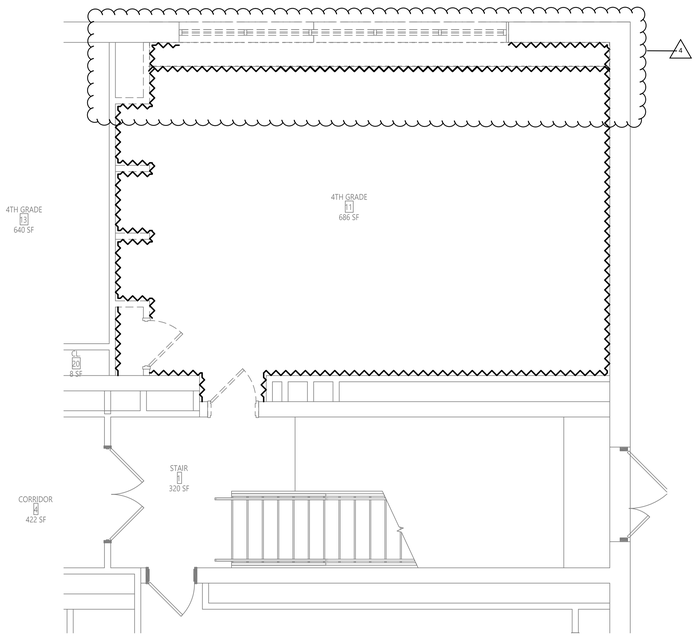
GENERAL NOTES:

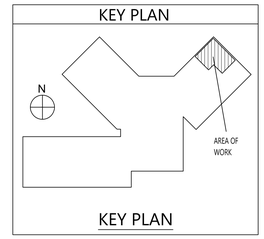
1. CONTRACTOR TO PROTECT THEIR EMPLOYEES WITH ADEQUATE PERSONAL PROTECTIVE EQUIPMENT AT ALL TIMES, WHEN PERFORMING WORK ON THIS PROJECT.
2. DISTRICT TO PROVIDE A WATER SUPPLY AND AN ELECTRICAL POWER SOURCE ON THIS PROJECT TO CONDUCT WORK ACTIVITIES. CONTRACTOR TO PROVIDE ALL INTERCONNECTS FOR WATER/POWER AND TO ENSURE THAT ALL TEMPORARY WATER/POWER SOURCES ARE PROPERLY INSTALLED BY A LICENSED PLUMBER/ELECTRICIAN.
3. CONTRACTOR'S EMPLOYEES SHALL WEAR PROTECTIVE SUITS AND HALF-FACE RESPIRATORS (AT A MINIMUM) AT ALL TIMES, REGARDLESS OF ANY NEGATIVE EXPOSURE ASSESSMENT REPORTS / DATA.

ASBESTOS ABATEMENT NOTES:

1. CONTRACTOR SHALL OBSERVE ALL FEDERAL, STATE, AND LOCAL REGULATIONS GOVERNING ASBESTOS ABATEMENT.
2. ASBESTOS ABATEMENT PROCEDURES SHALL BE CONDUCTED IN A MANNER CONSISTENT WITH PROJECT SPECIFICATION Ø28213.
3. THE SCOPE OF ABATEMENT WORK INVOLVES THE REMOVAL OF ASBESTOS- CONTAINING MATERIALS FROM THE AREAS INDICATED ON THE AA SERIES DRAWINGS.
4. THE CONTRACTOR ASSUMES THE RESPONSIBILITY FOR THE MEANS AND METHODS UTILIZED TO COMPLETE THE PROJECT IN A TIMELY, PROFESSIONAL, LEGAL, AND SAFE MANNER.
5. THE CONTRACTOR ACKNOWLEDGES THAT THE PROVIDED DRAWINGS MAY NOT BE TO SCALE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT A PRE-BID WALKTHROUGH AND SATISFY THEMSELVES OF THE QUANTITIES OF ASBESTOS-CONTAINING MATERIALS, PRESUMED ASBESTOS-CONTAINING MATERIALS AND THAT THEY SHALL BE CONTRACTUALLY OBLIGATED TO HANDLE AND DISPOSE OF ON THIS PROJECT.
6. DECONTAMINATION ENCLOSURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF NYSDOL ICR 56. THE LOCATIONS OF THESE ENCLOSURES, STAGING AREAS, WASTE DUMPSTERS / TRAILERS / VEHICLES, POWER AND WATER SOURCES SHALL BE IDENTIFIED TO DISTRICT REPRESENTATIVES AND THE PROJECT DESIGNER SEVENTY-TWO (72) HOURS PRIOR TO THE COMMENCEMENT OF ANY ACTIVITIES ON-SITE. THE CONTRACTOR ACCEPTS THAT DISTRICT REPRESENTATIVES AND/OR THE PROJECT DESIGNER MAY MODIFY THIS PLAN FOR ANY REASON DEEMED NECESSARY. THE CONTRACTOR MAY NOT PROCEED WITH ABATEMENT ACTIVITIES UNTIL THEY HAVE THE APPROVAL OF DISTRICT REPRESENTATIVES AND THE PROJECT DESIGNER.
7. THE DISTRICT (OR THEIR DESIGNATED PERSONNEL) SHALL BE RESPONSIBLE FOR HIRING THE PROJECT MONITORING FIRM ON THIS PROJECT. THE CONTRACTOR SHALL RECOGNIZE THE SELECTED FIRM'S PERSONNEL AS THE BUILDING OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COLLECTION OF PERSONAL AIR SAMPLES FOR THEIR EMPLOYEES DURING THIS PROJECT.
8. CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL WORK WITH DISTRICT REPRESENTATIVES AND THE MONITORING FIRM.



1 AREA C - PARTIAL FIRST FLOOR ABATEMENT PLAN
AA100 1/4" = 1'-0"



ADD ALTERNATE
ALT-GAC-1-01-001

LEGEND:

ASBESTOS-CONTAINING COVE BASE MASTIC TO BE REMOVED (APPROX. 62 SF)

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www.aeccgroup.com

VALLEY CENTRAL SCHOOL DISTRICT
WALDEN ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title

#	DATE	DESCRIPTION
4	11/19/24	BID ADDENDUM #4
3	11/8/24	BID ADDENDUM #3

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Sheet Title
ASBESTOS ABATEMENT FIRST FLOOR AREA C

Sheet No.
WES AA100

CONSTRUCTION DOCUMENTS

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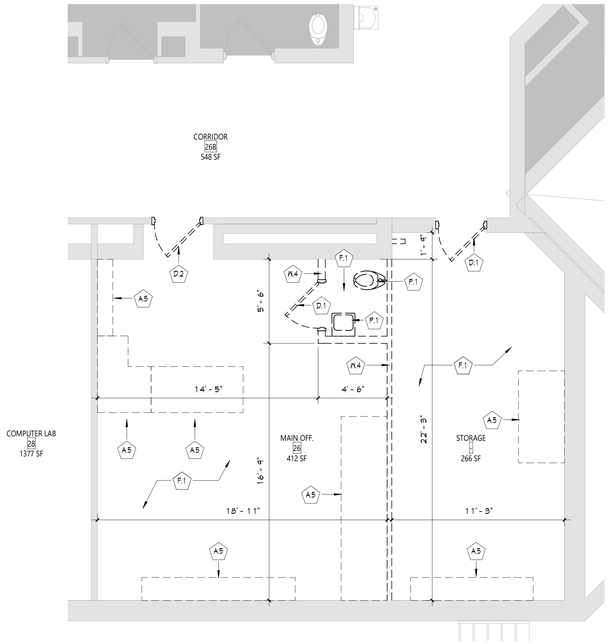
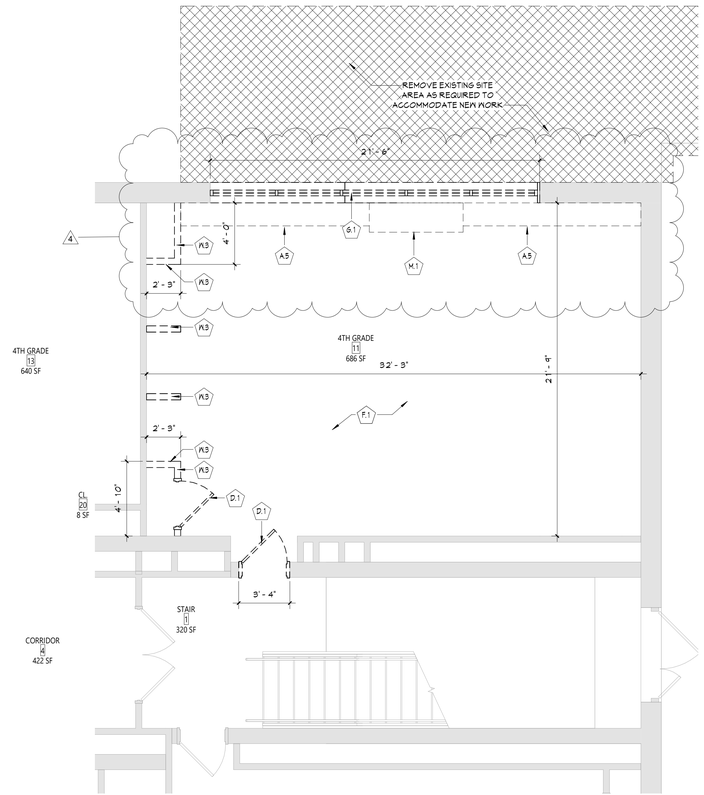


2 AD111 AREA B - PARTIAL SECOND FLOOR REMOVAL PLAN
1/4" = 1'-0"



1 AD111 AREA C - PARTIAL FIRST FLOOR REMOVAL PLAN
1/4" = 1'-0"

GENERAL NOTES

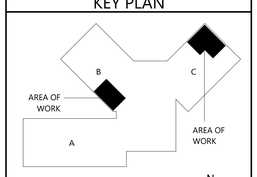
1. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.
2. PATCH AND REPLACE EXISTING AND NEWLY CREATED HOLES IN WALLS (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION.
3. SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, UNO
4. ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORING SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING WALLS.
5. REFER TO ASBESTOS AND MEP DRAWINGS FOR ADDITIONAL REMOVAL INFORMATION.
6. PROVIDE TEMPORARY SHORING AS NECESSARY AT ALL AREAS OF WALL REMOVAL AND NEW WALL PENETRATIONS.
7. DRILL CORNERS OF ALL NEW SAWCUT OPENING PRIOR TO SAWCUTTING, TO PREVENT CUTTING INTO SCHEDULED CONSTRUCTION TO REMAIN.

DEMOLITION KEYNOTES

#	Description
A.5	REMOVE BUILT-IN CASEWORK IN ITS ENTIRETY.
D.1	REMOVE DOOR, HARDWARE, AND FRAME IN ITS ENTIRETY.
D.2	REMOVE DOOR AND HARDWARE, FRAME TO REMAIN.
F.1	REMOVE FLOOR FINISH, INCLUDING ALL PADDING, ADHESIVES AND WALL BASE, TO SLAB BELOW
G.1	REMOVE WINDOW UNIT SYSTEM IN ITS ENTIRETY, INCLUDING ALL METAL SILL FLASHING, FLASHINGS, AND FASTENERS.
M.1	UNIT VENTILATOR. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
P.1	PLUMBING REMOVAL
W.3	REMOVE STUD PARTITION IN ITS ENTIRETY.
W.4	REMOVE WALL TO THE EXTENT SHOWN.

ADD ALTERNATE
ALT-GAC-1-01-001

KEY PLAN



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Consultant

VALLEY CENTRAL SCHOOL DISTRICT
WALDEN ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title

REGISTERED ARCHITECT
MICHAEL P. RITARDI
023345
STATE OF NEW YORK

EXPIRATION DATE: 02/28/2025

#	DATE	DESCRIPTION
4	11/15/24	BID ADDENDUM #4
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Sheet Title
REMOVAL PLANS - FIRST & SECOND FLOOR

Sheet No.
WES AD111

CONSTRUCTION DOCUMENTS

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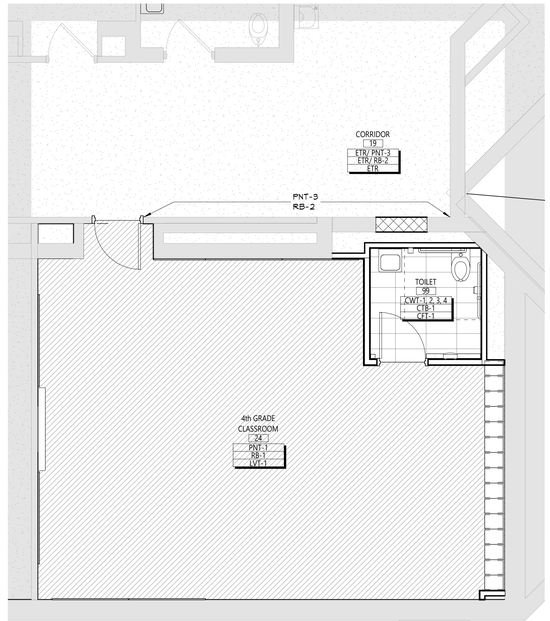
ROOM FINISH SCHEDULE

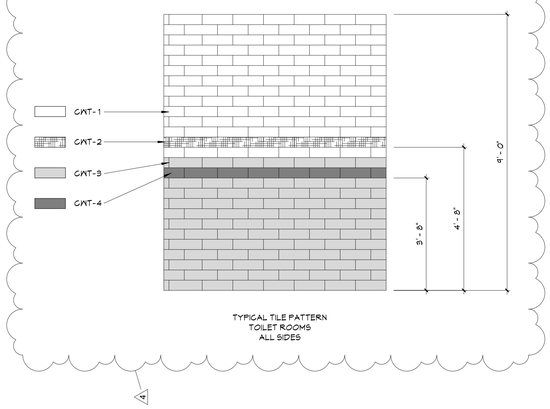
ROOM NUMBER	ROOM NAME	FLOOR FINISH	FLOOR BASE	Wall Finish	Accent_Wall	CEILING	Comments
11	MAIN OFFICE	LVT-1, CPT-1	RB-1	PNT-1			
11B	PRINCIPAL	CPT-1	RB-1	PNT-1			
19	CORRIDOR	ETR	ETR/ RB-2	ETR/ PNT-3			
24	4th GRADE CLASSROOM	LVT-1	RB-1	PNT-1			
94	SECURITY	CPT-1	RB-1	PNT-1			
95	VEST	LVT-1	RB-1	PNT-1			
99	TOILET	CFT-1	CTB-1	CWT-1, 2, 3, 4			

MATERIALS LEGEND

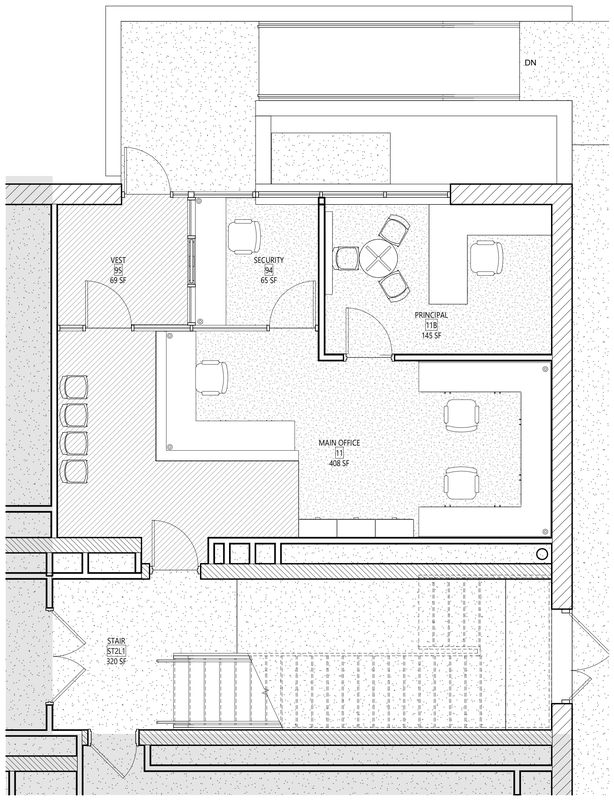
MATERIAL	MANUFACTURER	MODEL	COLOR #/NAME	SIZE	NOTE
CARPET TILE					
CPT-1	PATCRAFT	ON NEUTRAL GROUND - RAW EDGE	00580 MOIRE	18" X 36"	OFFICES (ASHLAR)
CERAMIC FLOOR TILE					
CFT-1	DALTILE	PORTFOLIO	PF04 DOVE GREY MATTE	12" X 24"	TOILETS
CERAMIC WALL BASE					
CTB-1	DALTILE	COLOR WHEEL LINEAR	X114 DESERT GRAY GLOSS	4"	TOILETS
CERAMIC WALL TILE					
CWT-1	DALTILE	COLOR WHEEL LINEAR	0190 ARCTRIC WHITE GLOSS	4" X 12"	GENERAL WALL TILE
CWT-2	DALTILE	COLOR WHEEL LINEAR	1174 SEA BREEZE GLOSS	4" X 12"	GENERAL WALL TILE
CWT-3	DALTILE	COLOR WHEEL LINEAR	X114 DESERT GRAY GLOSS	4" X 12"	GENERAL WALL TILE
CWT-4	DALTILE	COLOR WHEEL LINEAR	0182 SUEDE GRAY GLOSS	4" X 12"	GENERAL WALL TILE
LUXURY VINYL TILE					
LVT-1	MANNINGTON COMMERCIAL	COLOR ANCHOR - GROOVE	C141 MISTY MOUNTAIN	6" X 36"	TYP. FLOOR (SQUARE EDGE)
PAINT					
PNT-1	SHERWIN WILLIAMS	EGG-SHELL	SW 7631 CITY LOFT		GENERAL WALL PAINT
PNT-2	SHERWIN WILLIAMS	SEMI-GLOSS	SW 7615 SEA SERPENT		HM DOOR PAINT
PNT-3	SHERWIN WILLIAMS	EGGSHELL	AS SELECTED FROM FULL RANGE OF COLOR / MATCH EXISTING		CORRIDOR
PLASTIC LAMINATE					
PLAM-1	WILSONART	LAMINATE	5034-38 HANDSPUN DOVE		WORKSURFACE OFFICE
PLAM-2	WILSONART	LAMINATE	8221-38 SAP WALNUT		CASEWORK
RUBBER BASE					
RB-1	TARKETT	BASEWORKS	92 BLUE LAGOON	4"	TYP. BASE



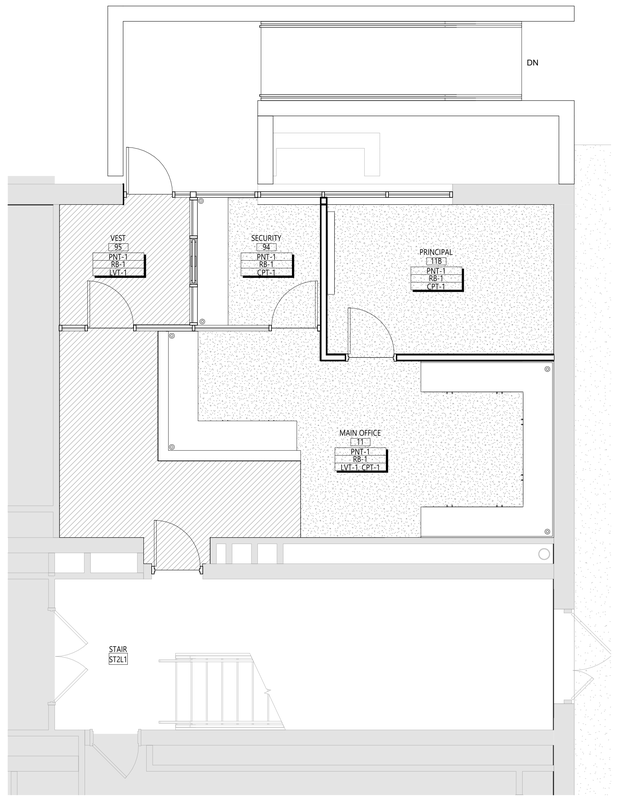
2 AREA B - PARTIAL SECOND FLOOR FINISH PLAN
AF111 1/4" = 1'-0"



TYPICAL TILE PATTERN
TOILET ROOMS
ALL SIDES



3 AREA C - PARTIAL FIRST FLOOR FURNITURE PLAN
AF111 1/4" = 1'-0"



1 AREA C - PARTIAL FIRST FLOOR FINISH PLAN
AF111 1/4" = 1'-0"

DISCLAIMER NOTE

MANUFACTURER'S NAMES AND FINISH INFORMATION ARE INDICATED AS REFERENCED TO THE ARCHITECT'S BASIS-OF-DESIGN SELECTIONS AND HAVE BEEN DETERMINED PRIOR TO BID. THE CONTRACTOR AND OWNER ARE HEREBY NOTIFIED THAT FINISHES INSTALLED IN THE WORK ARE SUBJECT TO CHANGE IN RESPONSE TO SUBMITTALS, CONFIRMED SELECTIONS, PRODUCT AVAILABILITY AND THE SUBSEQUENT COORDINATION OF FINISHES BY ARCHITECT AND MAY DIFFER FROM PRODUCTS LISTED HEREIN.

ABBREVIATIONS

ACMU	ARCHITECTURAL CONCRETE MASONRY UNIT
ACT	ACOUSTICAL CEILING TILE
APC	ACOUSTICAL PANEL CEILING
BBT	BIO-BASED TILE
BRK	BRICK
CFT	CERAMIC FLOOR TILE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CPT	CARPET
CTB	CERAMIC TILE BASE
CWT	CERAMIC WALL TILE
ETR	EXISTING TO REMAIN
EXP	EXPOSED
EXST	EXISTING
FAC/FF	FACTORY FINISH
GWB	GYPSUM WALL BOARD
LMC	LINEAR METAL CEILING
MSS	MUSIC STORAGE SYSTEM
MWP	METAL WALL PANEL
PCON	POLISHED CONCRETE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PNT	PAINT
RAF	RESILIENT ATHLETIC FLOORING
RB	RUBBER BASE
RF	RESINOUS FLOORING
RST	RUBBER STAIR TREAD / LANDING
RT	RUBBER TILE FLOORING
SCONC	SEALED CONCRETE
SS	STAINLESS STEEL
STF	SYNTHETIC TURF FLOORING
STL	STEEL
TERR	TERRAZZO
TP	TOILET PARTITIONS
TYP	TYPICAL
VCT	VINYL COMPOSITION TILE
VCTAS	VINYL COMPOSITION TILE ANTI-STATIC
VWC	VINYL WALLCOVERING
WAF	WOOD ATHLETIC FLOORING
WD	WOOD
WOM	WALK-OFF MAT

GENERAL FINISH NOTES

1. ALL EXPOSED SURFACES OF NEW PARTITIONS ARE TO BE PAINTED.
2. WHEN ANY WORK IS PERFORMED ON ANY EXISTING WALL, THE ENTIRE WALL SURFACE IS TO BE PAINTED CORNER TO CORNER, UNLESS NOTED OTHERWISE.
3. NEW HM DOORS, DOOR FRAMES AND WINDOW FRAMES AND ETR CORRIDOR DOOR & WINDOW FRAMES AS SCHEDULED ON A600 SERIES DRAWINGS.

FINISH KEYS

Room Name
[101]
Wall Finish
Base Finish
Floor Finish
= Finish Tag

PNT-# = ACCENT PAINT LOCATION

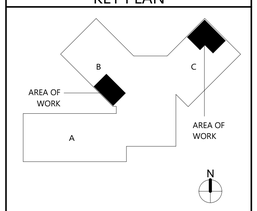
= CFT-1

= LVT-1

= CPT-1

ADD ALTERNATE
ALT-GAC-1-01-001

KEY PLAN



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Consultant

Project Title
VALLEY CENTRAL SCHOOL DISTRICT
WALDEN ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

REGISTERED ARCHITECT
JOHN M. WITZENBURG
022334
STATE OF NEW YORK

EXPIRATION DATE: 02/28/2025

#	DATE	DESCRIPTION
4	11/19/24	BID ADDENDUM #4

Drawn By:	AS
Checked By:	Checker
Proj. #:	44-13-01-06-0-009-021
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Issued for Bid:	10/18/24

Sheet Title
MATERIAL SCHEDULE, FURNITURE, AND FLOOR FINISH PLANS

Sheet No.
WES
AF111

CONSTRUCTION DOCUMENTS

C:\Users\askowron\Documents\187-2302.01 VCSD WES_askowronLE5RW.rvt