

Bid Addendum No. 3

November 8, 2024 Valley Central School District 2023 Capital Project – Phase 1 CSArch Project No. 187-2302.01 SED Control No. Varies



This Bid Addendum No. 3 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, (8) specification sections, (36) full size 30"x42" drawing sheets, notification to bidders on extension of bidding period, and responses to bidder requests for information.

Architect's Seal

EXTENSION OF BIDDING PERIOD

The bidding period for this project has been extended and the bid opening date has been rescheduled. Two copies of sealed bids shall be received until <u>3:00 pm Eastern Standard Time on November 26, 2024</u> at Valley Central School District - Administration Offices (located at 944 State Route 17K, Montgomery, NY 12549). Refer to revised specification section 001113 – Advertisement For Bids for additional 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.

REVISIONS TO THE PROJECT MANUAL

- 1. **DELETE** <u>previously revised</u> specification section 000110 Table of Contents. **REPLACE** with the <u>attached revised</u> specification section 000110 Table of Contents.
- 2. **DELETE** <u>previously revised</u> specification section 000115 List of Drawing Sheets. **REPLACE** with the <u>attached</u> <u>revised</u> specification section 000115 List of Drawing Sheets.
- 3. **DELETE** <u>original</u> specification section 001113 Advertisement For Bids. **REPLACE** with the <u>attached revised</u> specification section 001113 Advertisement For Bids.
- 4. **DELETE** <u>original</u> specification section 003110 Milestone Schedule. **REPLACE** with the <u>attached revised</u> specification section 003110 Milestone Schedule.
- 5. **DELETE** <u>original</u> specification section 011200 Summary Multiple Primes. **REPLACE** with the <u>attached revised</u> specification section 011200 Summary Multiple Primes.
- ADD attached <u>new</u> specification section 011200.01 Vendor (Trane USA, Inc.) Supplied HVAC Equipment Schedule.
- 7. ADD attached <u>new</u> specification section 011200.02 Vendor (Trane USA, Inc.) Supplied HVAC Controls Schedule.



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- 8. ADD attached new specification section 028213 Asbestos Abatement.
- 9. **DELETE** <u>original</u> specification section 321823 Running Track Surfacing in its entirety.
- 10. **DELETE** <u>original</u> specification section 321824 Tennis Court Surfacing in its entirety.

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. **ADD** the attached <u>new</u> drawing sheet BES AA100.
- 3. **DELETE** <u>previously revised</u> drawing sheet BES AD111. **REPLACE** with <u>attached revised</u> drawing sheet BES AD111.
- 4. **DELETE** <u>previously revised</u> drawing sheet BES A111. **REPLACE** with <u>attached revised</u> drawing sheet BES A111.
- 5. DELETE previously revised drawing sheet BES A901. REPLACE with attached revised drawing sheet BES A901.

VOLUME 02 OF 08 – EAST COLDENHAM ELEMENTARY SCHOOL

- 1. **DELETE** <u>previously revised</u> drawing sheet ECES G000. **REPLACE** with <u>attached revised</u> drawing sheet ECES G000.
- 2. **ADD** the attached <u>new</u> drawing sheet ECES AA100.
- 3. **DELETE** <u>previously revised</u> drawing sheet ECES AD111. **REPLACE** with <u>attached revised</u> drawing sheet ECES AD111.
- 4. **DELETE** <u>previously revised</u> drawing sheet ECES A111. **REPLACE** with <u>attached revised</u> drawing sheet ECES A111.
- 5. **DELETE** <u>previously revised</u> drawing sheet ECES A901. **REPLACE** with <u>attached revised</u> drawing sheet ECES A901.

VOLUME 03 OF 08 – MONTGOMERY ELEMENTARY SCHOOL

- 1. **DELETE** <u>previously revised</u> drawing sheet MES G000. **REPLACE** with <u>attached revised</u> drawing sheet MES G000.
- 2. **ADD** the attached <u>new</u> drawing sheet MES AA100.
- 3. **DELETE** <u>original</u> drawing sheet MES AD111. **REPLACE** with <u>attached revised</u> drawing sheet MES AD111.
- 4. DELETE previously revised drawing sheet MES A111. REPLACE with attached revised drawing sheet MES A111.
- 5. DELETE previously revised drawing sheet MES A901. REPLACE with attached revised drawing sheet MES A901.

VOLUME 04 OF 08 – MAYBROOK ALTERNATIVE LEARNING CENTER

- 1. DELETE previously revised drawing sheet MAY G000. REPLACE with attached revised drawing sheet MAY G000.
- 2. **ADD** the attached <u>new</u> drawing sheet MAY AA100.
- 3. DELETE original drawing sheet MAY AD121. REPLACE with attached revised drawing sheet MAY AD121.
- 4. **DELETE** <u>previously revised</u> drawing sheet MAY A121. **REPLACE** with <u>attached revised</u> drawing sheet MAY A121.



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VOLUME 05 OF 08 – VALLEY CENTRAL HIGH SCHOOL

- 1. **DELETE** <u>previously revised</u> drawing sheet VCHS G000. **REPLACE** with <u>attached revised</u> drawing sheet VCHS G000.
- 2. **ADD** the attached <u>new</u> drawing sheet VCHS AA100.
- 3. **ADD** the attached <u>new</u> drawing sheet VCHS AA200.
- 4. **ADD** the attached <u>new</u> drawing sheet VCHS AA300.
- 5. **DELETE** <u>original</u> drawing sheet VCHS AD112. **REPLACE** with <u>attached revised</u> drawing sheet VCHS AD112.
- 6. **DELETE** <u>previously revised</u> drawing sheet VCHS A111. **REPLACE** with <u>attached revised</u> drawing sheet VCHS A111.
- 7. DELETE original drawing sheet VCHS A112. REPLACE with attached revised drawing sheet VCHS A112.
- 8. DELETE previously revised drawing sheet VCHS A901. REPLACE with attached revised drawing sheet VCHS A901.

VOLUME 06 OF 08 - VALLEY CENTRAL MIDDLE SCHOOL

- 1. **DELETE** <u>previously revised</u> drawing sheet VCMS G000. **REPLACE** with <u>attached revised</u> drawing sheet VCMS G000.
- 2. ADD the attached <u>new</u> drawing sheet VCMS AA100.
- 3. **DELETE** <u>original</u> drawing sheet VCMS AD111. **REPLACE** with <u>attached revised</u> drawing sheet VCMS AD111.
- 4. **DELETE** <u>previously revised</u> drawing sheet VCMS A901. **REPLACE** with <u>attached revised</u> drawing sheet VCMS A901.

VOLUME 07 OF 08 - WALDEN ELEMENTARY SCHOOL

- 1. **DELETE** <u>previously revised</u> drawing sheet WES G000. **REPLACE** with <u>attached revised</u> drawing sheet WES G000.
- 2. **ADD** the attached <u>new</u> drawing sheet WES AA100.
- 3. **DELETE** <u>original</u> drawing sheet WES AD111. **REPLACE** with <u>attached revised</u> drawing sheet WES AD111.
- 4. **DELETE** <u>previously revised</u> drawing sheet WES A111. **REPLACE** with <u>attached revised</u> drawing sheet WES A111.
- 5. **DELETE** <u>previously revised</u> drawing sheet WES A901. **REPLACE** with <u>attached revised</u> drawing sheet WES A901.

VOLUME 08 OF 08 - ADMINISTRATION BUILDING

1. N/A



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RESPONSES TO BIDDER REQUESTS FOR INFORMATION

- 1. BES A111 Drawing BES A111 shows (3) windows labeled W2, but the window spec was deleted under addendum #2; are these windows still required? Should they be priced as fixed storefronts? Please clarify.
 - a. <u>Response:</u> Windows (Type W2) will be removed from drawings in Bid Addendum #3.
- 2. Addendum #2; Bidder Question #9: Fire-rated doors can have up to 100 square inches of glass, and type 'N' doors are required. However, the specified design (Technical Glass Products) does not offer a narrow lite door for type N, only stile-and-rail doors (like type DG). Flush type N doors will need to be from another manufacturer, such as Special-Lite, which does not provide fire-rated storefront frames (only FRP frames). Additionally, none of the listed manufacturers—EFCO, Kawneer, OldCastle, Traco, Vistawall, YKK—offer fire-rated frames or doors. Is it acceptable to use different manufacturers for doors and frames? Will TGP warranty a fire-rated frame without their doors?
 - a. <u>Response:</u> Door types have been updated via Bid Addendum #3.

END OF BID ADDENDUM NO. 3

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 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 A112 ENLARGED FLOOR PLAN FIRST FLOOR AREAB
- BES A201 EXTERIOR ELEVATIONS
- BES A202 EXTERIOR ELEVATIONS
- BES A351 PLAN AND SECTION DETAILS
- BES A601 ENLARGED PLAN AND INTERIOR ELEVATIONS
- BES A602 ENLARGED PLAN AND INTERIOR ELEVATIONS
- BES A651 CASEWORK DETAILS

ARCHITECTURAL DRAWINGS

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

BESPD111PLUMBING DEMOLITION PLAN - PART 1BESPD112PLUMBING 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

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 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
- 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

HAZA	RDOUS N	IATERIALS DRAWINGS	\wedge
MES	AA100	ASBESTOS ABATEMENT FIRST FLOOR AREA C	3

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

HAZARDOUS MATERIALS DRAWINGS

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VCHS	AA300	ASBESTOS ABATEMENT ROOF AREAS C & D	2
VCHS	AA200	ASBESTOS ABATEMENT SECOND FLOOR AREA C	\vdash
VCHS	AA100	ASBESTOS ABATEMENT FIRST FLOOR AREA C	ļ
P)

ARCHITECTURAL DEMOLITION DRAWINGS

- VCHS AD111 FIRST FLOOR REMOVAL PLAN AREA A
- VCHS AD112 FIRST FLOOR REMOVAL PLAN AREA C & D
- VCHS AD401 ROOF REMOVAL PLAN AREA C & D
- VCHS AD802 REFLECTED CEILING REMOVAL PLAN AREA C & D

ARCHITECTURAL DEMOLITION DRAWINGS

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

MECHANICAL DEMOLITION DRAWINGS

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

GENERAL DRAWINGS

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

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SECTION 001113 - ADVERTISEMENT FOR BIDS

PROJECT INFORMATION: VALLEY CENTRAL SCHOOL DISTRICT 2023 CAP. PROJ. - PHASE 1

- 1.1 The Owner (hereinafter referred to as Owner):
 - A. Valley Central School District
 - B. Address: 944 State Route 17K Montgomery, New York 12549 845-457-2400
- 1.2 And the Architect (hereinafter referred to as Architect):
 - A. CSArch
 - B. Address: 19 Front Street Newburgh, New York 12550 845-561-3179
- 1.3 And the Construction Manager (hereinafter referred to as Construction Manager):
 - A. The Palombo Group
 - B. Address:

195 Front Street, First Floor Newburgh, NY 12550 845-868-1239

SED Control Numbers

Maybrook Alternative Learning Cente	r 44-13-01-06-0-002-013
Montgomery Elementary School	44-13-01-06-0-004-015
Walden Elementary School	44-13-01-06-0-009-021
East Coldenham Elementary School	44-13-01-06-0-013-019
Valley Central High School	44-13-01-06-0-015-033
Valley Central Middle School	44-13-01-06-0-016-023
Berea Elementary School	44-13-01-06-0-017-014
Administration Offices	44-13-01-06-1-005-006

The Owner, the Valley Central School District will receive sealed bids to furnish material and labor to complete the Valley CSD 2023 Capital Project Ph 1 which includes renovations and alterations. Each bid shall be on a stipulated sum basis for the following contracts:

CONTRACTS

Contract No. 1-01	General & Abatement Construction (GAC)
Contract No. 1-02	Mechanical & Plumbing Construction (MPC)
Contract No. 1-03	Electrical Construction (EC)

BID INFORMATION

2.1 Sealed bids will be received until the time indicated below. Bids received after this time will not be accepted and returned to the Bidder unopened. Bids will be opened publicly and read aloud after specified receipt time. An abstract of Bids received will be made available via www.csarchplanroom.com

made available
Due Date/ Time
Location

archplanroom.com.
(11-26-2024 at 3:00pm) 3
VCSD Administration Offices
944 State Route 17K
Montgomery, New York 12549
2

BIDDING DOCUMENTS

of copies

- 3.1 It is the intention of this Project to be both environmentally and fiscally conscious of paper use and consumption. Therefore, documents will be distributed as digital sets. Bidding Documents, Drawings, and Specifications may be viewed online free of charge beginning 10-18-2024 at www.csarchplanroom.com under 'Public Projects', or electronically downloaded for a non-refundable fee of one-hundred dollars (\$100.00).
- 3.2 Complete sets of Bidding Documents, Drawings, and Specifications, on compact disc (CD) or USB flash drive may be obtained from Rev, 28 Church Street, Warwick, New York 10990 Tel: (845) 651-3845, upon depositing the sum of one-hundred dollars (\$100.00). Checks or money orders shall be made payable to Valley Central School District.
 - A. Deposit is refundable in accordance with the terms in the Instructions to Bidders to all submitting bids. Any bidder requiring (CD's) to be shipped shall make arrangements directly with the printer and pay for all packaging and shipping costs.

- B. Any bidder requiring paper copies of the Bidding Documents, Drawings and Specifications shall make arrangements directly with the printer and pay for all printing, packaging and shipping costs. Such costs are non-refundable.
- 3.3 Bidder must provide Bid Security in the amount and form, per the terms indicated in Section *Instructions to Bidders*. All Bids will remain subject to acceptance for forty-five (45) days following the receipt of Bids. The Owner may, in its sole discretion, reject any Bid and return Bid Security prior to that date.
 - A. A full performance bond, together with labor and material payment bonds in form acceptable to Owner shall be required of the successful Bidder for the full contract amount.
- 3.4 A Pre-Bid Conference will be held at 2:30pm Eastern Standard Time, 10-30-2024 beginning at the School District's Maintenance Building located on the west side of the Valley Central Middle School site at 15 Middle School Lane, Montgomery, NY 12549. Walkthroughs will commence after the Pre-Bid Conference at Valley Central Middle School, Valley Central High School, East Coldenham Elementary School, Berea Elementary School, Administration Offices, Montgomery Elementary School, Maybrook Alternate Learning Center, and Walden Elementary School. Attendance of this meeting is recommended as the Owner, Architect and/or consultants will be present to discuss the Project. Attendees should anticipate 30 minutes Q & A session. For bidders unable to attend this conference or requesting additional opportunity to visit the site(s), arrangements can be made for appointment, by contacting William Devine, The Palombo Group, Construction Manager, Office: 845-868-1239 and Cell: 845-554-7631
- 3.5 Bids shall not include New York State sales and compensating use taxes on materials and supplies incorporated into the Work, as the Owner being exempt therefrom. Bidders must comply with New York Sate Department of Labor Prevailing Wage Rate Schedule and conditions of employment.

PLAN CENTERS

4.1 Bidding/Contract Documents (drawings and project manuals) may be examined as of 10-18-2024 at the following locations by appointment only:

CSArch 19 Front Street Newburgh, New York 12550 Phone: 845-561-3179 Valley Central School District 944 State Route 17K Montgomery, New York 12549 Phone: 845-457-2400 This project is publicly funded. The Bidders must comply with New York State Department of Labor Prevailing Wage Rate Schedule and conditions of employment.

The Valley Central School District reserves the right to waive any informalities or irregularities in the Bids received, and/ or to reject all Bids without explanation.

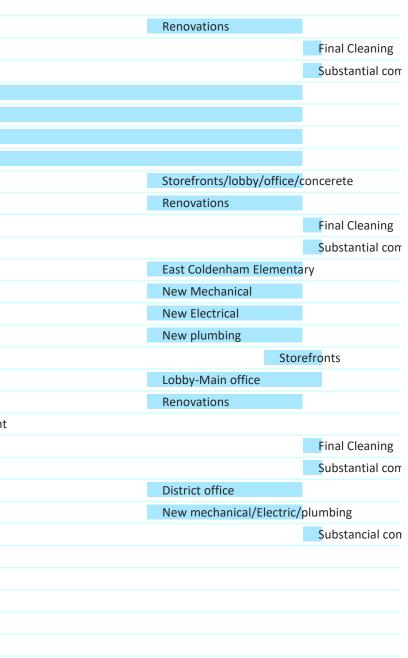
By Order of: Valley Central School District, Board of Education

END OF SECTION

Proj	ect Lead: William Devine					Dec-24	Jan-25	Feb-25			Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25
WRS	Task Name	Start	Finish	Duration RESPONSIBILTY	LOCATION	49 50 51 52	1 2 3 4	5 6 7	8 9 10	11 12 13 1	4 15 16 17	18 19 20 21	22 23 24 25	26 27 28 29 30 31	32 33 34	35 36 37 38 39
mbt.					LOGATION											
1	Mobilization	Mon 02-Dec-24	Mon 02-Dec-24	1		Mobilization										
2	Night Shift at schools from Dec-June	Mon 02-Dec-24	Fri 27-Jun-25	150		Night Shift at	schools from	Dec-June								
3	Montgomery Elementary	Mon 30-Jun-25	Mon 30-Jun-25	1										Montgomery E	lementary	
4	High School	Mon 02-Dec-24	Mon 02-Dec-24	1		High School										
5	Berea Elementary	Mon 02-Dec-24	Mon 02-Dec-24	1		Berea Elemer	ntary									
6	Maybrook Elementary	Mon 30-Jun-25	Mon 30-Jun-25	1										Maybrook Eler	mentary	
7	Walden Elementary	Mon 02-Dec-24	Mon 02-Dec-24	1		Walden Elem	entary									
8	East Coldenham Elementary	Mon 30-Jun-25	Mon 30-Jun-25	1										East Coldenha	m Elementar	Y
9	Work breakdown	Mon 02-Dec-24	Sat 23-Aug-25	190		Work breakd	own									
10	Montgomery Elementary	Mon 30-Jun-25	Fri 22-Aug-25	40										Montgomery E	lementary	
$\frac{11}{2}$	Storefronts/lobby/office	Mon 30-Jun-25	Sat 23-Aug-25	40										Storefronts/lol	bby/office	
12	abatement	Mon 30-Jun-25	Mon 25-Aug-25	41										abatement		
13	Renovations	Mon 30-Jun-25	Fri 22-Aug-25	40										Renovations		
14	Final Cleaning	Mon 25-Aug-25	Wed 27-Aug-25	3												Final Cleaning
15	Substantial completion	Thu 28-Aug-25	Thu 28-Aug-25	1												Substantial com
16	High School	Mon 02-Dec-24	Fri 22-Aug-25	190		High School										
17	New Mechanical piping	Mon 02-Dec-24	Fri 22-Aug-25	190		New Mechan	ical piping									
18	New Electrical for Mechanical	Mon 02-Dec-24	Fri 22-Aug-25	190		New Electrica	al for Mechani	ical								
19	Abatement	Sat 21-Dec-24	Fri 27-Dec-24	5		Abate	ment									
20	Boilers	Mon 26-May-25	Fri 22-Aug-25	65									Boilers			
21	Storefronts/lobby/office	Mon 30-Jun-25	Fri 22-Aug-25	40										Storefronts/lol	oby/office	
22	Renovations	Mon 30-Jun-25	Fri 22-Aug-25	40										Renovations		
23	Final Cleaning	Mon 25-Aug-25	Wed 27-Aug-25	3												Final Cleaning
24	Substantial completion	Thu 28-Aug-25	Thu 28-Aug-25	1												Substantial com
25	Berea Elementary	Mon 02-Dec-24	Fri 22-Aug-25	190		Berea Elemer	ntary									
26	New Mechanical piping	Mon 02-Dec-24	Fri 22-Aug-25	190		New Mechan	ical piping									
27	New Electrical infrastructure	Mon 02-Dec-24	Fri 22-Aug-25	190		New Electrica	al infrastructu	re								
28	New plumbing Infrastructure 23	Mon 02-Dec-24	Fri 22-Aug-25	190		New plumbin	ng Infrastructu	ire								
29	Storefronts/lobby/office/concerete	Mon 30-Jun-25	Fri 22-Aug-25	40										Storefronts/lol	bby/office/co	oncerete
30	abatement) Mon 14-Apr-25	Fri 18-Apr-25	5							abate	ement				
31	Renovations	Mon 30-Jun-25	Fri 22-Aug-25	40										Renovations		
32	Final Cleaning	Mon 25-Aug-25	Wed 27-Aug-25	3												Final Cleaning
33	Substantial completion	Thu 28-Aug-25	Thu 28-Aug-25	1												Substantial com
34	Maybrook Elementary	Mon 30-Jun-25	Fri 22-Aug-25	40										Maybrook Eler	mentary	
35	New Mechanical	Mon 30-Jun-25	Fri 22-Aug-25	40										New Mechanic		
36	New Electrical	Mon 30-Jun-25	Fri 22-Aug-25	40										New Electrical		
37	New plumbing	Mon 30-Jun-25	Fri 22-Aug-25	40										New plumbing		
38	Storefronts/lobby/office	Mon 30-Jun-25	Fri 22-Aug-25	40										Storefronts/lol		

		3				
6 39	abatement	Mon 17-Feb-25	Fri 21-Feb-25	5	abatement	
40	Renovations	Mon 30-Jun-25	Fri 22-Aug-25	40		
41	Final Cleaning	Mon 25-Aug-25	Wed 27-Aug-25	3		
42	Substantial completion	Thu 28-Aug-25	Thu 28-Aug-25	1		
43	Walden Elementary	Mon 02-Dec-24	Fri 22-Aug-25	190	Walden Elementary	
44	New Mechanical piping	Mon 02-Dec-24	Fri 22-Aug-25	190	New Mechanical piping	
45	New Electrical infrastructure	Mon 02-Dec-24	Fri 22-Aug-25	190	New Electrical infrastructure	
46	New plumbing Infrastructure	Mon 02-Dec-24	Fri 22-Aug-25	190	New plumbing Infrastructure	
47	Storefronts/lobby/office/concerete	Mon 30-Jun-25	Fri 22-Aug-25	40		
48	Renovations	Mon 30-Jun-25	Fri 22-Aug-25	40		
49	Final Cleaning	Mon 25-Aug-25	Wed 27-Aug-25	3		
50	Substantial completion	Thu 28-Aug-25	Thu 28-Aug-25	1		
51	East Coldenham Elementary	Mon 30-Jun-25	Fri 22-Aug-25	40		
52	New Mechanical	Mon 30-Jun-25	Fri 22-Aug-25	40		
53	New Electrical	Mon 30-Jun-25	Fri 22-Aug-25	40		
54	New plumbing	Mon 30-Jun-25	Fri 22-Aug-25	40		
5 5	Storefronts	Sat 16-Aug-25	Sat 30-Aug-25	10		
6 56	Lobby-Main office	Mon 30-Jun-25	Sat 30-Aug-25	45		
57	Renovations	Mon 30-Jun-25	Fri 22-Aug-25	40		
6 58	abatement	Mon 14-Apr-25	Fri 18-Apr-25	5	at	batement
59	Final Cleaning	Mon 25-Aug-25	Wed 27-Aug-25	3		
60	Substantial completion	Thu 28-Aug-25	Thu 28-Aug-25	1		
61	District office	Mon 30-Jun-25	Fri 22-Aug-25	40		
62	New mechanical/Electric/plumbing	Mon 30-Jun-25	Fri 22-Aug-25	40		
63	Substancial completion	Mon 25-Aug-25	Mon 25-Aug-25	1		
64	<u>Submittals</u>	Mon 02-Dec-24	Fri 24-Jan-25	40	Submittals	
65	Boilers	Mon 02-Dec-24	Fri 27-Dec-24	20	Boilers	
66	Mechanical equipment	Mon 02-Dec-24	Fri 27-Dec-24	20	Mechanical equipment	
67	Storefronts	Mon 16-Dec-24	Fri 10-Jan-25	20	Storefronts	
68	General submittals	Mon 09-Dec-24	Fri 03-Jan-25	20	General submittals	
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SCHEDULE OF HVAC EQUIPMENT

VALLEY CENTRAL SCHOOL DISTRICT ALL BUILDINGS

PROVIDED FOR REFERENCE ONLY

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Trane Equipment Proposal



BEREA ELEMENTARY SCHOOL

Local Trane Office:

Trane U.S. Inc. 301 Old Niskayuna Road, Suite 1 Latham, NY 12110

Local Trane Representative:

Lauren Hayes Account Manager Cell: (518) 410-9375

SCHEDULE OF EQUIPMENT:

BEREA ELEMENTARY SCHOOL

Tag Data - Energy Recovery Ventilator (Qty: 1)

ltem	Tag(s)	Qty	
A1	ERV-1	1	

Product Data - Energy Recovery Ventilator

Item: A1 Qty: 1 Tag(s): ERV-1 Outdoor Unit 120V / 1 Phase / 60 HZ Advanced EC Direct Drive Motorized Impeller Supply Fan Advanced EC Direct Drive Motorized Impeller Exhaust Fan Motorized Dampers Both Airstreams Terminal Strip for EC Motors Enhance Controls with BACnet Non-Fused Disconnect Transformer with Isolation Relay 24" Insulated Roof Curb (Field Installed)

NOT INCLUDED: All wiring, rigging, controls, thermostats, external vibration isolation

Tag Data - Heating Coils (Qty: 1)

Item	Tag(s)	Qty	Description	Model Number	
B1	HWC-1	1	Heating coil (HTCL)	D5WB12012G0AA142EABA00A	
Developed Deda - Headland Online					

Product Data - Heating Coils Item: B1 Qty: 1 Tag(s): HWC-1

Heating coil Galvanized steel casing (Std) Aluminum fins Prima-flo H (Hi efficient) .020 (0.508 mm) std copper tubes 1st Year Labor Warranty Whole Unit

NOT INCLUDED: All valves, piping, rigging, controls, thermostats, external vibration isolation

Tag Data - VRF Outdoor Unit (Qty: 1)

Item	Tag(s)	Qty	Description	Model Number
C1	HP-1	1	VRF Outdoor Unit (JV_ODU)	TUHYH0723AN41AN

Product Data - VRF Outdoor Unit

Item: C1 Qty: 1 Tag(s): HP-1 HyperHeat Heat Pump Snow Hoods & Guards (Field Installed) 24" Stand (Field Installed) 1st Year Labor Warranty

Tag Data - VRF Indoor Unit (Qty: 7)

Item	Tag(s)	Qty	Description	Model Number
D1	FCU-1, FCU-2, FCU-3,	5	VRF Indoor Unit (JV_IDU)	TPLFYP008FM140B
	FCU-5, FCU-6			
D2	FCU-4, FCU-7	2	VRF Indoor Unit (JV_IDU)	TPLFYP012FM140A

Product Data - VRF Indoor Unit All Units

4-Way Ceiling Cassette Cassette Grille (Field Installed) Wall Controller (Field Installed) 1st Year Labor Warranty

Tag Data - VRF Controls (Qty: 1)

Item	Tag(s)	Qty	Description	Model Number				
E1	VRF Controls	1	VRF Controls (JV_CTRL)	TE-200A				
Product Data - VRF Controls								
Item: E1 Qty: 1 Tag(s): VRF Controls								
Centralized Controller (Field Installed)								

LIC-BACNET MASTER

1st Year Labor Warranty

VRF NOT INCLUDED: Control integration/wiring, smoke detectors, refrigeration tees, filter boxes, wind baffles, hail/snow guards, secondary drain pans, secondary condensate overflow sensors, external condensate pumps (unless otherwise noted), disconnects, refrigerant piping specialties, hangers, refrigerant piping, insulation, isolation valves, watt-hour meters, tenant billing software, additional refrigerant, roof rails or curbs, condensing unit mounting brackets, humidity sensors, external vibration isolation, rigging/receiving, spare parts, service labor, installation labor, LEV installation, LEV sensor installation, extended warranty.

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Trane Equipment Proposal



EAST COLDENHAM ELEMENTARY SCHOOL

Local Trane Office:

Trane U.S. Inc. 301 Old Niskayuna Road, Suite 1 Latham, NY 12110

Local Trane Representative:

Lauren Hayes Account Manager Cell: (518) 410-9375

SCHEDULE OF EQUIPMENT:

EAST COLDENHAM ELEMENTARY SCHOOL

Tag Data - Cabinet Unit Heaters (Qty: 2)

Tug Du								
Item	Tag(s)	Qty	Description	Model Number				
A1	CUH-1	2	Unit Cabinet Heater (Force-Flo) (FORCFLO	FFEB030				
Produc	Product Data - Cabinet Unit Heaters							
Item: A1 Qty: 2 Tag(s): CUH-1								
	Force-Flo cabinet heater							
	Horizontal rec	essed						
	115v/60hz/1p	h						
	With piping, left hand connection							
	Bottom stamp	ed lou	iver return					
	Bottom stamp	ed lou	iver supply					
	Hot water coil							
	With disconne	ect swi	tch					
	1" throwaway	filter						
	Symbio 400-E	3						
	Deluxe piping package							
	2-Way, modul	ating	control valve					
	1st Year Labo	or War	ranty					
			•					

NOT INCLUDED: All valves, piping, rigging, controls, thermostats, startup or owner training

Trane Equipment Proposal



MONTGOMERY ELEMENTARY SCHOOL

Local Trane Office: Trane U.S. Inc. 301 Old Niskayuna Road, Suite 1 Latham, NY 12110

Local Trane Representative: Lauren Hayes Account Manager Cell: (518) 410-9375

SCHEDULE OF EQUIPMENT:

MONTGOMERY ELEMENTARY SCHOOL

Tag Data - Ductless Split (M Series) (Qty: 2)

Item	Tag(s)	Qty	Description	Model Number
A1	HP-1	1	Ductless Split (M Series) (JV_M)	NTXSKH18A112AA
A2	FCU-1	1	Ductless Split (M Series) (JV_M)	TPEADA0181AA80A

Product Data - Ductless Split (M Series) All Units

1st Year Labor Warranty Factory Startup

Item: A1 Qty: 1 Tag(s): HP-1

HyperHeat Heat Pump 12" Stand (Field Installed)

Item: A2 Qty: 1 Tag(s): FCU-1

Ceiling Ducted Wall Controller (Field Installed) BACnet and Modbus Interface (Field Installed)

NOT INCLUDED: Control integration/wiring, smoke detectors, refrigeration tees, filter boxes, wind baffles, hail/snow guards, secondary drain pans, secondary condensate overflow sensors, external condensate pumps (unless otherwise noted), disconnects, refrigerant piping specialties, hangers, refrigerant piping, insulation, isolation valves, watt-hour meters, tenant billing software, additional refrigerant, roof rails or curbs, condensing unit mounting brackets, humidity sensors, external vibration isolation, rigging/receiving, spare parts, service labor, installation labor, LEV installation, LEV sensor installation, extended warranty.

Trane Equipment Proposal



MAYBROOK ALT. LEARNING CENTER

Local Trane Office:

Trane U.S. Inc. 301 Old Niskayuna Road, Suite 1 Latham, NY 12110

Local Trane Representative:

Lauren Hayes Account Manager Cell: (518) 410-9375

SCHEDULE OF EQUIPMENT:

MAYBROOK ALT. LEARNING CENTER

Tag Data - Ductless Split (M Series) (Qty: 2)

Item	Tag(s)	Qty	Description	Model Number
A1	HP-1	1	Ductless Split (M Series) (JV_M)	NTXSKH30A112AA
A2	FCU-1	1	Ductless Split (M Series) (JV_M)	TPEADA0301AA80A

Product Data - Ductless Split (M Series) All Units

> 1st Year Labor Warranty Factory Startup

Item: A1 Qty: 1 Tag(s): HP-1

HyperHeat Heat Pump Wall Bracket (Field Installed) (Qty 2) Wind Baffles (Field Installed)

Item: A2 Qty: 1 Tag(s): FCU-1

Ceiling Ducted Wall Controller (Field Installed) BACnet and Modbus Interface (Field Installed)

NOT INCLUDED: Control integration/wiring, smoke detectors, refrigeration tees, filter boxes, wind baffles, hail/snow guards, secondary drain pans, secondary condensate overflow sensors, external condensate pumps (unless otherwise noted), disconnects, refrigerant piping specialties, hangers, refrigerant piping, insulation, isolation valves, watt-hour meters, tenant billing software, additional refrigerant, roof rails or curbs, condensing unit mounting brackets, humidity sensors, external vibration isolation, rigging/receiving, spare parts, service labor, installation labor, LEV installation, LEV sensor installation, extended warranty.

Trane Equipment Proposal



VALLEY CENTRAL HIGH SCHOOL

Local Trane Office:

Trane U.S. Inc. 301 Old Niskayuna Road, Suite 1 Latham, NY 12110

Local Trane Representative:

Lauren Hayes Account Manager Cell: (518) 410-9375

SCHEDULE OF EQUIPMENT:

VALLEY CENTRAL HIGH SCHOOL

Tag Data - IntelliCore 20-120T Air-Cooled Cond (Qty: 1)

Tug Do								
Item	Tag(s)		Description	Model Number				
A1	CH-1	1	IntelliCore 20-120T Air-Cooled Cond (RAS	RAUKD10				
			20-120T Air-Cooled Cond					
Item: A	1 Qty: 1 Tag	(s): Cl	H-1					
	Remote Cond	enser						
	Air-Cooled							
	R-454B Refrig	jerant						
	100 Tons							
	200/60/3							
	EVP Control							
	100 ton Chille	r BPH	E accessory (Field Installed)					
	0°F (Low Amb	oient C	Option)					
	cULus (60 Hz	only)						
	Non-Fused Di	sconn	ect Switch (Standard SCCR)					
	Suction Service	e Val	ve					
	Remote Chiller Evaporator and Install Kit (Field Installed)							
	Spring Isolator (Field Installed)							
	Powered 15A Convenience Outlet							
	Controller with BACnet							

NOT INCLUDED: All valves, piping, rigging, refrigerant or refrigeration specialties

Item	Tag(s)	Qty	Description	Model Number		
B1	UV-91	1	VUVE Unit Ventilator (UV)	VUVE125		
B2	UV-112	1	VUVE Unit Ventilator (UV)	VUVE125		
B3	UV-130	1	VUVE Unit Ventilator (UV)	VUVE125		
B4	UV-131	1	VUVE Unit Ventilator (UV)	VUVE125		
B5	UV-132	1	VUVE Unit Ventilator (UV)	VUVE125		
B6	UV-133	1	VUVE Unit Ventilator (UV)	VUVE125		
B7	UV-134A	1	VUVE Unit Ventilator (UV)	VUVE075		
B8	UV-134B	1	VUVE Unit Ventilator (UV)	VUVE075		
B9	UV-135	1	VUVE Unit Ventilator (UV)	VUVE125		
B10	UV-136	1	VUVE Unit Ventilator (UV)	VUVE125		
B11	UV-137	1	VUVE Unit Ventilator (UV)	VUVE125		
B12	UV-138	1	VUVE Unit Ventilator (UV)	VUVE125		
B13	UV-139A	1	VUVE Unit Ventilator (UV)	VUVE075		
B14	UV-139B	1	VUVE Unit Ventilator (UV)	VUVE075		
B15	UV-140A	1	VUVE Unit Ventilator (UV)	VUVE075		
B16	UV-140B	1	VUVE Unit Ventilator (UV)	VUVE075		
B17	UV-141A	1	VUVE Unit Ventilator (UV)	VUVE075		

Tag Data - VUVE Unit Ventilator (UV) (Qty: 24)

B18	UV-141B	1	VUVE Unit Ventilator (UV)	VUVE075
B19	UV-142A	1	VUVE Unit Ventilator (UV)	VUVE075
B20	UV-142B	1	VUVE Unit Ventilator (UV)	VUVE075
B21	UV-143	1	VUVE Unit Ventilator (UV)	VUVE125
B22	UV-144	1	VUVE Unit Ventilator (UV)	VUVE125
B23	UV-145	1	VUVE Unit Ventilator (UV)	VUVE125
B24	UV-146	1	VUVE Unit Ventilator (UV)	VUVE125

Product Data - VUVE Unit Ventilator (UV)

All Units

Vertical unit ventilator 115v/60hz/1ph Dynamic air barrier 4 pipe preheat with right hand cooling and left hand heating ECM Toggle switch Discharge grille with wire mesh Symbio 400-B Zone sensor (Field Installed) Outside air damper actuator Deluxe piping package 2-Way, modulating heating valve 2-Way, modulating cooling valve 21.25" depth with full sheetmetal back 21.25" deep end covers Insulated front panel Auxiliary drain pan 1" MERV 13 filter 1st year labor warranty whole unit

NOT INCLUDED: All valves, piping, rigging, controls, face and bypass, thermostats, external vibration isolation, factory startup or owner training

Tag Data - Horizontal Unit Ventilators (Qty: 2)

Item	Tag(s)	Qty	Description	Model Number
C1	UV-158	1	Horizontal Unit Ventilator (HUVA)	HUVC150
C2	UV-159	1	Horizontal Unit Ventilator (HUVA)	HUVC150

Product Data - Horizontal Unit Ventilators All Units Horizontal unit ventilator 120 volt/60 hertz/1 phase power supply DE-two coil 4 pipe chilled water/hot water preheat Symbio 400-B Zone sensor (Field Installed) Outside air damper actuator Deluxe piping package 2-Way, modulating heating valve 2-Way, modulating cooling valve Unit mounted variable speed control Fresh air ducted top, return air ducted lower back Duct collar discharge 3/4" [19mm] to top Standard access panel with safety chain 1" MERV 13 filter Non fused toggle

1st year labor warranty whole unit

NOT INCLUDED: All valves, piping, rigging, controls, face and bypass, thermostats, external vibration isolation, factory startup or owner training

Tag Data - Cabinet Unit Heaters (Qty: 2)

Item	Tag(s)	Qty	Description	Model Number
D1	CUH-1	2	Unit Cabinet Heater (Force-Flo) (FORCFLO	FFEB030

Product Data - Cabinet Unit Heaters

Item: D1 Qty: 2 Tag(s): CUH-1 Force-Flo cabinet heater Horizontal recessed 115v/60hz/1ph With piping, left hand connection Bottom stamped louver return Bottom stamped louver supply Hot water coil Manual air vent With disconnect switch 1" throwaway filter Symbio 400-B Deluxe piping package 2-Way, modulating control valve 1st Year Labor Warranty

NOT INCLUDED: All valves, piping, rigging, controls, thermostats, external vibration isolation, factory startup or owner training

Tag Data - Ductless Split (M Series) (Qty: 2)

Item	Tag(s)	Qty	Description	Model Number
E1	HP-1	1	Ductless Split (M Series) (JV_M)	NTXSKH09A112AA
E2	FCU-1	1	Ductless Split (M Series) (JV_M)	NTXCKS09A112AA

Product Data - Ductless Split (M Series)

All Units

1st Year Labor Warranty Factory Startup

Item: A1 Qty: 1 Tag(s): HP-1

HyperHeat Heat Pump Wall Bracket (Field Installed)

Item: A2 Qty: 1 Tag(s): FCU-1

Ceiling Cassette Wall Controller (Field Installed) BACnet and Modbus Interface (Field Installed)

NOT INCLUDED: Control integration/wiring, smoke detectors, refrigeration tees, filter boxes, wind baffles, hail/snow guards, secondary drain pans, secondary condensate overflow sensors, external condensate pumps (unless otherwise noted), disconnects, refrigerant piping specialties, hangers, refrigerant piping, insulation, isolation valves, watt-hour meters, tenant billing software, additional refrigerant, roof rails or curbs, condensing unit mounting brackets, humidity sensors, external vibration isolation, rigging/receiving, spare parts, service labor, installation labor, LEV installation, LEV sensor installation, extended warranty.

Trane Equipment Proposal



VALLEY CENTRAL MIDDLE SCHOOL

Local Trane Office:

Trane U.S. Inc. 301 Old Niskayuna Road, Suite 1 Latham, NY 12110

Local Trane Representative:

Lauren Hayes Account Manager Cell: (518) 410-9375

SCHEDULE OF EQUIPMENT:

VALLEY CENTRAL MIDDLE SCHOOL

Tag Data - Cabinet Unit Heaters (Qty: 2)

Tay Data - Cabinet Onit neaters (Qty. 2)							
Item	Tag(s)	Qty	Description	Model Number			
A1	CUH-1	2	Unit Cabinet Heater (Force-Flo) (FORCFLO	FFEB030			
Produc	t Data - Cabin	let Un	it Heaters				
Item: A	1 Qty: 2 Tag	(s): Cl	UH-1				
	Force-Flo cab	inet he	eater				
	Horizontal rec	essed					
	115v/60hz/1pl	h					
	With piping, le	eft han	d connection				
	Bottom stamp	ed lou	ver return				
	Bottom stamp	ed lou	ver supply				
	Hot water coil						
	With disconne	ect swi	tch				
	1" throwaway	filter					
	Symbio 400-B						
	Deluxe piping package						
	2-Way, modul	ating o	control valve				
	1st Year Labo	r Warı	ranty				

NOT INCLUDED: All valves, piping, rigging, controls, thermostats, startup or owner training

Tag Da	Tag Data - Ductless Split (M Series) (Qty: 2)					
ltem	Tag(s)	Qty	Description	Model Number		
B1	HP-1	1	Ductless Split (M Series) (JV_M)	NTXSKH09A112AA		
B2	FCU-1	1	Ductless Split (M Series) (JV_M)	NTXCKS09A112AA		
	Product Data - Ductless Split (M Series) All Units					

1st Year Labor Warranty Factory Startup

Item: A1 Qty: 1 Tag(s): HP-1

HyperHeat Heat Pump

Wall Bracket (Field Installed)

Item: A2 Qty: 1 Tag(s): FCU-1 Ceiling Cassette Wall Controller (Field Installed) BACnet and Modbus Interface (Field Installed)

NOT INCLUDED: Control integration/wiring, smoke detectors, refrigeration tees, filter boxes, wind baffles, hail/snow guards, secondary drain pans, secondary condensate overflow sensors, external condensate pumps (unless otherwise noted), disconnects, refrigerant piping specialties, hangers, refrigerant piping, insulation, isolation valves, watt-hour meters, tenant billing software, additional refrigerant, roof rails or curbs, condensing unit mounting brackets, humidity sensors, external vibration isolation, rigging/receiving, spare parts, service labor, installation labor, LEV installation, LEV sensor installation, extended warranty.

Trane **Equipment Proposal**

<section-header><section-header><section-header><section-header><section-header><section-header><section-header> WALDEN



ALT GAC-1-01-001 ALT MPC-1-02-001 ALT EC-03-001

SCHEDULE OF EQUIPMENT:

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WALDEN ELEMENTARY SCHOOL Tag Data - VUVE Unit Ventilator (UV) (Qty: 1) Item | Tag(s) Qty Description Model Number 1 Horizontal Unit Ventilator (HUVA) A1 UV-24 HUVC125 Product Data - VUVE Unit Ventilator (UV) Item: A1 Qty: 1 Tag(s): UV-24 Horizontal unit ventilator 120 volt/60 hertz/1 phase power supply H1-2 pipe hot water heat Symbio 400-B Zone sensor (Field Installed) Outside air damper actuator Face and bypass damper actuator Deluxe piping package 2-Way, 2 position heating valve Unit mounted variable speed control Fresh air ducted top, return air ducted lower back Duct collar discharge 3/4" [19mm] to top Standard access panel with safety chain 1" MERV 13 filter Non fused toggle 1st year labor warranty whole unit NOT INCLUDED: All valves, piping, rigging, controls, thermostats, external vibration isolation, factory startup or owner training Tag Data - Ductless Split (M Series) (Qty: 2) **Qty** Description **Model Number** Item Tag(s) 1 Ductless Split (M Series) (JV M) NTXSKH30A112AA B1 HP-1

 B1
 HP-1
 1
 Ductless Split (M Series) (JV_M)
 NTXSKH30A112AA

 B2
 FCU-1
 1
 Ductless Split (M Series) (JV_M)
 TPEADA0301AA80A

 Broduct Data - Ductless Split (M Series)
 Ductless Split (M Series)
 Ductless Split (M Series)

Product Data - Ductless Split (M Series) All Units

> 1st Year Labor Warranty Factory Startup

Item: A1 Qty: 1 Tag(s): HP-1

HyperHeat Heat Pump Wall Bracket (Field Installed) (Qty 2) Wind Baffles (Field Installed)

Item: A2 Qty: 1 Tag(s): FCU-1

ALT GAC-1-01-001 ALT MPC-1-02-001 ALT EC-03-001

Ceiling Ducted

 Wall Controller (Field Installed)

BACnet and Modbus Interface (Field Installed)

NOT INCLUDED: Control integration/wiring, smoke detectors, refrigeration tees, filter boxes, wind baffles, hail/snow guards, secondary drain pans, secondary condensate overflow sensors, external condensate pumps (unless otherwise noted), disconnects, refrigerant piping specialties, hangers, refrigerant piping, insulation, isolation valves, watt-hour meters, tenant billing software, additional refrigerant, roof rails or curbs, condensing unit mounting brackets, humidity sensors, external vibration isolation, rigging/receiving, spare parts, service labor, installation labor, LEV installation, LEV sensor installation, extended warranty.

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Trane Equipment Proposal



ADMINISTRATION BUILDING

Local Trane Office:

Trane U.S. Inc. 301 Old Niskayuna Road, Suite 1 Latham, NY 12110

Local Trane Representative: Lauren Hayes

Account Manager Cell: (518) 410-9375

SCHEDULE OF EQUIPMENT:

ADMINISTRATION BUILDING

Tag Data - Split System Air Conditioning Units (Small) (Qty: 5)

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Item	Tag(s)	Qty	Description	Model Number					
A1	GF-1,CU-1	1	2.5 Ton Unitary Split Systems (SSC)	4TTR5030N1*S9V2B080D4PSC4*TXCB003DS3					
A2	GF-2,CU-2	1	3 Ton Unitary Split Systems (SSC)	4TTR5036N1*S9V2C080U5PSC*4TXCC009DS3					
A3	GF-3,CU-3	1	3.5 Ton Unitary Split Systems (SSC)	4TTR5042N1*S9V2C100D4VSB*4PXCCD42BS3					
A4	GF-4,CU-4	1	4 Ton Unitary Split Systems (SSC)	4TTR6048N1*S9V2D120U5VSB*4PXCDU60BS3					
A5	GF-5,CU-5	1	4 Ton Unitary Split Systems (SSC)	4TTR6048N1*S9V2C100D5PSC*4PXCCD60BS3					

Product Data - Split System Air Conditioning Units (Small) All Units

> 200 - 230 Volt 1 Phase 60 Hertz Standard 24 Volt Hi efficiency TXV-Non bleed 1st Year labor warranty Factory Startup

Item: A1 Qty: 1 Tag(s): GF-1,CU-1

1.5-5 (R)Ton split sys clg R410a 15 SEER
2.5 Ton Nominal Cooling Capacity
90%+ Eff, 2 Stg, Var. speed, 17.5" Wide Furnace
80,000 Heating input BTUH
Downflow
4 Ton Capacity
Permanent split capacitor Two Speed
Cased coil upflow/dnflow/horiz left
30,000 Nominal cooling capacity

Item: A2 Qty: 1 Tag(s): GF-2,CU-2

1.5-5 (R)Ton split sys clg R410a 15 SEER 3 Ton Nominal Cooling Capacity
90%+ Eff, 2 Stg, Var. speed, 21" Wide Furnace 80,000 Heating input BTUH 3-Way (upflow, Horiz Right, Horiz Left) 5 Ton Capacity Permanent split capacitor Two Speed
Cased coil upflow/dnflow/horiz left 60,000 Nominal cooling capacity

Item: A3 Qty: 1 Tag(s): GF-3,CU-3

1.5-5 (R)Ton split sys clg R410a 15 SEER 3.5 Ton Nominal Cooling Capacity 90%+ Eff, 2 Stg, Var. speed, 21" Wide 100,000 Heating input BTUH Downflow 4 Ton Capacity Variable Speed Aluminum Cased Coil 42,000 Nominal cooling capacity

Item: A4 Qty: 1 Tag(s): GF-4,CU-4

Split System Cooling Outdoor Unit 4 Ton Nominal Cooling Capacity 90%+ Eff, 2 Stg, Var. speed, 24.5" Wide 120,000 Heating input BTUH 3-Way (upflow, Horiz Right, Horiz Left) 5 Ton Capacity Variable Speed Aluminum Cased Coil 60,000 Nominal cooling capacity

Item: A5 Qty: 1 Tag(s): GF-5,CU-5

Split System Cooling Outdoor Unit 4 Ton Nominal Cooling Capacity 90%+ Eff, 2 Stg, Var. speed, 21" Wide 100,000 Heating input BTUH Downflow 5 Ton Capacity Permanent split capacitor Two Speed Aluminum Cased Coil 60,000 Nominal cooling capacity

NOT INCLUDED: All valves, piping, rigging, controls, thermostats, disconnects, refrigerant or refrigeration specialties, external vibration isolation

SCHEDULE OF HVAC CONTROLS

VALLEY CENTRAL SCHOOL DISTRICT ALL BUILDINGS

PROVIDED FOR REFERENCE ONLY

Trane Controls Proposal



EAST COLDENHAM ELEMENTARY SCHOOL

Local Trane Office:

Trane U.S. Inc. 301 Old Niskayuna Road, Suite 1 Latham, NY 12110

Local Trane Representative: Lauren Hayes Account Manager Cell: (518) 410-9375

SCHEDULE OF CONTROLS:

EAST COLDENHAM ELEMENTARY SCHOOL

Scope of Work

"Scope of Work" and notations within are based on the following negotiated scope of work with Valley Central School district and drawings provided by CSARCH and Blake engineering dated 10/18/24. The below scope includes controls for the equipment listed below a new Trane Tracer SC will be installed for visibility of these two units and for the future controls work at the site

Scope of work

- Provide and install (1) Tracer® SC building automation platform.
 - A small wireless network will be installed with 1 wireless coordinator
 - o Future projects will build off this existing infrastructure

The following equipment listed below will be tied to the existing trane tracer system at the school building.

- (2) Trane Cabinet unit heaters with factory provided controls
- Sensors installed in field by Trane
 - Freeze stat
 - Wall stat
- Field installation by bidding Mechanical contractor of the following devices
 - Control Valve
- Please note the Equipment proposal for addition mechanical field installed accessories

Control System Services Included

- Project Management
- Engineered Controls Submittals and As-Built Drawings
- System Programming, Graphics, and Start-up
- 1st Year Parts and Labor Warranty

Services Not Included

- LEED, or 3rd Party Commissioning, or Test and Balance assistance/support or HVAC equipment startup.
- Trenching/backfilling, roof penetrations/sealant, underground conduit provisions, cutting, patching, painting, access doors, or demolition of any kind.
- Repair or replacement of any equipment being controlled.
- Ethernet drop and IP address.
- Any temporary controls.

Control System Devices Provided by Trane, Installed by Others

• Any Control Valves, Dampers, Air or Water Wells/Taps provided by Trane are to be installed by others.

Control System Clarifications and/or Exclusions

- Trane's proposal is based on plans and specifications or Request for Pricing dated 10/18/2024
- Equipment order release and services rendered are dependent upon receipt of PO/Subcontract and credit approval.
- The owner shall maintain a safe working environment for Trane employees and/or subcontractors.
- Existing control power circuits/wiring and/or sensor wiring that meet code and control requirements may be reused.
- Allowances for Liquidated or Consequential Damages of any kind are not included (per Trane Terms and Conditions).
- Permits, Bonds, Fees, Demurrage or Storage Charges are not included.

Provided and/or Installed by Others

- Line Voltage power circuit(s)/junction(s) for DDC/Control Panel(s) and/or Device(s) are provided by others.
- Provision/Installation/Commissioning of any Fire Alarm Systems, Fireman's Override Panel(s), Smoke Control System (and/or Smoke Detectors), Fire/Smoke or Smoke Damper/Actuators, Fire Dampers, Lighting Control Panels, Refrigerant Detection Systems, Security and Access Systems, Heat Trace, Water/Gas/Utility Metering, or any control scope of work which is not listed above, is not included/provided.
- Provision/Installation/Commissioning of any standalone Automatic Temperature Control (ATC) thermostat type control, hardwired interlock control, repair/replacement of existing control/pneumatic system devices/panels, Thermostat Guards/Covers, or any control scope of work which is not listed above, is not included/provided.
- Provision/Installation/Commissioning of any motor starters and/or variable frequency drives are not included.
- Site ethernet connectivity shall be provided by the owner to ensure all necessary network conditions and requirements to ensure integrity of the customer's network and security. This connection process is provided to ensure proper integration with the customer's network infrastructure. Trane will require an IP address from the customer's IT department for each Trane Facility Infrastructure network device installed on the customer's network. Trane will provide the customer with a Mac address for each network device needed.
- To ensure proactive service and facility issue resolutions, Trane requests VPN access to the facility infrastructure systems specifically associated with the systems being monitored and/or controlled by Trane's automation/monitoring system to provide support from our local and/or national Trane Intelligent Services staff.

Trane Controls Proposal



VALLEY CENTRAL HIGH SCHOOL

Local Trane Office:

Trane U.S. Inc. 301 Old Niskayuna Road, Suite 1 Latham, NY 12110

Local Trane Representative: Lauren Hayes Account Manager Cell: (518) 410-9375

SCHEDULE OF CONTROLS:

VALLEY CENTRAL HIGH SCHOOL

Scope of Work

"Scope of Work" and notations within are based on the following negotiated scope of work with Valley Central School district and drawings provided by CSARCH and Blake engineering dated 10/18/24. The below scope includes controls for the equipment listed below a new Trane Tracer SC will be installed

Scope of work

- Provide and Install a trane enterprise server
- Provide and install (2) Tracer® SC building automation platform. One will be located in boiler room and one in the new unit ventilator wing
 - A wireless network will be installed in the new UV wing of the building
 - The security vestibule will be tied into the existing Trane controls system on that end of the High School
 - o Future projects will build off this existing infrastructure

The following equipment listed below will be tied to the existing trane tracer system at the school building.

- (2) Trane Cabinet unit heaters with factory provided controls
 - Sensors installed in field by Trane
 - Freeze stat
 - Wall stat
 - Field installation by bidding Mechanical contractor of the following devices
 Control Valve
 - Please note the Equipment proposal for addition mechanical field installed accessories
 - (1) Trane Split System
 - Sensors installed by Trane
 - Wall thermostat
 - Low voltage communication interlock
 - High Voltage interlock provided by bidding Electrical contractor
- (5) Fintube radiation
 - Sensors installed by Trane
 - Trane UC600 and WCI
 - Trane control valve actuator
 - Wall Sensor
 - Field installation by bidding Mechanical contractor of the following devices
 - Control Valve
 - (27) New Trane Unit Ventilators with factory provided controls
 - Sensors installed by Trane
 - Trane UC600 and WCI
 - Trane control valve actuator
 - Wall Sensor

- Discharge air sensor
- 24 UVs are interlocked to exhaust fans High voltage interlock by bidding electrical contractor
- Field installation by bidding Mechanical contractor of the following devices
 - Control Valve Typ. 2 per UV
 - Please note the Equipment proposal for addition mechanical field installed accessories
- (16) Existing Cabinet Unit heater
- Sensors installed by Trane
 - Trane UC600 and WCI
 - Trane control valve actuator
 - Current sensor
 - relay
 - Wall Sensor
- Field installation by bidding Mechanical contractor of the following devices
 Control Valve
- Exhaust fans (24 tied to UVs / 6 New Exhaust fans) with the following controls.
 - o Start/Stop
 - o Status
 - o Speed
 - On/Off actuator
- (5) Existing Unit ventilors with the following field installed controls
 - Uc600 and WCI
 - 2 controls actuators
 - Damper actuator
 - Start/Stop Status Supply fan
 - Discharge Air temperature
 - Freeze stat
 - Field installation by bidding Mechanical contractor of the following devices
 - Control Valve Typ. 2
 - Damper actuator linkage and new dampers where required Provided and installed by bidding mechanical contractors
- (4) Existing fan coil Unit
 - Sensors installed by Trane
 - Trane UC600 and WCI
 - Trane control valve actuator
 - Current sensor
 - relay
 - Wall Sensor
 - Field installation by bidding Mechanical contractor of the following devices
 Control Valve Typ. 2
- Boiler plant
 - o UC600 With Expansion module hard wired to SC controller in room
 - (6)Boiler supply water pressure and return water pressure
 - (6)Boiler control valve
 - (6)Supply and return water temperature
 - (2) Header supply and return water temperature
 - (2)Differential pressure sensor
 - (2) Flow meter
 - (9) Boiler start / Stop status
 - (12) Pump start / stop , Speed Fault
 - Domestic HW heat exchanger
 - (2) Pump start / stop, Speed Fault
 - Control valve actuator (Valve provided by mechanical contractor)
 - 2 Well sensors (Wells tap installed by mechanical contractor)
 - CO sensor
 - Combustion air damper actuator
 - Gas detection system
 - Boilers each come with HW control Valve and Pump . Each one of these tied to boiler controller Trane will provide low voltage wiring. Valve and pump to be provided by boiler manufacturer and installation by bidding mechanical contractor

- Bidding mechanical contractor responsible for well taps ,control valve installation and combustion damper installation and material.
- Chiller Plant Controls
 - o Chiller comes with factory controllers the following will be installed in field
 - Outside air temperature sensor
 - 2 Chilled water supply
 - 2 Chilled water return
 - Differential pressure sensors
 - Chiller status
 - (3) Pump start stop and status
 - (3) Pump VFD speed and fault
 - (3) Pump Flow rate
 - Makeup water flow rate
 - Bidding mechanical contractor responsible for well taps ,control valve installation and combustion damper installation and material. VFD PROVIDED BY OTHERS

Control System Services Included

- Project Management
- Engineered Controls Submittals and As-Built Drawings
- System Programming, Graphics, and Start-up
- 1st Year Parts and Labor Warranty

Services Not Included

- LEED, or 3rd Party Commissioning, or Test and Balance assistance/support or HVAC equipment startup.
- Trenching/backfilling, roof penetrations/sealant, underground conduit provisions, cutting, patching, painting, access doors, or demolition of any kind.
- Repair or replacement of any equipment being controlled.
- Ethernet drop and IP address.
- Any temporary controls.

Control System Devices Provided by Trane, Installed by Others

• Any Control Valves, Dampers, Air or Water Wells/Taps provided by Trane are to be installed by others.

Control System Clarifications and/or Exclusions

- Trane's proposal is based on plans and specifications or Request for Pricing dated 10/18/2024
- Equipment order release and services rendered are dependent upon receipt of PO/Subcontract and credit approval.
- The owner shall maintain a safe working environment for Trane employees and/or subcontractors.
- Existing control power circuits/wiring and/or sensor wiring that meet code and control requirements may be reused.
- Allowances for Liquidated or Consequential Damages of any kind are not included (per Trane Terms and Conditions).
- Permits, Bonds, Fees, Demurrage or Storage Charges are not included.

Provided and/or Installed by Others

 Line Voltage power circuit(s)/junction(s) for DDC/Control Panel(s) and/or Device(s) are provided by others.

- Provision/Installation/Commissioning of any Fire Alarm Systems, Fireman's Override Panel(s), Smoke Control System (and/or Smoke Detectors), Fire/Smoke or Smoke Damper/Actuators, Fire Dampers, Lighting Control Panels, Refrigerant Detection Systems, Security and Access Systems, Heat Trace, Water/Gas/Utility Metering, or any control scope of work which is not listed above, is not included/provided.
- Provision/Installation/Commissioning of any standalone Automatic Temperature Control (ATC) thermostat type control, hardwired interlock control, repair/replacement of existing control/pneumatic system devices/panels, Thermostat Guards/Covers, or any control scope of work which is not listed above, is not included/provided.
- Provision/Installation/Commissioning of any motor starters and/or variable frequency drives are not included.
- Site ethernet connectivity shall be provided by the owner to ensure all necessary network conditions and requirements to ensure integrity of the customer's network and security. This connection process is provided to ensure proper integration with the customer's network infrastructure. Trane will require an IP address from the customer's IT department for each Trane Facility Infrastructure network device installed on the customer's network. Trane will provide the customer with a Mac address for each network device needed.
- To ensure proactive service and facility issue resolutions, Trane requests VPN access to the facility infrastructure systems specifically associated with the systems being monitored and/or controlled by Trane's automation/monitoring system to provide support from our local and/or national Trane Intelligent Services staff.





WALDEN ELEMENTARY SCHOOL

Local Trane Office:

Trane U.S. Inc. 301 Old Niskayuna Road, Suite 1 Latham, NY 12110

Local Trane Representative: Lauren Hayes Account Manager Cell: (518) 410-9375

ALT GAC-1-01-001 ALT MPC-1-02-001 ALT EC-03-001

SCHEDULE OF CONTROLS:

WALDEN ELEMENTARY SCHOOL

Scope of Work

"Scope of Work" and notations within are based on the following negotiated scope of work with Valley Central School district and drawings provided by CSARCH and Blake engineering dated 10/18/24. The below scope includes controls for the equipment listed below a new Trane Tracer SC will be installed for visibility of these two units and for the future controls work at the site

Scope of work

o Tie new Equipment into existing Trane Tracer system onsite

The following equipment listed below will be tied to the existing trane tracer system at the school building.

- (1) New Trane Unit Ventilators with factory provided controls
- Sensors installed by Trane
 - Trane UC600 and WCI
 - Trane control valve actuator
 - Wall Sensor
 - Discharge air sensor
- Field installation by bidding Mechanical contractor of the following devices
 - Control Valve Typ. 21 per UV
 - Please note the Equipment proposal for addition mechanical field installed accessories

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- (1) New Trane Fan coil unit with associated DX condenser with factory provided controls
 - \circ Sensors installed by Trane
 - Trane UC600 and WCI
 - Trane control valve actuator
 - Wall Sensor
 - Discharge air sensor
 - High voltage interlock by bidding electrical contractor
 - Field installation by bidding Mechanical contractor of the following devices
 - Control Valve Typ. 1 per UV
 - Please note the Equipment proposal for addition mechanical field installed accessories
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Control System Services Included

- Project Management
- Engineered Controls Submittals and As-Built Drawings
- System Programming, Graphics, and Start-up
- 1st Year Parts and Labor Warranty

ALT GAC-1-01-001 ALT MPC-1-02-001 ALT EC-03-001

Services Not Included

• LEED, or 3rd Party Commissioning, or Test and Balance assistance/support or HVAC equipment startup.

- Trenching/backfilling, roof penetrations/sealant, underground conduit provisions, cutting, patching, painting, access doors, or demolition of any kind.
- Repair or replacement of any equipment being controlled.
- Ethernet drop and IP address.
- Any temporary controls.

Control System Devices Provided by Trane, Installed by Others

• Any Control Valves, Dampers, Air or Water Wells/Taps provided by Trane are to be installed by others.

Control System Clarifications and/or Exclusions

- Trane's proposal is based on plans and specifications or Request for Pricing dated 10/18/2024
- Equipment order release and services rendered are dependent upon receipt of PO/Subcontract and credit approval.
- The owner shall maintain a safe working environment for Trane employees and/or subcontractors.
- Existing control power circuits/wiring and/or sensor wiring that meet code and control requirements may be reused.
- Allowances for Liquidated or Consequential Damages of any kind are not included (per Trane Terms and Conditions).
- Permits, Bonds, Fees, Demurrage or Storage Charges are not included.

Provided and/or Installed by Others

- Line Voltage power circuit(s)/junction(s) for DDC/Control Panel(s) and/or Device(s) are provided by others.
- Provision/Installation/Commissioning of any Fire Alarm Systems, Fireman's Override Panel(s), Smoke Control System (and/or Smoke Detectors), Fire/Smoke or Smoke Damper/Actuators, Fire Dampers, Lighting Control Panels, Refrigerant Detection Systems, Security and Access Systems, Heat Trace, Water/Gas/Utility Metering, or any control scope of work which is not listed above, is not included/provided.
- Provision/Installation/Commissioning of any standalone Automatic Temperature Control (ATC) thermostat type control, hardwired interlock control, repair/replacement of existing control/pneumatic system devices/panels, Thermostat Guards/Covers, or any control scope of work which is not listed above, is not included/provided.
- Provision/Installation/Commissioning of any motor starters and/or variable frequency drives are not included.
- Site ethernet connectivity shall be provided by the owner to ensure all necessary network conditions and requirements to ensure integrity of the customer's network and security. This connection process is provided to ensure proper integration with the customer's network infrastructure. Trane will require an IP address from the customer's IT department for each Trane Facility Infrastructure network device installed on the customer's network. Trane will provide the customer with a Mac address for each network device needed.
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SECTION 011200 - SUMMARY - MULTIPLE PRIMES

PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including the General and Supplemental Conditions and Division 1 Specification Section, apply to this Section.

1.2 SUMMARY

- A. Section includes:
 - 1. Project information.
 - 2. Work covered by Contract Documents.
 - 3. Construction schedule.
 - 4. Requirements and assignments for each Contract.
 - 5. Owner-furnished products.
 - 6. Access to GC.
 - 7. Coordination with occupants.
 - 8. Work restrictions.
- B. The section includes a summary of each contract, including responsibilities for coordination and temporary facilities and controls.
- C. Each Contractor is responsible for reviewing all Drawings and Specifications for every contract to gain a complete understanding and knowledge of the entire Project, to determine how the work of each contract is to interface with every other contract.

1.3 DEFINITIONS

- A. Project Identification: Project consists of all labor, materials, equipment, appliances, services, and incidentals necessary for layout, installing, and performing Additions and Alterations at the Valley Central School District as shown on the Contract Drawings and described in the Specifications.
- B. Work starts 2024 and ends summer of 2025. See schedule for more accurate dates.
- C. C. The work will be constructed under multiple prime contracts. One set of contract documents is issued covering multiple contracts. Each Prime Contract is defined as:
 - CONTRACT 1 GAC-1-01 GENERAL CONSTRUCTION WORK Abatement/GC/roofing/ work will be covered in the General Construction Scope and contract.

CSArch Project No. 187-2302.01

- 2. CONTRACT 2 MPC-1-02 MECHANICAL AND PLUMBING CONSTRUCTION WORK
- 3. CONTRACT 3 EC-1-03 ELECTRICAL CONSTRUCTION WORK

PART 2 A 6-DAY WORK WEEK IS REQUIRED ON THIS PROJECT WITH HOURS FROM 7AM-3:30PM SCHEDULE AND OR DIRECTED BY THE CONSTRUCTION MANAGER. THERE IS A NIGHT SHIFT AS PER THE SCHEDULE AND PHASING PLANS.

- 2.1 Architect Identification: The Contract Documents were prepared for the Project by CS ARCH ARCHITECTS
 - A. Construction Manager: The Palombo Group has been engaged as Construction Manager for this Project to serve as an advisor to Owner and to aid in administering the Contract for Construction between Owner and Contractor, according to a separate contract between Owner and Construction Manager.
 - B. Comply with the following: Current New York State Building Code and the building standards of the New York State Education Department.

2.2 THE CONTRACT

- A. The Project will be constructed under a multiple prime contracting arrangement with the Owner awarding and holding separate Contracts. Each contractor shall furnish all labor, bonds, insurance, material, tools, rigging, equipment, supervision, layout, delivery, trucking, shop drawings, submittals, coordination, etc. necessary to complete the work described in the Divisions of Work of their respective contracts (Including where coordination between primes occurs) and based upon a complete set of Contract Documents.
- B. Each Contractor has been given the opportunity prior to bidding to inspect the entire Project for references to their Contract work and agrees to accept as it exists on the date of the bid opening.
 - 1. It is the Owner's intention to continue to occupy the existing buildings for normal School operations during the Construction process. The Contractors all agree to:
 - 2. Cooperate with the Owner's personnel in maintaining and facilitating access to the school buildings and its facilities by the school staff, Students, Owner's agents, service consultants and the public, throughout the construction process.
 - 3. Keep driveways and entrances serving the occupied School buildings clear and available to the Owner, the Owner's employees, the public, and to emergency vehicles always. Do not obstruct access to, or use these areas for parking, staging of equipment or materials. All access through these existing areas must be coordinated in advance and in accordance with the Owner's usage and occupancy schedule.

CSArch Project No. 187-2302.01

- 4. Schedule construction operations to minimize any conflicts or interruptions to the daily school functions. Coordinate any necessary interruptions with the designated project representative.
- 5. All existing Owner-occupied areas of buildings (not turned over to the Project Contractors) need to always remain operational. The contractors are responsible for maintaining all systems, such as but not limited to: fire alarm, clocks, electric, public address system, gas service, heat, security, data, etc.
- 6. Each Contractor shall provide a list of employees, which MUST be cleared by district through the raptor system and updated accordingly prior to any access to the properties.
- 7. Each contractor will provide sign in sheets of their respective manpower to the CM Daily.
- 8. Safety Meetings are required weekly with the sign in sheet being delivered to the CM Representative promptly.
- C. Each Prime Contractor shall:
 - 1. Provide field-engineering services, in addition to those provided by the General Work Prime Contract, to install utilities included in the applicable Prime Contract.
 - 2. Coordinate to create a construction schedule information to formulate one master schedule for the entire Project by the GC.
 - Provide reflective vests and PPE to always be worn by all on-site personnel.
 Parties that do not abide by this requirement will be escorted off the premises.
 - 4. Provide erosion and Sediment Control and dewatering as it relates to any excavation associated with the GC Prime Contract.
 - 5. Provide potable drinking water for its own employees.
 - 6. Provide access to all concealed systems as required for system maintenance and repair for items installed in their Prime Contract. This specifically talks to access panels needed for future maintenance by the district.
 - 7. Provide and maintain material lifting equipment required for the completion of their Contract requirements, and complying with NYS Labor Laws, OSHA Regulations, and other Federal, State, and local laws.
 - 8. Provide and maintain additional temporary stairs, ladders, ramps, scaffolding, and platforms required specifically for completion of work of their own Contract, and as further detailed in this section. All work needs to comply with the NYS Labor Laws, OSHA regulations, and other Federal, State, and local laws.
 - 9. Provide Fire Prevention materials and equipment for fire protection related to the work of their own Prime Contract. Provide fire extinguishers, fire blankets, and fire watch during all cutting and welding operations. Protect all existing components like smoke detectors, etc.
 - 10. Provide any supplemental lighting required to install the work of its own Contract, beyond the minimum OSHA levels provided under the Electrical Work Prime Contract.

- 11. Provide any supplemental heat required to install the work of its own Contract when temp heat is needed outside the timeline of interior finishing work. Temp heat provide by MC and must be electrical sourced.
- 12. Provide traffic control for deliveries, and equipment needed to perform the work of their own Prime Contract. Access must be coordinated with the district building operation schedule.
- 13. Provide protection of its own finished Work, after installation, until accepted by the Owner.
- 14. Provide fire caulking for any penetration related to the work for its own Prime Contract.
- 15. Provide any office and storage trailers required to complete the work of their own Prime Contract. Storage containers must be within the staging area and approved by the district.
- 16. GC to provide for a thorough final cleaning of the entire work areas by a professional cleaning company pre accepted by the district, building (existing), and equipment provided under their other Contract immediately before the final inspection. Cleaning must be accepted by the district and done to their standards. Each Prime Contractor is responsible for daily cleaning of dust and debris generated from the work of their own Contract. Maintain areas in a cleaned condition until the Owner occupies the space. All new floors get three coats of wax by GC prior to turn over.

2.3 SUMMARY OF WORK

A. The work will be constructed under multiple prime contracts. One set of contract documents is issued covering the multiple contracts. Each Prime Contract is defined as:

B. PHASE 1–2023 CAPITAL IMPROVEMENT PROJECT- WORK CONSISTS OF BUT NOT LIMITED TO THE FOLLOWING:

- 1. GENERL / ABATEMENT CONTRACTOR Renovations to existing Buildings and abatement.
- 2. MECHANICAL AND PLUMBING CONTRACTOR -Renovations to existing buildings, New mechanical units throughout multiple buildings. New boilers and associated work at the high school. "Install only" pertains to Trane supplied units only, all other units/equipment supplied and installed by this contractor.
- 3. ELECTRICAL CONTRACTOR Renovations and Mechanical connections at multiple buildings.

3.2 WORK UNDER SEPARATE CONTRACTS

A. The project will be constructed under a multiple-prime contracting arrangement

- B. One set of documents is issued covering all prime contracts scope of work. Each prime contractor is to review ALL drawings and specifications for complete understanding and knowledge of the work to be performed by all trades. Any questions of responsibility should be discovered Pre award. After award, the CM has the right to dictate responsibility.
- C. The following Contract Documents are specifically included and defined as integral to each Prime Contract.
 - 1. Bidding Requirements
 - 2. Performance and Payment Bonds
 - 3. Conditions of the Contract, including
 - a. General Conditions & Supplementary Conditions
 - b. Insurance Requirements
 - c. NYS Prevailing Wage Rates
- D. Extent of Contract: Unless the Contract Documents contain a more specific description of the work, names and terminology on Drawings and in Specification Sections determine which contract includes a specific element of the Project.
 - 1. Unless otherwise indicated, the Work described in this Section for each contract shall be complete systems and assemblies, including products, components, accessories, and installation required by the Contract Documents.
 - 2. All Concrete Work inside/outside the building footprint shall be provided by the GC, unless specifically assigned to another Contract.
 - 3. Concrete work inside the existing building will be the responsibility of the General Contractor.
 - 4. Provide all cutting, core drilling & patching associated with the Work of its own Prime Contract. All patching is to be performed by mechanics qualified and experienced with the materials and finishes being patched and hired by the responsible Prime Contractor. New openings requiring structural reinforcing including lintels for all trades will be the responsibility of the General construction contract. Coordinate with Drawings and lintel schedule for opening size requirements.
 - 5. Lead Based Paint precautions for the Work of each contract shall be provided by each contract for its own Work. Each Prime Contractor shall provide procedures for OSHA Lead precautions.
 - 6. Each Prime Contractor shall designate a full-time superintendent to supervise the work of the Prime Contractor, who shall always be present on the job site when work is being performed; this person shall be familiar with Project and authorized to conclude matters relating to progress. This person shall also represent their company at weekly contractor meetings.
 - 7. Termination and removal of its temporary facilities shall be provided by each contract for its own Work.

- 8. The Electrical Contractor shall provide temporary power and lighting for all trades.
- 9. Temp Heat will be provided by the Mechanical Contractor when finishes are being applied or as directed by the construction manager. Including operator to ensure uninterrupted service. Electrical contractor to provide temp power to temp mechanical equipment.
- 10. Installation, operation, maintenance, and removal of each temporary facility are usually considered as its own normal construction activity, and costs and use charges associated with each facility.
- 11. Generators, plug-in electric power cords and extension cords, supplementary plug-in task lighting, and special lighting necessary exclusively for its own activities.
- 12. Each Prime Contractor is to stockpile his debris on a daily basis and place it in the dumpster. Dumpsters will be provided by the General Construction contract for use by the Prime contractors, and recycling materials will be instituted daily. Waste disposal facilities, including collection and legal disposal of its own hazardous, dangerous, unsanitary, or other harmful waste materials will be by the Hazardous Material Abatement sub-Contractor under the GC contract.
- 13. Secure lockup of its own tools, materials, and equipment.
- 14. Safety procedures as dictated by the district, OSHA, and the NYS Department of Labor.
- 15. Labor for daily clean-up.
- 16. General Contractor to include Temp site fence around areas of work and staging areas as directed by the CM. Fence will be removed when work is complete and signed off by the architect. Including staging areas.
- PC to provide temp water line, including insulation for the CM trailer hookup,a. assume 80LF.
- 18. PC to provide sewer connection from CM trailer to septic tank, make custom lid to feed sewer line directly through tank lid. Assume 50LF and include insulation.
- 19. EC to heat trace water and sewer line listed in items #8 and #9 above for Water
- 20. Abatement will take place over Winter and Spring breaks as well as Summer of 2025, coordinate locations with Construction Manager.
- 21. Abatement during the Summer of 2025 will take place simultaneously at all buildings.

3.3 CONTRACT 1 - GENERAL ABATEMENT CONSTRUCTION

- A. The Work of the General Abatement Construction Work Contract includes but is not limited to, the following descriptions:
 - 1. Includes new building construction, renovations, and alterations. This includes, but is not limited to, work shown on the following:
 - 2. Drawings:

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- a. All "T" Title sheets, general notes, code compliance and Phasing Drawings" (General)
- b. All "A" Drawings (Architectural)
- c. All "HZ" Drawings (Hazardous Materials Abatement)
- d. All "I" Drawings (Interiors)
- e. All "S" Drawings (Structural)
- f. All "C" Drawings (Civil)
- g. All "U" Drawings (General)
- 3. Coordination:
 - a. Coordinate with the work of all the other contractors.
 - b. Each trade will participate in producing coordination drawings. The General, Mechanical/Plumbing and Electrical contractors will overlap their new work and coordinate locations, heights, routes, Etc. to eliminate hits and or obstructions from existing or new work. Each trade will meet once a week to coordinate their drawings. Ductwork and mechanical piping first, plumbing second and electrical third. A full set of coordination drawings must be completed within Five weeks after award of contract.
 - c. General Contractor provides a complete coordinated schedule including all trades durations for the span of the project, including weekly updates if necessary.
- 4. Demolition:
 - a. Provide protection for all materials and objects to remain intact.
 - b. Removal of masonry walls, doors, and interior partitions as required for new work. General Contractor is responsible for shoring, demolition and protection of areas associated with new work.
 - c. Removal of finishes noted on plans including but not limited to flooring, ceilings, and misc. items attached to existing walls to be removed. Review patch to match conditions. Patch openings from removed unit ventilators, window A/C and plumbing pipes a required.
 - d. Removal and disposal of miscellaneous equipment including all existing wall mounted specialty items and/or equipment not shown if impacting work to be demolished. Coordinate shutdown (of utilities) with TPG and trades associated with the area of demolition. See demolition plans for additional notes.
 - e. All cutting and patching necessary for work of this contract, including layout, sleeves, coring, debris removal, saw cuts of existing slabs, providing lintels, drywall work, plaster work, grouting, painting, ceiling removal and replacement, etc, this trade contractor will be responsible for other trades wall openings (cutting and infill) if structural support is required.
 - f. Provide temporary access and continuous exits in and out of all construction areas.

- g. Provide dust protection. Including but not limited to adjacent louvers and air intakes within forty feet of the exterior work area. Include protection of fire alarm head, smoke detectors, duct detectors, etc.
- h. Provide Temporary storage for salvaged materials as indicated on the drawings until reinstallation of such materials.
- i. Removal and disposal of any existing curbing, stairs, bituminous paving, and walks as shown or described on the contract drawings.
- j. Include equipment pads for all trades as needed
- k. Include Abatement as part of this contract-See drawings for scope.
- I. Any demolition associated with the abatement is to be repaired, replaced and or put back to its original state prior to demo by this contractor.
- 5. Temporary Facilities: In Addition to
 - a. Provide dust protection as directed by the CM and temporary site/security fencing with mesh for the period of the contract. Install temp walls just prior to the start of new GC work in that area or as directed by the CM
 - b. Provide wash out area for construction vehicles designated by the CM.
 - c. Provide Portable toilets for all trades. One toilet per five men.
 - d. Provide snow removal for contractors staging and work areas if applicable.
 - e. Provide and install Project information signs at the Site and inside the buildings as directed by the CM. Signs provided and installed by GC. See specifications for size and materials. See logistics plan for additional signage.
 - f. Provide Temporary Facilities indicated as Work of this Contract in Division 1 Section 01 5000, "Temporary Facilities and Controls"
- 6. New Construction:
 - a. The General Construction Work Contract shall perform all necessary cutting, trenching, excavation, backfilling, compaction, and new concrete infills inside the existing building and field required poured in place concrete for all other primes. Coordinate Architectural drawings with M, E and P drawings for existing slab openings for other trades and performed under this contract.
 - b. Provide multiple shifts work as needed to complete work as shown on milestone schedule. Multiple shifts during the week and single shift on Saturdays will be required to make up days on the schedule, unless the contractor requests the additional time for other reasons that are acceptable by the district.
 - c. General Requirements, including but not limited to, additional items specifically indicated as the Work of this Contract.
 - d. Provide a surveyor to layout new exterior and interior, submit to architect for approval.
 - e. All concrete slabs on grade outside doors by this trade.
 - f. General contractor to supply and install all railings as shown on the contract drawings

- g. General contractor to include all roofing scope in this contract including associated accessories like down spouts, crickets, and MEP openings, setting and roofing in MEP curbs.
- h. General contractor to supply and install all casework as shown on the contract drawings. Field measuring and shop drawings for architect approval will be the responsibility of this trade. This includes owner supplied casework.
- i. GC to include all winter concrete and masonry measures and expenses in this contract.
- j. Include all storefronts, including installation, associated hardware for full functionality as indicated on the contract drawings. Provide all ADA hardware including installation.
- B. The Work of the General Construction Contract includes but is not limited to, the following descriptions.
 - 1. This trade is responsible for always maintaining a secure Site, including but not limited to locking all gates and doors at the end of each day.
 - 2. Provide all temporary fall protection, guardrails, handrails, temporary stairs and ramps as required. Include maintaining these items throughout the project as well as removal when no longer needed.
 - 3. Provide and maintain all site signage as requested by the CM. Example; Gate A-B, Hard hat area, No Smoking, Construction personnel only, Exit signs, Project information sign, Etc...
 - 4. General Construction Contractor shall obtain and pay for any permits, inspections, or certifications from governing authorities having jurisdiction over the work to be performed, or over the finished product to be installed by this Contractor. Project Building Permit is by others. Include in this contract hydrant use permits if necessary.
 - 5. Provide all roofing work, Roof blocking and plywood, including:
 - a. Provide roof penetrations and blocking for mechanical equipment curbs furnished by HVAC contractor. HVAC and PC contractor to coordinate with General Construction Contractor.
 - b. Temporary and final roofing, weather-tight protection for roof shall be by the General Construction Contractor.
 - c. Patching at all removed existing walls. Including paint and finishes
 - d. Patching at all removed existing millwork and casework items.
 - e. Patching at all removed existing and replaced console unit ventilators. Misc. insulation and brick infill at voids by General Contractor. Patch to match the brick/EIFS at the exterior walls and the block at interior walls and where louver openings needed to be modified, or A/c units removed all by the General Work Contractor. Also patch to match existing floor at areas where old UVs are removed and or replaced.
 - f. Patching at all relief grills removed in corridors.

- g. Patching at all new door openings cut through existing walls.
- h. Patching at all new walls in construction where existing walls have been removed.
- 6. Provide (unless noted otherwise):
 - a. Provide interior/exterior equipment and housekeeping pads for all Prime Contracts, coordinate as necessary for size and locations.
 - b. Include in base bid to furnish and install the following access doors beyond those already shown on drawings or required for access above ceilings and behind walls:
 - c. Four 18" x 18" fire-rated access doors for gypsum wallboard construction.
 - d. Four 18" x 18" fire-rated access doors for masonry construction.
 - e. Four 12" x 12" Fire Rated access doors for masonry construction.
 - f. Four 8" x 8" non-rated, primed steel, trim less, access doors for gypsum wallboard construction.
 - g. Purchase and turn over the following items to the CM:
 - 1) 1-HP Office Jet Pro 7740 printer 8-1/2" to 11x17"
 - 2) 10 cartridges of each ink color for the above printer
 - 3) 1 Water cooler/heater and 6-five-gallon bottles of water.
 - 4) 1 large box of 16 oz cups for hot liquids
 - 5) (4) 8' plastic folding tables
 - 6) 2 Rolling office chairs with arms
- 7. Provide and install window shades if required per contract drawings.
- 8. Salvage and reinstall ceiling tile as indicated. Replace damaged tile with new at GC contractor's expense even if damaged by others.
- 9. in addition to the contract allowance, provide and install seven boxes of new ceiling tile to match existing as part of base bid.
- 10. Provide engineered shoring plan at any major wall openings for Architect review and or as called out on the drawings.
- 11. All ceiling access doors are installed by the General Contractor.
- 12. All concrete, rebar and forms are provided and installed by the general contractor as shown on the contract drawings.
- 13. General contractor to modify ceilings in classrooms as shown and described in the contract drawings
- 14. Provide and install all Structural steel as per the drawings and or for MEP trades where structural support for their openings are required.
- 15. All interior trench infill requiring concrete will be by this contractor. Coordinate with M, P and E drawings for locations.
- C. GC contractor to excavate for all trades and all work outside the building footprint.
- D. GC contractor includes all storm and wastewater work outside the building.
- E. GC contractor to include all topsoil and seeding at areas disturbed by construction activities.

- F. GC contractor to include all paving/curbs/sidewalks and associated work including line striping.
- G. GC contractor to include all landscaping/plantings/trees as shown on the contract drawings.
- H. This trade to maintain a clean, dust and debris free roadway outside of the site perimeters.
- I. GC contractor to include demolition and replacement of all sidewalks as shown on the drawings.
- J. Provide temporary driveway, parking lot paving and drainage if required.
- K. Areas modified for construction/staging to be placed back to its natural state once construction is complete.
- L. The Work of the General Construction Contract includes but is not limited to the Work that is specified in the Project Manual(s) and as shown on the drawings that form the contract plans. The Contractor is directed to examine all drawings since certain details and/or notes may appear anywhere therein that apply to his/her particular work. This prime contract is defined as, and includes, all Sections in the Divisions indicated by reference, and specific Sections noted:
 - 1. Division 00 Procurement and Contracting Requirement, all Sections.
 - 2. Division 1 General Requirements, all Sections, including Temporary Facilities indicated.
 - 3. Division 2 Selective Structure Demolition
 - 4. Division 3 Concrete, all Sections.
 - 5. Division 4 Masonry, all Sections.
 - 6. Division 5 Metals, all Sections.
 - 7. Division 6 Woods, Plastics and CompoGCs, all Sections.
 - 8. Division 7 Thermal and Moisture Protection, all Sections
 - 9. Division 8 Openings, all Sections
 - 10. Division 9 Finishes, all Sections.
 - 11. Division 10 Specialties, all Sections
 - 12. Division 11 Equipment, all Sections, all Sections
 - 13. Division 12 Furnishings, all Sections
 - 14. Division 14 Conveying equipment
 - 15. Division 19 Section 193000—Theatrical Stage Rigging and curtains
 - 16. Division 31 Earthwork all sections
 - 17. Division 32 Exterior Improvements all sections
- 3.4 CONTRACT 2 MECHANICAL & PLUMBING CONTRACT

- A. *See Plumbing in separate sections of this summery of work but to be included with mechanical scope
- B. Work of this Contract includes, but is not limited to, the following descriptions:
 - 1. New mechanical units install, piping, connections, and startup. Demolition and removal of old equipment and associated hardware, valves, piping, ductwork, balancing, etc...
 - 2. Includes Water Distribution Service, plumbing fixtures and other systems traditionally recognized as Plumbing work. This includes but is not limited to, all work shown on the "P" as it relates to your scope of work, and applicable information shown on the contract drawings.
 - 3. All "Title sheets, general notes, code compliance and Phasing Drawings" (General)
 - a. All "T" Drawings Title sheets, general notes, code compliance and Phasing Drawings" (General)
 - b. All "A" Drawings (Architectural) For coordination
 - c. All "H" Drawings (Mechanical)
 - d. All "P" Drawings (Plumbing)
 - e. All "S" Drawings (Structural) For coordination
 - f. All "U" Drawings (General) Temp Construction
 - 4. All personnel on site shall always have a photo ID displayed where visible. Those without will be removed at once. If the same individual fails to have the ID a second time they will be removed f and not be allowed back. All personnel will be subject to the raptor system check and cleared before entering the property.
- C. Work of this Contract includes, but is not limited to, the following descriptions:
 - 1. Includes HVAC Equipment install, Piping, ductwork, control systems, plus other construction operations traditionally recognized as heating, ventilating and cooling work. This includes, but is not limited to, all work shown on the drawings, and applicable information shown on the architectural and electrical drawings, unless noted otherwise. It also includes Administrative and coordination responsibilities.
 - 2. Mechanical units only provided by Trane and installed by this trade. Coordination between Trane and this contractor is required. See list of equipment provided by addendum.
 - 3. Controls supplied by others but coordinated by this contractor.
 - 4. Coordination:
 - 5. a) Coordination with the work of all the other contractors and suppliers.
 - 6. b) Each trade will participate in producing coordination drawings. The

- 7. Mechanical/Plumbing and electrical contractors will overlap their new work and coordinate locations, heights, routes, Etc. to eliminate hits and or obstructions from existing or new work. Each trade will meet once a week to coordinate their drawings. Ductwork and mechanical piping first, plumbing second and electrical third. A full set of coordination drawings must be completed within four weeks after the award of contract.
- 8. Demolition:
- 9. Provide demolition of all HVAC and Plumbing equipment and piping as shown and as required at the existing building. Salvage equipment for reinstallation as indicated on the drawings if applicable.
- 10. Include All cutting and patching necessary for work of this contract, including layout, sleeves, coring, debris removal, saw cuts, drywall work, plaster work, grouting, painting, etc. GC to patch Floors, walls, louvers, Etc.. at the locations needing finish work.
- 11. Temporary Facilities:
- 12. Provide Temporary Facilities indicated as Work of this Contract in Division 1 "Temporary Facilities and Controls"
- 13. Include protecting all air intakes by mechanical equipment with temporary filters to help mitigate dust control.
- 14. This contractor will be responsible for receiving and storing mechanical units until the time of installation. Storage sources will be the responsibility of this contractor.
- 15. This contractor will be responsible for coordinating with TRANE in conjunction with the supply of the mechanical units. Coordination will include what is needed to properly install the mechanical units.
- 16. Construction:
 - a) The General Construction Contractor is to provide rough openings in walls that require structural support including lintels. Submit to the Construction Manager the name and qualification of the subcontractor performing the installation prior to starting the work.
 - b. b) The General Construction Contractor shall perform all necessary trenching and excavation, backfilling, compaction and new poured in place concrete for all trades
 - c. c) All low voltage for HVAC equipment by this trade except for mechanical control (BMS).
 - d. d) Provide and install all controls (outside of the BMS) components into air and hydronic systems as required maintaining the integrity of the system per spec and programmed based on districts existing system:
 - e. Install motor actuated dampers.
 - f. Install airflow measuring stations.
 - g. Install airside temperature and pressure sensors.
 - h. Install hydronic control valves.
 - i. Install hydronic temperature and pressure sensor wells

j. Provide TAB and participate in commissioning work of the EMCS as required for controls of the work of this contract.

k. Provide all ductwork as indicated on the drawings

- I. Lifts and scaffold for means and methods of installation of work under this trade is the responsibility of the trade.
- m. All exposed duct to be painted by this trade if require by the contract documents.
- 17. a) Provide and install new RTUs and associated piping hangers and duct work.
 - a. b) Provide and install Hydronic and refrigerant piping and pumps
 - b. c) Provide and install new exhaust fans and ductwork as shown.
 - c. d) Install Air Handling Units and Roof top units if shown on the schedule
 - d. e) Install all equipment as scheduled on drawings
 - e. f) Provide and install new unit heaters, piping controls.
 - f. Provide contractor filters, final replacement filters and final duct cleaning.
- 18. Provide and install all insulation, painting and labeling of new and modified piping, ductwork and equipment as required.
- 19. Provide all testing, adjusting and balancing of all new and existing modified HVAC systems.
- 20. All fees required for inspections and permits. Building permit by owner
- 21. Provide support framing for HVAC equipment, i.e. mechanical equipment curbs, dunnage.
- 22. Furnish access doors for HVAC access (to be installed by GC)
- 23. Provide firestopping and sealing at all HVAC penetrations
- 24. Furnish motor controllers/disconnects to Electrical Contract for installation and wiring. MC to mount disconnects.
- 25. Provide the necessary curbs and layout for all roofing penetrations to the General Work Contractor.
- 26. Provide and video owner training / commissioning of equipment, more than once if needed.
- 27. Provide replacement of all new unit filters at start up.
- 28. Provide Grilles as shown.
- 29. Provide and install all condensate drains and pumps for mechanical equipment
- 30. Install new filters at substantial completion.
- 31. Controls:
 - a. BMS Controls By others see controls language by addendum
- D. The Work of the Mechanical / Plumbing Contract includes but is not limited to the Work that is specified in the Project Manual(s) and as shown on the drawings that form the contract plans. The Contractor is directed to examine all drawings since certain details and/or notes may appear anywhere therein that apply to his/her work. This prime contract is defined as, and includes, all Sections in the Divisions indicated by reference, and specific Sections noted:

- 1. Division 00 Procurement and Contracting Requirement, all Sections.
- 2. Division 01 General Requirements all Sections, including Temporary Facilities indicated
- 3. Division 02 Demolition as required for the Work of this Contract
- 4. Division 04 Concrete as required for this contract
- 5. Division 05 Metals as required for the Work of this Contract
- 6. Division 07 Thermal and moisture protection
- 7. Section 079200 Joint Sealants
- 8. Section 07 8400 Firestopping, as required for the Work of this Contract
- 9. Division 22 Plumbing, all sections
- 10. Division 23 HVAC, all Sections.
- 11. Division 26 Electrical, As required for the work of this Contract

3.5 CONTRACT 3 - ELECTRICAL WORK CONTRACT

- A. Work of this Contract includes, but is not limited to, the following descriptions:
 - 1. Includes Electrical Distribution Service, Lighting, CATV systems, Communications, Fire Alarm, Intercom Systems, Security Systems, Emergency Lighting, and other systems traditionally recognized as Electrical work. This includes but is not limited to, all work shown on the "E" drawings as it relates to your scope of work, and applicable information shown on the
 - 2. All "T" & "U" Drawings "Title sheets, general notes, code compliance and Phasing Drawings" (General)
 - 3. All "A" Drawings (Architectural) As required for the work of this contract
 - 4. All "H" Drawings (Mechanical) As required for the work of this contract
 - 5. All "P" Drawings (Plumbing) As required for the work of this contract
 - 6. All "E" Drawings (Electrical)
 - 7. Coordination:
 - 8. Coordination with the work of all the other contractors.
 - 9. Each trade will participate in producing coordination drawings. The
 - a. Mechanical/Plumbing and electrical contractors will overlap their work and coordinate locations, heights, routes, Etc. to eliminate hits and or obstructions from existing or new work. Each trade will meet once a week to coordinate their drawings. Ductwork and mechanical piping first, plumbing second and electrical third. A full set of coordination drawings must be completed within four weeks after the award of contract.
 - 10. Electrical contractor to layout the work of its scope of work when the general contractor is to cut openings requiring structural support and or slab openings.
 - 11. Any devices not to code that are not scheduled to be replaced or removed will be fixed to meet the NYS building code. This includes but not limited to, adding covers to exposed junction boxes, any exposed wired to be properly concealed, conduit not mounted and affixed to the wall to be mounted properly, Etc..
 - 12. Demolition:

- 13. Removal of items as shown and/or required.
- 14. Removal and disconnections of electrical devices in walls, ceilings and
- 15. Floors scheduled to be removed in the building.
- 16. Coordinate with TPG, the General, Plumbing and HVAC Work Contractor for necessary shutdowns and disconnects.
- 17. Remove all and any unused devices in the boiler room even if not scheduled to be removed per the direction of the architect.
- 18. Remove and dispose all electrical devices/lighting as shown on the contract drawings.
- 19. Temporary Facilities: in addition to
- 20. Provide Temporary Facilities indicated as Work of this Contract is
- 21. Division 1 Section 01 5000, "Temporary Facilities and Controls"
- 22. Provide night/day security camera system with DVR and monitor for the purpose of the construction staging/yard security during the construction schedule only. System will be equipped with local and remote access. System will be set up in the CM trailer.
- 23. Provide power connection and disconnect to CM trailer.
- 24. Install heat trace to water supply and sewer piping associated with the CM trailer.
- 25. Provide temporary lighting (as required) for the construction of staging/yard/work areas.
- 26. Provide temp and permanent power outlets, panels and connections for other trades tools and equipment. No limit to how many temp services or voltage. Include abatement sub-contractors connections and disconnects
- 27. Provide and disconnect power to the abatement subcontractors temp panel.
- 28. Provide Generator for use to power the building while power is shut down. Include fuel and manpower to operate the generator.
- 29. Construction:
- 30. The General Construction Work Contract shall provide all openings in walls, floors, and roofs for all other Prime Contractors, that require lintels, and structural framing only. All other openings required for the work of this contract, will be the responsibility of this trade.
- 31. The General Construction Work Contract shall perform all necessary slab openings, excavation, backfilling, compaction, poured in place concrete infill inside the building and field required concrete for all other primes.
- 32. Provide ALL power wiring to ALL HVAC equipment. (Install motor controllers/disconnects supplied by MP Contract) including temp heat units
- 33. Provide power to all ADA hardware and electric hardware shown in door hardware schedule. Provide control wiring and connection for electrified door hardware,
- 34. Provide all interior and exterior lighting including lighting control.
- 35. Provide all fire alarms, networking systems, WAP and camera wiring.
- 36. Provide public address systems, including full installation and training.

- 37. Provide all cutting and patching required installing all electrical fixtures, devices, wire and conduit.
- 38. Provide all fees required for inspections and permits other than owner supplied special inspections.
- 39. Provide support framing for Electrical equipment and conduits.
- 40. Provide a new outlet in the ceiling of each new unit for condensate pump
- 41. Furnish access doors for electrical access (to be installed by GC)
- 42. Provide firestopping and sealing of all electrical penetrations
- 43. Provide a video of owner training and repeat if necessary
- 44. Provide and maintain a temporary electric service, including lighting and power, Maximum of 1 trailer per Prime Contractor. Each trailer to have a 100 amp, 240 Volt single-phase connections. Assume a diversified peak connected load factor of 12KW per trailer.
- 45. Provide and install heat trace for all water lines (sewer and water supply) on CM Construction Trailer.
- 46. All underground electrical utility work is the responsibility of this contractor.
- 47. This trade is responsible for all communications and coordination with utility companies.
- 48. Relocate existing exterior wall mounted devices from existing exterior wall that interfere with new storefronts to the new exterior walls
- 49. Provide all work associated with the storefronts, including low voltage.
- 50. General Requirements, including but not limited to, additional items specifically indicated as the Work of this Contract.
- B. The Work of the Electrical Work Contract includes but is not limited to the Work that is specified in the Project Manual(s) and as shown on the drawings that form the contract plans. The Contractor is directed to examine all drawings since certain details and/or notes may appear anywhere therein that apply to his/her particular work. This prime contract is defined as, and includes, all Sections in the Divisions indicated by reference, and specific Sections noted:
 - 1. Division 00 Procurement and Contracting Requirement, all Sections.
 - 2. Division 1 General Requirements all Sections, including Temporary Facilities indicated
 - 3. Division 2 Demolition
 - 4. Division 7 078400- firestopping 079200 joint sealants
 - 5. Division 8 Section 08 71 00, Door Hardware (as it relates to this contract for power connections to equipment)
 - 6. Division 12 Telescoping bleachers
 - 7. Division 14 Electric traction elevators
 - Division 19 Theatrical Section 191000 Performance Sound System and Section 192000 Theatrical Lighting Systems
 - 9. Division 22 All sections (as relates to this contract for power connections to equipment)

- 10. Division 23 All sections (as relates to this contract for power connections to equipment)
- 11. Division 26 Electrical All Sections.
- 12. Division 27 Communications installation (as relates to this contract) All Sections
- 13. Division 28 Electronic safety and security (as relates to this contract) All Sections

3.6 CONTRACT 2 - PLUMBING / MECHANICAL WORK

- A. *See Mechanical in separate sections of this summery of work but to be included with Plumbing scope
- B. Work of this Contract includes, but is not limited to, the following descriptions:
 - 1. Includes Water Distribution Service, plumbing fixtures and other systems traditionally recognized as Plumbing work. This includes but is not limited to, all work shown on the "P" as it relates to your scope of work, and applicable information shown on the contract drawings.
 - 2. All "T" and "U" Drawings "Title sheets, general notes, code compliance and Phasing Drawings" (General)
 - 3. All "A" Drawings (Architectural) As required for the work of this contract
 - 4. All "H" Drawings (Mechanical) As required for the work of this contract
 - 5. All "P" Drawings (Plumbing)
 - 6. All "E" Drawings (Electrical) As required for the work of this contract
 - 7. Coordination:
 - 8. Coordination with the work of all the other contractors.
 - 9. Each trade will participate in producing coordination drawings. The
 - 10. Mechanical, Plumbing and electrical contractors will overlap their new work and coordinate locations, heights, routes, Etc. to eliminate hits and or obstructions from existing or new work. Each trade will meet once a week to coordinate their drawings. Ductwork and mechanical piping first, plumbing second and electrical third. A full set of coordination drawings must be completed within four weeks after award of contract.
 - 11. Plumbing contractor to layout the work of its scope of work where the general contractor is to cut openings requiring structural support and or slab openings.
 - 12. Demolition:
 - a. Removal of items as shown and/or required.
 - b. Removal and disconnections of plumbing fixtures
 - 13. scheduled to be removed
 - a. Coordinate with TPG, the General, Electrical for necessary shutdowns and disconnects.
 - b. layout, sleeves, coring, debris removal, drywall work, plaster work, grouting, painting, ceiling removal and replacement, etc
 - C.
 - 14. Temporary Facilities:

- a. Provide Temporary Facilities indicated as Work of this Contract I Division 1 Section 01 5000, "Temporary Facilities and Controls"
- b. Provide water connection to CM trailer.
- c. Provide temp hose bibs to construction GC for use of all trades.
- d. Provide backflow preventer and hydrant key for the connection and use to existing fire hydrant
- 15. Construction:
 - a. The General Construction Work Contract shall provide all openings in walls, floors, and roofs for all other Prime Contractors, that require lintels, and structural framing only. All other openings required for the work of this contract will be the responsibility of this trade. Slab openings as shown on the contract drawings will be by the GC but layout is by Plumbing contractor.
 - b. The General Construction Work Contract shall perform all necessary Slab openings, trenching and excavation, backfilling, compaction, slab concrete infills, and field required poured in place concrete for all other primes.
 - c. Provide all fees required for inspections and permits other than owner supplied special inspections. Building permit by owner.
 - d. Provide all fixtures and associated equipment including carriers if required
 - e. Provide firestopping and sealing of all electrical penetrations
 - f. Provide videoed owner training on all new equipment. Record training and submit with closeout documents
 - g. All underground utility work is the responsibility of this contractor.
 - h. This trade responsible for all communications and coordination with utility companies.
 - i. Provide isolation valves for all new building to old building existing piping that requires tie ins
 - j. Drain plumbing system for new connections and reinstall when complete.
 - k. General Requirements, including but not limited to, additional items specifically indicated as the Work of this Contract.
- C. The Work of the Plumbing Work Contract includes but is not limited to the Work that is specified in the Project Manual(s) and as shown on the drawings that form the contract plans. This Contractor is directed to examine all drawings since certain details and/or notes may appear anywhere therein that apply to his/her particular work. This prime contract is defined as, and includes, all Sections in the Divisions indicated by reference, and specific Sections noted:
 - 1. Division 00 Procurement and Contracting Requirement, all Sections.
 - 2. Division 1 General Requirements all Sections, including Temporary Facilities indicated
 - 3. Division 2 Demolition
 - 4. Division 7 Section 07 84 00, Penetration Firestopping and 07 92 00, Joint Sealants, as required for the Work of this Contract.

- 5. Division 10 Specialties as it relates to this contract
- 6. Division 12 Manufactured wood casework Countertops
- 7. Division 22 Plumbing
- 8. Division 23 HVAC as relates to this contract
- 9. Division 33 Utilities as relates to this contract

3.7 WORK SEQUENCE

- A. The Work will be conducted to provide the least possible interference to the activities of the Owner's personnel.
- B. Work cannot be performed in occupied areas. Work shall be scheduled off-hours, vacations, and weekends for occupied areas if applicable. A Construction Manager Superintendent must be always on site when work is being performed. If a contractor fails to maintain the progress as indicated by the milestone schedule by no other fault but its own and requires overtime to complete the work; the contractor shall make arrangements with the Construction Manager 48 hours in advance and pay for a Construction Manager's superintendent at \$150.00 per hour. In the event that the cause for delay is multi-contract, then the costs shall be distributed evenly among contracts. Advise the Construction Manager 48 hours prior to commencing work inside the building. Regardless of schedule and delay, if a contractor wants to work overtime and weekends, the contractor shall make arrangements with the Construction Manager 48 hours in advance and pay for a Construction Manager 48 hours in advance and pay for a Construction Manager 48 hours in advance to work overtime and weekends, the contractor shall make arrangements with the Construction Manager 48 hours in advance and pay for a Construction Manager's superintendent at \$150.00 per hour.
- C. Coordination of any utility and/or power interruption must be done with the Construction Manager. Shutdowns must occur during off-hours and on days when the building is not occupied by the owner.
- D. Construction access to the site shall be limited to those designated for contractor's personnel, equipment and deliveries by the Owner. Contractors' staging, parking and storage shall be coordinated by the Construction Manager.
- E. Each Contractor shall inspect the site and review the AHERA report on file for the presence of asbestos. Unless otherwise noted, there will be asbestos containing material in place that will require work to take place in the vicinity of, around and/or next to. Each prime contractor that will be working above ceilings, demolishing, in crawl spaces, boiler rooms and all other areas that may contain asbestos per the AHERA report, shall employ "Allied Trades: certified/licensed tradesman as part of the on site workforce".

3.8 OCCUPANCY REQUIREMENTS

A. The GAC Work Contractor shall provide Outdoor air quality management as specified by the Department of Labor and OSHA during construction

- 1. Provide an exhaust air system for the project indoor areas that could produce fumes, VOC's off-gasses, gasses, dusts, mists, or other emissions.
- 2. Exhaust air system for the project areas that could produce emissions listed in Paragraph 1 shall be utilized.
- 3. Provide Water for dust control.
- B. Quality assurance:
 - 1. Before start of work, submit a design for the exhaust air system. Do not begin work until approval of the Owner is obtained.
 - 2. The number of machines required.
 - 3. Location of the machines in the workspace.
- 3.9 End Of Contractor Scopes
- 3.10 PROJECT MILESTONE SCHEDULE
 - A. See the milestone schedule to be provided by Addenda.
 - B. All Prime Contractors are required to submit a schedule based on the milestone dates to the Construction Manager for review and comment no later than 10 days after a Notice to Proceed for the work is issued.

C. Night shift work at the interior of existing buildings will take place during the weeknights. See schedule and phasing diagrams for more information

3.11 ALLOWANCES

A. See Specification Section 01 2100.

3.12 ALTERNATES

A. The Contractor shall state where requested on the Bid Form the amount to be added to or deducted from the base bid for the alternates described in Section 012300 -Alternates.

END OF SECTION

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SECTION 028213 – ASBESTOS ABATEMENT

- PART 1 GENERAL
 - A. RELATED DOCUMENTS
 - 1. Drawings and general provisions of the Contract, including General & Supplementary Conditions and other specification sections, apply to this Section.
 - B. DEFINITIONS
 - 1. Many key words appear throughout the design documents and New York State Department of Labor (NYSDOL) Industrial Code Rule 56 (ICR 56). Definitions of these key words have been provided in NYSDOL ICR 56 for reference purposes.
 - C. SUMMARY OF WORK
 - 1. The following asbestos-containing materials (ACMs) and presumed asbestoscontaining materials (PACMs) shall be removed & disposed of by a NYSDOL-licensed asbestos abatement contractor on this project:

Reference Drawing(s)	Asbestos Abatement Scope of Work Description	Estimated Quantity
BES-AA100	Removal & disposal of presumed asbestos-containing chalk / cork board mastic.	300 SF
	Removal & disposal of asbestos-containing sink basin mastic.	12 SF

Table 1: Berea Elementary School

 Table 2:
 East Coldenham Elementary School

Reference Drawing(s)	Asbestos Abatement Scope of Work Description	Estimated Quantity
ECES-AA100	Removal & disposal of presumed asbestos-containing floor tile and mastic.	470 SF
	Removal & disposal of presumed asbestos-containing pipe and/or pipe fitting insulation.	20 LF

Table 3: Maybrook Elementary School

Reference	Asbestos Abatement	Estimated
Drawing(s)	Scope of Work Description	Quantity
MAY-AA100	Removal & disposal of asbestos-containing floor tile.	810 SF

Table 4: Montgomery Elementary School

Reference	Asbestos Abatement	Estimated
Drawing(s)	Scope of Work Description	Quantity
MES-AA100	Removal & disposal of asbestos-containing floor tile and mastic.	228 SF

Table 5: Valley Central High School

Reference Drawing(s)	Asbestos Abatement Scope of Work Description	Estimated Quantity
VCHS-AA100	Removal & disposal of asbestos-containing floor tile.	130 SF
VCHS-AA200	Removal & disposal of asbestos-containing floor tile.	33 SF
VCHS-AA300	Removal & disposal of presumed asbestos-containing roofing materials.	50 SF

Table 6: Valley Central Middle School

Reference	Asbestos Abatement	Estimated
Drawing(s)	Scope of Work Description	Quantity
VCMS-AA100	Removal & disposal of asbestos-containing textured ceiling system. Work to include the removal of the entire ceiling system.	150 SF

Table 7: Walden Elementary School

Reference	Asbestos Abatement	Estimated
Drawing(s)	Scope of Work Description	Quantity
WES-AA100	Removal & disposal of asbestos-containing cove base mastic.	30 SF

Table 1-7 Notes

SF = Square feet

LF = Linear feet

D. GENERAL CONDITIONS

- 1. The Contractor acknowledges that the actual quantities of ACMs and PACMs shall be field-verified by the Contractor, prior to submission of bid.
- 2. The Contractor's pricing shall include costs for all labor, materials, equipment, asbestos project notifications & fees, building permits & fees, insurance, bonding, waste transportation & disposal, overhead & profit, and all other costs necessary to complete the work, as specified and shown on the abatement drawings.

- 3. All work shall be performed in accordance with the project specifications and all applicable federal, state, and local regulations. If conflicts occur between the project design documents and federal, state, and/or local regulations, the most stringent requirement shall apply. The Contractor shall comply with the following, except where more stringent requirements are shown or specified:
 - a. Federal Regulations:
 - i. OSHA 29 CFR Part 1910.1001 Asbestos
 - ii. OSHA 29 CFR Part 1910.1200 Hazard Communication
 - iii. OSHA 29 CFR Part 1910.134 Respiratory Protection
 - iv. OSHA 29 CFR Part 1910.145 Specification for Accident Prevention Signs and Tags
 - v. OSHA 29 CFR Part 1926 Construction Industry
 - vi. OSHA 29 CFR Part 1926.1101 Asbestos, Tremolite, Anthophyllite, and Actinolite
 - vii. OSHA 29 CFR Part 1926.500 Guardrails, Handrails, and Covers
 - viii. USEPA 40 CFR Part 61, Subpart A General Provisions
 - ix. USEPA 40 CFR Part 61, Subpart M Asbestos NESHAP
 - x. USEPA 40 CFR Part 763, Subpart E, Asbestos Hazard Emergency Response Act (AHERA)
 - xi. USEPA 40 CFR Part 50.6, National Primary and Secondary Ambient Air Quality Standards for Particulate Matter
 - xii. USDOT 49 CFR Part 173, Shippers-General Requirements for Shipments and Packagings
 - xiii. USDOT 49 CFR Part 177, Carriage by Public Highways
 - xiv. USDOT 49 CFR Part 178, Specifications for Packagings
 - b. New York State Regulations:
 - i. NYSDOL 12 NYCRR Part 56 "Asbestos," as amended 3/21/2007
 - ii. NYSDEC 6 NYCRR Parts 360 and 364 Waste Disposal & Transportation
 - iii. NYSDOH 10 NYCRR Part 73 Asbestos Safety Program Requirements
 - c. All Local Regulations
 - d. Standards and Guidance Documents:
 - i. American National Standard Institute (ANSI) Z88.2-80, Practices for Respiratory Protection
 - ii. ANSI Z9.2-79, Fundamentals Governing the Design and Operation of Local Exhaust Systems
 - iii. American National Standard Institute (ANSI) Z89.1, Personal Protective Equipment- Protective Headgear for Industrial Workers-Requirements (Latest Version)
 - iv. American National Standard Institute (ANSI) Z87.1, Occupational and Educational Personal Eye and Face Protection Devices

- v. USEPA 560/585-024, Guidance for Controlling Asbestos Containing Materials in Buildings (Purple Book)
- vi. USEPA 530-SW-85-007, Asbestos Waste Management Guidance
- vii. OSHA 29 CFR Part 1910, Subpart I, Appendix B Non-mandatory Compliance Guidelines for Hazard Assessment and Personal Protective Equipment Selection
- e. All applicable building and fire codes.
- 4. The Contractor accepts that multiple means of clearance criteria will be utilized for final clearance criteria based on the applicable regulatory requirements for the work performed. Final visual inspections and clearance air sampling will be utilized to determine satisfactory completion of the asbestos abatement work of this project. Phase Contrast Microscopy (PCM) or Transmission Electron Microscopy (TEM) analysis of air samples will be utilized to determine satisfactory clearance, based upon the size of each regulated work area.
- E. DISTRICT RESPONSIBILITIES
 - 1. The District shall be responsible for:
 - a. Providing sources of electricity and water at the project site, as needed, to conduct abatement activities.
 - b. Hiring an independent, third-party asbestos project monitoring / air sampling firm.
- F. CONTRACTOR RESPONSIBILITIES
 - 1. The Contractor shall be responsible for:
 - a. Performing the asbestos abatement work in accordance with all applicable federal, state, and local regulations. If conflicts occur between federal, state, and local regulations, the most stringent shall apply. As such, the Contractor shall include all necessary costs in their price to complete the work in a legal and safe manner.
 - b. Verifying all site conditions and the ACM / PACM locations, prior to submission of bid. Contractor shall immediately notify Project Designer of any discrepancies.
 - c. Providing supervisors and workers who are competent, trained, and medically-fit to conduct the asbestos abatement work, as well as all materials and equipment necessary to satisfactorily complete the work.
 - d. Performing all work under the full-time direction and on-site supervision of a competent, Asbestos Supervisor having approved training and current certification as an Asbestos Supervisor by the NYSDOL. The Supervisor shall be responsible for performing the duties of the OSHA competent person for the project and shall meet the criteria set forth by OSHA in 29 CFR 1926. Evidence of current training and NYSDOL certification shall be in the possession of the

Supervisor at all times. In the event that the Supervisor is not on-site, all abatement-related activities shall cease and work shall not commence until the Supervisor returns to the site. The Supervisor shall be capable of communicating in English and in the language(s) utilized by all members of the abatement crew.

- e. Providing workers that have received 10-Hour Construction Safety Training, as required by OSHA.
- f. Collection and analysis of personal exposure assessment air samples of their employees as required by applicable OSHA standards. The third-party asbestos project monitoring firm shall not be responsible for the collection, shipping, delivery, or analysis of the Contractor's personal exposure assessment air samples on this project.
- g. Completing the project as specified in the design documents. The Contractor accepts that the work is not complete until satisfactory final visual inspections are made and after clearance air testing results are deemed satisfactory.
- h. Packaging, transporting, and disposing of all project-related wastes generated by the work in accordance with all applicable federal, state, and local regulations.
- i. Ensuring regulated work area and restricted work area security, so that unauthorized personnel do not enter any abatement work areas.
- j. Providing emergency plans and emergency telephone numbers to on-site abatement personnel. The emergency plans and telephone numbers shall be kept on site at all times during the project.
- k. Obeying the District's policies and procedures pertaining to work on-site.
- I. Ensuring that no employee of their company speaks to the media without written permission from the District.
- m. Posting notices at all building entrances notifying of the Contractor's intent to conduct asbestos abatement, in accordance with federal and state requirements.
- n. Notifying the NYSDOL and USEPA about the asbestos abatement work and paying the associated NYSDOL notification fee.
- o. Contractor shall follow the direction of the District and Construction Manager pertaining to schedule, health / safety issues, and other site activities. The Contractor shall be responsible for the legal means and methods of performing the work in accordance with the contract.
- p. All work shall comply with the requirements set forth in the most current version of the New York State Uniform Fire Prevention and Building Code.

G. PERSONAL PROTECTIVE EQUIPMENT

1. The Contractor shall be responsible for providing their personnel with adequate personal protective equipment (PPE) to perform the work on this project as per federal and state regulations. The Contractor shall be responsible for determining and providing the appropriate level of PPE to protect their employees from all health & safety hazards present.

- 2. The Contractor shall provide all employees with the appropriate safety equipment and protective clothing to ensure an appropriate level of protection for each task, taking into consideration the chemical, physical, ergonomic, and biological hazards posed by the site and work activities.
- 3. The PPE to be utilized for the project shall be selected based upon the potential hazards associated with the project site and the work to be performed. Appropriate protective clothing shall be worn at all times within each regulated work area.
- 4. The Contractor shall provide the appropriate level of respiratory protection to all field personnel engaged in activities where respiratory hazards exist or there is a potential for such hazard to exist.
- 5. The Contractor shall provide, as necessary, protective coveralls, disposable gloves, and other protective clothing for all personnel that will be actively involved in abatement activities or waste handling activities or otherwise present in the work areas.
- 6. The Contractor will be responsible for collecting OSHA personal asbestos samples for their workers on this project. Representative samples shall be taken daily and sample results shall be posted at the personal decontamination unit within 48-hours of collection. The Contractor is responsible for providing their employees with adequate respiratory protection based upon the sample results received.
- 7. Street clothing is not permitted inside regulated work areas during abatement activities.
- 8. The Contractor is responsible for providing the Project Designer, the Project Monitor, District / District's Representatives, and state / federal inspectors with PPE upon demand and at no cost. This may include some or all of the following: protective clothing, respirators, high-efficiency particulate air (HEPA) cartridges, hard hats, gloves, eye protection, and rubber disposable boots.
- 9. Protective suits and half-face respiratory protection shall be required (at a bare minimum) during all asbestos removal activities, regardless of any negative exposure assessment data.

H. SUBMITTALS

- 1. Qualification Submittals. If requested, the following information shall be transmitted to the District / District's Representatives prior to contract award:
 - a. Contractor's Asbestos Handling License issued by the NYSDOL.
 - b. A notarized statement, signed by an officer of the company, containing the following information:
 - i. Any federal, state, or local regulatory agency citations, violations, notices, orders to comply, or penalties recorded against the asbestos abatement contractor in the last three (3) years.
 - ii. Any claims or legal proceedings in which the Contractor has been involved in the past three (3) years.

- iii. Any Occupational Safety and Health Administration (OSHA) fines and/or citations, and a list of OSHA recordable accidents per year for the last three (3) years.
- iv. Any asbestos related projects where a contract has been terminated, including project name, client, dates, and reasons for termination.
- c. A minimum of five (5) project references for projects similar in nature to this project that have been self-performed and completed in the past three (3) years including the project name and location, scope of work, client, and contact person's name, telephone number, and e-mail address.
- 2. Pre-Abatement Submittals. The following information shall be transmitted to the Project Designer at least ten (10) days prior to the commencement of work activities:
 - a. Contractor's Asbestos Handling License issued by the NYSDOL.
 - b. NYSDOL Asbestos Project Notification for each building.
 - c. USEPA Notification of Demolition & Renovation for each building.
 - d. Asbestos Project Notice to be posted at each building prior to the start of the work, as required by ICR 56-3.6.
 - e. NYSDEC waste transporter permit.
 - f. NYSDEC landfill permit, where asbestos project wastes from the sites will be disposed.
 - g. Project schedule showing phases of work for each regulated work area including, but not limited to, mobilization, work area preparation, abatement/removal, cleanings, work area dismantlement, and demobilization.
 - h. NYSDOL-approved asbestos project variance to be used on the project, if applicable.
 - i. Wastewater discharge permit required by state, county, or local municipality. If a permit is not required or will not be obtained, submit a written statement describing how wastewater from this project will be collected and disposed.
 - j. Safety Data Sheets (SDS) for all chemicals, solvents, products, and materials utilized on the project.
 - k. Manufacturer's specifications/certifications for all materials and equipment utilized on the project.
 - I. Written notifications to local fire, rescue, and emergency agencies informing them of the nature and schedule of the work at the site.
 - m. List of contact persons and emergency phone numbers for Contractor personnel to be posted at the project site.
 - n. Asbestos abatement personnel/worker documentation, including:
 - i. NYSDOL Asbestos Handling Certificates.
 - ii. NYSDOH 2832 Asbestos Training Certificates.
 - iii. Medical examinations/evaluations.
 - iv. Respirator fit test certifications.
 - v. OSHA 10-Hour Construction Safety Training certificates.

- o. The Contractor shall not proceed with any work until the pre-abatement submittals have been approved by the Project Designer.
- 3. Abatement Submittals. The following information shall be transmitted during the course of the work:
 - a. OSHA personal exposure assessment air sampling data. The District, District Representatives, and Project Designer are not responsible for the interpretation of these results. The intent is only to show that the Contractor is collecting these samples as required by OSHA.
 - b. A daily list of the personnel on-site accompanied by their NYSDOL Asbestos Handling Certificate number.
- 4. Post-Abatement / Closeout Submittals. The following information shall be transmitted within 30-days after completion of the abatement work:
 - a. Copies of all waste disposal manifests, disposal logs, and weight tickets. All <u>original</u> waste disposal records shall be submitted directly to the District by the Contractor.
 - b. Copy of Supervisor's daily project logbook as required by ICR 56-7.3 documenting all pertinent events that occur throughout the project and including the following:
 - i. Elevated air sampling results shall be noted along with the time of the work cessation, results of barrier and negative air system inspection, and a summary of any necessary repairs and the required cleaning(s).
 - ii. Manometer readings to be documented twice per work shift, if applicable.
 - iii. Daily (including days without work shifts) inspection results of negative-air ventilation system and any necessary repairs, if applicable.
 - iv. Daily (including days without work shifts) inspections of HVAC system positive pressurization and any necessary repairs, if applicable.
 - v. Daily (including days without work shifts) inspection results of barriers and any necessary repairs, if applicable. Inspections shall be twice per work shift on days with scheduled work.
 - vi. Daily testing of barriers and enclosures as per ICR 56-8.2(f) and any necessary repairs, if applicable.
 - vii. Daily cleaning of enclosures to be documented at the end of each work shift, if applicable.
 - viii. Results of each visual inspection and time of each intermediate completion, if applicable.
 - ix. Results of visual inspection by Supervisor and Project Monitor for each asbestos abatement work area prior to clearance air sampling.
 - c. Entry / exit logs for each abatement work area.
 - d. Final NYSDOL and USEPA project notifications, and any asbestos variances, if applicable.

- e. Any other submittal requested by District, District's Representatives, or Project Designer.
- 5. The District and Construction Manager shall ensure that the Contractor has met all the contractual obligations to close out this project. Failure to provide all of the requested project closeout documentation may result in the delay of payment to the Contractor. The Contractor shall not be entitled to any additional compensation caused by their failure to submit the requested closeout information in a timely manner.

PART 2 - PRODUCTS

- A. MATERIALS & EQUIPMENT
 - 1. The Contractor shall be responsible for:
 - a. Providing all materials and equipment necessary to complete the work.
 - b. Providing safe / reliable materials and equipment.
 - c. Providing personal protective equipment for all abatement personnel.
 - d. Providing HEPA-filtered air filtration devices and HEPA vacuums.
 - 2. Providing continuous negative air pressure within the regulated work area, until clearance air sampling results have been achieved.
 - 3. Utilizing barrier tape and danger signs to keep unauthorized personnel away from the work area. Danger signs shall contain the following language:

DANGER CONTAINS ASBESTOS FIBERS AVOID CREATING DUST CANCER AND LUNG DISEASE HAZARD

- 4. Utilizing airless sprayers to limit airborne dust in regulated work areas.
- 5. Utilizing flame-retardant 6-mil polyethylene sheeting for the construction of abatement work areas, decontamination units, and the lining of waste containers.
- 6. Utilizing 6-mil polyethylene bags for the containerization of all asbestos wastes.
- 7. Utilizing duct tape or approved equivalent to seal polyethylene sheeting and waste disposal bags.
- 8. Utilizing electrical equipment and power cords in compliance with all applicable OSHA standards.
- 9. Utilizing ground fault interrupters (GFIs) or ground fault circuit interrupters (GFCIs) on all power sources.
- 10. Any miscellaneous products not covered in this specification must have written approval from the Project Architect and Project Designer prior to use on-site.
- 11. Any miscellaneous products used at the site must be accompanied by manufacturer's product information and safety data sheet (SDS). This information must be

submitted to the Project Architect and Project Designer <u>prior</u> to the products arriving on site. The Contractor may not proceed until the products have been approved for use in writing by the Project Architect and Project Designer.

PART 3 - EXECUTION

A. UTILITIES

- 1. All water and electrical service connections shall be installed by the Contractor in accordance with all applicable federal, state, and local codes, rules, and regulations.
- 2. The Contractor shall be responsible for the maintenance of all electrical cords and water hoses, including keeping them secured, to prevent unnecessary tripping and/or slipping hazards.
- 3. The Contractor shall temporarily shut down / de-energize, isolate / seal, modify, and/or alter existing mechanical, HVAC, electrical, plumbing, and any other related systems, services, and utilities at the site, as required by applicable regulations, prior to the start of the asbestos abatement work. All such work shall be carefully coordinated with District representatives.
- 4. Existing mechanical, HVAC, electrical, plumbing, and all other building systems, services, and utilities within the regulated work area, that are to remain in operation post abatement, shall be adequately protected by the Contractor during all work activities.

B. DECONTAMINATION UNITS

- 1. All personal and waste decontamination units shall be constructed, installed, or otherwise provided by the Contractor to meet the requirements of ICR 56 and shall be deemed adequate by the Project Monitor prior to the commencement of any asbestos abatement preparation work.
- 2. The personal decontamination unit shall be equipped with one (1) shower per six (6) full-shift abatement workers.
- 3. Decontamination units shall be cleaned at the beginning, during, and end of each work shift. Accumulations of dirt / debris in decontamination units shall not be permitted.

C. NEGATIVE PRESSURE VENTILATION

- 1. Negative air pressure ventilation shall be installed for all OSHA Class I, Class III, and interior Class II regulated asbestos abatement work areas.
- 2. The negative air pressure equipment shall operate continuously, 24-hours a day, from startup of negative air pressure ventilation equipment through cleanup operations and clearance air sampling until satisfactory clearance air sampling results are obtained.

- 3. If more than one (1) primary HEPA-filtered ventilation unit is installed, the units shall be turned on one at a time and the integrity of temporary hard-wall isolation barriers checked for secure attachment. A minimum of one (1) additional negative air pressure ventilation unit, having a capacity of at least equal to that of the primary unit, shall be installed as a backup unit to be used upon primary unit failure and during primary unit filter changes.
- 4. Negative air pressure ventilation equipment shall be installed and operated continuously to provide at least four (4) air changes per hour in the regulated work area including during clearance air sampling.
- 5. The exhaust shall be vented to the outside of the building or structure, to a controllable area away from public access. Each negative pressure ventilation unit exhaust duct shall not terminate less than 15-feet from a receptor or adversely affect the air intake of any building or structure. If the exhaust duct termination location cannot be met due to allowable space restrictions or the regulated abatement work area being located above the ground floor, the exhaust shall terminate at the exterior of the building or structure, and all receptors within 15-feet of the exterior exhaust duct termination location shall be plasticized with two (2) layers of 6-mil polyethylene. Exhaust tubes may be grouped together in banks of no more than five (5) tubes, with each tube exhausting separately and the bank of tubes terminating together at the same controlled area.
- 6. Construction fence at a height of 4-feet with appropriate signage shall be installed a minimum of 10-feet from the end of the exhaust duct tube or bank of duct tubes to surround and control the area from public access. For ground level exhaust duct terminations at the immediate exterior of the building / structure, the fence shall be installed at the tube discharge location.
- 7. Manometers shall be used to document the pressure differential for all OSHA Class I large and small size regulated asbestos abatement work areas. A minimum of -0.02 column inches of water pressure differential, relative to pressure outside the regulated work area, shall be maintained within the regulated work area, as evidenced by manometric measurements. Once installed, on a daily basis and at least twice per work shift, the Contractor shall document the manometer readings in the daily project log. The manometer shall be installed and made operational once negative air ventilation has been established in the regulated work area. At a minimum, magnahelic manometers shall be calibrated semi-annually, and a copy of the current calibration certification shall be posted at the work site, as required by ICR 56.
- 8. The Contractor shall be responsible for the following:
 - a. Monitoring of negative air pressure equipment and records of the daily manometer readings in the supervisor's project log.
 - b. Stoppage of activities when negative air pressure is lost or is less than required. The Contractor shall not resume activities until constant negative air pressure is has been reestablished and maintained for at least 30-minutes.

D. PRE-CLEANING ACTIVITIES

- 1. Pre-cleaning of the regulated work area shall be conducted in accordance with ICR 56 requirements.
- 2. The Contractor shall request a visual inspection by the Project Monitor to ensure that regulated work areas have been satisfactorily pre-cleaned prior to commencement of work area preparation activities.

E. CRITICAL & ISOLATION BARRIERS

- 1. After the pre-cleaning activities are completed, the Contractor shall install critical barriers and isolation barriers in accordance with ICR 56 requirements.
- 2. Critical / isolation barriers shall be constructed to seal off all openings and penetrations to regulated work areas including, but not limited to, operable windows and skylights, doorways and corridors that shall not be used for passage, ducts, grilles, diffusers, HVAC system seams, and any other penetrations to surfaces within the regulated work areas. Critical barriers shall be constructed using two (2) independent layers of 6-mil fire-retardant plastic sheeting, with each layer sealed separately with duct tape. Caulk and fire-retardant expandable foam may be used to seal small openings or penetrations. Doorways and corridors, which shall not be used for passage during the asbestos abatement work, shall also be sealed.
- 3. Temporary hard-wall barriers to complete containments/enclosures and establish regulated work areas shall be constructed using the following framing, sheathing, sealing, and plasticizing criteria:
 - a. Isolation barrier partitions shall be constructed of wood or metal framing in all openings greater than 32 square feet except, where any one dimension is one (1) foot or less, framing is not required. Existing walls or framing may be used to support isolation barrier partition framing and sheathing.
 - b. Plywood or oriented strand board (OSB) sheathing of at least ³/₈-inch thickness shall be fastened to the regulated work area side of the barrier partition.
 - c. Edges of the isolation barrier partition at the floor, ceiling, walls, and fixtures and seams within the partition sheathing shall be sealed using caulk, fire-retardant expandable foam, or tape to form an airtight seal.
 - d. The regulated work area side of isolation barrier partitions shall be covered with two (2) layers of 6-mil fire-retardant plastic sheeting with staggered joints and sealed airtight.
- 4. Smoke testing shall be conducted by the Contractor prior to the start of abatement activities and at least once a day thereafter until satisfactory clearance air sampling results have been obtained to ensure the effectiveness of all critical barriers, isolation barriers, personal and waste decontamination system enclosures, and regulated work area enclosures. Negative air pressure ventilation units shall be in operation during this testing. Testing of barriers and enclosures is not required on days when

there are no Phase IIB or cleaning activities scheduled. Test results, observations and any modifications shall be documented in the daily project log by the asbestos abatement supervisor.

5. The Contractor shall inspect all barriers at least twice daily - before the start of and following the completion of each day's abatement activities. Inspections are also required on days when there is no Phase II work or support activities scheduled. Inspections and observations shall be documented in the daily project log by the asbestos abatement supervisor.

F. ASBESTOS HANDLING & CLEANING ACTIVITIES

- 1. The Contractor shall conduct all asbestos abatement activities in accordance with ICR 56 or a NYSDOL-approved site-specific variance.
- 2. Negative air machines shall be utilized at all regulated work areas, until satisfactory air sample results have been achieved.
- 3. All asbestos materials shall be removed using wet methods. Dry removal, sweeping, wire brushing, use of pressurized water/pressurized air, or other inappropriate techniques will not be permitted.
- 4. Airless sprayers shall be utilized to control airborne asbestos fiber concentrations.
- 5. The Contractor is responsible for taking appropriate measures to reduce nuisance odors and noise from migrating to other areas of the building.
- 6. Waste shall be immediately bagged and be transported to the waste decontamination enclosure. Waste bags shall then be cleaned in the waste decontamination enclosure, double-bagged, labeled, and transported to the waste dumpster, trailer, etc.
- 7. Waste bag transfer shall take place inside a cart that has been lined with two (2) layers of 6-mil polyethylene. This cart shall be covered by polyethylene during any waste transfer activities and be labeled with appropriate asbestos signage.
- 8. Workers shall wear PPE during work area preparation, abatement activities, cleaning, and during any other work area activities until final air clearance criteria has been achieved.
- 9. The Contractor shall be responsible for providing the Project Monitor / Air Sampling Technician with sufficient power to conduct air sampling at the project site. The Contractor shall also provide the Project Monitor / Air Sampling Technician with access to the decontamination unit and hot water on days when clearance air sampling is required (even when abatement work is not taking place).

G. WASTE DISPOSAL

- 1. The Contractor shall ensure that all asbestos waste / debris is sufficiently wet prior to being bagged / containerized for disposal.
- 2. Bags, drums, or other acceptable packages / containers used for asbestos waste shall be labeled with appropriate asbestos waste generator tags / labels.

- 3. Two (2) 6-mil polyethylene bags or two (2) layers of 6-mil polyethylene sheeting shall be utilized for the disposal of all asbestos waste.
- 4. A daily count of asbestos waste bags, drums, containers, etc. shall be recorded by the Supervisor.
- 5. All asbestos waste generated by the work shall be sent to a properly permitted landfill or disposal facility. Waste documentation (i.e. waste manifests, bill-of-ladings, etc.) shall be promptly returned to the District within ten (10) days of waste leaving the project site.
- 6. Vehicles used for the transport of all asbestos waste shall bear all appropriate permit tags, markings, and placards.
- H. INSPECTIONS
 - 1. The Contractor shall not interfere, impede, or delay any inspections by the District, District Representatives, Project Designer, Project Monitor, or federal, state, or local inspectors.
 - 2. The Contractor shall request inspections from the Project Monitor at the following intervals, as applicable to the project:
 - a. Upon completion of the preparation of the work area.
 - b. Upon completion of the abatement and final cleaning process.
 - 3. The Supervisor shall be responsible for adequately documenting these inspections in their daily project logbook.
- I. ASBESTOS PROJECT MONITORING / AIR SAMPLING
 - 1. The Contractor shall not include any costs in their price for project monitoring or air sampling. The selection and payment of the Project Monitoring / Air Sampling firm shall be the responsibility of the District.
 - 2. The Project Monitor / Air Sampling Technician will be responsible for the following:
 - a. Conducting air sampling as required by federal and state asbestos regulations.
 - b. Conducting a visual inspection for completeness of abatement and completeness of cleanup as per the provisions of the current ASTM Standard E1368 "Standard Practice for Visual Inspection of Asbestos Abatement Projects." An entry shall be made into the daily project log by both the Supervisor and Project Monitor performing the inspection, detailing the findings. The full name and NYSDOL asbestos handling certificate number of the Project Monitor performing the inspection shall also be documented in the Supervisor's daily project logbook.
 - 3. The Contractor understands that the Project Monitor has been retained by the District to oversee the asbestos abatement work and that the District has authorized the Project Monitor to stop the Contractor's work if the Contractor is not following the contract documents or applicable codes, rules, and regulations. Work shall only be permitted to commence if allowed by the District after corrective actions have

been made. The Contractor acknowledges that it is their responsibility to follow all applicable rules and regulations and failure to do so may result in lost time and/or dismissal from site at no cost to the District, Project Designer, or Project Monitor. The Contractor shall not be compensated for any lost time, labor, materials, etc., due to inappropriate actions or behaviors.

END OF SPECIFICATION 028213

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APP 1B - Limited Hazardous Materials Pre-Renovation Survey Report - East Coldenham Elementary School

APP 1C - Limited Hazardous Materials Pre-Renovation Survey Report - Maybrook Alternative Learning Center (formally Maybrook Elementary School)

APP 1D - Limited Hazardous Materials Pre-Renovation Survey Report - Montgomery Elementary School

APP 1E - Limited Hazardous Materials Pre-Renovation Survey Report - Valley Central High School

APP 1F - Limited Hazardous Materials Pre-Renovation Survey Report - Walden Elementary School

APP 1G - Limited Hazardous Materials Pre-Renovation Survey Report - Valley Central Middle School

END OF SECTION

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

10/18/24 **ISSUED FOR BID:**

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

-Berea Elementary School

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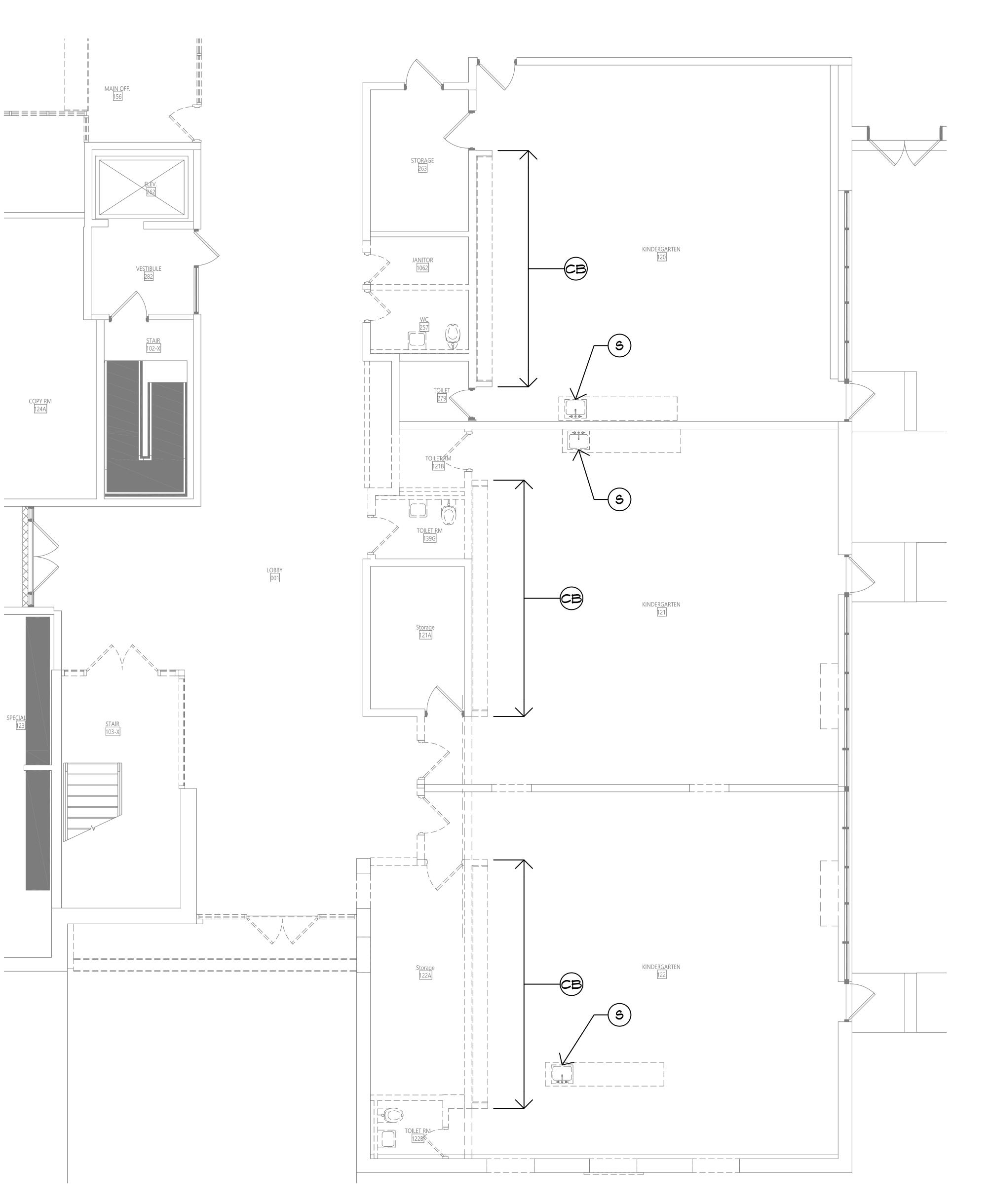




- 1. CONTRACTOR TO PROTECT THEIR EMPLOYEES WITH ADEQUATE PERSONAL PROTECTIVE EQUIPMENT AT ALL TIMES, WHEN PERFORMING WORK ON THIS PROJECT.
- 2. DISTRICT TO PROVIDE A WATER SUPPLY AND AN ELECTRICAL POWER SOURCE ON THIS PROJECT TO CONDUCT WORK ACTIVITIES. CONTRACTOR TO PROVIDE ALL INTERCONNECTS FOR WATER/POWER 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 (12) 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 RESPONSIBLE FOR HIRING THE PROJECT MONITORING THIS PROJECT. THE CONTRACTOR SHALL FIRM ON THE SELECTED FIRM'S PERSONNEL AS THE RECOGNIZE 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.



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

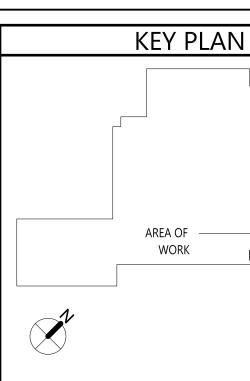


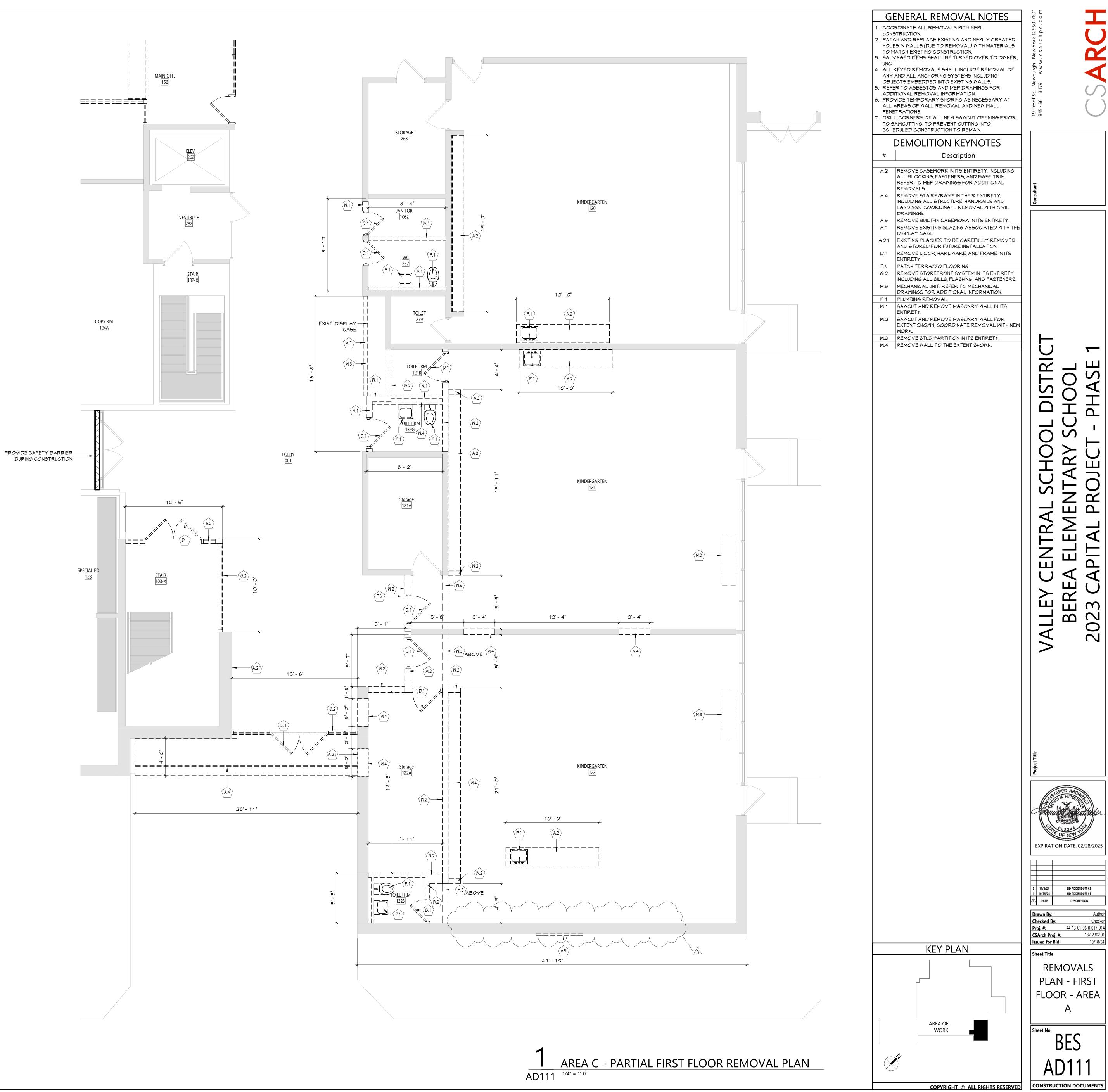


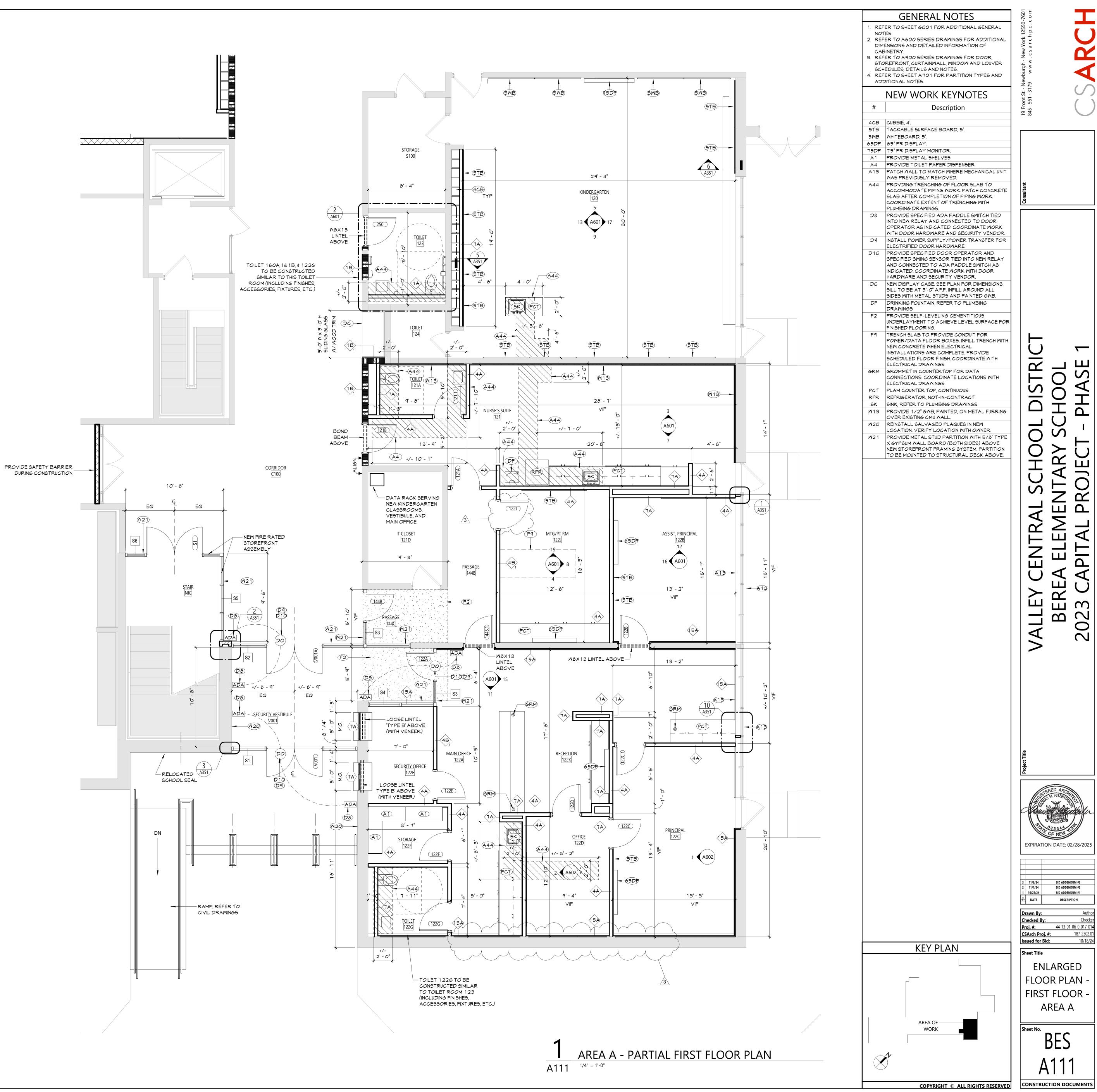
PRESUMED ASBESTOS-CONTAINING CAULK/CORK BOARD MASTIC TO BE REMOVED (APPROX, 300 SF)

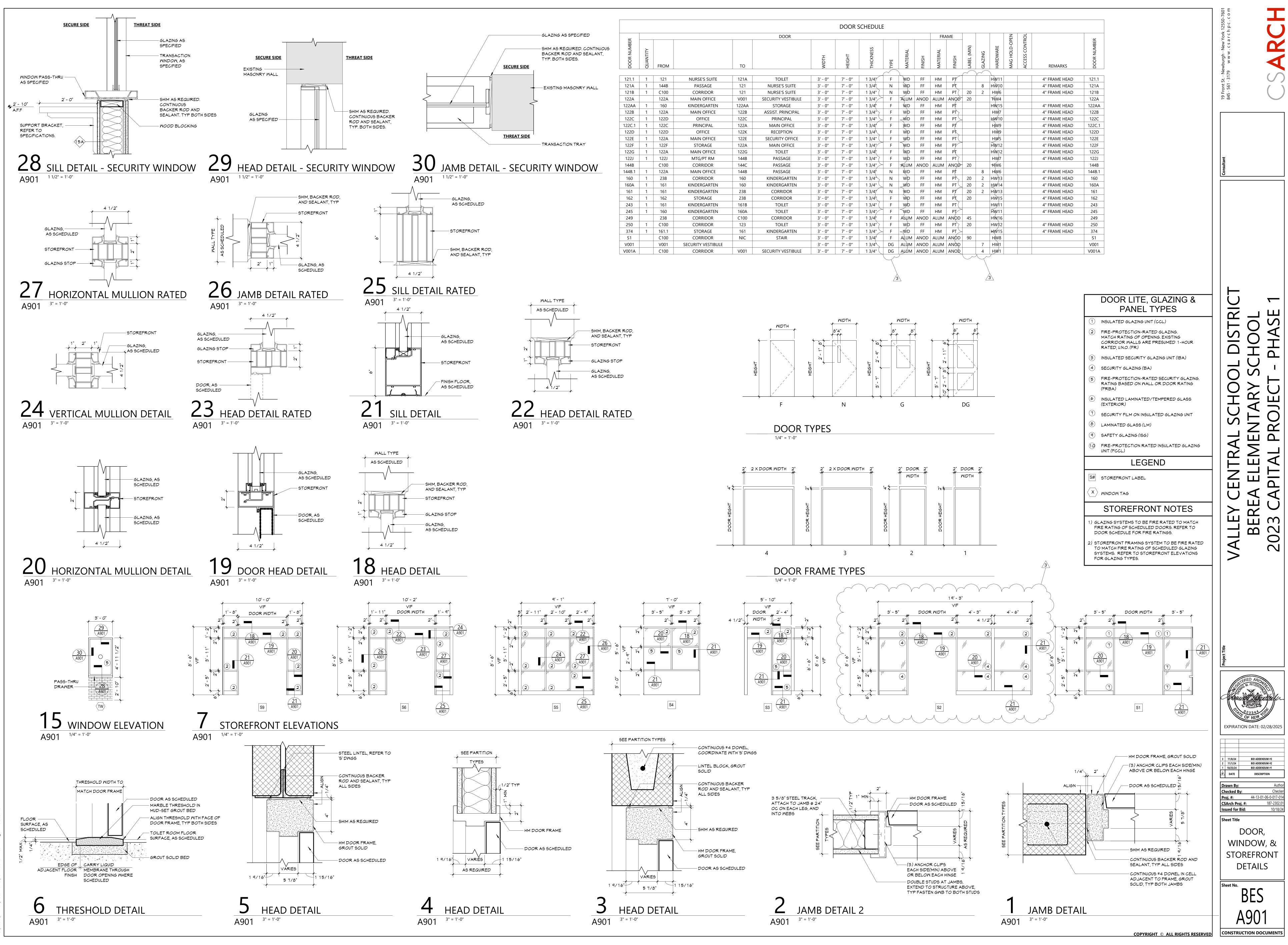












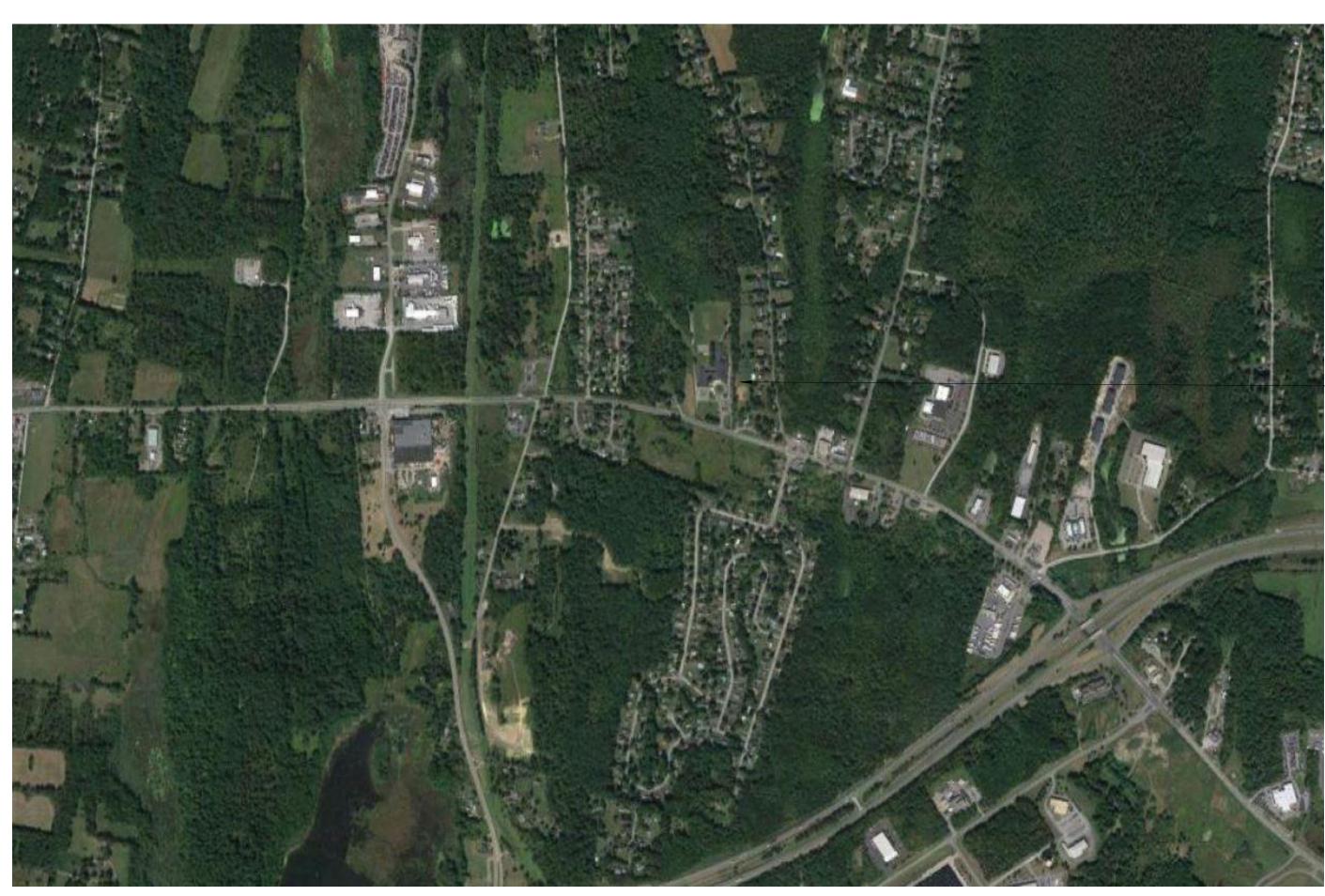
VALLEY CENTRAL SCHOOL DISTRICT EAST COLDENHAM ELEMENTARY SCHOOL 2023 CAPITAL PROJECT - PHASE 1

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 44-13-01-06-0-013-019 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

East Coldenham Elementary 286 NY-17K Newburgh, NY 12550



GENERAL DRAWINGS ECES G001 LIFE SAFETY DRAWINGS

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 ECES A901 DOOR, WINDOW, & STOREFRONT DETAILS

ARCHITECTURAL FINISH DRAWINGS SIGNAGE TYPES AND SCHEDULE

MECHANICAL GENERAL DRAWINGS ECES M001 MECHANICAL NOTES, LEGENDS, SCHEDULES & DETAILS

MECHANICAL DEMOLITION DRAWINGS ECES MD111 MECHANICAL DEMOLITION PLAN

MECHANICAL DRAWINGS

ELECTRICAL GENERAL DRAWINGS ECES E001 ELECTRICAL NOTES, LEGENDS, DETAILS & SCHEDULES

ELECTRICAL DEMOLITION DRAWINGS ECES ED111 ELECTRICAL DEMOLITION PLAN

ELECTRICAL DRAWINGS ECES E111 ELECTRICAL PLAN



DRAWING LIST

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

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

ECES M111 MECHANICAL PLAN

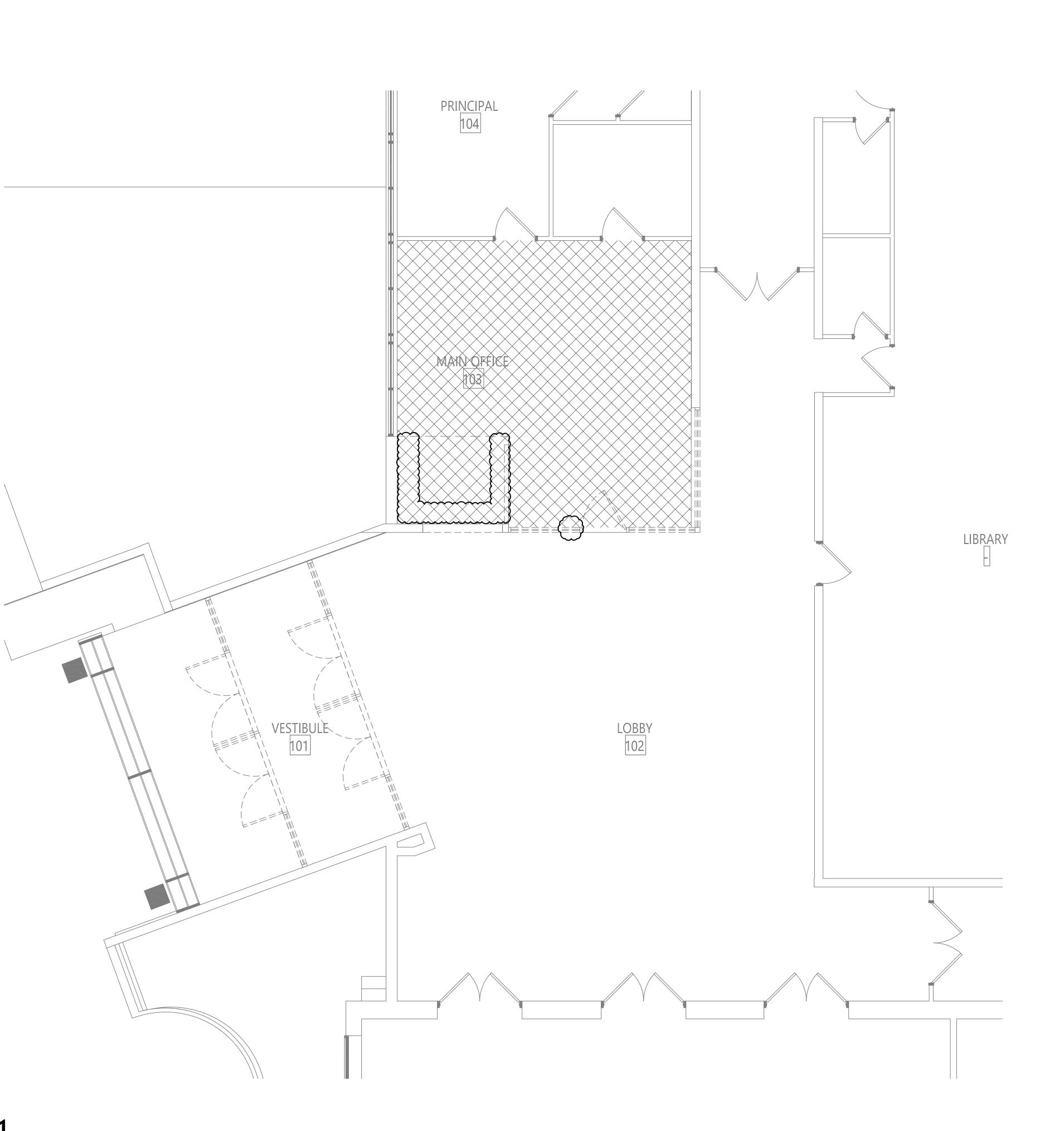
EXPIRATION DATE: 02/28/2025



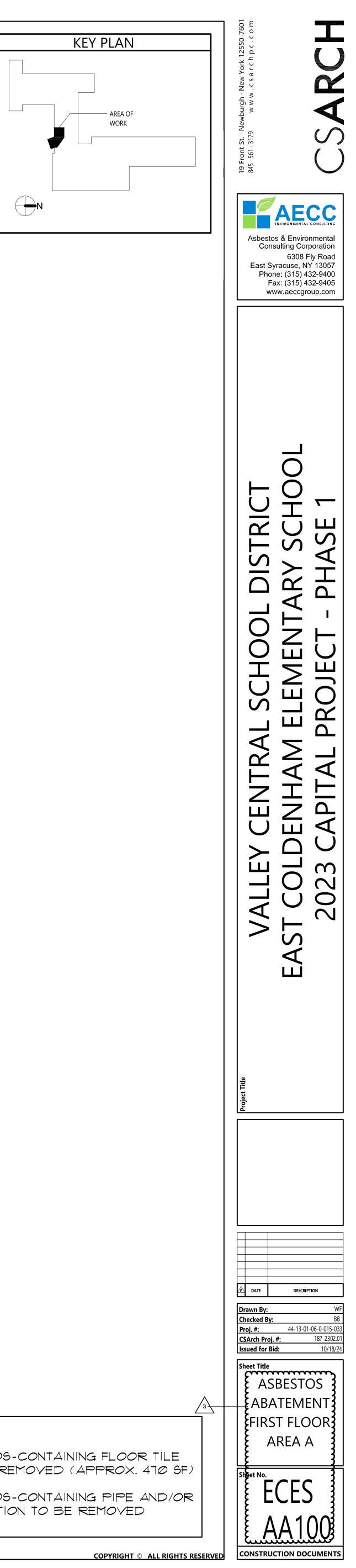
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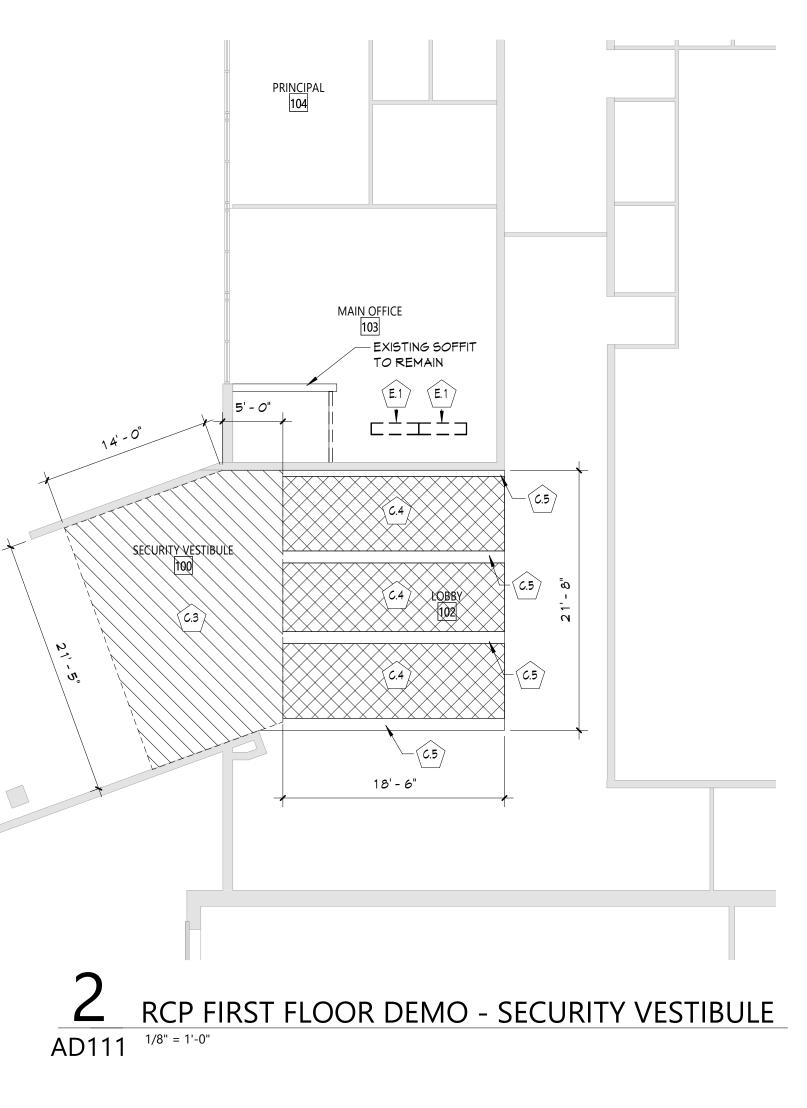
AREA A - PARTIAL FIRST FLOOR ABATEMENT PLAN AA100 1/4" = 1'-0"



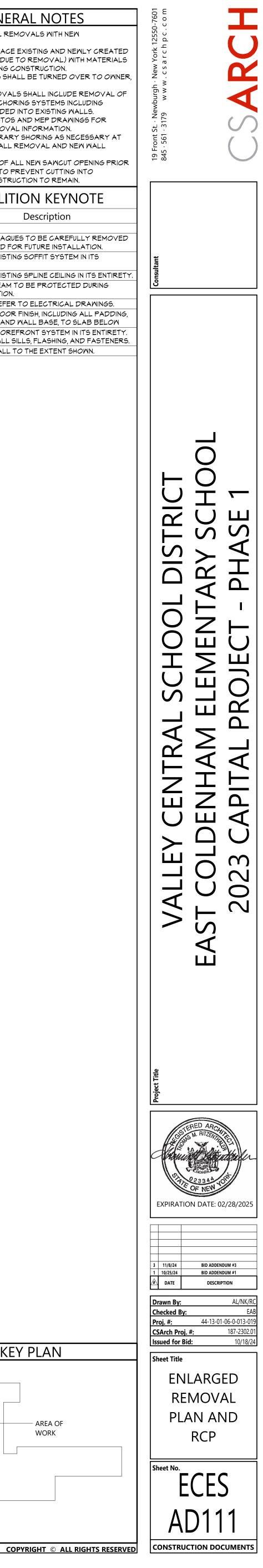
LEGEND:

XXXX PRESUMED ASBESTOS-CONTAINING FLOOR TILE \bigcirc AND MASTIC TO BE REMOVED (APPROX, 410 SF)

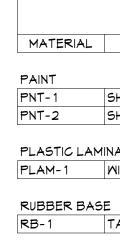
PRESUMED ASBESTOS-CONTAINING PIPE AND/OR PIPE FITTING INSULATION TO BE REMOVED (APPROX. 20 LF)

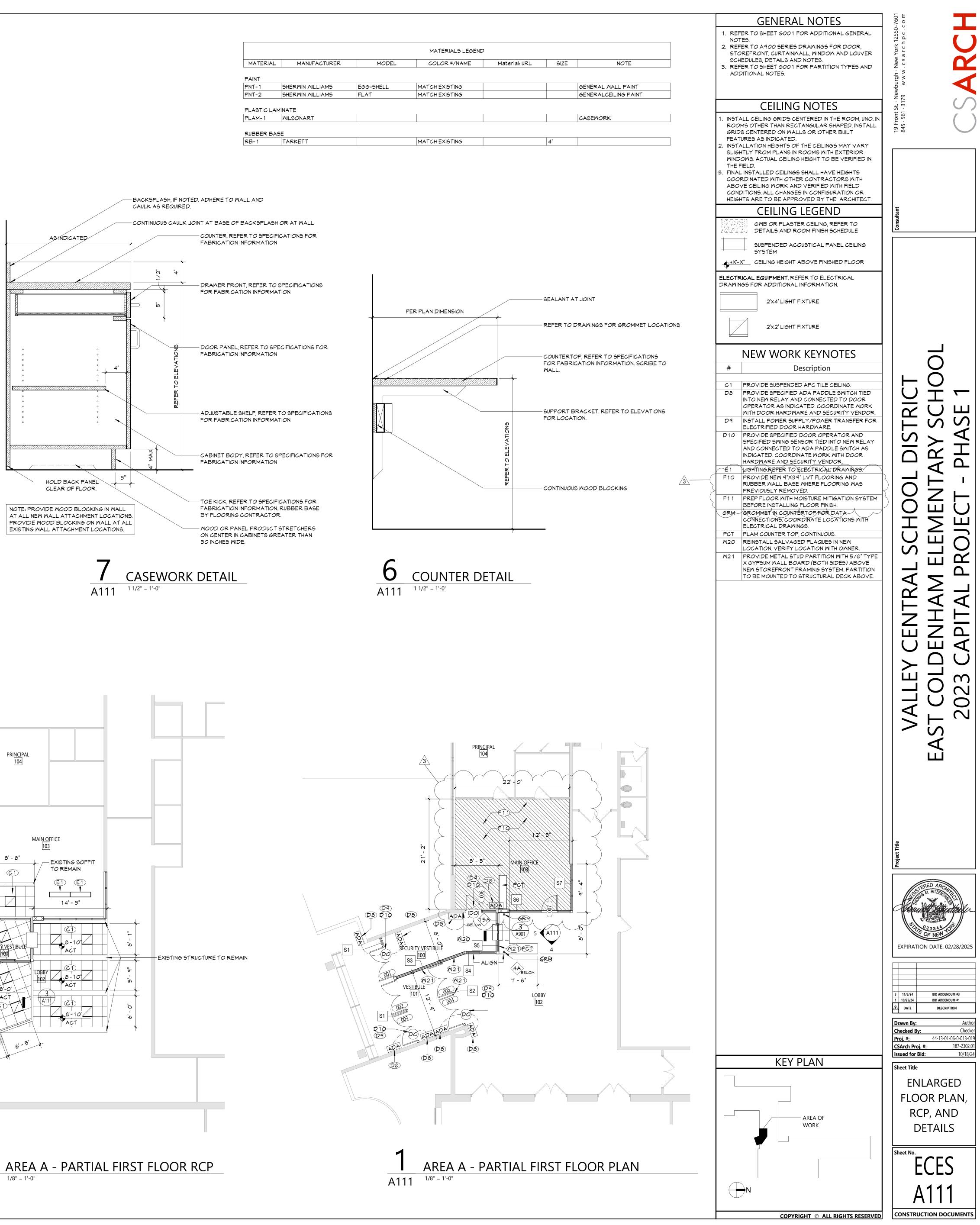


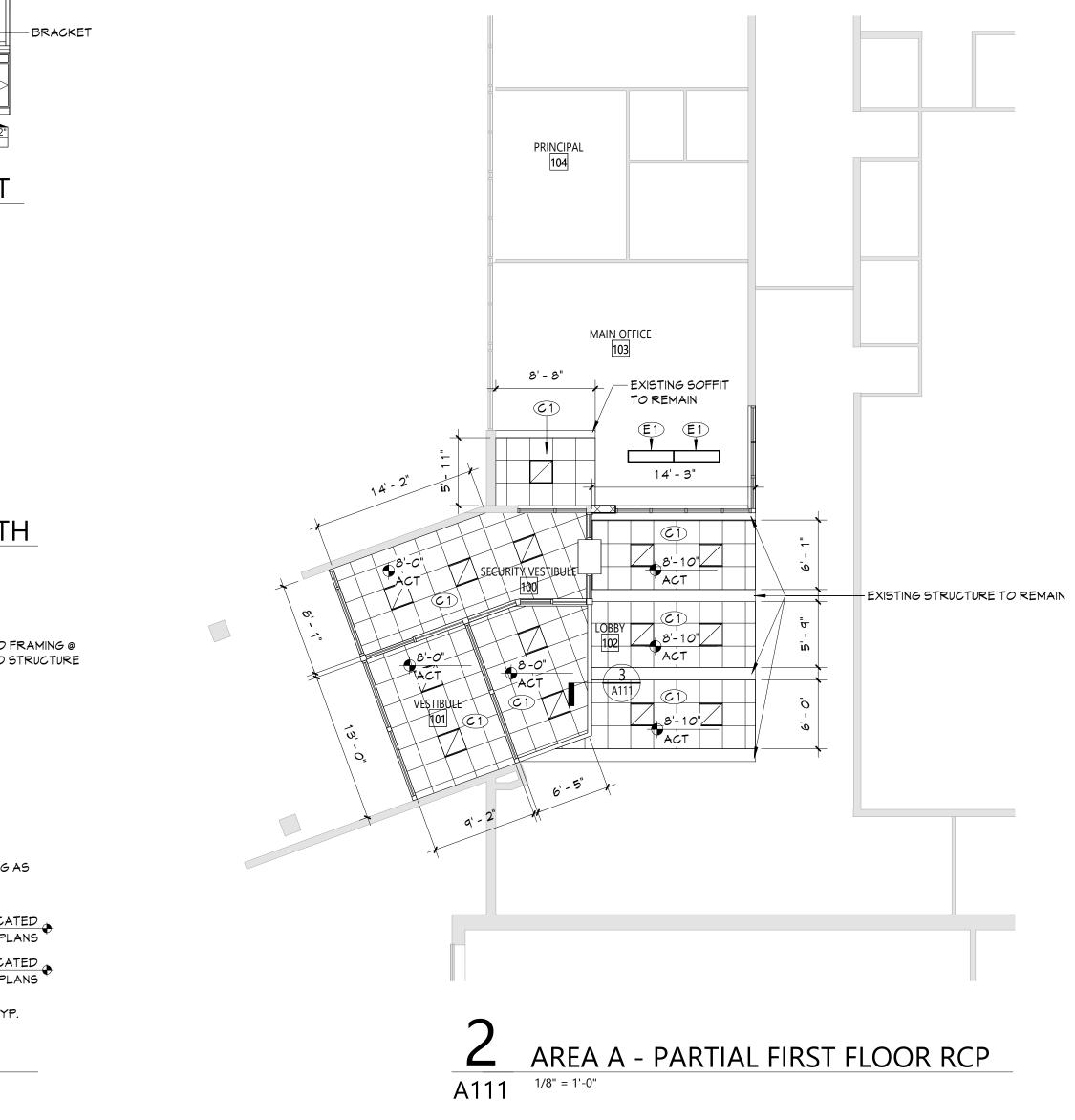
			GENERAL
			 COORDINATE ALL REMOVALS CONSTRUCTION. PATCH AND REPLACE EXISTIN HOLES IN WALLS (DUE TO REM TO MATCH EXISTING CONSTRU 3. SALVAGED ITEMS SHALL BE T UNO
			 ALL KEYED REMOVALS SHAL ANY AND ALL ANCHORING SY OBJECTS EMBEDDED INTO EX 5. REFER TO ASBESTOS AND ME ADDITIONAL REMOVAL INFOR 6. PROVIDE TEMPORARY SHOR
			ALL AREAS OF WALL REMOV, PENETRATIONS. 7. DRILL CORNERS OF ALL NEW TO SAWCUTTING, TO PREVENT SCHEDULED CONSTRUCTION T
			A.27 EXISTING PLAQUES TO B
			AND STORED FOR FUTUR C.3 REMOVE EXISTING SOFF ENTIRETY. C.4 REMOVE EXISTING SPLIN C.5 EXISTING BEAM TO BE P CONSTRUCTION.
			E.1 LIGHTING. REFER TO ELE F.1 REMOVE FLOOR FINISH, ADHESIVES AND WALL E G.2 REMOVE STOREFRONT INCLUDING ALL SILLS, FL W.4 REMOVE WALL TO THE E
PRINCIPAL 104			
N - N N N N N N N N N N N N N OFFICE F. F.			
	Λ(4 (6.2) σ (1.4'-4"		
$F = \frac{1}{6.2}$	6.2		
	LOBBY 102		
			KEY PL
			AF W
1 DEMOLITION AD111 ^{1/8" = 1'-0"}	N PLAN - FIRST FLO	OR - AREA A	
			COPYRIGH

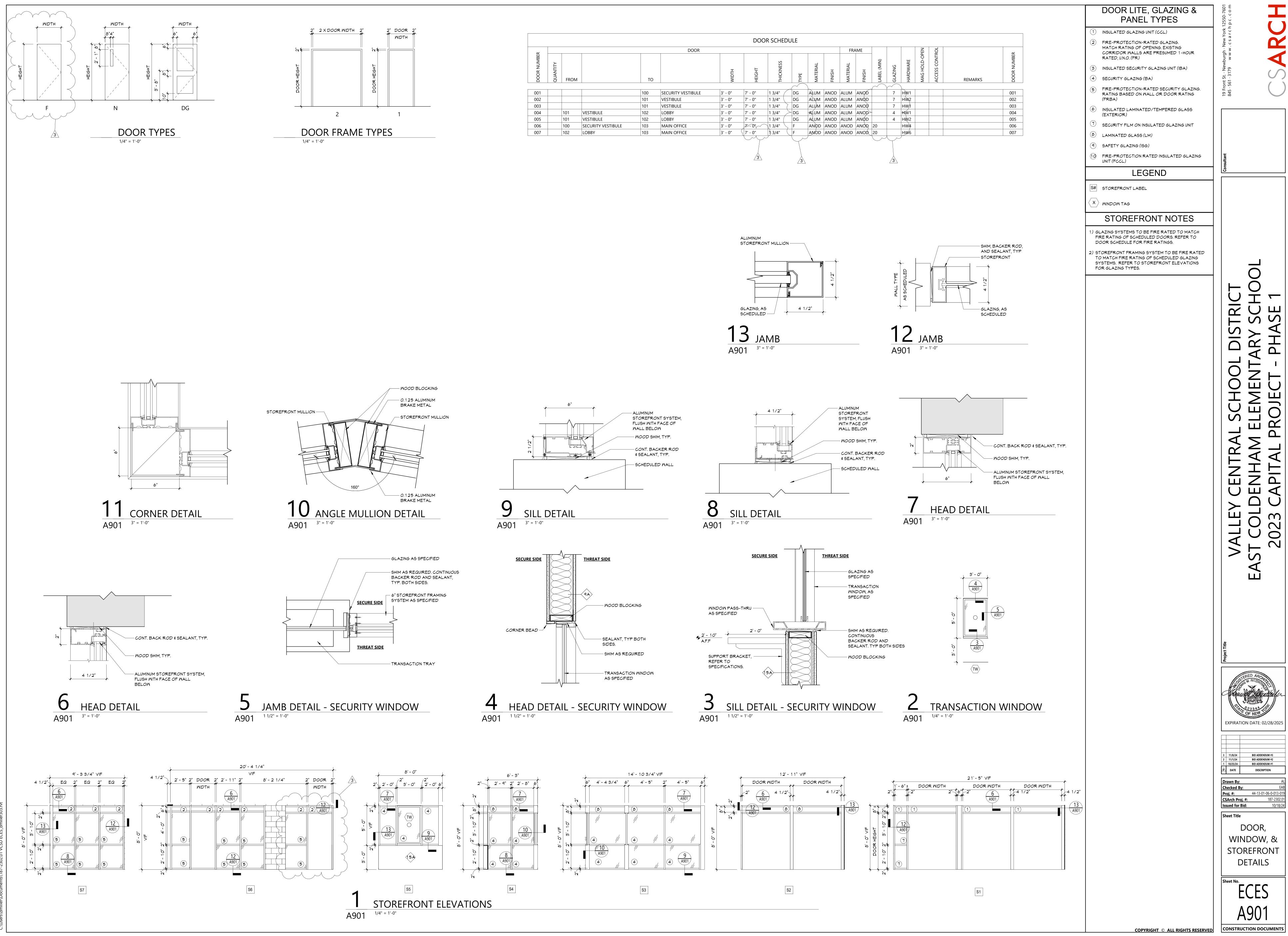


DISCLAIMER NOTE	GENERAL NOTES
MANUFACTURER'S NAMES AND FINISH INFORMATION ARE INDICATED AS REFERENCED TO THE ARCHITECT'S BASIS- OF-DESIGN SELECTIONS AND HAVE BEEN DETERMINED	 ALL CASEWORK SHALL HAVE PLASTIC LAMINATE (PLAM) COUNTERTOPS AND 4" BACK SPLASHES, UNO. INSTALL MATCHING FILLER PANELS IN LOCATIONS
PRIOR TO BID. THE CONTRACTOR AND OWNER ARE HEREBY NOTIFIED THAT FINISHES INSTALLED IN THE WORK	SHOWN. ADD MATCHING FILLER PANELS AS REQUIRED FOR FINAL FIT/FINISH.
ARE SUBJECT TO CHANGE IN RESPONSE TO SUBMITTALS, CONFIRMED SELECTIONS, PRODUCT AVAILABILITY AND	3. PROVIDE BLOCKING IN ALL ADJACENT WALLS AS REQUIRED TO INSTALL ALL CASEWORK.
THE SUBSEQUENT COORDINATION OF FINISHES BY ARCHITECT AND MAY DIFFER FROM PRODUCTS LISTED	4. PROVIDE FINISHED END PANEL AT ALL EXPOSED FACES OF CASEWORK.
ABBREVIATIONS	5. PROVIDE WALL BASE AS SCHEDULED ON ALL EXPOSED TOE KICK SPACES AND EXPOSED END PANELS.
ACMU ARCHITECTURAL CONCRETE MASONRY UNIT	CASEWORK NOTES
ACT ACOUSTICAL CEILING TILE APC ACOUSTICAL PANEL CEILING BBT BIO-BASED TILE	WIDTH OF CASEWORK
BRK BRICK CFT CERAMIC FLOOR TILE	HEIGHT OF CASEWORK
CMU CONCRETE MASONRY UNIT CONC CONCRETE	DEPTH OF CASEWORK
CPT CARPET CTB CERAMIC TILE BASE CWT CERAMIC WALL TILE	W"H"D" XX XXXX - AWI DESIGN NUMBER (INDICATES ELEVATION LAYOUT ONLY, REFER TO DETAILS AND
ETR EXISTING TO REMAIN EXP EXPOSED	SPECIFICATIONS FOR CASEWORK CONSTRUCTION REQUIREMENTS)
EXST EXISTING FAC/FF FACTORY FINISH	TYPE OF CASEWORK PL = PLASTIC LAMINATE
GWB GYPSUM WALL BOARD LMC LINEAR METAL CEILING	M = METAL W = WOOD
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	
SSSTAINLESS STEELSTFSYNTHETIC TURF FLOORINGSTLSTEEL	
TERR TERRAZZO TP TOILET PARTITIONS	
TYP TYPICAL VCT VINYL COMPOSITION TILE	
VCTASVINYL COMPOSITION TILE ANTI-STATICVWCVINYL WALLCOVERINGWAFWOOD ATHLETIC FLOORING	
MD WOOD MOM 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	
4. 4. ALL NEW GWB CEILINGS, FASCIAS, AND SOFFITS TO	
BE PAINTED PNT-2. 5. ALL EXPOSED GROUND FACE CMU LOCATIONS TO	
5. ALL EXPOSED GROUND FACE CMU LOCATIONS TO RECEIVE GRAFFITI COATING, TYPICAL FOR INTERIOR LOCATIONS.	
FINISH KEYS	
Room Name	
101 Wall Finish Base Finish = Finish Tag	
Floor Finish	
PNT-# ACCENT PAINT LOCATION	
	24"[24"]32" PL
	5 LOBBY ELEVATION - WEST
	A111 ^{1/4" = 1'-0"}
	24"18"32" PL BRACKET
	4 LOBBY ELEVATION - SOUT
	4 LOBBY ELEVATION - SOUT A111 1/4" = 1'-0"
	4 LOBBY ELEVATION - SOUT A111 1/4" = 1'-0"
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	4 LOBBY ELEVATION - SOUT A111 ^{1/4" = 1'-0"} BOTTOM OF DECK ABOVE 3 5/8" METAL STUD 16" OC, EXTEND TO
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	A LOBBY ELEVATION - SOUT A111 1/4" = 1'-0" BOTTOM OF DECK ABOVE 3 5/8" METAL STUD 16" OC, EXTEND TO ABOVE HANGER MIRE
	A LOBBY ELEVATION - SOUT A111 1/4" = 1'-0" BOTTOM OF DECK ABOVE 3 5/8" METAL STUD 16" OC, EXTEND TO ABOVE HANGER WIRE 5/8" GAB
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	A LOBBY ELEVATION - SOUT A111 1/4" = 1'-0" BOTTOM OF DECK ABOVE BOTTOM OF DECK ABOVE BOTTOM OF DECK ABOVE BOVE HANGER WIRE 5/8" METAL DIAGONAL BRACING @ 16" OC TO STRUCTURE ABOVE, EVERY OTHER STUD
	AFF HT AS INDICATED
	AFF HT AS INDICATED ON FLANS SCHEDULED
	AFF HT AS INDICATED ON PLANS SCHEDULED
	4 EL AT11 1/4" = 1'-0" BOTTOM OF DECK ABOVE 16' OC, EXTEND TO ABOVE HANGER MIRE 5/8" METAL DIAGONAL BRACING @ 16' OC TO STRUCTURE ABOVE, EVERY OTHER STUD AFF HT AS INDICATED ON FLANS SUSPENDED CELLING AS SCHEDULED ON FLANS CONRNER BEAD, TY
	4 LOBBY ELEVATION - SOUT A111 1/4" = 1-0"
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VALLEY CENTRAL SCHOOL DISTRICT MONTGOMERY 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 44-13-01-06-0-004-015 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



- Montgomery Elementary School 141 Union St Montgomery, NY 12549

	DRAWING LIST
GENERAL DR	AWINGS
MES G000	COVER & SHEET INDEX
MES G001	
MES G111	OVERALL FLOOR PLAN - FIRST FLOOR
LIFE SAFETY [DRAWINGS
MES LS111	FIRST FLOOR LIFE SAFETY PLAN
MES LS112	SMOKE ZONE PLANS
HAZARDOUS	MATERIALS DRAWINGS
MES AA100	ASBESTOS ABATEMENT FIRST FLOOR AREA C
ARCHITECTU	RAL DEMOLITION DRAWINGS
MES AD111	ENLARGED REMOVAL PLAN - FIRST FLOOR - AREA C
_	ENLARGED NEW WORK PLAN - FIRST FLOOR - AREA C
	EXTERIOR ELEVATIONS
	EXTERIOR ELEVATIONS
	REFLECTED CEILING PLAN - FIRST FLOOR - AREA C
MES A901	DOOR, WINDOW, & STOREFRONT DETAILS
ARCHITECTU	RAL FINISH DRAWINGS
	SIGNAGE TYPES AND SCHEDULE
	MATERIAL SCHEDULE & FLOOR FINISHES PLAN - AREA C
	ENERAL DRAWINGS
MES P001	PLUMBING NOTES, SCHEDULE, LEGEND & DETAILS
PLUMBING D	RAWINGS
	PLUMBING PLANS
MECHANICAI	L GENERAL DRAWINGS
MES M001	MECHANICAL NOTES, LEGENDS, SCHEDULES & DETAILS
MECHANICAL	L DEMOLITION DRAWINGS
MES MD111	MECHANICAL DEMOLITION PLAN
	DRAWINCS
MES MITT	MECHANICAL PLAN
	SENERAL DRAWINGS
MES E001	ELECTRICAL NOTES, LEGENDS, SCHEDULES & DETAILS
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	DEMOLITION DRAWINGS
MES ED111	ELECTRICAL DEMOLITION PLAN
ELECTRICAL D	DRAWINGS

3

MES E111 ELECTRICAL PLAN



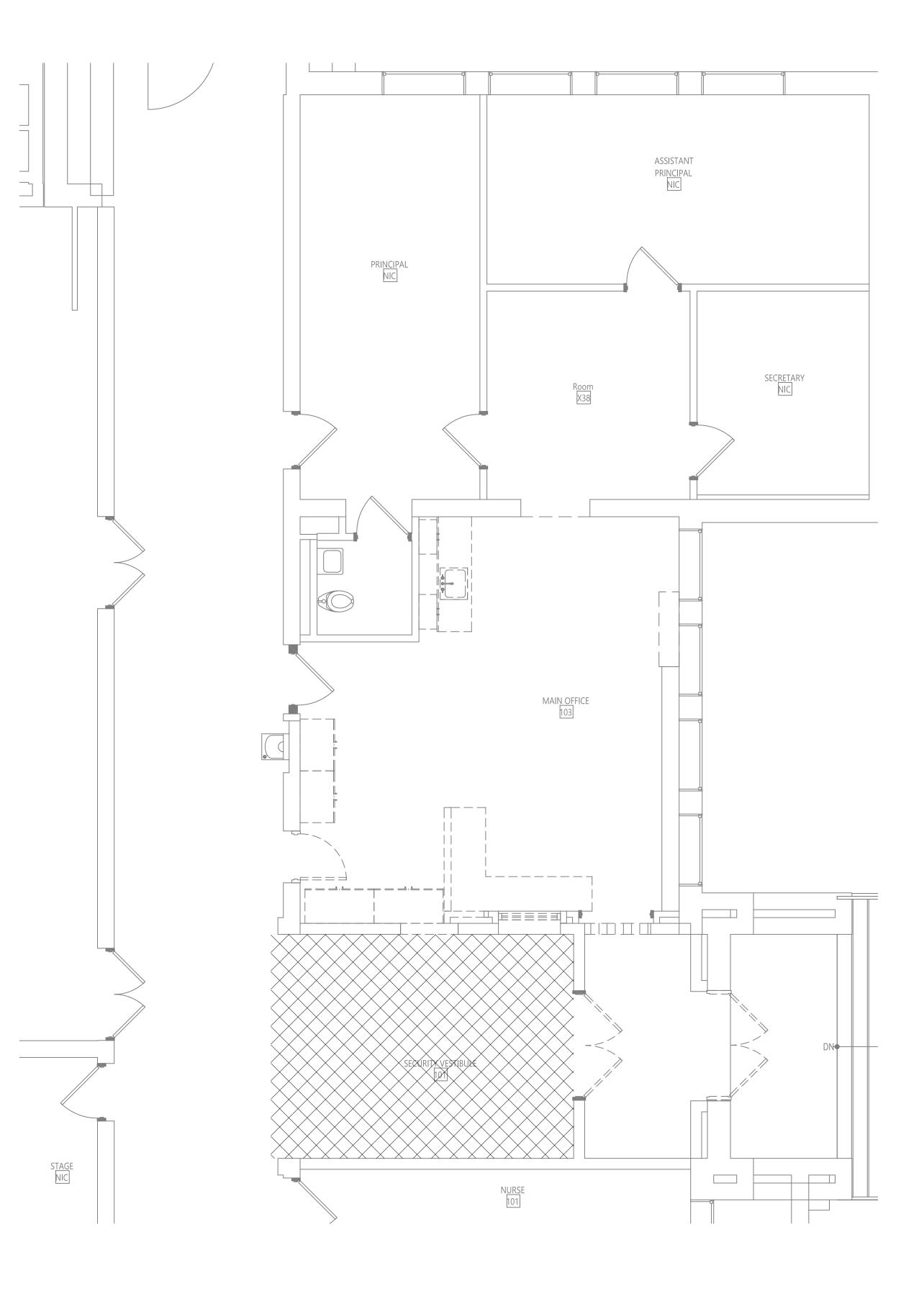
EXPIRATION DATE: 02/28/2025



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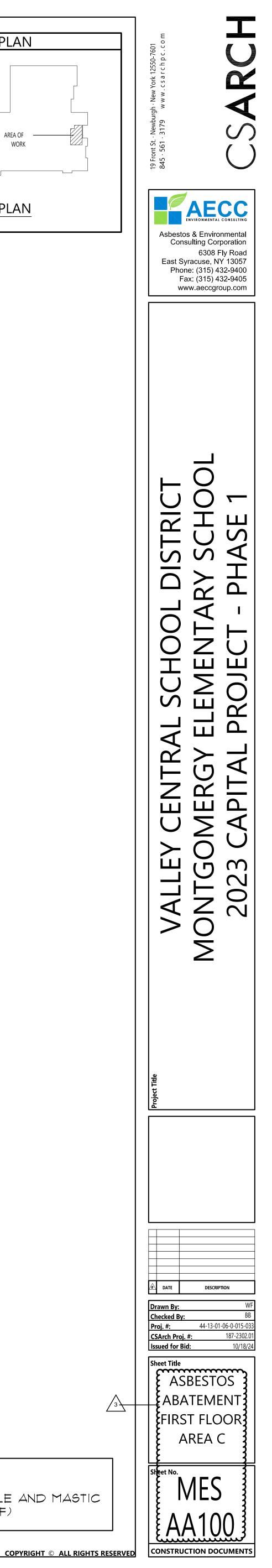


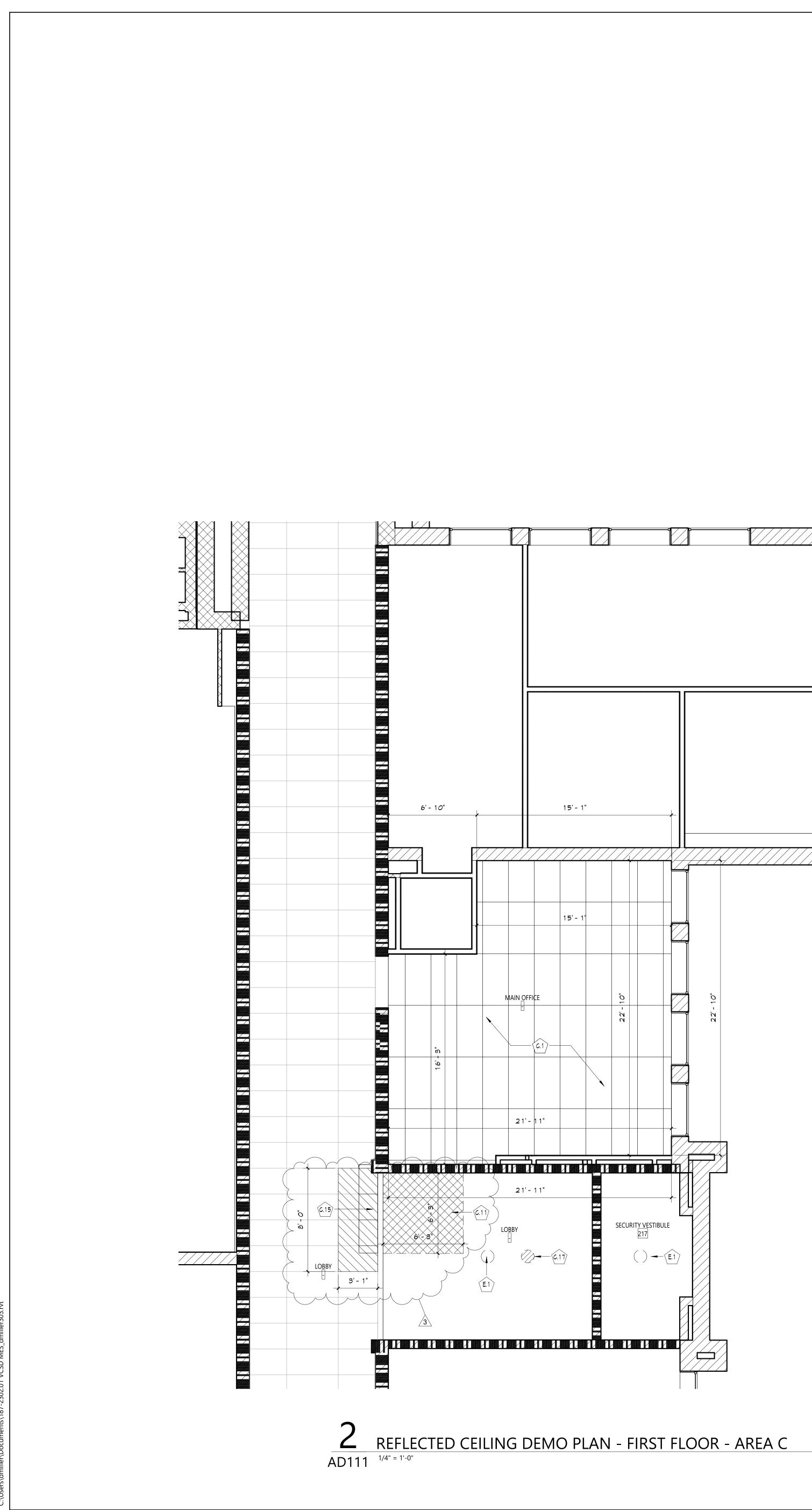
AREA C - PARTIAL FIRST FLOOR ABATEMENT PLAN AA100 1/4" = 1'-0"

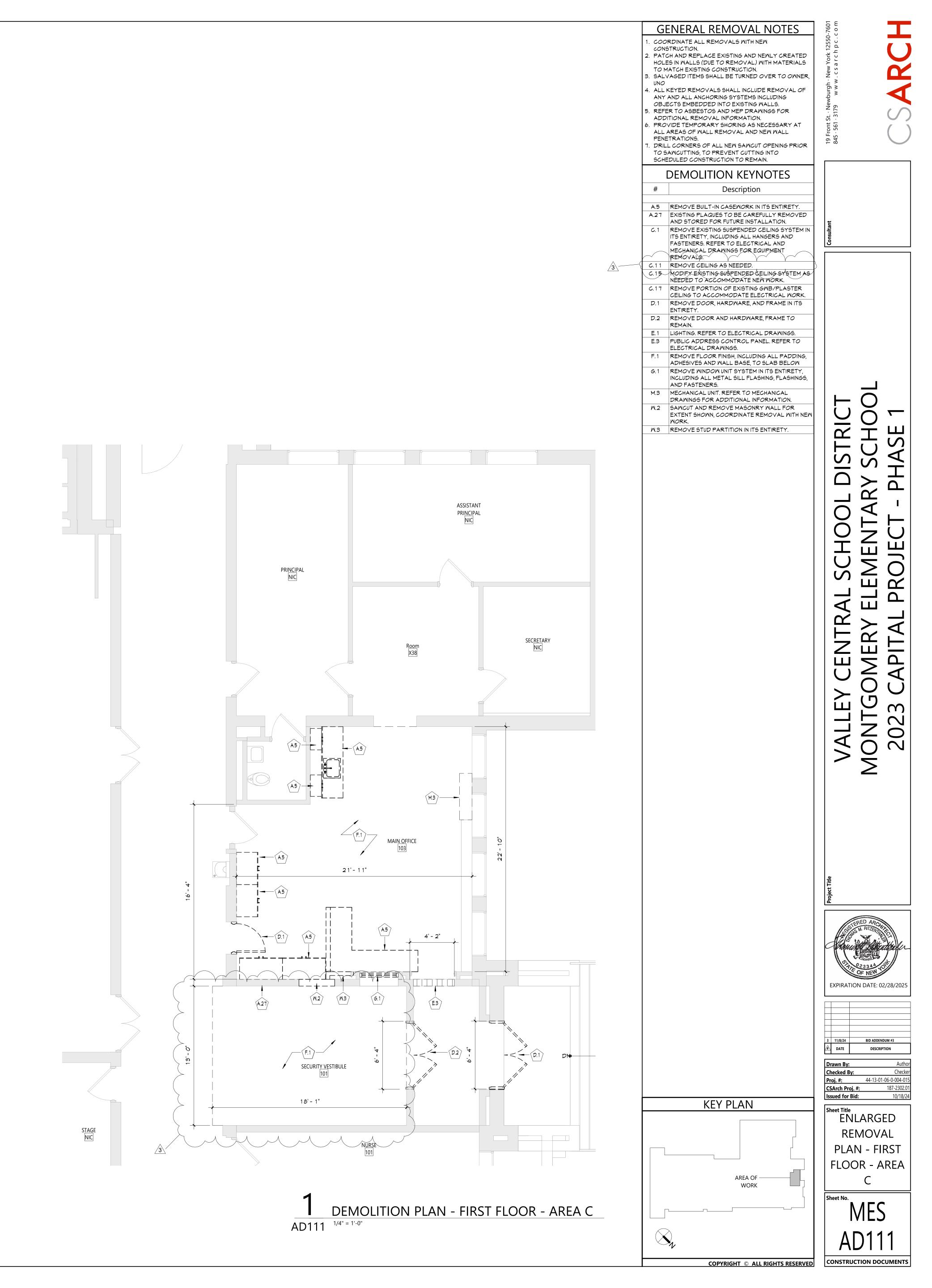
	KEY PLAN
	AREA OF
$\bigotimes_{\mathbf{n}}$	KEY PLAN
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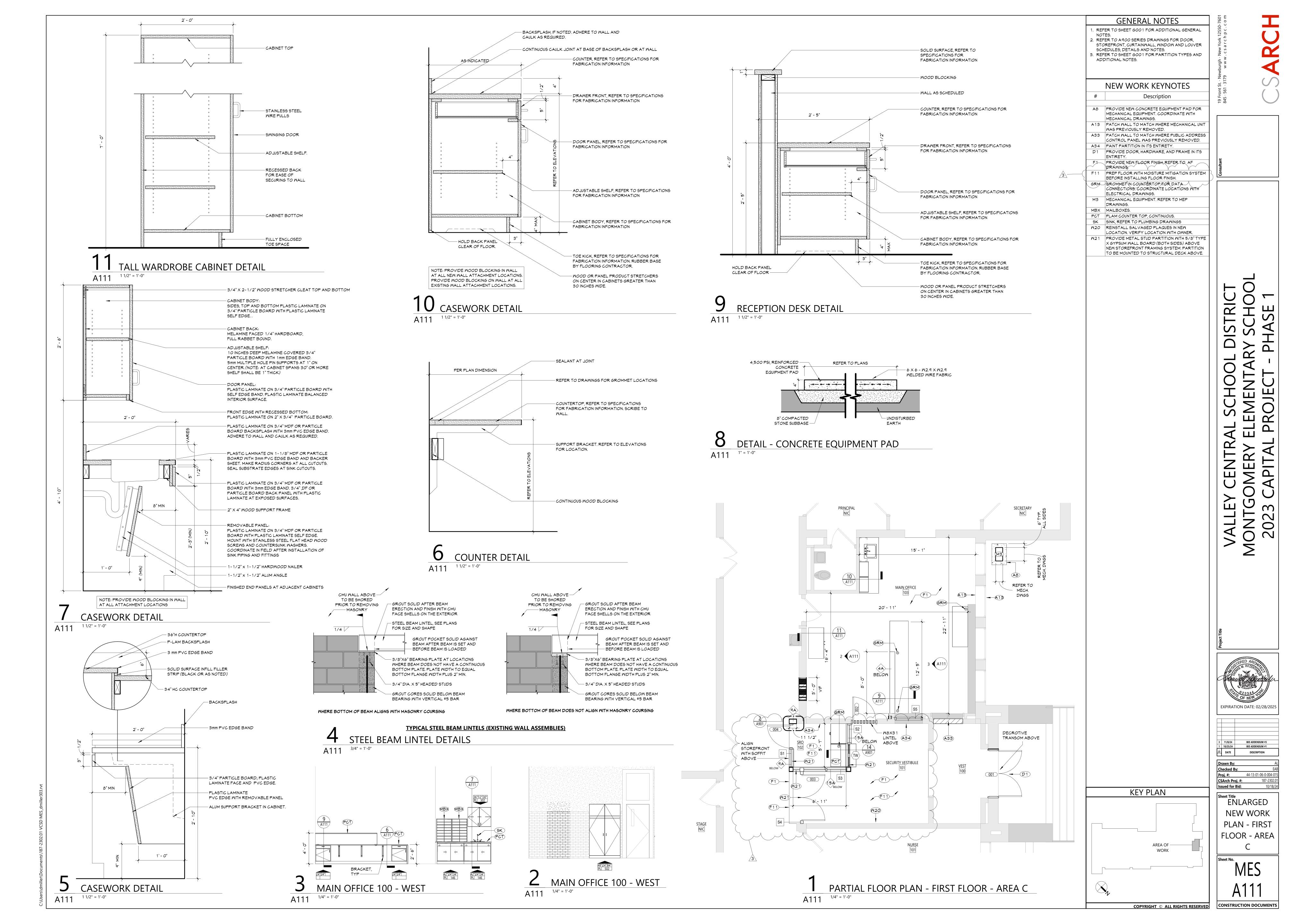
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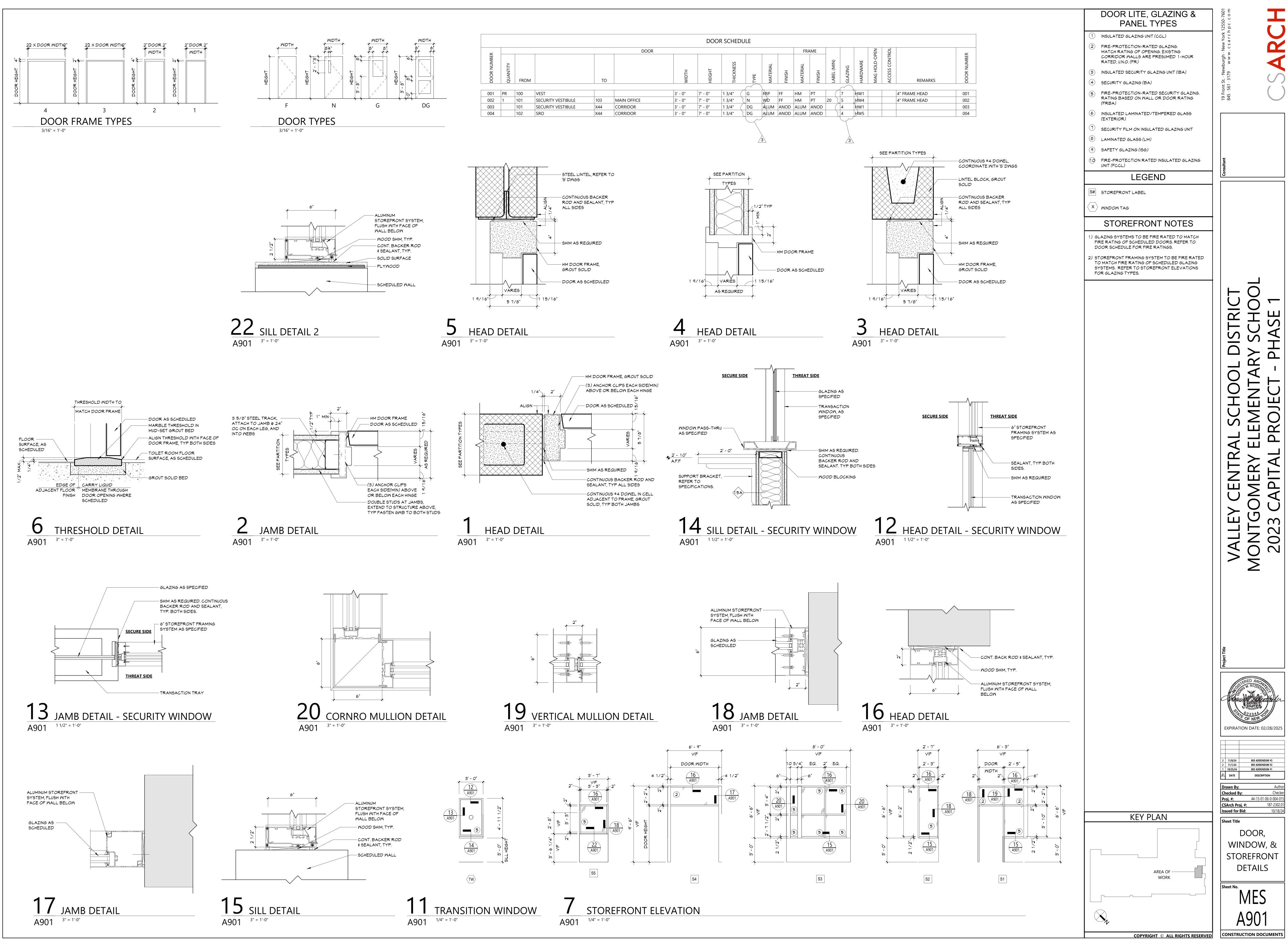
ASBESTOS-CONTAINING FLOOR TILE AND MASTIC TO BE REMOVED (APPROX. 228 SF)











dmiller\Documents\187-2302.01 VCSD MES_dmiller303.rvt

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

10/18/24 **ISSUED FOR BID:**

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 44-13-01-06-0-002-013 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



- Maybrook Alternative Learning Center 141 Union St. Montgomery, NY 12549

NTS

	GENERAL DR	AWINGS
	MAY G000	COVER &
	MAY G001	SYMBOLS,
	MAY G111	OVERALL F
	LIFE SAFETY I	DRAWINGS
	MAY LS111	LIFE SAFET
	MAY LS112	SMOKE ZC
		$\bigvee \checkmark$
	HAZARDOUS	
3	MAY AA100	
	ARCHITECTU	RAL DEMOI
	MAY AD121	
	MAY AD821	
	ARCHITECTU	
	MAY A121	ENLARGED
	MAY A821	REFLECTED
	MAY A901	DOOR & V
	ARCHITECTU	
	MAY AF001	
	MAY AF121	MATERIAL
	FURNITURE D	RAWINGS
	MAY FE121	
		1 / ((()) (<u>C</u>))
	MECHANICA	L GENERAL
	MAY M001	MECHANI
	MECHANICA	
	MAY MD111	MECHANI
	MECHANICA	
	MAY M111	
		MECHANN
	ELECTRICAL (GENERAL DI
	MAY E001	ELECTRICA
		DEMOLITIO
	MAY ED111	ELECTRICA

ELECTRICAL DRAWINGS MAY E111 ELECTRICAL PLAN



DRAWING LIST

SHEET INDEX ABBREVIATIONS, MISC, AND PARTITION TYPES FLOOR PLAN - FIRST FLOOR TY PLAN - FIRST FLOOR ONE PLANS

LS DRAWINGS ABATEMENT FIRST FLOOR AREA A LITION DRAWINGS D REMOVAL PLAN - FIRST FLOOR - AREA A D CEILING REMOVAL PLAN - FIRST FLOOR - AREA A

VINGS ED FLOOR PLAN - FIRST FLOOR - AREA A D CEILING PLAN - FIRST FLOOR - AREA A WINDOW DETAILS

I DRAWINGS TYPES AND SCHEDULE _ SCHEDULE & FINISH FLOOR PLAN - AREA A

FLOOR FURNITURE PLAN - FIRST FLOOR - AREA A L DRAWINGS

IICAL NOTES, LEGENDS, SCHEDULES & DETAILS

TION DRAWINGS ICAL DEMOLITION PLAN

IGS IICAL PLAN

DRAWINGS CAL NOTES, LEGENDS, SCHEDULES & DETAILS

ON DRAWINGS CAL DEMOLITION PLAN

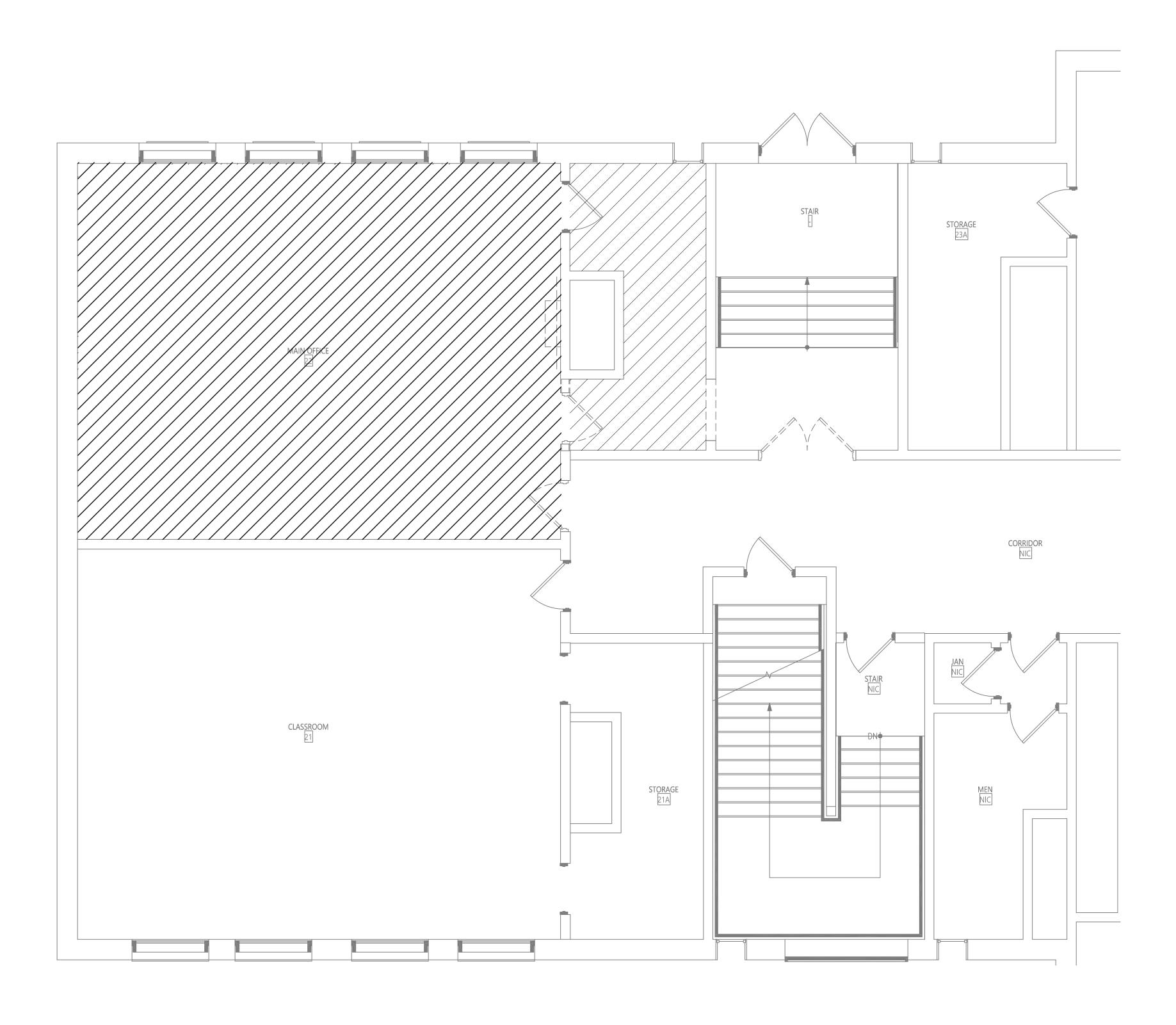
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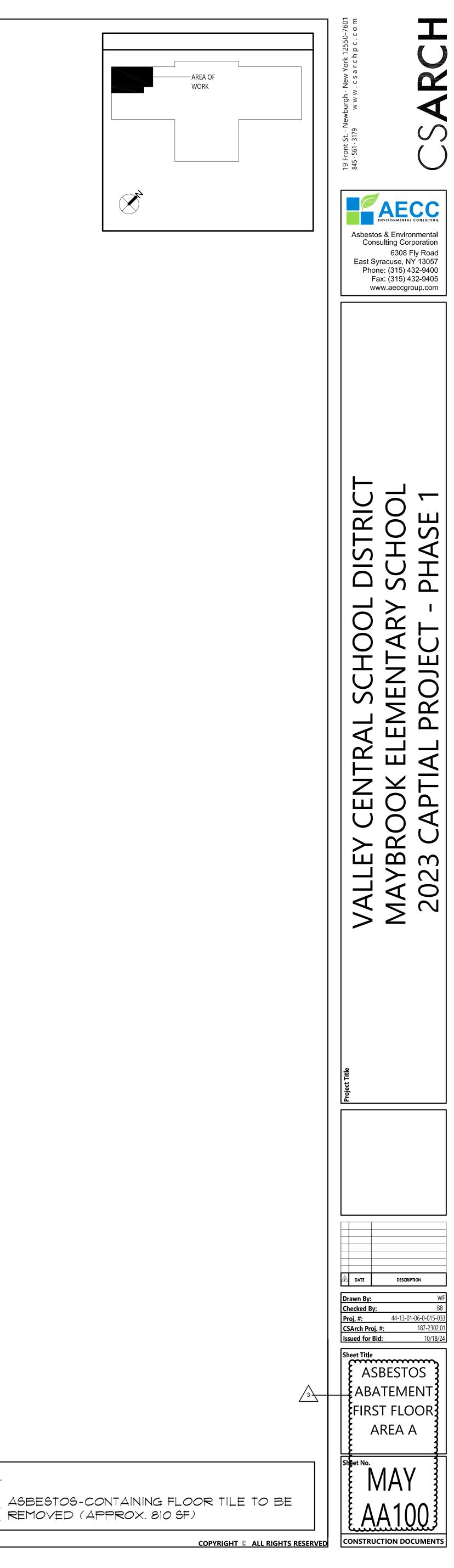
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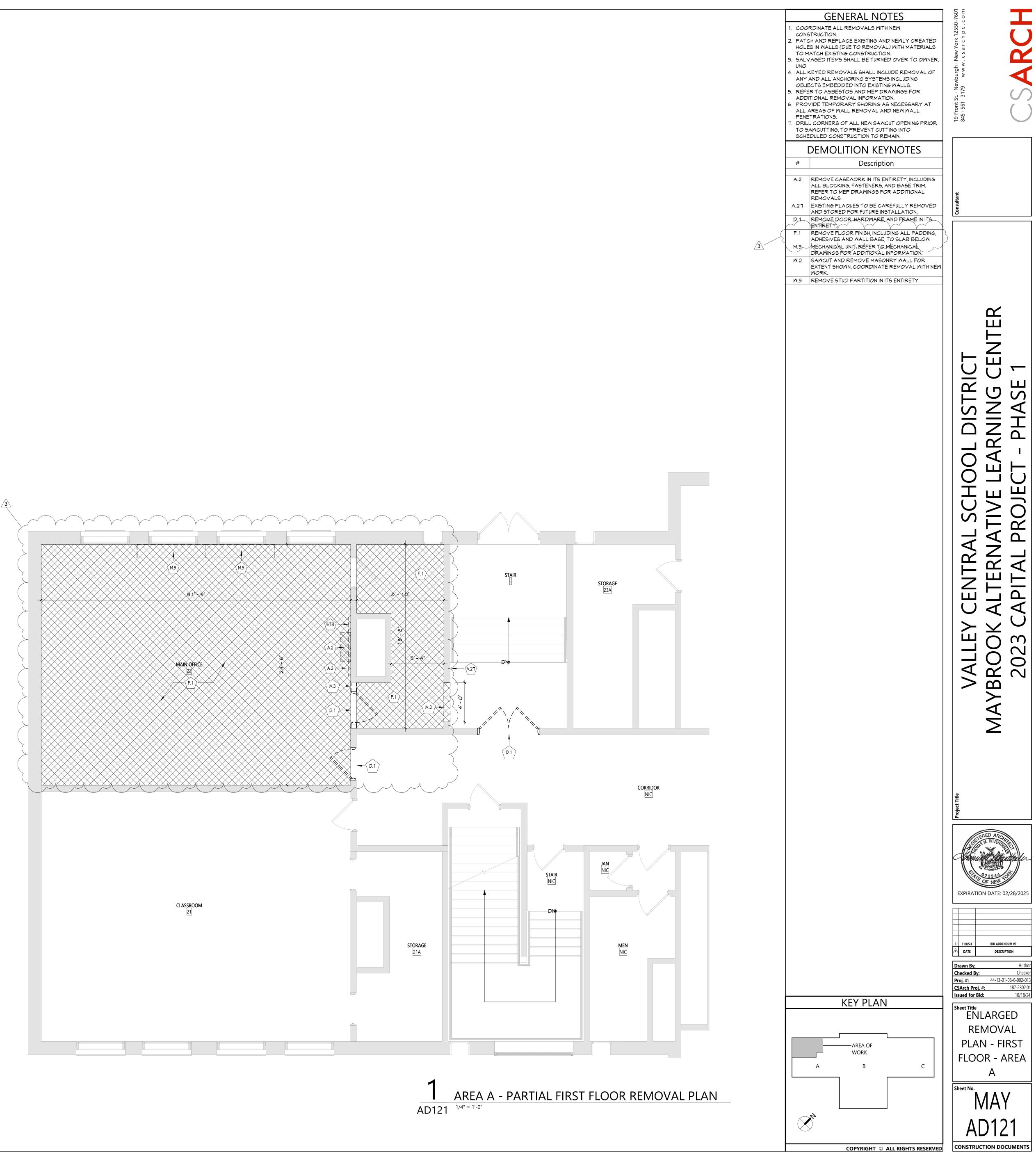


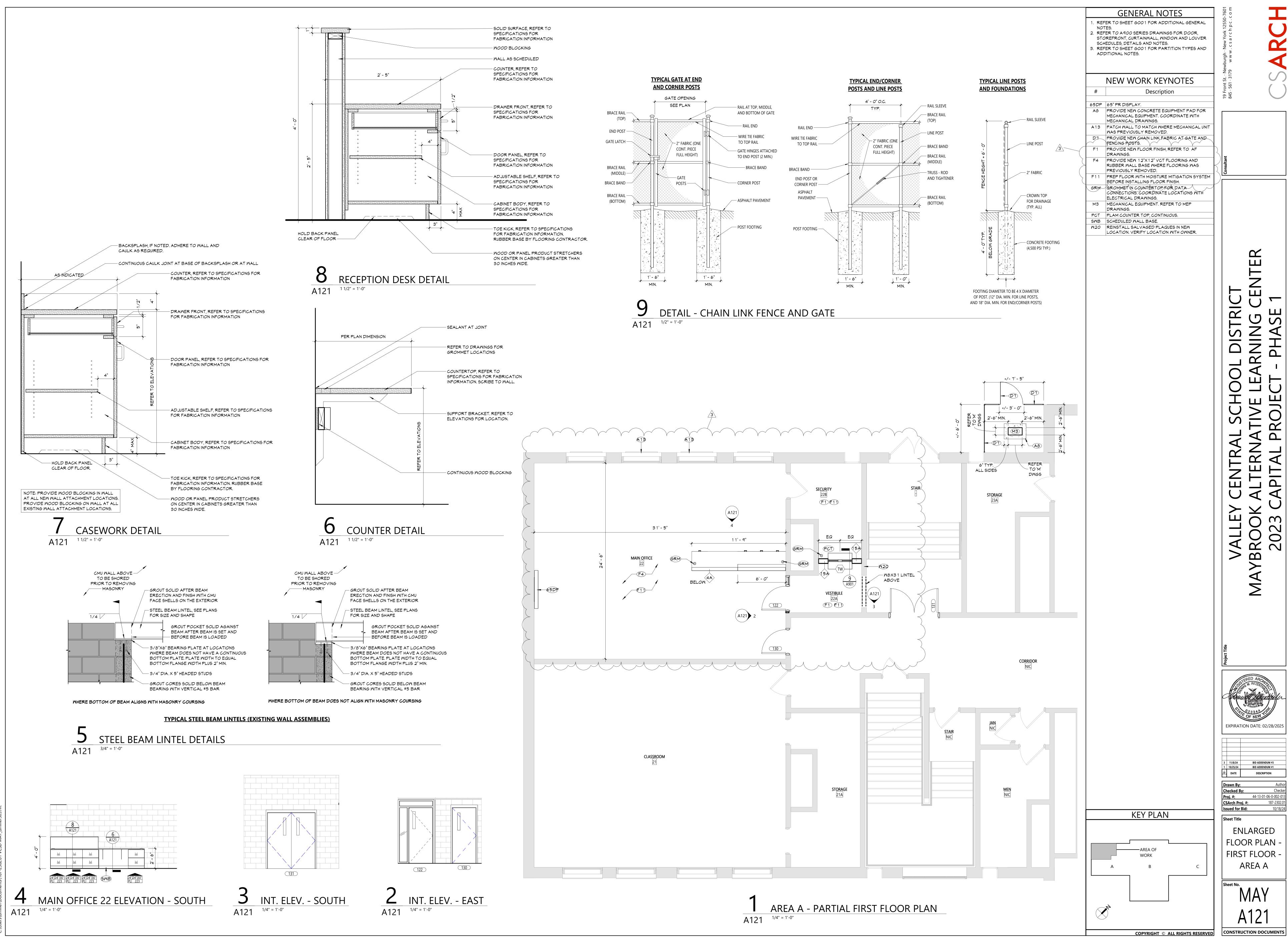




LEGEND:

REMOVED (APPROX. 810 SF)





VALLEY CENTRAL HIGH 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 144-13-01-06-0-015-033THE 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

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

NTS NTS

GENERAL DRA	AWINGS	PLUMBING GEI	NERAL DR
VCHS G000	COVER & SHEET INDEX	VCHS P001	PLUMB
VCHS G001	SYMBOLS, ABBREVIATIONS, MISC, & PARTITION TYPES		
VCHS G101	OVERALL FLOOR PLAN - BASEMENT	PLUMBING DE	MOLITION
VCHS G111	OVERALL FLOOR PLAN - FIRST FLOOR	VCHS PD301	BOILER
VCHS G121	OVERALL FLOOR PLAN - SECOND FLOOR		
VCHA G401	OVERALL ROOF PLAN	PLUMBING DR	AWINGS
		VCHS P301	PLUMB
LIFE SAFETY D	PRAWINGS		
/CHS LS101	BASEMENT LIFE SAFETY PLAN	MECHANICAL	GENERAL
CHS LS111	FIRST FLOOR LIFE SAFETY PLAN	VCHS M001	MECHA
/CHS LS112	SMOKE ZONE PLANS	VCHS M002	MECHA
\sim		VCHS M003	MECHA
IAZARDOUS	MATERIALS DRAWINGS	VCHS M004	MECHA
/CHS AA100	ASBESTOS ABATEMENT FIRST FLOOR AREA C	VCHS M005	TEMPEI
VCHS AA200	ASBESTOS ABATEMENT SECOND FLOOR AREA C $\frac{1}{2}$	VCHS M006	MECHA
VCHS AĄ300	AŞBESTOS ABATEMENT ROOF AREAS C & D		
\checkmark		MECHANICAL	DEMOLITI
ARCHITECTU	RAL DEMOLITION DRAWINGS	VCHS MD111	MECHA
VCHS AD111	FIRST FLOOR REMOVAL PLAN - AREA A	VCHS MD211	MECHA
VCHS AD112	FIRST FLOOR REMOVAL PLAN - AREA C & D	VCHS MD212	MECHA
/CHS AD401	ROOF REMOVAL PLAN - AREA C & D	VCHS MD301	MECHA
CHS AD802	REFLECTED CEILING REMOVAL PLAN - AREA C & D		
		MECHANICAL	DRAWING
RCHITECTU	RAL DRAWINGS	VCHS M111	SECURI
/CHS A101	BOILER ROOM PLANS AND DETAILS	VCHS M211	MECHA
/CHS A111	ENLARGED VESTIBULE PLAN, SECTION AND DETAILS	VCHS M212	MECHA
/CHS A112	AREA C & D - FIRST FLOOR NEW WORK PLAN	VCHS M301	MECHA
VCHS A201	EXTERIOR ELEVATIONS		
VCHS A202	EXTERIOR ELEVATIONS	ELECTRICAL GE	NERAL D
/CHS A402	ROOF PLAN - AREA A, C, & D	VCHS E001	ELECTR
/CHS A801	REFLECTED CEILING PLAN & CEILING DETAIL - AREA A	VCHS E002	ELECTR
VCHS A802	FIRST FLOOR REFLECTED CEILING PLAN - AREA C & D		
VCHS A901	DOOR, WINDOW, & STOREFRONT DETAILS	ELECTRICAL DE	
		VCHS ED111	ELECTR
ARCHITECTU	RAL FINISH DRAWINGS	VCHS ED211	ELECTR
VCHS AF001	MATERIAL SCHEDULE	VCHS ED301	ELECTR
	SIGNAGE TYPES AND SCHEDULE		
	AREA C & D - FLOOR FINISHES PLAN	ELECTRICAL DE	RAWINGS
		VCHS E111	ELECTR
		VCHS E211	ELECTR
		VCHS E301	ELECTR

DRAWING LIST



EXPIRATION DATE: 02/28/2029

DRAWINGS IBING NOTES, SCHEDULE, LEGEND & DETAILS ON DRAWINGS ER ROOM PLUMBING DEMOLITION PLAN IBING PLAN L DRAWINGS IANICAL NOTES, LEGEND, SCHEDULE & DETAILS ANICAL SCHEDULES ANICAL SCHEDULES ANICAL DETAILS ERATURE CONTROLS NOTES, LEGEND & SCHEMATICS ANICAL PIPING DIAGRAMS TION DRAWINGS ANICAL DEMOLITION PLAN ANICAL DEMOLITON PLAN - PART 1 ANICAL DEMOLITON PLAN - PART 2 ANICAL DEMOLITION PLAN IGS RITY VESTIBULE MECHANICAL PLAN ANICAL PLAN - PART 1 ANICAL PLAN - PART 2 ANICAL PLAN DRAWINGS RICAL NOTES, LEGEND, DETAILS & SCHEDULES RICAL PANEL SCHEDULES ON DRAWINGS RICAL DEMOLITION PLAN RICAL DEMOLITION PLAN RICAL DEMOLITION PLAN

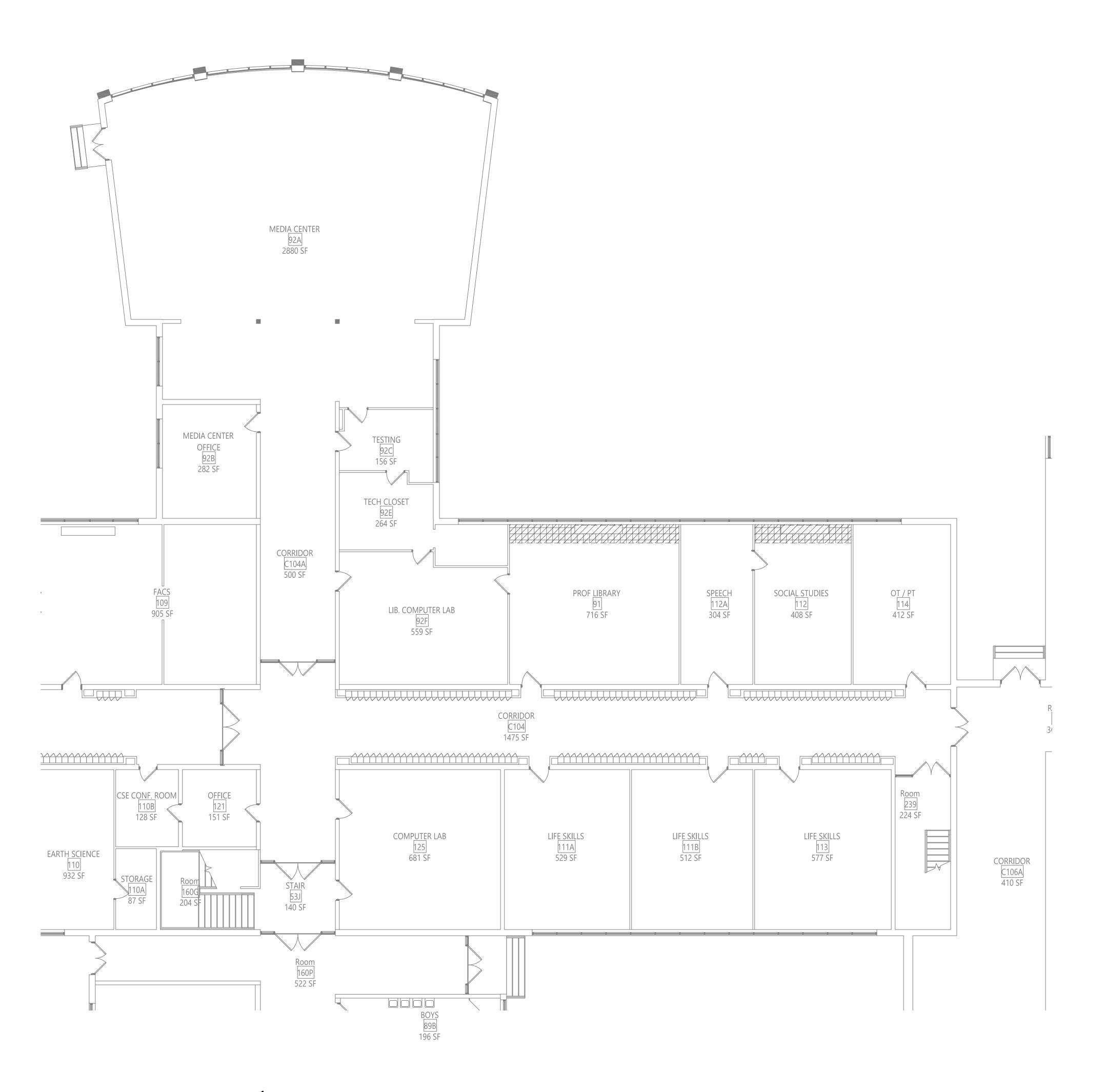
S TRICAL PLAN TRICAL PLAN TRICAL PLAN



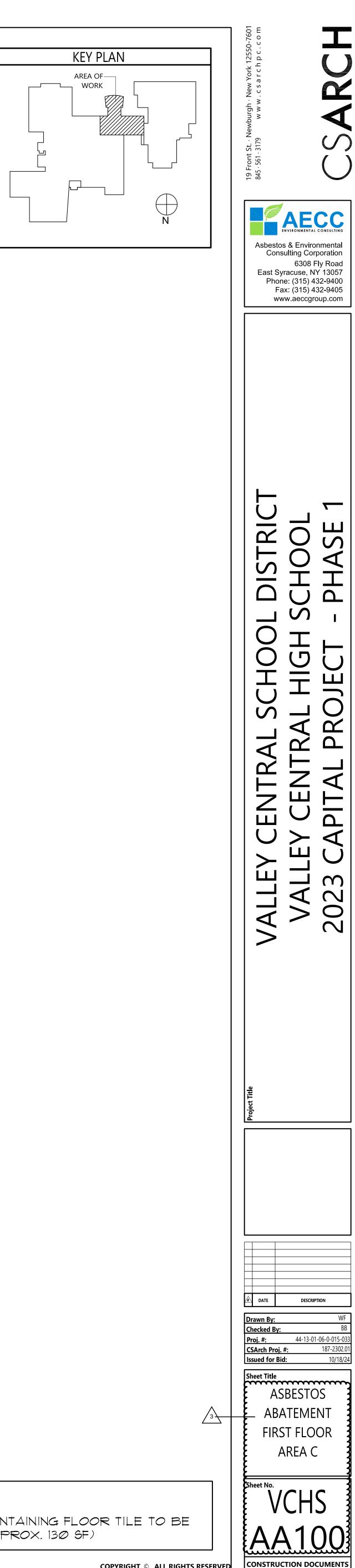
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ASBESTOS ABATEMENT NOTES:

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AREA C - PARTIAL FIRST FLOOR ABATEMENT PLAN AA100 1/8" = 1'-0"



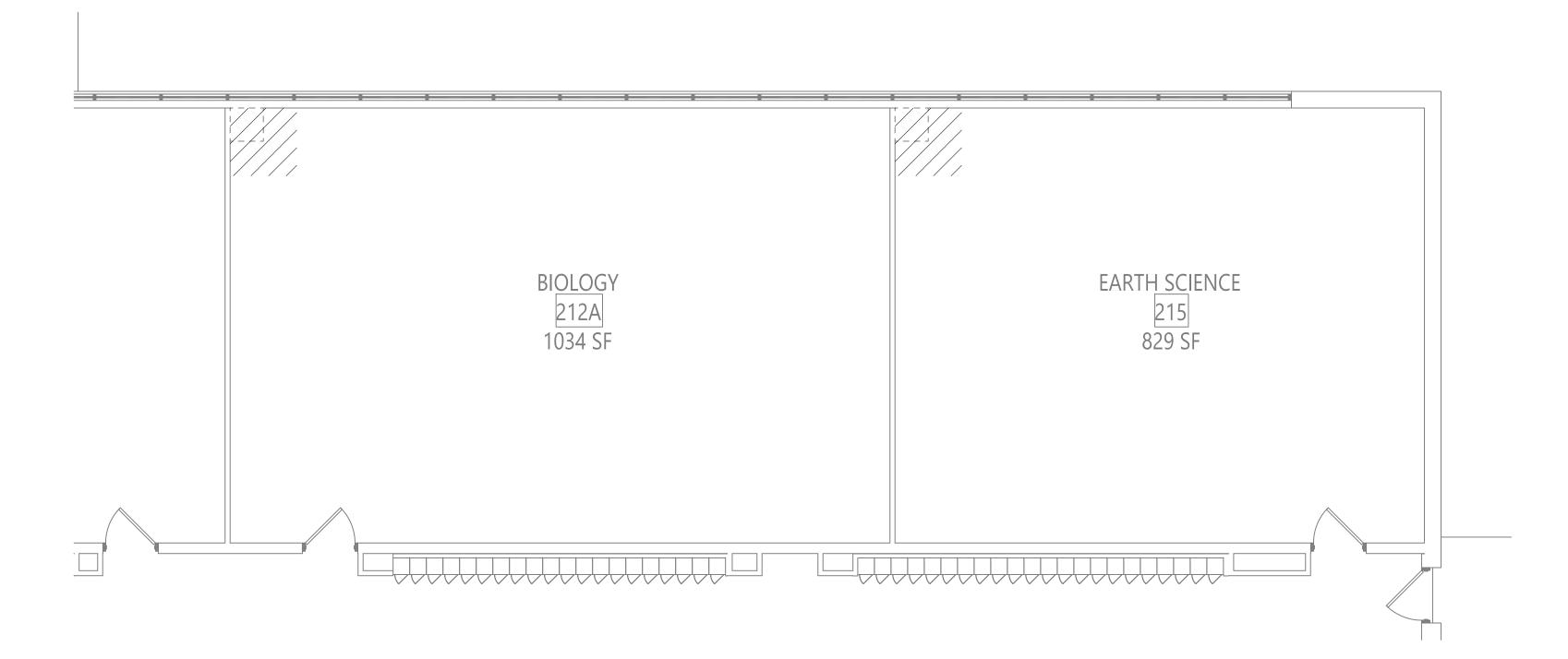
LEGEND:

ASBESTOS-CONTAINING FLOOR TILE TO BE REMOVED (APPROX. 130 SF)

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LEGEND:

ASBESTOS-CONTAINING FLOOR TILE TO BE REMOVED (APPROX, 33 SF)

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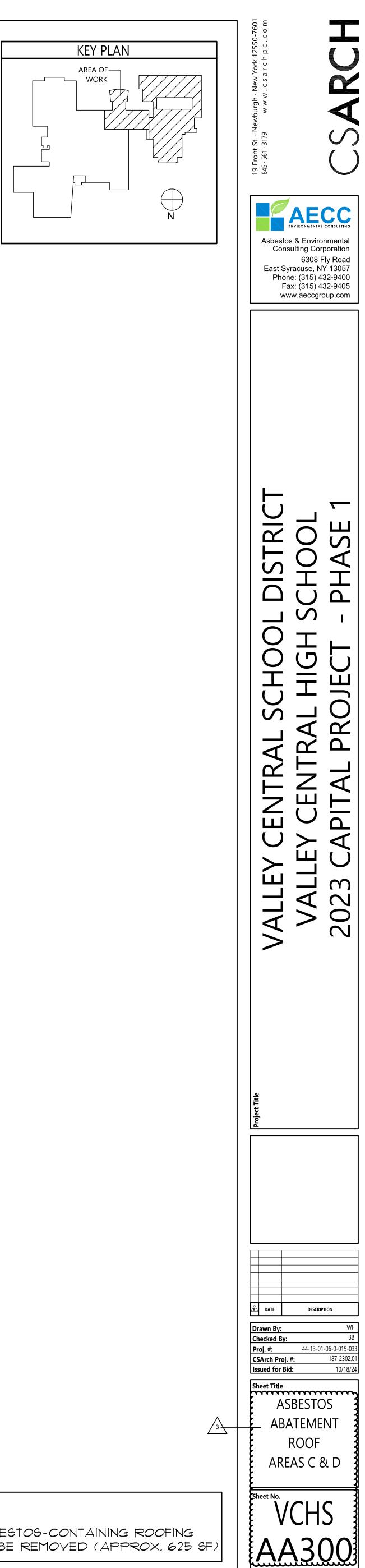
CONSTRUCTION DOCUMENTS

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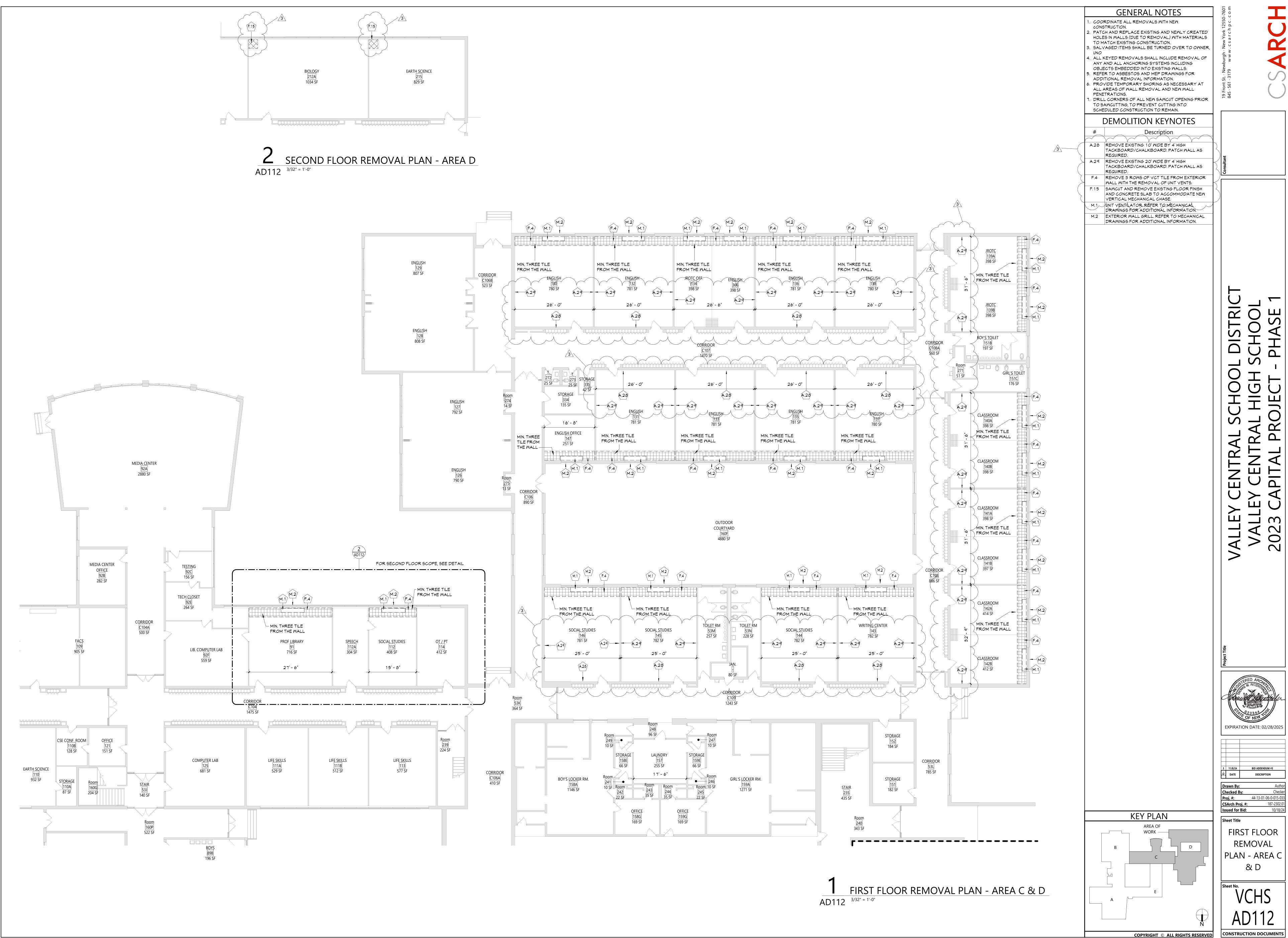


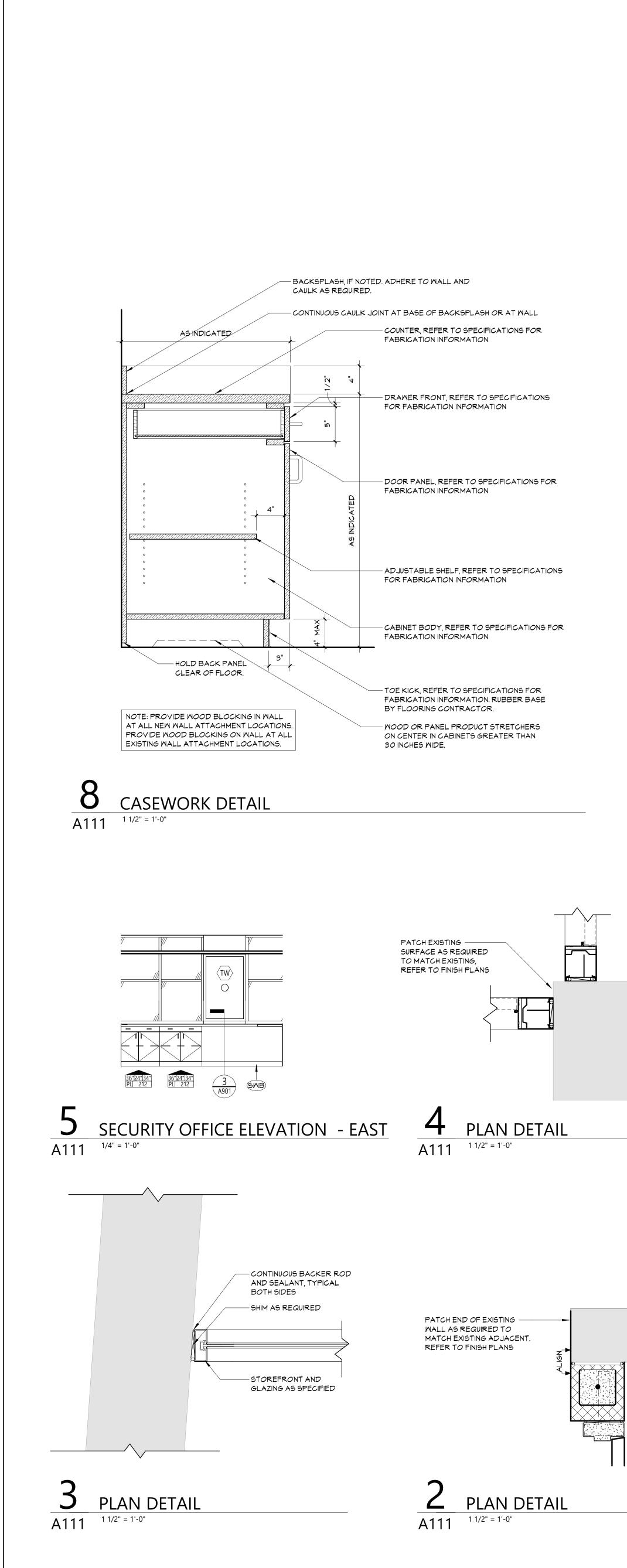
LEGEND:

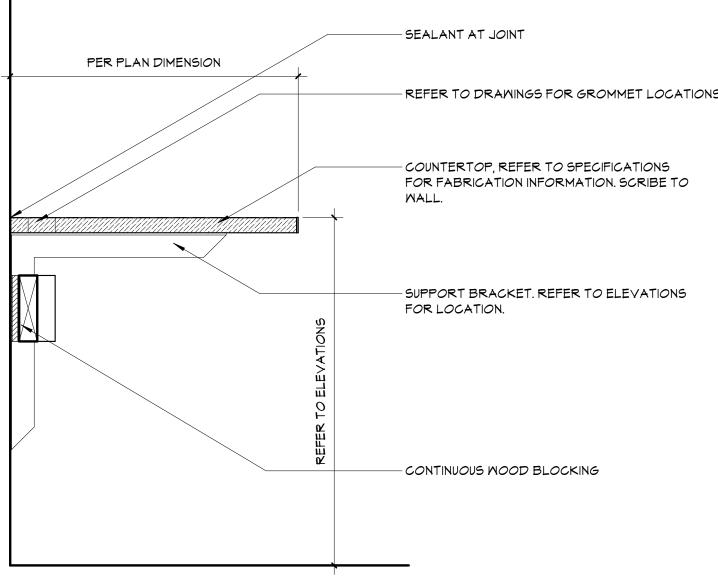
PRESUMED ASBESTOS-CONTAINING ROOFING MATERIALS TO BE REMOVED (APPROX, 625 SF)

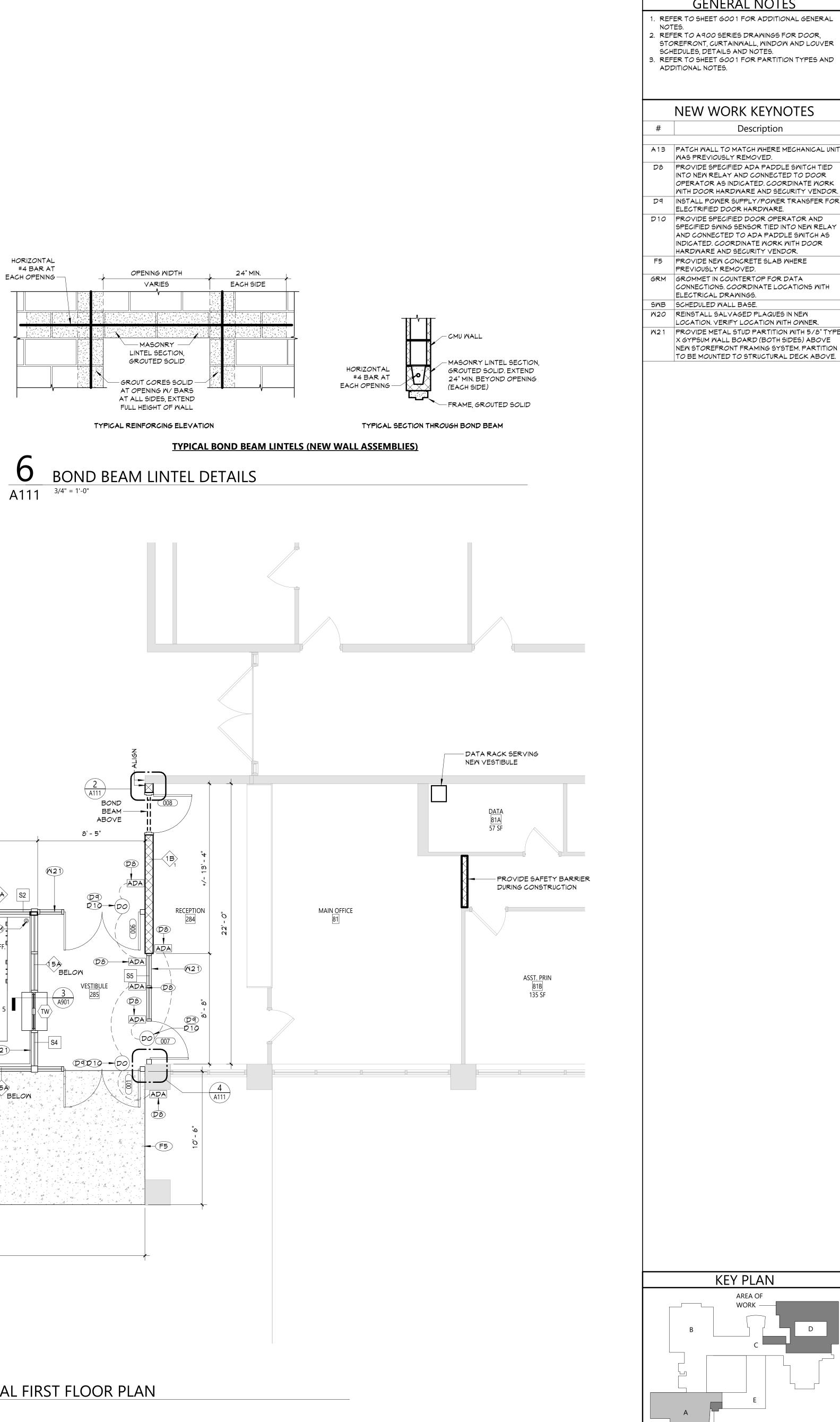
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CONSTRUCTION DOCUMENTS

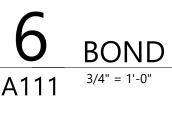




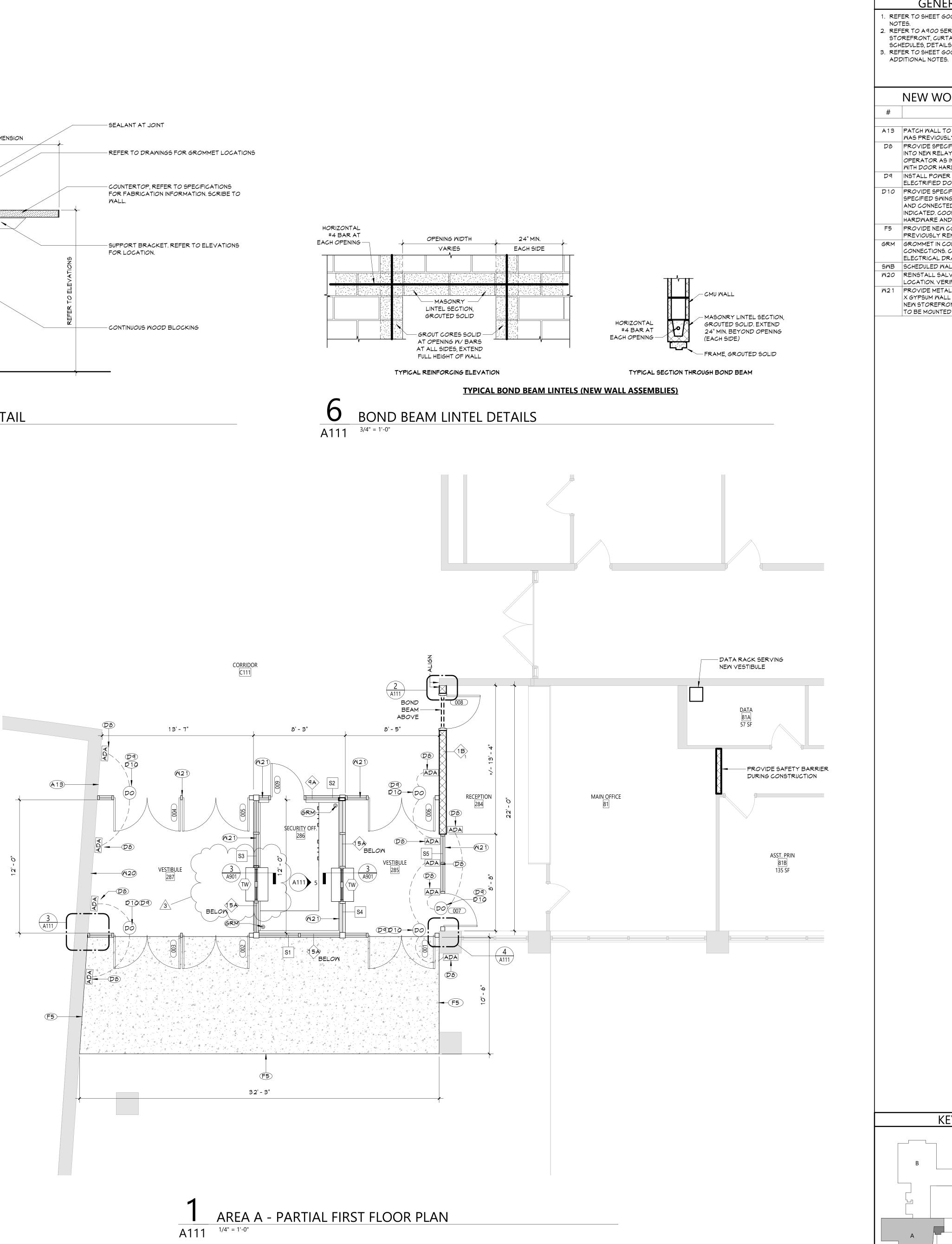




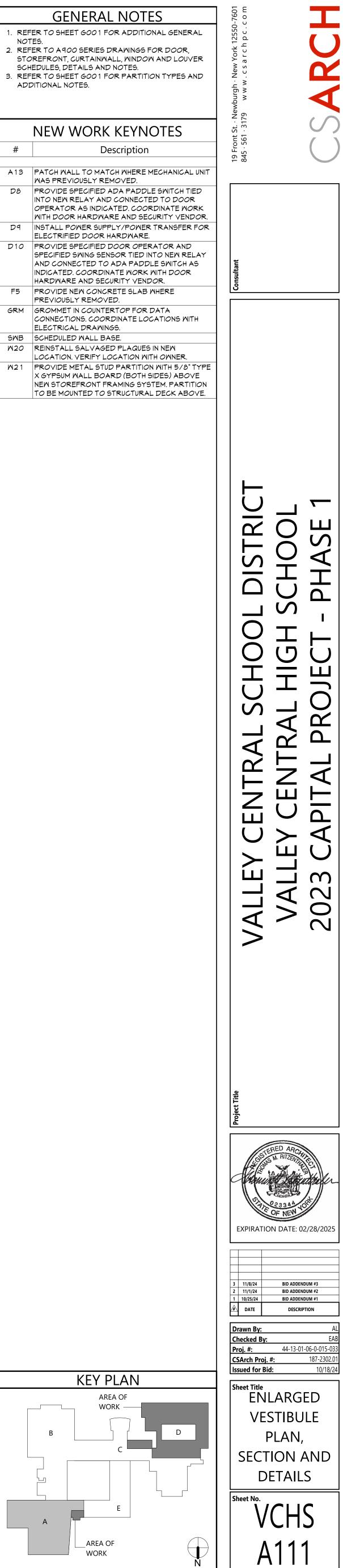






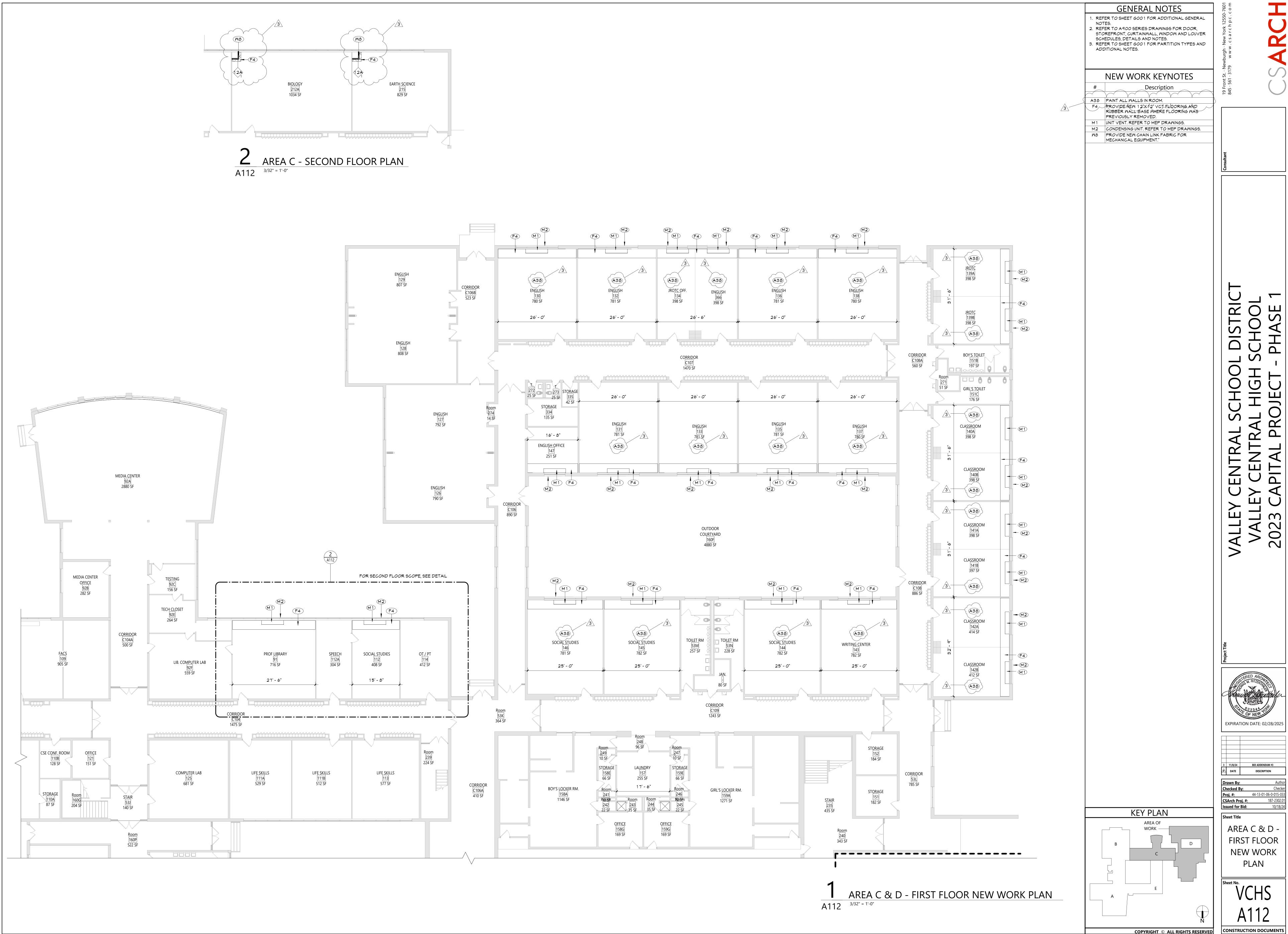


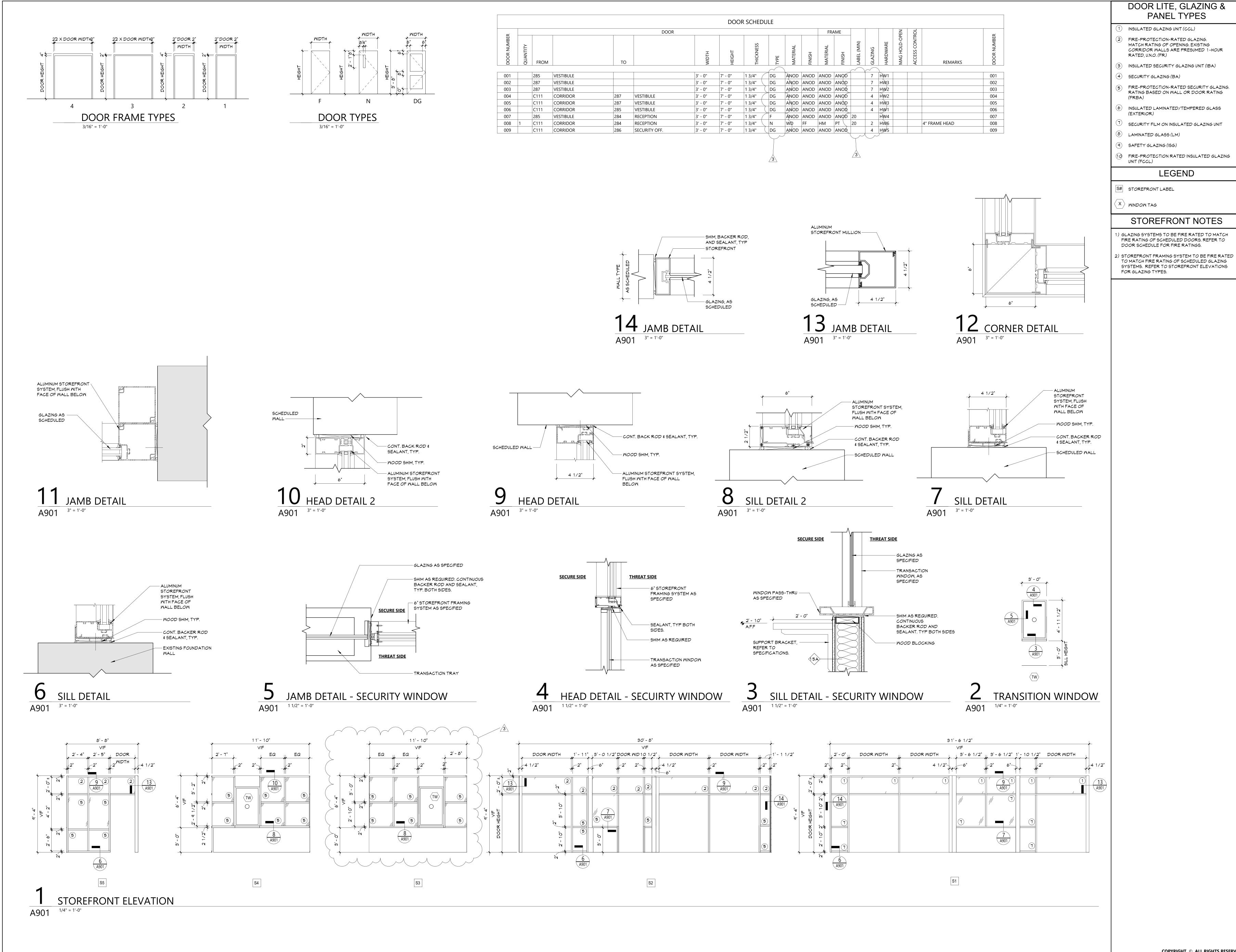
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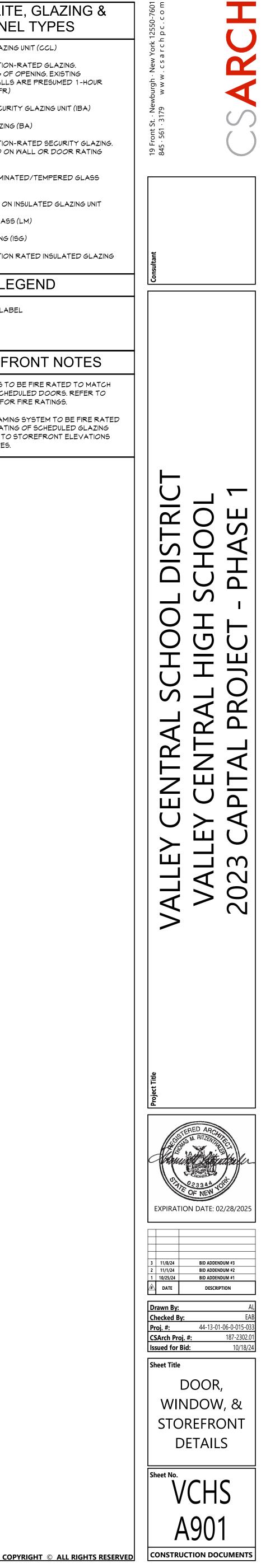


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CONSTRUCTION DOCUMENTS







VALLEY CENTRAL SCHOOL DISTRICT VALLEY CENTRAL MIDDLE 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 44-13-01-06-0-016-023 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

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

NTS

ELECTRICAL DEMOLITION DRAWINGS VCMS ED111 ELECTRICAL DEMOLITION PLAN

ELECTRICAL DRAWINGS VCMS E111 ELECTRICAL PLAN



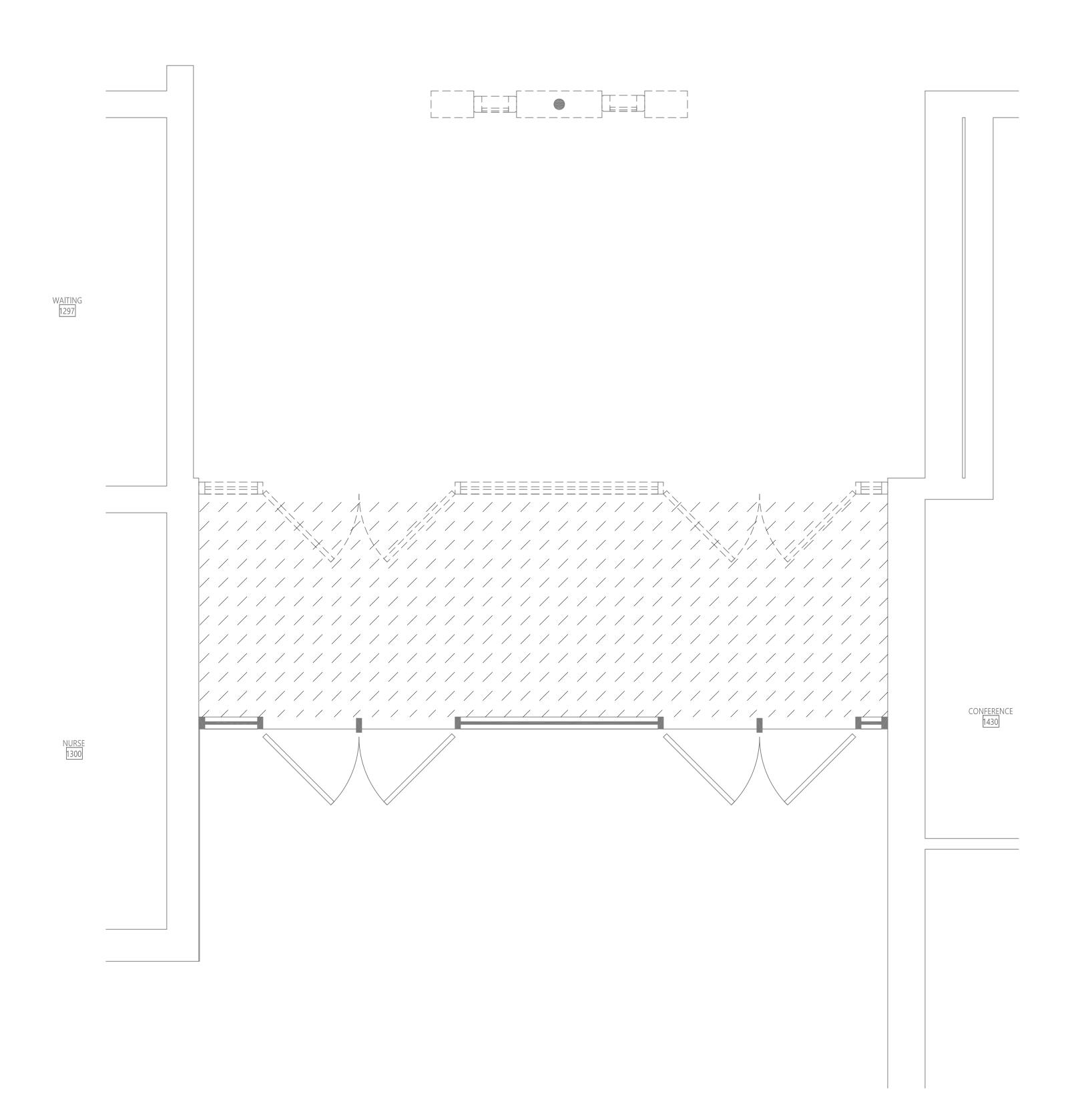
	DRAWING LIST
GENERAL DRA	AWINGS
VCMS G000	COVER & SHEET INDEX
VCMS G001	SYMBOLS, ABBREVIATIONS, MISC, AND PARTITION TYPES
VCMS G111	OVERALL FLOOR PLAN - FIRST FLOOR
LIFE SAFETY D	PRAWINGS
VCMS LS101	LIFE SAFETY PLANS
VCMS LS102	SMOKE ZONE PLANS
ΗΔ7ΔΡΟΟΙΙS	MATERIALS DRAWINGS
	ASBESTOS ABATEMENT FIRST FLOOR AREA A
	RAL DEMOLITION DRAWINGS
VCMS AD111	ENLARGED REMOVAL PLAN - FIRST FLOOR - AREA A
ARCHITECTU	RAL DRAWINGS
VCMS A111	ENLARGED FLOOR PLANS AND SECTION - AREA A
VCMS A201	
VCMS A202	
VCMS A811	
VCMS A901	DOOR, WINDOW, & STOREFRONT DETAILS
ARCHITECTU	RAL FINISH DRAWINGS
VCMS AF001	SIGNAGE TYPES AND SCHEDULES
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 G	ENERAL DRAWINGS
VCMS E001	ELECTRICAL NOTES, LEGENDS, & SCHEDULES



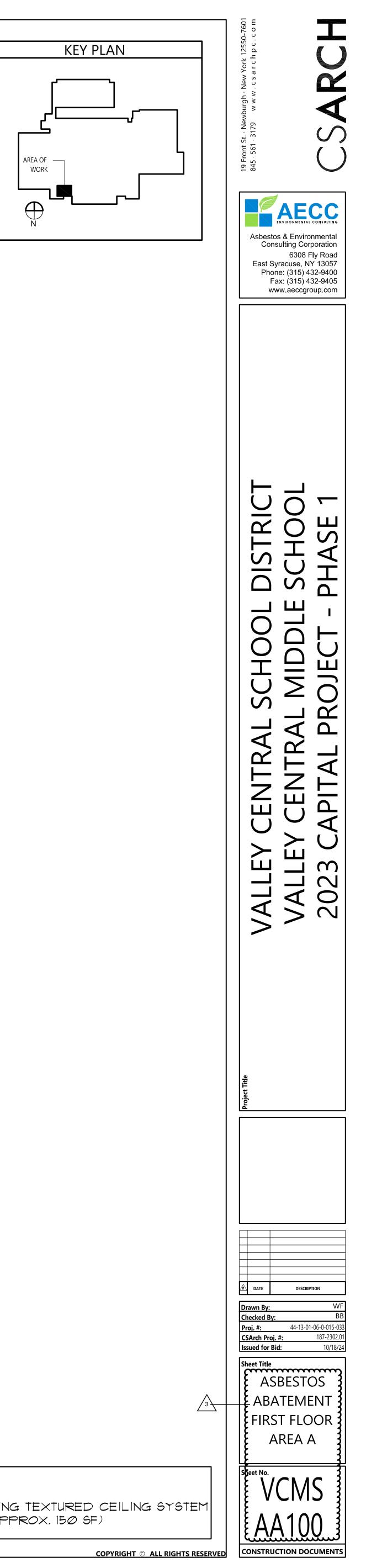
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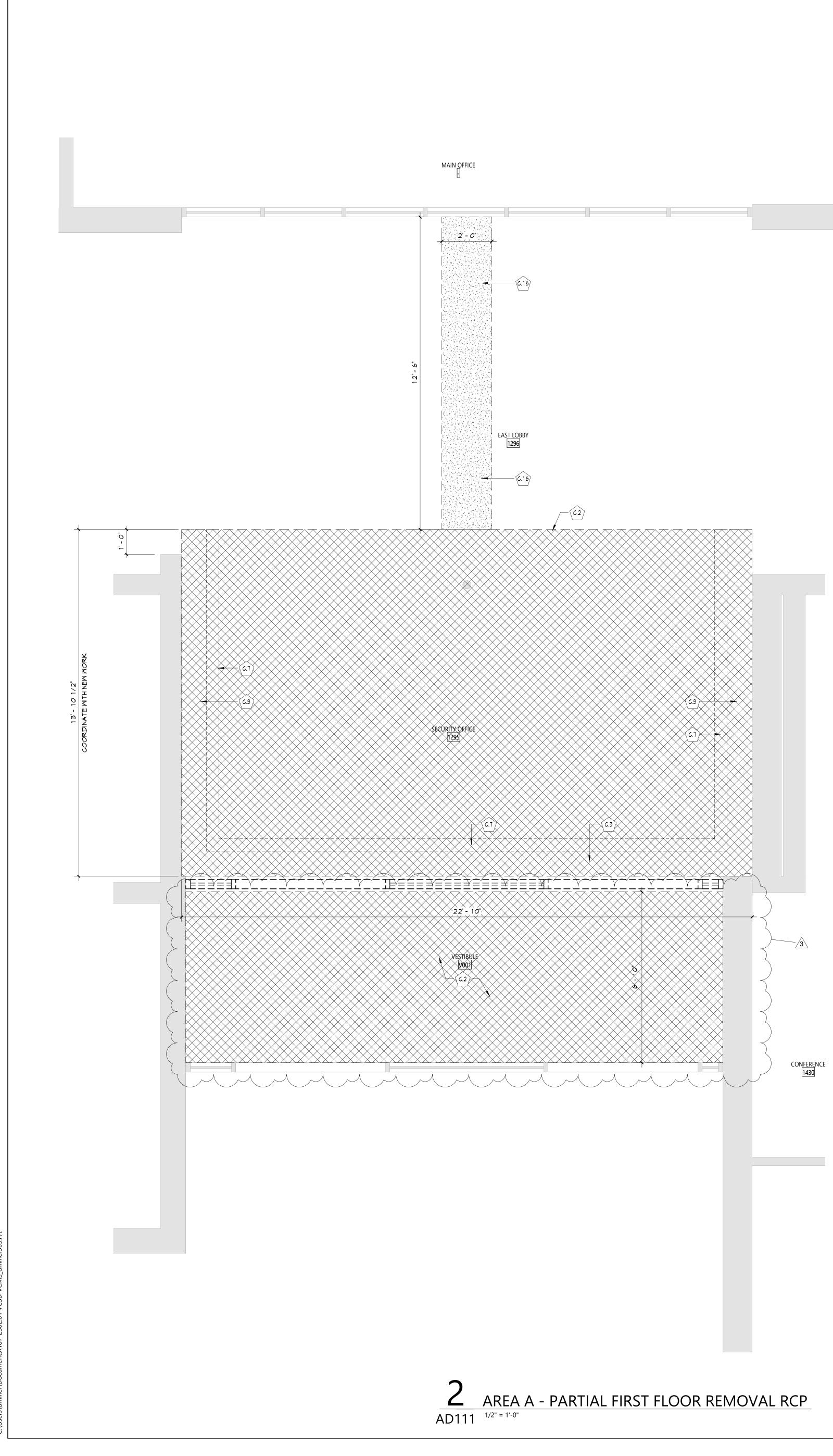


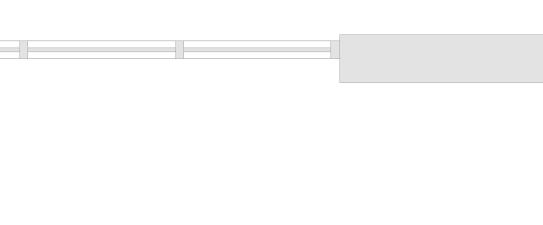


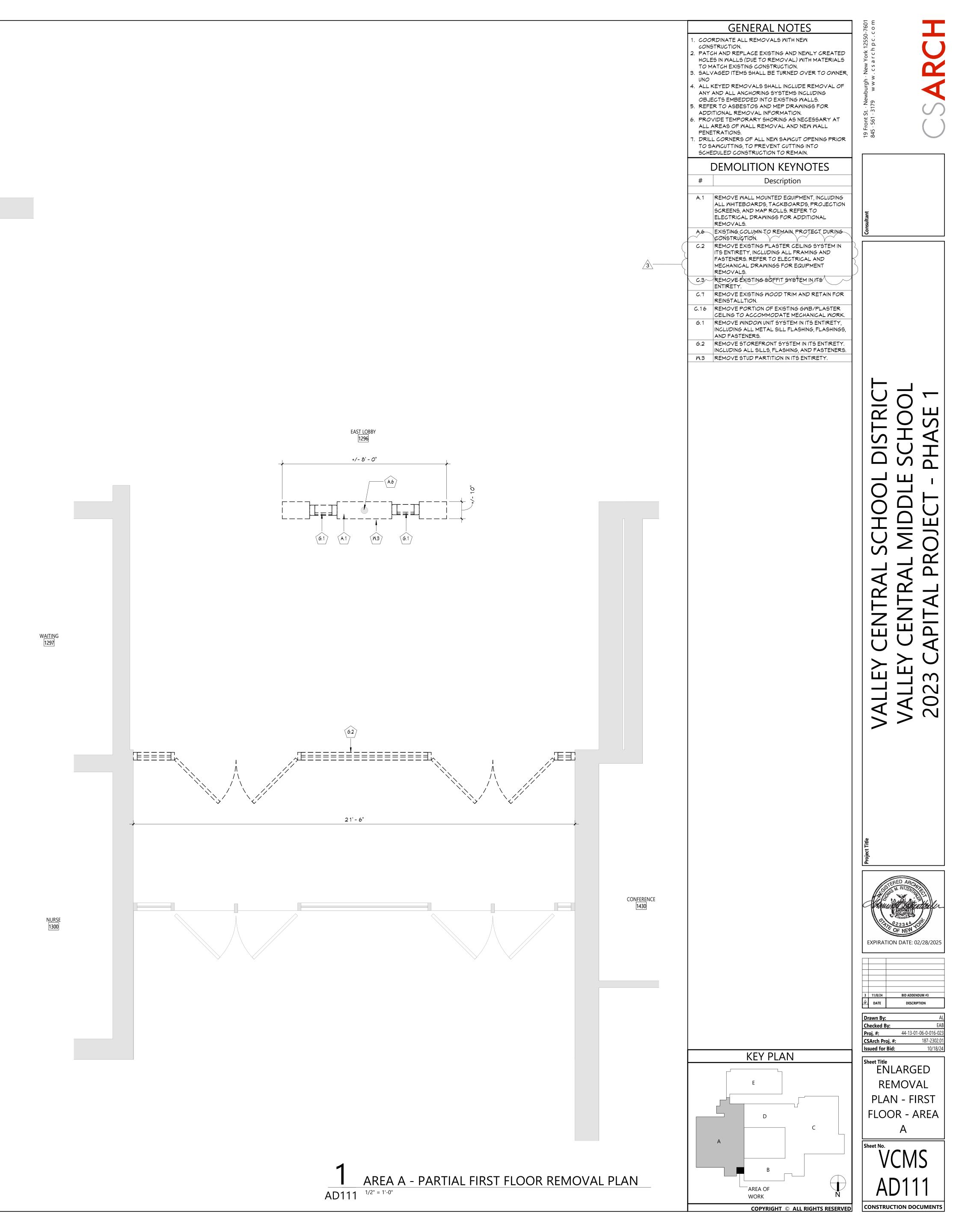


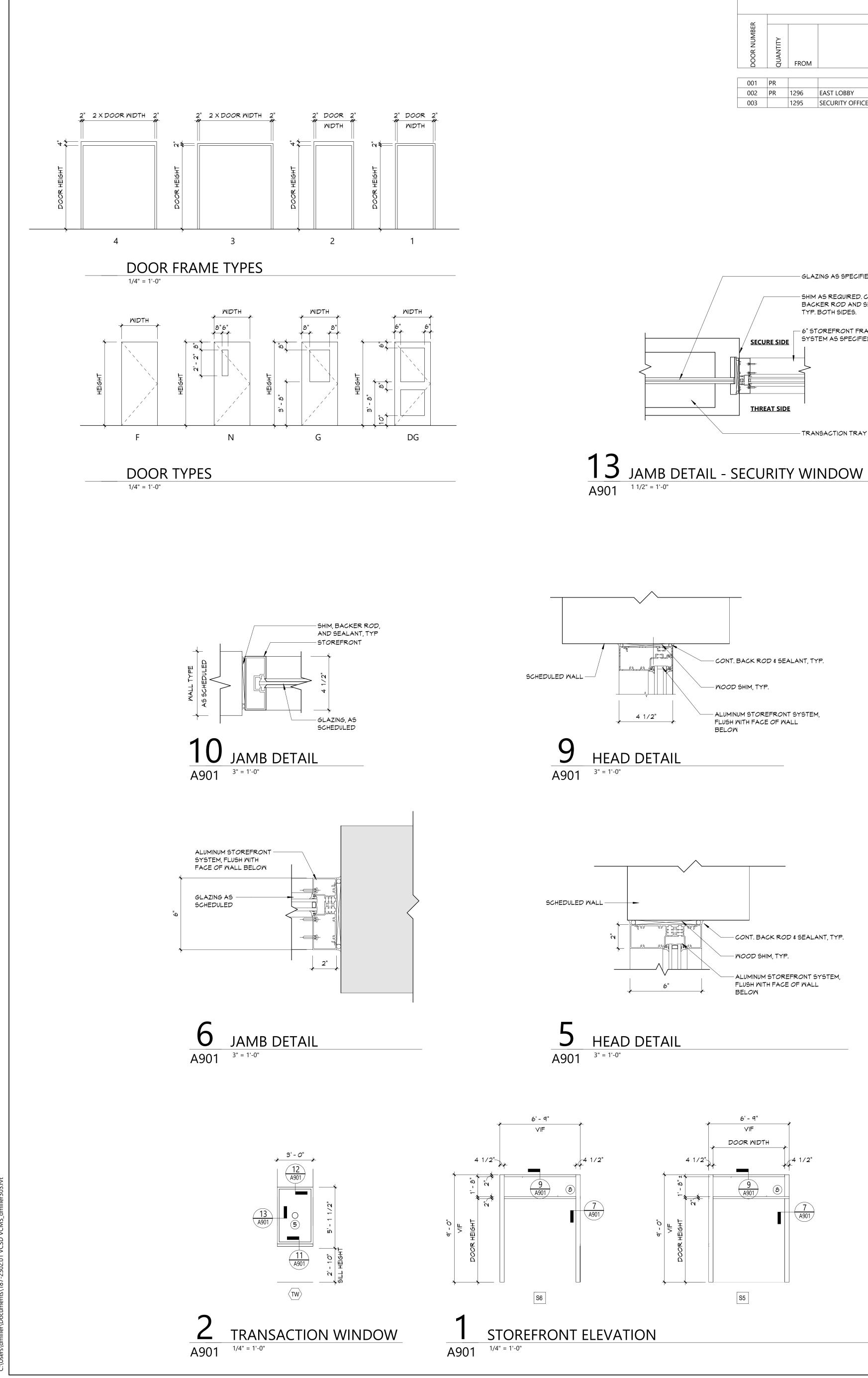
LEGEND:

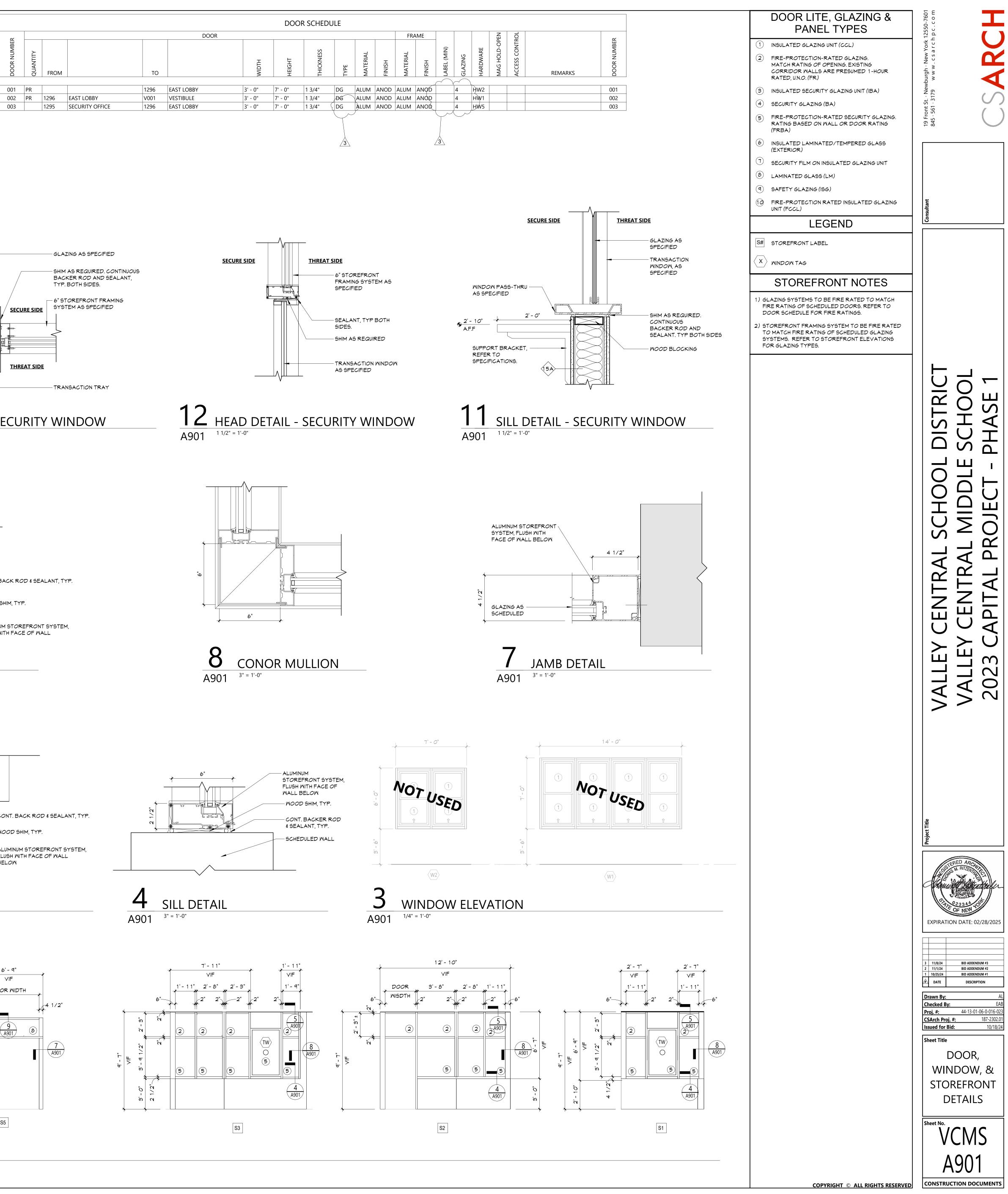
ASBESTOS-CONTAINING TEXTURED CEILING SYSTEM /////TO BE REMOVED (APPROX. 150 SF)

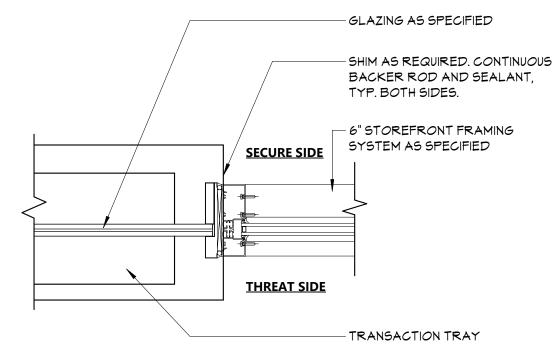


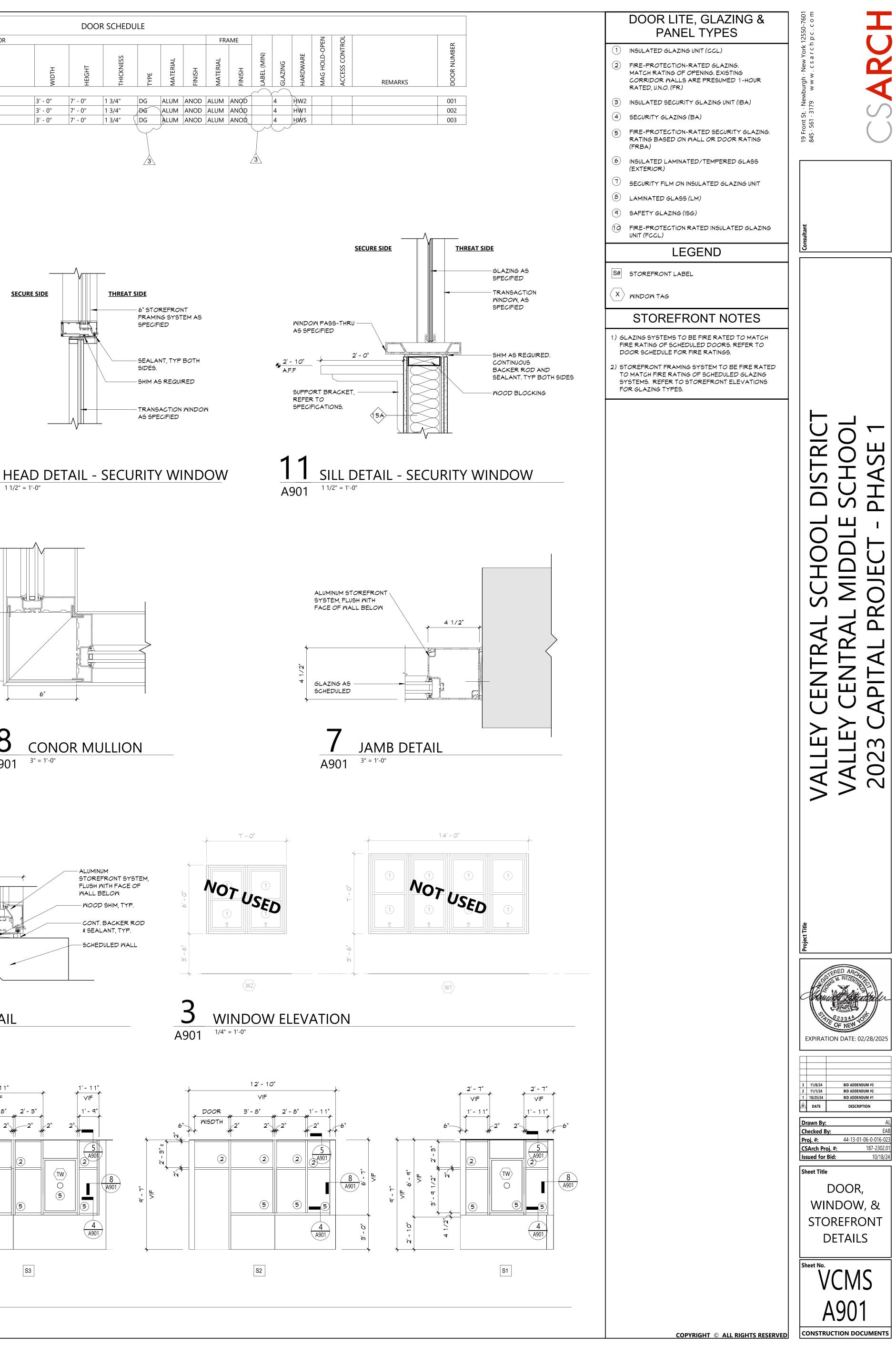




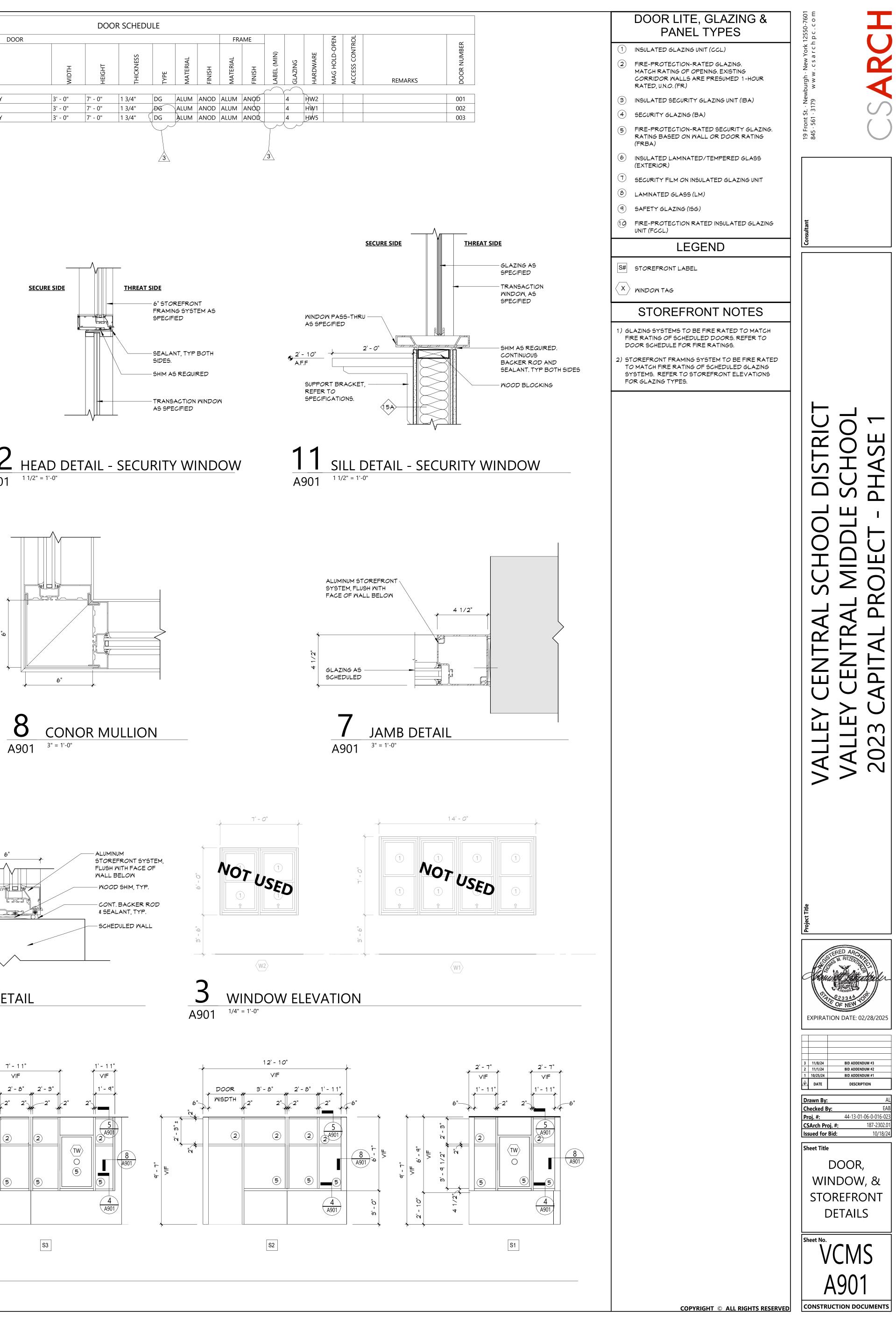




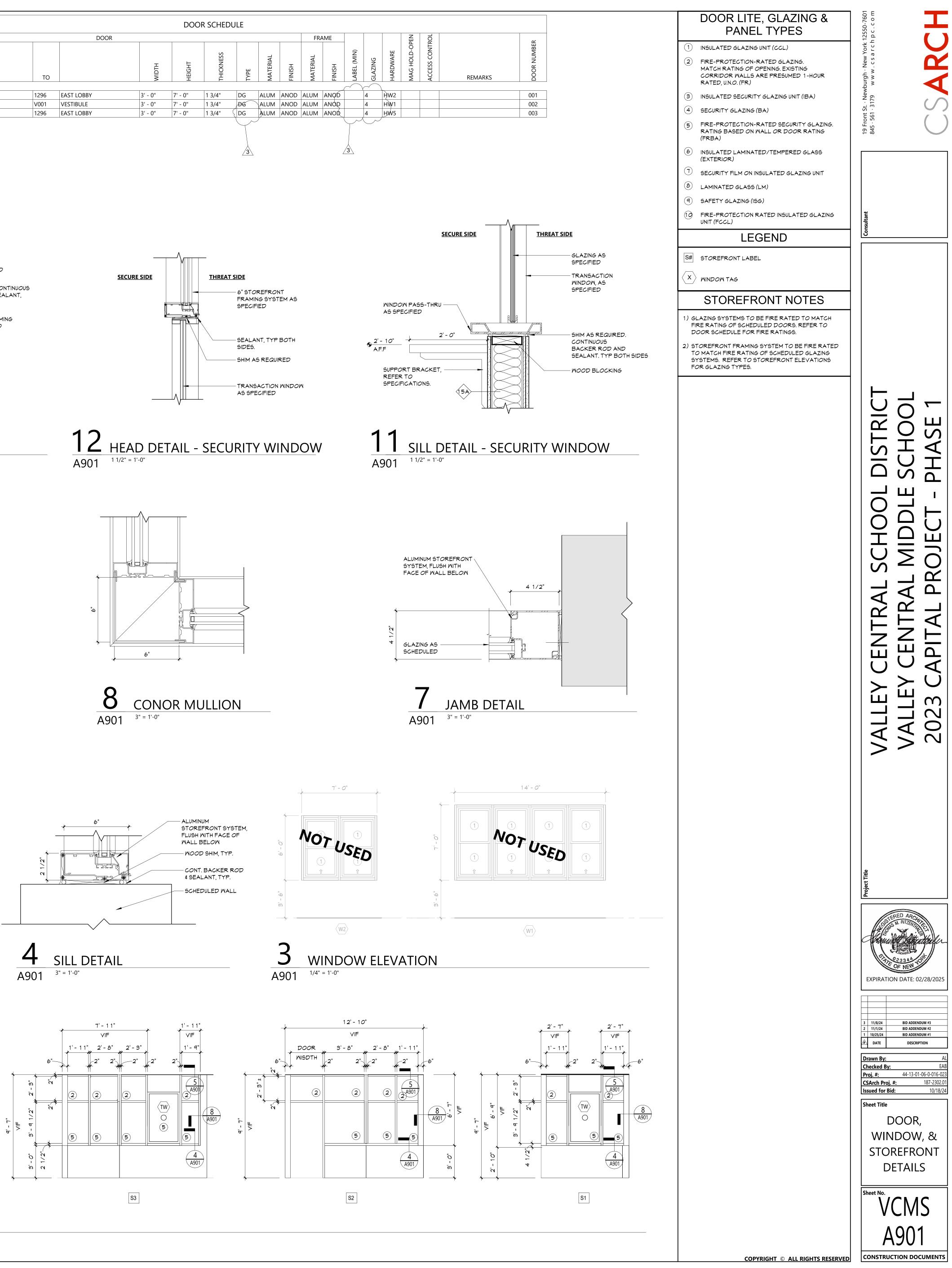














VICINITY MAP

VALLEY CENTRAL SCHOOL DI

-ADD ALTERNATE ALT-GAC-1-01-001

-Walden Elementary School 75 Orchard St Walden, NY 12586

NTS

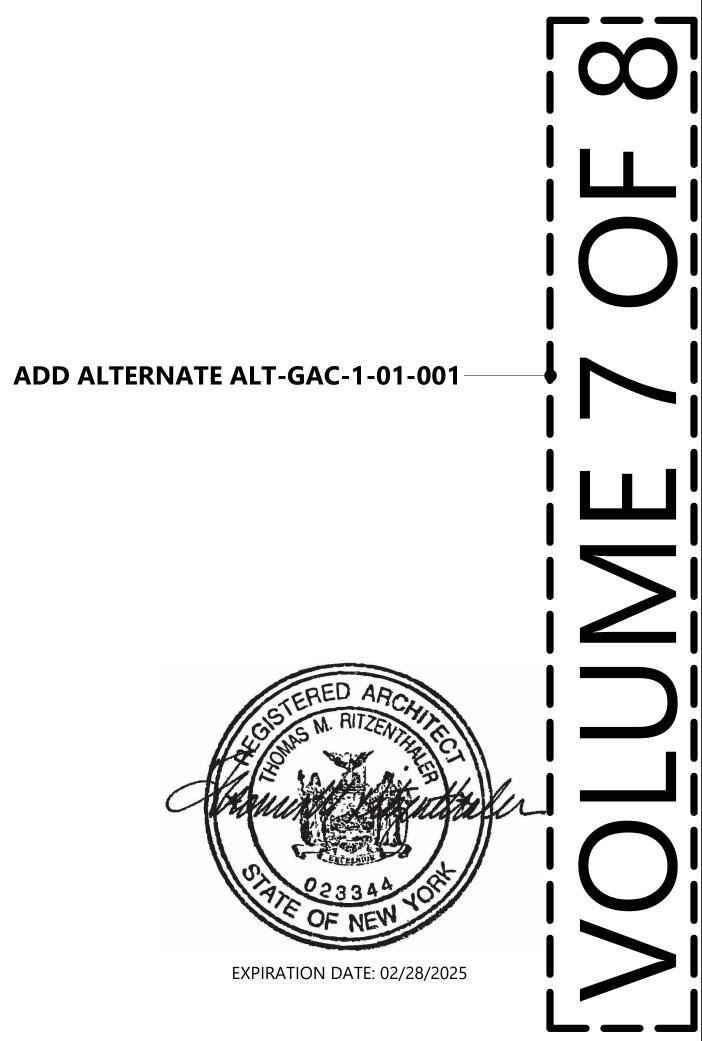
S	TR	

ADD ALTERNATE ALT-GAC-1-01-001

ADD ALTERNATE ALT-GAC-1-01-001-

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		OVERALL FLO
	WES GIZT	OVERALL FLOO
	LIFE SAFETY D	RAWINGS
	WES LS101	LIFE SAFETY P
	WES LS102	SMOKE ZONE
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		RAL DEMOLITI
1		REMOVAL PLA
	VVES ADTTT	REIVIOVAL PLA
	STRUCTURAL	DRAWINGS
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		EMOLITION D
		ELECTRICAL D

ELECTRICAL DRAWINGS WES E111 ELECTRICAL PLANS



DRAWING LIST

IEET INDEX BBREVIATIONS, AND MISC DOR PLAN - FIRST FLOOR DOR PLAN - SECOND FLOOR

PLANS E PLANS DRAWINGS ATEMENT FIRST FLOOR AREA ION DRAWINGS

ANS - FIRST & SECOND FLOOR

L NOTES, PLANS, AND DETAILS

GS PLANS - FIRST AND SECOND FLOOR AND SECTIONS DETAILS YPES YPES CEILING PLANS, DEMO PLANS, AND DETAILS DOW, & STOREFRONT DETAILS

RAWINGS PES AND SCHEDULE CHEDULE, FURNITURE, AND FLOOR FINISH PLANS

WINGS NOTES, SCHEDULE, LEGEND & DETAILS WINGS

PLANS RAWINGS L NOTES, LEGENDS, SCHEDULES & DETAILS

DRAWINGS DEMOLITION PLANS

L PLANS

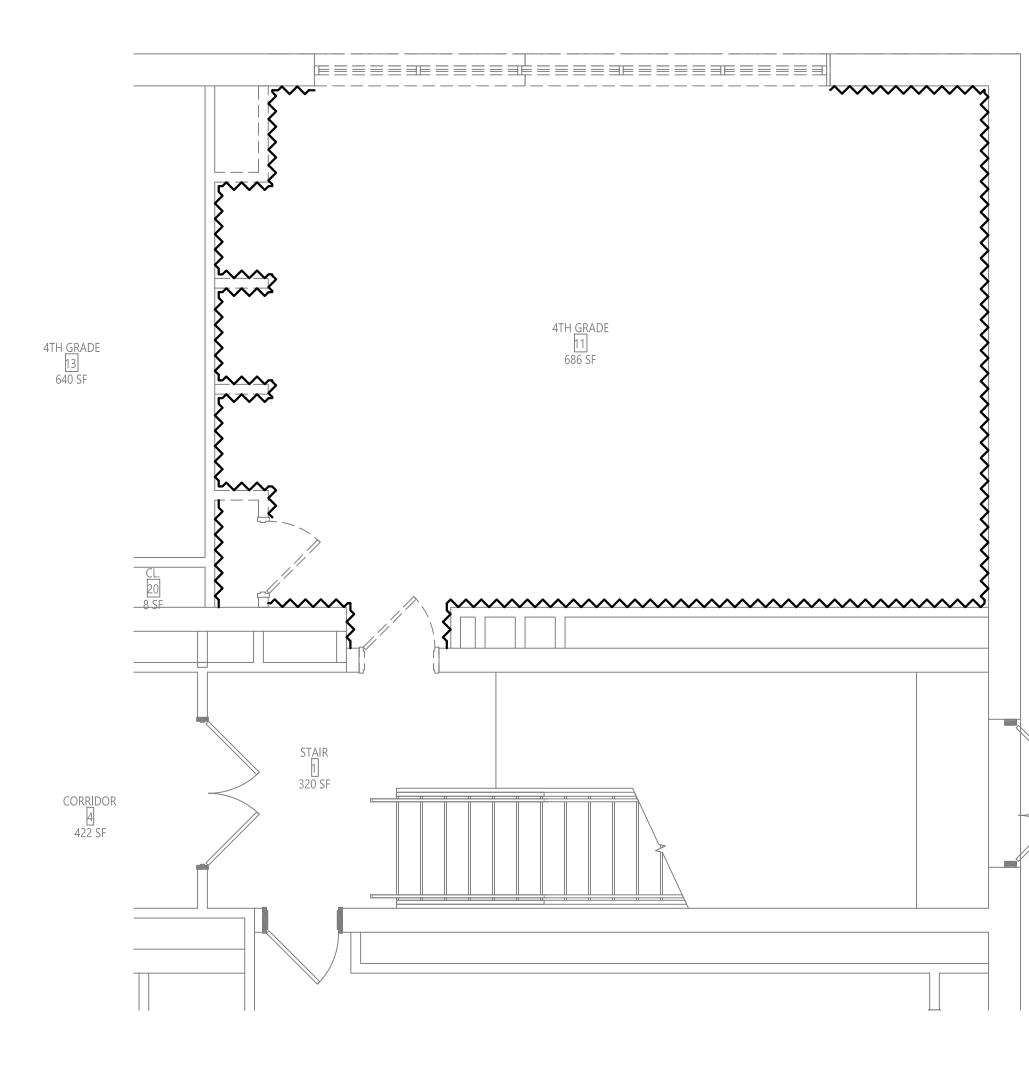
WINGS NOTES, LEGENDS, SCHEDULES & DETAILS

DRAWINGS DEMOLITION PLANS

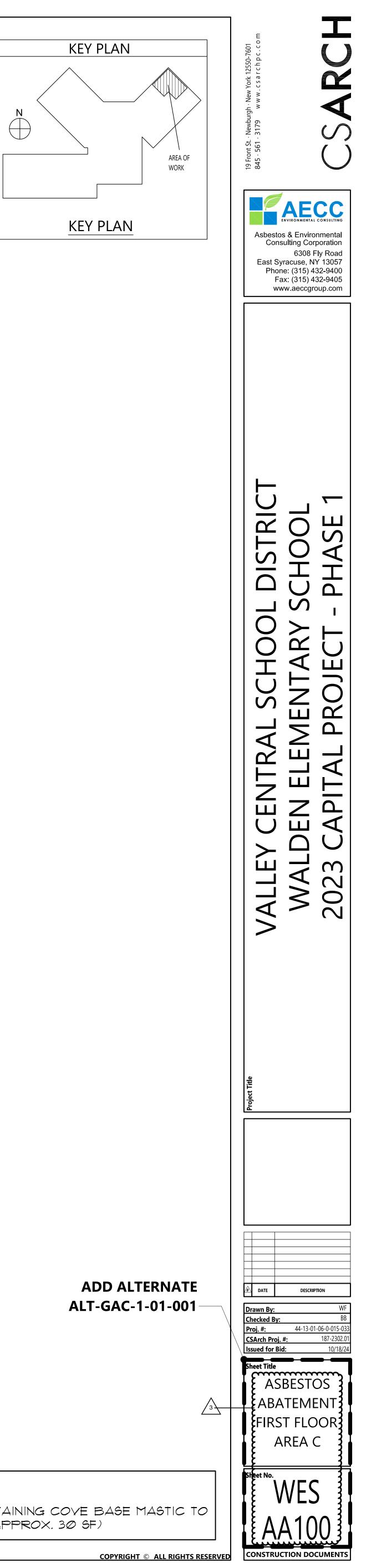
- 1. CONTRACTOR TO PROTECT THEIR EMPLOYEES WITH ADEQUATE PERSONAL PROTECTIVE EQUIPMENT AT ALL TIMES, WHEN PERFORMING WORK ON THIS PROJECT.
- 2. DISTRICT TO PROVIDE A WATER SUPPLY AND AN ELECTRICAL POWER SOURCE ON THIS PROJECT TO CONDUCT WORK ACTIVITIES. CONTRACTOR TO PROVIDE ALL INTERCONNECTS FOR WATER/POWER 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.

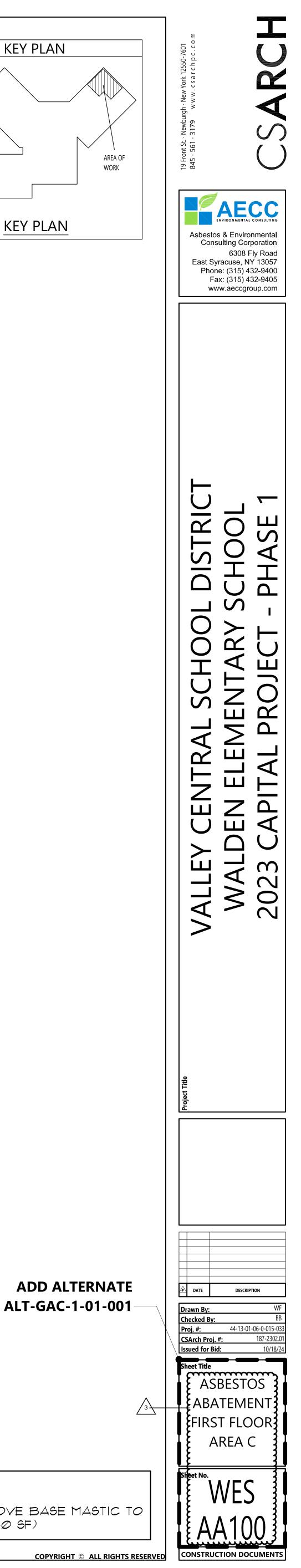
ASBESTOS ABATEMENT NOTES:

- 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 (12) 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 THE CONTRACTOR SHALL FIRM ON THIS PROJECT. 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.









LEGEND:

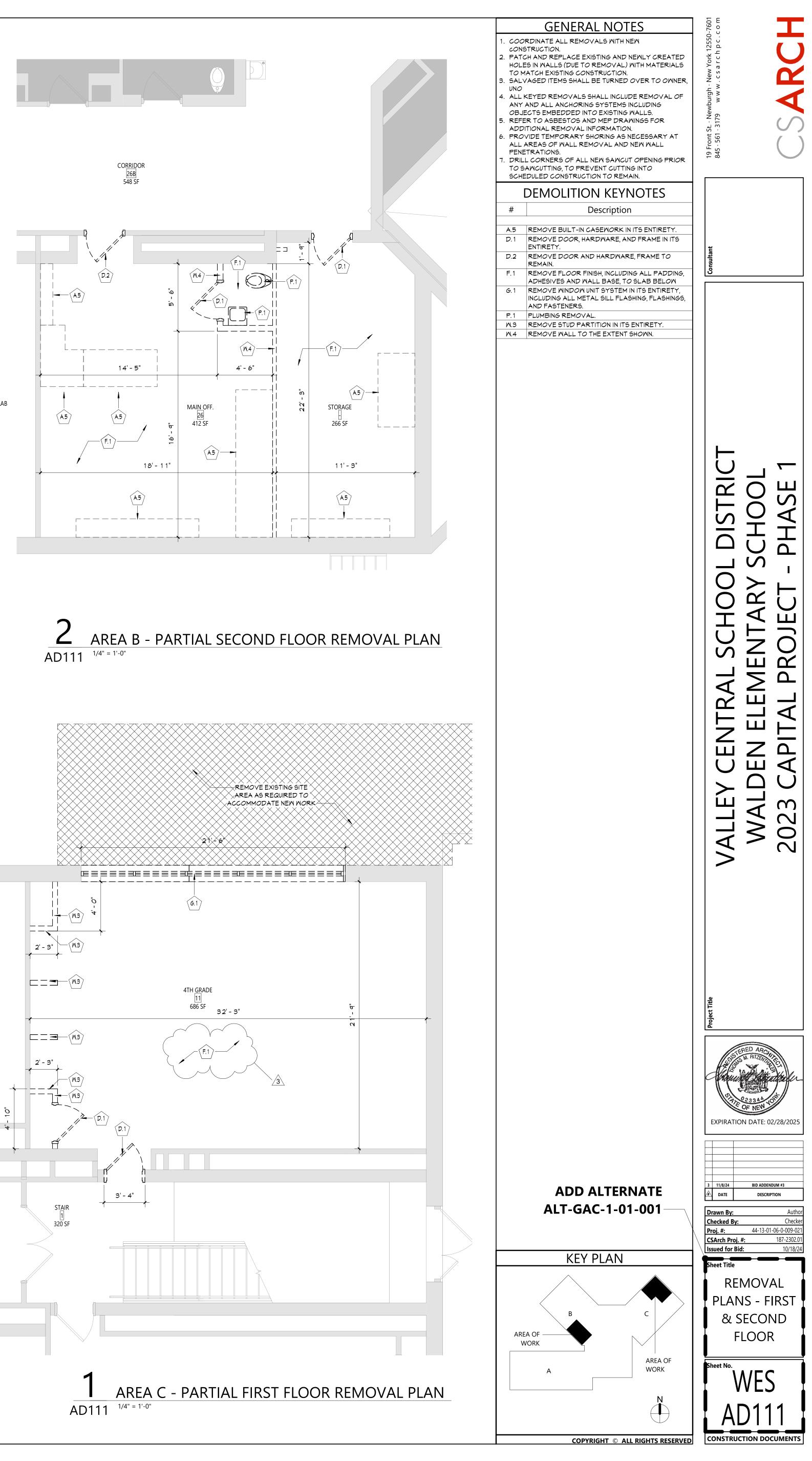
ASBESTOS-CONTAINING COVE BASE MASTIC TO BE REMOVED (APPROX, 30 SF) $\sim \sim \sim \sim$

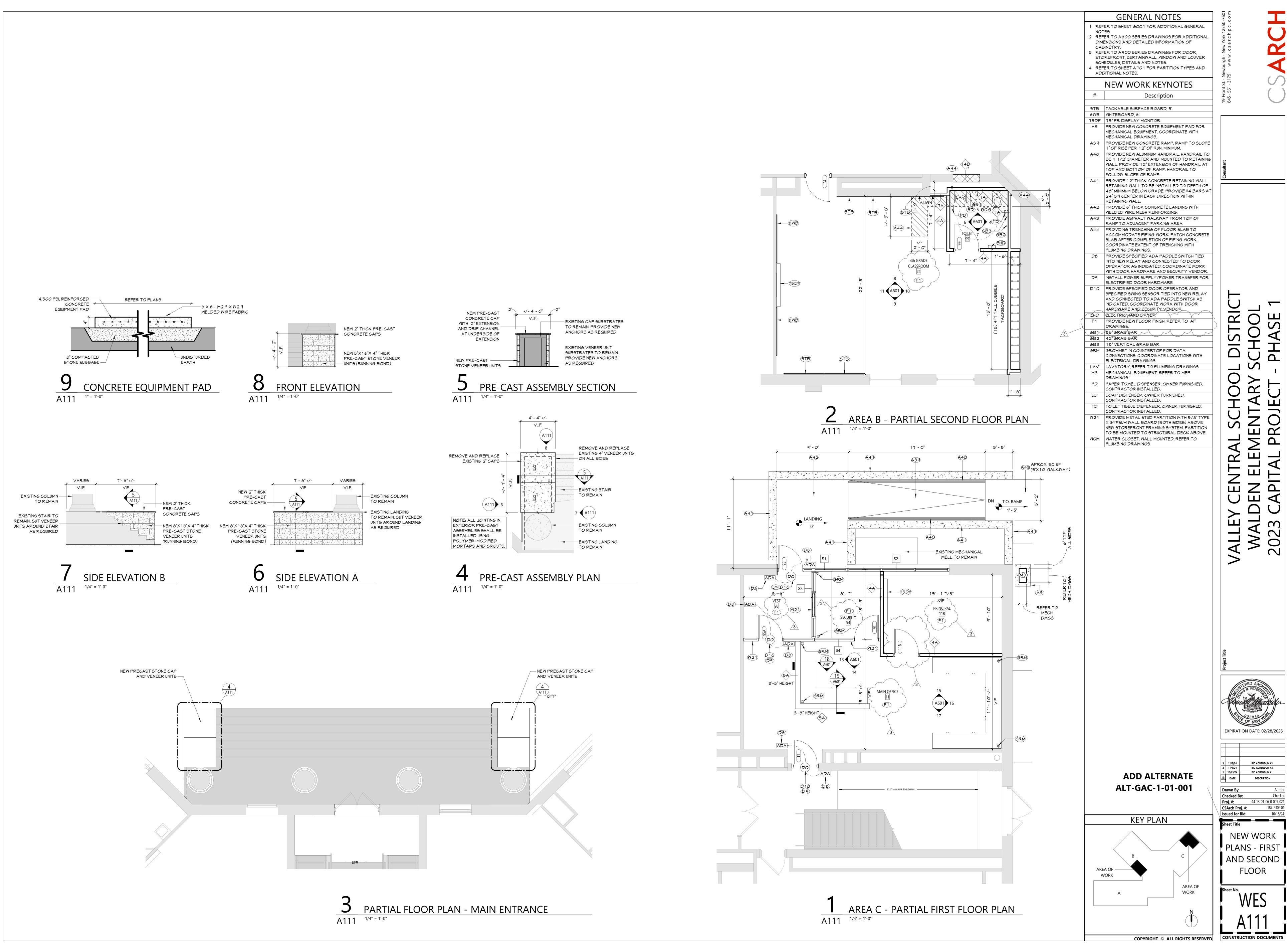
COMPUTER LAB 1377 SF

422 SF

CORRIDOR 4

4TH GRADE 13 640 SF





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