

ADDENDUM NO. 05

PROJECT: South Orangetown Central School District
PHASE 2: 2022 BOND

CPL PROJECT NO. 14457.20

DATE: November 19, 2024

Include this Addendum as part of the Contract Documents. It supplements portions of the original specifications and drawings, the extent of which shall remain, except as revised herein:

CLARIFICATIONS

- 1.1 PLUMBING CONTRACT HAS BEEN ELIMINATED DUE TO A CHANGE IN SCOPE. REMAINING PLUMBING SCOPE IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
- 1.2 All RFI's have been responded to. RFI's received after 11/15/24 are attached to this Addendum.
- 1.3 Weight Room, Fire Brick in Boiler Room Incinerator and pipe tunnels have been tested and all samples came back negative.
- 1.4 Drawing H102; Plan 1/H102: There is no concrete pad under the existing SSO outside of room 308. Existing SSO is mounted on wood planks.

CHANGES TO THE SPECIFICATIONS

- 2.1 Specification Section 003114 CONSTRUCTION SCHEDULE & PHASING PLANS: Replace with attached revised Section 003114 & attached revised PHASING PLANS
- 2.2 Specification Section 003126 HAZARDOUS MATERIAL INFORMATION: Replace with attached revised Section 003126.
- 2.3 Specification Section 004000: Replace with attached revised Section 004000
- 2.4 Specification Section 004001: Replace with attached revised Section 004001
- 2.5 Specification Section 004002: Replace with attached revised Section 004002
- 2.6 OMIT Specification Section 004003 FORM OF PROPOSAL – PLUMBING CONSTRUCTION
- 2.7 Specification Section 004004: Replace with attached revised Section 004004



- 2.8 Specification Section 011000 SUMMARY: Part 1.04, Item B.1.: REVISE as follows:
Project will be constructed under four (4) coordinated, concurrent multiple contracts.
See Division 01 Section "Multiple Contract Summary" for a description of work included under each of the multiple contracts.
- 2.9 Specification Section 011200 MULTIPLE CONTRACT SUMMARY:
Replace with attached revised Section 011200
- 2.10 Specification Section 012100 ALLOWANCES:
 - a. Part 3.04, Item A: REVISE MC-1 Contingency Allowance to be \$155,000.
 - b. OMIT Part 3.05
- 2.11 After Specification Section 012100: ADD attached Section 012200 UNIT PRICES
- 2.12 Specification Section 012300 ALTERNATES:
 - a. Part 3, Item 4.01, B: After MC-01 ADD:
 - Alternate No. MC-02: PIPE REMOVAL IN TUNNELS**
 - a. Base Bid: Demolish all steam piping as shown on Drawing H100G
 - b. Alternate: All steam piping on Drawing H100G shall be cut at the main, capped and abandoned in place. Branches to the unit heaters shall be removed back to the main and capped.
 - b. Part 3, Item 4.01: OMIT ITEM C. PLUMBING CONSTRUCTION
- 2.13 Specification Section 020800 ASBESTOS ABATEMENT PROCEDURES: Replace with attached revised Section 020800
- 2.14 Specification Section 090561 COMMON WORK RESULTS FOR FLOORING PREPARATION: Replace with attached revised Section 090561
- 2.15 Specification Section 224000 PLUMBING FIXTURES:
 - a. OMIT Parts 2.04, 2.05 & 2.06

CHANGES TO THE DRAWINGS

- 3.1 Drawing HZ101: Replace with attached revised HZ101
- 3.2 Drawing HZ102: Replace with attached revised HZ102
- 3.3 Drawing HZ103: Replace with attached revised HZ103
- 3.4 Drawings A102 & A104: DEMOLITION KEY NOTES LEGEND;
 - a. REVISE KEYNOTE D3 as follows:
"REMOVE SLIDING DOOR, FRAME AND HARDWARD IN ITS ENTIRETY.
THRESHOLD TO REMAIN UNDISTRUBED AND TO BE REMOVED BY ABATEMENT CONTRACTOR"
 - b. OMIT KEYNOTE M5
 - c. OMIT KEYNOTE P2
 - d. REVISE KEYNOTE P1 as follows:
"M.C. TO REMOVE EXISTING SINK. REFER TO PLUMBING DRAWINGS"

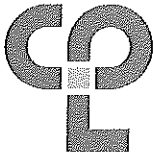


- 3.5 Drawing A103: Replace with attached revised A103
- 3.6 Drawing A105: Replace with attached revised A105
- 3.7 Drawing A203: Replace with attached revised A203
- 3.8 Drawing A205: Replace with attached revised A205
- 3.9 Drawing A700:
 - a. OMIT Elevations 10/A700, 11/A700, 12/A700, 13/A700 & 14/A700
 - b. OMIT CASEWORK KEYNOTE 4
- 3.10 OMIT Drawing A701
- 3.11 Drawing A800: Replace with attached revised A800
- 3.12 Drawing A801: Replace with attached revised A801
- 3.13 Drawing I000: INTERIOR FINISH SCHEDULE: OMIT SOLID SURFACE MATERIAL SSM-1
- 3.14 Drawings I201, I202 & I203: FINISH PLAN KEY NOTES LEGEND;
 - a. REVISE KEYNOTE 6 as follows: "ETR WOOD PANELING ALONG TOP OF WALL TO RECEIVE PT-1, FULL EXTENT OF ROOM."
- 3.15 Drawing I202: Replace with attached revised I202
- 3.16 Drawing H102: REVISE KEYNOTE 4 as follows:
REMOVE EXISTING REFRIGERANT PIPING FROM CONDENSING UNIT OUTSIDE OF CLASSROOM TO THE SPLIT UNIT IN THE CLASSROOM. PRIOR TO REMOVAL, DRAIN ALL PIPING AND DISPOSE OF ALL REFRIGERANT PER THE LATEST ADAPTED RULES AND REGULATION BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA). CONTRACTOR OR TECHNICIAN PERFORMING THE WORK SHALL BE AN EPA APPROVED AGENCY OR ORGANIZATION. REMOVE EXISTING INDOOR AND OUTDOOR SPLIT SYSTEMS.
- 3.17 Drawing H103: Replace with attached revised H103.
- 3.18 Drawing H112: Replace with attached revised H112.
- 3.19 Drawing H212: Replace with attached revised H212.
- 3.20 Drawing H303: Replace with attached revised H303.
- 3.21 Drawing H700: REVISE KEYNOTE 2 as follows:
REMOVE BOILER, FLUE, BLOW DRAIN PIPING, GAS VENT PIPING AND CONTROLS. GC TO REMOVE HOUSEKEEPING PAD.
- 3.22 Drawing H701: Replace with attached revised H701.



- 3.23 Drawing H802: OMIT DETAIL 3. EQUIPMENT HOUSE KEEPING PAD
- 3.24 Drawing H902: Replace with attached revised H902.
- 3.25 Drawing P000:
 - a. OMIT 5/P000, TYPICAL SINK FIT-UP DETAIL
 - b. PLUMBING EQUIPMENT & FIXTURE SCHEDULE:
 - i. OMIT SK-1
 - ii. OMIT SK-2
- 3.26 Drawing P101:
 - a. OMIT 2/P101 DEMOLITION PLAN – AREA C2
 - b. OMIT KEYNOTES 1, 2 & 3
- 3.27 Drawing P201:
 - a. OMIT 1/P201 INSTALATION PLAN – AREA C2
 - b. OMIT KEYNOTE 1
- 3.28 Drawing E102: Replace with attached revised E102
- 3.29 Drawing E202: Replace with attached revised E202
- 3.30 Drawing E302: Replace with attached revised E302
- 3.31 Drawing T101: Replace with attached revised T101
- 3.32 Drawing T201: Replace with attached revised T201

END OF ADDENDUM NO. 05



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REQUEST FOR INFORMATION	RFI #: <u>1</u>
	Date: <u>11/18/24</u>

SOCS D PHASE 2: 2022 BOND: 14457.20

Contractor Name: Hauser Bros.

To: Lisa Fasciglione Firm: CPL

From: Tim Donovan

WE REQUEST YOUR ATTENTION (OR CONFIRMATION) REGARDING THE FOLLOWING:

Subject: Bid Date Extension

Location: TZEE HS

Information is Requested By: Tim Donovan

MESSAGE: Procuring pricing from subs and vendors has been difficult, along with the magnitude of Mechanical package is making it very difficult to put together a representative bid for this project. We would request an extension of at least a week for bid date.

_____ **BID DATE WILL REMAIN AS SCHEDULED.** _____
 _____ **PLEASE REFER TO ADDENDUM #5 FOR ELIMINATION OF THE PLUMBING CONTRACT.** _____

_____ **LFASCIGLIONE 11/19/24** _____

Contractors Name: Hauser Bros.

By: Tim Donovan Date: 11/18/24

CPL
26 IBM Road
Poughkeepsie NY, 12601
CPLteam.com
800.294.9000 TEL



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REQUEST FOR INFORMATION	RFI #: <u>1</u>
	Date: <u>11/18/24</u>

SOCSD PHASE 2: 2022 BOND: 14457.20

Contractor Name: INTERNATIONAL ASBESTOS REMOVAL INC.

To: LISA FASCIGLIONE Firm: CPL

From: JOHN BARONE

WE REQUEST YOUR ATTENTION (OR CONFIRMATION) REGARDING THE FOLLOWING:

Subject: ASBESTOS ABATEMENT DRAWINGS H2101, H2102, H2-103
NOTE # 8

Location: _____

Information is Requested By: _____

MESSAGE: Upon receiving Addenda #3 we noticed Note #8 which states: "All work associated with Asbestos Abatement plans NOTES 5, 7, 8 (or subsection 02813) shall be performed in accordance with Asbestos Variance File 22-0534 as appended to section 02813 Asbestos remediation."

Unable to locate variance file 22-0534, referenced notes 5, 7, 8 or section 02813. Please Advise.

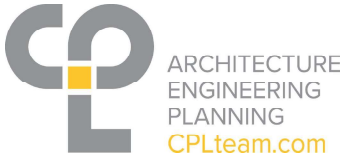
PLEASE OMIT THIS NOTE, THIS WILL BE OMITTED IN ADDENDUM #5

LFASCIGLIONE 11/19/24

Contractors Name: INTERNATIONAL ASBESTOS REMOVAL INC.

By: *John Barone* Date: 11/18/24

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26 IBM Road
Poughkeepsie NY, 12601
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800.294.9000 TEL



REQUEST FOR INFORMATION	RFI #: 1
	Date: 11/18/24

SOCSD PHASE 2: 2022 BOND: 14457.20

Contractor Name: Renu Contracting & Restoration, Inc.

To: Lisa Fasciglione Firm: CPL

From: Dante Francis

WE REQUEST YOUR ATTENTION (OR CONFIRMATION) REGARDING THE FOLLOWING:

Subject: Concrete Pads Responsibility

Location: _____

Information is Requested By: Renu Contracting & Restoration, Inc.

MESSAGE: Refer to Mechanical DWG H802; Detail 3 shows concrete pad. Please clarify if GC or M.C. is responsible for these pads?

PLEASE SEE ADDENDUM #5 - GC IS RESPONSIBLE FOR THESE PADS.

L.FASCIGLIONE 11/19/24

Contractors Name: _____

By: _____ Date: _____

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REQUEST FOR INFORMATION	RFI #: 2
	Date: 11/18/24

SOCSD PHASE 2: 2022 BOND: 14457.20

Contractor Name: Renu Contracting & Restoration, Inc.

To: Lisa Fasciglione Firm: CPL

From: Dante Francis

WE REQUEST YOUR ATTENTION (OR CONFIRMATION) REGARDING THE FOLLOWING:

Subject: Roof Vapor Barrier Scope of Work

Location: A210-A212

Information is Requested By: Renu Contracting & Restoration, Inc.

MESSAGE:

Roof general note 18 on DWG A210 asks to apply adhesive vapor barrier at all roof surfaces. Please clarify if barrier is required only at roof patch/work area or on entire roof surface?

ONLY AT ROOF PATCH/ WORK AREA.

L.FASCIGLIONE 11/19/24

Contractors Name: _____

By: _____

Date: _____

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REQUEST FOR INFORMATION	RFI #: 3
	Date: 11/18/24

SOCSD PHASE 2: 2022 BOND: 14457.20

Contractor Name: Renu Contracting & Restoration, Inc.

To: Lisa Fasciglione Firm: CPL

From: Dante Francis

WE REQUEST YOUR ATTENTION (OR CONFIRMATION) REGARDING THE FOLLOWING:

Subject: Door Hardware Sets

Location: A900

Information is Requested By: Renu Contracting & Restoration, Inc.

MESSAGE:

Please provide details for hardware set given in spec. section 087100

PLEASE REFER TO PART 3.6 ITEM G FOR HARDWARE SETS BY DOOR #,
REFER TO PART 3.6 ITEM F FOR HARDWARE CODES

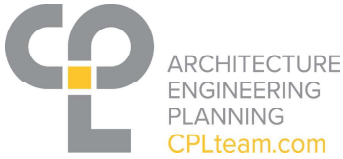
L.FASCIGLIONE 11/19/24

Contractors Name: Renu Contracting & Restoration, Inc.

By: Dante Francis

Date: 11/18/24

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Poughkeepsie NY, 12601
CPLteam.com
800.294.9000 TEL



REQUEST FOR INFORMATION	RFI #: 4
	Date: 11/18/24

SOCSO PHASE 2: 2022 BOND: 14457.20

Contractor Name: Renu Contracting & Restoration, Inc.

To: Lisa Fasciglione Firm: CPL

From: Dante Francis

WE REQUEST YOUR ATTENTION (OR CONFIRMATION) REGARDING THE FOLLOWING:

Subject: ACT salvage and reinstall responsibility

Location: A102 & A601

Information is Requested By: Renu Contracting & Restoration, Inc.

MESSAGE:

Refer to spec. 011200; article 1.06 Mechanical contract A.1 says to remove, salvage and reinstall existing acoustic ceilings. Demolition keynote C4 on DWG A102-A104 also calls for same work under contract G.C. Please clarify if M.C. or G.C. is responsible for this work?

PLEASE REFER TO ADDENDUM #5 FOR UPDATED SPEC 011200. CEILING WORK IS BY MC/EC IN AREAS OUTSIDE OF GC'S SCOPE OF WORK.

L.FASCIGLIONE 11/19/24

Contractors Name: Renu Contracting & Restoration, Inc.

By: Dante Francis

Date: 11/18/24

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REQUEST FOR INFORMATION	RFI #: 5
	Date: 11/18/24

SOCSD PHASE 2: 2022 BOND: 14457.20

Contractor Name: Renu Contracting & Restoration, Inc.

To: Lisa Fasciglione Firm: CPL

From: Dante Francis

WE REQUEST YOUR ATTENTION (OR CONFIRMATION) REGARDING THE FOLLOWING:

Subject: Smartboard

Location: A700

Information is Requested By: Renu Contracting & Restoration, Inc.

MESSAGE:

Refer to DWG A202-A204; Keynote#9 says smartboard to be furnished and installed by Owner However elevations on A701 are tagged w/ OFCI for smartboard. Please clarify?

ALL SMARTBOARDS ARE TO BE FURNISHED AND INSTALLED BY OWNER. PLEASE REFER TO ADDENDUM #5.

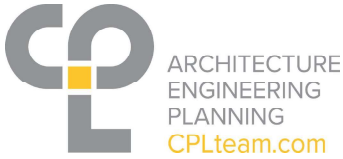
L.FASCIGLIONE 11/19/24

Contractors Name: Renu Contracting & Restoration, Inc.

By: Dante Francis

Date: 11/18/24

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REQUEST FOR INFORMATION	RFI #: 6
	Date: 11/18/24

SOCSD PHASE 2: 2022 BOND: 14457.20

Contractor Name: Renu Contracting & Restoration, Inc.

To: Lisa Fasciglione Firm: CPL

From: Dante Francis

WE REQUEST YOUR ATTENTION (OR CONFIRMATION) REGARDING THE FOLLOWING:

Subject: Casework

Location: A701 & A801

Information is Requested By: Renu Contracting & Restoration, Inc.

MESSAGE:

As per Dtl. 7/A801; laminate counter is by casework contractor however interior finish schedule on I000 shows Solid surface material (SSM-1) by GC. Please clarify who is responsible for solid surface material (SSM-1)?

Please confirm that all casework shown is by the the Casework Contractor

CONFIRMED - ALL CASEWORK SHOWN IS BY OWNERS CASEWORK CONTRACT, NOT BY GC. REFER TO ADDENDUM #5 FOR REVISED A801 AND I000.

L.FASCIGLIONE 11/19/24

Contractors Name: Renu Contracting & Restoration, Inc.

By: Dante Francis

Date: 11/18/24

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REQUEST FOR INFORMATION	RFI #: 001
	Date: 11/19/24

SOCSD PHASE 2: 2022 BOND: 14457.20

Contractor Name: United Safety LLC

To: Lisa Fasciglione Firm: CPL

From: Tatjana Cline

WE REQUEST YOUR ATTENTION (OR CONFIRMATION) REGARDING THE FOLLOWING:

Subject: Clarification on ACM mastic removal via chemical vs. grinding

Location: Tappan Zee High School, 15 Dutch Hill Road, Orangeburg, NY 10962

Information is Requested By: United Safety LLC

MESSAGE: Addendum No. 3 specifies "Grinding of ACM mastic shall be conducted in full containment where applicable." & " Limited use of NYSDOL procedures utilizing chemical removal is expected where applicable (Owner to confirm exact location/classroom)."

For bidding purposes, we need to know the exact locations that will require chemical method vs. grinding. As per NYCRR 56, removal of mastic via griding method will require an attached decon, full containment (2 layers of poly on all critical barriers and additional 2 layers of poly on walls and ceilings, 3 cleanings, etc. Please provide documentation of which classroom locations will require grinding of ACM mastic vs. chemical removal.

Please refer to Addendum #5, all VAT/mastic removal will be Chemical.

L.FASCIGLIONE 11/19/24

Contractors Name: United Safety LLC

By: Tatjana Cline, United Safety LLC

Date: 11/19/24

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800.294.9000 TEL

SECTION 003114
CONSTRUCTION SCHEDULE

SUMMER 2025 (APPLIES TO 2-YEAR & 3-YEAR PHASING SCHEDULES)

1. ROOM 415 & 421 ASBESTOS ABATEMENT & TEMPORARY FLOORING INSTALL:
Saturday April 12, 2025 through Saturday April 19, 2025

2. BOILER ROOM: commence limited demolition work Saturday April 12, 2025, through Saturday April 19, 2025. Boiler shut down Monday, May 19, 2025.

3. No work to be performed Monday, May 12, 2025 through Friday, May 16, 2025.

4. SUBSTANTIAL COMPLETION: AUGUST 22, 2025 (FRI)

SUMMER 2026 (APPLIES TO 2-YEAR & 3-YEAR PHASING SCHEDULES)

1. SUBSTANTIAL COMPLETION: AUGUST 24, 2026 (MON)

SUMMER 2027 (APPLIES TO 3-YEAR PHASING SCHEDULE)

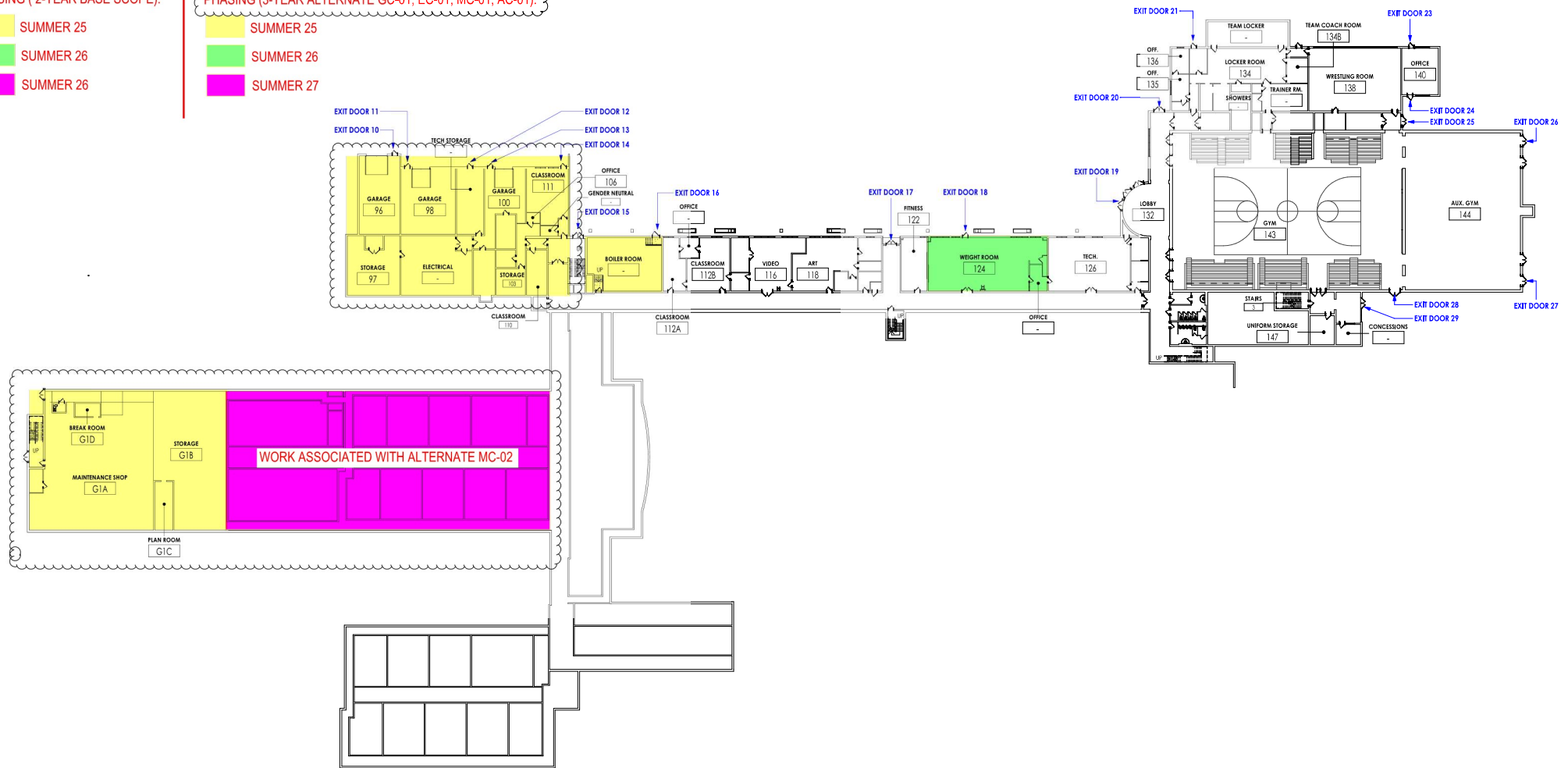
1. SUBSTANTIAL COMPLETION: AUGUST 23, 2027 (MON)

PHASING (2-YEAR BASE SCOPE):

- SUMMER 25
- SUMMER 26
- SUMMER 26

PHASING (3-YEAR ALTERNATE GC-01, EC-01, MC-01, AC-01):

- SUMMER 25
- SUMMER 26
- SUMMER 27



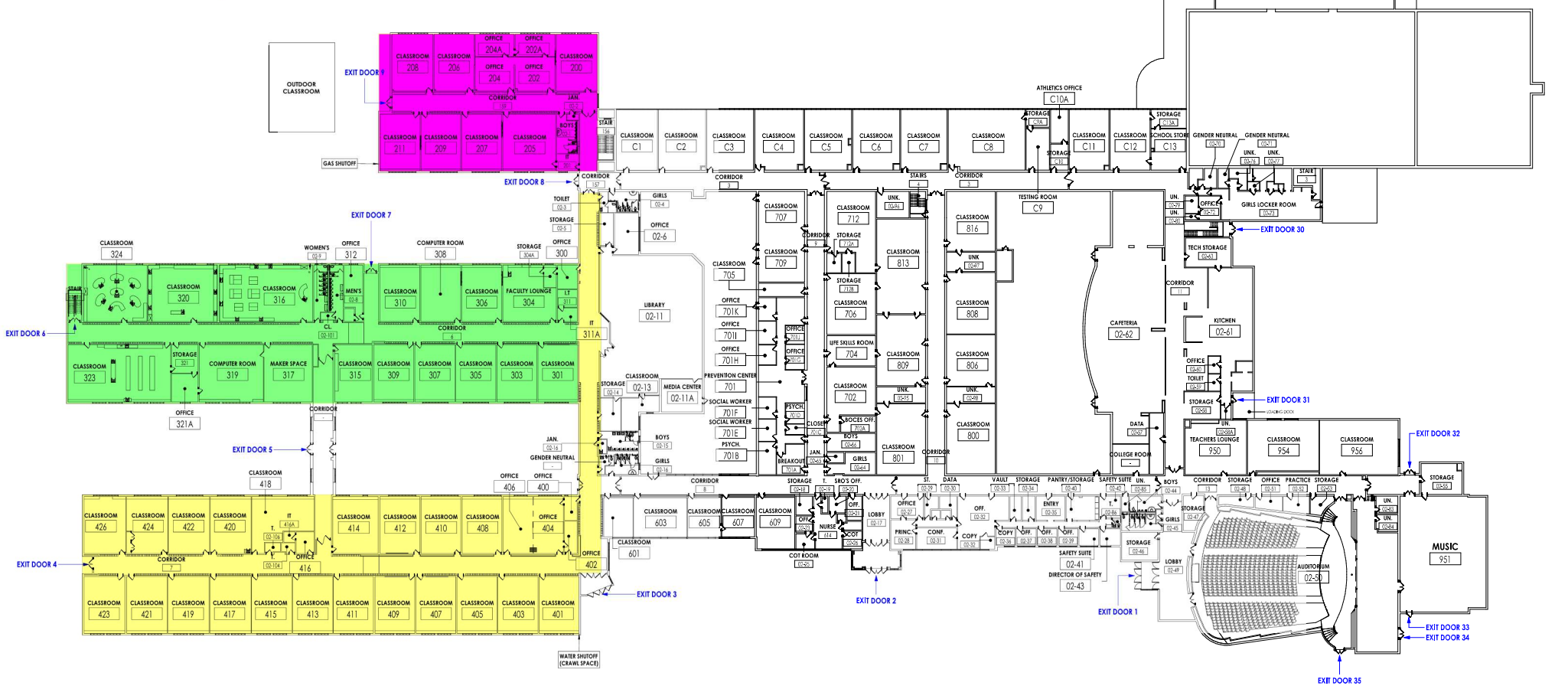
1
A01
GROUND FLOOR EXIT PLAN
1"=20'-0"

PHASING (2-YEAR BASE SCOPE):

- SUMMER 25
- SUMMER 26
- SUMMER 26

PHASING (3-YEAR ALTERNATE GC-01, EC-01, MC-01, AC-01):

- SUMMER 25
- SUMMER 26
- SUMMER 27



1 MAIN LEVEL EXIT PLAN
 1 A02
 TRUE NORTH
 1" = 20'-0"

**SECTION 003126
EXISTING HAZARDOUS MATERIAL INFORMATION**

PART 1 GENERAL

1.01 EXISTING HAZARDOUS MATERIAL INFORMATION

- A. This Section with its referenced attachments is part of the Procurement and Contracting Requirements for this Project. It provides Owner's information for Bidders' convenience and is intended to supplement, rather than serve in lieu of, Bidders' own investigations. It is made available for Bidders' convenience and information but is not a warranty of existing conditions. This Document and its attachments are not part of the Contract Documents.

B. (2) existing asbestos reports for Project, prepared by Omega Environmental Services, Inc., dated 11/11/2024, are available for viewing at the office of the Owner or Architect.

C. An existing lead report for Project, prepared by Omega Environmental Services, Inc., dated 11/11/2024, is available for viewing at the office of the Owner or Architect.

D. Related Requirements:

1. Section 002000 - Instructions to Bidders: Bidder's responsibilities for examination of Project Site and existing conditions.
2. Section 024100 - Demolition: Notification requirements if materials suspected of containing hazardous materials are encountered.
3. Section 028213 - Asbestos Remediation: Procedures for handling, removal and disposal of asbestos containing or contaminated materials.
4. Section 028300 - Lead Containing Materials: Procedures on handling, removal and disposal of lead containing materials.

PART 2 PRODUCTS – (NOT USED).

PART 3 EXECUTION – (NOT USED).

END OF SECTION

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ASBESTOS BULK SAMPLING & ANALYSIS REPORT
 [Omega Project #24-09-3258 (Previously 23-08-1864)]

CLIENT NAME/ADDRESS: Lauren Tarsio
 CPL
 30 Century Hill Drive
 Latham, NY 12110

SITE/BUILDING: Tappan Zee High School
 15 Dutch Hill Road
 Orangeburg, NY 10962

LEVEL/ROOM/AREA: 1st Floor – Partial, Auditorium
 (Accessible SOW Materials Only)

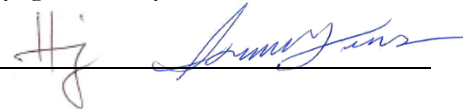
SURVEY DATE: 8/23 – 8/24/2023, 8/31/2023 (Roof Sampling),
 2/20/2024 and 9/21/2024

REPORT DATE: 5/3/2024 (Amended 11/11/2024)


PURPOSE OF ASBESTOS BULK SAMPLING: Accessible Material Survey
 Pre-Renovation

	2023	2024
SURVEY SCOPE:		
Building/Area Occupied During Survey (y/n)	No	No
Full Access (y/n)	Yes	No
Accessible Materials Only (y/n)	Yes	Yes
Probe Cuts (y/n)	Yes	Yes
Concealed Materials (y/n)	Yes	Yes
Drawings Provided (y/n)	Yes	Yes
PW-1 (NYC only)	No	No

INSPECTOR/INVESTIGATOR: Name: Gboyega Adewuyi and Ismael Torres

Signature: 

License #: 23-61DRS-SHAB/148488
 23-6TLL6-SHAB/144516

PROJECT MANAGER: Name/Signature: Anton Rezin/ 

REPORT QC BY: Name: Veronica Kero, CIH, P.E.

SUMMARY OF FINDINGS: **Asbestos Delineated (y/n)** **Yes**

SAMPLING LIMITATIONS/CONDITIONS:

It is important to note that all asbestos containing materials (ACM) may not be delineated during one single sampling event. Frequently, as a project progresses and wall/ceilings, equipment, and other concealed areas are exposed, additional bulk sampling may potentially be required.

The following limitations/exclusions apply:

1. Asbestos bulk sampling report should not be used as sole reference source to determine Contractor scope of work – additional field coordination required in order to generate “Abatement Work Plan”.
2. If scope of renovation changes, and/or walls/ceilings/chases/flooring opened, then additional asbestos bulk sampling required at a later date.
3. Until selective demolition is performed, all concealed materials cannot be viewed or accessed for sampling.
4. All sampling is representative in nature and does not reflect every square inch of material.
5. Roof/façade sampling: Roof leaks may occur as a result of roof bulk sampling. Omega will utilize temporary roof patch; however, since Omega is not a professional roofer, we cannot make guarantees or maintain warranties against roof leakage.
6. Findings are representative of site conditions on day of investigation.
7. Subject survey conducted according to published regulations in effect on survey date.

Building/Area Description:

The subject building would be described as a school facility.

The bulk sampling was performed in/on the 1st floor (partial), Auditorium, and Roof.

Asbestos Sample Analysis Methods and Sample Count:

- *PLM by EPA 600/M4/82/080 and NYS 198.1*(friable): # samples collected 124
- *TEM-NOB by NYS ELAP 198.4* (non-friable): # samples collected 125
- *PLM-NOB by NYS ELAP 198.6* (non-friable): # samples collected 125

Bulk samples were submitted to ELAP accredited Laboratory Testing Services / accreditation #10955 utilizing sealed chain-of-custody procedures.

Definitions:

ACM: asbestos containing material

RACM: regulated asbestos containing material

VCM: vermiculite containing material

TSI: thermal system insulation (pipe insulation)

SSI: surfacing material (spray-on fireproofing, plaster, etc.)

Miscellaneous finish material: sheetrock, floor tile, roofing, other

NOB: non-organically bound non-friable material (e.g. roofing, floor tile, etc.)

Significantly damaged: 20% or more of asbestos surfacing material has visible damage.

Damaged: less than 20% or asbestos surfacing material has visible damage or damage is scattered such that less than 20% of total surface area impacted.

No visible damage: no visible damage noted.

Criteria for Positive Classification as Regulated Asbestos Containing Material (RACM):

Asbestos containing material (ACM)

The EPA defines ACM as any material having an Asbestos content greater than 1%. If the analytical results for any sample of suspected material indicate that asbestos is present above a level of one percent, the building material is classified as regulated ACM (RACM) which triggers management and/or abatement, if impacted.

Vermiculite

NYSDOH requires additional second tier analysis of spray-on fireproofing and other surfacing materials found to contain 1% or greater vermiculite during standard PLM bulk sample analysis. The purpose of the NYS ELAP 198.8 method is to reduce background interference in order to verify asbestos content down to 1%.

Representative Nature of All Sampling:

The purpose of bulk sampling is to characterize representative materials, not remove and test every square inch of material. The Inspector/Investigator uses a combination of EPA recommended bulk sampling criteria and professional judgment to select representative sampling locations of each suspect material type. In certain rare cases, building materials may appear to be homogeneous (e.g. plaster, roofing, etc.) but vary section to section due to patching, different installation methods floor-to-floor, and other causes. Additional testing beyond normal survey protocol can be required for these scenarios.

Asbestos Survey Methodology:

HOMOGENEOUS AREAS: A homogeneous area is a portion of a building/structure with similar/same installed materials such that bulk analysis results from one area can be applied in the next for the purpose of asbestos quantification.

'FIRST POSITIVE STOP': In order to reduce unnecessary survey laboratory analysis costs when samples are collected in groups of three (3) or two (2), as required by EPA sampling criteria, when the first or second sample is reported as positive in a group, then the additional samples are declared positive with no analysis.

SAMPLING FROM SLAB UP: Because older/original bottom layer materials are more likely to contain asbestos versus newer layers, materials such as floor tiles and roofing are sampled from the slab up. If a positive lower or middle layer is identified, all materials in the layered system can be declared ACM if they cannot be separated during the abatement process.

SHEETROCK JOINT COMPOUND TESTING: Since most sheetrock wallboard systems are painted, it is difficult to impossible to assess where one type of material starts and ends. EPA has published memos concerning composite sampling that were not approved by OSHA which requires discrete sampling. This agency does not recognize composite testing of joint compound for the purpose of preventing employee exposure. NYSDOH also requires separate sampling of joint compound. The PLM analysis method has been generally utilized for this material type, where samples in the trace-1% inconclusive range are also run by TEM-NOB for additional accuracy.

Asbestos Bulk Sampling & Analysis Results:

Representative bulk sampling and analysis was conducted on 8/23 – 8/24/2023, 8/31/2023, and 2/20/2024 by Gboyega Adewuyi and Ismael Torres according to the following:

SAMPLE ID	HA	SAMPLE LOCATION	MATERIAL DESCRIPTION	EST. # OF LAYERS	FRIABLE/NON-FRIABLE	LAB RESULTS	
						%Asbestos	%Vermiculite
8/23 – 8/24/2023 Sampling Event							
1	01	1 st Floor – Area: A, B, C1, C2, D1, D2	Green 9x9 VAT	2	Non-Friable	5.2% Chrysotile	N/A
2	01	1 st Floor – Area: A, B, C1, C2, D1, D2	Green 9x9 VAT	2	Non-Friable	Positive Stop	-
3	02	1 st Floor – Area: A, B, C1, C2, D1, D2	Green 9x9 VAT Mastic	2	Non-Friable	1.8% Chrysotile	N/A
4	02	1 st Floor – Area: A, B, C1, C2, D1, D2	Green 9x9 VAT Mastic	2	Non-Friable	Positive Stop	-
5	03	1 st Floor – Area: A, B, C1, C2, D1, D2	Dark Brown 9x9 VAT	2	Non-Friable	4.8% Chrysotile	N/A
6	03	1 st Floor – Area: A, B, C1, C2, D1, D2	Dark Brown 9x9 VAT	2	Non-Friable	Positive Stop	-
7	04	1 st Floor – Area: A, B, C1, C2, D1, D2	Dark Brown 9x9 VAT Mastic	2	Non-Friable	1.9% Chrysotile	N/A
8	04	1 st Floor – Area: A, B, C1, C2, D1, D2	Dark Brown 9x9 VAT Mastic	2	Non-Friable	Positive Stop	-
9	05	1 st Floor – Area: A, B, C1, C2, D1, D2	Carpet Mastic	1	Non-Friable	None Detected	None Detected
10	05	1 st Floor – Area: A, B, C1, C2, D1, D2	Carpet Mastic	1	Non-Friable	None Detected	None Detected
11	06	1 st Floor – Area: A, B, C1, C2, D1, D2	Dark Beige 9x9 VAT	2	Non-Friable	2.0% Chrysotile	N/A
12	06	1 st Floor – Area: A, B, C1, C2, D1, D2	Dark Beige 9x9 VAT	2	Non-Friable	Positive Stop	-
13	07	1 st Floor – Area: A, B, C1, C2, D1, D2	Dark Beige 9x9 VAT Mastic	2	Non-Friable	0.57% Chrysotile	N/A
14	07	1 st Floor – Area: A, B, C1, C2, D1, D2	Dark Beige 9x9 VAT Mastic	2	Non-Friable	1.9% Chrysotile	N/A
15	08	1 st Floor – Area: A, B, C1, C2, D1, D2	Brown 9x9 VAT	2	Non-Friable	8.7% Chrysotile	N/A
16	08	1 st Floor – Area: A, B, C1, C2, D1, D2	Brown 9x9 VAT	2	Non-Friable	Positive Stop	-
17	09	1 st Floor – Area: A, B, C1, C2, D1, D2	Brown 9x9 VAT Mastic	2	Non-Friable	0.28% Chrysotile	N/A
18	09	1 st Floor – Area: A, B, C1, C2, D1, D2	Brown 9x9 VAT Mastic	2	Non-Friable	0.21% Chrysotile	N/A
19	10	1 st Floor – Area: A, B, C1, C2, D1, D2	1x1 Fissured Ceiling Tile	1	Non-Friable	None Detected	None Detected
20	10	1 st Floor – Area: A, B, C1, C2, D1, D2	1x1 Fissured Ceiling Tile	1	Non-Friable	None Detected	None Detected
21	11	1 st Floor – Area: A, B, C1, C2, D1, D2	Light Brown 9x9 VAT	2	Non-Friable	9.7% Chrysotile	N/A

SAMPLE ID	HA	SAMPLE LOCATION	MATERIAL DESCRIPTION	EST. # OF LAYERS	FRIABLE/NON-FRIABLE	LAB RESULTS	
						%Asbestos	%Vermiculite
22	11	1 st Floor – Area: A, B, C1, C2, D1, D2	Light Brown 9x9 VAT	2	Non-Friable	Positive Stop	-
23	12	1 st Floor – Area: A, B, C1, C2, D1, D2	Light Brown 9x9 VAT Mastic	2	Non-Friable	0.65% Chrysotile	N/A
24	12	1 st Floor – Area: A, B, C1, C2, D1, D2	Light Brown 9x9 VAT Mastic	2	Non-Friable	1.4% Chrysotile	N/A
25	13	1 st Floor – Area: A, B, C1, C2, D1, D2	Fiberglass Pipe Insulation Wrap	1	Friable	None Detected	None Detected
26	13	1 st Floor – Area: A, B, C1, C2, D1, D2	Fiberglass Pipe Insulation Wrap	1	Friable	None Detected	None Detected
27	13	1 st Floor – Area: A, B, C1, C2, D1, D2	Fiberglass Pipe Insulation Wrap	1	Friable	None Detected	None Detected
28	14	1 st Floor – Area: A, B, C1, C2, D1, D2	HVAC Duct Wrap	1	Non-Friable	None Detected	None Detected
29	14	1 st Floor – Area: A, B, C1, C2, D1, D2	HVAC Duct Wrap	1	Non-Friable	Trace Chrysotile	N/A
30	14	1 st Floor – Area: A, B, C1, C2, D1, D2	HVAC Duct Wrap	1	Non-Friable	Trace Chrysotile	N/A
31	15	1 st Floor – Area: A, B, C1, C2, D1, D2	Tectum Ceiling	1	Friable	None Detected	None Detected
32	15	1 st Floor – Area: A, B, C1, C2, D1, D2	Tectum Ceiling	1	Friable	None Detected	None Detected
33	15	1 st Floor – Area: A, B, C1, C2, D1, D2	Tectum Ceiling	1	Friable	None Detected	None Detected
34	16	1 st Floor – Area: A, B, C1, C2, D1, D2	Fiberglass Pipe Insulation Wrap with Tar	1	Non-Friable	Trace Chrysotile	N/A
35	16	1 st Floor – Area: A, B, C1, C2, D1, D2	Fiberglass Pipe Insulation Wrap with Tar	1	Non-Friable	Trace Chrysotile	N/A
36	16	1 st Floor – Area: A, B, C1, C2, D1, D2	Fiberglass Pipe Insulation Wrap with Tar	1	Non-Friable	Trace Chrysotile	N/A
37	17	1 st Floor – Area: A, B, C1, C2, D1, D2	Laboratory Countertop	1	Friable	None Detected	None Detected
38	17	1 st Floor – Area: A, B, C1, C2, D1, D2	Laboratory Countertop	1	Friable	None Detected	None Detected
39	18	1 st Floor – Area: A, B, C1, C2, D1, D2	Laboratory Tabletop	1	Friable	None Detected	None Detected
40	18	1 st Floor – Area: A, B, C1, C2, D1, D2	Laboratory Tabletop	1	Friable	None Detected	None Detected
41	19	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Off-White VAT	2	Non-Friable	None Detected	None Detected
42	19	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Off-White VAT	2	Non-Friable	None Detected	None Detected
43	20	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Off-White VAT Mastic	2	Non-Friable	None Detected	None Detected
44	20	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Off-White VAT Mastic	2	Non-Friable	None Detected	None Detected
45	21	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Beige VAT	2	Non-Friable	None Detected	None Detected

SAMPLE ID	HA	SAMPLE LOCATION	MATERIAL DESCRIPTION	EST. # OF LAYERS	FRIABLE/NON-FRIABLE	LAB RESULTS	
						%Asbestos	%Vermiculite
46	21	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Beige VAT	2	Non-Friable	None Detected	None Detected
47	22	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Beige VAT Mastic	2	Non-Friable	None Detected	None Detected
48	22	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Beige VAT Mastic	2	Non-Friable	None Detected	None Detected
49	23	1 st Floor – Area: A, B, C1, C2, D1, D2	Window Caulking	1	Non-Friable	None Detected	None Detected
50	23	1 st Floor – Area: A, B, C1, C2, D1, D2	Window Caulking	1	Non-Friable	None Detected	None Detected
51	24	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Beige VAT – Bottom Layer	4	Non-Friable	None Detected	None Detected
52	24	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Beige VAT – Bottom Layer	4	Non-Friable	None Detected	None Detected
53	25	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Beige VAT – Bottom Layer Mastic	4	Non-Friable	None Detected	None Detected
54	25	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Beige VAT – Bottom Layer Mastic	4	Non-Friable	None Detected	None Detected
55	26	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Beige VAT with Blotches – Top Layer	4	Non-Friable	None Detected	None Detected
56	26	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Beige VAT with Blotches – Top Layer	4	Non-Friable	None Detected	None Detected
57	27	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Beige VAT with Blotches – Top Layer Mastic	4	Non-Friable	None Detected	None Detected
58	27	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Beige VAT with Blotches – Top Layer Mastic	4	Non-Friable	None Detected	None Detected
59	28	1 st Floor – Area: A, B, C1, C2, D1, D2	2x4 Fissured Ceiling Tile	1	Non-Friable	None Detected	None Detected
60	28	1 st Floor – Area: A, B, C1, C2, D1, D2	2x4 Fissured Ceiling Tile	1	Non-Friable	None Detected	None Detected
61	29	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Light Grey VAT with Blotches	2	Non-Friable	None Detected	None Detected
62	29	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Light Grey VAT with Blotches	2	Non-Friable	None Detected	None Detected
63	30	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Light Grey VAT with Blotches Mastic	2	Non-Friable	None Detected	None Detected
64	30	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Light Grey VAT with Blotches Mastic	2	Non-Friable	None Detected	None Detected
65	31	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Light Grey VAT	2	Non-Friable	None Detected	None Detected
66	31	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Light Grey VAT	2	Non-Friable	None Detected	None Detected
67	32	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Light Grey VAT Mastic	2	Non-Friable	None Detected	None Detected

SAMPLE ID	HA	SAMPLE LOCATION	MATERIAL DESCRIPTION	EST. # OF LAYERS	FRIABLE/NON-FRIABLE	LAB RESULTS	
						%Asbestos	%Vermiculite
68	32	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Light Grey VAT Mastic	2	Non-Friable	None Detected	None Detected
69	33	1 st Floor – Area: A, B, C1, C2, D1, D2	2x2 Fissured Ceiling Tile	1	Non-Friable	None Detected	None Detected
70	33	1 st Floor – Area: A, B, C1, C2, D1, D2	2x2 Fissured Ceiling Tile	1	Non-Friable	None Detected	None Detected
71	34	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Light Brown VAT	2	Non-Friable	None Detected	None Detected
72	34	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Light Brown VAT	2	Non-Friable	None Detected	None Detected
73	35	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Light Brown VAT Mastic	2	Non-Friable	None Detected	None Detected
74	35	1 st Floor – Area: A, B, C1, C2, D1, D2	12x12 Light Brown VAT Mastic	2	Non-Friable	None Detected	None Detected
75	36	1 st Floor – Area: A, B, C1, C2, D1, D2	Blue Cove Base	2	Non-Friable	None Detected	None Detected
76	36	1 st Floor – Area: A, B, C1, C2, D1, D2	Blue Cove Base	2	Non-Friable	None Detected	None Detected
77	37	1 st Floor – Area: A, B, C1, C2, D1, D2	Blue Cove Base Mastic	2	Non-Friable	None Detected	None Detected
78	37	1 st Floor – Area: A, B, C1, C2, D1, D2	Blue Cove Base Mastic	2	Non-Friable	None Detected	None Detected
79	38	1 st Floor – Area: A, B, C1, C2, D1, D2	2x2 Pinhole Ceiling Tile	1	Non-Friable	None Detected	None Detected
80	38	1 st Floor – Area: A, B, C1, C2, D1, D2	2x2 Pinhole Ceiling Tile	1	Non-Friable	None Detected	None Detected
81	39	1 st Floor – Area: A, B, C1, C2, D1, D2	Black Cove Base	2	Non-Friable	None Detected	None Detected
82	39	1 st Floor – Area: A, B, C1, C2, D1, D2	Black Cove Base	2	Non-Friable	None Detected	None Detected
83	40	1 st Floor – Area: A, B, C1, C2, D1, D2	Black Cove Base Mastic	2	Non-Friable	None Detected	None Detected
84	40	1 st Floor – Area: A, B, C1, C2, D1, D2	Black Cove Base Mastic	2	Non-Friable	None Detected	None Detected
85	41	1 st Floor – Area: A, B, C1, C2, D1, D2	Brown Cove Base	2	Non-Friable	None Detected	None Detected
86	41	1 st Floor – Area: A, B, C1, C2, D1, D2	Brown Cove Base	2	Non-Friable	None Detected	None Detected
87	42	1 st Floor – Area: A, B, C1, C2, D1, D2	Brown Cove Base Mastic	2	Non-Friable	None Detected	None Detected
88	42	1 st Floor – Area: A, B, C1, C2, D1, D2	Brown Cove Base Mastic	2	Non-Friable	None Detected	None Detected
89	43	1 st Floor – Area: A, B, C1, C2, D1, D2	2x4 Rough Ceiling Tile	1	Non-Friable	None Detected	None Detected
90	43	1 st Floor – Area: A, B, C1, C2, D1, D2	2x4 Rough Ceiling Tile	1	Non-Friable	None Detected	None Detected
91	44	1 st Floor – Area: A, B, C1, C2, D1, D2	Grey Cove Base	2	Non-Friable	None Detected	None Detected
92	44	1 st Floor – Area: A, B, C1, C2, D1, D2	Grey Cove Base	2	Non-Friable	None Detected	None Detected

SAMPLE ID	HA	SAMPLE LOCATION	MATERIAL DESCRIPTION	EST. # OF LAYERS	FRIABLE/NON-FRIABLE	LAB RESULTS	
						%Asbestos	%Vermiculite
93	45	1 st Floor – Area: A, B, C1, C2, D1, D2	Grey Cove Base Mastic	2	Non-Friable	None Detected	None Detected
94	45	1 st Floor – Area: A, B, C1, C2, D1, D2	Grey Cove Base Mastic	2	Non-Friable	None Detected	None Detected
95	46	1 st Floor – Area: A, B, C1, C2, D1, D2	Beige Cove Base	2	Non-Friable	None Detected	None Detected
96	46	1 st Floor – Area: A, B, C1, C2, D1, D2	Beige Cove Base	2	Non-Friable	None Detected	None Detected
97	47	1 st Floor – Area: A, B, C1, C2, D1, D2	Beige Cove Base Mastic	2	Non-Friable	None Detected	None Detected
98	47	1 st Floor – Area: A, B, C1, C2, D1, D2	Beige Cove Base Mastic	2	Non-Friable	None Detected	None Detected
99	48	1 st Floor – Area: A, B, C1, C2, D1, D2	Red Brick	2	Friable	None Detected	None Detected
100	48	1 st Floor – Area: A, B, C1, C2, D1, D2	Red Brick	2	Friable	None Detected	None Detected
101	49	1 st Floor – Area: A, B, C1, C2, D1, D2	Red Brick Mortar	2	Friable	None Detected	None Detected
102	49	1 st Floor – Area: A, B, C1, C2, D1, D2	Red Brick Mortar	2	Friable	None Detected	None Detected
103	49	1 st Floor – Area: A, B, C1, C2, D1, D2	Red Brick Mortar	2	Friable	None Detected	None Detected
104	49	1 st Floor – Area: A, B, C1, C2, D1, D2	Red Brick Mortar	2	Friable	None Detected	None Detected
105	49	1 st Floor – Area: A, B, C1, C2, D1, D2	Red Brick Mortar	2	Friable	None Detected	None Detected
106	50	1 st Floor – Area: A, B, C1, C2, D1, D2	Cinderblock Mortar	2	Friable	None Detected	None Detected
107	50	1 st Floor – Area: A, B, C1, C2, D1, D2	Cinderblock Mortar	2	Friable	None Detected	None Detected
108	50	1 st Floor – Area: A, B, C1, C2, D1, D2	Cinderblock Mortar	2	Friable	None Detected	None Detected
109	50	1 st Floor – Area: A, B, C1, C2, D1, D2	Cinderblock Mortar	2	Friable	None Detected	None Detected
110	50	1 st Floor – Area: A, B, C1, C2, D1, D2	Cinderblock Mortar	2	Friable	None Detected	None Detected
111	51	1 st Floor – Area: A, B, C1, C2, D1, D2	Cinderblock	2	Friable	None Detected	None Detected
112	51	1 st Floor – Area: A, B, C1, C2, D1, D2	Cinderblock	2	Friable	None Detected	None Detected
113	52	1 st Floor – Area: A, B, C1, C2, D1, D2	Drywall	2	Friable	None Detected	None Detected
114	52	1 st Floor – Area: A, B, C1, C2, D1, D2	Drywall	2	Friable	None Detected	None Detected
115	52	1 st Floor – Area: A, B, C1, C2, D1, D2	Drywall	2	Friable	None Detected	None Detected
116	53	1 st Floor – Area: A, B, C1, C2, D1, D2	Joint Compound	2	Friable	None Detected	None Detected
117	53	1 st Floor – Area: A, B, C1, C2, D1, D2	Joint Compound	2	Friable	None Detected	None Detected

SAMPLE ID	HA	SAMPLE LOCATION	MATERIAL DESCRIPTION	EST. # OF LAYERS	FRIABLE/NON-FRIABLE	LAB RESULTS	
						%Asbestos	%Vermiculite
118	53	1 st Floor – Area: A, B, C1, C2, D1, D2	Joint Compound	2	Friable	None Detected	None Detected
119	53	1 st Floor – Area: A, B, C1, C2, D1, D2	Joint Compound	2	Friable	None Detected	None Detected
120	53	1 st Floor – Area: A, B, C1, C2, D1, D2	Joint Compound	2	Friable	None Detected	None Detected
121	54	1 st Floor – Area: A, B, C1, C2, D1, D2	Wall Plaster – Brown	2	Friable	None Detected	None Detected
122	54	1 st Floor – Area: A, B, C1, C2, D1, D2	Wall Plaster – Brown	2	Friable	None Detected	None Detected
123	54	1 st Floor – Area: A, B, C1, C2, D1, D2	Wall Plaster – Brown	2	Friable	None Detected	None Detected
124	54	1 st Floor – Area: A, B, C1, C2, D1, D2	Wall Plaster – Brown	2	Friable	None Detected	None Detected
125	54	1 st Floor – Area: A, B, C1, C2, D1, D2	Wall Plaster – Brown	2	Friable	None Detected	None Detected
126	54	1 st Floor – Area: A, B, C1, C2, D1, D2	Wall Plaster – Brown	2	Friable	None Detected	None Detected
127	54	1 st Floor – Area: A, B, C1, C2, D1, D2	Wall Plaster – Brown	2	Friable	None Detected	None Detected
128	55	1 st Floor – Area: A, B, C1, C2, D1, D2	Wall Plaster – White	2	Friable	None Detected	None Detected
129	55	1 st Floor – Area: A, B, C1, C2, D1, D2	Wall Plaster – White	2	Friable	None Detected	None Detected
130	55	1 st Floor – Area: A, B, C1, C2, D1, D2	Wall Plaster – White	2	Friable	None Detected	None Detected
131	55	1 st Floor – Area: A, B, C1, C2, D1, D2	Wall Plaster – White	2	Friable	None Detected	None Detected
132	55	1 st Floor – Area: A, B, C1, C2, D1, D2	Wall Plaster – White	2	Friable	None Detected	None Detected
133	55	1 st Floor – Area: A, B, C1, C2, D1, D2	Wall Plaster – White	2	Friable	None Detected	None Detected
134	55	1 st Floor – Area: A, B, C1, C2, D1, D2	Wall Plaster – White	2	Friable	None Detected	None Detected
8/31/2023 Sampling Event							
135	56	Roof – Area: B, C1, C2, D1, D2	Roofing Material – 5th Layer	5	Friable	None Detected	None Detected
136	56	Roof – Area: B, C1, C2, D1, D2	Roofing Material – 5th Layer	5	Friable	None Detected	None Detected
137	57	Roof – Area: B, C1, C2, D1, D2	Roofing Material – 4th Layer	5	Non-Friable	Trace Chrysotile	N/A
138	57	Roof – Area: B, C1, C2, D1, D2	Roofing Material – 4th Layer	5	Non-Friable	None Detected	None Detected
139	58	Roof – Area: B, C1, C2, D1, D2	Roofing Material – 3rd Layer	5	Friable	None Detected	None Detected
140	58	Roof – Area: B, C1, C2, D1, D2	Roofing Material – 3rd Layer	5	Friable	None Detected	None Detected
141	59	Roof – Area: B, C1, C2, D1, D2	Roofing Material Glue – 2nd Layer	5	Non-Friable	0.4% Chrysotile	N/A

SAMPLE ID	HA	SAMPLE LOCATION	MATERIAL DESCRIPTION	EST. # OF LAYERS	FRIABLE/NON-FRIABLE	LAB RESULTS	
						%Asbestos	%Vermiculite
142	59	Roof – Area: B, C1, C2, D1, D2	Roofing Material Glue – 2nd Layer	5	Non-Friable	None Detected	None Detected
143	60	Roof – Area: B, C1, C2, D1, D2	Roofing Material Glue – 1st Layer	5	Non-Friable	None Detected	None Detected
144	60	Roof – Area: B, C1, C2, D1, D2	Roofing Material Glue – 1st Layer	5	Non-Friable	None Detected	None Detected
145	61	Roof – Area: B, C1, C2, D1, D2	Flashing Material – 4th Layer	4	Non-Friable	None Detected	None Detected
146	61	Roof – Area: B, C1, C2, D1, D2	Flashing Material – 4th Layer	4	Non-Friable	None Detected	None Detected
147	62	Roof – Area: B, C1, C2, D1, D2	Flashing Material – 3rd Layer	4	Friable	None Detected	None Detected
148	62	Roof – Area: B, C1, C2, D1, D2	Flashing Material – 3rd Layer	4	Friable	None Detected	None Detected
149	63	Roof – Area: B, C1, C2, D1, D2	Flashing Material Glue – 2nd Layer	4	Non-Friable	None Detected	None Detected
150	63	Roof – Area: B, C1, C2, D1, D2	Flashing Material Glue – 2nd Layer	4	Non-Friable	None Detected	None Detected
151	64	Roof – Area: B, C1, C2, D1, D2	Flashing Material Glue – 1st Layer	4	Non-Friable	None Detected	None Detected
152	64	Roof – Area: B, C1, C2, D1, D2	Flashing Material Glue – 1st Layer	4	Non-Friable	None Detected	None Detected
153	65	Roof – Area: B, C1, C2, D1, D2	Pitch Pocket	1	Non-Friable	None Detected	None Detected
154	65	Roof – Area: B, C1, C2, D1, D2	Pitch Pocket	1	Non-Friable	None Detected	None Detected
155	66	Roof – Area: B, C1, C2, D1, D2	HVAC Vent Caulk – Black	1	Non-Friable	Trace Chrysotile	N/A
156	66	Roof – Area: B, C1, C2, D1, D2	HVAC Vent Caulk – Black	1	Non-Friable	None Detected	None Detected
157	67	Roof – Area: B, C1, C2, D1, D2	HVAC Vent Caulk – Grey	1	Non-Friable	None Detected	None Detected
158	67	Roof – Area: B, C1, C2, D1, D2	HVAC Vent Caulk – Grey	1	Non-Friable	None Detected	None Detected
159	68	Roof – Area: B, C1, C2, D1, D2	Pitch Pocket – Caulking	1	Non-Friable	None Detected	None Detected
160	68	Roof – Area: B, C1, C2, D1, D2	Pitch Pocket – Caulking	1	Non-Friable	None Detected	None Detected
2/20/2024 Sampling Event							
01	01	1 st Floor – Auditorium	Cinderblock	2	Friable	None Detected	None Detected
02	01	1 st Floor – Auditorium	Cinderblock	2	Friable	None Detected	None Detected
03	01	1 st Floor – Auditorium	Cinderblock	2	Friable	None Detected	None Detected
04	02	1 st Floor – Auditorium	Cinderblock Mortar	2	Friable	None Detected	None Detected
05	02	1 st Floor – Auditorium	Cinderblock Mortar	2	Friable	None Detected	None Detected

SAMPLE ID	HA	SAMPLE LOCATION	MATERIAL DESCRIPTION	EST. # OF LAYERS	FRIABLE/NON-FRIABLE	LAB RESULTS	
						%Asbestos	%Vermiculite
06	02	1 st Floor – Auditorium	Cinderblock Mortar	2	Friable	None Detected	None Detected
07	02	1 st Floor – Auditorium	Cinderblock Mortar	2	Friable	None Detected	None Detected
08	02	1 st Floor – Auditorium	Cinderblock Mortar	2	Friable	None Detected	None Detected
09	03	1 st Floor – Auditorium	HVAC Duct Caulk	1	Non-Friable	None Detected	None Detected
10	03	1 st Floor – Auditorium	HVAC Duct Caulk	1	Non-Friable	None Detected	None Detected
11	04	1 st Floor – Auditorium	Concrete Slab	1	Friable	None Detected	None Detected
12	04	1 st Floor – Auditorium	Concrete Slab	1	Friable	None Detected	None Detected
13	04	1 st Floor – Auditorium	Concrete Slab	1	Friable	None Detected	None Detected
14	04	1 st Floor – Auditorium	Concrete Slab	1	Friable	None Detected	None Detected
15	04	1 st Floor – Auditorium	Concrete Slab	1	Friable	None Detected	None Detected
16	05	1 st Floor – Auditorium	Fiberglass Pipe Insulation Wrap	1	Non-Friable	None Detected	None Detected
17	05	1 st Floor – Auditorium	Fiberglass Pipe Insulation Wrap	1	Non-Friable	None Detected	None Detected
18	05	1 st Floor – Auditorium	Fiberglass Pipe Insulation Wrap	1	Non-Friable	None Detected	None Detected
19	06	1 st Floor – Auditorium	HVAC Duct Seams Caulking	1	Non-Friable	None Detected	None Detected
20	06	1 st Floor – Auditorium	HVAC Duct Seams Caulking	1	Non-Friable	None Detected	None Detected
21	07	1 st Floor – Auditorium	Tectum Ceiling	1	Friable	None Detected	None Detected
22	07	1 st Floor – Auditorium	Tectum Ceiling	1	Friable	None Detected	None Detected
23	07	1 st Floor – Auditorium	Tectum Ceiling	1	Friable	None Detected	None Detected
24	08	1 st Floor – Auditorium	Ceiling Plaster – Brown	2	Friable	None Detected	Trace Vermiculite
25	08	1 st Floor – Auditorium	Ceiling Plaster – Brown	2	Friable	None Detected	Trace Vermiculite
26	08	1 st Floor – Auditorium	Ceiling Plaster – Brown	2	Friable	None Detected	Trace Vermiculite
27	08	1 st Floor – Auditorium	Ceiling Plaster – Brown	2	Friable	None Detected	Trace Vermiculite
28	08	1 st Floor – Auditorium	Ceiling Plaster – Brown	2	Friable	None Detected	Trace Vermiculite
29	08	1 st Floor – Auditorium	Ceiling Plaster – Brown	2	Friable	None Detected	Trace Vermiculite
30	08	1 st Floor – Auditorium	Ceiling Plaster – Brown	2	Friable	None Detected	Trace Vermiculite

SAMPLE ID	HA	SAMPLE LOCATION	MATERIAL DESCRIPTION	EST. # OF LAYERS	FRIABLE/NON-FRIABLE	LAB RESULTS	
						%Asbestos	%Vermiculite
31	09	1 st Floor – Auditorium	Ceiling Plaster – White	2	Friable	None Detected	None Detected
32	09	1 st Floor – Auditorium	Ceiling Plaster – White	2	Friable	None Detected	None Detected
33	09	1 st Floor – Auditorium	Ceiling Plaster – White	2	Friable	None Detected	None Detected
34	09	1 st Floor – Auditorium	Ceiling Plaster – White	2	Friable	None Detected	None Detected
35	09	1 st Floor – Auditorium	Ceiling Plaster – White	2	Friable	None Detected	None Detected
36	09	1 st Floor – Auditorium	Ceiling Plaster – White	2	Friable	None Detected	None Detected
37	09	1 st Floor – Auditorium	Ceiling Plaster – White	2	Friable	None Detected	None Detected
9/21/2024 Sampling Event							
1	01	Ground Floor- Boiler Room	Red Brick	2	Friable	None Detected	None Detected
2	01	Ground Floor- Boiler Room	Red Brick	2	Friable	None Detected	None Detected
3	02	Ground Floor- Boiler Room	Red Brick Mortar	2	Friable	None Detected	None Detected
4	02	Ground Floor- Boiler Room	Red Brick Mortar	2	Friable	None Detected	None Detected
5	02	Ground Floor- Boiler Room	Red Brick Mortar	2	Friable	None Detected	None Detected
6	03	Ground Floor- Boiler Room	Cinderblock	2	Friable	None Detected	None Detected
7	03	Ground Floor- Boiler Room	Cinderblock	2	Friable	None Detected	None Detected
8	04	Ground Floor- Boiler Room	Cinderblock Mortar	2	Friable	None Detected	None Detected
9	04	Ground Floor- Boiler Room	Cinderblock Mortar	2	Friable	None Detected	None Detected
10	04	Ground Floor- Boiler Room	Cinderblock Mortar	2	Friable	None Detected	None Detected
11	05	Ground Floor- Boiler Room	Tank Insulation- 2 nd Layer	2	Friable	None Detected	None Detected
12	05	Ground Floor- Boiler Room	Tank Insulation- 2 nd Layer	2	Friable	None Detected	None Detected
13	05	Ground Floor- Boiler Room	Tank Insulation- 2 nd Layer	2	Friable	None Detected	None Detected
14	06	Ground Floor- Boiler Room	Tank Insulation- 1 st Layer	2	Friable	None Detected	None Detected
15	06	Ground Floor- Boiler Room	Tank Insulation- 1 st Layer	2	Friable	None Detected	None Detected
16	06	Ground Floor- Boiler Room	Tank Insulation- 1 st Layer	2	Friable	None Detected	None Detected
17	07	Ground Floor- Boiler Room	Gasket- Brown	1	Non-Friable	None Detected	None Detected

SAMPLE ID	HA	SAMPLE LOCATION	MATERIAL DESCRIPTION	EST. # OF LAYERS	FRIABLE/NON-FRIABLE	LAB RESULTS	
						%Asbestos	%Vermiculite
18	07	Ground Floor- Boiler Room	Gasket- Brown	1	Non-Friable	None Detected	None Detected
19	08	Ground Floor- Boiler Room	Gasket- Red	1	Non-Friable	None Detected	None Detected
20	08	Ground Floor- Boiler Room	Gasket- Red	1	Non-Friable	None Detected	None Detected
21	09	Ground Floor- Boiler Room	HVAC Insulation- 2 nd Layer	2	Friable	None Detected	None Detected
22	09	Ground Floor- Boiler Room	HVAC Insulation- 2 nd Layer	2	Friable	None Detected	None Detected
23	09	Ground Floor- Boiler Room	HVAC Insulation- 2 nd Layer	2	Friable	None Detected	None Detected
24	10	Ground Floor- Boiler Room	HVAC Insulation- 1 st Layer	2	Friable	None Detected	None Detected
25	10	Ground Floor- Boiler Room	HVAC Insulation- 1 st Layer	2	Friable	None Detected	None Detected
26	10	Ground Floor- Boiler Room	HVAC Insulation- 1 st Layer	2	Friable	None Detected	None Detected
27	11	Ground Floor- Boiler Room	Boiler Caulking	1	Non-Friable	None Detected	None Detected
28	11	Ground Floor- Boiler Room	Boiler Caulking	1	Non-Friable	None Detected	None Detected
29	12	Ground Floor- Boiler Room	Fiberglass Pipe Insulation Wrap	1	Friable	None Detected	None Detected
30	12	1 st Floor- Hallway	Fiberglass Pipe Insulation Wrap	1	Friable	None Detected	None Detected
31	12	Ground Floor- Hallway	Fiberglass Pipe Insulation Wrap	1	Friable	None Detected	None Detected
32	13	Ground Floor- Boiler Room	HVAC Pipe Fitting- 2 nd Layer	2	Friable	None Detected	None Detected
33	13	Ground Floor- Boiler Room	HVAC Pipe Fitting- 2 nd Layer	2	Friable	None Detected	None Detected
34	13	Ground Floor- Boiler Room	HVAC Pipe Fitting- 2 nd Layer	2	Friable	None Detected	None Detected
35	14	Ground Floor- Boiler Room	HVAC Pipe Fitting- 1 st Layer	2	Friable	None Detected	None Detected
36	14	Ground Floor- Boiler Room	HVAC Pipe Fitting- 1 st Layer	2	Friable	None Detected	None Detected
37	14	Ground Floor- Boiler Room	HVAC Pipe Fitting- 1 st Layer	2	Friable	None Detected	None Detected
38	15	Ground Floor- Boiler Room	Pipe to HVAC Connection Cement Material	1	Friable	None Detected	None Detected
39	15	Ground Floor- Boiler Room	Pipe to HVAC Connection Cement Material	1	Friable	None Detected	None Detected
40	15	Ground Floor- Boiler Room	Pipe to HVAC Connection Cement Material	1	Friable	None Detected	None Detected
41	16	Ground Floor- Boiler Room	Ceiling Plaster	1	Friable	-	9.75% Vermiculite

SAMPLE ID	HA	SAMPLE LOCATION	MATERIAL DESCRIPTION	EST. # OF LAYERS	FRIABLE/NON-FRIABLE	LAB RESULTS	
						%Asbestos	%Vermiculite
42	16	Ground Floor- Boiler Room	Ceiling Plaster	1	Friable	-	13% Vermiculite
43	16	Ground Floor- Corridor	Ceiling Plaster	1	Friable	-	13% Vermiculite
44	16	1 st Floor- Corridor	Ceiling Plaster	1	Friable	-	11.25% Vermiculite
45	16	1 st Floor- Corridor	Ceiling Plaster	1	Friable	-	13.75% Vermiculite
46	17	Ground Floor- Corridor/Foyer	Fitting	1	Friable	None Detected	None Detected
47	17	Ground Floor- Crawl Space	Fitting	1	Friable	None Detected	None Detected
48	17	Ground Floor- Toilet	Fitting	1	Friable	None Detected	None Detected
49	18	1 st Floor- Room 202A	Window Glazing	1	Non-Friable	None Detected	None Detected
50	18	Ground Floor- Room 111	Window Glazing	1	Non-Friable	None Detected	None Detected
51	19	1 st Floor- Room 202A	Window Caulking	1	Non-Friable	None Detected	None Detected
52	19	Ground Floor- Room 111	Window Caulking	1	Non-Friable	None Detected	None Detected

Survey Field Notes:

The following was noted during the survey process:

- 8/23 – 8/24/2023 Sampling Events:
 - Roof – No roofer available to repair bulk sampling roof core holes. Client to provide roofer. Re-visit required for roof probe/bulk sampling.
- 8/31/2023 Sampling Event:
 - Roof sampling completed.
- 9/21/2024 Sampling Event:
 - Ground Floor Crawl Spaces could not be fully surveyed due to obstacles.

Exclusions/exemptions/assumptions

The following areas/materials were found to be inaccessible:

- Materials concealed in risers/shafts/soffits not accessible for bulk sampling – ‘go back survey’ required

Next Step in Asbestos Survey Process:

POSITIVE MATERIAL(S) DELINEATED

The following positive ACM was delineated:

TABLE 3: POSITIVE MATERIAL SUMMARY			
LOCATION	MATERIAL DESCRIPTION	ASSESSED CONDITION	ESTIMATED QUANTITY* (square/linear feet)
1 st Floor – Area: A, B, C1, C2, D1, D2	Green 9x9 VAT	No Visible Damage	Throughout
	Green 9x9 VAT Mastic	No Visible Damage	
	Dark Brown 9x9 VAT	No Visible Damage	
	Dark Brown 9x9 VAT Mastic	No Visible Damage	
	Dark Beige 9x9 VAT	No Visible Damage	
	Dark Beige 9x9 VAT Mastic	No Visible Damage	
	Brown 9x9 VAT	No Visible Damage	
	Light Brown 9x9 VAT	No Visible Damage	
	Light Brown 9x9 VAT Mastic	No Visible Damage	
	Concealed ACM/PACM	-	
*Since many asbestos materials continue through adjoining areas and/or layers, final estimated quantities of abatement scope have to be determined in the field when project details are confirmed.			

Since the subject delineated ACM is going to be removed or otherwise disturbed based upon drawings provided dated 05/12/23, an “Asbestos Abatement Work Plan” should be developed so that an abatement Contractor can be retained to perform the work. ACM must be removed prior to the onset of general trade work and can impact overall project schedule.

Material condition classification “significantly damaged” would trigger immediate clean-up of damaged ACM.

If risers/chases/walls/ceilings opened for mechanical tie-in work, then additional asbestos investigation will be required.

If you or your associates have any questions regarding this report, please contact office @ 201.489.8700.

Attachments:

- *Copies of survey personnel and company asbestos license*
- *Survey photo-documentation*
- *Laboratory analysis reports with chain-of-custody*
- *Scope of work drawing provided by Client*

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DIVISION OF SAFETY & HEALTH LICENSE AND CERTIFICATE UNIT, STATE OFFICE CAMPUS, BLDG. 12, ALBANY, NY 12226

ASBESTOS HANDLING LICENSE

Omega Laboratories, Inc.
280 Huyler Street, S. Hackensack, NJ, 07606

License Number: 29673
License Class: RESTRICTED
Date of Issue: 02/14/2024
Expiration Date: 03/31/2025
Duly Authorized Representative: Gary Mellor

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.


This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Amy Phillips, Director
For the Commissioner of Labor

EXCELSIOR

SH 432 (12/21)

NYC DEP ASBESTOS CONTROL PROGRAM
ASBESTOS CERTIFICATE




ADEWUYI,
GBOYEGA
INVESTIGATOR
148488
EXPIRES: 09/21/2025
DOB:09/21/1976 M 5' 10"

MUST BE CARRIED ON ALL ASBESTOS PROJECTS

NYC DEP ASBESTOS CONTROL PROGRAM

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE




GBOYEGA ADEWUYI
CLASS(EXPIRES)
C ATEC (09/24) D INSP (09/24)
E MGPL (09/24) H PM (09/24)

CERT# 23-61DRS-SHAB
DMV# 592853111

MUST BE CARRIED ON ASBESTOS PROJECTS

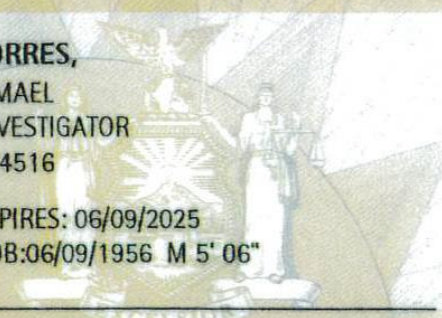
STATE OF NEW YORK - DEPARTMENT OF LABOR

NYC DEP ASBESTOS CONTROL PROGRAM
ASBESTOS CERTIFICATE




TORRES,
ISMAEL
INVESTIGATOR
144516
EXPIRES: 06/09/2025
DOB:06/09/1956 M 5' 06"

MUST BE CARRIED ON ALL ASBESTOS PROJECTS





STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



ISMAEL TORRES
CLASS(EXPIRES)
D INSP (06/24)

CERT# 23-6TLL6-SHAB
DMV# 302103614

MUST BE CARRIED ON ASBESTOS PROJECTS



Photos



1x1 Ceiling Tile Above 2x2 Ceiling Tile



2x4 Ceiling Tile



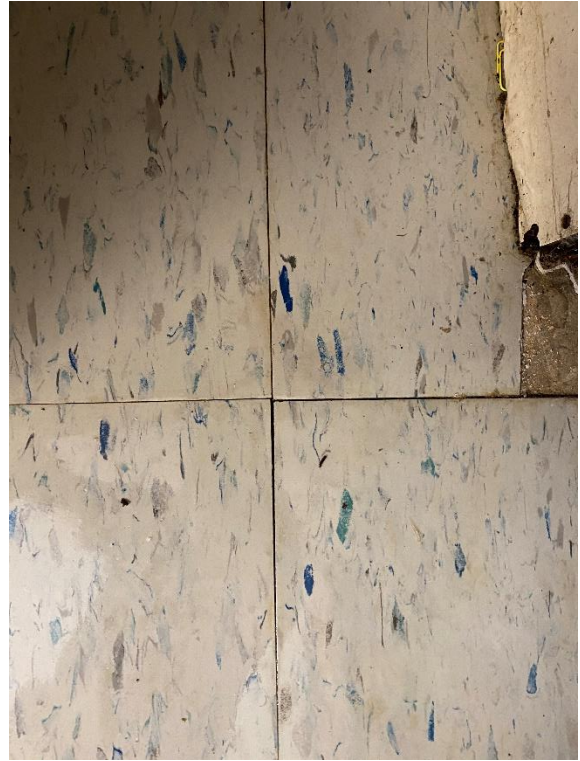
2x2 Ceiling Tile



9x9 Beige Floor Tile



9x9 Dk. Brown VAT & Mastic



12x12 Blue on White Floor Tile



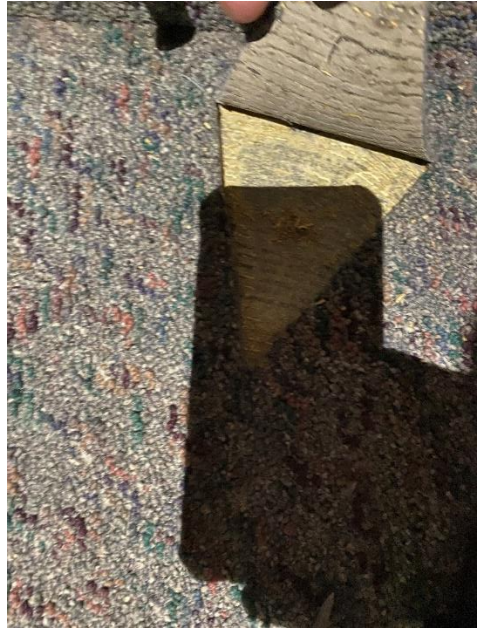
9x9 Green VAT & Mastic



12x12 Grey on White Floor Tile Glue



Blue Cove Base & Glue



Carpet Glue



Brick Mortar



CMU & Mortar



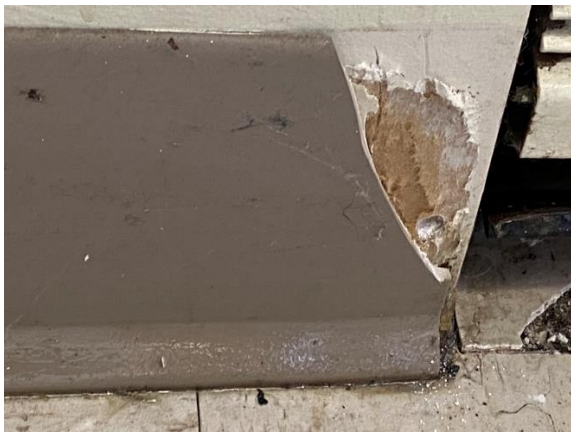
Brown Cove Base & Glue



Drywall & Joint Compound



Lab Countertop



Grey Cove Base & Glue



Pano Auditorium



HVAC Duct Wrap



Pano Classroom



Tectum Ceiling



TSI Foil Wrap



Window Caulking



TSI Foil Wrap



Wood Door



HVAC Vent Caulk – Black



Flashing Probe



HVAC Vent Caulk – Grey



Pitch Pocket



Roof Probe



Pitch Pocket Caulking

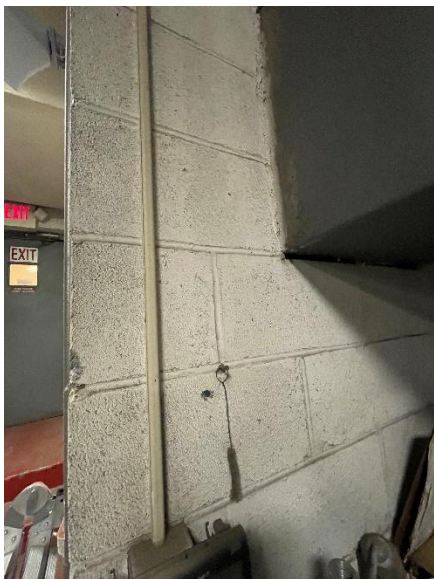
9/21/2024 Sampling Event



Ceiling Plaster



Fiberglass Pipe Insulation Wrap



CMU and Mortar



Fitting



Fitting



Gasket Red



HVAC Pipe Insulation Layers



Gasket Brown



Red Brick and Mortar



Window Glazing



Tank Insulation Layers

BULK ASBESTOS TEST REPORT

Client/Address: Omega Environmental/280 Huyler St., So. Hackensack, NJ 07606 Project: 15 Dutch Hill Road Project #: 24-09-3258
 Laboratory ID: 24-09-139 Date of Report: 09/26/24 Date of Analysis: 09/24/24, 09/25/24

Client ID # Lab ID #	Stereomicroscope Analysis				Sample Description	% Non-Fibrous Material	% Friable Results		% AII	% PLM NOB Results	% TEM NOB Results	% TOTAL Asbestos
	A	B	C	D								
1 24-09-139-01	A	R	E		Ground Floor, Boiler Room, Red Brick	100.00	NAD					NAD
	B	I	F									
	C	198.1	G									
2 24-09-139-02	A	R	E		Ground Floor, Boiler Room, Red Brick	100.00	NAD					NAD
	B	I	F									
	C	198.1	G									
3 24-09-139-03	A	GR	E		Ground Floor, Boiler Room, Red Brick Mortar	100.00	NAD					NAD
	B	I	F									
	C	198.1	G									
4 24-09-139-04	A	GR	E		Ground Floor, Boiler Room, Red Brick Mortar	100.00	NAD					NAD
	B	I	F									
	C	198.1	G									
5 24-09-139-05	A	GR	E		Ground Floor, Boiler Room, Red Brick Mortar	100.00	NAD					NAD
	B	I	F									
	C	198.1	G									
6 24-09-139-06	A	GR	E		Ground Floor, Boiler Room, Cinderblock	100.00	NAD					NAD
	B	I	F									
	C	198.1	G									

BULK ASBESTOS TEST REPORT

Client/Address: Omega Environmental/280 Huyler St., So. Hackensack, NJ 07606	Project: 15 Dutch Hill Road	Project #: 24-09-3258
Laboratory ID: 24-09-139	Date of Report: 09/26/24	Date of Analysis: 09/24/24, 09/25/24

Client ID # Lab ID #	Stereomicroscope Analysis				Sample Description	% Non-Fibrous Material	% Friable Results	% AII	% PLM NOB Results	% TEM NOB Results	% TOTAL Asbestos
	A	GR	E								
7 24-09-139-07	A	GR	E		Ground Floor, Boiler Room, Cinderblock	100.00	NAD				NAD
	B	1	F								
	C	198.1	G								
	D		H								
8 24-09-139-08	A	BR	E		Ground Floor, Boiler Room, Cinderblock Mortar	100.00	NAD				NAD
	B	1	F								
	C	198.1	G								
	D		H								
9 24-09-139-09	A	BR	E		Ground Floor, Boiler Room, Cinderblock Mortar	100.00	NAD				NAD
	B	1	F								
	C	198.1	G								
	D		H								
10 24-09-139-10	A	BR	E		Ground Floor, Boiler Room, Cinderblock Mortar	100.00	NAD				NAD
	B	1	F								
	C	198.1	G								
	D		H								
11 24-09-139-11	A	BE	E	5	Ground Floor, Boiler Room, Tank Insulation - 2nd Layer	95.00	NAD				NAD
	B	1	F								
	C	198.1	G								
	D		H								
12 24-09-139-12	A	BE	E	5	Ground Floor, Boiler Room, Tank Insulation - 2nd Layer	95.00	NAD				NAD
	B	1	F								
	C	198.1	G								
	D		H								

BULK ASBESTOS TEST REPORT

Client/Address: Omega Environmental/280 Huyler St., So. Hackensack, NJ 07606	Project: 15 Dutch Hill Road	Project #: 24-09-3258
Laboratory ID: 24-09-139	Date of Report: 09/26/24	Date of Analysis: 09/24/24, 09/25/24

Client ID # Lab ID #	Stereomicroscope Analysis					Sample Description	% Non-Fibrous Material	% Friable Results	% AII	% PLM NOB Results	% TEM NOB Results	% TOTAL Asbestos
	A	BE	E	5								
13	A	BE	E	5		Ground Floor, Boiler Room, Tank Insulation - 2nd Layer	95.00	NAD				NAD
	B	1	F									
	C	198.1	G									
24-09-139-14	A	BR	E			Ground Floor, Boiler Room, Tank Insulation - 1st Layer	0.00	NAD				NAD
	B	1	F									
	C	198.1	G									
24-09-139-15	A	BR	E			Ground Floor, Boiler Room, Tank Insulation - 1st Layer	0.00	NAD				NAD
	B	1	F									
	C	198.1	G									
24-09-139-16	A	BR	E			Ground Floor, Boiler Room, Tank Insulation - 1st Layer	0.00	NAD				NAD
	B	1	F									
	C	198.1	G									
24-09-139-17	A	BE	E			Ground Floor, Boiler Room, Gasket - Brown	61.30	NAD	Inconclusive			NAD
	B	1	F									
	C	198.4/6	G									
24-09-139-18	A	BE	E			Ground Floor, Boiler Room, Gasket - Brown	66.37	NAD	Inconclusive			NAD
	B	1	F									
	C	198.4/6	G									
18	D		H									

BULK ASBESTOS TEST REPORT

Client/Address: Omega Environmental/280 Huyler St., So. Hackensack, NJ 07606	Project: 15 Dutch Hill Road	Project #: 24-09-3258
Laboratory ID: 24-09-139	Date of Report: 09/26/24	Date of Analysis: 09/24/24, 09/25/24

Client ID # Lab ID #	Stereomicroscope Analysis				Sample Description	% Non-Fibrous Material	% Friable Results	% AII	% PLM NOB Results	% TEM NOB Results	% TOTAL Asbestos
19	A	R	E		Ground Floor, Boiler Room, Gasket - Red			6.84	NAD	NAD	NAD
	B	I	F						Inconclusive		
	C	198.4/6	G								
24-09-139-19	D		H								
	A	R	E		Ground Floor, Boiler Room, Gasket - Red		2.73	NAD	NAD	NAD	
	B	I	F					Inconclusive			
C	198.4/6	G									
24-09-139-20	D		H								
	A	BE	E	60	Ground Floor, Boiler Room, HVAC Insulation - 2nd Layer	40.00	NAD	NAD		NAD	
	B	I	F								
C	198.1	G									
24-09-139-21	D		H								
	A	BE	E	60	Ground Floor, Boiler Room, HVAC Insulation - 2nd Layer	40.00	NAD	NAD		NAD	
	B	I	F								
C	198.1	G									
24-09-139-22	D		H								
	A	BE	E	60	Ground Floor, Boiler Room, HVAC Insulation - 2nd Layer	40.00	NAD	NAD		NAD	
	B	I	F								
C	198.1	G									
24-09-139-23	D		H								
	A	BR	E		Ground Floor, Boiler Room, HVAC Insulation - 1st Layer		5.38	NAD	NAD	NAD	
	B	I	F					Inconclusive			
C	198.4/6	G									
24-09-139-24	D		H								

BULK ASBESTOS TEST REPORT

Client/Address: Omega Environmental/280 Huyler St., So. Hackensack, NJ 07606	Project: 15 Dutch Hill Road	Project #: 24-09-3258
Laboratory ID: 24-09-139	Date of Report: 09/26/24	Date of Analysis: 09/24/24, 09/25/24

Client ID # Lab ID #	Stereomicroscope Analysis				Sample Description	% Non-Fibrous Material	% Friable Results	% All	% PLM NOB Results		% TEM NOB Results	% TOTAL Asbestos
	A	B	C	D					NAD	Inconclusive		
25	A	BR	E		Ground Floor, Boiler Room, HVAC Insulation - 1st Layer			40.46	NAD		NAD	NAD
	B	1	F						Inconclusive			
	C	198.4/6	G									
24-09-139-25	D		H									
	A	BR	E		Ground Floor, Boiler Room, HVAC Insulation - 1st Layer		15.78	NAD		NAD	NAD	NAD
	B	1	F					Inconclusive				
C	198.4/6	G										
24-09-139-26	D		H									
	A	GR	E		Ground Floor, Boiler Room, Boiler Caulking		6.59	NAD		NAD	NAD	NAD
	B	1	F					Inconclusive				
C	198.4/6	G										
24-09-139-27	D		H									
	A	GR	E		Ground Floor, Boiler Room, Boiler Caulking		53.93	NAD		NAD	NAD	NAD
	B	1	F					Inconclusive				
C	198.4/6	G										
24-09-139-28	D		H									
	A	WH/S	E		Ground Floor, Boiler Room, Fiberglass Pipe Insulation Wrap		30.12	NAD		NAD	NAD	NAD
	B	2	F					Inconclusive				
C	198.4/6	G										
24-09-139-29	D		H									
	A	WH/S	E		1st Fl, Hallway, Fiberglass Pipe Insulation Wrap		6.55	NAD		NAD	NAD	NAD
	B	2	F					Inconclusive				
C	198.4/6	G										
24-09-139-30	D		H									

BULK ASBESTOS TEST REPORT

Client/Address: Omega Environmental/280 Huyler St., So. Hackensack, NJ 07606	Project: 15 Dutch Hill Road	Project #: 24-09-3258
Laboratory ID: 24-09-139	Date of Report: 09/26/24	Date of Analysis: 09/24/24, 09/25/24

Client ID # Lab ID #	Stereomicroscope Analysis				Sample Description	% Non-Fibrous Material	% Friable Results		% All	% PLM NOB Results		% TEM NOB Results	% TOTAL Asbestos
	A	W/H/S	E							NAD	Inconclusive		
31	A	WH/S	E		Ground Fl, Hallway, Fiberglass Pipe Insulation				29.19				NAD
	B	2	F										
	C	198.4/6	G										
24-09-139-31	D		H										
32	A	GR	E	40	Ground Fl, Boiler Room, HVAC Pipe Fitting - 2nd Layer	60.00							NAD
	B	1	F										
	C	198.1	G										
24-09-139-32	D		H										
33	A	GR	E	40	Ground Fl, Boiler Room, HVAC Pipe Fitting - 2nd Layer	60.00							NAD
	B	1	F										
	C	198.1	G										
24-09-139-33	D		H										
34	A	GR	E	40	Ground Fl, Boiler Room, HVAC Pipe Fitting - 2nd Layer	60.00							NAD
	B	1	F										
	C	198.1	G										
24-09-139-34	D		H										
35	A	BR	E		Ground Fl, Boiler Room, HVAC Pipe Fitting - 1st Layer	0.00							NAD
	B	1	F										
	C	198.1	G										
24-09-139-35	D	100	H										
36	A	BR	E		Ground Fl, Boiler Room, HVAC Pipe Fitting - 1st Layer	0.00							NAD
	B	1	F										
	C	198.1	G										
24-09-139-36	D	100	H										

BULK ASBESTOS TEST REPORT

Client/Address: Omega Environmental/280 Huyler St., So. Hackensack, NJ 07606	Project: 15 Dutch Hill Road	Project #: 24-09-3258
Laboratory ID: 24-09-139	Date of Report: 09/26/24	Date of Analysis: 09/24/24, 09/25/24

Client ID # Lab ID #	Stereomicroscope Analysis				Sample Description	% Non-Fibrous Material	% Friable Results		% AII	% PLM NOB Results	% TEM NOB Results	% TOTAL Asbestos
	A	BR	E				NAD	VERM				
37	A	BR	E		Ground Fl, Boiler Room, HVAC Pipe Fitting - 1st Layer	0.00	NAD					NAD
	B	1	F									
	C	198.1	G									
24-09-139-37	D	100	H									
38	A	BE	E	30	Ground Fl, Boiler Room, Pipe to HVAC Connection Cement Material	70.00	NAD					NAD
	B	1	F									
	C	198.1	G									
24-09-139-38	D		H									
39	A	BE	E	30	Ground Fl, Boiler Room, Pipe to HVAC Connection Cement Material	70.00	NAD					NAD
	B	1	F									
	C	198.1	G									
24-09-139-39	D		H									
40	A	BE	E	30	Ground Fl, Boiler Room, Pipe to HVAC Connection Cement Material	70.00	NAD					NAD
	B	1	F									
	C	198.1	G									
24-09-139-40	D		H									
41	A	BR	E		Ground Fl, Boiler Room, Ceiling Plaster	100.00	9.75	VERM				198.8
	B	1	F									
	C	198.1	G	9.75								
24-09-139-41	D		H									
42	A	BR	E		Ground Fl, Boiler Room, Ceiling Plaster	100.00	13	VERM				198.8
	B	1	F									
	C	198.1	G	13								
24-09-139-42	D		H									

BULK ASBESTOS TEST REPORT

Client/Address: Omega Environmental/280 Huyler St., So. Hackensack, NJ 07606 Project: 15 Dutch Hill Road Project #: 24-09-3258
 Laboratory ID: 24-09-139 Date of Report: 09/26/24 Date of Analysis: 09/24/24, 09/25/24

Client ID # Lab ID #	Stereomicroscope Analysis				Sample Description	% Non-Fibrous Material	% Friable Results		% AII	% PLM NOB Results	% TEM NOB Results	% TOTAL Asbestos
	A	BR	E				11.25	VERM				
43 24-09-139-	A	BR	E		Ground Fl, Corridor, Ceiling Plaster	100.00	11.25	VERM				198.8
	B	1	F									
	C	198.1	G	11.25								
44 24-09-139-	A	BR	E		1st Fl, Corridor, Ceiling Plaster	100.00	11	VERM				198.8
	B	1	F									
	C	198.1	G	11								
45 24-09-139-	A	BR	E		1st Fl, Corridor, Ceiling Plaster	100.00	13.75	VERM				198.8
	B	1	F									
	C	198.1	G	13.75								
46 24-09-139-	A	BR	E	60	Ground Fl, Corridor/Foyer, Fitting	40.00	NAD					NAD
	B	1	F									
	C	198.1	G									
47 24-09-139-	A	BR	E	60	Ground Fl, Corridor/Foyer, Fitting	40.00	NAD					NAD
	B	1	F									
	C	198.1	G									
48 24-09-139-	A	BR	E	60	Ground Fl, Toilet, Fitting	40.00	NAD					NAD
	B	1	F									
	C	198.1	G									
48 24-09-139-	A	BR	E		Ground Fl, Toilet, Fitting	40.00	NAD					NAD
	B	1	F									
	C	198.1	G									

BULK ASBESTOS TEST REPORT

Client/Address: Omega Environmental/280 Huyler St., So. Hackensack, NJ 07606	Project: 15 Dutch Hill Road
Laboratory ID: 24-09-139	Date of Report: 09/26/24
	Date of Analysis: 09/24/24, 09/25/24
	Project #: 24-09-3258

Client ID # Lab ID #	Stereomicroscope Analysis				Sample Description	% Non-Fibrous Material	% Friable Results			% All	% PLM NOB Results		% TEM NOB Results	% TOTAL Asbestos
	A	BK	E	F										
49	A	BK	E		1st Fl, Room 202A, Window Glazing				1.40	NAD		NAD	NAD	
	B	1	F				Inconclusive							
	C	198.4/6	G											
	D		H											
24-09-139-49	A	BK	E		Ground Fl, Room 111, Window Glazing				1.01	NAD		NAD	NAD	
	B	1	F				Inconclusive							
	C	198.4/6	G											
	D		H											
50	A	GR	E		1st Fl, Room 202A, Window Glazing				45.54	NAD		NAD	NAD	
	B	1	F				Inconclusive							
	C	198.4/6	G											
	D		H											
24-09-139-51	A	GR	E		Ground Fl, Room 111, Window Glazing				51.62	NAD		NAD	NAD	
	B	1	F				Inconclusive							
	C	198.4/6	G											
	D		H											
52	A	GR	E		Ground Fl, Room 111, Window Glazing				51.62	NAD		NAD	NAD	
	B	1	F				Inconclusive							
	C	198.4/6	G											
	D		H											
24-09-139-52	A	GR	E		Ground Fl, Room 111, Window Glazing				51.62	NAD		NAD	NAD	
	B	1	F				Inconclusive							
	C	198.4/6	G											
	D		H											

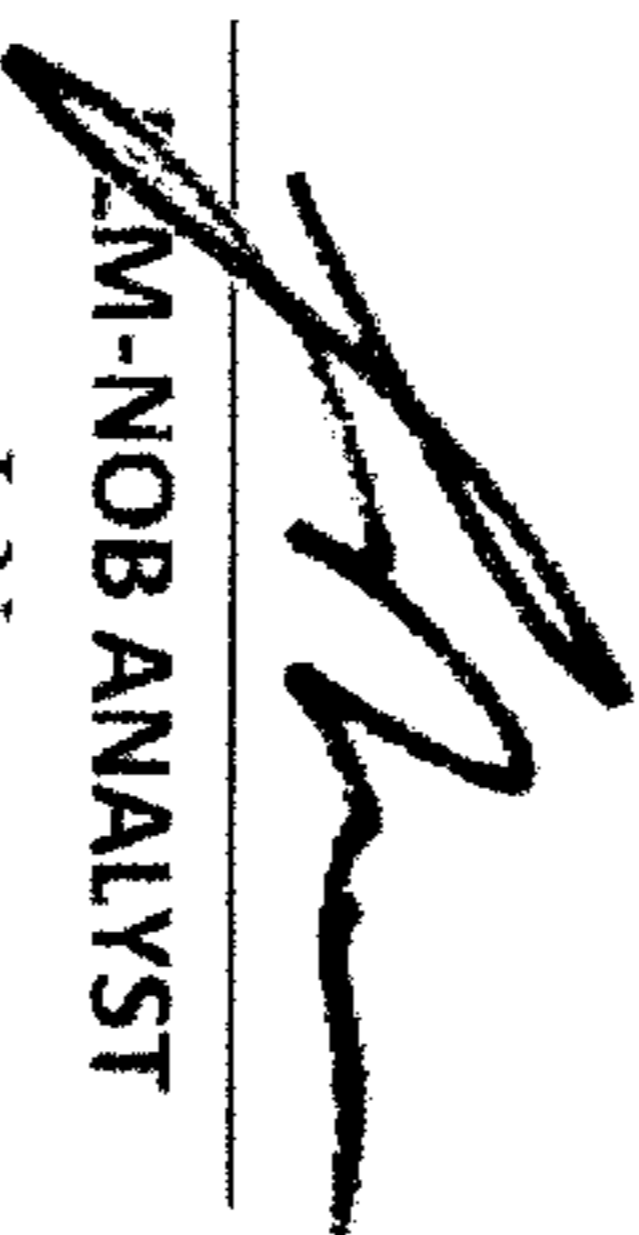
BULK ASBESTOS TEST REPORT

Client/Address: Omega Environmental/280 Huyler St., So. Hackensack, NJ 07606	Project: 15 Dutch Hill Road	Project #: 24-09-3258
Laboratory ID: 24-09-139	Date of Report: 09/26/24	Date of Analysis: 09/24/24, 09/25/24



PLM ANALYST

Y. Zhao



TEM-NOB ANALYST

J. Nam



TEM-NOB ANALYST

E. Loukianova

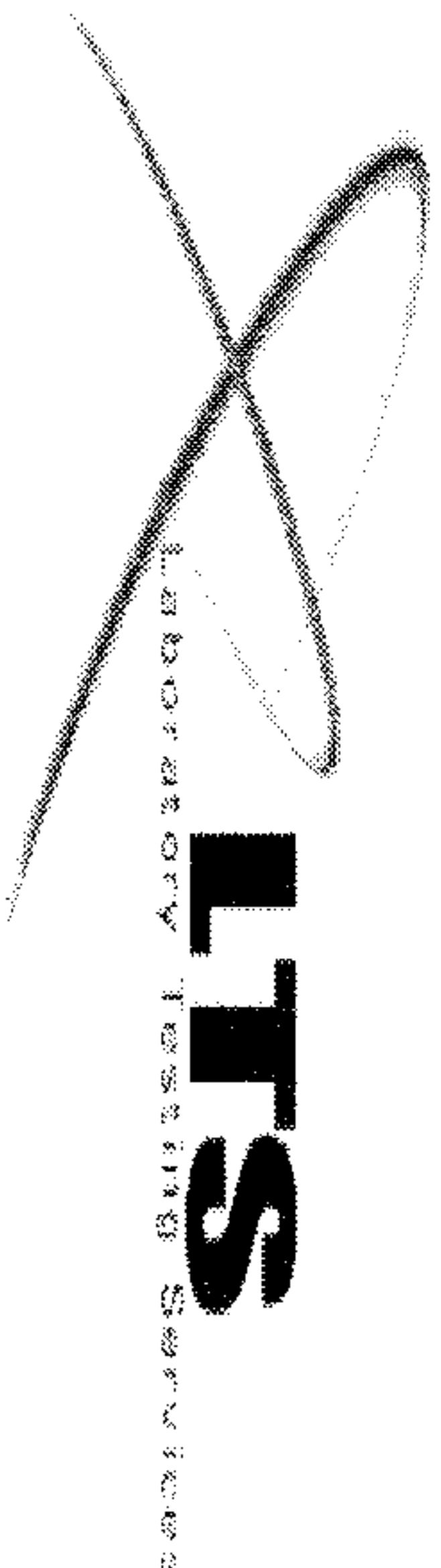


LABORATORY DIRECTOR

E. Dimitrakas

LABORATORY ACCREDITATION NUMBERS: NVLAP Lab Code 101958-0, NYSDOH ELAP Lab ID 10955

- Samples will be stored for sixty (60) days. LTS Inc. should be notified within this time frame for a true duplicate analysis.
 - Above results relate only to samples submitted and analyzed. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of LTS Inc.
 - The liability of LTS Inc., with respect to the services charged, shall in no event exceed the amount of the invoice.
 - Analytical Methodologies: EPA 600/M4-82-020 (Point Count only) and ELAP Methods 198.1, 198.4, 198.6.
 - NAD: No Asbestos Detected, NVD: No Vermiculite Detected, SAFP: Stopped at First Positive, CH: Chrysotile, AMOS: Amosite, TRE: Tremolite, ANTH: Anthophyllite, ACT: Actinolite, and CRO: Crocidolite.
 - Stereomicroscopic Analysis: A: Color, B: Layers, C: Methodology, D: Cellulose, E: Fiberglass, F: Hair, G: Vermiculite, H: OTHER
 - Color: BK: Black, BR: Brown, Dk BR: Dark Brown, Lt BR: Light Brown, R BR: Reddish Brown, GR: Gray, Dk GR: Dark Gray, Lt GR: Light Gray, BE: Beige, P: Pink, R: Red, T: Tan, WH: White, Off WH: Off White, Y: Yellow, BL: Blue, CR: Cream, GN: Green, O: Orange, Multi.: Multiple Colors
- Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.



LABORATORY TESTING SERVICES INC.
 40-20 22ND ST.
 LIC, NY 11101
 Ph.: (718) 389 3470, Fax: (718) 389 3471

**POLARIZED LIGHT MICROSCOPY ANALYSIS OF
 SURFACING MATERIAL CONTAINING VERMICULITE BULK SAMPLES TEST REPORT**

CLIENT/ADDRESS: Omega Environmental/280 Huyler St., So. Hackensack, NJ 07606	PROJECT: 15 Dutch Hill Road	Project #: 24-09-3258
ANALYT. METHODOLOGY: ELAP 198.8	LABORATORY ID #: 24-09-139	
DATES OF ANALYSIS: 09/26/24 – 09/30/24	DATE OF REPORT: 09/30/24	

LABORATORY RESULTS

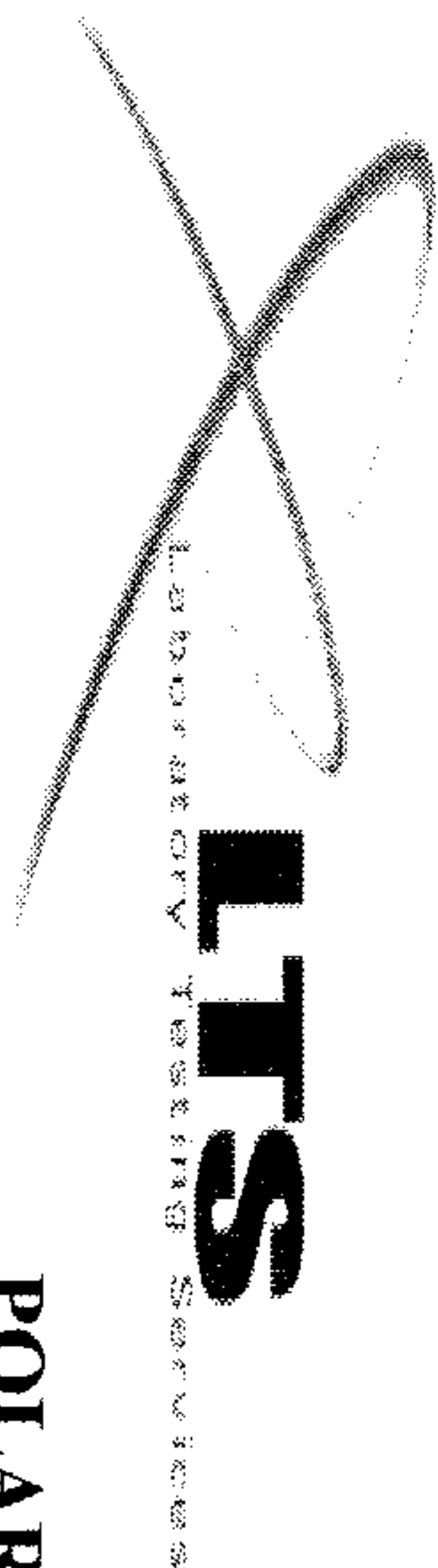
CLIENT #	LAB. ID #	SAMPLE DESCRIPTION/ LOCATION	APPEARANCE & COLOR	% CENTRIFUGATE	% NON-ASBESTOS FIBROUS MATERIAL	%NON-FIBROUS MATERIAL	% CHRYSOTILE	% AMPHIBOLE	TOTAL ASBESTOS
41	24-09-139-41	Ground Floor, Boiler Room, Ceiling Plaster	Homogeneous/ Brown	1.6563%	0% CELL 0% FBGL	100.0%	NAD	NAD	0.0%
42	24-09-139-42	Ground Floor, Boiler Room, Ceiling Plaster	Homogeneous/ Brown	0.9906%	0% CELL 0% FBGL	100.0%	NAD	NAD	0.0%
43	24-09-139-43	Ground Floor, Corridor, Ceiling Plaster	Homogeneous/ Brown	1.0828%	0% CELL 0% FBGL	100.0%	NAD	NAD	0.0%

[Signature]
 ANALYST

[Signature]
 LABORATORY DIRECTOR
 E. Dimitrakas

LABORATORY ACCREDITATION NUMBER: NYSDOH ELAP Lab Code 10955

- Samples will be stored for ninety (90) days. LTS Inc. should be notified within this time frame for a true duplicate analysis.
- The report relates only to items tested. This report must not be used to claim product endorsement by any agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of LTS Inc.
- NAD: No Asbestos Detected; SAFP: Stopped At First Positive; N/A: Not Analyzed; CH: Chrysotile; AMPH: Amphibole; CELL: Cellulose; FBGL: Fiberglass; H: Horse Hair; SY: Synthetic.
- The liability of LTS Inc. with respect to the services charged shall in no event exceed the amount of the invoice.



LABORATORY TESTING SERVICES, INC.
 40-20 22ND ST.
 LIC. NY 11101
 Ph.: (718) 389 3470, Fax: (718) 389 3471

**POLARIZED LIGHT MICROSCOPY ANALYSIS OF
 SURFACING MATERIAL CONTAINING VERMICULITE BULK SAMPLES TEST REPORT**

CLIENT/ADDRESS: Omega Environmental/280 Huyler St., So. Hackensack, NJ 07606	PROJECT: 15 Dutch Hill Road	Project #: 24-09-3258
ANALYT. METHODOLOGY: ELAP 198.8	LABORATORY ID #: 24-09-139	
DATES OF ANALYSIS: 09/26/24 - 09/30/24	DATE OF REPORT: 09/30/24	

LABORATORY RESULTS

CLIENT #	LAB. ID #	SAMPLE DESCRIPTION/ LOCATION	APPEARANCE & COLOR	% CENTRIFUGATE	% NON- ASBESTOS FIBROUS MATERIAL	%NON- FIBROUS MATERIAL	% CHRYSOTILE	% AMPHIBOLE	TOTAL ASBESTOS
44	24-09-139-44	1 st Floor, Corridor, Ceiling Plaster	Homogeneous/ Brown	1.6475%	0% CELL 0% FBGL	100.0%	NAD	NAD	0.0%
45	24-09-139-45	1 st Floor, Corridor, Ceiling Plaster	Homogeneous/ Brown	0.4874%	0% CELL 0% FBGL	100.0%	NAD	NAD	0.0%

Y. Tang

E. Dimitrakas

ANALYST

LABORATORY DIRECTOR
 E. Dimitrakas

LABORATORY ACCREDITATION NUMBER: NYSDOH ELAP Lab Code 10955

- Samples will be stored for ninety (90) days. LTS Inc. should be notified within this time frame for a true duplicate analysis.
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**LABORATORY TESTING SERVICES INC.
SM-V ANALYSIS CALCULATIONS**

SAMPLE # B24-09-139-41

Initial Weights		Comments
Crucible	30.2224	
Crucible+Sample	33.2411	
Weight of Sub-Sample	3.0187	
Ashing		
Crucible+Ash	32.7500	
Weight of Ash	2.5276	
Weight Loss During Ash	0.4911	
Weight Percent Organic and Water	16.2686	
Acid Treatment/Flotation		
Weight of Dish for Floats	3.7860	
Weight of Dish+Floats	3.8069	
Weight of Floats	0.0209	
Weight Percent Floats	0.6924	
Weight of Dish+Filter for Residue	7.2088	
Weight of Dish+Filter+Residue	7.7435	
Weight of Residue	0.5347	
Weight Loss During Acid Treatment	1.9720	
Weight Percent Acid-Soluble Materials	65.3261	
Weight Percent Residue	17.7129	

Chrysotile Point Count

PLM Examination of Residue (Chrysotile)		Slide 1	0	50
Point Count: Number of Occupied Points	400	Slide 2	0	50
Number of Chrysotile Points	0	Slide 3	0	50
		Slide 4	0	50
Percent Chrysotile in Sample	0.0000	Slide 5	0	50
		Slide 6	0	50
Heavy Liquid Centrifugation		Slide 7	0	50
Weight of Dish+Filter+Balance of Residue	7.6245	Slide 8	0	50
Weight of Balance Residue	0.4157			
Weight of Dish+Filter for Centrifugate	7.2057			
Weight of Dish+Filter+Centrifugate	7.2557			
Weight of Centrifugate	0.0500			
Weight Percent of Centrifugate	1.6563			

Amphibole Point Count

PLM Examination of Centrifugate (Chrysotile)		Slide 1	0	50
Point Count: Number of Occupied Points	400	Slide 2	0	50
Number of Amphibole Asbestos Points	0	Slide 3	0	50
		Slide 4	0	50
Percent Amphibole Asbestos in Sample	0.0000	Slide 5	0	50
Percent Total Asbestos in Sample	0.0000	Slide 6	0	50
		Slide 7	0	50
		Slide 8	0	50

Analyst:  Date: 9/26-30/24

**LABORATORY TESTING SERVICES INC.
SM-V ANALYSIS CALCULATIONS**

SAMPLE # B24-09-139-42

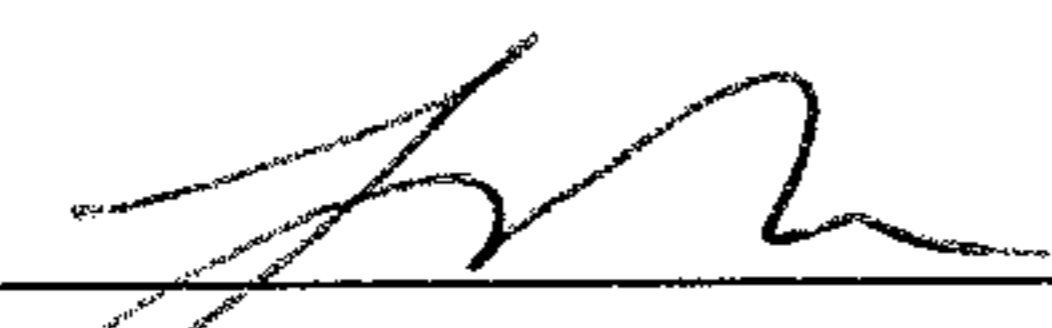
Initial Weights		Comments
Crucible	40.4091	
Crucible+Sample	43.4377	
Weight of Sub-Sample	3.0286	
Ashing		
Crucible+Ash	43.1473	
Weight of Ash	2.7382	
Weight Loss During Ash	0.2904	
Weight Percent Organic and Water	9.5886	
Acid Treatment/Flotation		
Weight of Dish for Floats	3.3674	
Weight of Dish+Floats	3.4142	
Weight of Floats	0.0468	
Weight Percent Floats	1.5453	
Weight of Dish+Filter for Residue	7.1962	
Weight of Dish+Filter+Residue	7.8045	
Weight of Residue	0.6083	
Weight Loss During Acid Treatment	2.0831	
Weight Percent Acid-Soluble Materials	68.7810	
Weight Percent Residue	20.0852	

Chrysotile Point Count

PLM Examination of Residue (Chrysotile)		Slide 1	0	50
Point Count: Number of Occupied Points	400	Slide 2	0	50
Number of Chrysotile Points	0	Slide 3	0	50
		Slide 4	0	50
Percent Chrysotile in Sample	0.0000	Slide 5	0	50
		Slide 6	0	50
Heavy Liquid Centrifugation		Slide 7	0	50
Weight of Dish+Filter+Balance of Residue	7.7255	Slide 8	0	50
Weight of Balance Residue	0.5293			
Weight of Dish+Filter for Centrifugate	7.2061			
Weight of Dish+Filter+Centrifugate	7.2361			
Weight of Centrifugate	0.0300			
Weight Percent of Centrifugate	0.9906			

Amphibole Point Count

PLM Examination of Centrifugate (Chrysotile)		Slide 1	0	50
Point Count: Number of Occupied Points	400	Slide 2	0	50
Number of Amphibole Asbestos Points	0	Slide 3	0	50
		Slide 4	0	50
Percent Amphibole Asbestos in Sample	0.0000	Slide 5	0	50
Percent Total Asbestos in Sample	0.00	Slide 6	0	50
		Slide 7	0	50
		Slide 8	0	50

Analyst:  Date: 9/26 30/24

**LABORATORY TESTING SERVICES INC.
SM-V ANALYSIS CALCULATIONS**

SAMPLE # B24-09-139-43

Initial Weights		Comments
Crucible	36.7098	
Crucible+Sample	39.7390	
Weight of Sub-Sample	3.0292	
Ashing		
Crucible+Ash	39.2456	
Weight of Ash	2.5358	
Weight Loss During Ash	0.4934	
Weight Percent Organic and Water	16.2881	
Acid Treatment/Flotation		
Weight of Dish for Floats	3.7722	
Weight of Dish+Floats	3.8058	
Weight of Floats	0.0336	
Weight Percent Floats	1.1092	
Weight of Dish+Filter for Residue	7.2047	
Weight of Dish+Filter+Residue	7.8253	
Weight of Residue	0.6206	
Weight Loss During Acid Treatment	1.8816	
Weight Percent Acid-Soluble Materials	62.1154	
Weight Percent Residue	20.4873	

Chrysotile Point Count

PLM Examination of Residue (Chrysotile)		Slide 1	0	50
Point Count: Number of Occupied Points	400	Slide 2	0	50
Number of Chrysotile Points	0	Slide 3	0	50
		Slide 4	0	50
Percent Chrysotile in Sample	0.0000	Slide 5	0	50

Heavy Liquid Centrifugation		Slide 6	0	50
Weight of Dish+Filter+Balance of Residue	7.7390	Slide 7	0	50
Weight of Balance Residue	0.5343	Slide 8	0	50
Weight of Dish+Filter for Centrifugate	7.2060			
Weight of Dish+Filter+Centrifugate	7.2388			
Weight of Centrifugate	0.0328			
Weight Percent of Centrifugate	1.0828			

Amphibole Point Count

PLM Examination of Centrifugate (Chrysotile)		Slide 1	0	50
Point Count: Number of Occupied Points	400	Slide 2	0	50
Number of Amphibole Asbestos Points	0	Slide 3	0	50
		Slide 4	0	50
Percent Amphibole Asbestos in Sample	0.0000	Slide 5	0	50
Percent Total Asbestos in Sample	0.0000	Slide 6	0	50
		Slide 7	0	50
		Slide 8	0	50

Analyst:  Date: 9/26-30/24

LABORATORY TESTING SERVICES INC.
SM-V ANALYSIS CALCULATIONS

SAMPLE # B24-09-139-44

Initial Weights		Comments
Crucible	33.0025	
Crucible+Sample	36.0495	
Weight of Sub-Sample	3.0470	
Ashing		
Crucible+Ash	35.6772	
Weight of Ash	2.6747	
Weight Loss During Ash	0.3723	
Weight Percent Organic and Water	12.2186	
Acid Treatment/Flotation		
Weight of Dish for Floats	3.3389	
Weight of Dish+Floats	3.3601	
Weight of Floats	0.0212	
Weight Percent Floats	0.6958	
Weight of Dish+Filter for Residue	7.1533	
Weight of Dish+Filter+Residue	7.6950	
Weight of Residue	0.5417	
Weight Loss During Acid Treatment	2.1118	
Weight Percent Acid-Soluble Materials	69.3075	
Weight Percent Residue	17.7781	


Chrysotile Point Count

PLM Examination of Residue (Chrysotile)		Slide 1	0	50
Point Count: Number of Occupied Points	400	Slide 2	0	50
Number of Chrysotile Points	0	Slide 3	0	50
		Slide 4	0	50
Percent Chrysotile in Sample	0.0000	Slide 5	0	50
		Slide 6	0	50

Heavy Liquid Centrifugation		Slide 7	0	50
Weight of Dish+Filter+Balance of Residue	7.6024	Slide 8	0	50
Weight of Balance Residue	0.4491			
Weight of Dish+Filter for Centrifugate	7.2087			
Weight of Dish+Filter+Centrifugate	7.2589			
Weight of Centrifugate	0.0502			
Weight Percent of Centrifugate	1.6475			

Amphibole Point Count

PLM Examination of Centrifugate (Chrysotile)		Slide 1	0	50
Point Count: Number of Occupied Points	400	Slide 2	0	50
Number of Amphibole Asbestos Points	0	Slide 3	0	50
		Slide 4	0	50
Percent Amphibole Asbestos in Sample	0.0000	Slide 5	0	50
Percent Total Asbestos in Sample	0.0000	Slide 6	0	50
		Slide 7	0	50
		Slide 8	0	50

Analyst:  Date: 9/26-30/24

**LABORATORY TESTING SERVICES INC.
SM-V ANALYSIS CALCULATIONS**

SAMPLE # B24-09-139-45

Initial Weights		Comments
Crucible	34.6939	
Crucible+Sample	37.7303	
Weight of Sub-Sample	3.0364	
Ashing		
Crucible+Ash	37.3381	
Weight of Ash	2.6442	
Weight Loss During Ash	0.3922	
Weight Percent Organic and Water	12.9166	
Acid Treatment/Flotation		
Weight of Dish for Floats	3.7377	
Weight of Dish+Floats	3.8065	
Weight of Floats	0.0688	
Weight Percent Floats	2.2658	
Weight of Dish+Filter for Residue	7.1922	
Weight of Dish+Filter+Residue	7.7388	
Weight of Residue	0.5466	
Weight Loss During Acid Treatment	2.0288	
Weight Percent Acid-Soluble Materials	66.8160	
Weight Percent Residue	18.0016	

Chrysotile Point Count

PLM Examination of Residue (Chrysotile)		Slide 1	0	50
Point Count: Number of Occupied Points	400	Slide 2	0	50
Number of Chrysotile Points	0	Slide 3	0	50
		Slide 4	0	50
Percent Chrysotile in Sample	0.0000	Slide 5	0	50
		Slide 6	0	50
Heavy Liquid Centrifugation		Slide 7	0	50
Weight of Dish+Filter+Balance of Residue	7.6544	Slide 8	0	50
Weight of Balance Residue	0.4622			
Weight of Dish+Filter for Centrifugate	7.2100			
Weight of Dish+Filter+Centrifugate	7.2248			
Weight of Centrifugate	0.0148			
Weight Percent of Centrifugate	0.4874			

Amphibole Point Count

PLM Examination of Centrifugate (Chrysotile)		Slide 1	0	50
Point Count: Number of Occupied Points	400	Slide 2	0	50
Number of Amphibole Asbestos Points	0	Slide 3	0	50
		Slide 4	0	50
Percent Amphibole Asbestos in Sample	0.0000	Slide 5	0	50
Percent Total Asbestos in Sample	0.0000	Slide 6	0	50
		Slide 7	0	50
		Slide 8	0	50

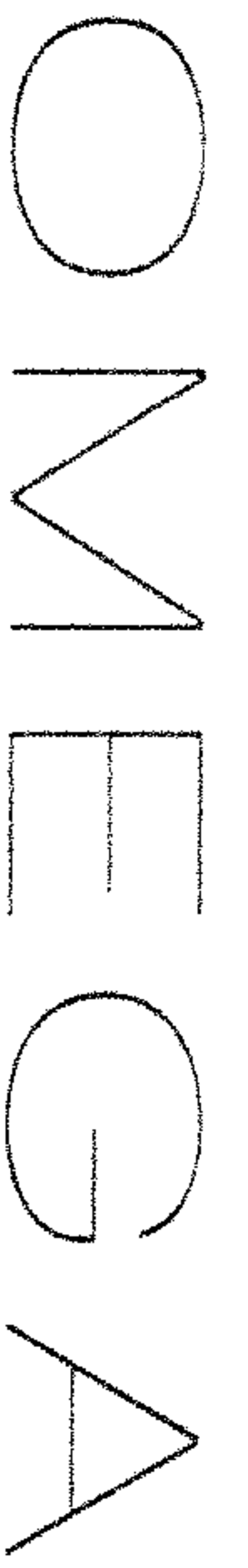
Analyst: _____

Date: _____

8/26 - 30/24

F: Documents\LTS Templates\Forms\PLM\PLM Form # 18

Revision#2 04/04/17



280 Huyler Street South Hackensack, NJ 07606

T 201.489.8700 F 201.342.5412

website www.omega-env.com

Page 1 of 6

CHAIN OF CUSTODY/ANALYSIS REQUEST FOR ASBESTOS BULK SAMPLES
email results to: lab@omega-env.com and gboyegaa@omega-env.com

B24-09-139

Project Name:	CPL: Tappan Zee High School	Turnaround Time Requested:	24 Hours
Project #:	24-09-3258	Total # of Samples:	S ²
Site Location:	15, Dutch Hill Road, Orangeburg, NY. 10962.	Analyze by each individual layer or as indicated	
Sampled By:	Gboyega Adewuyi. Insp. Lic # 23-61DRS-SHAB /Inv. Lic # 148488	Analyze all samples without 1 st positive stop	
Date Sampled:	09/21/2024 7:30 AM	Stop after 1 st positive for each homogeneous area	X

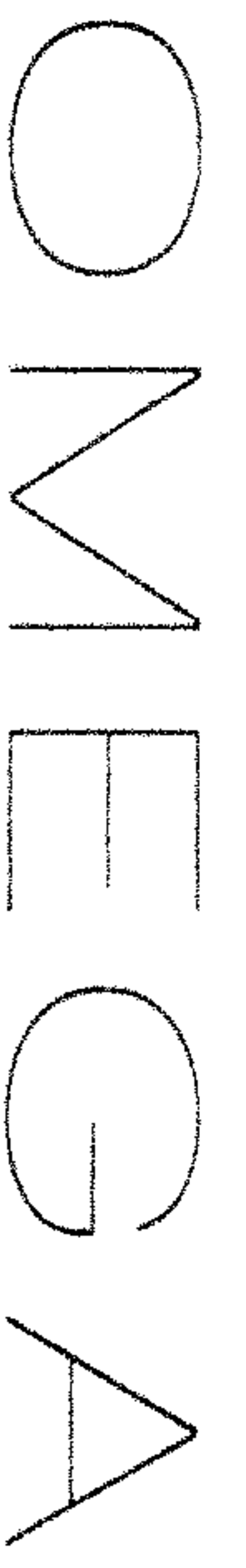
Sample #	Lab ID #	Floor/Level	Location (Room, Area, etc)	HA#	Description of Homogeneous Material (type, color, size, etc)	General Condition	Quantity	Estimated # of layers	Analysis Requested				Notes and Comments
									PLM	PLM-NOB	TEM-NOB	Other Analysis	
01		Ground Floor	Boiler Room	01	Red brick	ND	120	1072	✓				(-)/ND
02				↓	↓	↓	↓	↓	✓				↓
03				02	Mortar		885F	2072	✓				(-)/ND
04				↓	↓	↓	↓	↓	✓				↓
05				↓	↓	↓	↓	↓	✓				↓
06				03	Cinder blocks		4005F	1072	✓				(-)/ND
07				↓	↓	↓	↓	↓	✓				↓
08				04	Mortar		3605F	2072	✓				(-)/ND
09				↓	↓	↓	↓	↓	✓				↓
10				↓	↓	↓	↓	↓	✓				↓

Relinquished By & Company:	GBOYEGA ADEWUYI OMEGA ENV.	Received By Company:	
Date & Time:	09/22/2024 7PM	Date & Time:	

1988 Analyzed by: Josephina Noman

Analyzed By: E. Luckianovic

Date & Time: 9/24/24



280 Huyler Street South Hackensack, NJ 07606
 T 201.489.8700 F 201.342.5412
 website www.omega-env.com

CHAIN OF CUSTODY/ANALYSIS REQUEST FOR ASBESTOS BULK SAMPLES
 email results to: lab@omega-env.com and gboyegaa@omega-env.com 924.09.139

Project Name:	CPL: Tappan Zee High School	Turnaround Time Requested:	24 Hours
Project #:	24-09-3258	Total # of Samples:	52
Site Location:	15, Dutch Hill Road, Orangeburg, NY. 10962.	Analyze by each individual layer or as indicated	
Sampled By:	Gboyega Adewuyi. Insp. Lic # 23-61DRS-SHAB /Inv. Lic # 148488	Analyze all samples without 1 st positive stop	
Date Sampled:	09/21/2024 7:30 AM	Stop after 1 st positive for each homogeneous area	X

Sample #	Lab ID #	Floor/Level	Location (Room, Area, etc)	HA#	Description of Homogeneous Material (type, color, size, etc)	General Condition	Quantity	Estimated # of layers	Analysis Requested				Notes and Comments	
									PLM	PLM-NOB	TEM-NOB	Other Analysis		
11		Ground Floor	Baler Room	05	Tank Insulation - longy	NVD	400SF	20F2	✓					PLM stop after for 11-16
12									✓					
13									✓					
14				06			400SF	10F2	✓					(-)NAD
15									✓					
16									✓					
17				07	Gravel - Brown		4SF	1	✓					(-)NAD (-)NAD
18									✓					
19				08	-Red		4SF	1	✓					(-)NAD (-)NAD
20									✓					

Relinquished By & Company:	GBOYEGA ADEWUYI OMEGA ENV.	Received By Company	
Date & Time:	09/22/2024 7PM	Date & Time:	

198.8 Analyzed by: [Signature]

Analyzed By: E. Lockhart
 Date & Time: 9/16-3-24

CHAIN OF CUSTODY/ANALYSIS REQUEST FOR ASBESTOS BULK SAMPLES *B24-09-139*
 email results to: lab@omega-env.com and gboyegaa@omega-env.com

Project Name:	CPL: Tappan Zee High School	Turnaround Time Requested:	24 Hours
Project #:	24-09-3258	Total # of Samples:	<u>52</u>
Site Location:	15, Dutch Hill Road, Orangeburg, NY. 10962.	Analyze by each individual layer or as indicated	
Sampled By:	Gboyega Adewuyi. Insp. Lic # 23-61DRS-SHAB /Inv. Lic # 148488	Analyze all samples without 1 st positive stop	
Date Sampled:	09/21/2024 7:30 AM	Stop after 1 st positive for each homogeneous area	X

Sample #	Lab ID #	Floor/Level	Location (Room, Area, etc)	HA#	Description of Homogeneous Material (type, color, size, etc)	General Condition	Quantity	Estimated # of layers	Analysis Requested				Notes and Comments
									PLM	PLM-NOB	TEM-NOB	Other Analysis	
21		Ground Floor	Boiler Room	09	HVAC Insulation - 2 nd layer	N/D	800SF	25F2	✓				(-)NAD skip the for 21-26
22									✓				
23									✓				
24				10	1 st layer		800SF	10F2	✓				(-)NAD (-)NAD
25									✓				
26									✓				
27				11	Boiler Caulking		25F	1	✓				(-)NAD (-)NAD
28									✓				
29				12	Fiber glass pipe insulation wrap		2380SF	1	✓				(-)NAD (-)NAD
30			Hallway						✓				

Relinquished By & Company:	GBOYEGA ADEWUYI OMEGA ENV.	Received By Company	
Date & Time	09/22/2024 7PM	Date & Time:	

198.8 Analyzed by: *[Signature]* 9/20/24

Analyzed By: *E. Leckie*
 Date & Time: *9/20/24*

CHAIN OF CUSTODY/ANALYSIS REQUEST FOR ASBESTOS BULK SAMPLES *B14-09-139*
 email results to: lab@omega-env.com and gboyegaa@omega-env.com

Project Name:	CPL: Tappan Zee High School	Turnaround Time Requested:	24 Hours
Project #:	24-09-3258	Total # of Samples:	52
Site Location:	15, Dutch Hill Road, Orangeburg, NY. 10962.	Analyze by each individual layer or as indicated	
Sampled By:	Gboyega Adewuyi. Insp. Lic # 23-61DRS-SHAB /Inv. Lic # 148488	Analyze all samples without 1 st positive stop	
Date Sampled:	09/21/2024 7:30 AM	Stop after 1 st positive for each homogeneous area	X

Sample #	Lab ID #	Floor/Level	Location (Room, Area, etc)	HA#	Description of Homogeneous Material (type, color, size, etc)	General Condition	Quantity	Estimated # of layers	Analysis Requested			Notes and Comments
									PLM	PLM-NOB	TEM-NOB	
31		Ground Floor	Hallway	12	Fiber Glass Pipe Insulation wrap	NVD	23205F	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(-)MAD (-)MAD Stop after for 32-37
32			Boiler Room	13	HVAC Pipe Fitting - 2nd layer		205F	2572	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(-)MAD
33									<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
34					HVAC pipe fitting - 1st layer				<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
35				14	HVAC pipe fitting - 1st layer		205F	1072	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(-)MAD
36									<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
37									<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
38				15	Pipe to HVAC connection cement material		25F	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(-)MAD
39									<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
40									<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Relinquished By & Company:	GBOYEGA ADEWUYI OMEGA ENV.	Received By Company:	
Date & Time:	09/22/2024 7PM	Date & Time:	

1488 Analyzed by: [Signature] 9/25/24
 Analyzed By: *E. Beckriarade*
 Date & Time: *09/25/2024*

CHAIN OF CUSTODY/ANALYSIS REQUEST FOR ASBESTOS BULK SAMPLES B24. 04-139
email results to: lab@omega-env.com and gboyegaa@omega-env.com

Project Name:	CPL: Tappan Zee High School	Turnaround Time Requested:	24 Hours
Project #:	24-09-3258	Total # of Samples:	52
Site Location:	15, Dutch Hill Road, Orangeburg, NY. 10962.	Analyze by each individual layer or as indicated	
Sampled By:	Gboyega Adewuyi. Insp. Lic # 23-61DRS-SHAB /Inv. Lic # 148488	Analyze all samples without 1 st positive stop	
Date Sampled:	09/21/2024 7:30 AM	Stop after 1 st positive for each homogeneous area	X

Sample #	Lab ID #	Floor/Level	Location (Room, Area, etc)	HA#	Description of Homogeneous Material (type, color, size, etc)	General Condition	Quantity	Estimated # of layers	Analysis Requested				Notes and Comments
									PLM	PLM-NOB	TEM-NOB	Other Analysis	
441		General Floor	Boiler Room	16	Ceiling Plaster	Damage	4800SF	1	✓	✓	✓	1988 PMD 2.257verm	PUM TEM
442			↓		↓	↓	↓	1	✓	✓	✓	13.1verm	
443			Consider					1	✓	✓	✓	11.257verm	
444		01	↓		↓	↓	↓	1	✓	✓	✓	11.7verm	
445		↓	↓		↓	↓	↓	1	✓	✓	✓	13.257verm	
446		General Floor	Corridor/Foyer	17	Fitting	NVD	65F	1	✓	✓	✓	(-PMD)	
447			↓		↓	↓	↓	1	✓	✓	✓		
448			Toilet					1	✓	✓	✓		
449		01	Room 202A	18	Window glazing		105F	1	✓	✓	✓	(-PMD)	
50		General Floor	Room 111		↓	↓	↓	1	✓	✓	✓		

Relinquished By & Company:	GBOYEGA ADEWUYI OMEGA ENV.	Received By Company:	
Date & Time:	09/22/2024 7PM	Date & Time:	9/20/2024

1988 Analyzed by: [Signature] 9/20/2024

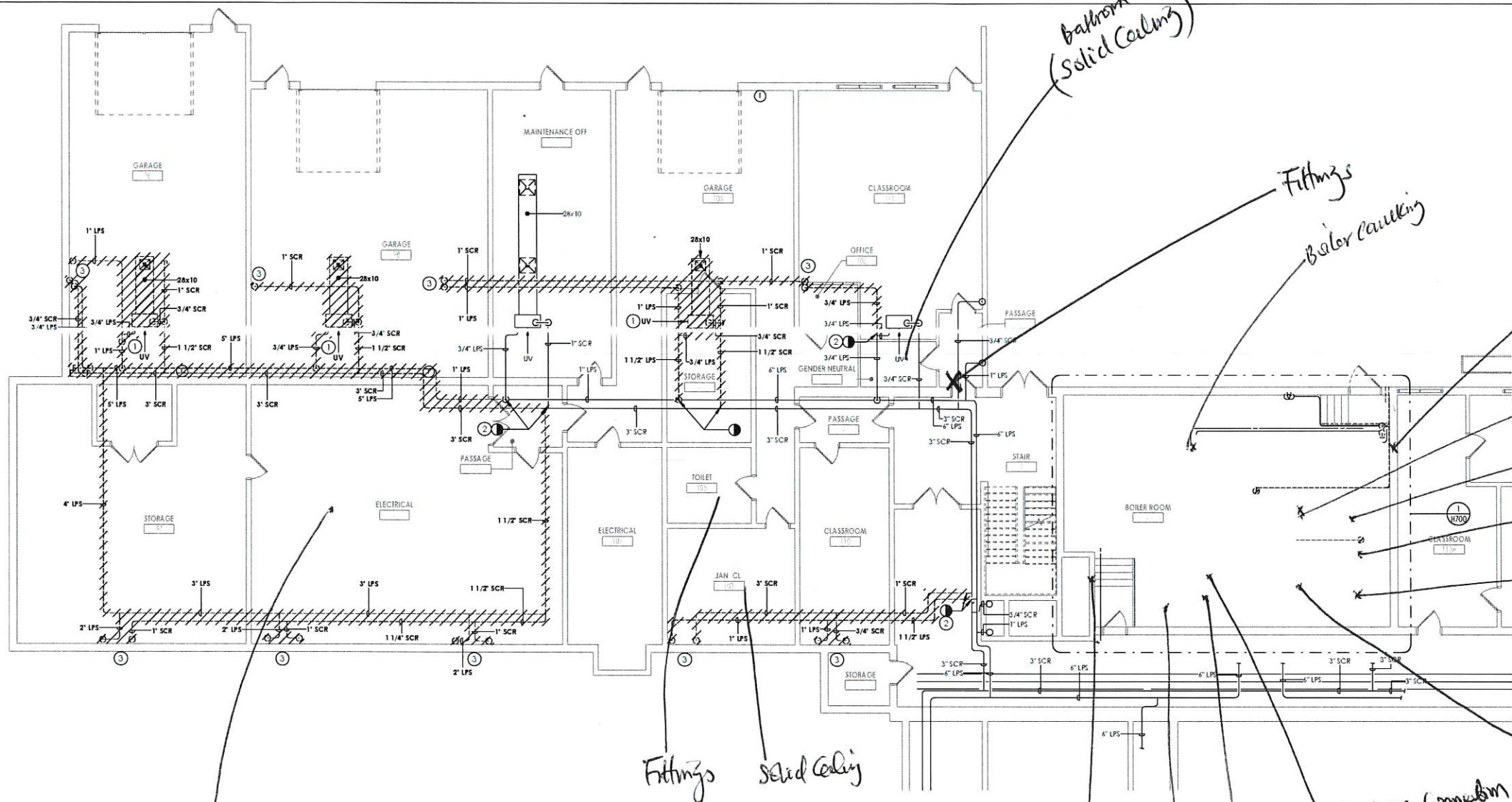
Analyzed By: Flack-Kincaid
 Date & Time: 9/11/2024

CHAIN OF CUSTODY/ANALYSIS REQUEST FOR ASBESTOS BULK SAMPLES P24-09-139
 email results to: info@omega-env.com and gboyegaa@omega-env.com

Project Name:	CPL: Tappan Zee High School	Turnaround Time Requested:	24 Hours
Project #:	24-09-3258	Total # of Samples:	S2
Site Location:	15, Dutch Hill Road, Orangeburg, NY. 10962.	Analyze by each individual layer or as indicated	
Sampled By:	Gboyega Adewuyi. Insp. Lic # 23-61DRS-SHAB /Inv. Lic # 148488	Analyze all samples without 1 st positive stop	
Date Sampled:	09/21/2024 7:30 AM	Stop after 1 st positive for each homogeneous area	X

Sample #	Lab ID #	Floor/Level	Location (Room, Area, etc)	HA#	Description of Homogeneous Material (type, color, size, etc)	General Condition	Quantity	Estimated # of layers	Analysis Requested				Notes and Comments	
									PLM	PLM-NOB	TEM-NOB	Other Analysis		
S1		01	Room 202A	19	Window Caulking	NND	14SF	1						(-)NND (-)NND PM, NND, TEM
S2		Ground floor	Room 111											

Relinquished By & Company: GBOYEGA ADEWUYI OMEGA ENV. Received By Company: *[Signature]* 9/24/24
 Date & Time: 09/22/2024 7PM Date & Time: *[Signature]* 10-3-24
 Analyzed By: F. Beckwith
 Date & Time: 10/09/24



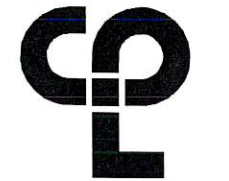
- KEY NOTES**
- 1 REMOVE UNIT VENTILATOR AND TEMPERATURE CONTROLS. REMOVE PIPING TO POINT INDICATED AND CAP.
 - 2 REMOVE PIPING FROM FLOOR ABOVE TO POINT INDICATED AND CAP.
 - 3 REMOVE PIPING TO UNIT/UNITS ABOVE.

1 H100F
GROUND FLOOR HVAC PIPING DEMOLITION PLAN - AREA F
 1/8" = 1'-0"

Handwritten notes:

- Bathroom (Solid Ceiling)
- Fittings
- Balor caulking
- Chadwick motor
- Hvac pipe Fitting layers
- Ceiling plaster
- Fiber glass pipe insulation
- Brown gasket
- Hvac insulation layers
- Pipe to hvac connection cement material
- Temp insulation
- Red Gasket
- Brick & mortar
- Fittings Solid Ceiling

Handwritten note: fiberglass pipes throughout garage area



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 Newburgh, NY 12550
 CPLTeam.com

NY ENGINEERING PROFESSIONAL REG. NO. 14457.20



PROJECT INFORMATION
 Project Number: 14457.20
 Client Name: SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
 Project Name: PHASE 2: 2022 BOND

TAPPAN ZEE HIGH SCHOOL
 Building Address: 140 VAN WYCK RD., BLAUVELT, NY 10913
 10 # 10 03 01 06-0 006-002
 Issued For: 07/23/2024
 Approved: 02/21/24
 Revised: 02/28/24
 Revised: 04/20/24

PROJECT ISSUE & REVISION SCHEDULE

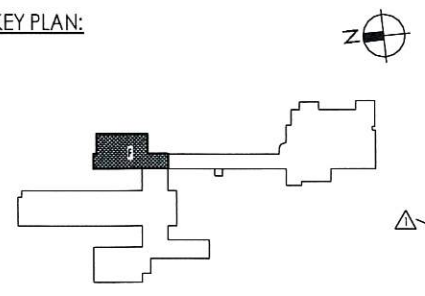
Issue #	Date	Description
1	07/23/2024	SED ADDENDUM #2

PROFESSIONAL STAMPS



NEW YORK STATE PROFESSIONAL ENGINEERS AND SURVEYORS
 JAMES HEST
 LICENSE NO. 02782025
 EXPIRES 02/28/2025

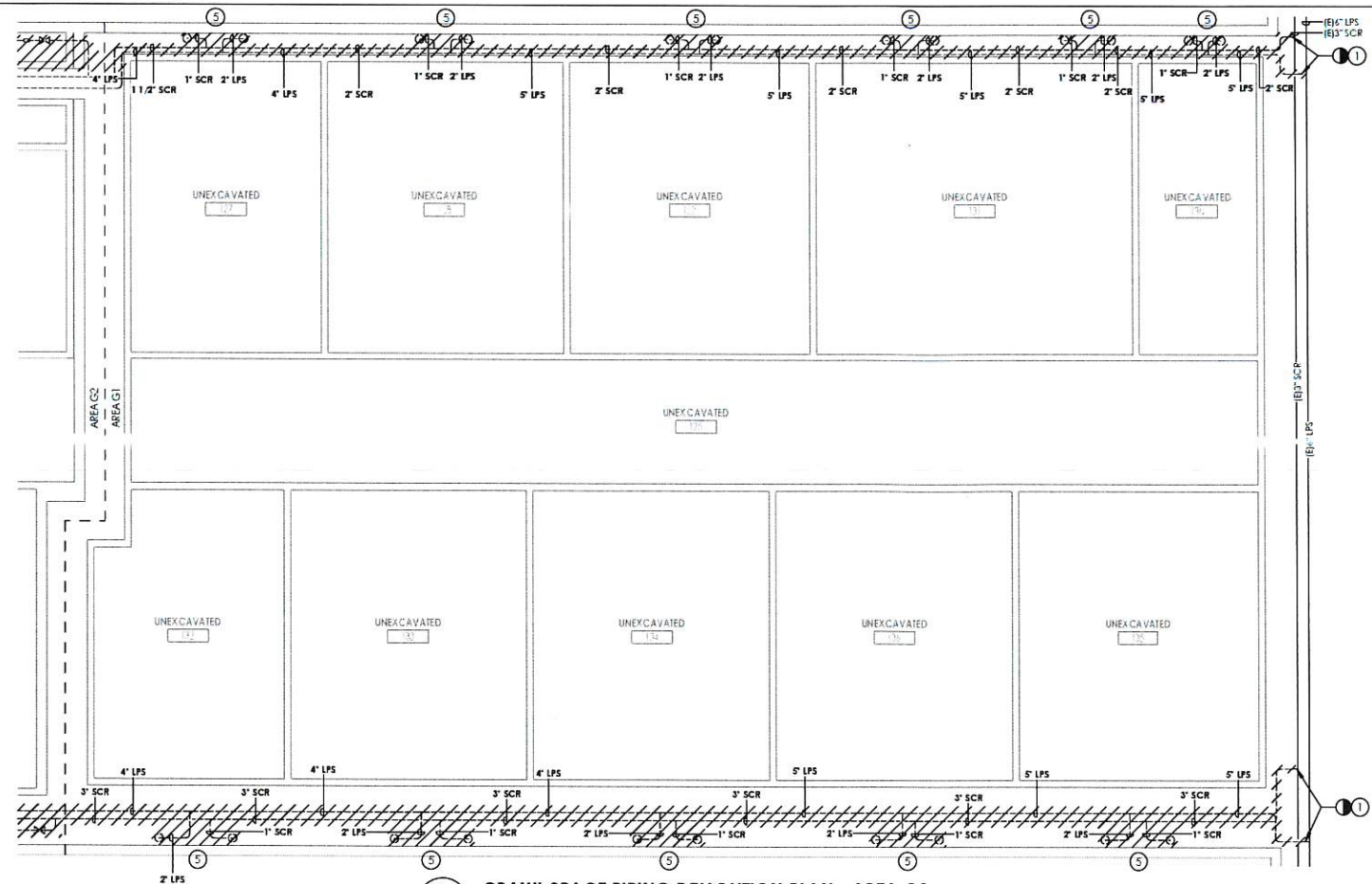
KEY PLAN:



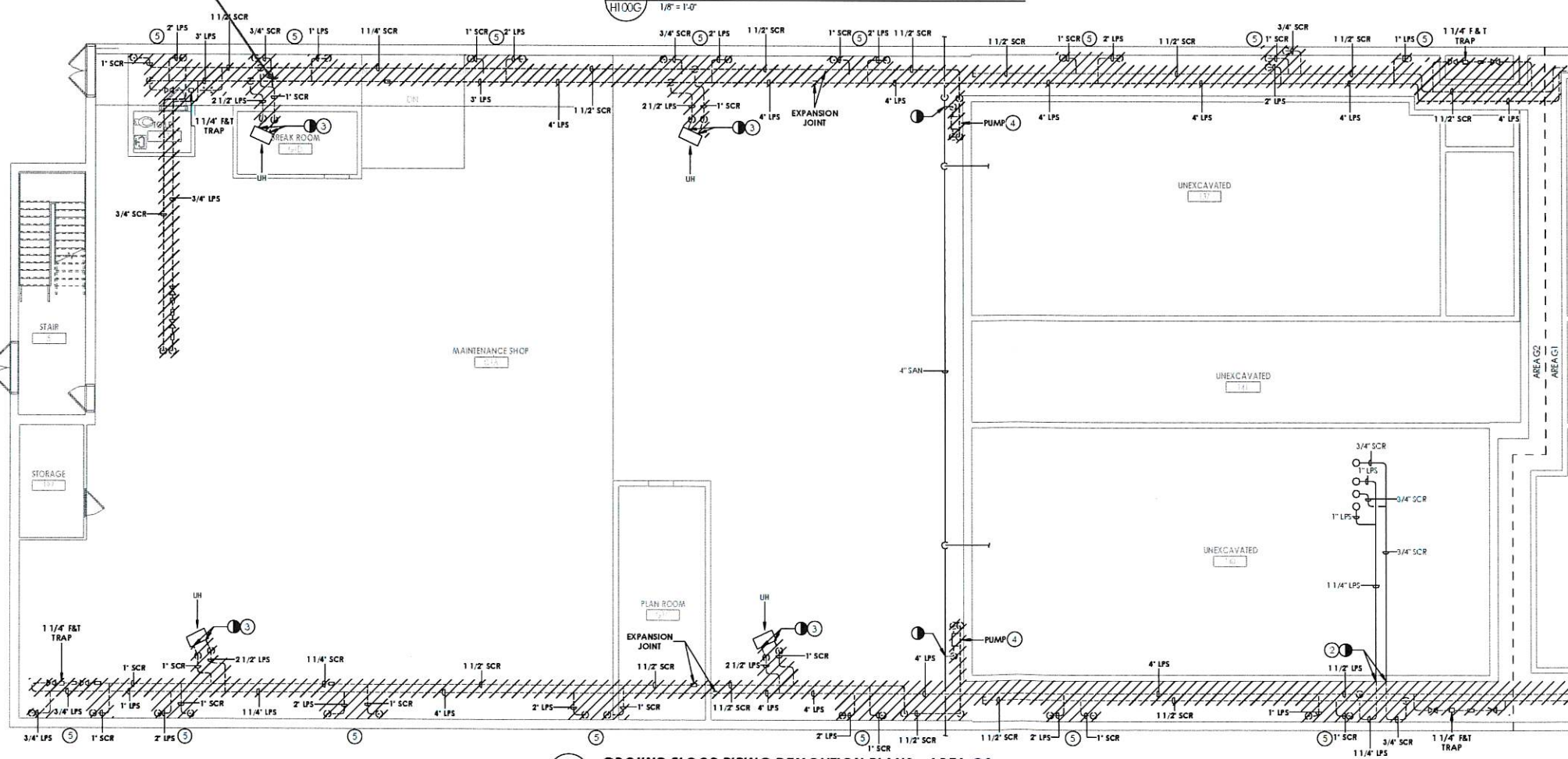
SHEET INFORMATION

Issue #	Date	Scale
1	07/23/2024	1/8" = 1'-0"

Project Status: SED SUBMISSION
 Drawn by: KCM
 Checked by: JJM
 Drawing Title: GROUND FLOOR HVAC PIPING DEMOLITION PLAN - AREA F
 Drawing Number: TZHS H100F



1
H100G
1/8" = 1'-0"
CRAWL SPACE PIPING DEMOLITION PLAN - AREA G1



2
H100G
1/8" = 1'-0"
GROUND FLOOR PIPING DEMOLITION PLANS - AREA G2

Fittings

- KEY NOTES**
- 1 REMOVE PIPING TO POINT INDICATED AND CAP AT MAIN.
 - 2 REMOVE PIPING TO POINT INDICATED AND CAP AT WALL.
 - 3 DISCONNECT PIPING FROM UNIT HEATER AND PREPARE HEATER FOR NEW CONNECTIONS.
 - 4 REMOVE PUMP AND ASSOCIATED PIPING BACK TO POINT INDICATED AND CAP.
 - 5 REMOVE PIPING TO UNIT/UNITS ABOVE.



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Newburgh, NY 12550
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NY ENGINEERING PROFESSIONAL NO. 60420



PROJECT INFORMATION

Project Number: 1445720
Client Name: SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
Project Name: PHASE 2: 2022 BOND
TAPPAN ZEE HIGH SCHOOL
Building Address: 160 VAN WYCK RD., BLAUVELT, NY 10913
110 # 10 03 01 06 0 006-003
Registration, Expiration Dates
Loren Tappan 09/20/23
Anthony Marchetti 02/20/24
Steve Hall 02/20/25
Jennifer Wengender 04/20/24

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
1	07/03/2024	SED ADDENDUM #2

PROFESSIONAL STAMPS

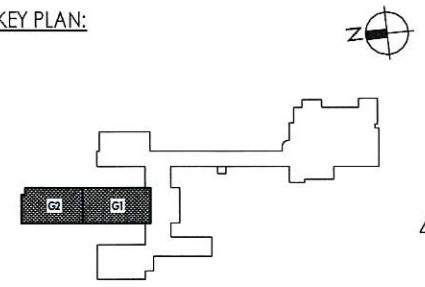


NEW YORK STATE REGISTRATION INFORMATION
THE REGISTRATION BOARD FOR ARCHITECTS AND ENGINEERS HAS REVIEWED THIS DOCUMENT AND HAS DETERMINED THAT IT IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL REGULATION ACT AND THE REGISTRATION BOARD FOR ARCHITECTS AND ENGINEERS HAS REVIEWED THIS DOCUMENT AND HAS DETERMINED THAT IT IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL REGULATION ACT.

SHEET INFORMATION

Scale: 1/8" = 1'-0"
Date: 07/03/2024
Project Status: SED SUBMISSION
Drawn by: KCM
Checked by: JJM
Drawing Title: GROUND FLOOR HVAC PIPING DEMOLITION PLAN - AREA G

KEY PLAN:



Drawing Number: TZHS H100G

Submitted by
Survey Contract;

08/31/23

ROOF PLAN LEGEND

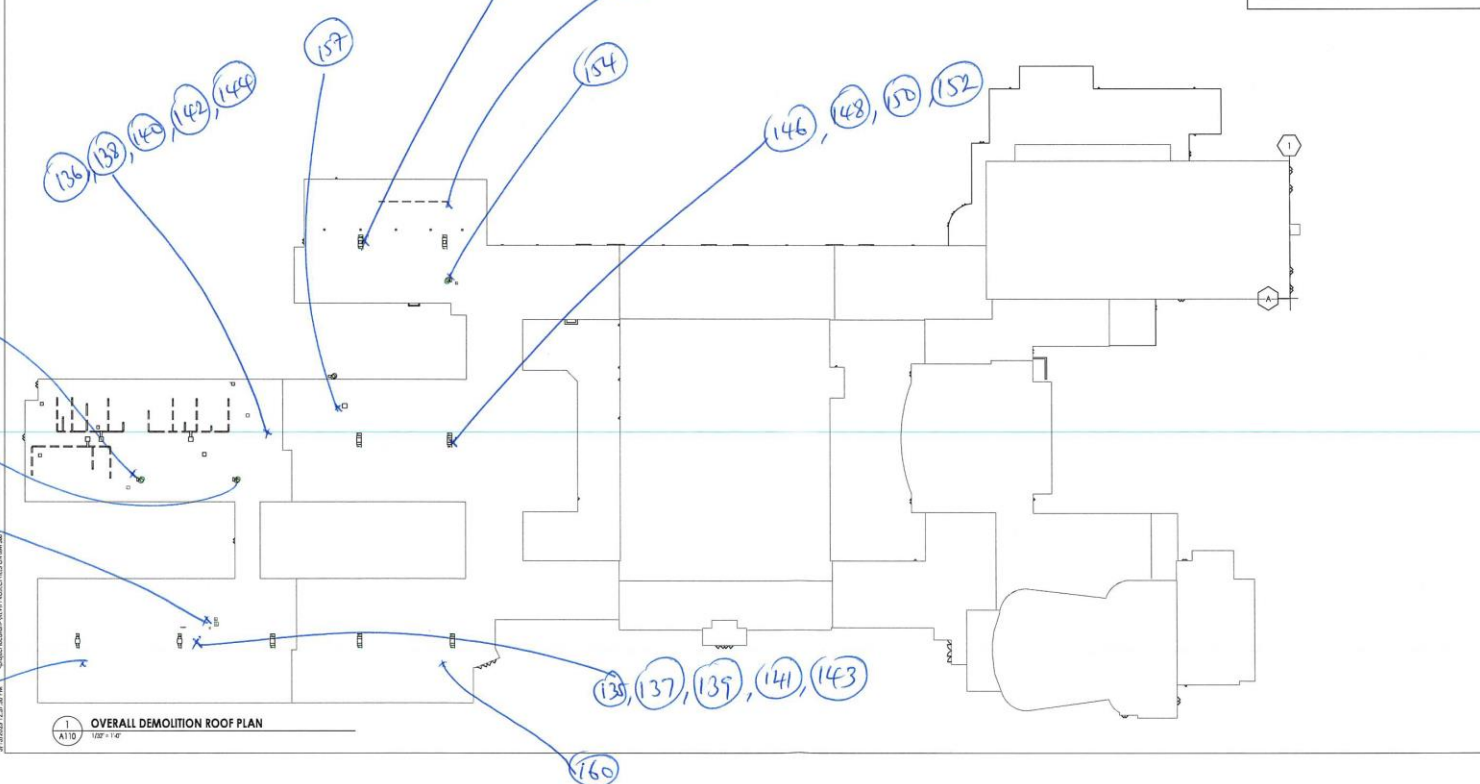
	ROOF SLOPE
	ROOF FRAME/MEMBER WALKWAY SYSTEM
	EXISTING THRU WALL SCUPPER W/ DOWNSPOUT
	BALASTED FALL PROTECTION RAILING SYSTEM
	EXPANSION JOINT
	ROOF HATCH (SINGLE LEAF)

ROOF PLAN LEGEND

	ROOF DRAIN W/ SECONDARY
	SLOPED INSULATION LOW POINT (MIN. 3/12)
	SLOPED INSULATION HIGH POINT (MIN. 3/12)
	SLOPED INSULATION ROOF CIRCUIT. PROVIDE 1/4" IF POSSIBLE DRAINAGE
	VENTS THRU ROOF. PROVIDE FLASHING PER ROOF MANUFACTURER'S DETAILS
	DUCT SUPPORT. PROVIDE FLASHING PER ROOF MANUFACTURER'S DETAILS
	MARK CUBES (w/ CIRCLES). PROVIDE FLASHING PER ROOF MANUFACTURER'S DETAILS

ROOF PLAN GENERAL NOTES

- ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF MATERIAL FIELD WORK. ALL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL ROOF PENETRATIONS PRIOR TO COMMENCEMENT OF WORK.
- REFER TO ALL DRAWINGS FOR THE SET FOR LOCATIONS OF ALL ROOF PENETRATIONS. PROVIDE FRAMING AS REQUIRED.
- PAINT ALL ROOF MEMBERS EXPOSED TO VIEW AT ENDPOINTS OF DECK TO MATCH WORK AREA SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE BROOM CLEAN AT THE END OF EACH DAY.
- ALL WOOD JOISTING USED SHALL BE PRESERVE TREATED.
- INSTALL ALL ROOF BRIMS AND CUTTING TRIM JOISTS IN THE DECK FOR ANY DRAINS AND PROVIDING STRUCTURAL SUPPORTS.
- THE ROOF PENETRATIONS SHOWN ON THE PLAN ARE SHOWN TO ESTABLISH RELATIVE HEIGHTS OF THE INDIVIDUAL ROOFS.
- NO ROOF HATCH SHALL BE COVERED OR PLUGGED AS A RESULT OF THE ROOFING WORK, UNLESS OTHERWISE SPECIFIED.
- MANHOLE WASTE TECHNIQUE AND PROVIDE PROTECTION AT AVIARY OPENINGS IN THE ROOF LEFT AT THE END OF EACH DAY.
- REMOVE CIRCUITS FOR WASTE DIVERSION AT ALL CURBS, WALLS, ETC. WHICH RUN PERPENDICULAR TO THE SLOPE OF THE INSULATION/DECK STRUCTURE.
- ALL ROOF TOP SURFACES SHALL BE ADDRESS ON IF RUN, INSULATE METAL CURBS. PROVIDE INSULATED INSULATION CIRCUITS AS REQUIRED TO SHED WATER. WOOD BLOCKING SHALL BE PROVIDED SO CURBS ARE AT A MINIMUM INSULATED ROOF SURFACE.
- PROVIDE WOOD JOISTING AS REQUIRED TO MEET THE HIGH POINT SUPPORT THE INSULATION AT ROOF EDGES. THE ROOF EDGE JOISTING SHALL NOT BE USED UNLESS OTHERWISE NOTED. ALL WOOD JOISTING SHALL BE PRESERVE TREATED.
- ALL MARKS AND CIRCLES ARE TO HAVE A MIN. 1/4" AS ROOF SLOPE AS INDICATED. PROVIDE CIRCUITS FOR DIVERSION OF WATER AT ALL CURBS, WALLS, ETC. WHICH RUN PERPENDICULAR TO SLOPE OF INSULATION.
- AT ALL MECHANICAL EQUIPMENT, PROVIDE SLOPED INSULATION AS REQUIRED TO DRAIN ROOF WATER AWAY FROM HIGH SIDE OF CURBS.
- ALL ROOFS TO HAVE MINIMUM R-VALUE OF R-20 (CLIMATE ZONE 4) AND R-10 FOR ALL ROOFS TO HAVE MINIMUM R-VALUE OF R-20 (CLIMATE ZONE 2).
- UPON COMPLETION OF WORK, THE GENERAL CONTRACTOR SHALL SHAKE OUT ALL ROOF DRAINS AND VERIFY ALL ARE CLEAR AND LEFT IN A FREE FLOWING CONDITION.
- ALL CURBS FOR MECHANICAL EQUIPMENT SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE GENERAL CONTRACTOR ASSOCIATED ROOFING/FLASHING BY GENERAL CONTRACTOR.
- THE INSTALLED ROOFING SYSTEM SHALL MEET ALL REQUIREMENTS FOR CLASSIFICATION AS A CLASS "B" ROOF SYSTEM.
- PROVIDE AND APPLY ADHESIVE VAPOR BARRIER TO ALL ROOF SURFACES AT THE BEGINNING OF CONSTRUCTION. ADHESIVE VAPOR BARRIER SHALL REMAIN IN PLACE THROUGHOUT CONSTRUCTION.



1 OVERALL DEMOLITION ROOF PLAN
1/2" = 1'-0"

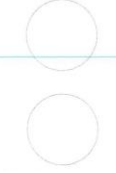


PROJECT INFORMATION
 Project Name: R23-1402-20
 Client: SOVER CHANGESTOWN CENTRAL SCHOOL DISTRICT
 Project Name: PHASE 2 - 2023 BOND
 Location: TAPPAN HEE HIGH SCHOOL, 12 BUCKHILL ROAD, CHANGESTOWN, NY 10942

SOUTH CHANGESTOWN CSD

PROJECT RISK & REVIEW SCHEDULE

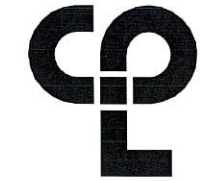
PROFESSIONAL STAMPS



PROFESSIONAL INFORMATION

SHEET INFORMATION
 Date: 08/31/23
 Author: AJP/edward
 Project: DESIGN DEVELOPMENT
 Scale: 1/2" = 1'-0"
 Drawing No: A110
 Title: ROOF DEMOLITION PLAN

Drawing Number: TZHS A110



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50 Front Street Suite 202
Newburgh, NY 12550
CPLteam.com

NY ENGINEERING FIRM CERTIFICATE #026830



PROJECT INFORMATION
Project Number: 14457.20
Client Name: SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
Project Name: PHASE 2: 2022 BOND

TAPPAN ZEE HIGH SCHOOL
Building Address: 160 VAN WYCK RD., BLAUVELT, NY 10913

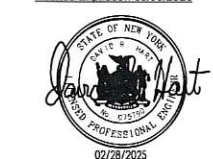
2024 # 02-03-01-04-000-033
State Education Director: Debra M. Scoppa
Superintendent: Anthony Mancini
Supt. Asst.: Anthony Mancini
Supt. Asst.: Anthony Mancini
Supt. Asst.: Anthony Mancini

PROJECT ISSUE & REVISION SCHEDULE

Issue #	Date	Description
1	07/03/2024	SED ADDENDUM #2

*Survey on! 10/25/24
09/21/24*

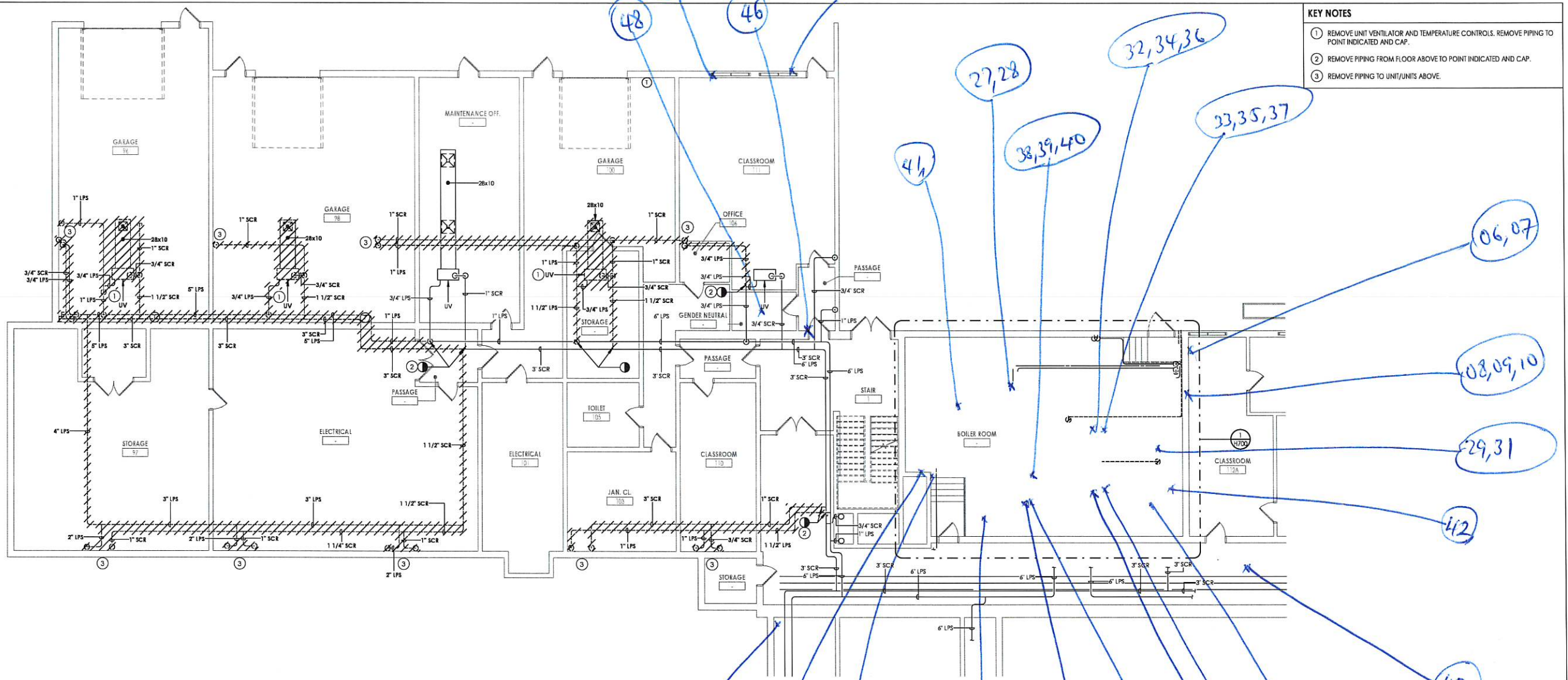
PROFESSIONAL STAMPS



THE PROFESSIONAL ENGINEER OR ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION CONTAINED HEREIN AND FOR THE PROTECTION OF THE PUBLIC INTEREST. THE ENGINEER OR ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION CONTAINED HEREIN IF THE INFORMATION IS NOT BASED ON A PROFESSIONAL ENGINEER OR ARCHITECT'S DESIGN OR CALCULATION.

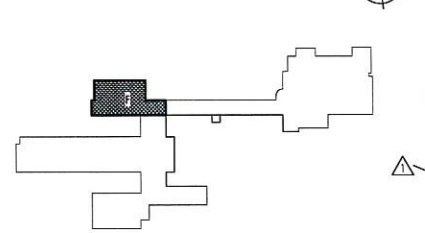
SHEET INFORMATION
Date: 07/03/2024
Scale: 1/8" = 1'-0"
Project Name: SED SUBMISSION
Drawn By: KCM
Checked By: JJM
Drawing Title: GROUND FLOOR HVAC PIPING DEMOLITION PLAN - AREA F
Drawing Number: TZHS H100F

- KEY NOTES**
- 1 REMOVE UNIT VENTILATOR AND TEMPERATURE CONTROLS. REMOVE PIPING TO POINT INDICATED AND CAP.
 - 2 REMOVE PIPING FROM FLOOR ABOVE TO POINT INDICATED AND CAP.
 - 3 REMOVE PIPING TO UNIT/UNITS ABOVE.

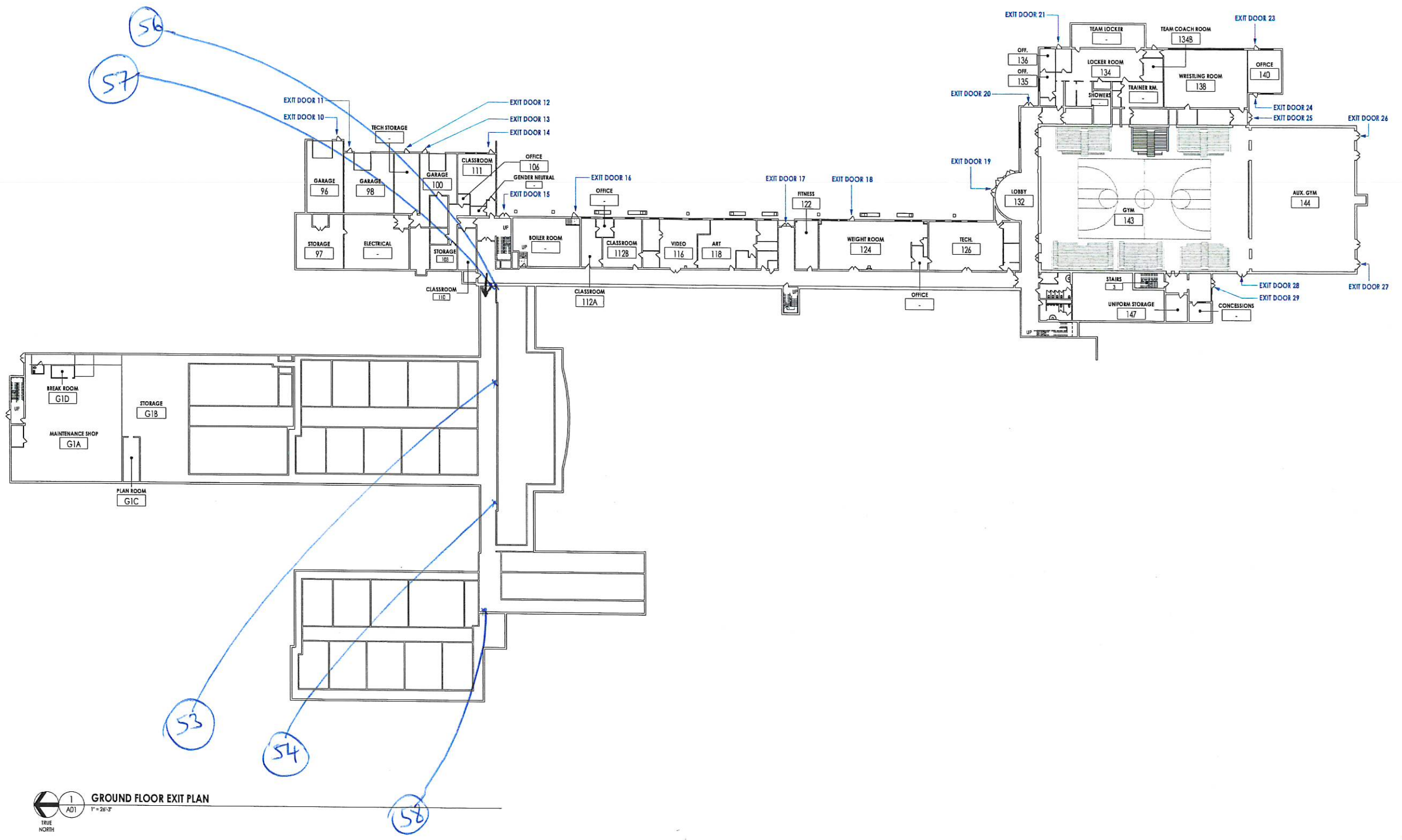


1 GROUND FLOOR HVAC PIPING DEMOLITION PLAN - AREA F
H100F 1/8" = 1'-0"

KEY PLAN:

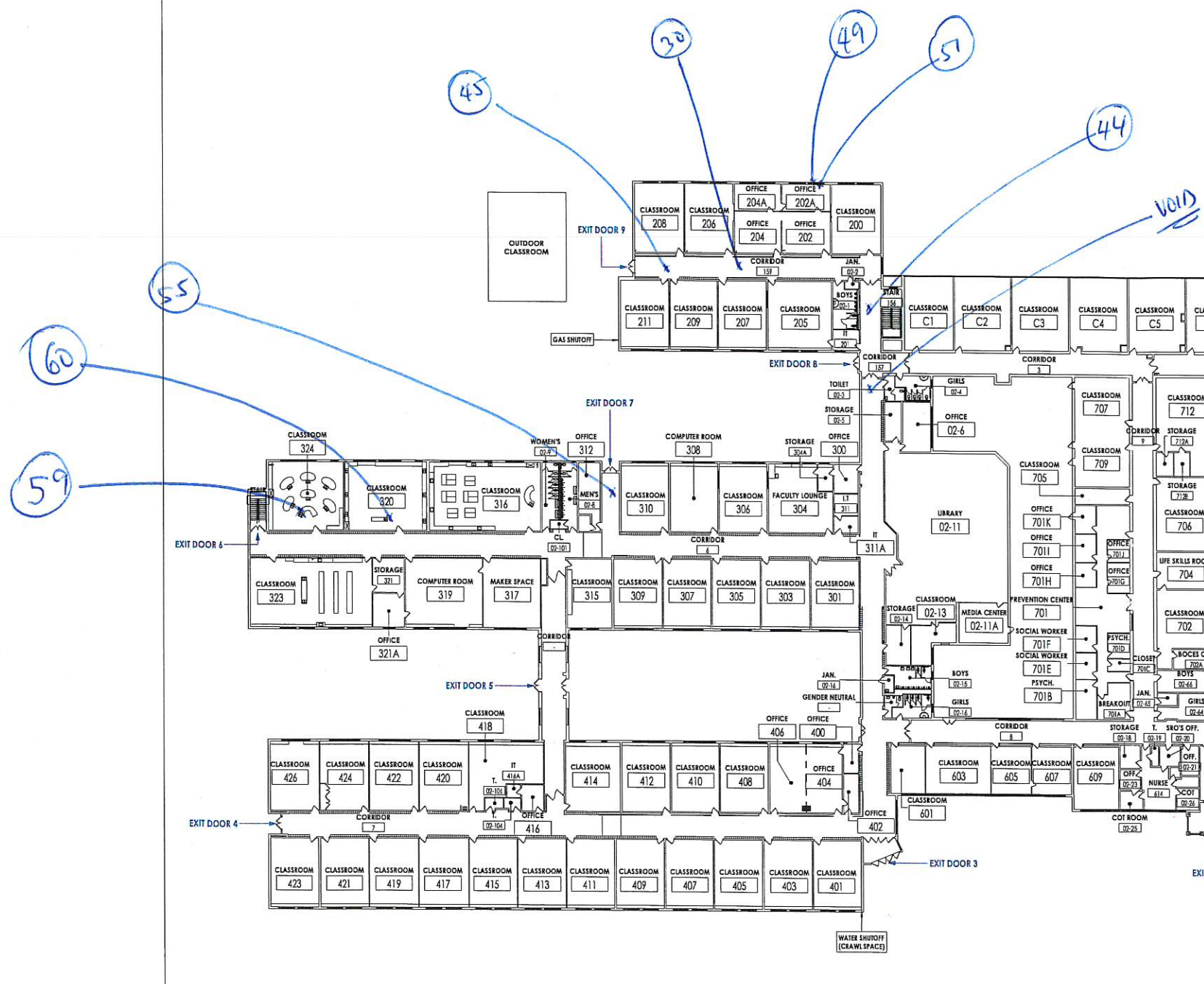


4/21/2024 3:35:38 PM c:\project\locatops\REVIT\PROJECT FILES ON BIM 360



1
A01
GROUND FLOOR EXIT PLAN
1" = 24'-3"
TRUE
NORTH

Sinberg on:
10/25/24
09/21/24



1
A02
TRUE NORTH
1" = 26'-3"
MAIN LEVEL EXIT PLAN

Survey on:
10/25/24
07/21/24



SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT

08/02/24

TAPPAN ZEE HIGH SCHOOL - MAIN LEVEL PLAN

SCALE 1" = 24'-3"
TAPPAN ZEE HIGH SCHOOL
15 DUTCH HILL RD. ORANGETOWN, NY 10962



ASBESTOS BULK SAMPLING & ANALYSIS REPORT
[Omega Project #24-10-3373]

CLIENT NAME/ADDRESS: Lisa J. Fasciglione
CPL
30 Century Hill Drive
Latham, NY 12110

SITE/BUILDING: Tappan Zee High School
15 Dutch Hill Road
Orangeburg, NY 10962

LEVEL/ROOM/AREA: 300 Science Wing Rooms/ Crawl Spaces

SURVEY DATE: 10/25/2024

REPORT DATE: 11/11/2024

PURPOSE OF ASBESTOS ACCESSIBLE MATERIAL SURVEY
BULK SAMPLING: Pre-Renovation/Demolition

SURVEY SCOPE: Building/Area Occupied During Survey (y/n) Y
Full Access (y/n) Y
Accessible Materials Only (y/n) Y
Probe Cuts (y/n) Y
Concealed Materials (y/n) Y
Drawings Provided (y/n) Y
PW-1 (NYC only) N

INSPECTOR/INVESTIGATOR: Name: Gboyega Adewuyi
Signature:

License #: 23-61DRS-SHAB/148488

PROJECT MANAGER: Name/Signature: Anton Rezin/

REPORT QC BY: Name: Veronica Kero, CIH, P.E.

SUMMARY OF FINDINGS: Asbestos Delineated (y/n) N

SAMPLING LIMITATIONS/CONDITIONS:

It is important to note that all asbestos containing materials (ACM) may not be delineated during one single sampling event. Frequently, as a project progresses and wall/ceilings, equipment, and other concealed areas are exposed, additional bulk sampling may potentially be required.

The following limitations/exclusions apply:

1. Asbestos bulk sampling report should not be used as sole reference source to determine Contractor scope of work – additional field coordination required in order to generate “Abatement Work Plan”.
2. If scope of renovation changes, and/or walls/ceilings/chases/flooring opened, then additional asbestos bulk sampling required at a later date.
3. Until selective demolition is performed, all concealed materials cannot be viewed or accessed for sampling.
4. All sampling is representative in nature and does not reflect every square inch of material.
5. Roof/façade sampling: Roof leaks may occur as a result of roof bulk sampling. Omega will utilize temporary roof patch; however, since Omega is not a professional roofer, we cannot make guarantees or maintain warranties against roof leakage.
6. Findings are representative of site conditions on day of investigation.
7. Subject survey conducted according to published regulations in effect on survey date.

Building/Area Description:

The subject building would be described as an educational facility.

The bulk sampling was performed in 300 Wing Science Room/Ground Floor Crawl Space

Asbestos Sample Analysis Methods and Sample Count:

- *PLM by EPA 600/M4/82/080 and NYS 198.1(friable):* # samples collected 2
- *TEM-NOB by NYS ELAP 198.4 (non-friable):* # samples collected 6
- *PLM-NOB by NYS ELAP 198.6 (non-friable):* # samples collected 6
- *VC-SOF by NYS ELAP 198.8 method* # samples collected 0

Bulk samples were submitted to ELAP accredited Laboratory Testing Services / accreditation #10955 utilizing sealed chain-of-custody procedures.

Definitions:

ACM: asbestos containing material

RACM: regulated asbestos containing material

VCM: vermiculite containing material

TSI: thermal system insulation (pipe insulation)

SSI: surfacing material (spray-on fireproofing, plaster, etc.)

Miscellaneous finish material: sheetrock, floor tile, roofing, other

NOB: non-organically bound non-friable material (e.g. roofing, floor tile, etc.)

Significantly damaged: 20% or more of asbestos surfacing material has visible damage.

Damaged: less than 20% or asbestos surfacing material has visible damage or damage is scattered such that less than 20% of total surface area impacted.

No visible damage: no visible damage noted.

Criteria for Positive Classification as Regulated Asbestos Containing Material (RACM):

Asbestos containing material (ACM)

The EPA defines ACM as any material having an Asbestos content greater than 1%. If the analytical results for any sample of suspected material indicate that asbestos is present above a level of one percent, the building material is classified as regulated ACM (RACM) which triggers management and/or abatement, if impacted.

Vermiculite

NYSDOH requires additional second tier analysis of spray-on fireproofing and other surfacing materials found to contain 1% or greater vermiculite during standard PLM bulk sample analysis. The purpose of the NYS ELAP 198.8 method is to reduce background interference in order to verify asbestos content down to 1%.

Representative Nature of All Sampling:

The purpose of bulk sampling is to characterize representative materials, not remove and test every square inch of material. The Inspector/Investigator uses a combination of EPA recommended bulk sampling criteria and professional judgment to select representative sampling locations of each suspect material type. In certain rare cases, building materials may appear to be homogeneous (e.g. plaster, roofing, etc.) but vary section to section due to patching, different installation methods floor-to-floor, and other causes. Additional testing beyond normal survey protocol can be required for these scenarios.

Asbestos Survey Methodology:

HOMOGENEOUS AREAS: A homogeneous area is a portion of a building/structure with similar/same installed materials such that bulk analysis results from one area can be applied in the next for the purpose of asbestos quantification.

'FIRST POSITIVE STOP': In order to reduce unnecessary survey laboratory analysis costs when samples are collected in groups of three (3) or two (2), as required by EPA sampling criteria, when the first or second sample is reported as positive in a group, then the additional samples are declared positive with no analysis.

SAMPLING FROM SLAB UP: Because older/original bottom layer materials are more likely to contain asbestos versus newer layers, materials such as floor tiles and roofing are sampled from the slab up. If a positive lower or middle layer is identified, all materials in the layered system can be declared ACM if they cannot be separated during the abatement process.

SHEETROCK JOINT COMPOUND TESTING: Since most sheetrock wallboard systems are painted, it is difficult to impossible to assess where one type of material starts and ends. EPA has published memos concerning composite sampling that were not approved by OSHA which requires discrete sampling. This agency does not recognize composite testing of joint compound for the purpose of preventing employee exposure. NYSDOL also requires separate sampling of joint compound. The PLM analysis method has been generally utilized for this material type, where samples in the trace-1% inconclusive range are also run by TEM-NOB for additional accuracy.

Asbestos Bulk Sampling & Analysis Results:

Representative bulk sampling and analysis was conducted on 10/25/2024 by Gboyega Adewuyi according to the following:

SAMPLE ID	HA	SAMPLE LOCATION	MATERIAL DESCRIPTION	EST. # OF LAYERS	FRIABLE/NON-FRIABLE	LAB RESULTS	
						%Asbestos	%Vermiculite
1	20	Ground Floor- Crawl Space	Fiberglass Pipe Insulation Wrap with Tar	1	Non-Friable	None Detected	None Detected
2	20	Ground Floor- Crawl Space	Fiberglass Pipe Insulation Wrap with Tar	1	Non-Friable	None Detected	None Detected
3	20	1 st Floor- Crawl Space	Fiberglass Pipe Insulation Wrap with Tar	1	Non-Friable	None Detected	None Detected
4	21	1 st Floor- Crawl Space	Wall Insulation	1	Non-Friable	None Detected	None Detected
5	21	1 st Floor- Crawl Space	Wall Insulation	1	Non-Friable	None Detected	None Detected
6	21	1 st Floor- Crawl Space	Wall Insulation	1	Non-Friable	None Detected	None Detected
7	22	300 Wing- Room 324	Laboratory Countertop	1	Friable	None Detected	None Detected
8	22	300 Wing- Room 320	Laboratory Countertop	1	Friable	None Detected	None Detected

Survey Field Notes:

The following was noted during the survey process:

- N/A

Exclusions/exemptions/assumptions

The following areas/materials were found to be inaccessible:

- N/A

Next Step in Asbestos Survey Process:

NO ACM IDENTIFIED

For the current scope of work (see exclusions above), no asbestos abatement work is expected to be required at this time.

For a NYC site, an *ACP-5* can be generated in order to proceed with other DOB filing(s) if a PW-1 general construction scope of work form is provided.

If risers/chases/walls/ceilings opened for mechanical tie-in work, then additional asbestos investigation will be required.

If you or your associates have any questions regarding this report, please contact office @ 201.489.8700.

Attachments:

- *Copies of survey personnel and company asbestos license*
- *Survey photo-documentation*
- *Laboratory analysis reports with chain-of-custody*
- *Scope of work drawing provided by Client*



WE ARE YOUR DOL

NEW YORK STATE
Department
of Labor

DIVISION OF SAFETY & HEALTH LICENSE AND CERTIFICATE UNIT, STATE OFFICE CAMPUS, BLDG. 12, ALBANY, NY 12226

ASBESTOS HANDLING LICENSE

Omega Laboratories, Inc.
280 Huyler Street, S. Hackensack, NJ, 07606

License Number: 29673

License Class: RESTRICTED

Date of Issue: 02/14/2024

Expiration Date: 03/31/2025

Duly Authorized Representative: Gary Mellor

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Amy Phillips, Director
For the Commissioner of Labor

EXCELSIOR

NYC DEP ASBESTOS CONTROL PROGRAM
ASBESTOS CERTIFICATE



ADEWUYI,
GBOYEGA
INVESTIGATOR
148488
EXPIRES: 09/21/2025
DOB:09/21/1976 M 5' 10"

MUST BE CARRIED ON ALL ASBESTOS PROJECTS

NYC DEP ASBESTOS CONTROL PROGRAM

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



GBOYEGA ADEWUYI
CLASS(EXPIRES)
C ATEC (09/24) D INSP (09/24)
E MGPL (09/24) H PM (09/24)

CERT# 23-61DRS-SHAB
DMV# 592853111

MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR

Photos



Crawl Space Below 1st Floor



Fiberglass Pipe Insulation with Tar



Crawl Space Above Lower Level



Laboratory Countertop



Crawl Space



Man Hole to Crawl Space



Wall Insulation

BULK ASBESTOS TEST REPORT

Client/Address: Omega Environmental/280 Huyler St., So. Hackensack, NJ 07606				Project: 15 Dutch Hill Road				Project #: 24-10-3373			
Laboratory ID: 24-10-258				Date of Report: 10/28/24				Date of Analysis: 10/27/24, 10/28/24			

Client ID # Lab ID #	Stereomicroscope Analysis				Sample Description	% Non-Fibrous Material	% Friable Results		% AII	% PLM NOB Results		% TEM NOB Results		% TOTAL Asbestos
	A	BK/S	E											
53 24-10-258-01	B	2	F		Ground Fl, Crawl Space, Fiberglass Pipe Insulation Wrap With Tar				22.16	NAD		NAD		NAD
	C	198.4/6	G							Inconclusive				
	D		H											
54 24-10-258-02	B	2	F		Ground Fl, Crawl Space, Fiberglass Pipe Insulation Wrap With Tar				18.84	NAD		NAD		NAD
	C	198.4/6	G							Inconclusive				
	D		H											
55 24-10-258-03	B	2	F		1st Fl, Crawl Space, Fiberglass Pipe Insulation Wrap With Tar				18.09	NAD		NAD		NAD
	C	198.4/6	G							Inconclusive				
	D		H											
56 24-10-258-04	B	1	F		1st Fl, Crawl Space, Wall Insulation				0.28	NAD		NAD		NAD
	C	198.4/6	G							Inconclusive				
	D		H											
57 24-10-258-05	B	1	F		1st Fl, Crawl Space, Wall Insulation				0.29	NAD		NAD		NAD
	C	198.4/6	G							Inconclusive				
	D		H											
58 24-10-258-06	B	1	F		1st Fl, Crawl Space, Wall Insulation				0.76	NAD		NAD		NAD
	C	198.4/6	G							Inconclusive				
	D		H											

BULK ASBESTOS TEST REPORT

Client/Address: Omega Environmental/280 Huyler St., So. Hackensack, NJ 07606	Project: 15 Dutch Hill Road Project #: 24-10-3373
Laboratory ID: 24-10-258	Date of Report: 10/28/24
Date of Analysis: 10/27/24, 10/28/24	

Client ID # Lab ID #	Stereomicroscope Analysis				Sample Description	% Non-Fibrous Material	% Friable Results		% AII	% PLM NOB Results		% TEM NOB Results		% TOTAL Asbestos
	A	BK	E											
59 24-10-258-07	A	BK	E		1st Fl, 300 Wing: Rm 324, Laboratory Countertop	100.00	NAD							NAD
	B	1	F											
	C	198.4/6	G											
	D		H											
60 24-10-258-08	A	BK	E		1st Fl, 300 Wing: Rm 320, Laboratory Countertop	100.00	NAD							NAD
	B	1	F											
	C	198.4/6	G											
	D		H											

BULK ASBESTOS TEST REPORT

Client/Address: Omega Environmental/280 Huyler St., So. Hackensack, NJ 07606	Project: 15 Dutch Hill Road	Project #: 24-10-3373
Laboratory ID: 24-10-258	Date of Report: 10/28/24	Date of Analysis: 10/27/24, 10/28/24



PLM ANALYST

Y. Zhao



PLM-NOB ANALYST

Y. Zhao



TEM-NOB ANALYST

J. Pang



LABORATORY DIRECTOR

E. Dimitrakas

LABORATORY ACCREDITATION NUMBERS: NVLAP Lab Code 101958-0, NYSDOH ELAP Lab ID 10955

- Samples will be stored for sixty (60) days. LTS Inc. should be notified within this time frame for a true duplicate analysis.
 - Above results relate only to samples submitted and analyzed. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of LTS Inc.
 - The liability of LTS Inc., with respect to the services charged, shall in no event exceed the amount of the invoice.
 - Analytical Methodologies: EPA 600/M4-82-020 (Point Count only) and ELAP Methods 198.1, 198.4, 198.6.
 - NAD: No Asbestos Detected, NVD: No Vermiculite Detected, SAFF: Stopped at First Positive, CH: Chrysotile, AMOS: Amosite, TRE: Tremolite, ANTH: Anthophyllite, ACT: Actinolite, and CRO: Crocidolite.
 - Stereomicroscopic Analysis: A: Color, B: Layers, C: Methodology, D: Cellulose, E: Fiberglass, F: Hair, G: Vermiculite, H: OTHER
 - Color: BK: Black, BR: Brown, Dk BR: Dark Brown, Lt BR: Light Brown, R BR: Reddish Brown, GR: Gray, Dk GR: Dark Gray, Lt GR: Light Gray, BE: Beige, P: Pink, R: Red, T: Tan, WH: White, Off WH: Off White, Y: Yellow, BL: Blue, CR: Cream, GN: Green, O: Orange, Multi.: Multiple Colors
- Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

CHAIN OF CUSTODY/ANALYSIS REQUEST FOR ASBESTOS BULK SAMPLES
 email results to: lab@omega-env.com and gboyegaa@omega-env.com

B24-10-258

Project Name:	CPL: TAPPAN ZEE HIGH SCHOOL.	Turnaround Time Requested:	24 Hours
Project #:	24-10-3373 (on) med Job # - 24-09-3258	Total # of Samples:	8
Site Location:	15, DUTCH HILL ROAD ORANBURG. NY 10962	Analyze by each individual layer or as indicated	
Sampled By:	Gboyega Adewuyi. Lic 23-61DRS-SHAB / Lic 148488.	Analyze all samples without 1 st positive stop	
Date Sampled:	10/25/2024	Stop after 1 st positive for each homogeneous area	X

Sample #	Lab ID #	Floor/Level	Location (Room, Area, etc)	HA#	Description of Homogeneous Material (type, color, size, etc)	General Condition	Quantity	Estimated # of layers	Analysis Requested				Notes and Comments
									PLM	PLM-NOB	TEM-NOB	Other Analysis	
53	1	Ground fl	Craw space	20	Fiber glass pipe insulation wrap with Tar	NVD	1160SF	1		✓	✓		(-)MAD (-)MAD
54	2	↓	↓	↓	↓	↓	↓	1		✓	✓		↓ ↓
55	3	01	↓	↓	↓	↓	↓	1		✓	✓		↓ ↓
56	4	↓	↓	21	Wall insulation	↓	40SF	1		✓	✓		(-)MAD (-)MAD
57	5	↓	↓	↓	↓	↓	↓	1		✓	✓		↓ ↓
58	6	↓	↓	↓	↓	↓	↓	1		✓	✓		↓ ↓
59	7	↓	300 Wing: Rm 324	22	Laboratory Counter-Top	↓	400SF	1	✓				(-)MAD
60	8	↓	↓ : 320	↓	↓	↓	↓	1	✓				↓

Relinquished By & Company:	GBOYEGA ADEWUYI OMEGA ENV.	Received By Company:	<i>[Signature]</i> 10/25/24
Date & Time:	10/25/2024 4PM	Date & Time:	

Analyzed By: *[Signature]*
 Date & Time: 10/27/24

CHAIN OF CUSTODY/ANALYSIS REQUEST FOR ASBESTOS BULK SAMPLES

email results to: lab@omega-env.com and gboyegaa@omega-env.com

B24-10-258

Project Name:	CPL: TAPPAN ZEE HIGH SCHOOL.	Turnaround Time Requested:	24 Hours
Project #:	24-10-3373 (orig. job # - 24-09-3258)	Total # of Samples:	8
Site Location:	15, DUTCH HILL ROAD ORANBURG. NY 10962	Analyze by each individual layer or as indicated	
Sampled By:	Gboyega Adewuyi. Lic 23-61DRS-SHAB / Lic 148488.	Analyze all samples without 1 st positive stop	
Date Sampled:	10/25/2024	Stop after 1 st positive for each homogeneous area	X

Sample #	Lab ID #	Floor/Level	Location (Room, Area, etc)	HA#	Description of Homogeneous Material (type, color, size, etc)	General Condition	Quantity	Estimated # of layers	Analysis Requested				Notes and Comments
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54	2	↓	↓	↓	↓	↓	↓	1		✓	✓		↓ ↓
55	3	01	↓	↓	↓	↓	↓	1		✓	✓		↓ ↓
56	4	↓	↓	21	Wall insulation	↓	40SF	1		✓	✓		(-)MAD (-)MAD
57	5	↓	↓	↓	↓	↓	↓	1		✓	✓		↓ ↓
58	6	↓	↓	↓	↓	↓	↓	1		✓	✓		↓ ↓
59	7	↓	300 wing: Rm 324	22	Laboratory Casework-Top	↓	400SF	1	✓				(-)MAD
60	8	↓	↓ : 320	↓	↓	↓	↓	1	✓				↓

Relinquished By & Company:	GBOYEGA ADEWUYI OMEGA ENV.	Received By Company:	<i>[Signature]</i> 10/25/24
Date & Time:	10/25/2024 4PM	Date & Time:	

Analyzed By: *Jianna Pang*
 Date & Time: 10/27/24



CPL | Architecture Engineering Planning
50 Front Street Suite 202
Newburgh, NY 12550
CPLteam.com

NY ENGINEERING FIRM CERTIFICATE #026830



PROJECT INFORMATION
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Client Name: SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
Project Name: PHASE 2: 2022 BOND

TAPPAN ZEE HIGH SCHOOL
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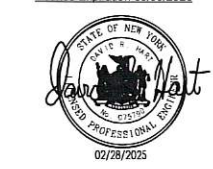
2024 # 02-03-01-04-000-033
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Supt. Asst.: Steve Hart
Assistant Supt.: Jennifer Wangenar

PROJECT ISSUE & REVISION SCHEDULE

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*Survey on! 10/25/24
09/21/24*

PROFESSIONAL STAMPS



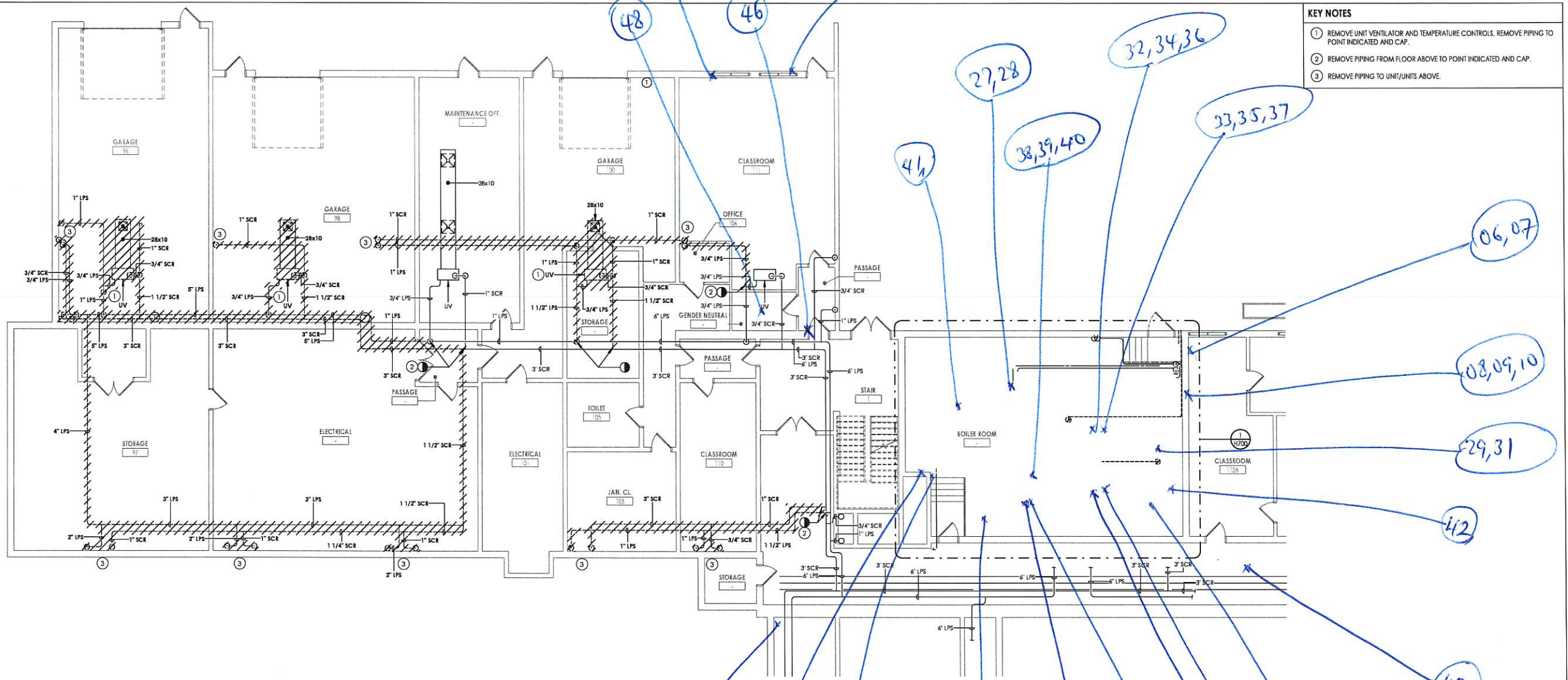
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Drawn By: KCM
Checked By: JJM
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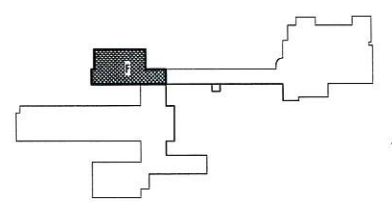
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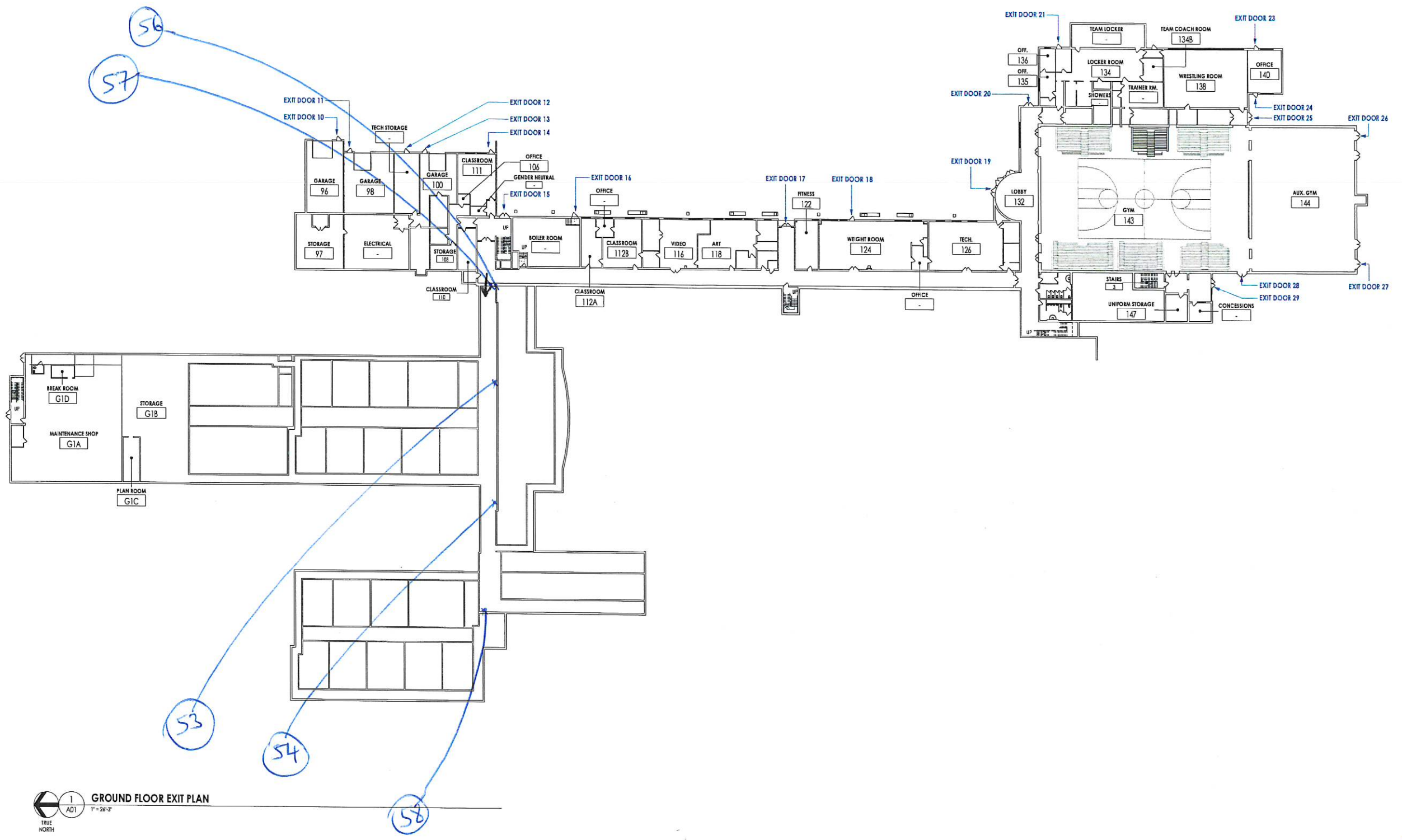


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H100F 1/8" = 1'-0"

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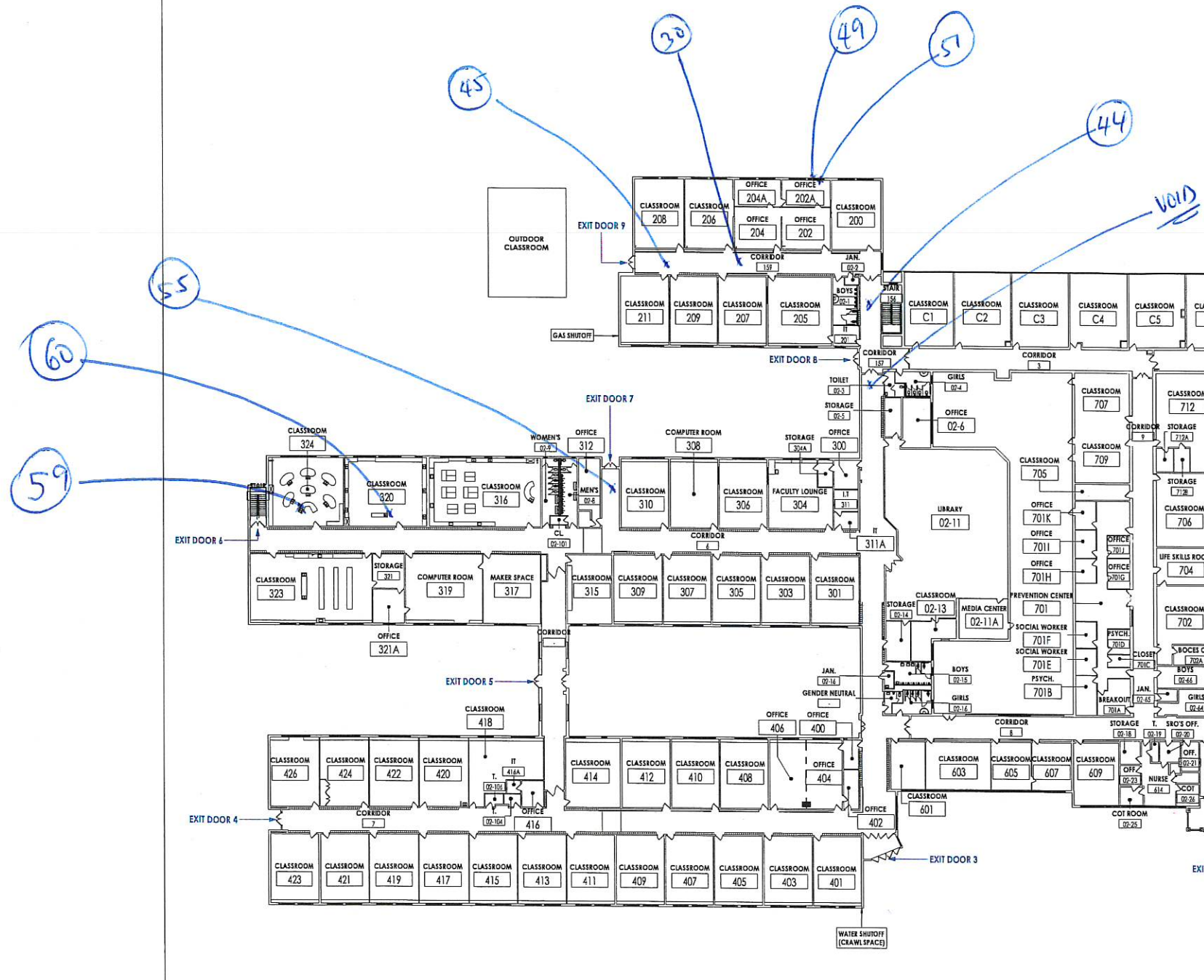


4/21/2024 3:35:38 PM c:\project\locations\REVIT\PROJECT FILES ON BIM 360



1
A01
GROUND FLOOR EXIT PLAN
1" = 24'-3"
TRUE NORTH

Sinberg on:
10/25/24
09/21/24



1
A02
TRUE NORTH
1" = 26'-3"
MAIN LEVEL EXIT PLAN

Survey on:
10/25/24
07/21/24



SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT

08/02/24

TAPPAN ZEE HIGH SCHOOL - MAIN LEVEL PLAN

SCALE 1" = 24'-3"
TAPPAN ZEE HIGH SCHOOL
15 DUTCH HILL RD. ORANGETOWN, NY 10962

**SECTION 004000
FORM OF PROPOSAL - GENERAL CONSTRUCTION**

DATED: _____

Bid from: Name: _____
Address: _____

Phone No.: _____
Fax No.: _____

Bid to: South Orangetown Central School District
160 Van Wyck Rd.
Blauvelt, NY 10913

Bid for: 2022 BOND - PHASE 2
GENERAL CONSTRUCTION

BASE BID

We have examined and fully understand the requirements and intent of the Bidding and Contract Documents and all subsequent addenda as listed below, and propose to provide all materials, plant, labor, supplies, equipment, transportation and other facilities necessary, or proper for, or incidental to the Work, to complete all Work in strict accord with the Contract Documents and as assigned in the Multiple Contract Summary for the base bid lump sum of:

Total Lump Sum Base Bid (in numbers): \$ _____

Total Lump Sum Base Bid (in words): _____

ADDENDA RECEIVED

Any addenda issued by the Architect, mailed or delivered, to the undersigned prior to the Bid opening date shall become part of the Contract Documents. The Bidder shall enter on this list any addenda issued after this Form of Proposal has been received and shall fill in the addenda number and date.

Addendum No.: _____ Dated: _____
Addendum No.: _____ Dated: _____
Addendum No.: _____ Dated: _____
Addendum No.: _____ Dated: _____
Addendum No.: _____ Dated: _____

BID GUARANTEE

The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within ten (10) days after a written Notice of Award, if offered within forty-five (45) days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5 %) of the Base Bid.

In the event Owner does not offer Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

TIME OF COMPLETION

It is agreed by the undersigned that after receipt of a Notice of Award and a consummation of a Contract Agreement in accord with the terms of the Contract Documents, he or she will start work within ten (10) consecutive calendar days of the notice to proceed and fully complete the work as indicated in the Contract Documents.

ALLOWANCES

The Bidder acknowledges that all Allowances, pursuant to their Contract, have been included in the Base Bid. Should the following allowance(s) exceed ,or be less than, the cost of selected items, the difference in cost shall be added to, or credited to, the Owner's Contract. Refer to Specification Section 012100 "Allowances" for description of each allowance.

General CONSTRUCTION; GC-1 Allowance Amount:
\$190,000.00

ALTERNATE BIDS

Enter a whole dollar amount, even if it is zero (\$ 0), for each Alternate Bid. Circle either "ADD to" or "DEDUCT from" for each Alternate Bid. If neither is circled, "DEDUCT from" will be assumed. Do not leave any Alternate Bid amount blank. If any Alternate Bid amount is left blank, it will be assumed the Bidder will provide that Alternate Bid for no change, neither increase to nor decrease from, the Base Bid amount.

Alternate Bid No.; GC-01: CONSTRUCTION YEAR PHASING

ADD to | **DEDUCT from** the base bid a total sum of:
(in numbers) \$ _____
(in words) _____

UNIT PRICES

Enter in unit prices from spec section 012200. (Unit prices are used in anticipation that there will be additional quantities of materials and labor not expressly indicated on the contract documents.)

- 1. Unit Price No. GC-1: Ceiling Tile
\$ _____ per 4 SF
- 2. Unit Price No. GC-2: Labor Rate
\$ _____ per hour straight time
- 3. Unit Price No. GC-3: Wall Board Removal
\$ _____ per SF of Wall board

BID SECURITY

Bid Security in the form of a Certified or Cashier's Check or a Bid Bond in the form required by the Contract Documents is attached to, and made a part of, this Proposal.

IRAN DIVESTMENT ACT CERTIFICATION

Contractor to submit with the bid, Iran Divestment Act Certification which hereto is made a part of this Form of Proposal and is attached at the end of this Form of Proposal.

EXECUTIVE ORDER NO. 16- PROHIBITING STATE AGENCIES AND AUTHORITIES FROM CONTRACTING WITH BUSINESSES CONDUCTION BUSINESS IN RUSSIA

Contractor to submit with the bid, Certification under Executive Order No. 16: prohibiting State Agencies and Authorities from Contracting with Businesses Conducting Business in Russia, which hereto is made a part of this Form of Proposal and is attached at the end of this Form of Proposal.

REPRESENTATIONS

By submitting this Proposal, the Bidder represents and certifies to the Owner and the Architect that:

1. It has examined the Contract Documents, the site of the proposed Work, is familiar with the local conditions at the place where the Work is to be performed and fully comprehends the requirements and intent of the plans and specifications for this Project in accordance with the drawings, specifications and other Contract Documents prepared by CPL, the Owners Consultant, for this Project.
2. It has examined and reviewed, where applicable, all information and data in the Contract Documents related to existing underground facilities at or contiguous to the site. Bidder shall require of the Owner or Architect no further investigations, explorations, tests or reports with respect to such underground facilities in order for the Bidder to perform the Work of the Proposal within the Contract Time and in accordance with the Contract Documents.
3. It has given notice to the Architect, as required by the Contract Documents of any and all discrepancies it has discovered and accepts the resolution of those discrepancies offered by the Architect.
4. Pursuant to New York State General Municipal Law section 103-d, by submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of knowledge and belief:
 - a. The prices in this bid have been arrived at independently without collusion, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
 - b. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not be knowingly disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or competitor; and
 - c. No attempt has been made or will be made by bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.
5. The proposal is based upon the materials, equipment and systems required by the Contract Documents, without exception, unless otherwise set forth in this Proposal in detail.

CHANGE ORDERS

We propose and agree that the above lump sum shall be adjusted for changes in the Contract Work not included in unit prices by addition of the following costs:

1. Profit and overhead as permitted in the GENERAL CONDITIONS.

NON-COLLUSIVE BIDDING CERTIFICATION

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of knowledge and belief:

1. The prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
2. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor; and
3. No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

ACCEPTANCE

When this Proposal is accepted, the undersigned agrees to enter into a Contract with the Owner as provided in the Form of Agreement.

AFFIRMS

The undersigned affirms and agrees that this Proposal is a firm one which remains in effect and will be irrevocable for a period of forty-five (45) days after opening of Bids.

TYPE OF BUSINESS

The undersigned hereby represents that it is a [] Corporation, [] Partnership, [] Individual. If a Corporation, then the undersigned further represents that it is duly qualified as a Corporation under the laws of New York State and it is authorized to do business in this State.

PLACE OF BUSINESS

The following is the name and address of the person to whom all notices required in connection with this Proposal may be telephoned, mailed, or delivered.

Name of Contact Person:	
Name of Business or Firm:	
Address:	
Address:	
Telephone:	Fax:
Email Address:	
FEIN: Federal Employer Identification No.:	

EXECUTION OF CONTRACT

When written Notice of Acceptance of the Proposal is mailed or delivered to the undersigned within forty-five (45) days after the opening of Bids, or anytime thereafter should the Proposal not be withdrawn, the undersigned, within ten (10) days, will execute the Form of Agreement with the Owner.

ASBESTOS

The bidder certifies that no asbestos or asbestos-containing materials will be incorporated into the Work of this Contract.

AUTHORIZED SIGNATURES FOR PROPOSALS

Signature:	
Name:	
	<i>(Typed or Printed)</i>
Title:	
Firm:	
	<i>(Legal Name of Person, Single Proprietorship, Partnership, or Corporation)</i>
Date:	

(if Corporation, provide seal above)

IRAN DIVESTMENT ACT CERTIFICATION

By submission of this bid, (DL & AV Equip 1315), or by assuming the responsibility of a Contract awarded hereunder, each bidder and each person signing on behalf of any bidders, certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief:

That each bidder/contractor/assignee is not on the "Entities Determined To Be Non-Responsive Bidders/Offerers Pursuant to The New York State Iran Divestment Act of 2012" list created pursuant to paragraph (b) subdivision 3 of section 165-a of the New York State Finance Law and posted on the OGS website at www.ogs.ny.gov/about/regs/docs/ListofEntities.pdf and further certifies that it will not utilize on such Contract any subcontractor that is identified on the Prohibited Entities List. Additionally, Bidder/Contractor is advised that should it seek to renew or extend a Contract awarded in response to the solicitation, it must provide the same certification at the time the Contract is renewed or extended. (See Article 10 in the Instructions to Bidders.)

NAME OF COMPANY: _____
(Individual or Legal Name of Firm or Corporation)

MAILING ADDRESS: _____

CITY/STATE/ZIP CODE: _____

BY: _____
(Signature of Representative of Firm or Corporation)

NAME: _____ TITLE: _____
Please Print *Please Print*

DATED: _____

SWORN to before me this
_____ day of _____ 20 ____

Notary Public: _____

SEXUAL HARASSMENT POLICY/TRAINING AFFIRMATION

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that the bidder has and has implemented a written policy addressing sexual harassment prevention in the workplace and provides annual sexual harassment prevention training to all its employees.

Contractor Information:

Name of Contractor: _____

Address: _____

Phone Number: _____ Fax Number: _____

Email Address: _____

Contractor Website: _____

(Signature of Contractor)

(Title)

(Date)

CERTIFICATION UNDER EXECUTIVE ORDER NO. 16

Executive Order No 16 provides that "all Affected State Entities are directed to refrain from entering into any new contract or renewing any existing contract with an entity conducting business operations in Russia."

The Executive Order remains in effect while sanctions imposed by the federal government are in effect. Accordingly, vendors who may be excluded from award because of current business operations in Russia are nevertheless encouraged to respond to solicitations to preserve their contracting opportunities in case the sanctions are lifted during a solicitations or even award in the case of some solicitations.

As defined in Executive Order No. 6, an "entity conducting business operations in Russia" means an institution or company, wherever located, conducting any commercial activity in Russia or transacting business with the Russian Government or with commercial entities headquartered in Russia or with their principal place of business in Russia in the form of contracting, sales, purchasing, investment, or any business partnership.

Is Vendor an entity conducting business operations in Russia, as defined above? Please answer by checking one of the following.

- _____ 1. No, Vendor does not conduct business operations in Russia within the meaning of Executive Order No. 16.
- _____ 2.a. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16 but has taken steps to wind down business operations in Russia or is in the process of winding down business operations in Russia. (Please provide a detailed description of the wind down process and a schedule for completion.)
- _____ 2.b. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16 but only to the extent necessary to provide vital health and safety services within Russia or to comply with federal law, regulations, executive orders, or directives. (Please provide a detailed description of the services being provided or the relevant laws, regulations, etc.)
- _____ 3. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16.

The undersigned certifies under penalties of perjury that they are knowledgeable about the Vendor's business and operations and that the answer provided herein is true to the best of their knowledge and belief.

Vendor Name: _____

(legal entity)

By: _____

(signature)

Name: _____

Title: _____

Date: _____

END OF SECTION

SECTION 004001
FORM OF PROPOSAL - HAZARDOUS MATERIALS ABATEMENT CONSTRUCTION

DATED: _____

Bid from: Name: _____
Address: _____

Phone No.: _____
Fax No.: _____

Bid to: South Orangetown Central School District
160 Van Wyck Rd.
Blauvelt, NY 10913

Bid for: 2022 BOND - PHASE 2
[] ABATEMENT WORK (AC)

BASE BID

We have examined and fully understand the requirements and intent of the Bidding and Contract Documents and all subsequent addenda as listed below, and propose to provide all materials, plant, labor, supplies, equipment, transportation and other facilities necessary ,or proper for, or incidental to the Work, to complete all Work in strict accord with the Contract Documents and as assigned in the Multiple Contract Summary for the base bid lump sum of:

Total Lump Sum Base Bid (in numbers): \$ _____

Total Lump Sum Base Bid (in words): _____

ADDENDA RECEIVED

Any addenda issued by the Architect, mailed or delivered, to the undersigned prior to the Bid opening date shall become part of the Contract Documents. The Bidder shall enter on this list any addenda issued after this Form of Proposal has been received and shall fill in the addenda number and date.

Addendum No.: _____ Dated: _____
Addendum No.: _____ Dated: _____
Addendum No.: _____ Dated: _____
Addendum No.: _____ Dated: _____
Addendum No.: _____ Dated: _____

BID GUARANTEE

The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within ten (10) days after a written Notice of Award, if offered within forty-five (45) days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5 %) of the Base Bid.

In the event Owner does not offer Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

TIME OF COMPLETION

It is agreed by the undersigned that after receipt of a Notice of Award and a consummation of a Contract Agreement in accord with the terms of the Contract Documents, he or she will start work within ten (10) consecutive calendar days of the notice to proceed and fully complete the work as indicated in the Contract Documents.

ALLOWANCES

The Bidder acknowledges that all Allowances, pursuant to their Contract, have been included in the Base Bid. Should the following allowance(s) exceed ,or be less than, the cost of selected items, the difference in cost shall be added to, or credited to, the Owner's Contract. Refer to Specification Section 012100 "Allowances" for description of each allowance.

Hazardous Materials Abatement CONSTRUCTION; AC-1 Allowance Amount: \$20,000

ALTERNATE BIDS

Enter a whole dollar amount, even if it is zero (\$ 0), for each Alternate Bid. Circle either "ADD to" or "DEDUCT from" for each Alternate Bid. If neither is circled, "DEDUCT from" will be assumed. Do not leave any Alternate Bid amount blank. If any Alternate Bid amount is left blank, it will be assumed the Bidder will provide that Alternate Bid for no change, neither increase to nor decrease from, the Base Bid amount.

Alternate Bid No. ; AC-01: CONSTRUCTION YEAR PHASING

ADD to | DEDUCT from the base bid a total sum of:

(in numbers) \$ _____
(in words) _____

UNIT PRICES

Enter in unit prices from spec section 012200. (Unit prices are used in anticipation that there will be additional quantities of materials and labor not expressly indicated on the contract documents.)

- 1. Unit Price No. AC-1: Abatement of Asbestos containing Pipe Fittings
\$ _____ per Fitting
- 2. Unit Price No. AC-2: Abatement of Asebestos containing Pipe Insulation
\$ _____ per Linear Foot
- 3. Unit Price No. AC-3: Abatement of VAT Flooring
\$ _____ per Square Foot
- 4. Unit Price No. AC-4: Abatement of Wall Boards
\$ _____ per Linear Foot

BID SECURITY

Bid Security in the form of a Certified or Cashier's Check or a Bid Bond in the form required by the Contract Documents is attached to, and made a part of, this Proposal.

IRAN DIVESTMENT ACT CERTIFICATION

Contractor to submit with the bid, Iran Divestment Act Certification which hereto is made a part of this Form of Proposal and is attached at the end of this Form of Proposal.

EXECUTIVE ORDER NO. 16- PROHIBITING STATE AGENCIES AND AUTHORITIES FROM CONTRACTING WITH BUSINESSES CONDUCTION BUSINESS IN RUSSIA

Contractor to submit with the bid, Certification under Executive Order No. 16: prohibiting State Agencies and Authorities from Contracting with Businesses Conducting Business in Russia, which hereto is made a part of this Form of Proposal and is attached at the end of this Form of Proposal.

REPRESENTATIONS

By submitting this Proposal, the Bidder represents and certifies to the Owner and the Architect that:

1. It has examined the Contract Documents, the site of the proposed Work, is familiar with the local conditions at the place where the Work is to be performed and fully comprehends the requirements and intent of the plans and specifications for this Project in accordance with the drawings, specifications and other Contract Documents prepared by CPL, the Owners Consultant, for this Project.
2. It has examined and reviewed, where applicable, all information and data in the Contract Documents related to existing underground facilities at or contiguous to the site. Bidder shall require of the Owner or Architect no further investigations, explorations, tests or reports with respect to such underground facilities in order for the Bidder to perform the Work of the Proposal within the Contract Time and in accordance with the Contract Documents.
3. It has given notice to the Architect, as required by the Contract Documents of any and all discrepancies it has discovered and accepts the resolution of those discrepancies offered by the Architect.
4. Pursuant to New York State General Municipal Law section 103-d, by submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of knowledge and belief:
 - a. The prices in this bid have been arrived at independently without collusion, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
 - b. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not be knowingly disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or competitor; and
 - c. No attempt has been made or will be made by bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.
5. The proposal is based upon the materials, equipment and systems required by the Contract Documents, without exception, unless otherwise set forth in this Proposal in detail.

CHANGE ORDERS

We propose and agree that the above lump sum shall be adjusted for changes in the Contract Work not included in unit prices by addition of the following costs:

1. Profit and overhead as permitted in the GENERAL CONDITIONS.

NON-COLLUSIVE BIDDING CERTIFICATION

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of knowledge and belief:

1. The prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
2. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor; and
3. No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

ACCEPTANCE

When this Proposal is accepted, the undersigned agrees to enter into a Contract with the Owner as provided in the Form of Agreement.

AFFIRMS

The undersigned affirms and agrees that this Proposal is a firm one which remains in effect and will be irrevocable for a period of forty-five (45) days after opening of Bids.

TYPE OF BUSINESS

The undersigned hereby represents that it is a [] Corporation, [] Partnership, [] Individual. If a Corporation, then the undersigned further represents that it is duly qualified as a Corporation under the laws of New York State and it is authorized to do business in this State.

PLACE OF BUSINESS

The following is the name and address of the person to whom all notices required in connection with this Proposal may be telephoned, mailed, or delivered.

Name of Contact Person:	
Name of Business or Firm:	
Address:	
Address:	
Telephone:	Fax:
Email Address:	
FEIN: Federal Employer Identification No.:	

EXECUTION OF CONTRACT

When written Notice of Acceptance of the Proposal is mailed or delivered to the undersigned within forty-five (45) days after the opening of Bids, or anytime thereafter should the Proposal not be withdrawn, the undersigned, within ten (10) days, will execute the Form of Agreement with the Owner.

ASBESTOS

The bidder certifies that no asbestos or asbestos-containing materials will be incorporated into the Work of this Contract.

AUTHORIZED SIGNATURES FOR PROPOSALS

Signature:	
Name:	
	<i>(Typed or Printed)</i>
Title:	
Firm:	
	<i>(Legal Name of Person, Single Proprietorship, Partnership, or Corporation)</i>
Date:	

(if Corporation, provide seal above)

IRAN DIVESTMENT ACT CERTIFICATION

By submission of this bid, (DL & AV Equip 1315), or by assuming the responsibility of a Contract awarded hereunder, each bidder and each person signing on behalf of any bidders, certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief:

That each bidder/contractor/assignee is not on the "Entities Determined To Be Non-Responsive Bidders/Offerers Pursuant to The New York State Iran Divestment Act of 2012" list created pursuant to paragraph (b) subdivision 3 of section 165-a of the New York State Finance Law and posted on the OGS website at www.ogs.ny.gov/about/regs/docs/ListofEntities.pdf and further certifies that it will not utilize on such Contract any subcontractor that is identified on the Prohibited Entities List. Additionally, Bidder/Contractor is advised that should it seek to renew or extend a Contract awarded in response to the solicitation, it must provide the same certification at the time the Contract is renewed or extended. (See Article 10 in the Instructions to Bidders.)

NAME OF COMPANY: _____

(Individual or Legal Name of Firm or Corporation)

MAILING ADDRESS: _____

CITY/STATE/ZIP CODE: _____

BY: _____

(Signature of Representative of Firm or Corporation)

NAME: _____ TITLE: _____

Please Print

Please Print

DATED: _____

SWORN to before me this

_____ day of _____ 20 ____

Notary Public: _____

SEXUAL HARASSMENT POLICY/TRAINING AFFIRMATION

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that the bidder has and has implemented a written policy addressing sexual harassment prevention in the workplace and provides annual sexual harassment prevention training to all its employees.

Contractor Information:

Name of Contractor: _____

Address: _____

Phone Number: _____ Fax Number: _____

Email Address: _____

Contractor Website: _____

(Signature of Contractor) (Title) (Date)

CERTIFICATION UNDER EXECUTIVE ORDER NO. 16

Executive Order No 16 provides that "all Affected State Entities are directed to refrain from entering into any new contract or renewing any existing contract with an entity conducting business operations in Russia."

The Executive Order remains in effect while sanctions imposed by the federal government are in effect. Accordingly, vendors who may be excluded from award because of current business operations in Russia are nevertheless encouraged to respond to solicitations to preserve their contracting opportunities in case the sanctions are lifted during a solicitations or even award in the case of some solicitations.

As defined in Executive Order No. 6, an "entity conducting business operations in Russia" means an institution or company, wherever located, conducting any commercial activity in Russia or transacting business with the Russian Government or with commercial entities headquartered in Russia or with their principal place of business in Russia in the form of contracting, sales, purchasing, investment, or any business partnership.

Is Vendor an entity conducting business operations in Russia, as defined above? Please answer by checking one of the following.

- 1. No, Vendor does not conduct business operations in Russia within the meaning of Executive Order No. 16.
- 2.a. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16 but has taken steps to wind down business operations in Russia or is in the process of winding down business operations in Russia. (Please provide a detailed description of the wind down process and a schedule for completion.)
- 2.b. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16 but only to the extent necessary to provide vital health and safety services within Russia or to comply with federal law, regulations, executive orders, or directives. (Please provide a detailed description of the services being provided or the relevant laws, regulations, etc.)
- 3. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16.

The undersigned certifies under penalties of perjury that they are knowledgeable about the Vendor's business and operations and that the answer provided herein is true to the best of their knowledge and belief.

Vendor Name: _____
(legal entity)

By: _____
(signature)

Name: _____

Title: _____

Date: _____

END OF SECTION

**SECTION 004002
FORM OF PROPOSAL - MECHANICAL CONSTRUCTION**

DATED: _____

Bid from: Name: _____
Address: _____

Phone No.: _____
Fax No.: _____

Bid to: South Orangetown Central School District
160 Van Wyck Rd.
Blauvelt, NY 10913

Bid for: 2022 BOND - PHASE 2
[] MECHANICAL (HVAC) WORK (MC)

BASE BID

We have examined and fully understand the requirements and intent of the Bidding and Contract Documents and all subsequent addenda as listed below, and propose to provide all materials, plant, labor, supplies, equipment, transportation and other facilities necessary, or proper for, or incidental to the Work, to complete all Work in strict accord with the Contract Documents and as assigned in the Multiple Contract Summary for the base bid lump sum of:

Total Lump Sum Base Bid (in numbers): \$ _____

Total Lump Sum Base Bid (in words): _____

ADDENDA RECEIVED

Any addenda issued by the Architect, mailed or delivered, to the undersigned prior to the Bid opening date shall become part of the Contract Documents. The Bidder shall enter on this list any addenda issued after this Form of Proposal has been received and shall fill in the addenda number and date.

Addendum No.: _____ Dated: _____
Addendum No.: _____ Dated: _____
Addendum No.: _____ Dated: _____
Addendum No.: _____ Dated: _____
Addendum No.: _____ Dated: _____

BID GUARANTEE

The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within ten (10) days after a written Notice of Award, if offered within forty-five (45) days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5 %) of the Base Bid.

In the event Owner does not offer Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

TIME OF COMPLETION

It is agreed by the undersigned that after receipt of a Notice of Award and a consummation of a Contract Agreement in accord with the terms of the Contract Documents, he or she will start work within ten (10) consecutive calendar days of the notice to proceed and fully complete the work as indicated in the Contract Documents.

ALLOWANCES

The Bidder acknowledges that all Allowances, pursuant to their Contract, have been included in the Base Bid. Should the following allowance(s) exceed ,or be less than, the cost of selected items, the difference in cost shall be added to, or credited to, the Owner's Contract. Refer to Specification Section 012100 "Allowances" for description of each allowance.

Mechanical CONSTRUCTION; MC-1 Allowance Amount: \$155,000

ALTERNATE BIDS

Enter a whole dollar amount, even if it is zero (\$ 0), for each Alternate Bid. Circle either "ADD to" or "DEDUCT from" for each Alternate Bid. If neither is circled, "DEDUCT from" will be assumed. Do not leave any Alternate Bid amount blank. If any Alternate Bid amount is left blank, it will be assumed the Bidder will provide that Alternate Bid for no change, neither increase to nor decrease from, the Base Bid amount.

Alternate Bid No. ; MC-01: CONSTRUCTION YEAR PHASING

ADD to | DEDUCT from the base bid a total sum of:
(in numbers) \$ _____
(in words) _____

Alternate Bid No. ; MC-02: PIPE REMOVAL IN TUNNELS

ADD to | DEDUCT from the base bid a total sum of:
(in numbers) \$ _____
(in words) _____

UNIT PRICES

Enter in unit prices from spec section 012200. (Unit prices are used in anticipation that there will be additional quantities of materials and labor not expressly indicated on the contract documents.)

- Unit Price No. MC-1: Ceiling Tile
\$ _____ per 4 square feet
- Unit Price No. MC-2: Labor Rate
\$ _____ per hour straight time

BID SECURITY

Bid Security in the form of a Certified or Cashier's Check or a Bid Bond in the form required by the Contract Documents is attached to, and made a part of, this Proposal.

IRAN DIVESTMENT ACT CERTIFICATION

Contractor to submit with the bid, Iran Divestment Act Certification which hereto is made a part of this Form of Proposal and is attached at the end of this Form of Proposal.

EXECUTIVE ORDER NO. 16- PROHIBITING STATE AGENCIES AND AUTHORITIES FROM CONTRACTING WITH BUSINESSES CONDUCTION BUSINESS IN RUSSIA

Contractor to submit with the bid, Certification under Executive Order No. 16: prohibiting State Agencies and Authorities from Contracting with Businesses Conducting Business in Russia, which hereto is made a part of this Form of Proposal and is attached at the end of this Form of Proposal.

REPRESENTATIONS

By submitting this Proposal, the Bidder represents and certifies to the Owner and the Architect that:

1. It has examined the Contract Documents, the site of the proposed Work, is familiar with the local conditions at the place where the Work is to be performed and fully comprehends the requirements and intent of the plans and specifications for this Project in accordance with the drawings, specifications and other Contract Documents prepared by CPL, the Owners Consultant, for this Project.
2. It has examined and reviewed, where applicable, all information and data in the Contract Documents related to existing underground facilities at or contiguous to the site. Bidder shall require of the Owner or Architect no further investigations, explorations, tests or reports with respect to such underground facilities in order for the Bidder to perform the Work of the Proposal within the Contract Time and in accordance with the Contract Documents.
3. It has given notice to the Architect, as required by the Contract Documents of any and all discrepancies it has discovered and accepts the resolution of those discrepancies offered by the Architect.
4. Pursuant to New York State General Municipal Law section 103-d, by submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of knowledge and belief:
 - a. The prices in this bid have been arrived at independently without collusion, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
 - b. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not be knowingly disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or competitor; and
 - c. No attempt has been made or will be made by bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.
5. The proposal is based upon the materials, equipment and systems required by the Contract Documents, without exception, unless otherwise set forth in this Proposal in detail.

CHANGE ORDERS

We propose and agree that the above lump sum shall be adjusted for changes in the Contract Work not included in unit prices by addition of the following costs:

1. Profit and overhead as permitted in the GENERAL CONDITIONS.

NON-COLLUSIVE BIDDING CERTIFICATION

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of knowledge and belief:

1. The prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
2. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor; and
3. No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

ACCEPTANCE

When this Proposal is accepted, the undersigned agrees to enter into a Contract with the Owner as provided in the Form of Agreement.

AFFIRMS

The undersigned affirms and agrees that this Proposal is a firm one which remains in effect and will be irrevocable for a period of forty-five (45) days after opening of Bids.

TYPE OF BUSINESS

The undersigned hereby represents that it is a [] Corporation, [] Partnership, [] Individual. If a Corporation, then the undersigned further represents that it is duly qualified as a Corporation under the laws of New York State and it is authorized to do business in this State.

PLACE OF BUSINESS

The following is the name and address of the person to whom all notices required in connection with this Proposal may be telephoned, mailed, or delivered.

Name of Contact Person:	
Name of Business or Firm:	
Address:	
Address:	
Telephone:	Fax:
Email Address:	
FEIN: Federal Employer Identification No.:	

EXECUTION OF CONTRACT

When written Notice of Acceptance of the Proposal is mailed or delivered to the undersigned within forty-five (45) days after the opening of Bids, or anytime thereafter should the Proposal not be withdrawn, the undersigned, within ten (10) days, will execute the Form of Agreement with the Owner.

ASBESTOS

The bidder certifies that no asbestos or asbestos-containing materials will be incorporated into the Work of this Contract.

AUTHORIZED SIGNATURES FOR PROPOSALS

Signature:	
Name:	
	<i>(Typed or Printed)</i>
Title:	
Firm:	
	<i>(Legal Name of Person, Single Proprietorship, Partnership, or Corporation)</i>
Date:	

(if Corporation, provide seal above)

IRAN DIVESTMENT ACT CERTIFICATION

By submission of this bid, (DL & AV Equip 1315), or by assuming the responsibility of a Contract awarded hereunder, each bidder and each person signing on behalf of any bidders, certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief:

That each bidder/contractor/assignee is not on the "Entities Determined To Be Non-Responsive Bidders/Offerers Pursuant to The New York State Iran Divestment Act of 2012" list created pursuant to paragraph (b) subdivision 3 of section 165-a of the New York State Finance Law and posted on the OGS website at www.ogs.ny.gov/about/regs/docs/ListofEntities.pdf and further certifies that it will not utilize on such Contract any subcontractor that is identified on the Prohibited Entities List. Additionally, Bidder/Contractor is advised that should it seek to renew or extend a Contract awarded in response to the solicitation, it must provide the same certification at the time the Contract is renewed or extended. (See Article 10 in the Instructions to Bidders.)

NAME OF COMPANY: _____
(Individual or Legal Name of Firm or Corporation)

MAILING ADDRESS: _____

CITY/STATE/ZIP CODE: _____

BY: _____
(Signature of Representative of Firm or Corporation)

NAME: _____ TITLE: _____
Please Print *Please Print*

DATED: _____

SWORN to before me this
_____ day of _____ 20 ____

Notary Public: _____

SEXUAL HARASSMENT POLICY/TRAINING AFFIRMATION

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that the bidder has and has implemented a written policy addressing sexual harassment prevention in the workplace and provides annual sexual harassment prevention training to all its employees.

Contractor Information:

Name of Contractor: _____

Address: _____

Phone Number: _____ Fax Number: _____

Email Address: _____

Contractor Website: _____

(Signature of Contractor)

(Title)

(Date)

CERTIFICATION UNDER EXECUTIVE ORDER NO. 16

Executive Order No 16 provides that "all Affected State Entities are directed to refrain from entering into any new contract or renewing any existing contract with an entity conducting business operations in Russia."

The Executive Order remains in effect while sanctions imposed by the federal government are in effect. Accordingly, vendors who may be excluded from award because of current business operations in Russia are nevertheless encouraged to respond to solicitations to preserve their contracting opportunities in case the sanctions are lifted during a solicitations or even award in the case of some solicitations.

As defined in Executive Order No. 6, an "entity conducting business operations in Russia" means an institution or company, wherever located, conducting any commercial activity in Russia or transacting business with the Russian Government or with commercial entities headquartered in Russia or with their principal place of business in Russia in the form of contracting, sales, purchasing, investment, or any business partnership.

Is Vendor an entity conducting business operations in Russia, as defined above? Please answer by checking one of the following.

- _____ 1. No, Vendor does not conduct business operations in Russia within the meaning of Executive Order No. 16.
- _____ 2.a. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16 but has taken steps to wind down business operations in Russia or is in the process of winding down business operations in Russia. (Please provide a detailed description of the wind down process and a schedule for completion.)
- _____ 2.b. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16 but only to the extent necessary to provide vital health and safety services within Russia or to comply with federal law, regulations, executive orders, or directives. (Please provide a detailed description of the services being provided or the relevant laws, regulations, etc.)
- _____ 3. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16.

The undersigned certifies under penalties of perjury that they are knowledgeable about the Vendor's business and operations and that the answer provided herein is true to the best of their knowledge and belief.

Vendor Name: _____

(legal entity)

By: _____

(signature)

Name: _____

Title: _____

Date: _____

END OF SECTION

**SECTION 004004
FORM OF PROPOSAL - ELECTRICAL CONSTRUCTION**

DATED: _____

Bid from: Name: _____
Address: _____

Phone No.: _____
Fax No.: _____

Bid to: South Orangetown Central School District
160 Van Wyck Rd.
Blauvelt, NY 10913

Bid for: 2022 BOND - PHASE 2
[] ELECTRICAL WORK (EC)

BASE BID

We have examined and fully understand the requirements and intent of the Bidding and Contract Documents and all subsequent addenda as listed below, and propose to provide all materials, plant, labor, supplies, equipment, transportation and other facilities necessary ,or proper for, or incidental to the Work, to complete all Work in strict accord with the Contract Documents and as assigned in the Multiple Contract Summary for the base bid lump sum of:

Total Lump Sum Base Bid (in numbers): \$ _____

Total Lump Sum Base Bid (in words): _____

ADDENDA RECEIVED

Any addenda issued by the Architect, mailed or delivered, to the undersigned prior to the Bid opening date shall become part of the Contract Documents. The Bidder shall enter on this list any addenda issued after this Form of Proposal has been received and shall fill in the addenda number and date.

Addendum No.: _____ Dated: _____
Addendum No.: _____ Dated: _____
Addendum No.: _____ Dated: _____
Addendum No.: _____ Dated: _____
Addendum No.: _____ Dated: _____

BID GUARANTEE

The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within ten (10) days after a written Notice of Award, if offered within forty-five (45) days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5 %) of the Base Bid.

In the event Owner does not offer Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

TIME OF COMPLETION

It is agreed by the undersigned that after receipt of a Notice of Award and a consummation of a Contract Agreement in accord with the terms of the Contract Documents, he or she will start work within ten (10) consecutive calendar days of the notice to proceed and fully complete the work as indicated in the Contract Documents.

ALLOWANCES

The Bidder acknowledges that all Allowances, pursuant to their Contract, have been included in the Base Bid. Should the following allowance(s) exceed ,or be less than, the cost of selected items, the difference in cost shall be added to, or credited to, the Owner's Contract. Refer to Specification Section 012100 "Allowances" for description of each allowance.

Electrical CONSTRUCTION; EC-1 Allowance Amount: \$100,000

ALTERNATE BIDS

Enter a whole dollar amount, even if it is zero (\$ 0), for each Alternate Bid. Circle either "ADD to" or "DEDUCT from" for each Alternate Bid. If neither is circled, "DEDUCT from" will be assumed. Do not leave any Alternate Bid amount blank. If any Alternate Bid amount is left blank, it will be assumed the Bidder will provide that Alternate Bid for no change, neither increase to nor decrease from, the Base Bid amount.

Alternate Bid No. ; EC-01: CONSTRUCTION YEAR PHASING

ADD to | DEDUCT from the base bid a total sum of:
(in numbers) \$ _____
(in words) _____

UNIT PRICES

Enter in unit prices from spec section 012200. (Unit prices are used in anticipation that there will be additional quantities of materials and labor not expressly indicated on the contract documents.)

- 1. Unit Price No. EC-1: Ceiling Tile
\$ _____ per 4 square feet
- 2. Unit Price No. EC-2: Labor Rate
\$ _____ per hour straight time
- 3. Unit Price No. EC-3: CAT 6 Cable (1-100 LF)
\$ _____ per unit
- 4. Unit Price No. EC-4: CAT 6 Cable (101-200 LF)
\$ _____ per unit
- 5. Unit Price No. EC-5: CAT 6 Cable (201-300 LF)
\$ _____ per unit

BID SECURITY

Bid Security in the form of a Certified or Cashier's Check or a Bid Bond in the form required by the Contract Documents is attached to, and made a part of, this Proposal.

IRAN DIVESTMENT ACT CERTIFICATION

Contractor to submit with the bid, Iran Divestment Act Certification which hereto is made a part of this Form of Proposal and is attached at the end of this Form of Proposal.

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REPRESENTATIONS

By submitting this Proposal, the Bidder represents and certifies to the Owner and the Architect that:

1. It has examined the Contract Documents, the site of the proposed Work, is familiar with the local conditions at the place where the Work is to be performed and fully comprehends the requirements and intent of the plans and specifications for this Project in accordance with the drawings, specifications and other Contract Documents prepared by CPL, the Owners Consultant, for this Project.
2. It has examined and reviewed, where applicable, all information and data in the Contract Documents related to existing underground facilities at or contiguous to the site. Bidder shall require of the Owner or Architect no further investigations, explorations, tests or reports with respect to such underground facilities in order for the Bidder to perform the Work of the Proposal within the Contract Time and in accordance with the Contract Documents.
3. It has given notice to the Architect, as required by the Contract Documents of any and all discrepancies it has discovered and accepts the resolution of those discrepancies offered by the Architect.
4. Pursuant to New York State General Municipal Law section 103-d, by submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of knowledge and belief:
 - a. The prices in this bid have been arrived at independently without collusion, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
 - b. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not be knowingly disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or competitor; and
 - c. No attempt has been made or will be made by bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.
5. The proposal is based upon the materials, equipment and systems required by the Contract Documents, without exception, unless otherwise set forth in this Proposal in detail.

CHANGE ORDERS

We propose and agree that the above lump sum shall be adjusted for changes in the Contract Work not included in unit prices by addition of the following costs:

1. Profit and overhead as permitted in the GENERAL CONDITIONS.

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When this Proposal is accepted, the undersigned agrees to enter into a Contract with the Owner as provided in the Form of Agreement.

AFFIRMS

The undersigned affirms and agrees that this Proposal is a firm one which remains in effect and will be irrevocable for a period of forty-five (45) days after opening of Bids.

TYPE OF BUSINESS

The undersigned hereby represents that it is a [] Corporation, [] Partnership, [] Individual. If a Corporation, then the undersigned further represents that it is duly qualified as a Corporation under the laws of New York State and it is authorized to do business in this State.

PLACE OF BUSINESS

The following is the name and address of the person to whom all notices required in connection with this Proposal may be telephoned, mailed, or delivered.

Name of Contact Person:	
Name of Business or Firm:	
Address:	
Address:	
Telephone:	Fax:
Email Address:	
FEIN: Federal Employer Identification No.:	

EXECUTION OF CONTRACT

When written Notice of Acceptance of the Proposal is mailed or delivered to the undersigned within forty-five (45) days after the opening of Bids, or anytime thereafter should the Proposal not be withdrawn, the undersigned, within ten (10) days, will execute the Form of Agreement with the Owner.

ASBESTOS

The bidder certifies that no asbestos or asbestos-containing materials will be incorporated into the Work of this Contract.

AUTHORIZED SIGNATURES FOR PROPOSALS

Signature:	
Name:	
	<i>(Typed or Printed)</i>
Title:	
Firm:	
	<i>(Legal Name of Person, Single Proprietorship, Partnership, or Corporation)</i>
Date:	

(if Corporation, provide seal above)

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That each bidder/contractor/assignee is not on the "Entities Determined To Be Non-Responsive Bidders/Offerers Pursuant to The New York State Iran Divestment Act of 2012" list created pursuant to paragraph (b) subdivision 3 of section 165-a of the New York State Finance Law and posted on the OGS website at www.ogs.ny.gov/about/regs/docs/ListofEntities.pdf and further certifies that it will not utilize on such Contract any subcontractor that is identified on the Prohibited Entities List. Additionally, Bidder/Contractor is advised that should it seek to renew or extend a Contract awarded in response to the solicitation, it must provide the same certification at the time the Contract is renewed or extended. (See Article 10 in the Instructions to Bidders.)

NAME OF COMPANY: _____
(Individual or Legal Name of Firm or Corporation)

MAILING ADDRESS: _____

CITY/STATE/ZIP CODE: _____

BY: _____
(Signature of Representative of Firm or Corporation)

NAME: _____ TITLE: _____
Please Print *Please Print*

DATED: _____

SWORN to before me this
_____ day of _____ 20 ____

Notary Public: _____

SEXUAL HARASSMENT POLICY/TRAINING AFFIRMATION

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that the bidder has and has implemented a written policy addressing sexual harassment prevention in the workplace and provides annual sexual harassment prevention training to all its employees.

Contractor Information:

Name of Contractor: _____

Address: _____

Phone Number: _____ Fax Number: _____

Email Address: _____

Contractor Website: _____

(Signature of Contractor)

(Title)

(Date)

CERTIFICATION UNDER EXECUTIVE ORDER NO. 16

Executive Order No 16 provides that "all Affected State Entities are directed to refrain from entering into any new contract or renewing any existing contract with an entity conducting business operations in Russia."

The Executive Order remains in effect while sanctions imposed by the federal government are in effect. Accordingly, vendors who may be excluded from award because of current business operations in Russia are nevertheless encouraged to respond to solicitations to preserve their contracting opportunities in case the sanctions are lifted during a solicitations or even award in the case of some solicitations.

As defined in Executive Order No. 6, an "entity conducting business operations in Russia" means an institution or company, wherever located, conducting any commercial activity in Russia or transacting business with the Russian Government or with commercial entities headquartered in Russia or with their principal place of business in Russia in the form of contracting, sales, purchasing, investment, or any business partnership.

Is Vendor an entity conducting business operations in Russia, as defined above? Please answer by checking one of the following.

- _____ 1. No, Vendor does not conduct business operations in Russia within the meaning of Executive Order No. 16.
- _____ 2.a. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16 but has taken steps to wind down business operations in Russia or is in the process of winding down business operations in Russia. (Please provide a detailed description of the wind down process and a schedule for completion.)
- _____ 2.b. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16 but only to the extent necessary to provide vital health and safety services within Russia or to comply with federal law, regulations, executive orders, or directives. (Please provide a detailed description of the services being provided or the relevant laws, regulations, etc.)
- _____ 3. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16.

The undersigned certifies under penalties of perjury that they are knowledgeable about the Vendor's business and operations and that the answer provided herein is true to the best of their knowledge and belief.

Vendor Name: _____

(legal entity)

By: _____

(signature)

Name: _____

Title: _____

Date: _____

END OF SECTION

SECTION 01 1200
MULTIPLE CONTRACT SUMMARY

PART 1 GENERAL

1.01 SUMMARY

- A. This Section includes a summary of each contract, including responsibilities for coordination and temporary facilities and controls.
- B. Specific requirements of each contract are also indicated in individual Specification Sections and on Drawings.
- C. Related Sections include the following:
 - 1. Division 01 Section "Summary" for the Work covered by the Contract Documents, restrictions on use of the premises, Owner-occupancy requirements, and work restrictions.
 - 2. Division 01 Section "Project Management and Coordination" for general coordination requirements.
 - 3. Division 01 Section "Temporary Facilities and Controls" for specific requirements for temporary facilities and controls.

1.02 DEFINITIONS

- A. Permanent Enclosure: As determined by Architect, permanent or temporary roofing is complete, insulated, and weathertight; exterior walls are insulated and weathertight; and all openings are closed with permanent construction or substantial temporary closures.

1.03 PROJECT COORDINATOR

- A. Project Coordinator shall be responsible for coordination between the General Construction Contract, Plumbing Contract, Mechanical Contract, and Electrical Contract, Abatement Contract, Casework Contract
 - 1. Construction Manager shall act as Project Coordinator.

1.04 GENERAL REQUIREMENTS OF CONTRACTS

- A. Extent of Contract: Unless the Agreement contains a more specific description of the Work, names and terminology on Drawings and in Specification Sections determine which contract includes a specific element of 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. This project requires all contractors to work a SIX-day week, Monday through Saturday.
 - 3. Return upon request, all ID badges issued by SOCSO
 - 4. Local custom and trade-union jurisdictional settlements do not control the scope of the Work of each contract. When a potential jurisdictional dispute or similar interruption of work is first identified or threatened, affected contractors shall negotiate a reasonable settlement to avoid or minimize interruption and delays.
 - 5. All contractors are responsible for the removal and reinstallation of ceilings where work must be installed above a ceiling not scheduled for removal.
 - 6. Concrete floor cutting and removal is the work of the General Construction Contractor. Trenching and backfill for the Work of each contract shall be provided by each contract for its own Work unless otherwise called out.
 - 7. Cutting and Patching: Provided by each contract for its own Work, unless otherwise called out. Concrete floor patching is the work of the General Construction Contractor.
 - 8. Through-penetration firestopping for the Work of each contract shall be provided by each contract for its own Work.

9. Roof-mounted equipment curbs shall be provided by each contract for its own work. The General Construction Contract shall install.
 10. Within five working days after preliminary horizontal bar-chart-type construction schedule submittal has been received from Project Coordinator, submit a matching preliminary horizontal bar-chart schedule showing construction operations sequenced and coordinated with overall construction.
 11. Project closeout requirements.
 12. Each Contractor shall review the facility asbestos report to become familiar with any materials that may contain asbestos. If the contractor encounters materials that have not been tested for asbestos, he shall cease work and contact the Palombo Group, Inc. The Contractor will be held responsible for clean-up costs if they continue to remove materials that have not been tested for asbestos.
 13. The Owner has implemented an employee verification program. All contractors are required to submit a photo along with the name and address of each employee that will work on district property at least 3 days prior to commencing work.
- B. Substitutions: Each contractor shall cooperate with other contractors involved to coordinate approved substitutions with remainder of the Work.
1. The Project Coordinator shall coordinate substitutions.
- C. Temporary Facilities and Controls: In addition to specific responsibilities for temporary facilities and controls indicated in this Section and in Division 01 Section "Temporary Facilities and Controls," each contractor is responsible for the following:
1. Installation, operation, maintenance, and removal of each temporary facility usually considered as its own normal construction activity, and costs and use charges associated with each facility.
 2. Plug-in electric power cords and extension cords, supplementary plug-in task lighting, and special lighting necessary exclusively for its own activities.
 3. Its own field office, complete with necessary furniture, utilities, and telephone service.
 4. Its own storage and fabrication sheds.
 5. Its own dust protection to control dust where dust partitions are not scheduled or shown on the drawings but are necessary to protect the building from dust contamination.
 6. Temporary enclosures for its own construction activities.
 7. Staging and scaffolding for its own construction activities.
 8. General hoisting facilities for its own construction activities, up to 2 tons.
 9. Waste disposal, including collection and legal disposal of its own hazardous, dangerous, unsanitary, or other harmful waste materials.
 10. Daily Progress Cleaning of its own areas and dust/debris daily. This includes daily sweeping.
 11. Secure lockup of its own tools, materials, and equipment.
 12. Construction aids and miscellaneous services and facilities necessary exclusively for its own construction activities.
 13. Temporary heat to protect to install and protect the work is place where scheduled temporary heat is not in place or not called for in the contract documents.
 14. Provide temporary electric generators where scheduled permanent power or temporary power is not in place.
- D. Temporary Heating, Cooling, and Ventilation: The General Construction Contract is responsible for temporary heating, cooling, and ventilation, including utility-use charges, temporary meters, and temporary connections.
- E. Temporary ventilation: Each Contractor is to control fumes from construction operations including interior painting and "off gassing" of new finish materials.

1.05 GENERAL CONSTRUCTION CONTRACT

- A. Work in the General Construction Contract includes, but is not limited to, the following:
1. Remaining work not identified as work under other contracts.
 2. Site preparation, including clearing, building demolition and relocations, and earthwork. This includes excavation backfill and compaction for structures.
 3. Site improvements, including roadways, parking lots, pedestrian paving, seeding, and landscaping.
Provide coordination drawings for approval prior to the commencement of work.
 4. Foundations, including footings, foundation and retaining walls for Site related components. All concrete walks, ramps, stairs including earthwork.
 5. Selective demolition as shown on the drawings.
 6. Shoring bracing and underpinning related to the General Construction work.
 7. Slabs-on-grade, including earthwork, subdrainage systems, and insulation.
 8. Below-grade building construction, including excavation, backfill, and thermal and moisture protection.
 9. Access Panels, submit, furnish, install
 10. Roofing, including blocking, insulation, coverings, portals, and flashings.
 11. Interior construction, including partitions, doors, hardware, interior glazed openings, and fittings. acoustic ceilings, soffits, and ceiling modifications. Provide an additional 15% by area of new acoustic ceiling tile to match.
 12. Exterior construction, including pavilions, walks, ramps, stairs, and railings.
 13. Fire-protection specialties.
 14. Interior finishes, finish carpentry and built-in casework.
 15. One final phased cleaning as requested by the CM includes cleaning, dusting, removing and disposing of minor debris, sweeping & mopping floors, vacuuming of carpets. Upon acceptance, provide dust barriers in phases to protect the cleaned areas.
- B. Temporary facilities and controls in the General Construction Contract include, but are not limited to, the following:
1. Temporary facilities and controls that are not otherwise specifically assigned to the Plumbing Contract, Mechanical Contract or Electrical Contract.
 2. Sediment and erosion control.
 3. Unpiped sewers and drainage, including drainage ditches, dry wells, stabilization ponds, and containers.
 4. Storm water control.
 5. Unpiped temporary toilet fixtures, wash facilities, including disposable supplies.
 6. Temporary enclosure for building exterior, except as indicated.
 7. Temporary roads and paved areas.
 8. Dewatering facilities and drains.
 9. Excavation support and protection, unless required solely for the Work of another contract.
 10. Special or unusual hoisting requirements for construction activities, including hoisting loads in excess of 2 tons, hoisting material or equipment into spaces below grade, and hoisting requirements outside building enclosure.
 11. General waste disposal facilities.
 12. Temporary stairs.
 13. Temporary fire-protection equipment.
 14. Site enclosure fence, barricades, warning signs.
 15. Covered walkways.
 16. Security enclosure and lockup.
 17. Environmental protection.
 18. Restoration of Owner's existing facilities used as temporary facilities.

- C. Work in the General Construction Contract includes, but is not limited to, the work included in each of the following:
1. Division 00 "Procurement and Contracting Requirements" as it pertains to Work of this Contract.
 2. Division 01 "General Requirements" as it pertains to Work of this Contract.
 3. Division 2 "Existing Conditions"
 4. Division 3 "Concrete."
 5. Division 4 "Masonry."
 6. Division 5 "Metals."
 7. Division 6 "Wood, Plastics, and Composites."
 8. Division 7 "Thermal and Moisture Protection"
 9. Division 8 "Openings" Section 083113 "Access Doors and Frames" for furnishing and installing of access doors where required
 10. Division 9 "Finishes,"
 11. Division 10 "Specialties."
 12. Division 11 "Equipment."
 13. Division 12 "Furnishings."
- D. Work in the General Construction Contract includes, but is not limited to, the work included in each of the following Drawings.
1. **All Prefix "G" Drawings**
 2. **All Prefix "C" Drawings**
 3. **All Prefix "S" Drawings**
 4. **All Prefix "A" Drawings**
 5. All references to other drawings from drawings listed above.

1.06 MECHANICAL CONTRACT

- A. Work of the HVAC Contract includes, but is not limited to, the following:
1. Removal and salvage of existing acoustic ceilings in areas outside of GC scope of work. Replacement of salvaged ceiling tiles in affected areas. Provide an additional 10 % by area of new acoustic ceiling tile to match.
 2. Provide coordination drawings for approval prior to the commencement of work.
 3. Demolition of existing systems as shown in the drawings.
 4. Site hydronic distribution.
 5. HVAC systems and equipment.
 6. HVAC instrumentation and controls.
 7. HVAC testing, adjusting, and balancing.
 8. Domestic water supply and distribution.
 9. Piped sanitary sewerage.
 10. Plumbing fixtures and drinking fountains
 11. Plumbing connections to existing systems and temporary facilities and controls furnished by the General Construction Contract.
 12. Access Panels, submit, furnish, install
- B. Work in the Mechanical Contract includes, but is not limited to, the following:
1. Division 00 "Procurement and Contracting Requirements" as it pertains to Work of this Contract.
 2. Division 01 "General Requirements" as it pertains to Work of this Contract.
 3. Section 024119 "Selective Structure Demolition" for shutoff of utilities or removal of equipment and fixtures where indicated.
 4. Section 078413 "Penetration Firestopping."
 5. Section 083113 "Access Doors and Frames" for furnishing and installing access doors where required.

6. Section 099123 "Interior Painting" for painting of pipes and ducts for identification where indicated.
 7. Division 22 "Plumbing"
 8. Division 23 "Heating Ventilating and Air Conditioning"
- C. Construction Contract includes, but is not limited to, the work included in each of the following Drawings.
1. **All Prefix "A" Drawings**
 2. **All Prefix "A" Roof Drawings**
 3. **All Prefix "G" Drawings**
 4. **All Prefix "H" Drawings**
 5. **All Prefix "P" Drawings**

1.07 HAZARDOUS MATERIALS CONTRACT

- A. Work in the Hazardous Materials Contract includes, but is not limited to :
1. Division 00 "Procurement and Contracting Requirements as it pertains to the Work of this contract.
 2. Division 01 "General Requirements" as it pertains to the work of this contract.
 3. Division 02 "Existing Conditions" as it pertains to the work of this contract.
- B. Temporary facilities and controls in the Hazardous Materials contract include, but are not limited to:
1. Temporary hard wall and soft wall barriers required by AHJ. Multiple barriers and containment walls are to be installed and moved per the Phasing Plans at the direction of the CM
- C. Work in the Hazardous Materials Contract includes, but is not limited to the work included in each of the following Drawings:
1. **All Prefix "G" Drawings**
 2. **All Prefix "HZ" Drawings**

1.08 ELECTRICAL CONTRACT

- A. Work in the Electrical Contract includes, but is not limited to, the following:
1. Removal and salvage of existing acoustic ceilings in areas outside of GC scope of work. Reinstall all salvaged tiles upon completion of work.
 2. Demolition of existing systems as shown in the drawings.
 3. Provide coordination drawings for approval prior to the commencement of work.
 4. All Sound and Lockdown work as shown in the drawings.
 5. All power, data, and fire alarm work as shown in the drawings.
 6. Powering all devices and equipment supplied by other Primes requiring power.
- B. Work in the Electrical Contract includes, but is not limited to the following:
1. Division 00 "Procurement and Contracting Requirements" as it pertains to Work of this Contract.
 2. Division 01 "General Requirements" as it pertains to Work of this Contract.
 3. Section 024119 "Selective Structure Demolition" for shutoff of utilities or removal of equipment and fixtures where indicated.
 4. Division 3 "Concrete." as it pertains to Work of this Contract.
 5. Division 9 specifically exterior painting as it pertains to this work.
 6. Division 26 "Electrical."
 7. Division 28 Conductors and Cables for Electronic Safety & Security
 8. Division 33 "Utilities" Sections as pertain to this work.
- C. Temporary facilities and controls in the Electrical Contract include, but are not limited to, the following:
1. Electric power service and distribution.

2. Lighting, including site lighting.
 3. Electrical connections to existing systems and temporary facilities and controls furnished by the General Construction, Mechanical, or Plumbing Contractor(s).
 4. Energizing and de-energizing temporary panels for the Hazardous Materials contractor, as needed.
- D. Work in the Electrical Construction Contract includes, but is not limited to, the work included in each of the following Drawings.
1. **All Prefix "A" Drawings**
 2. **All Prefix "G" Drawings**
 3. **All Prefix "E" Drawings**
 4. **All Prefix "T" Drawings**
- All references to other drawings from drawings listed above.

1.09

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION



**SECTION 012200
UNIT PRICES**

PART 1 GENERAL

1.01 SUMMARY

- A. Section includes administrative and procedural requirements for unit prices.
- B. Related Sections:
 - 1. Division 01 Section "Contract Modification Procedures" for procedures for submitting and handling Change Orders.
 - 2. Division 01 Section "Allowances" for procedures in using Unit Prices with Allowances

1.02 DEFINITIONS

- A. Unit price is a price per unit of measurement for materials, equipment, or services, or a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.

1.03 PROCEDURES

- A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, applicable taxes, overhead, and profit.
- B. Measurement and Payment: Refer to individual Specification Sections indicated in the "Schedule of Unit Prices" for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections.
- C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.
- D. List of Unit Prices: A schedule of unit prices is included in Part 3. Specification Sections referenced in the schedule contain requirements for materials described under each unit price.

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION

3.01 SCHEDULE OF UNIT PRICES

- A. GENERAL CONSTRUCTION
 - 1. Unit Price No. GC-1: Ceiling Tile
 - a. Description: Labor to remove ceiling tile and install new from attic stock, purchased through base bid
 - b. Unit of Measurement: Per (4) square feet of ceiling tile
 - 2. Unit Price No. GC-2: Labor Rate
 - a. Description: Labor rate on site, fully burdened (excludes travel)
 - b. Unit of Measurement: Per Hour Straight Time (Monday - Saturday)
 - 3. Unit Price No. GC-3 : Wall Board Removal
 - a. Description: Demolition and removal of wall boards with non-ACM mastic
 - b. Unit of Measurement: Per Square Foot of Wall Board
- B. HVAC CONSTRUCTION
 - 1. Unit Price No. MC-1: Ceiling Tile
 - a. Description: Labor to remove ceiling tile and install new from attic stock, purchased through base bid
 - b. Unit of Measurement: Per (4) square feet of ceiling tile
 - 2. Unit Price No. MC-2: Labor Rate
 - a. Description: Labor rate on site, fully burdened (excludes travel)
 - b. Unit of Measurement: Per Hour Straight Time (Monday - Saturday)

C. HAZARDOUS MATERIALS ABATEMENT CONSTRUCTION

1. Unit Price No. AC-1: Abatement of Asbestos containing Pipe Fittings
 - a. Description: Inside contained area - Provide all labor, materials and equipment necessary to remove pipe fittings
 - b. Unit of Measurement: Per Fitting
2. Unit Price No. AC-2: Abatement of Asbestos containing Pipe Insulation
 - a. Description: Inside contained area - Provide all labor, materials and equipment necessary to remove linear pipe insulation
 - b. Unit of Measurement: Per Linear Foot
3. Unit Price No. AC-3: Abatement of VAT Flooring
 - a. Description: Inside contained area - Provide all labor, materials and equipment necessary to remove VAT flooring and mastic
 - b. Unit of Measurement: Per Square Foot
4. Unit Price No. AC-4: Abatement of Wall Boards
 - a. Description: Inside contained area - Provide all labor, materials and equipment necessary to remove wall boards with ACM Mastic
 - b. Unit of Measurement: Per Square Foot

D. ELECTRIC CONSTRUCTION

1. Unit Price No. EC-1: Ceiling Tile
 - a. Description: Labor to remove ceiling tile and install new from attic stock, purchased through base bid
 - b. Unit of Measurement: Per (4) square feet of ceiling tile
2. Unit Price No. EC-2: Labor Rate
 - a. Description: Labor rate on site, fully burdened (excludes travel)
 - b. Unit of Measurement: Per Hour Straight Time (Monday - Saturday)
3. Unit Price No. EC-3: CAT 6 cable (1-100 LF)
 - a. Description: Provide and install CAT 6 cable (1-100 LF)
 - b. Unit of Measurement: Each
4. Unit Price No. EC-4: CAT 6 cable (101-200 LF)
 - a. Description: Provide and install CAT 6 cable (101-200 LF)
 - b. Unit of Measurement: Each
5. Unit Price No. EC-5: CAT 6 cable (201-300 LF)
 - a. Description: Provide and install CAT 6 cable (201-300 LF)
 - b. Unit of Measurement: Each

END OF SECTION



SECTION 020800
PROJECT SPECIFICATION FOR ASBESTOS ABATEMENT

Client Contact:

Lisa Fasciglione
CPL
30 Century Hill Drive
Latham, NY 12110

Project Location:

Tappan Zee High School
15 Dutch Hill Road
Orangeburg, NY 10962
(200, 300 & 400 Wings)

Asbestos Abatement Scope of Work:

- ACM VAT/Mastic & Cove Base: approx. 16,120 sq. ft.
- PACM Board/Chalkboard & Glue Dots: approx. 675 sq. ft.

Project Designer(s) Information:

Prepared by: Veronica Kero, CIH, P.E.
USEPA/NYS DOL Project Designer (Cert#: 24-6T6J8-SHAB)
NY-PE License #: 087449-1



Drawing Preparation: Stan Blackman
USEPA/NYS DOL Project Designer (Cert#: 24-6TLAB-SHAB)

Sr. Project Manager: Anton Rezin
USEPA/NYS DOL Project Designer (Cert#: 24-6Z61L-SHAB)

Date Issued: 11/7/2024 Date Revised: 11/18/2024

Table of Contents

Article I. EXECUTIVE SUMMARY4
 Section 1.01 General.....4
 Section 1.02 Primary Contacts.....5
Article II. SUMMARY6
 Section 2.01 Project Description.....6
 Section 2.02 Scope of Work6
 Section 2.03 Table Notes6
 Section 2.04 Filings, Procedures & Regulations.....7
 Section 2.05 Applicable Standards:8
 Section 2.06 Occupant Safety9
 Section 2.07 Scheduling & Labor9
 Section 2.08 Project-Specific Details:9
Article III. UTILITIES HOOK-UP.....11
 Section 3.01 Water Service:.....11
 Section 3.02 Electrical Service:11
Article IV. WASTE REMOVAL.....12
 Section 4.01 Removal & Storage:.....12
 Section 4.02 Transportation & Disposal:12

ATTACHEMENT A: ASBESTOS SURVEY TABLE

ATTACHEMENT B: DRAWINGS

ACM VAT/Mastic Flooring including Cove Base:



Article I. EXECUTIVE SUMMARY

Section 1.01 General

- (a) This Project Specification was prepared by Omega Environmental Services Inc. (Omega) for CPL who shall from this point in the documents be referred to as the Owner's Representative.
- (b) This Project Specification was prepared and developed for specific use in Tappan Zee High School for removal of ACM during the proposed renovation scope of work. Use of this document on any project except as described herein is prohibited unless prior written permission is obtained from Omega.
- (c) No specific warranties or guarantees are made by Omega or its employees, as to the use of any information, product, apparatus, and/or process disclosed herein. Even though every reasonable effort has been employed by Omega personnel to assure that this document is correct, the Abatement Contractor shall bring all discrepancies to the immediate attention of Omega.
- (d) The work described in this document shall comply with the general, supplementary, and other conditions included in the complete set of project documents.
- (e) **Abatement Scope of Work (SOW) explained in this Project Specification is based on previous asbestos survey information provided by Omega Environmental Services, Inc. and the current site condition verification walk-through.**

Section 1.02 Primary Contacts

(a) Contact List

(i) **Owners Representative:**

Name Lisa Fasciglione
Phone # (845) 522-5796
E-mail: LJFasciglione@cplteam.com

(ii) **Omega Representative:**

Name Anton Rezin
Phone # (201) 489-8700
E-mail: Antonr@omega-env.com

Note: Any technical question associated with this project specification should be addressed in writing or email to Anton Rezin.

Article II. SUMMARY

Section 2.01 Project Description

- (a) The Owner is planning a renovation project in the Tappan Zee High School which requires the removal of asbestos containing flooring (VAT) plus associated mastic and cove base, and “PACM” chalkboard glue dots.
- (b) **This project shall be classified as a “large” project below an Educational type facility.**

Section 2.02 Scope of Work

- (a) Abatement Contract base bid work shall include removal of ACM utilizing procedures described in Table below.

Scope of Asbestos Abatement Work:

Abatement Contractor is responsible for verifying that all ACM (exposed and concealed) is removed from the SOW areas.

Table 1: Scope of Work Summary					
Location(s)		Description of ACM Identified	Estimated Removal QTY	Abatement Procedure	Notes
Floor	Area				
200 Wing	Area B, Classrooms 200	VAT/Mastic & Cove Base	820 sq. ft.		
300 Wing	Area C1 – C2, Classrooms 301, 303, 305, 306, 307, 309, 310, 311, 311A & 312	VAT/Mastic & Cove Base	6,350 sq. ft.	<div style="border: 1px solid black; border-radius: 50%; padding: 10px; text-align: center;"> NYSDOL Full Containment Utilizing Chemical Removal Procedures </div>	<div style="border: 1px solid black; border-radius: 50%; padding: 10px; text-align: center;"> (No residual chemical odors permitted) </div>
400 Wing	Area D1 - D2, Classrooms 400, 402 – 410, 412, 415, & 421	VAT/Mastic & Cove Base	8,950 sq. ft.		
* Exact quantities to be verified during the abatement phase(s).					

Table 2: Scope of Work Summary					
Location(s)		Description of ACM Identified	Estimated Removal QTY	Abatement Procedure	Notes
Floor	Area				
200 Wing	Multiple Classrooms	(PACM) Board/Chalkboard & Glue Dots	385 sq. ft.	NYSDOL Non-Friable Tent Procedures	Abatement Contractor to verify exact square feet of Chalkboard & Glue Dots
300 Wing	Multiple Classrooms	(PACM) Board/Chalkboard & Glue Dots	185 sq. ft.		
400 Wing	Multiple Classrooms	(PACM) Board/Chalkboard & Glue Dots	105 sq. ft.		
* Exact quantities to be verified during the abatement phase(s).					

Table Notes

- (b) **Abatement scope of work includes the removal of VAT/mastic/cove base and PACM chalkboard glue in the Tappan Zee High School.**
- (c) Abatement Contractor is responsible for field verification of locations and the quantities of ACM. No change orders for extras shall be approved in the event the Abatement Contractor fails to verify the reported locations and quantities of ACM.
- (d) Building personnel will not have access to the portions of the building in which the work is being performed during the entire asbestos removal operation, including completion of clean-up except for an emergency.
- (e) Two means of emergency egress to remain available at all times during the abatement period. Abatement Contractor to coordinate with Owner/GC for exact egress routes.
- (f) Abatement Contractor will be responsible for all filing fees and variance (*if required*).
- (g) **Abatement Contractor is responsible for the removal of all ACM materials delineated in the asbestos abatement work area(s) and shown on drawings, including any strips of VAT/mastic under partition walls and/or PTEC units to be demolished.**
- (h) Abatement work must be conducted in strict accordance with CPL, abatement, and construction schedules.
- (i) Prior to the start of any prep work, the Owners Licensed Electricians, Plumbers, and other Tradesman shall Lockout/Tag-Out existing systems utilities where disconnects are available outside the work area.
- (j) Abatement Contractor to coordinate with the Owner for the exact AFD exhaust locations to the outside.
- (k) **Abatement work is expected to be scheduled during the Spring 2025 school recess.**
- (l) Separate wings of the building may be partially occupied at the time of abatement, immediate abatement work area's to be vacated.
- (m) **Owner will be responsible for re-locating all contents in the abatement work area prior to the onset of abatement activities, including any bolted down furniture or equipment (disturbance of asbestos floor VAT/mastic not permitted).**
- (n) In the event of a schedule change request (i.e. double shifts, weekend work, holiday work, etc.), both the Owner and Omega must be notified in writing 48 hours prior and approved by the notified parties.
- (o) Abatement Contractor shall not be permitted to traverse adjacent occupied school areas. Routing to be coordinated with the Owner.

Section 2.03 Filings, Procedures & Regulations

- A. This Project falls under New York State jurisdiction, such that all abatement procedures and filings must be performed in accordance with **ICR 56 of Title 12 of the Official Compilation of Codes, Rules, and Regulations of the State of New York (Cited as 12 NYCRR Part 56)**
- (a) **Abatement Contractor shall follow all of the owner's policies and procedures, in addition to OSHA, Local, EPA, and NYSDOL rules/regulations pertaining to asbestos abatement.**
 - (b) Abatement Contractor will be responsible for providing all NYSDOL filing fees. In addition to state filings/notifications, which shall be handled by the Abatement Contractor.
 - (c) All provisions of State of New York Department of Labor, (DOL) Asbestos Regulations Industrial Code Rule 56.
 - (d) U.S. Department of Labor, Occupational Safety and Health Administration, (OSHA):
 - Asbestos Regulations: Title 29, Part 1910, of the Code of Federal Regulations.
 - Respiratory Protection: Title 29, Part 1910, Section 134 of the Code of Federal Regulations.
 - Construction Industry: Title 29, Part 1926, of the Code of Federal Regulations.
Access to Employee Exposure & Medical Records: Title 29, Part 1910, Section 20 of the Code of Federal Regulations.
 - Hazard Communication: Title 29, Part 1910, Section 1200 of the Code of Federal Regulations.
 - Specifications for Accident Prevention Signs and Tags: Title 29, Part 1910, Section 145 of the Code of Federal Regulations.
 - (e) U.S. Environmental Protection Agency (EPA)
 - 40 CFR Part 763
 - 40 CFR Part 61
 - (f) New York State Department of Environmental Conservation (DEC) Regulations regarding waste collection registration. Title 6, Part 364 of the New York State Official Compilation of Codes, Rules, and Regulations – 6NYCRR 364.
 - (g) NYSDOH Title 10 Part 73 – Asbestos Safety Program and Environmental Laboratory Approval Program.

Section 2.04 Applicable Standards:

- A. Applicable standards include, but are not limited to, the following:
- a. Environmental Protection Agency (EPA)
Region II
Air and Hazardous Materials Division
Federal Building, Room 802
26 Federal Plaza
New York, NY 10007
 - b. Occupational Safety & Health Admin. (OSHA)
US Dept. of Labor
1515 Broadway/Room 3445
New York, NY 10036
[asbestos, lead, fall protection, electrical, etc.]

c. State of NY Dept. of Environmental Conservation
Division of Solid Waste Management
50 Wolf Road
Albany, NY 11202

d. NYS Dept. of Labor (DOL)
Asbestos Control Program
One Hudson Square, 75 Varick Street (7th Floor)
New York, NY 10013

e. American National Standards Institute (ANSI)
1430 Broadway
New York, NY 10018

B. The Contractor has the responsibility of informing his/her personnel and the Owner of the requirements of these agencies and shall satisfy completely these specifications and all referenced regulations, and as amended.

Section 2.05 Occupant Safety

- (a) Abatement Contractors shall not generate excess levels of noise, dust, or other nuisance hazards such that occupants cannot perform their normal work routine especially if the space above the work area involves sensitive health care operations. Abatement Contractor shall not damage elevators or other building services such that the spaces cannot be utilized by the occupants. Abatement Contractors shall not damage flooring or other finishes in non-construction areas.
- (b) Neighboring Spaces:
- (i) While the abatement area shall be non-occupied during abatement, adjacent spaces may be partially occupied and operational.

Section 2.06 Scheduling & Labor

- (a) Anticipated project schedule: **TBD** (Spring 2025 or other school break time period).
- (b) The official Start date must be approved by the Owner. The Abatement Contractor shall be responsible for notifying Omega Environmental of the official start date prior to permits being issued.
- (c) All schedules changes must be approved by Owner prior to onset of work.
- (d) Special schedule requirements: **TBD.**
- (e) The asbestos Abatement Contractor should utilize multiple crews such that overtime premium labor rates do not apply.
- (f) Times and shifts will be coordinated during the mandatory pre-bid walkthrough meeting.

Section 2.07 Project-Specific Details:

(a) Abatement Details:

(i) **The following methods should be utilized for ACM removal:**

- **NYSDOL procedures for abatement of interior materials for removal of VAT/Mastic. Chemical removal of ACM mastic shall be conducted in full containment where applicable.**

- **No residual chemical odors permitted at completion of abatement**

- (ii) Abatement Contractor to provide SDS for any/all chemical usage onsite.
- (iii) Abatement area(s) shall be 100% asbestos free for current SOW at completion of abatement project.
- (iv) Abatement Contractor may not block/prop open any fire-rated doors during abatement, as it would cause an unnecessary fire hazard.
- (v) Abatement Contractor to report any cabinetry or furniture blocking of ACM material so that items can be removed by the Owner.
- (vi) Expected decon staging locations(s).

Article III. UTILITIES HOOK-UP

Section 3.01 Water Service:

- (a) **Temporary Water Service Connection:** All connections to the owner's water system shall include backflow prevention. After completion of use connections and fittings shall be removed without damage or alteration to existing water piping and equipment. Leaking fittings/valves shall be repaired and/or replaced as required.
- (b) **Water Hoses:** Use heavy-duty abrasion-resistant hoses with a pressure rating greater than the maximum pressure of the water distribution system to provide water into each work area and to each decon.
- (c) **Water Heater:** Provide UL-rated 40-gallon electric water heaters to supply hot water for the personal decontamination shower. Drip pans shall be at least 6" deep and securely fastened to the water heater.

Section 3.02 Electrical Service:

- (a) **Temporary Power:** Provide service to decon sub-panel with minimum 100 AMP, 2-pole circuit breaker, or fused disconnect connected to the building's main distribution panel. Sub-panel and disconnect shall be sized and equipped to accommodate all electrical equipment required for the completion of work.
- (b) **Temporary Lighting:** Abatement Contractor shall provide adequate lighting to ensure proper workmanship.
- (c) **Ground Fault Protection:** Equip all circuits with ground fault circuit interrupters. Locate panel outside containment.
- (d) **Wiring:** Provide circuits of adequate size and proper characteristics for each use.
- (e) **Extension Cords:** Use only grounded heavy-duty extension cords in single lengths.

Article IV. WASTE REMOVAL

Section 4.01 Removal & Storage:

- (a) **Asbestos Waste Container with Owner/GC approval to be utilized for this project.**
- (b) All routes through the building to be used for transportation of waste shall be protected to avoid contamination and damage. If abatement waste routes utilize elevators, the Abatement Contractor shall be responsible for protection of the elevators during waste bag out and all phases of this project.
- (c) ACM shall be packaged and sealed in leak-proof containers according to the following:
 - (i) The Abatement Contractor shall double-bag all waste material utilizing 6 mil. polyethylene bags which should not be overfilled. Air inside the bags shall be evacuated with the HEPA vacuum. The top of the bags shall be twisted and tied in order to achieve a seal.
 - (ii) Contamination material with sharp edges (metal lather, ductwork, ceiling grid, etc.) shall be cut to size and placed in plastic-lined boxes which are subsequently bagged.
 - (iii) All bags shall be marked with pre-printed labels as prescribed in Section 61.150 of the EPA regulations, OSHA regulations, and DOT regulations.
- (d) All waste shall be transported through the building (in enclosed carts) according to the route specified.
- (e) At no time shall random removal of waste from the work area be allowed;
- (f) No material shall be dropped inside the work area;
- (g) No asbestos waste bags shall be stored on-site. A waste pick-up must be scheduled by the Abatement Contractor at the conclusion of each shift.
- (h) The work site and all access routes shall be cleaned daily by the Abatement Contractor.

Section 4.02 Transportation & Disposal:

- (a) Asbestos container location to be approved by Owner.
- (b) All ACM, ACM-wastes, and plastic, disposable equipment, and supplies shall be disposed of as contaminated waste in accordance with EPA NESHAPS regulations.
- (c) Each asbestos waste bag shall be labeled individually with Generator ID as required which shall be inspected by the Project Monitor.

**SECTION 090561
COMMON WORK RESULTS FOR FLOORING PREPARATION**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. This section applies to floors identified in Contract Documents that are receiving the following types of floor coverings:
 - 1. Resilient tile.
 - 2. Carpet tile.
- B. Removal of existing floor coverings.
- C. Preparation of existing concrete floor slabs for installation of floor coverings.
- D. Testing of concrete floor slabs for moisture and alkalinity (pH).
- E. Remediation of concrete floor slabs due to unsatisfactory moisture or alkalinity (pH) conditions.
 - 1. Contractor shall perform all specified remediation of concrete floor slabs. If such remediation is indicated by testing agency's report and is due to a condition not under Contractor's control or could not have been predicted by examination prior to entering into the contract, a contract modification will be issued.
- F. Patching compound.
- G. Remedial floor coatings.
- H. Remedial floor treatment.

1.02 RELATED REQUIREMENTS

- A. Section 014000 - Quality Requirements: Additional requirements relating to testing agencies and testing.
- B. Section 017419 - Construction Waste Management and Disposal: Handling of existing floor coverings removed.
- C. Division 02 Sections: Asbestos, Lead and PCB remediation procedures.
- D. Section 033000 - Cast-in-Place Concrete: Moisture emission reducing curing and sealing compound for slabs to receive adhered flooring, to prevent moisture content-related flooring failures; to remain in place, not to be removed.

1.03 REFERENCE STANDARDS

- A. ASTM C109/C109M - Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50-mm) Cube Specimens); 2020b.
- B. ASTM C472 - Standard Test Methods for Physical Testing of Gypsum, Gypsum Plasters and Gypsum Concrete; 2020.
- C. ASTM D4259 - Standard Practice for Preparation of Concrete by Abrasion Prior to Coating Application; 2018.
- D. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring; 2019, with Editorial Revision (2020).
- E. ASTM F1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride; 2016a.
- F. ASTM F2170 - Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes; 2019a.
- G. RFCI (RWP) - Recommended Work Practices for Removal of Resilient Floor Coverings; 2011.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate scheduling of cleaning and testing, so that preliminary cleaning has been completed for at least 24 hours prior to testing.

1.05 SUBMITTALS

- A. See Section 013300 - Submittal Procedures, for submittal procedures.
- B. Visual Observation Report: For existing floor coverings to be removed.
- C. Floor Covering and Adhesive Manufacturers' Product Literature: For each specific combination of substrate, floor covering, and adhesive to be used; showing:
 - 1. Moisture and alkalinity (pH) limits and test methods.
 - 2. Manufacturer's required bond/compatibility test procedure.
- D. Remedial Materials Product Data: Manufacturer's published data on each product to be used for remediation.
 - 1. Manufacturer's qualification statement.
 - 2. Certificate: Manufacturer's certification of compatibility with types of flooring applied over remedial product.
 - 3. Test reports indicating compliance with specified performance requirements, performed by nationally recognized independent testing agency.
 - 4. Manufacturer's installation instructions.
 - 5. Specimen Warranty: Copy of warranty to be issued by coating manufacturer and certificate of underwriter's coverage of warranty.
- E. Testing Agency's Report:
 - 1. Description of areas tested; include floor plans and photographs if helpful.
 - 2. Summary of conditions encountered.
 - 3. Moisture and alkalinity (pH) test reports.
 - 4. Copies of specified test methods.
 - 5. Recommendations for remediation of unsatisfactory surfaces.
 - 6. Product data for recommended remedial coating.
 - 7. Certificate: Include certification of accuracy by authorized official of testing agency.
 - 8. Submit report to Architect.
 - 9. Submit report not more than two business days after conclusion of testing.
- F. Adhesive Bond and Compatibility Test Report.
- G. Floor Moisture Testing Technician Certificate: International Concrete Repair Institute (ICRI) Concrete Slab Moisture Testing Technician- Grade I certificate.
- H. Copy of RFCI (RWP).

1.06 QUALITY ASSURANCE

- A. Moisture and alkalinity (pH) testing shall be performed by an independent testing agency employed and paid by Contractor.
- B. Testing Agency Qualifications: Independent testing agency experienced in the types of testing specified.
 - 1. Submit evidence of experience consisting of at least 3 test reports of the type required, with project Owner's project contact information.
 - 2. Acceptable Testing Agencies:
 - a. Independent Floor Testing & Inspection, Inc. (IFTI): www.ifti.com/#sle.
 - b. Substitutions: See Section 016000.

- C. Contractor's Responsibility Relating to Independent Agency Testing:
 - 1. Provide access for and cooperate with testing agency.
 - 2. Confirm date of start of testing at least 10 days prior to actual start.
 - 3. Allow at least 4 business days on site for testing agency activities.
 - 4. Achieve and maintain specified ambient conditions.
 - 5. Notify Owner when specified ambient conditions have been achieved and when testing will start.
- D. Remedial Coating Installer Qualifications: Company specializing in performing work of the type specified in this section, trained by or employed by coating manufacturer, and able to provide at least 3 project references showing at least 3 years' experience installing moisture emission coatings.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, handle, and protect products in accordance with manufacturer's instructions and recommendations.
- B. Deliver materials in manufacturer's packaging; include installation instructions.
- C. Keep materials from freezing.

1.08 FIELD CONDITIONS

- A. Maintain ambient temperature in spaces where concrete testing is being performed, and for at least 48 hours prior to testing, at not less than 65 degrees F or more than 85 degrees F.
- B. Maintain relative humidity in spaces where concrete testing is being performed, and for at least 48 hours prior to testing, at not less than 40 percent and not more than 60 percent.

PART 2 PRODUCTS

2.01 MATERIALS

- A. Source Limitations: Obtain specified products from single source and from single manufacturer.
- B. The manufacturer and model number(s) or series listed below are Basis-of-Design.
 - 1. Subject to compliance with all specified requirements, provide products by one of the following, for each type of product listed, or equivalent:
- C. Patching Compound: Floor covering manufacturer's recommended product, suitable for conditions, and compatible with adhesive and floor covering. In the absence of any recommendation from flooring manufacturer, provide a product with the following characteristics:
 - 1. Cementitious moisture-, mildew-, and alkali-resistant compound, compatible with floor, floor covering, and floor covering adhesive, and capable of being feathered to nothing at edges.
 - 2. Compressive Strength: 3000 psi, minimum, after 28 days, when tested in accordance with ASTM C109/C109M or ASTM C472, whichever is appropriate.
 - 3. Products:
 - a. ARDEX Engineered Cements; ARDEX Feather Finish: www.ardexamericas.com/#sle.
 - b. CMP; Level-1, Self Leveling Underlayment: www.cmpsp.com/#sle.
 - c. LATICRETE International, Inc.; NXT LEVEL Cement Based Underlayment: www.laticrete.com/#sle.
 - d. Substitutions: See Section 016000 - Product Requirements.

- D. Remedial Floor Coating: Single- or multi-layer coating or coating/overlay combination intended by its manufacturer to resist water vapor transmission to degree sufficient to meet flooring manufacturer's emission limits, resistant to the level of alkalinity (pH) found, and suitable for adhesion of flooring without further treatment.
 - 1. Thickness: As required for application and in accordance with manufacturer's installation instructions.
 - 2. Products:
 - a. ARDEX Engineered Cements; ARDEX MC RAPID: www.ardexamericas.com/#sle.
 - b. CMP; Lock Down Vapor Suppression Coating: www.cmpp.com/#sle.
 - c. LATICRETE International, Inc; LATICRETE VAPOR BAN E with LATICRETE NXT LEVEL PLUS: www.laticrete.com/#sle.
 - d. Substitutions: See Section 016000 - Product Requirements.
- E. Remedial Floor Treatment: Penetrating, spray-applied, silicate-based product intended by its manufacturer to resist water vapor transmission to degree sufficient to meet flooring manufacturer's emission limits, resistant to the level of alkalinity (pH) found, and suitable for adhesion of flooring without further treatment.
 - 1. Use product recommended by testing agency.

PART 3 EXECUTION

3.01 CONCRETE SLAB PREPARATION

- A. Follow recommendations of testing agency.
- B. Perform following operations in the order indicated:
 - 1. Existing concrete slabs:
 - a. Slabs On-Grade or Elevated, with existing floor coverings:
 - 1) Visual observation of existing floor covering, for adhesion, water damage, alkaline deposits, and other defects.
 - 2) Removal of existing floor covering.
 - b. Slabs with coatings or penetrating sealers/hardeners/dustproofers:
 - 1) Do not attempt to remove coating or penetrating material.
 - 2) Do not abrade surface.
 - 3) Remove existing coatings and curing agents from surface according to recommendations of remedial coating manufacturer.
 - 4) Prepare surface according to recommendations of remedial coating manufacturer and according to ASTM D4259.
 - 5) Chemical Abatement: Prepare surface according to flooring manufacturers written recommendation.
 - 2. New or Existing concrete slabs (on grade or elevated):
 - a. Preliminary cleaning.
 - b. Moisture vapor emission tests; 3 tests in the first 1000 square feet and one test in each additional 1000 square feet, unless otherwise indicated or required by flooring manufacturer.
 - c. Internal relative humidity tests; in same locations as moisture vapor emission tests, unless otherwise indicated.
 - d. Alkalinity (pH) tests; in same locations as moisture vapor emission tests, unless otherwise indicated.
 - e. Specified remediation, if required.
 - f. Patching, smoothing, and leveling, as required.
 - g. Other preparation specified.
 - h. Adhesive bond and compatibility test.
 - i. Protection.

- C. Remediations:
1. Active Water Leaks or Continuing Moisture Migration to Surface of Slab: Correct this condition before doing any other remediation; re-test after correction.
 2. Excessive Moisture Emission or Relative Humidity: If an adhesive that is resistant to the level of moisture present is available and acceptable to flooring manufacturer, use that adhesive for installation of the flooring; if not, apply remedial floor coating or remedial sheet membrane over entire suspect floor area.
 3. Excessive Alkalinity (pH): If remedial floor coating is necessary to address excessive moisture, no additional remediation is required; if not, if an adhesive that is resistant to the level present is available and acceptable to the flooring manufacturer, use that adhesive for installation of the flooring; otherwise, apply a skim coat of specified patching compound over entire suspect floor area.

3.02 REMOVAL OF EXISTING FLOOR COVERINGS

- A. Comply with local, State, and federal regulations and recommendations of RFCI (RWP), as applicable to floor covering being removed.
- B. Dispose of removed materials in accordance with local, State, and federal regulations and as specified.
- C. Comply with Division 02 Hazardous Materials Remediation Sections.
- D. Removal of floor covering by Chemical Abatement: Prepare substrate to receive new flooring per flooring manufacturer's written instructions and approval as to no void flooring warranty.

3.03 PRELIMINARY CLEANING

- A. Clean floors of dust, solvents, paint, wax, oil, grease, asphalt, residual adhesive, adhesive removers, film-forming curing compounds, sealing compounds, alkaline salts, excessive laitance, mold, mildew, and other materials that might prevent adhesive bond.
- B. Do not use solvents or other chemicals for cleaning.

3.04 MOISTURE VAPOR EMISSION TESTING

- A. Where the floor covering manufacturer's requirements conflict with either the referenced test method or this specification, comply with the manufacturer's requirements.
- B. Where this specification conflicts with the referenced test method, comply with the requirements of this section.
- C. Test in accordance with ASTM F1869 and as follows.
- D. Plastic sheet test and mat bond test may not be substituted for the specified ASTM test method, as those methods do not quantify the moisture content sufficiently.
- E. In the event that test values exceed floor covering manufacturer's limits, perform remediation as indicated. In the absence of manufacturer limits, perform remediation if test values exceed 3 pounds per 1000 square feet per 24 hours.
- F. Report: Report the information required by the test method.

3.05 INTERNAL RELATIVE HUMIDITY TESTING

- A. Where the floor covering manufacturer's requirements conflict with either the referenced test method or this specification, comply with the manufacturer's requirements.
- B. Where this specification conflicts with the referenced test method, comply with the requirements of this section.

- C. Test in accordance with ASTM F2170 Procedure A and as follows.
- D. Testing with electrical impedance or resistance apparatus may not be substituted for the specified ASTM test method, as the values determined are not comparable to the ASTM test values and do not quantify the moisture content sufficiently.
- E. In the event that test values exceed floor covering manufacturer's limits, perform remediation as indicated. In the absence of manufacturer limits, perform remediation if any test value exceeds 75 percent relative humidity.
- F. Report: Report the information required by the test method.

3.06 ALKALINITY TESTING

- A. Where the floor covering manufacturer's requirements conflict with either the referenced test method or this specification, comply with the manufacturer's requirements.
- B. The following procedure is the equivalent of that described in ASTM F710, repeated here for the Contractor's convenience.
 - 1. Use a wide range alkalinity (pH) test paper, its associated chart, and distilled or deionized water.
 - 2. Place several drops of water on a clean surface of concrete, forming a puddle approximately 1 inch in diameter. Allow the puddle to set for approximately 60 seconds, then dip the alkalinity (pH) test paper into the water, remove it, and compare immediately to chart to determine alkalinity (pH) reading.
 - 3. Use of a digital pH meter with probe is acceptable; follow meter manufacturer's instructions.
- C. In the event that test values exceed floor covering manufacturer's limits, perform remediation as indicated. In the absence of manufacturer limits, perform remediation if alkalinity (pH) test value is over 10.

3.07 PREPARATION

- A. See individual floor covering section(s) for additional requirements.
- B. Comply with recommendations of testing agency.
- C. Comply with requirements and recommendations of floor covering manufacturer.
- D. Fill and smooth surface cracks, grooves, depressions, control joints and other non-moving joints, and other irregularities with patching compound.
- E. Do not fill expansion joints, isolation joints, or other moving joints.

3.08 ADHESIVE BOND AND COMPATIBILITY TESTING

- A. Comply with requirements and recommendations of floor covering manufacturer.

3.09 APPLICATION OF REMEDIAL FLOOR COATING

- A. Comply with requirements and recommendations of coating manufacturer.
- B. Furnish and install floor coating throughout the entire slab scheduled to receive new flooring.

3.10 APPLICATION OF REMEDIAL FLOOR TREATMENT

- A. Comply with requirements and recommendations of treatment manufacturer.

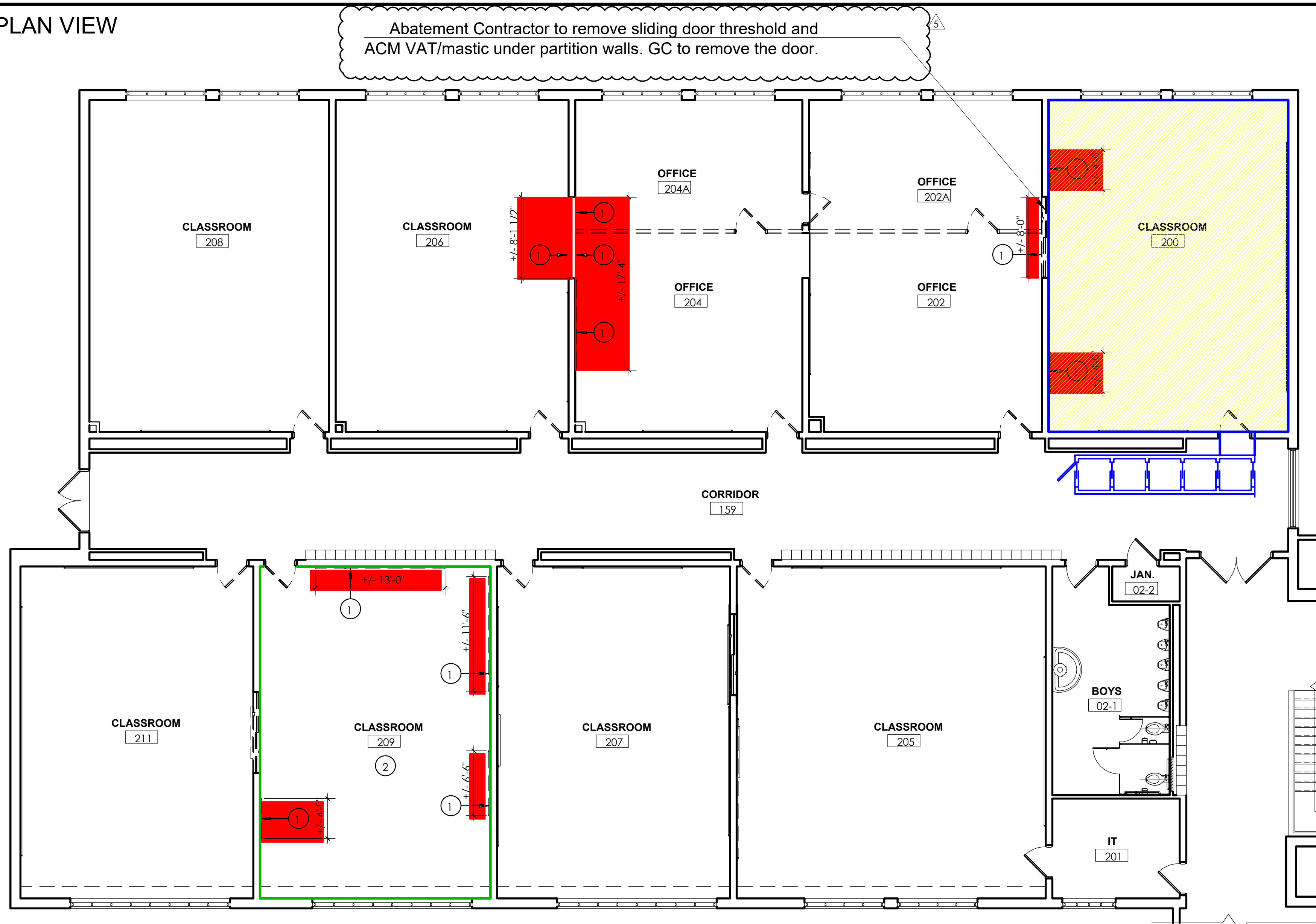
3.11 PROTECTION

- A. Cover prepared floors with building paper or other durable covering.

END OF SECTION

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PLAN VIEW



LEGEND:

- Remove Vinyl Asbestos Floor Tile, Wall Base, and Mastic down to Concrete Substrate.
- Remove Wall Mounted PACM Board/Caulkboard & Glue Dots.
- Remove Applied Wood Wall Paneling, Trim and Base, down to Plaster below (Full Extent of Room)
- Approximate Location of the Decon & Work Area Perimeter

Asbestos Abatement General Notes:

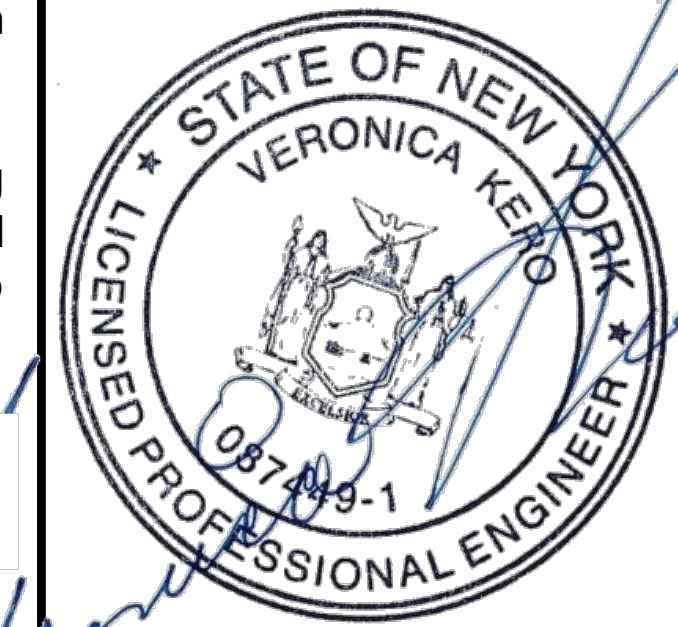
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5. The location of any on-site storage of materials, equipment, decontamination facilities and dumpster/waste trailer shall be coordinated with and approved by the owner's representative and architect.
6. Where applicable, contractor shall ensure all electrical circuits within their work areas are properly locked/tagged in accordance with OSHA 29 CFR 1926.417.
7. Any quantities provided on the drawings are for bidding purposes only. The contractor is responsible for field verifying all job conditions and material quantities prior to bidding.

SITE:
Tappan Zee High School
15 Dutch Hill Road,
Orangeburg, NY 10962

CONSULTANT:
Omega Env. Services
280 Huyler Street
S Hackensack, NJ 07606
Tel: (201) 489-8700
Fax: (201) 342-5412

Veronica Kero
Project Designer:
License #: 91-00474

NY-PE License #:
087449-1



Job #: 24-10-3385

REVISION	
No.	Date
1	11/07/2024
2	11/18/2024

1 AREA B - ASBESTOS ABATEMENT PLAN
HZ101 1/8" = 1'-0"

NOT TO SCALE

Floor	Location(s)	Description of ACM Identified	Estimated Removal QTY	Abatement Procedure	Notes
200 Wing	Area B, Classrooms 200	VAT/Mastic & Cove Base	820 sq. ft.	NYS DOL Full Containment Utilizing Chemical Removal Procedures	(No residual chemical odors permitted)
200 Wing	Multiple Classrooms	(PACM) Board/Chalkboard & Glue Dots	385 sq. ft.	NYS DOL Non-Friable Tent Procedures	Abatement Contractor to verify exact square feet of Chalkboard & Glue Dots

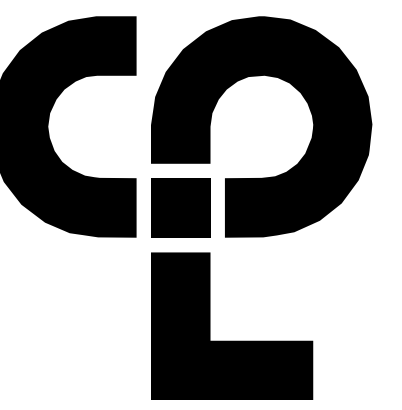
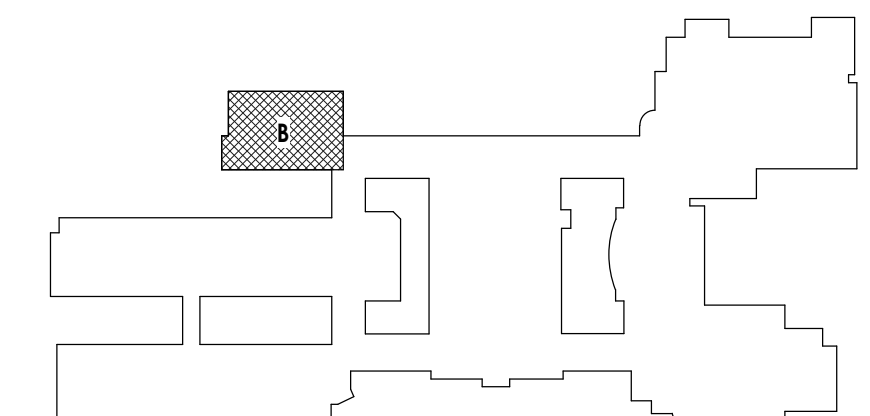
* Exact quantities to be verified during the abatement phase(s).

ASBESTOS LOCATION PLAN: 200 WING - AREA B

DWG: 01

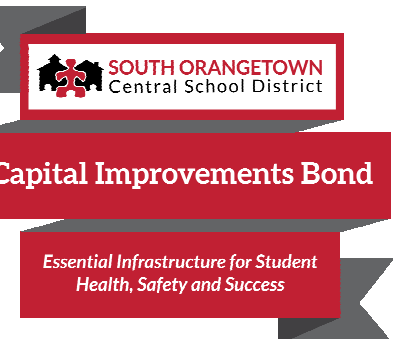


KEY PLAN:



CPL | Architecture Engineering Planning
26 IBM Road
Poughkeepsie, NY 12601
CPLteam.com

NY ENGINEERING FIRM CERTIFICATE #0021419



PROJECT INFORMATION

Project Number
R22.14457.20

Client Name
SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT

Project Name
PHASE 2: 2022 BOND

TAPPAN ZEE HIGH SCHOOL

Building Address
15 DUTCH HILL ROAD, ORANGEBURG, NY 10962

SID # 20-03-01-04-0-004-003

Registration Expiration Dates
Loreen Tarras 09/30/24
Anthony Marchetti 05/31/27
Diane Hoff 03/28/25
Jennifer Wengender 04/30/27

PROJECT ISSUE & REVISION SCHEDULE

No.	Issue	Description
3	11/08/2024	BID ADDENDUM #3
5	11/19/2024	BID ADDENDUM #5

PROFESSIONAL STAMPS



NEW YORK STATE EDUCATION EXAMINER
IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNDER ANY TITLE, UNDER THE SUPERVISION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER IN ANY MANNER OR BY ANY MEANS, BEING THE SIGNATURE OF AN ARCHITECT, ENGINEER OR LAND SURVEYOR, THE CONTENTS OF THESE DRAWINGS AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SHEET INFORMATION

Issued
10/25/2024 Scale
As indicated

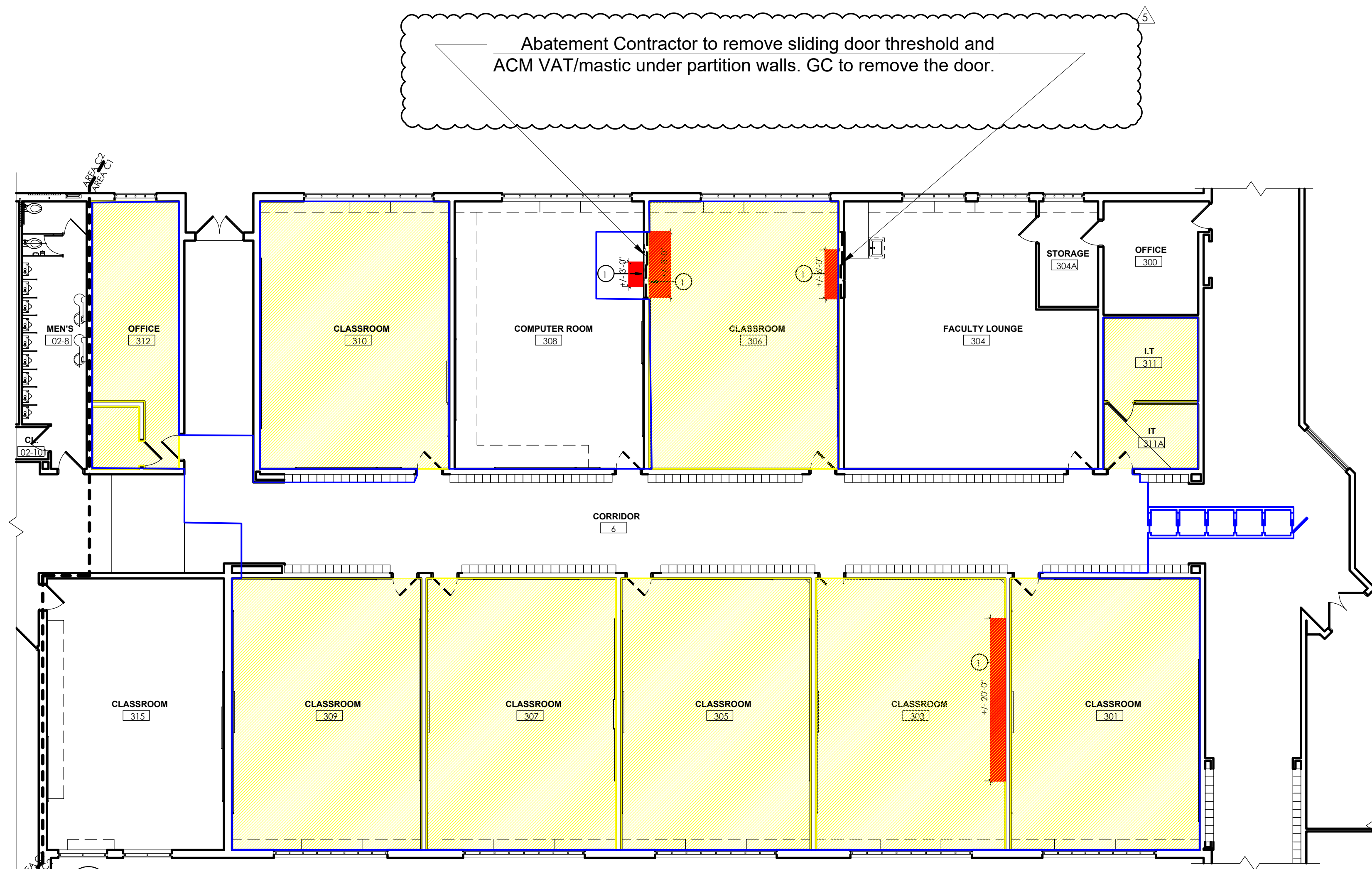
Project Status
BID DOCUMENTS

Drawn By
CJD Checked By
LT

Drawing Title
AREA B ASBESTOS ABATEMENT PLAN

Drawing Number
TZHS
HZ101

PLAN VIEW



1 HZ102 1/8" = 1'-0"
AREA C1 - ASBESTOS ABATEMENT PLAN

NOT TO SCALE

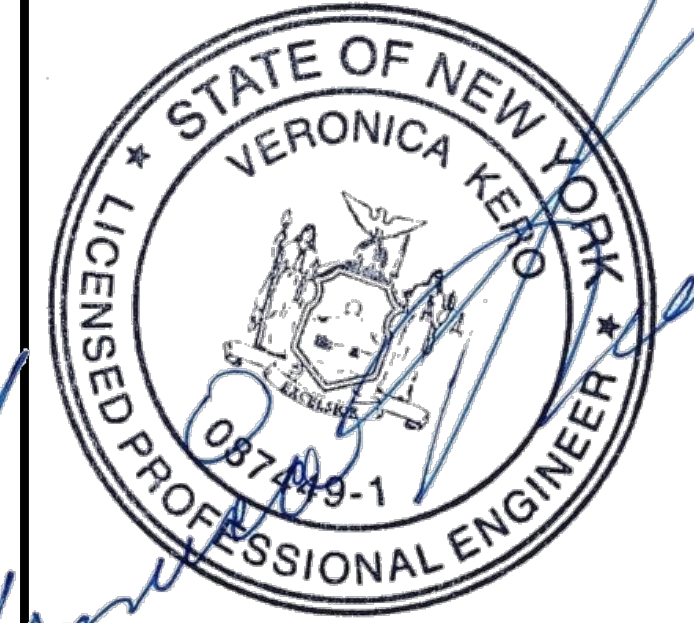
- LEGEND:**
- Remove Vinyl Asbestos Floor Tile, Wall Base, and Mastic down to Concrete Substrate.
 - Remove Wall Mounted PACM Board/Caulkboard & Glue Dots.
 - Remove Applied Wood Wall Paneling, Trim and Base, down to Plaster below (Full Extent of Room)
 - Approximate Location of the Decon & Work Area Perimeter

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CONSULTANT:
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License #: 91-00474
NY-PE License #: 087449-1



Job #: 24-10-3385

REVISION	
No.	Date
1	11/07/2024
2	11/18/2024

Floor	Area	Description of ACM Identified	Estimated Removal QTY	Abatement Procedure	Notes
300 Wing	Area C1 - C2, Classrooms 301, 303, 305, 306, 307, 309, 310, 311, 311A & 312	VAT/Mastic & Cove Base	6,350 sq. ft.	NYS DOL Full Containment Utilizing Chemical Removal Procedures	(No residual chemical odors permitted)
300 Wing	Multiple Classrooms	(PACM) Board/Chalkboard Glue Dots	185 sq. ft.	NYS DOL Non-Friable Tent Procedures	Abatement Contractor to verify exact square feet of Chalkboard & Glue Dots

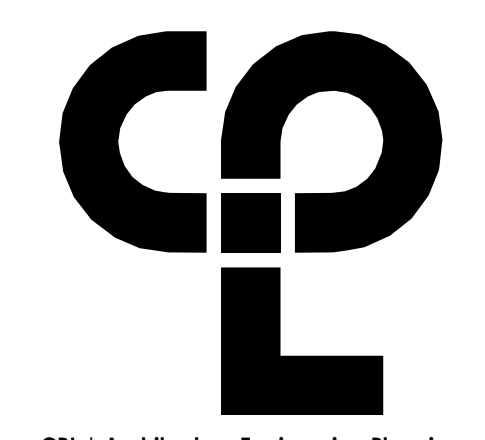
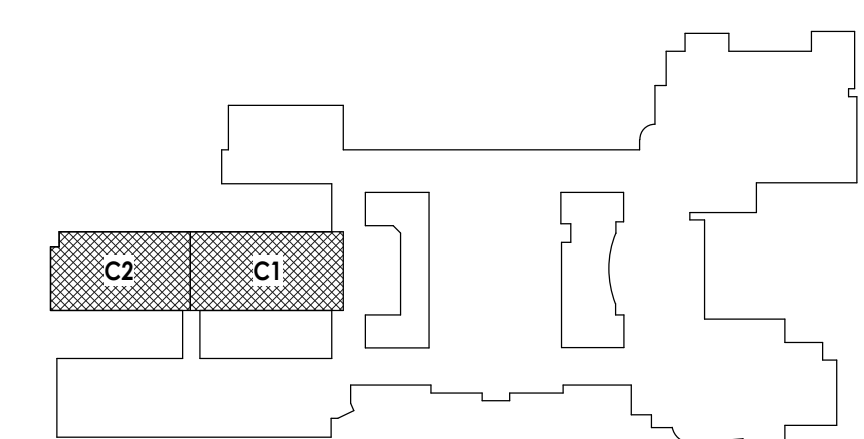
* Exact quantities to be verified during the abatement phase(s).

ASBESTOS LOCATION PLAN: 300 WING - AREA C1-C2

DWG: 02

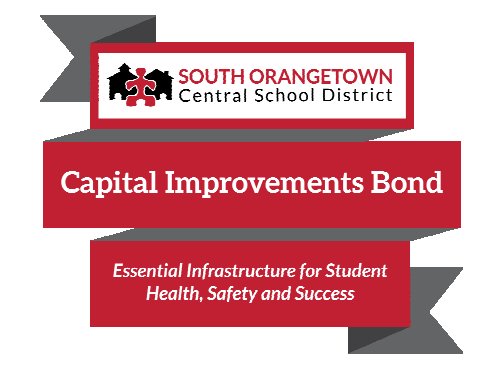


KEY PLAN:



CPL | Architecture Engineering Planning
26 IBM Road
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CPLteam.com

NY ENGINEERING FIRM CERTIFICATE #0021419

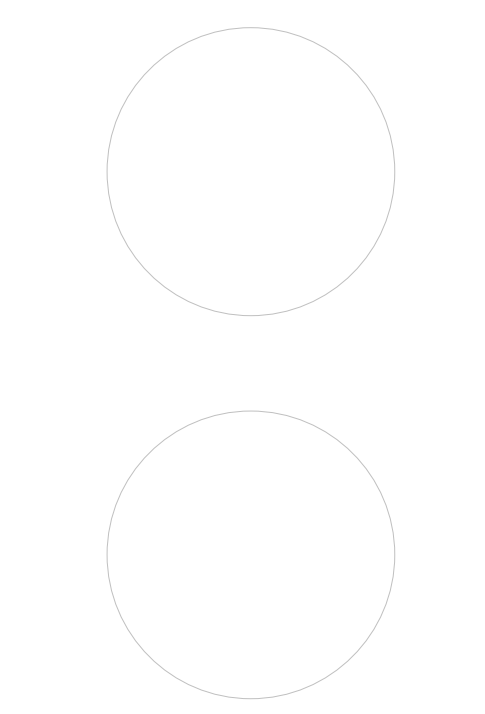


PROJECT INFORMATION
Project Number: R22.14457.20
Client Name: SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
Project Name: PHASE 2: 2022 BOND

TAPPAN ZEE HIGH SCHOOL
Building Address: 15 DUTCH HILL ROAD, ORANGEBURG, NY 10962
SID # 50-03-01-04-0-004-003
Registration Expiration Dates:
Lorena Tanna: 09/30/24
Anthony Marchetti: 05/31/27
Diane Hoyt: 03/28/25
Jennifer Wengender: 06/30/27

PROJECT ISSUE & REVISION SCHEDULE
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5. 11/19/2024 BID ADDENDUM #5

PROFESSIONAL STAMPS

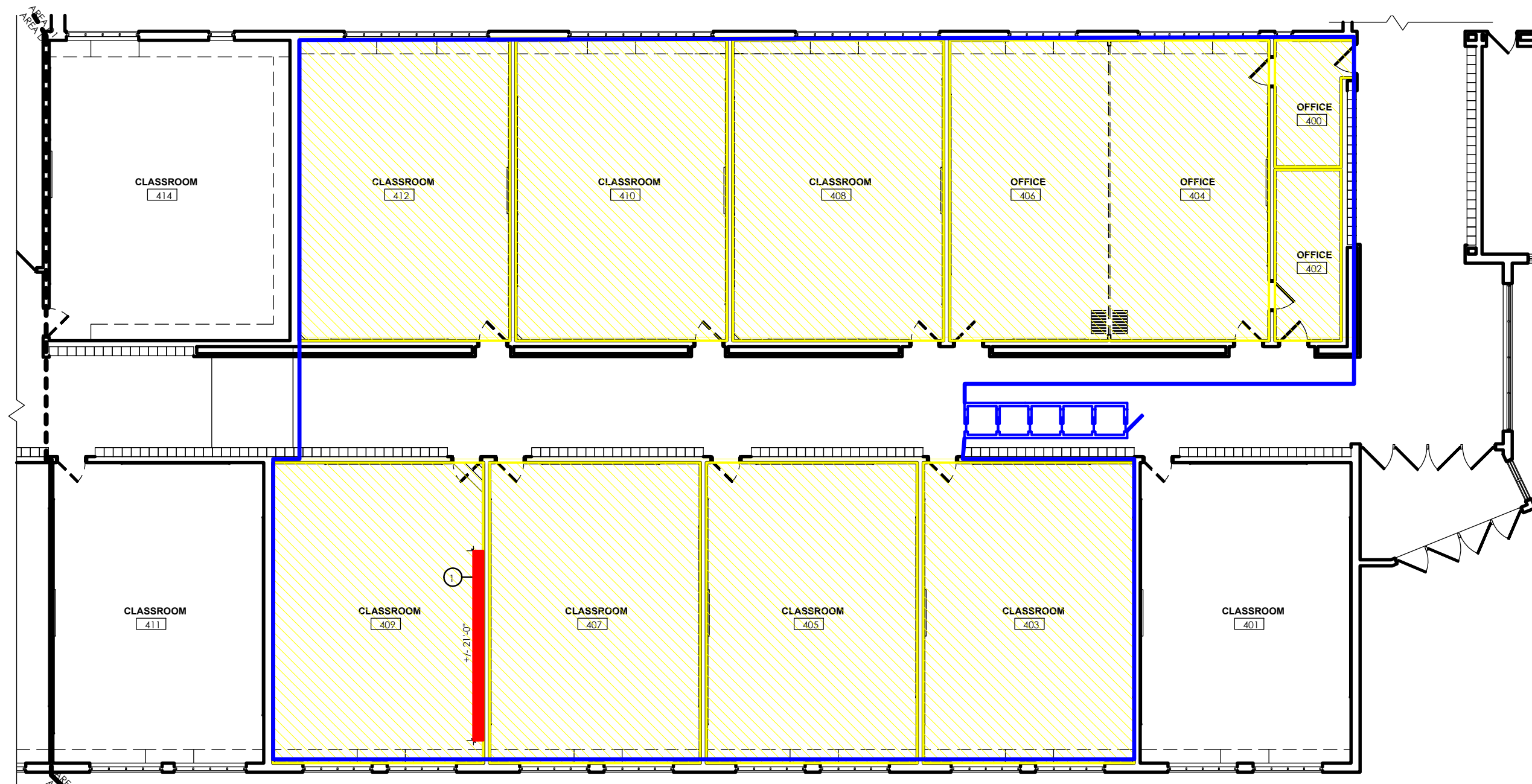


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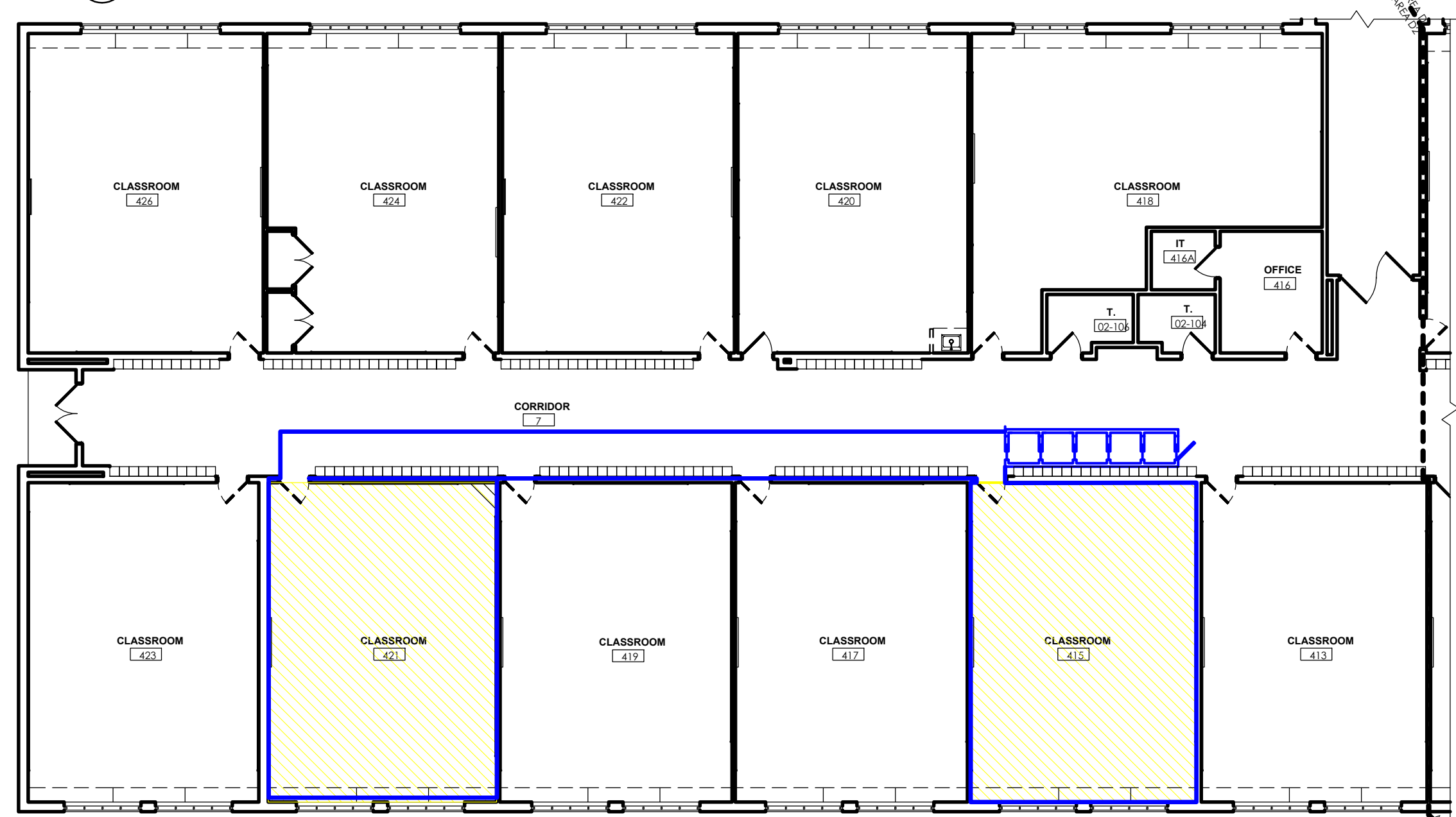
SHEET INFORMATION
Issued: 10/25/2024 Scale: As indicated
Project Status: BID DOCUMENTS
Drawn By: CJD Checked By: LT
Drawing Title: AREA C ASBESTOS ABATEMENT PLAN

Drawing Number: TZHS HZ102

PLAN VIEW



1 AREA D1 - ASBESTOS ABATEMENT PLAN
1/8" = 1'-0"



2 AREA D2 - ASBESTOS ABATEMENT PLAN
1/8" = 1'-0"

LEGEND:

- Remove Vinyl Asbestos Floor Tile, Wall Base, and Mastic down to Concrete Substrate.
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Job #: 24-10-3385

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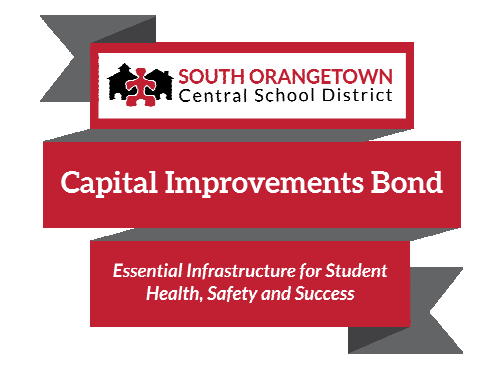
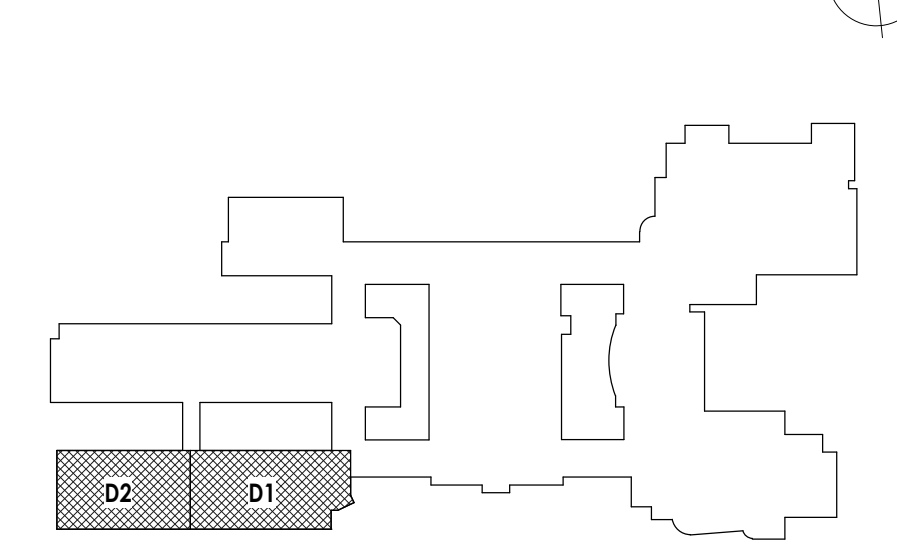
Location(s)	Description of ACM Identified	Estimated Removal QTY	Abatement Procedure	Notes
400 Wing Area D1 - D2, Classrooms 400, 402 - 410, 412, 415, & 421	VAT/Mastic & Cove Base	8,950 sq. ft.	NYS DOL Full Containment Utilizing Chemical Removal Procedures	(No residual chemical odors permitted)
400 Wing Multiple Classrooms	(PACM) Board/Chalkboard & Glue Dots	105 sq. ft.	NYS DOL Non-Friable Tent Procedures	Abatement Contractor to verify exact square feet of Chalkboard & Glue Dots

* Exact quantities to be verified during the abatement phase(s).

ASBESTOS LOCATION PLAN: 400 WING - AREA D1-D2

DWG: 03 OMEGA ENVIRONMENTAL SERVICES, INC.

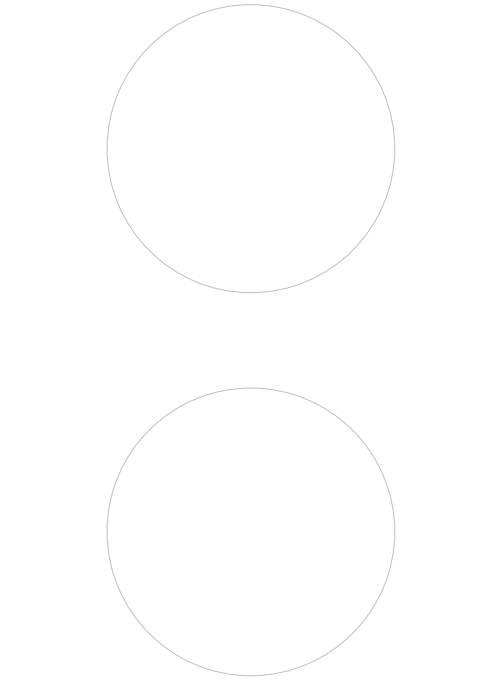
KEY PLAN:



PROJECT INFORMATION
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Client Name: SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
Project Name: PHASE 2: 2022 BOND
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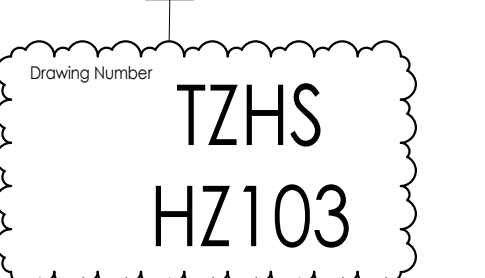
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1. Issue
3. 11/08/2024 BID ADDENDUM #3
5. 11/19/2024 BID ADDENDUM #5

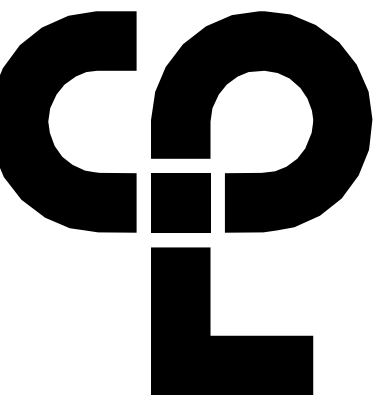
PROFESSIONAL STAMPS



NEW YORK STATE EDUCATION LAW
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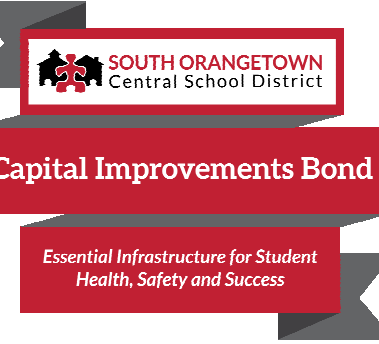
SHEET INFORMATION
Issued: 10/25/2024 Scale: As indicated
Project Status: BID DOCUMENTS
Drawn By: CJD Checked By: LT
Drawing Title: AREA D ASBESTOS ABATEMENT PLAN





CPL | Architecture Engineering Planning
26 IBM Road
Poughkeepsie, NY 12601
CPLteam.com

NY ENGINEERING FIRM CERTIFICATE #0021419



PROJECT INFORMATION

Project Number
R22.14457.20

Client Name
SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT

Project Name
SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT

PHASE 2: 2022 BOND

TAPPAN ZEE HIGH SCHOOL

Building Address
15 DUTCH HILL ROAD, ORANGEBURG, NY 10962

SED # 20-03-01-04-0-004-003

Registration Expiration Dates

Loreen Tarras 05/30/24

Anthony Marchetti 05/31/27

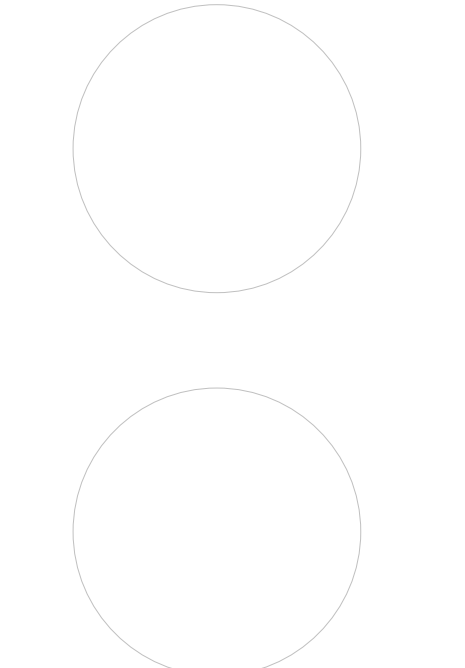
Dave Hoff 02/28/25

Jennifer Wangender 06/30/27

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
1	11/01/2024	BID ADDENDUM #1
5	11/19/2024	BID ADDENDUM #5

PROFESSIONAL STAMPS



NEW YORK STATE EDUCATION STATUTE
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SHEET INFORMATION

Issued	10/25/2024	Scale	As indicated
Project Status	BID DOCUMENTS	Checked By	CJD
Drawn By	CJD	Checked By	LT
Drawing Title	AREA C DEMOLITION FLOOR PLAN		
Drawing Number	TZHS A103		

DEMOLITION GENERAL NOTES

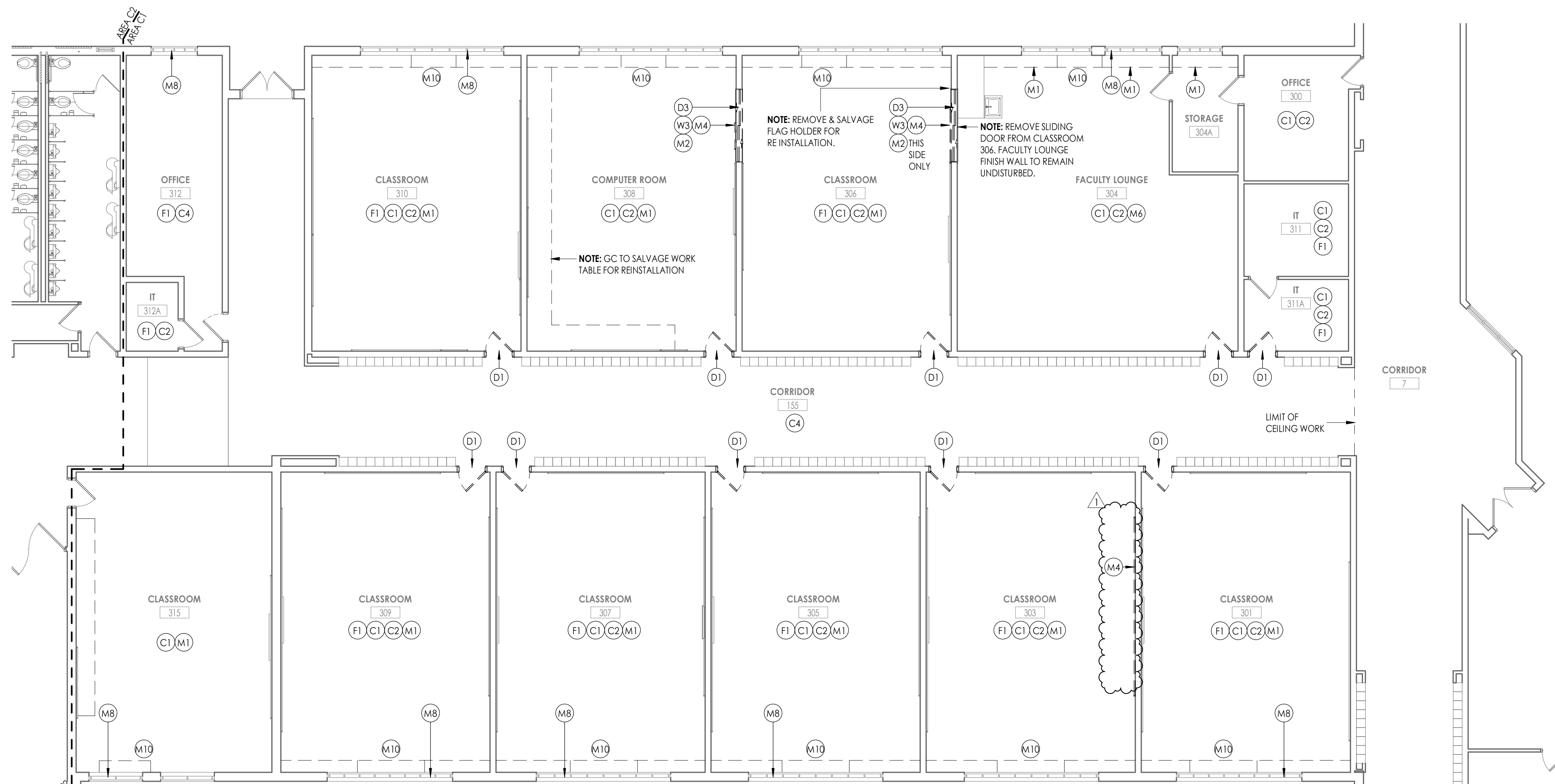
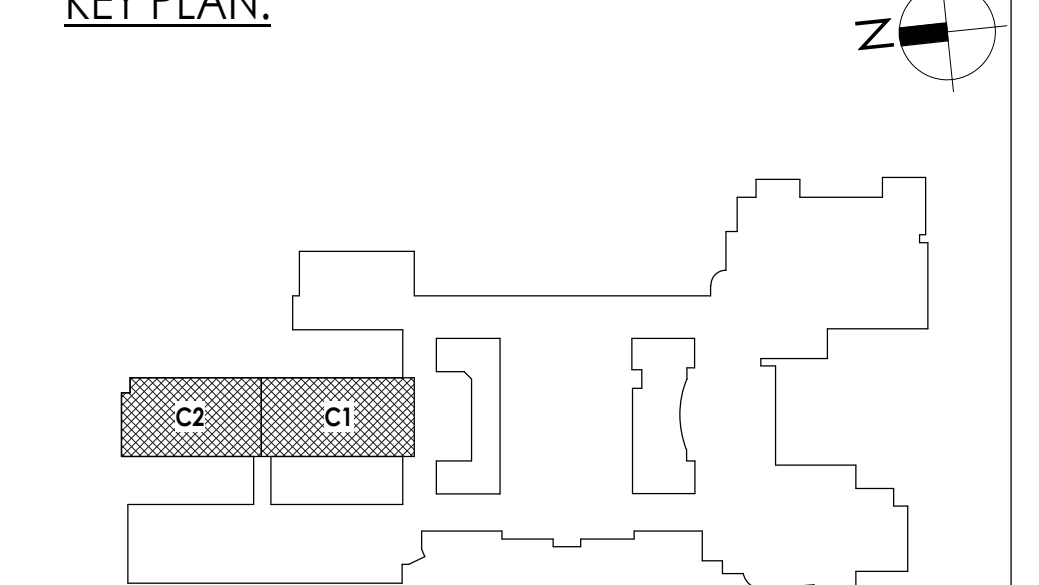
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- IN THE CASE THAT ANY SUSPICIOUS MATERIALS ARE UNCOVERED THAT APPEAR TO CONTAIN HAZARDOUS MATERIALS SUCH AS BUT NOT LIMITED TO MOLD, LEAD PAINT OR ASBESTOS, LEAVE THE PREMISES AND NOTIFY THE OWNER & ABATEMENT CONTRACTOR FOR REQUIRED TESTING AND/OR REMOVALS.
- REMOVE ALL MISCELLANEOUS WALL MOUNTED ITEMS ON WALLS SCHEDULED TO RECEIVE NEW FINISHES INCLUDING BUT NOT LIMITED TO TRIM, TACK STRIPS, FLAG HOLDERS, ETC.

DEMOLITION KEY NOTES

- (C1) REMOVE ACT CEILING SYSTEM IN ITS ENTIRETY
- (C2) REMOVE SPLINE CEILING SYSTEM IN ITS ENTIRETY
- (C3) REMOVE GYPSUM WALL BOARD SOFFIT IN ITS ENTIRETY
- (C4) REMOVE ACT CEILING SYSTEM IN ITS ENTIRETY. SALVAGE CEILING TILES TO BE REINSTALLED IN NEW GRID.
- (D1) REMOVE DOOR & HARDWARE. EXISTING FRAME TO REMAIN
- (D2) REMOVE DOOR, FRAME, AND HARDWARE IN ITS ENTIRETY AND RETURN TO OWNER.
- (D3) REMOVE SLIDING DOOR FRAME AND HARDWARE IN ITS ENTIRETY. THRESHOLD TO REMAIN UNDISTURBED AND TO BE REMOVED BY ABATEMENT CONTRACTOR.
- (D4) REMOVE OPERABLE PARTITION IN ITS ENTIRETY, INCLUDING TRACK AND FRAMED WALL.
- (F1) VINYL ASBESTOS TILE FLOORING TO BE REMOVED BY ABATEMENT CONTRACTOR. REFER TO HZ DRAWINGS.
- (F2) REMOVE VCT FLOORING AND WALL BASE IN ITS ENTIRETY.
- (M1) REMOVE CASEWORK
- (M2) REMOVE WOOD TRIM FROM FRAMED OPENING, BOTH SIDES.
- (M3) REMOVE EXISTING UNIT VENTILATOR PLATFORM IN ITS ENTIRETY.
- (M4) ABATEMENT CONTRACTOR TO REMOVE WALL MTD. BOARD IN ITS ENTIRETY
- (M5) NOT USED
- (M6) REMOVE CEILING FAN AND SALVAGE FOR REINSTALLATION.
- (M7) REMOVE EXISTING WALL MTD. FAN AND RETURN TO OWNER.
- (M8) REMOVE EXISTING WINDOW AC UNIT AND SURROUNDING PANEL. TURN AC UNIT OVER TO OWNER
- (M9) EXISTING PTAC TO BE REMOVED BY M.C.
- (M10) EXISTING U.V. TO BE REMOVED BY M.C.
- (M11) EXISTING SSI TO BE REMOVED BY M.C.
- (M12) REMOVE & SALVAGE STOVE. RETURN TO OWNER
- (M13) REMOVE EXISTING TRACK AND WOOD TRIM IN ITS ENTIRETY.
- (P1) M.C. TO REMOVE EXISTING SINK. REFER TO PLUMBING DRAWINGS
- (P2) NOT USED
- (W1) REMOVE CMU WALL
- (W2) REMOVE STEEL STUD WALL
- (W3) REMOVE GYPSUM BOARD AND WOOD FRAMING IN ITS ENTIRETY
- (W4) ABATEMENT CONTRACTOR TO REMOVE WOOD WALL PANELING, BASE AND TRIM IN ITS ENTIRETY FROM WALLS. DOWN TO PLASTER BELOW. GC TO PREPARE SURFACE TO RECEIVE NEW GYPSUM BOARD

NOTE:
WALL MOUNTED BOARDS ARE TO REMAIN UNDISTURBED UNLESS OTHERWISE NOTED.

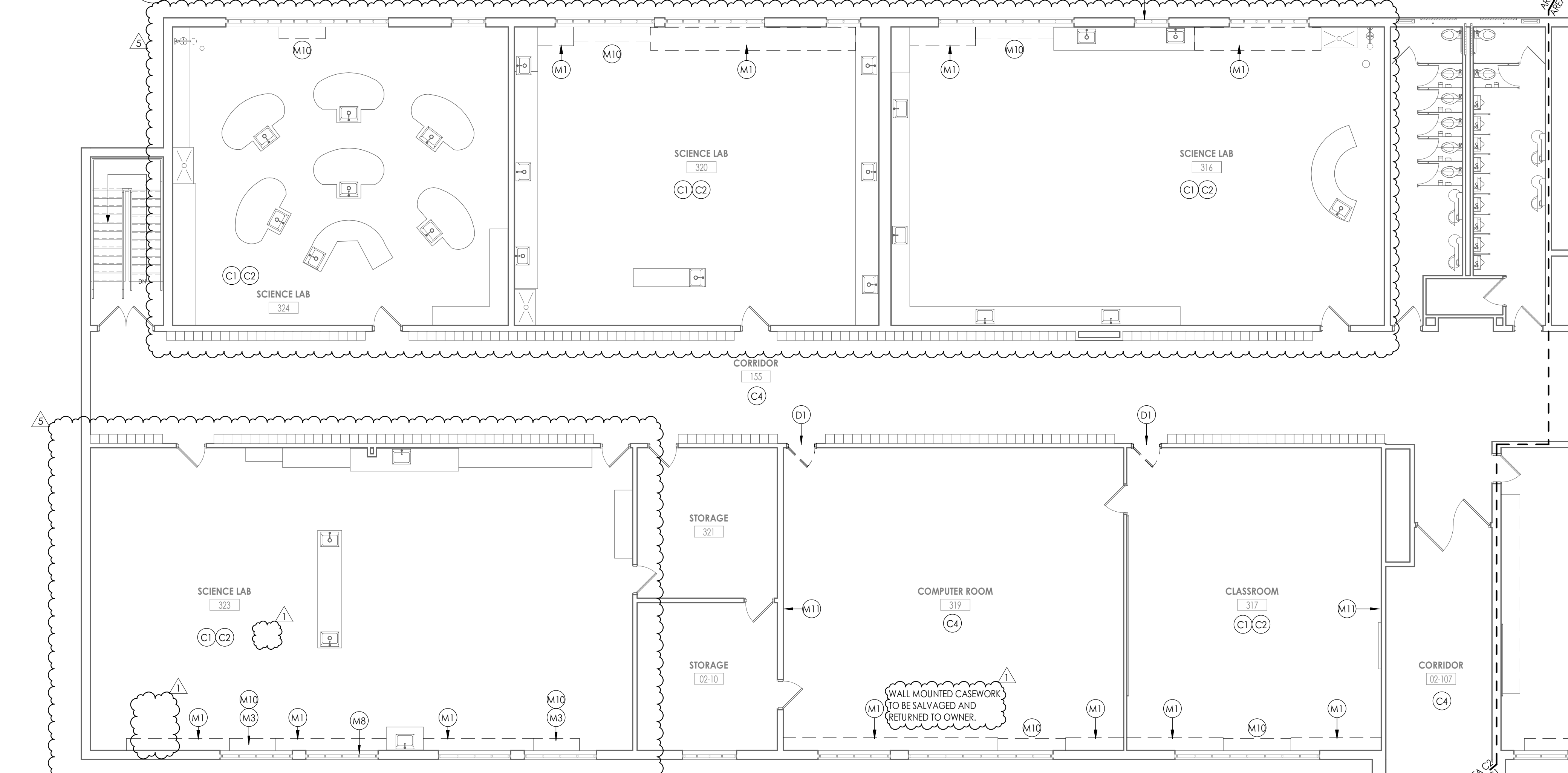
KEY PLAN:



1 AREA C1 - FIRST FLOOR DEMOLITION PLAN

A103

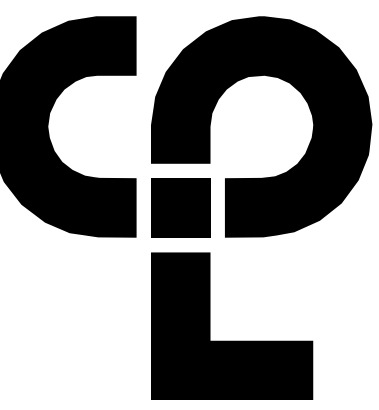
1/8" = 1'-0"



2 AREA C2 - FIRST FLOOR DEMOLITION PLAN

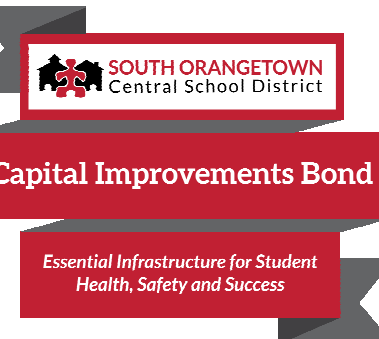
A103

1/8" = 1'-0"



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NY ENGINEERING FIRM CERTIFICATE #0021419



PROJECT INFORMATION

Project Number
R22.14457.20

Client Name
SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT

Project Name
PHASE 2: 2022 BOND

TAPPAN ZEE HIGH SCHOOL

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15 DUTCH HILL ROAD, ORANGETOWN, NY 10962

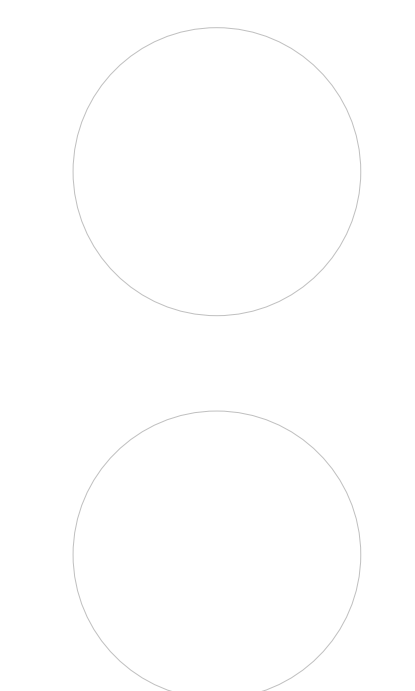
SED # 20-03-01-04-0-004-003

Registration Expiration Dates
Loreen Tanya 05/30/24
Anthony Marchetti 05/31/27
David Hoff 03/28/25
Jennifer Wengender 06/30/27

PROJECT ISSUE & REVISION SCHEDULE

Issue Description
5 11/19/2024 BID ADDENDUM #5

PROFESSIONAL STAMPS



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SHEET INFORMATION

Issued 10/25/2024 Scale As indicated

Project Status BID DOCUMENTS

Drawn By CJD Checked By LT

Drawing Title AREA E & F DEMOLITION FLOOR PLAN

Drawing Number TZHS A105

DEMOLITION GENERAL NOTES

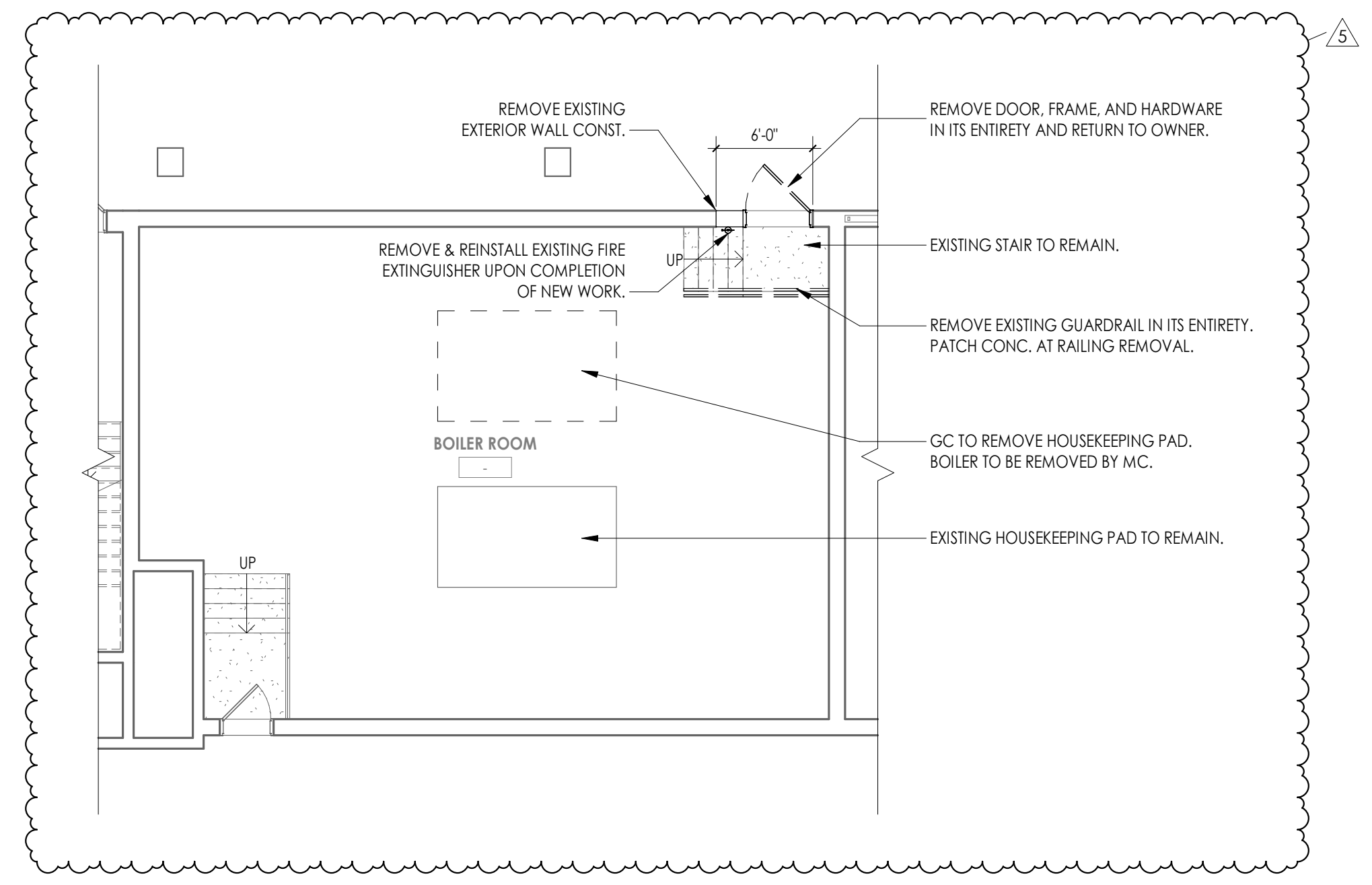
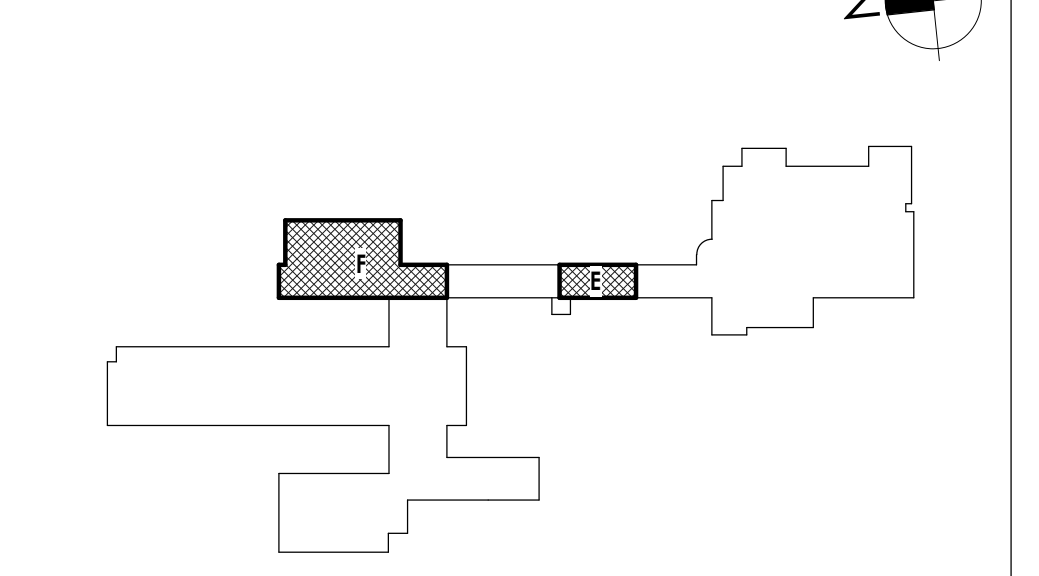
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DEMOLITION KEY NOTES

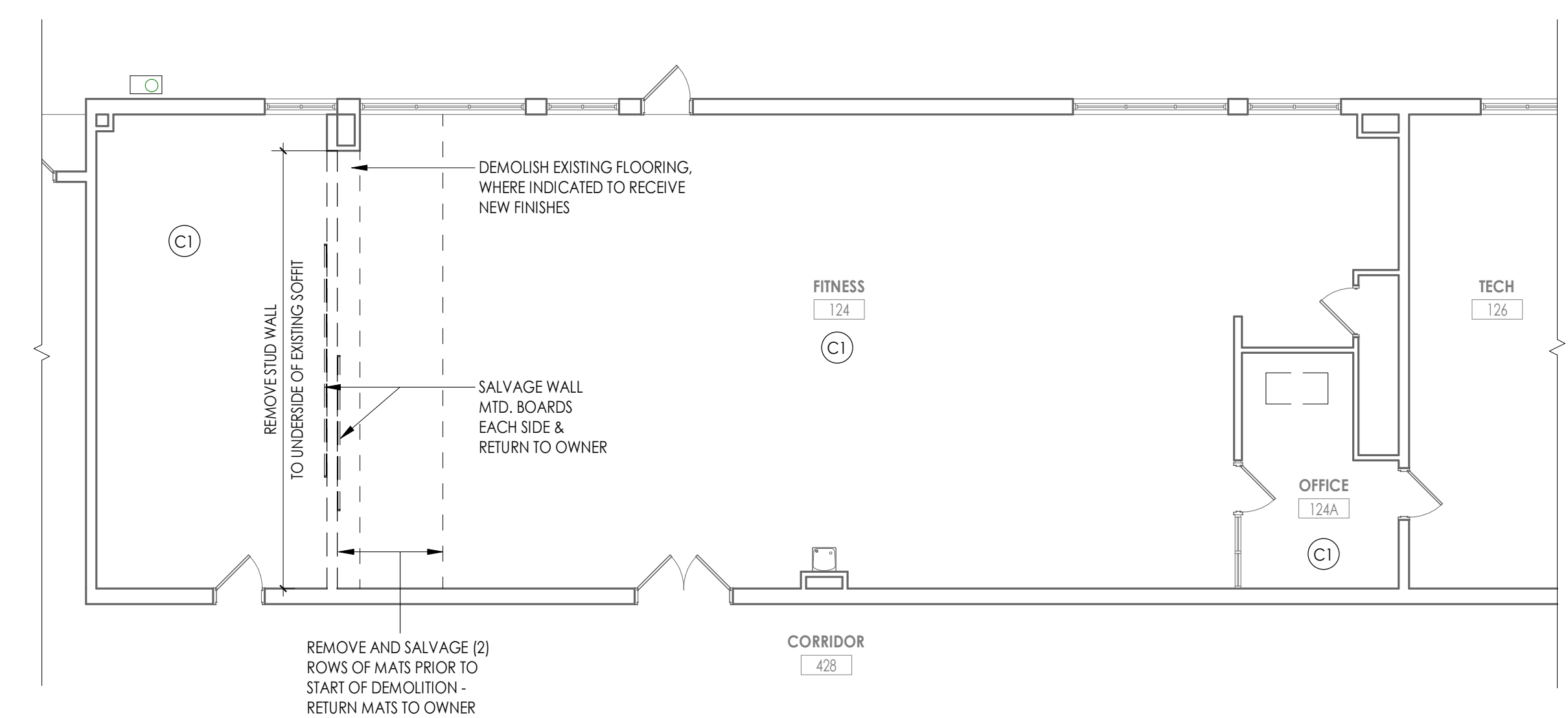
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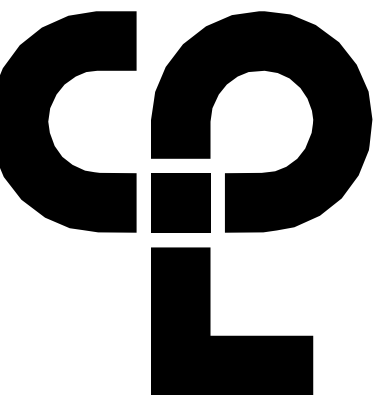
KEY PLAN:



2 AREA F - BOILER ROOM DEMOLITION FLOOR PLAN
A105 1/8" = 1'-0"



1 AREA E - GROUND FLOOR DEMOLITION PLAN - FITNESS ROOM
A105 1/8" = 1'-0"



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26 IBM Road
Poughkeepsie, NY 12601
CPLteam.com

NY ENGINEERING FIRM CERTIFICATE #0021419



Capital Improvements Bond

Essential Infrastructure for Student Health, Safety and Success

PROJECT INFORMATION

Project Number
R22.14457.20

Client Name

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT

Project Name

PHASE 2: 2022 BOND

TAPPAN ZEE HIGH SCHOOL

Building Address
15 DUTCH HILL ROAD, ORANGEBURG, NY 10962

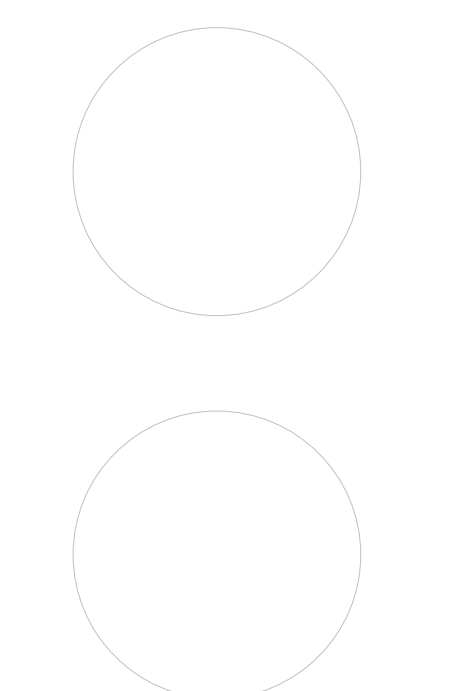
SED # 20-03-01-04-0-004-003

Registration Expiration Dates
Loreen Tanski 09/30/24
Anthony Marchetti 05/31/27
David Hoyt 02/28/25
Jennifer Wengender 06/30/27

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
1	11/04/2024	BID ADDENDUM #2
2	11/04/2024	BID ADDENDUM #2
5	11/19/2024	BID ADDENDUM #5

PROFESSIONAL STAMPS



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SHEET INFORMATION

Issued 10/25/2024 Scale As indicated

Project Status

BID DOCUMENTS

Drawn By CJD Checked By LT

Drawing Title

AREA C NEW WORK PLAN

Drawing Number

TZHS

A203

FLOOR PLAN GENERAL NOTES

- ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING FINISHES AND EQUIPMENT NOT REMOVED UNDER THE SCOPE OF WORK. ANY DAMAGE WILL BE REPAIRED TO THE OWNER/ARCHITECT'S SATISFACTION AT NO COST TO THE OWNER.
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- COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.
- REFER TO I DRAWINGS FOR INTERIOR FINISHES

FLOOR PLAN LEGEND

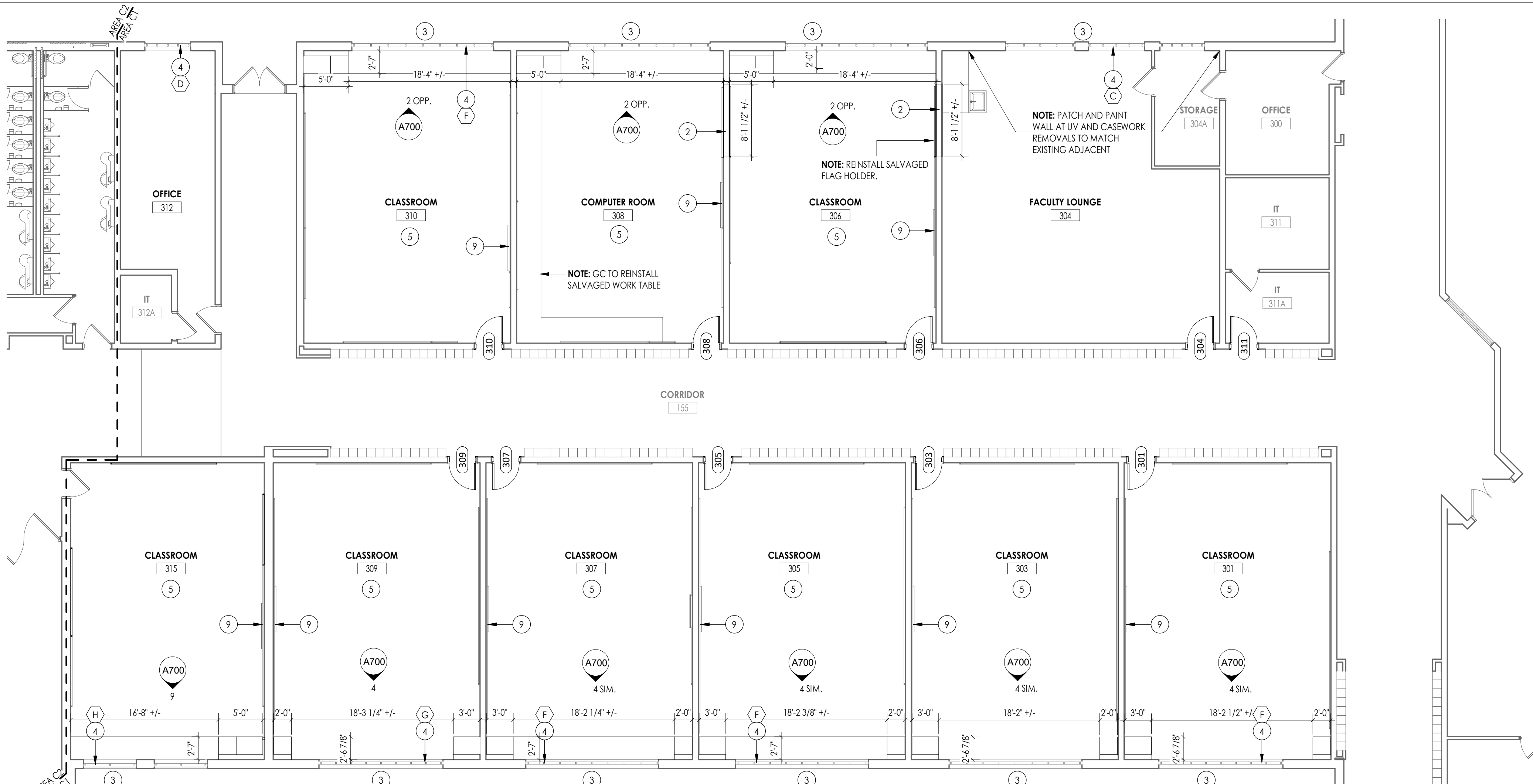
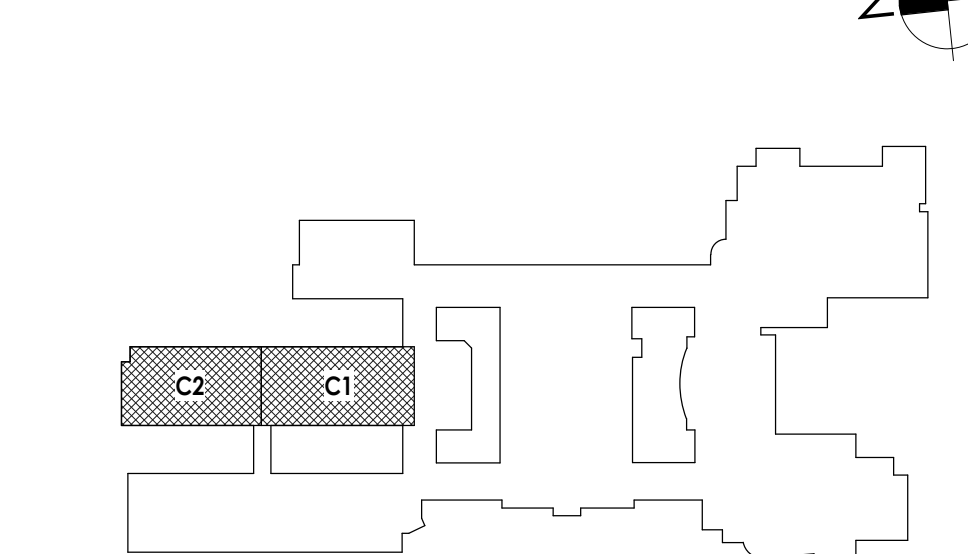
NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN THIS PROJECT.

- | | | | | |
|--|-------------------------|--------------------------------------|--|--------------------------------------|
| | DOOR | DOOR TARGET, SEE SCHEDULE | | WINDOW TARGET, SEE SCHEDULE |
| | ROOM NAME | HT234.2
150 SF
10'-0" x 19'-0" | | ROOM TAG |
| | SECTION MARK | | | DETAIL FOR REFERENCE MARK |
| | INTERIOR ELEVATION MARK | | | DENOTES FINISH FLOOR GRADE ELEVATION |
| | EXTERIOR ELEVATION MARK | | | |

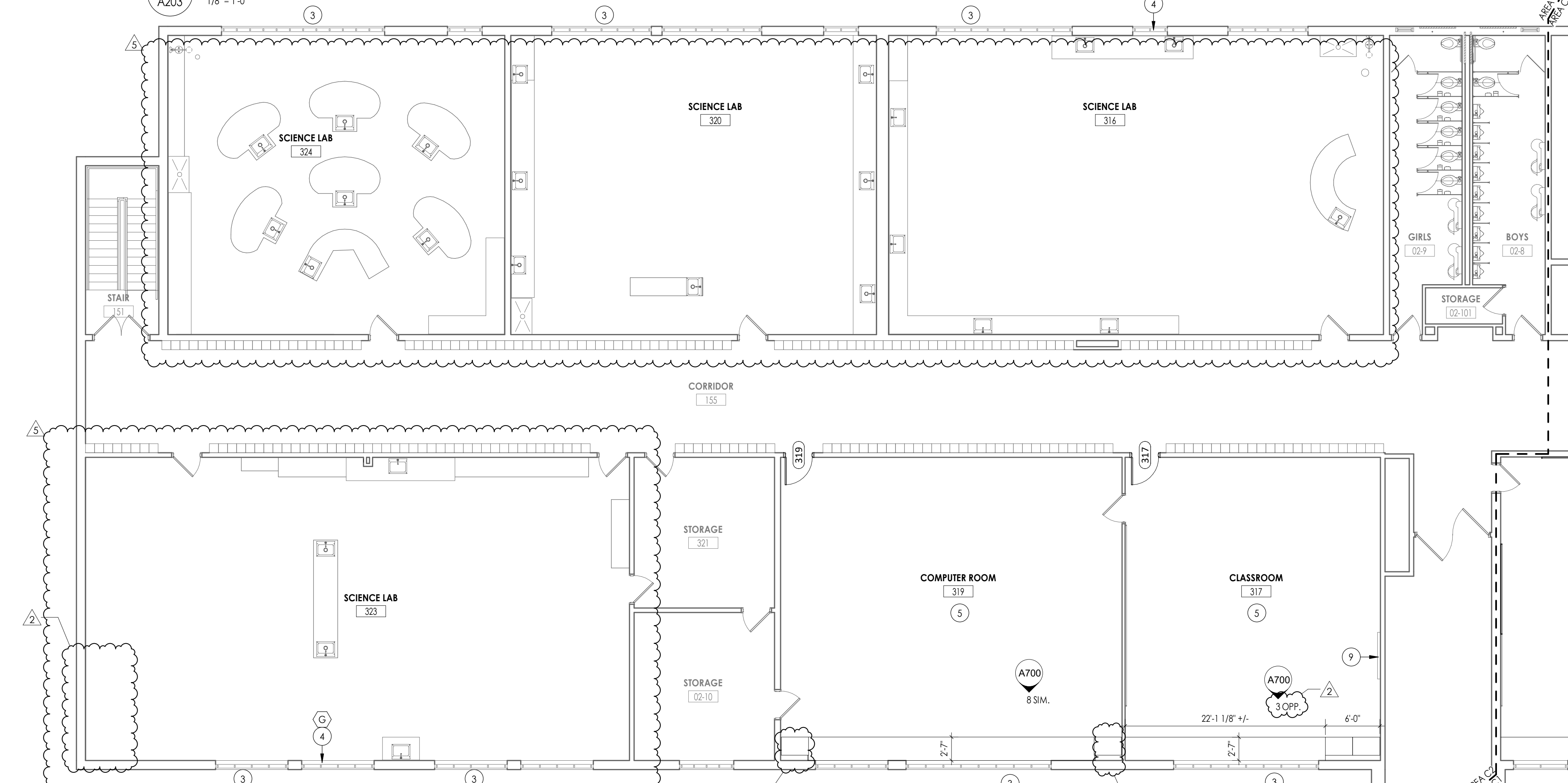
FLOOR PLAN KEY NOTES

- PATCH PLASTER WALL AS REQ'D AT DEMOLISHED WALLS & CASEWORK
- INFILL WALL OPENING WITH 8" CMU AND PLASTER BOTH SIDES TO MATCH EXISTING. PATCH WALL BASE TO MATCH EXISTING.
- INFILL EXTERIOR MASONRY WALL AT DEMOLISHED UV LOCATIONS. REFER TO DETAIL 1/A800
- REPLACE WINDOW PANEL W/ GLAZING AT EXISTING AC REMOVAL. REFER TO A900
- NEW CASEWORK. REFER TO INTERIOR ELEVATIONS AND A800 SERIES FOR DETAILS.
- PATCH PLASTER WALL AT REMOVALS
- PATCH PLASTER WALL AT DEMOLISHED LIGHT FIXTURE
- PATCH PLASTER WALL AS REQ'D AT DEMOLISHED TRACK
- SMARTBOARD TO BE FURNISHED & INSTALLED BY OWNER. REFER TO I DRAWINGS FOR DATA CONNECTION LOCATIONS.
- LAMINATE GYPSUM WALL BOARD AS SPECIFIED. GYP TO EXTEND 6" MIN. ABOVE FINISHED CEILING.
- NEW HOUSEKEEPING PAD BY GC. REFER TO DETAIL 8/A800

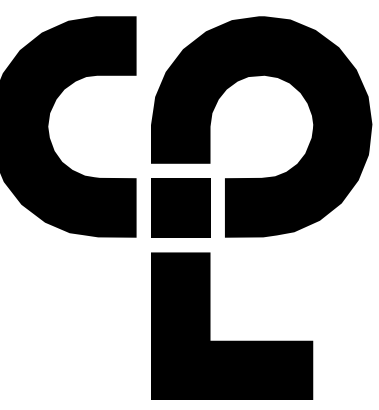
KEY PLAN:



1 AREA C1 - FIRST FLOOR PLAN
1/8" = 1'-0"

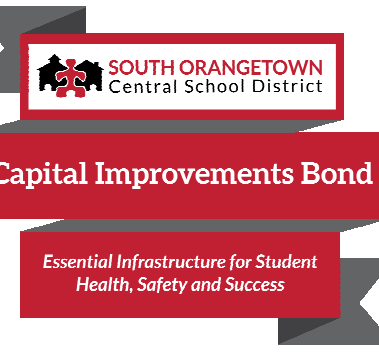


2 AREA C2 - FIRST FLOOR PLAN
1/8" = 1'-0"



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NY ENGINEERING FIRM CERTIFICATE #0021419



PROJECT INFORMATION

Project Number
R22.14457.20

Client Name
SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT

Project Name
PHASE 2: 2022 BOND

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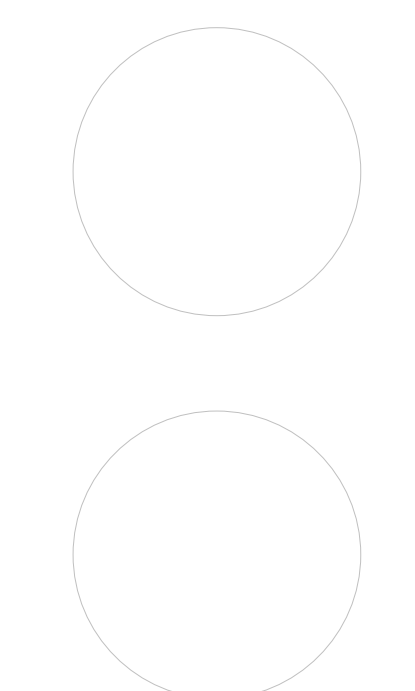
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Registration Expiration Dates
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Anthony Marchetti 05/31/27
David Hoff 02/28/25
Jennifer Wengender 06/30/27

PROJECT ISSUE & REVISION SCHEDULE

5 11/19/2024 BID ADDENDUM #5

PROFESSIONAL STAMPS



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SHEET INFORMATION

Issued 10/25/2024 Scale As indicated

Project Status
BID DOCUMENTS

Drawn By CJD Checked By LT

Drawing Title
AREA E & F NEW WORK PLAN

Drawing Number
TZHS A205

FLOOR PLAN GENERAL NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
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7. REFER TO I DRAWINGS FOR INTERIOR FINISHES

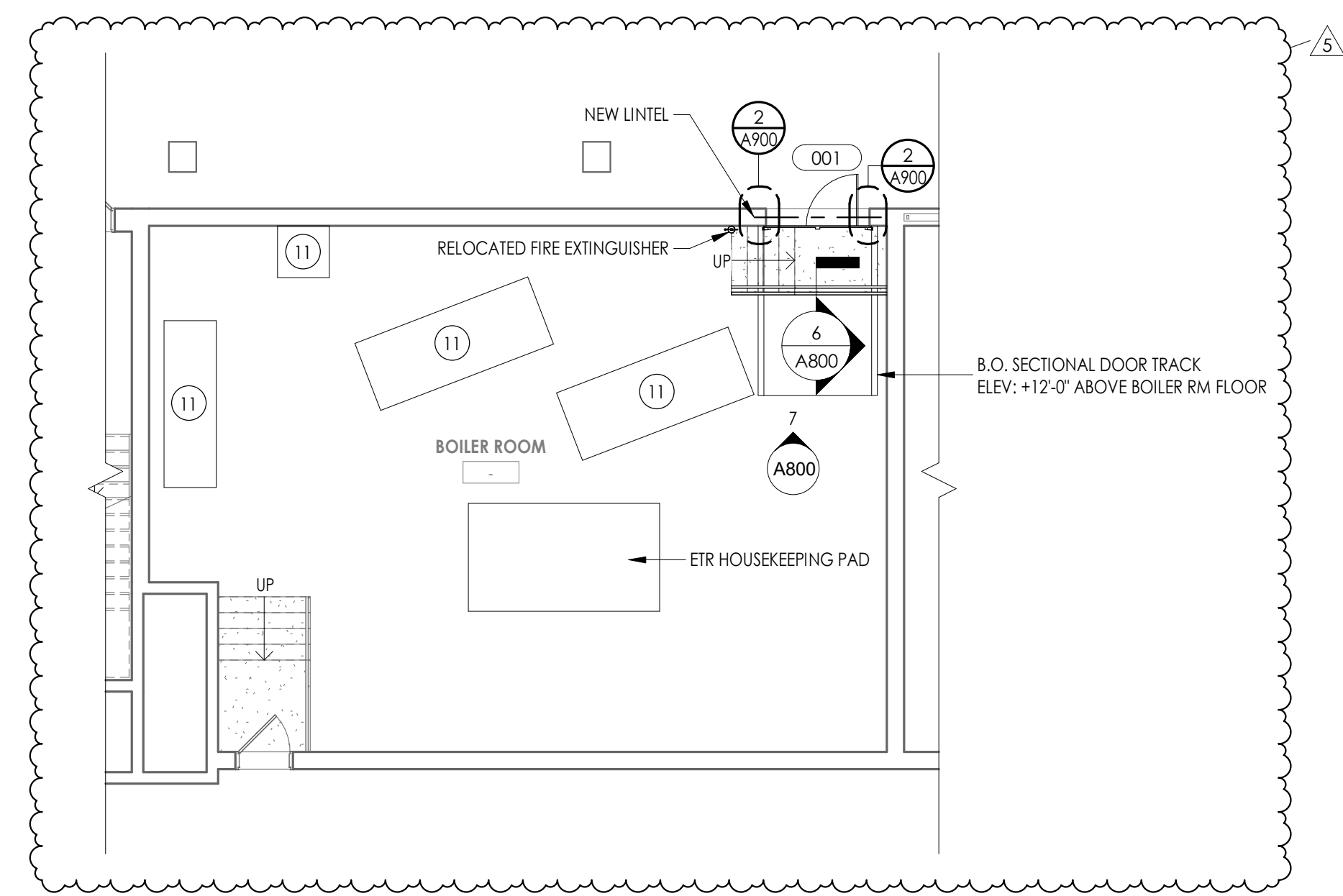
FLOOR PLAN LEGEND

NOTE: THIS LEGEND MAY CONTAIN SYMBOLS THAT ARE NOT USED IN THIS PROJECT.

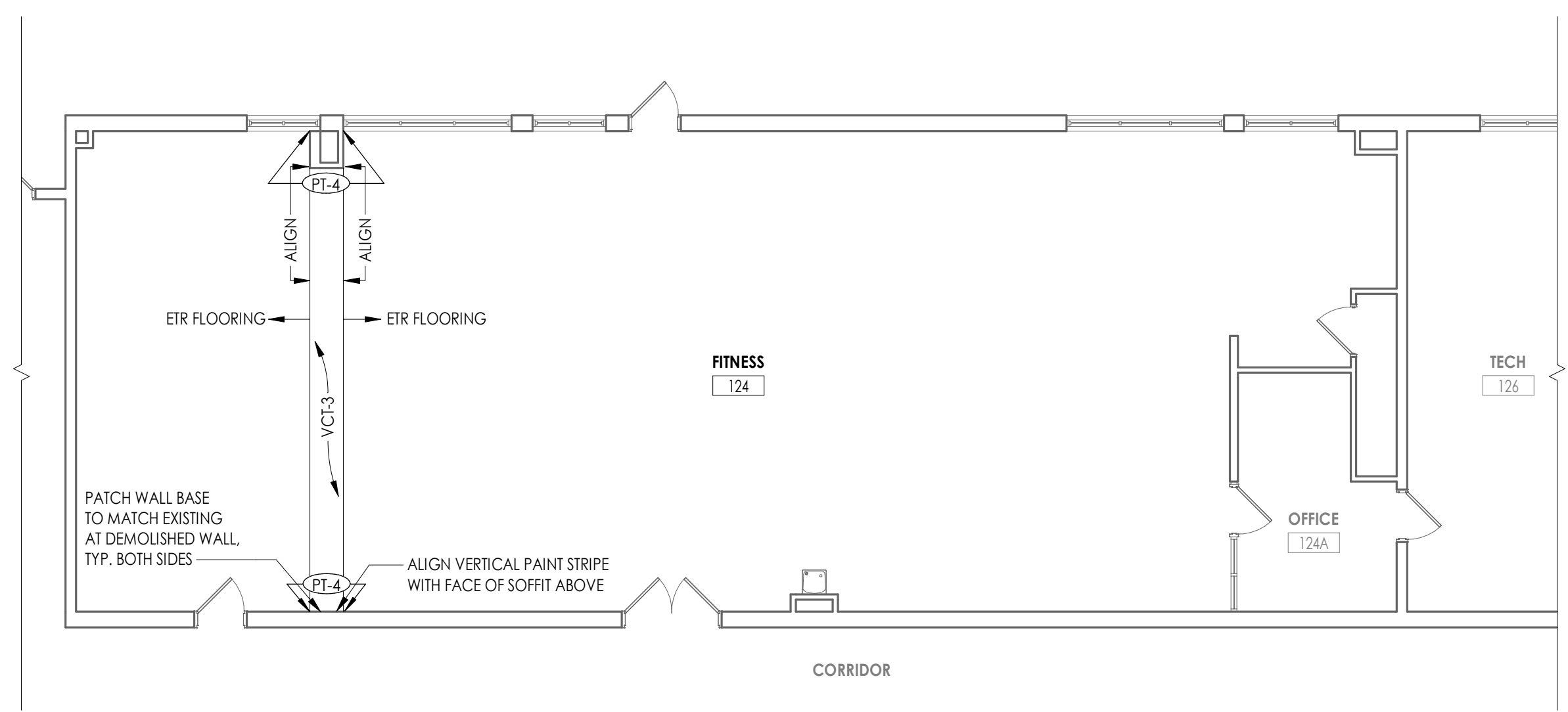
DOOR	DOOR TARGET, SEE SCHEDULE	W1	WINDOW TARGET, SEE SCHEDULE
1 A	COLUMN LINE IDENTIFICATION	ROOM NAME HT234.2 150 SF 10'-0" x 19'-0"	ROOM TAG
1 A3.1	SECTION MARK	1 A4.1	DETAIL FOR REFERENCE MARK
3 A301	EXTERIOR ELEVATION MARK		DENOTES FINISH FLOOR GRADE ELEVATION

FLOOR PLAN KEY NOTES

- 1 PATCH PLASTER WALL AS REQ'D AT DEMOLISHED WALLS & CASEWORK
- 2 INFILL WALL OPENING WITH 8" CMU AND PLASTER BOTH SIDES TO MATCH EXISTING. PATCH WALL BASE TO MATCH EXISTING.
- 3 INFILL EXTERIOR MASONRY WALL AT DEMOLISHED UV LOCATIONS. REFER TO DETAIL 1/A800
- 4 REPLACE WINDOW PANEL W/ GLAZING AT EXISTING AC REMOVAL. REFER TO A900
- 5 NEW CASEWORK. REFER TO INTERIOR ELEVATIONS AND A800 SERIES FOR DETAILS.
- 6 PATCH PLASTER WALL AT REMOVALS
- 7 PATCH PLASTER WALL AT DEMOLISHED LIGHT FIXTURE
- 8 PATCH PLASTER WALL AS REQ'D AT DEMOLISHED TRACK
- 9 SMARTBOARD TO BE FURNISHED & INSTALLED BY OWNER. REFER TO T DRAWINGS FOR DATA CONNECTION LOCATIONS.
- 10 LAMINATE GYPSUM WALL BOARD AS SPECIFIED. GYP TO EXTEND 6" MIN. ABOVE FINISHED CEILING.
- 11 NEW HOUSEKEEPING PAD BY GC. REFER TO DETAIL 8/A800

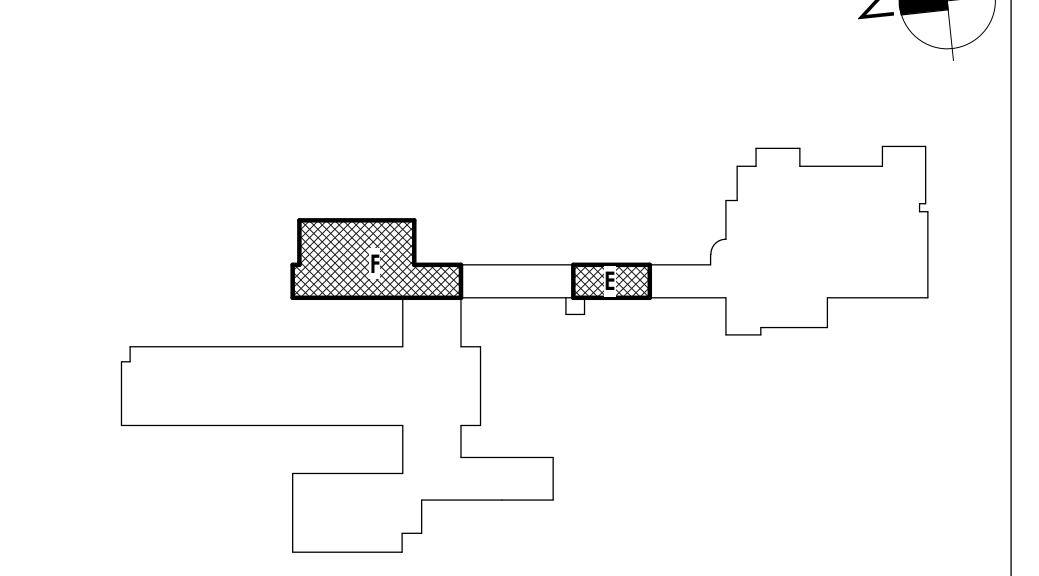


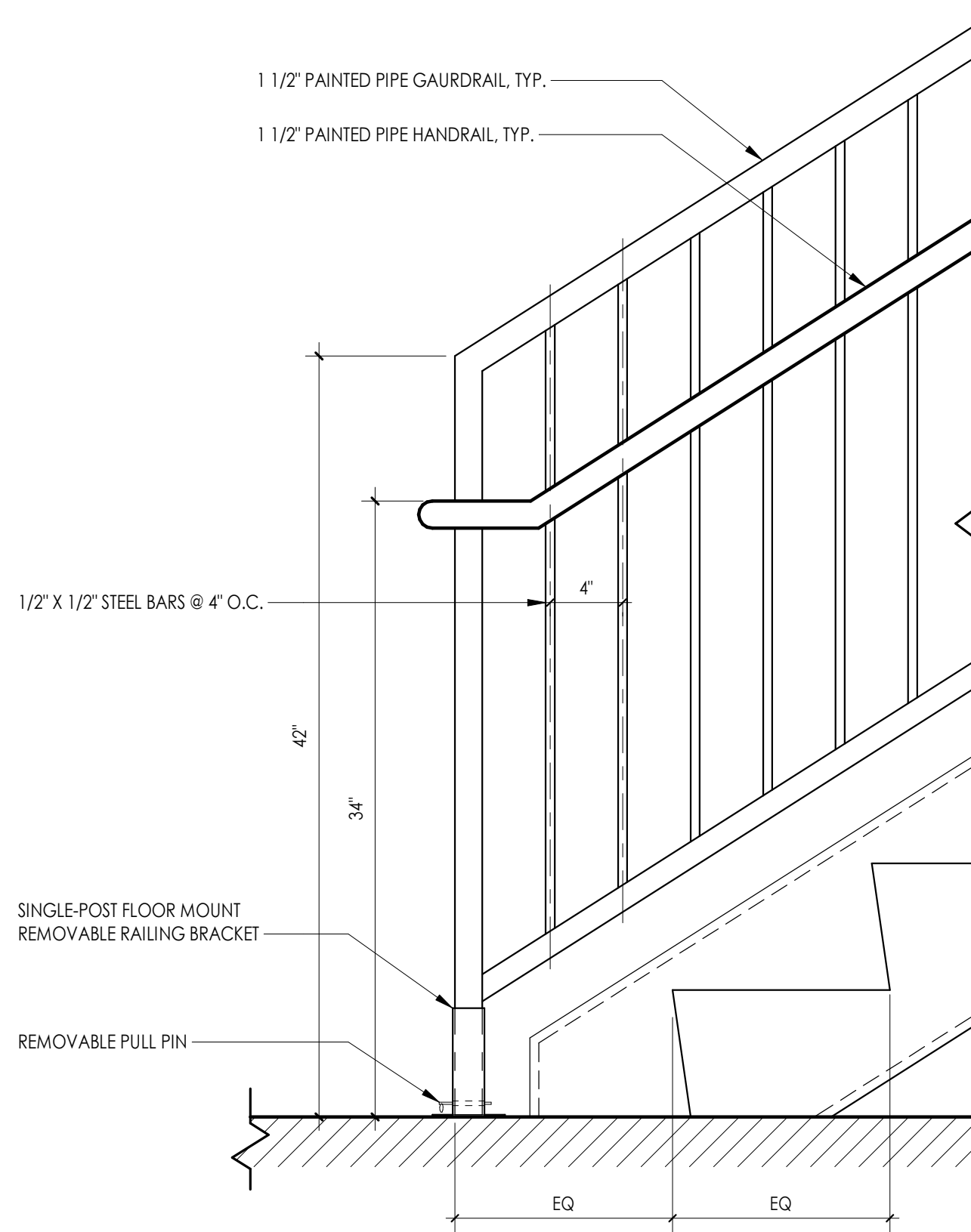
2 AREA F - BOILER ROOM NEW WORK FLOOR PLAN
1/8" = 1'-0"



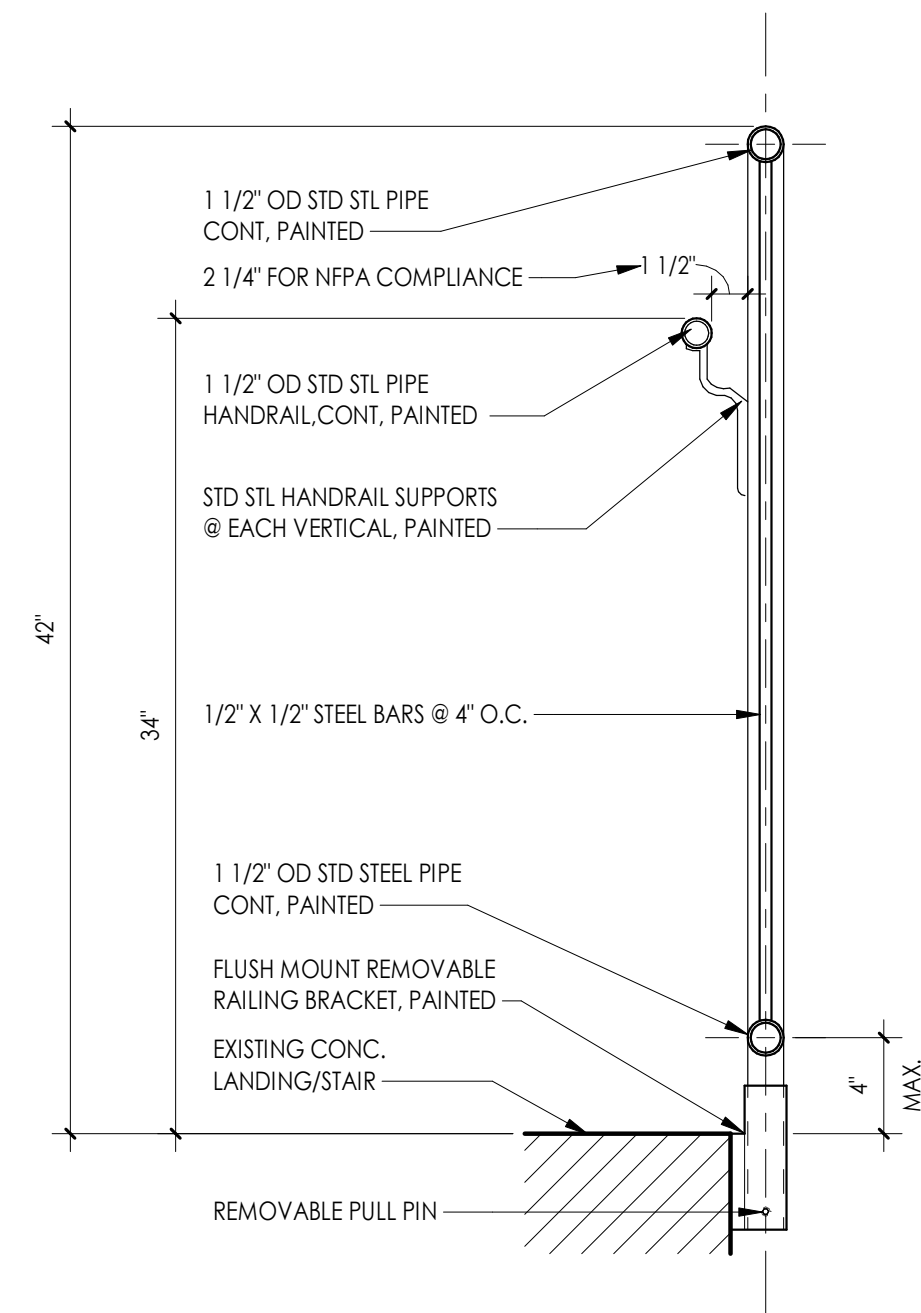
1 AREA E - GROUND FLOOR NEW WORK PLAN - FITNESS ROOM
1/8" = 1'-0"

KEY PLAN:

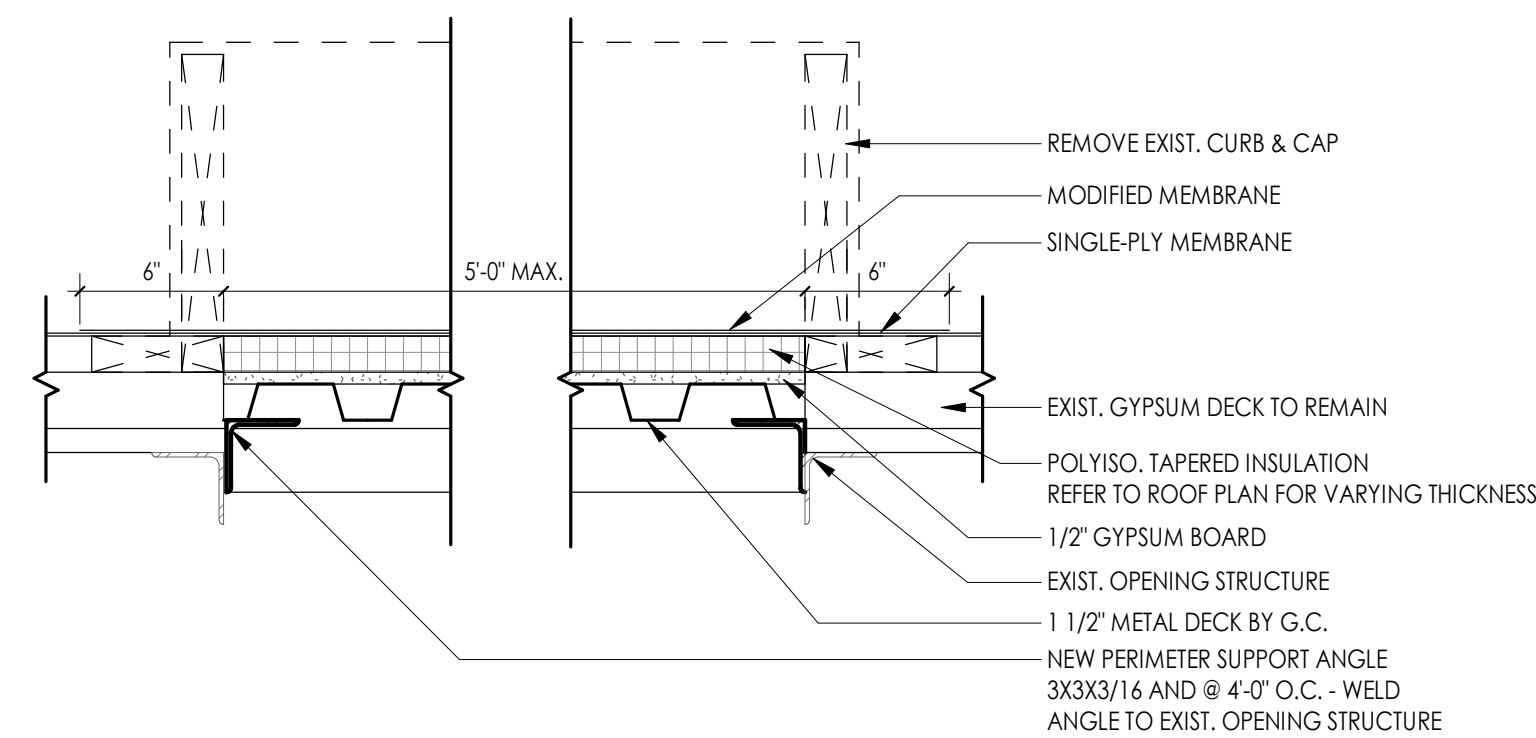




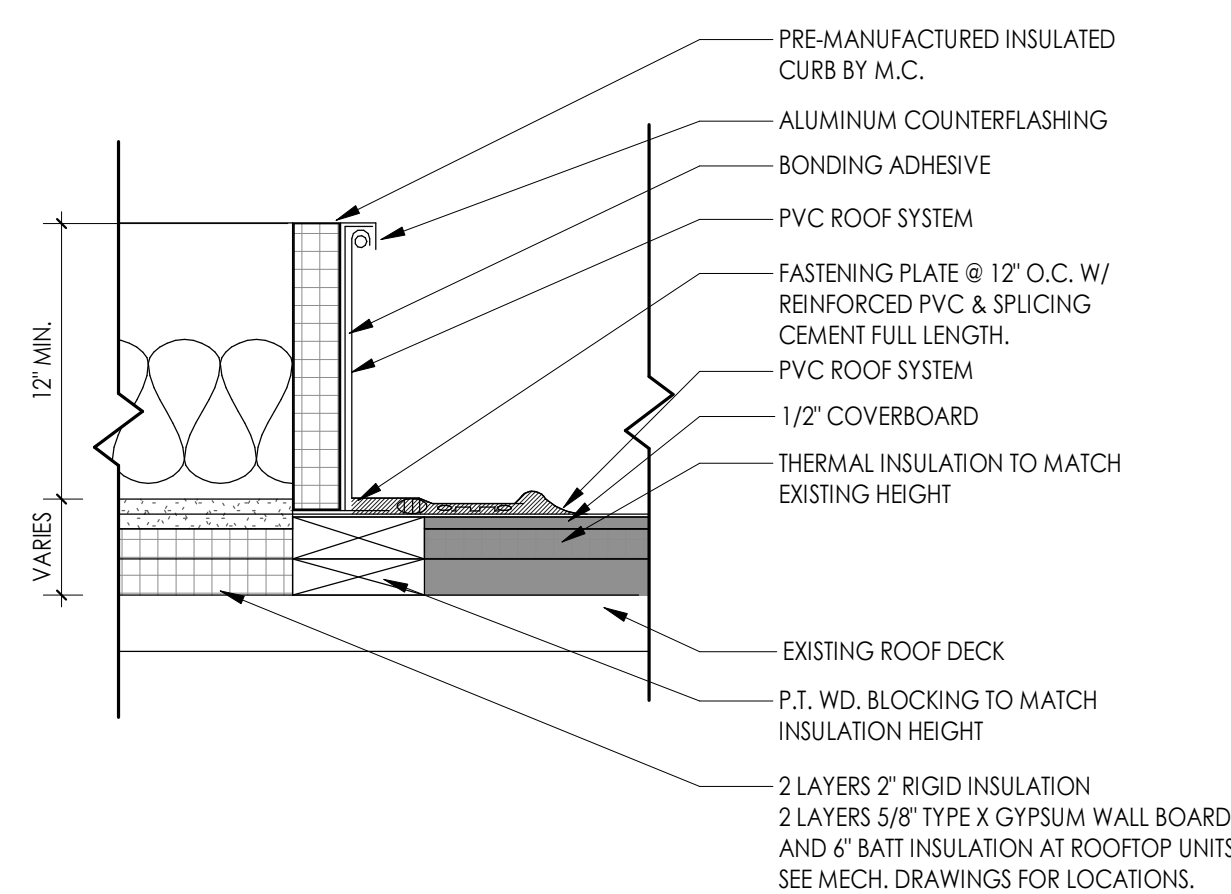
7 BOILER ROOM - ELEVATION OF STAIR END GUARDRAIL W/ HANDRAIL
 1 1/2" = 1'-0"
 A800



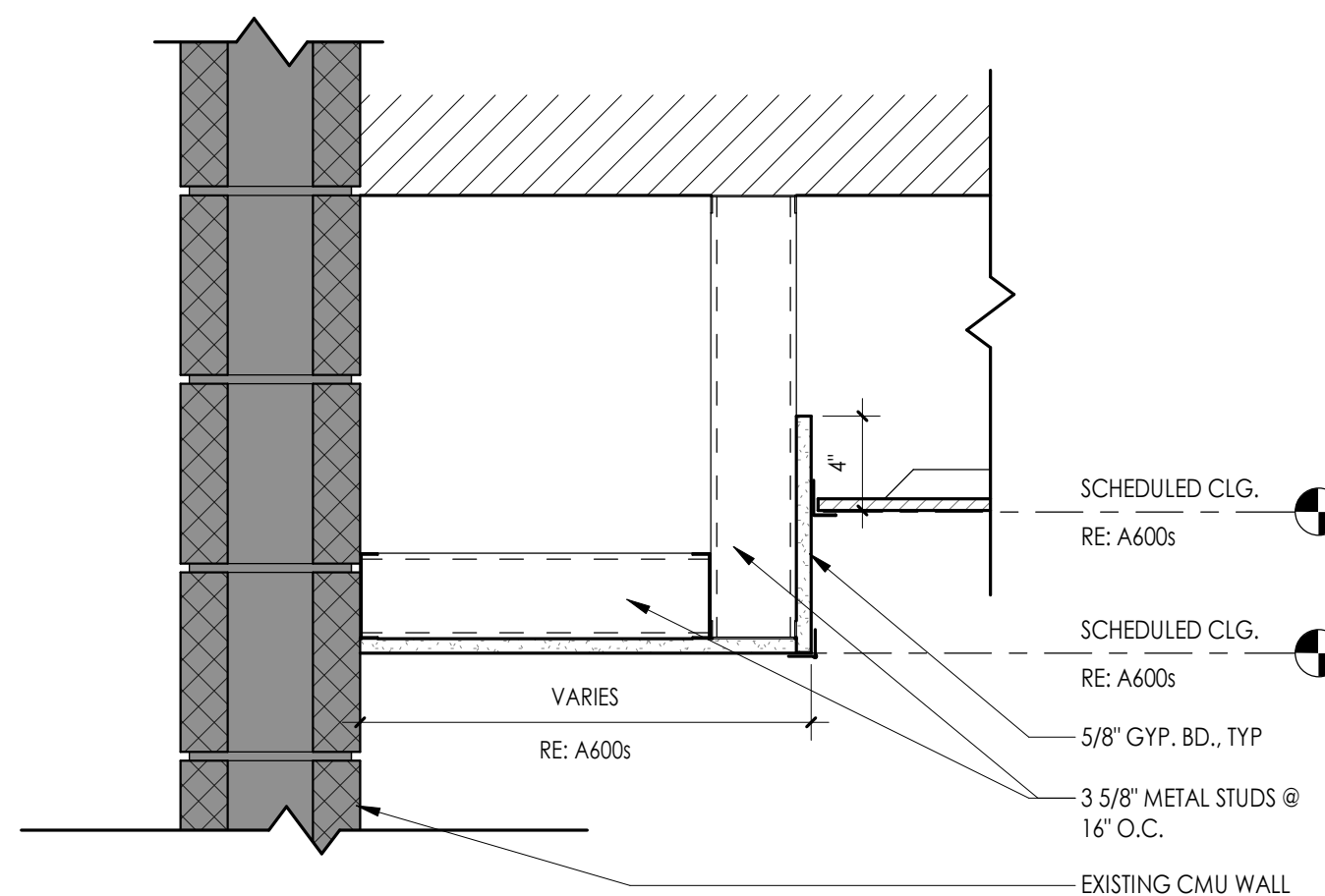
6 BOILER ROOM - SECTION THRU STAIR @ GUARDRAIL W/ HANDRAIL
 1 1/2" = 1'-0"
 A800



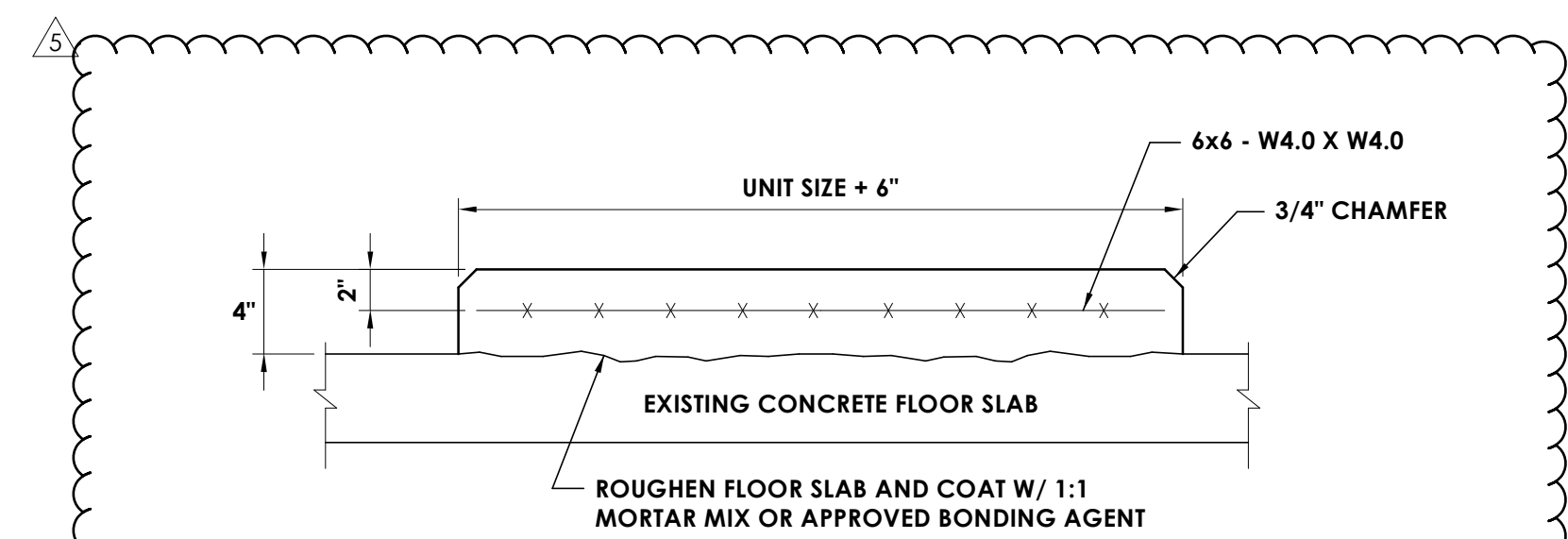
5 TYPICAL ROOF DECK INFILL DETAIL
 1 1/2" = 1'-0"
 A800



3 TYPICAL ROOF CURB DETAIL
 1 1/2" = 1'-0"
 A800



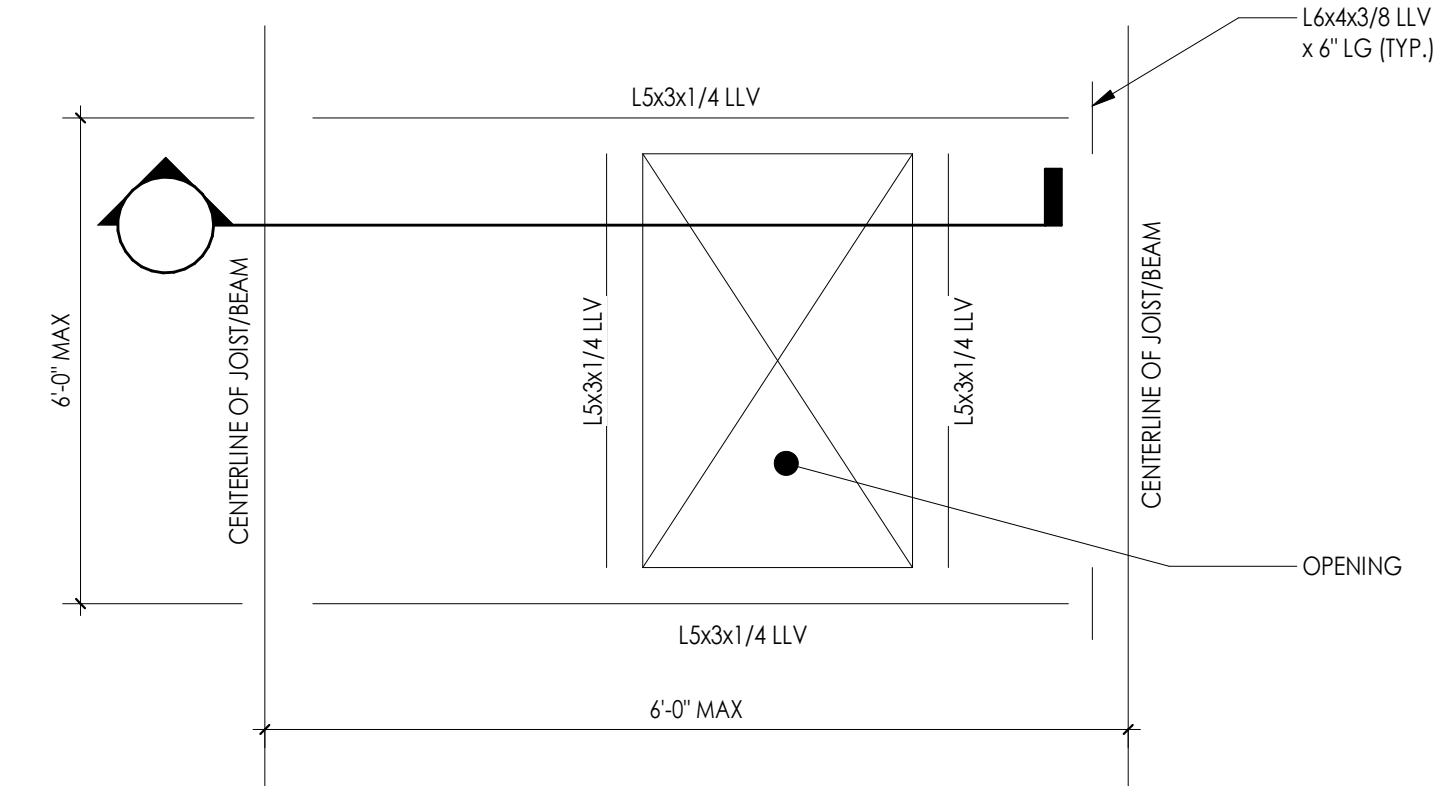
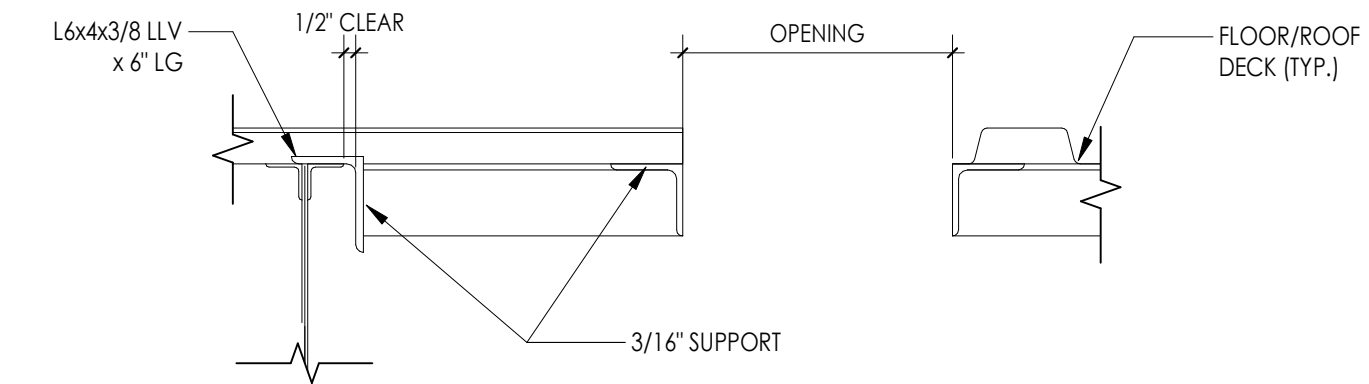
2 TYP. GWB SOFFIT DETAIL @ WALL
 1 1/2" = 1'-0"
 A800



INTERIOR PAD DETAIL FOR LOCATION ON EXISTING CONCRETE FLOOR

NOTE: COORDINATE UNIT SIZE WITH EQUIPMENT SELECTED.

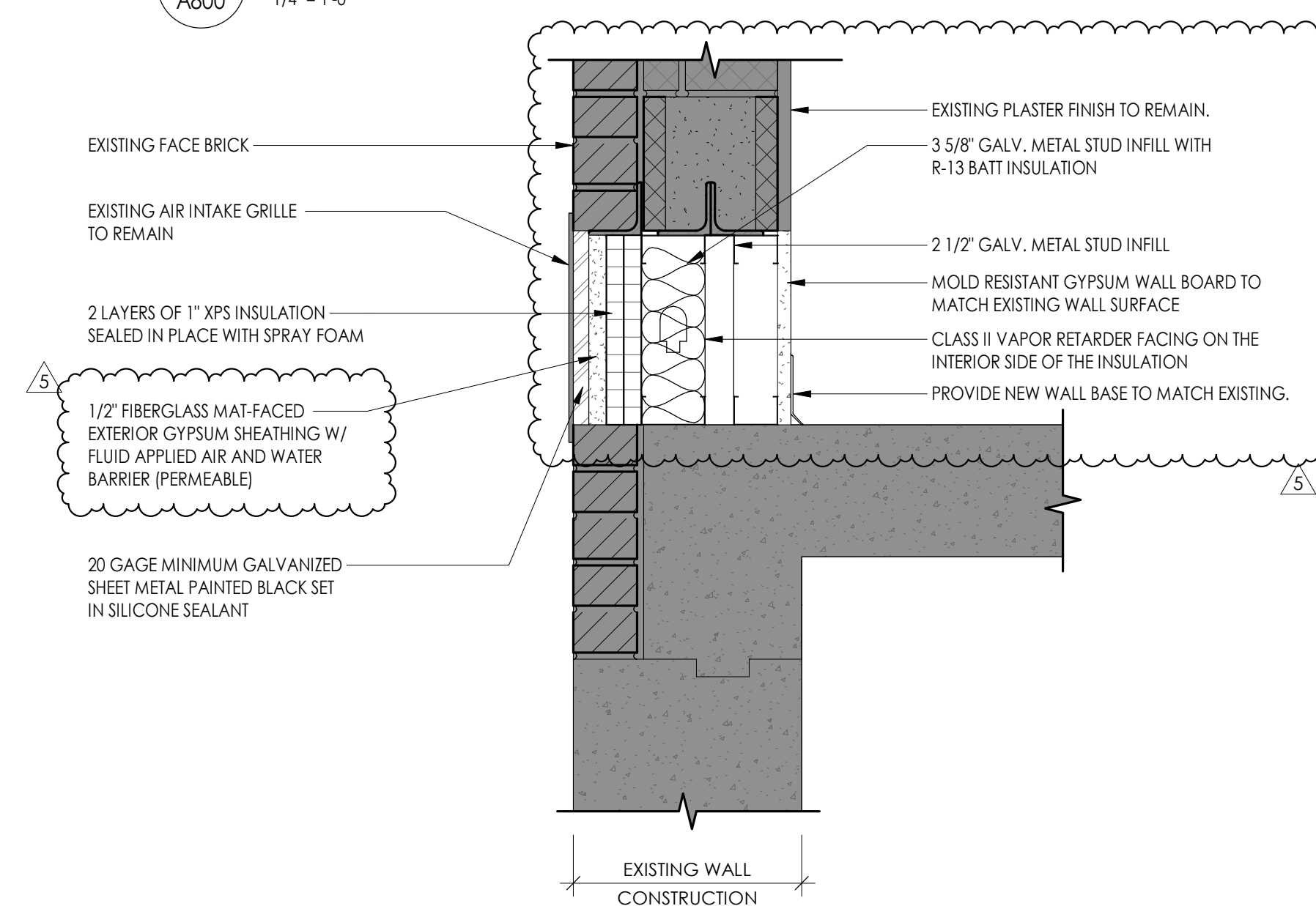
8 EQUIPMENT HOUSE KEEPING PAD
 NOT TO SCALE
 A800



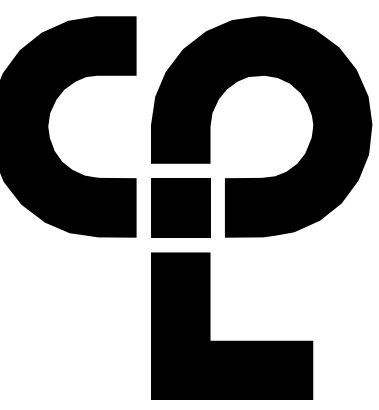
DETAIL NOTES:

1. THE ABOVE STEEL SIZES SHALL BE USED UNLESS NOTED OTHERWISE ON THE PLANS.
2. CONTRACTOR TO COORDINATE EQUIPMENT AND OPENING SUPPORTS WITH MECHANICAL CONTRACTOR AND FINAL APPROVED EQUIPMENT SUBMITTAL.

4 ROOF OPENING SUPPORT DETAIL
 1/4" = 1'-0"
 A800

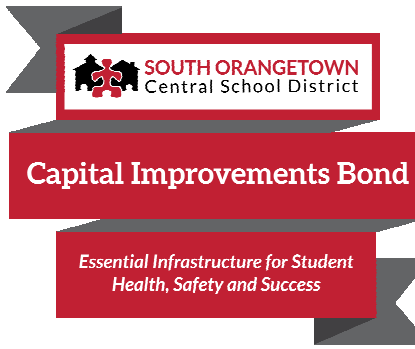


1 EXTERIOR MASONRY INFILL
 1 1/2" = 1'-0"
 A800



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NY ENGINEERING FIRM CERTIFICATE #0021419



PROJECT INFORMATION

Project Number
 R22.14457.20

Client Name
SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT

Project Name
PHASE 2: 2022 BOND

TAPPAN ZEE HIGH SCHOOL

Building Address
 15 DUTCH HILL ROAD, ORANGEBURG, NY 10962

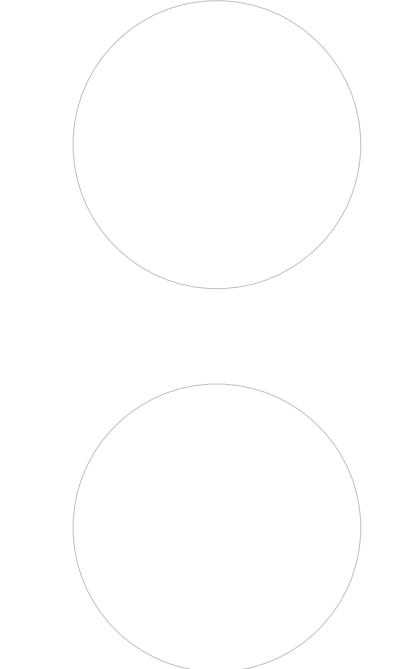
SED # 50-03-01-04-0-004-003

Registration Expiration Dates
 Lauren Tanya 09/30/24
 Anthony Marchetti 05/31/27
 David Hoyt 03/28/25
 Jennifer Wengender 06/30/27

PROJECT ISSUE & REVISION SCHEDULE

5 11/19/2024 BID ADDENDUM #5

PROFESSIONAL STAMPS



NEW FOR DATE EDUCATION STATEMENT

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNDER ANY TITLE, UNDER THE SUPERVISION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER IN ANY MANNER ANY DATA, DRAWING, SPECIFICATION OR ANY INSTRUMENT OF SERVICE, OR ANY PART THEREOF, PREPARED BY HIMSELF OR ANY OTHER PERSON, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT, ENGINEER OR LAND SURVEYOR, AND THE SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SHEET INFORMATION

Issued
 10/25/2024 As indicated

Project Status
 BID DOCUMENTS

Drawn By
 CPL

Checked By
 CPL

Drawing Title
 TYPICAL DETAILS

Drawing Number
 TZHS
 A800

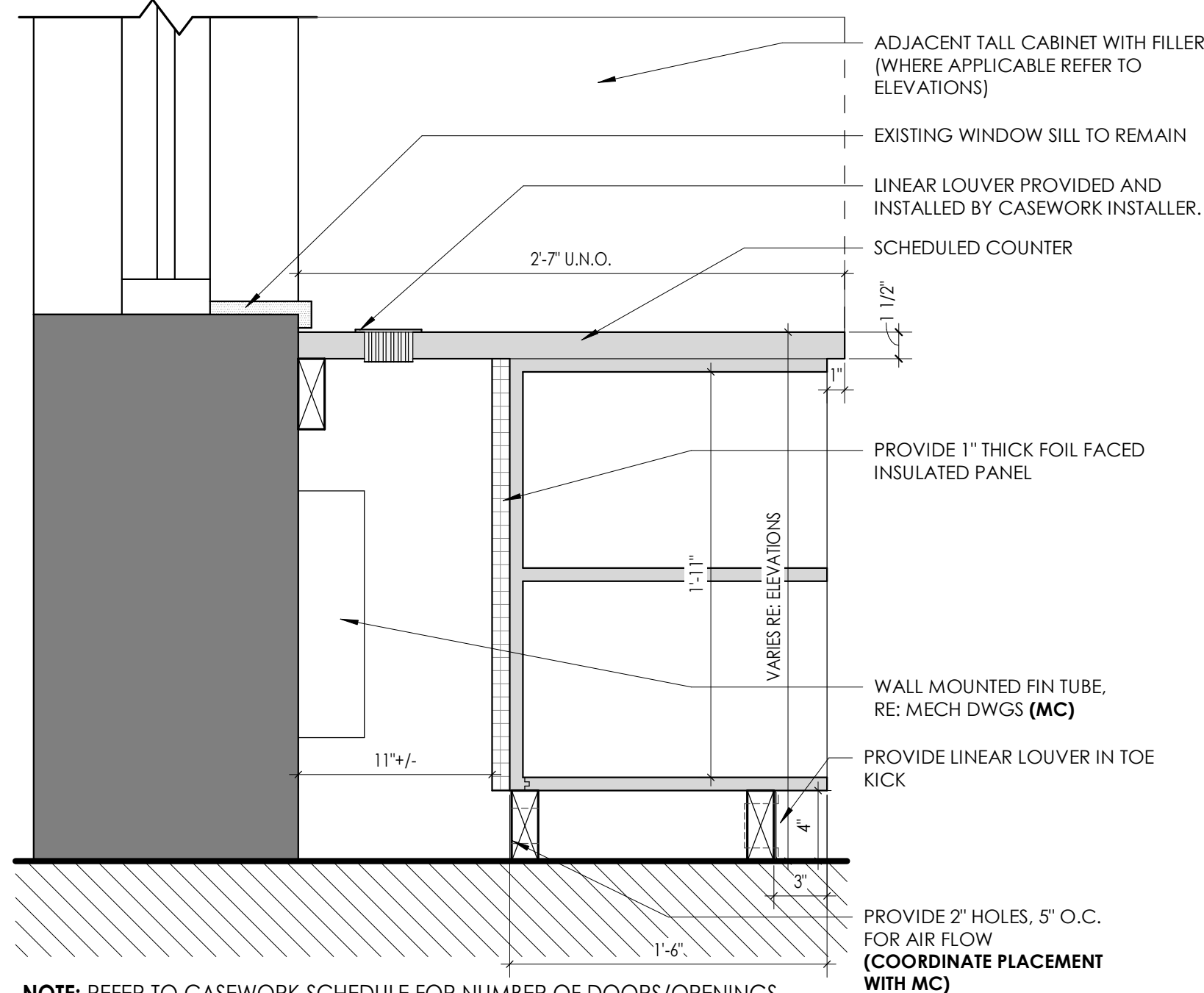
CASEWORK SCHEDULE				
TYPE MARK	DESCRIPTION	DIMENSIONS	PRODUCT #	NOTES
BASE CABINET (BC)				
BC-1	2 DOORS, 1 ADJUSTABLE SHELF	VARIES; REF. A700 SERIES	TMI # B2052	
BC-2	2 EQUAL LATERAL FILE DRAWERS	VARIES; REF. A700 SERIES	TMI # D2804	
CUSTOM (C)				
C-1	2 DOORS, 1 ADJUSTABLE SHELF	VARIES; REF. A700 SERIES	TMI # B2052	REFERENCE TMI PRODUCT FOR DESIGN INTENT; CABINET TO BE CUSTOM 24" HIGH.
C-2	2 EQUAL DRAWERS	VARIES; REF. A700 SERIES	TMI # D2001	REFERENCE TMI PRODUCT FOR DESIGN INTENT; CABINET TO BE CUSTOM 24" HIGH.
METAL CABINET (MC)				
MC-1	OPEN SHELVING, 1 ADJUSTABLE SHELF	36"W x 29"H x 16"D	TRANE # SHL-B-B-1-03	
TALL CABINET (TC)				
TC-1	2 DOOR WARDROBE	VARIES; REF. A700 SERIES	TMI # T2586, TMI # 2590	REFER TO ELEVATIONS FOR LEFT OR RIGHT WARDROBE PLACEMENT
TC-2	NOT USED	NOT USED	NOT USED	NOT USED
TC-3	ADJUSTABLE OPEN SHELVING	VARIES; REF. A700 SERIES	TMI # T1100	

CASEWORK GENERAL NOTES:

***NOTE:**
1. ALL CASEWORK WITH DOORS/ DRAWERS TO RECEIVE LOCKS PER OWNER REQUEST. OWNER IS RESPONSIBLE FOR KEYING.

NOTE: CASEWORK BY OWNER (PROVIDE AND INSTALL), SHOWN FOR REFERENCE ONLY. ALL TRADES TO COORDINATE WITH CASEWORK CONTRACTOR AS REQUIRED.

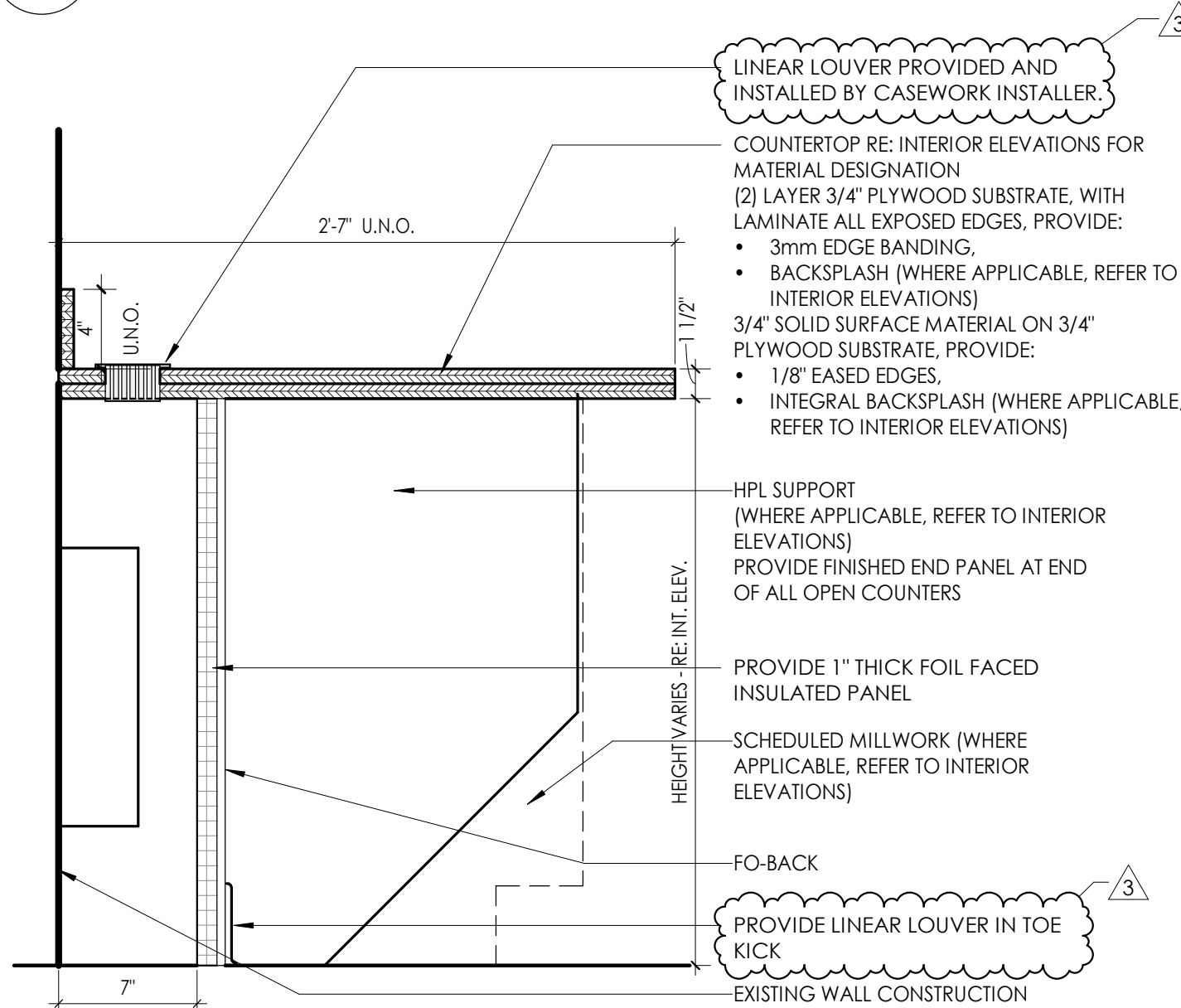
****ALL WORK PERTAINS TO CASEWORK CONTRACTOR UNLESS NOTED OTHERWISE (GC= GENERAL CONTRACTOR RESPONSIBILITY AND MC=MECHANICAL CONTRACTOR)****



NOTE: REFER TO CASEWORK SCHEDULE FOR NUMBER OF DOORS/OPENINGS REQUIRED, VARIES.

5 BASE CABINET W/ FIN TUBE VENTILATION

A801 1 1/2" = 1'-0"

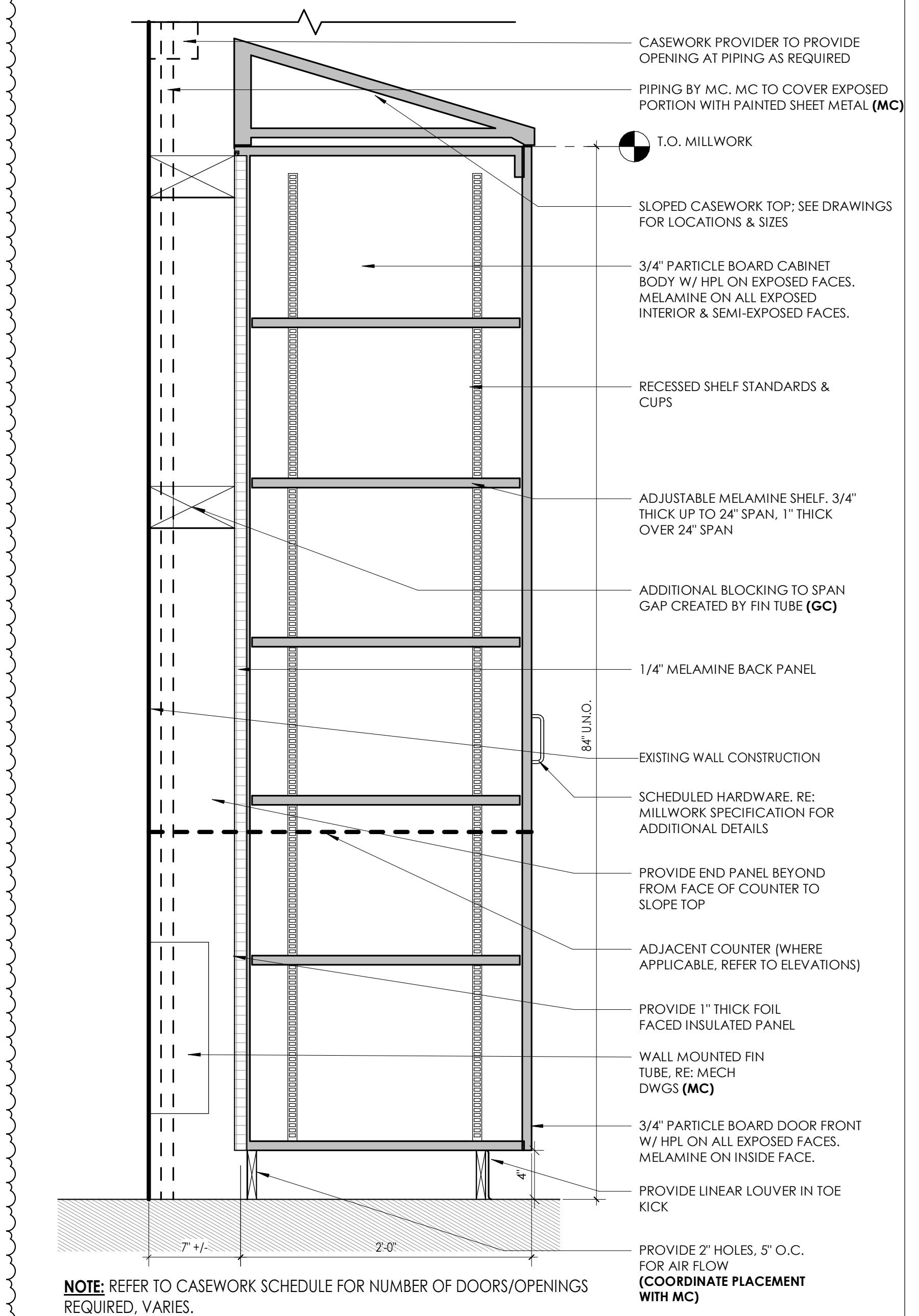


****ALL WORK PERTAINS TO CASEWORK CONTRACTOR UNLESS NOTED OTHERWISE (GC= GENERAL CONTRACTOR RESPONSIBILITY)****

4 TYPICAL LAMINATE WORKSURFACE SECTION

A801 1 1/2" = 1'-0"

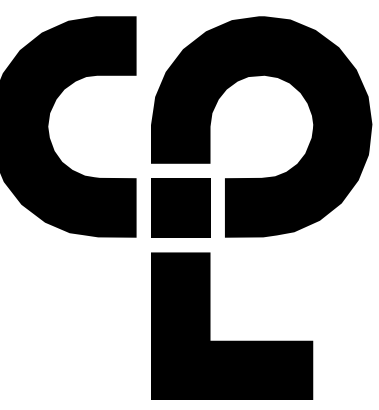
****ALL WORK PERTAINS TO CASEWORK CONTRACTOR UNLESS NOTED OTHERWISE (GC= GENERAL CONTRACTOR RESPONSIBILITY AND MC=MECHANICAL CONTRACTOR)****



NOTE: REFER TO CASEWORK SCHEDULE FOR NUMBER OF DOORS/OPENINGS REQUIRED, VARIES.

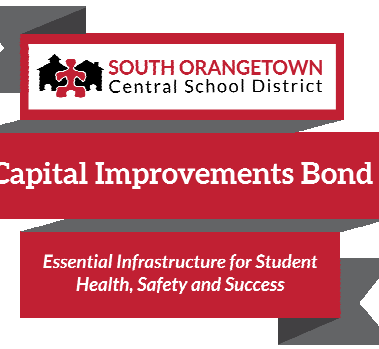
1 TALL CABINET W/ FIN TUBE VENTILATION

A801 1 1/2" = 1'-0"



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NY ENGINEERING FIRM CERTIFICATE #0021419



PROJECT INFORMATION

Project Number
R22.14457.20

Client Name
SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT

Project Name
PHASE 2: 2022 BOND

TAPPAN ZEE HIGH SCHOOL

Building Address
15 DUTCH HILL ROAD, ORANGETOWN, NY 10962

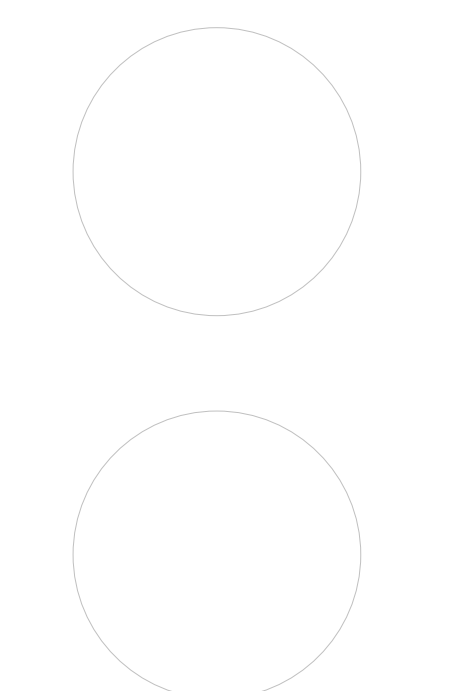
SED # 20-03-01-04-0-004-003

Registration Expiration Dates
Loreen Tarras 05/30/24
Anthony Marchetti 05/31/27
Doree Hoff 05/28/25
Jennifer Wengender 06/30/27

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
1		Issue
2	11/04/2024	BID ADDENDUM #2
3	11/08/2024	BID ADDENDUM #3
5	11/19/2024	BID ADDENDUM #5

PROFESSIONAL STAMPS



NEW FOR DATE REVISION STATEMENT
IF A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON UNDER THE SUPERVISION OR DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR TO ALTER AN INSTRUMENT IN ANY WAY, IF AN INSTRUMENT BEING THE WORK OF AN ARCHITECT, ENGINEER OR LAND SURVEYOR IS ISSUED, THE ARCHITECT, ENGINEER OR LAND SURVEYOR SHALL SIGN AND DATE THE INSTRUMENT, AND A PRECISE DESCRIPTION OF THE VIOLATION.

SHEET INFORMATION

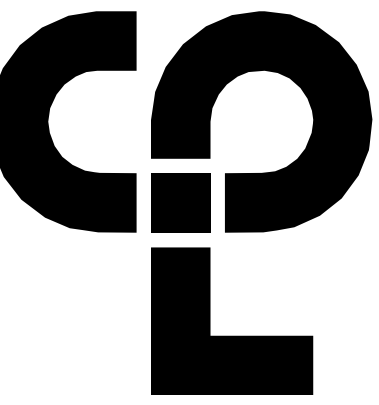
Issued 10/25/2024 Scale As indicated

Project Status BID DOCUMENTS

Drawn By CPL Checked By CPL

Drawing Title MISC. DETAILS

Drawing Number TZHS A801



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Poughkeepsie, NY 12601
CPLteam.com

NY ENGINEERING FIRM CERTIFICATE #0021419



Capital Improvements Bond

Essential Infrastructure for Student
Health, Safety and Success

PROJECT INFORMATION

Project Number
R22.14457.20

Client Name
SOUTH ORANGETOWN CENTRAL
SCHOOL DISTRICT

Project Name
PHASE 2: 2022 BOND

TAPPAN ZEE HIGH SCHOOL

Building Address
15 DUTCH HILL ROAD, ORANGEBURG, NY
10962

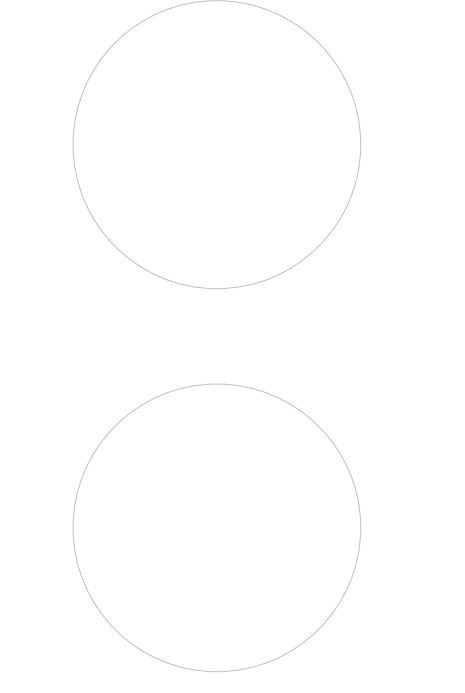
SED # 20-03-01-04-0-004-003

Registration Expiration Dates
Loreen Tanna 05/30/24
Anthony Marchetti 05/31/27
Diane Hoff 02/28/25
Jennifer Wengender 06/30/27

PROJECT ISSUE & REVISION SCHEDULE

Issue Description
2 11/04/2024 BID ADDENDUM #2
5 11/19/2024 BID ADDENDUM #5

PROFESSIONAL STAMPS



NEW YORK STATE EDUCATION STATUTE
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ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER IN ANY WAY, BY ANY MEANS,
BEARING THE SEAL OF HIS PROFESSION, LICENSE OR CERTIFICATE, ANY DRAWING,
PLAN, SPEC, MAP OR OTHER INSTRUMENT, RECORD OR INSTRUMENT, INCLUDING
THIS SIGNATURE AND THE DATE OF SUCH SIGNATURE, AND A SPECIFIC DESCRIPTION OF THE
VIOLATION.

SHEET INFORMATION

Issued 10/25/2024 Scale As indicated
Project Status BID DOCUMENTS
Drawn By AD Checked By AS
Drawing Title AREA C FINISH FLOOR PLAN

Drawing Number



FINISH PLAN GENERAL NOTES

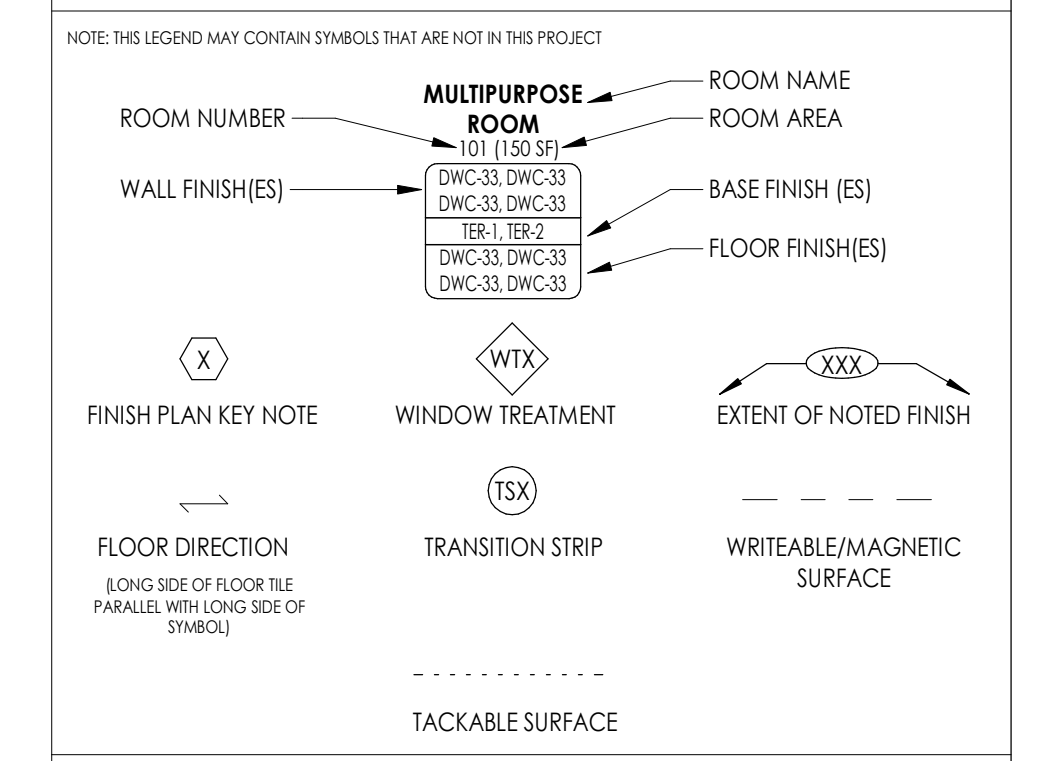
1. ALL NEW AND EXISTING HOLLOW METAL DOORS, DOOR FRAMES IN PROJECT SCOPE SHALL BE PAINTED (PT-1) ON BOTH SIDES, UNLESS NOTED OTHERWISE.
2. ALL LOUVERS, VENTS, GRILLES AND OTHER MISCELLANEOUS MECHANICAL AND ELECTRICAL DEVICES ARE TO BE PAINTED TO MATCH THE SURFACE ON WHICH THEY APPEAR, UNLESS NOTED OTHERWISE.
3. REFER TO A600 SERIES DRAWINGS FOR CEILING TYPES AND SOFFIT FINISHES.
4. UNDERSIDE OF SOFFITS TO MATCH FACE OF SOFFIT. SEE A600 SERIES FOR PAINT ACCENT SPECIFICATIONS.
5. PAINT CHALK CEILINGS (PT-3), UNLESS NOTED OTHERWISE.
6. REFER TO A700 SERIES INTERIOR ELEVATIONS FOR MILLWORK FINISHES.
7. HIGH PRESSURE PLASTIC LAMINATE ON VERTICAL SURFACES TO RUN VERTICALLY, UNLESS NOTED OTHERWISE.
8. WHERE KICKSPACES OCCUR AT MILLWORK, FLOOR FINISH SHOWN ON PLANS SHALL RUN UNDERNEATH KICKSPACE AS WELL.
9. ALL FLOOR FINISHES SHALL TRANSITION AT THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE. INSTALL TRANSITION STRIPS PER DETAILS ON 1000.
10. PROVIDE CONCRETE FLOOR PREPARATION IN ACCORDANCE WITH FLOORING MANUFACTURER SPECIFICATION.

FINISH ABBREVIATIONS

NOTE: THIS LEGEND MAY CONTAIN ABBREVIATIONS THAT ARE NOT IN THIS PROJECT

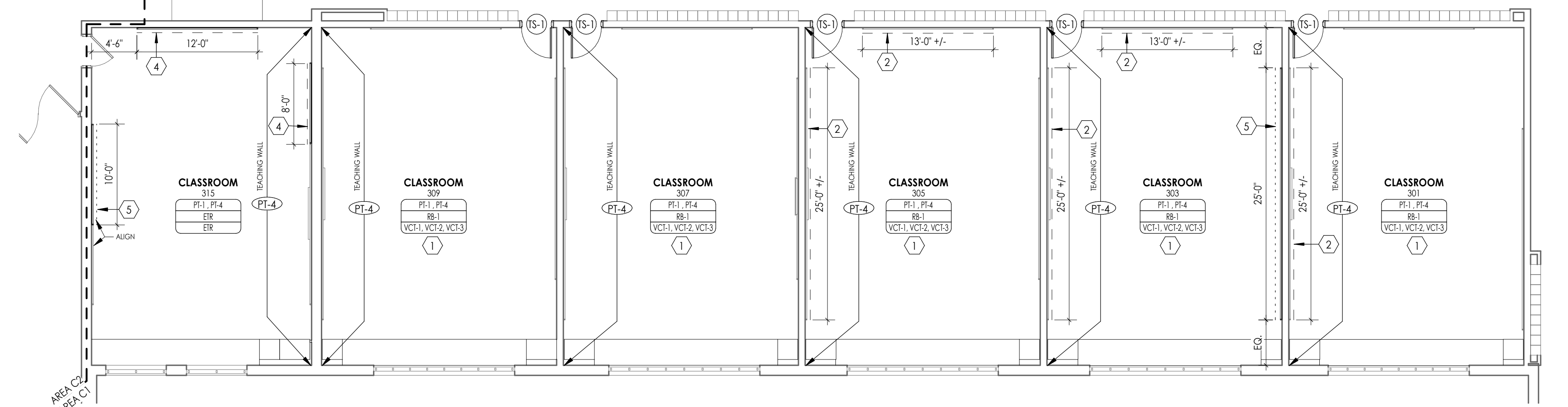
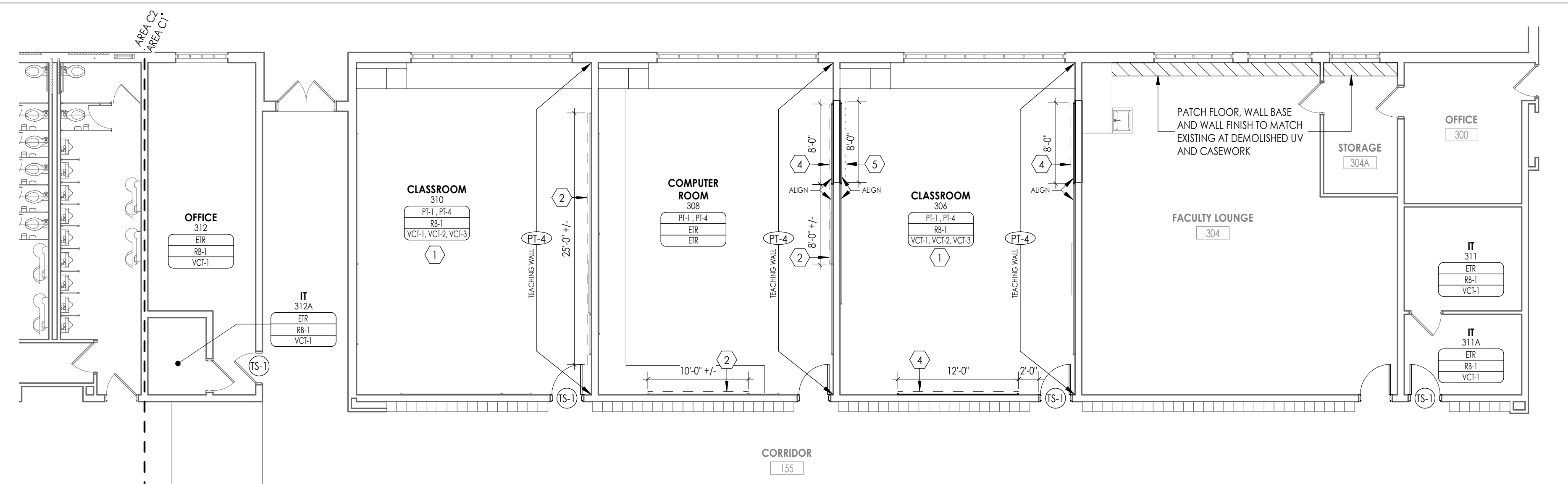
ACT	ACOUSTICAL CEILING TILE	SCON	SEALED CONCRETE
AWP	ACOUSTICAL WALL PANEL	SSM	SOLID SURFACE MATERIAL
CPT	CARPET	TAS	TACKABLE SURFACE
ETR	EXISTING TO REMAIN	TR	TRIM
EXP	EXPOSED	TS	TRANSITION STRIP
HPL	HIGH PRESSURE PLASTIC LAMINATE	VCT	VINYL COMPOSITION TILE
INT	INTEGRAL	WC	WALL COVERING
PT	PAINT	WD	WOOD
PIM	PATCH TO MATCH	WOM	WALK OFF MAT
RB	RESILIENT BASE	WS	WRITEABLE SURFACE
RT	RUBBER TILE	WT	WINDOW TREATMENT

FINISH PLAN SYMBOLS LEGEND

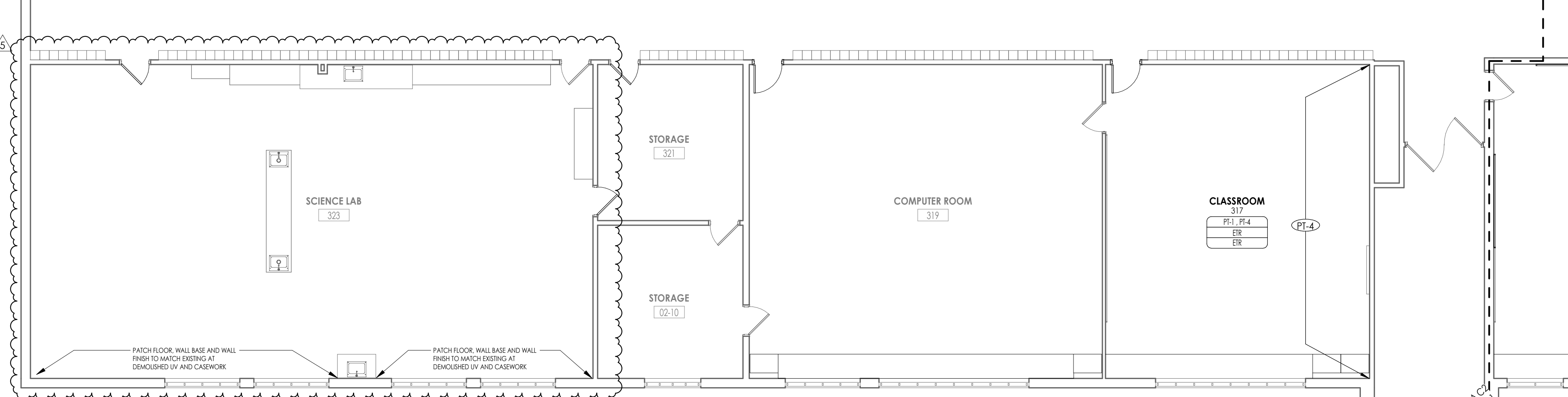
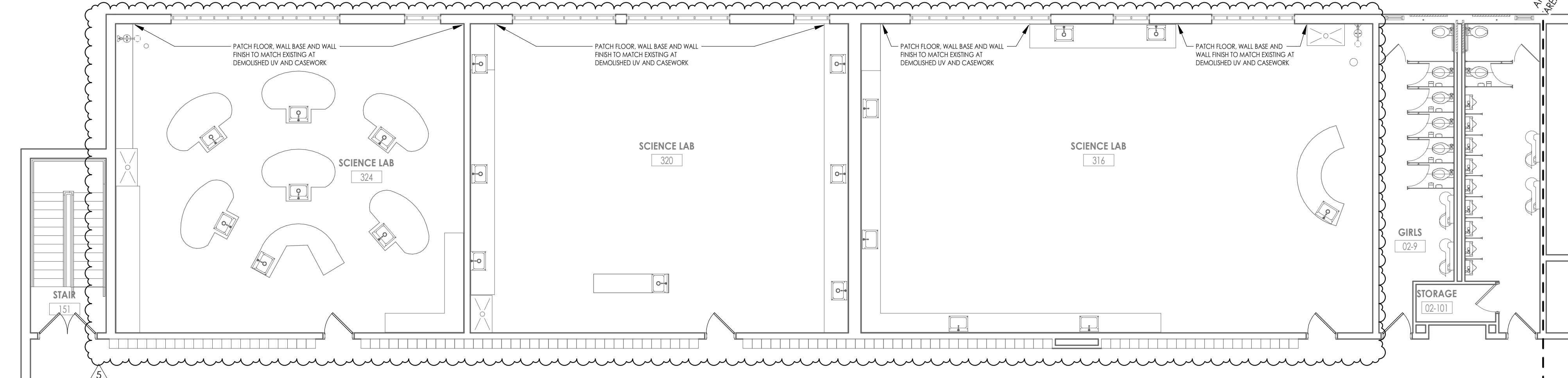


FINISH PLAN KEY NOTES

1. PROVIDE 3-COLOR VCT FLOOR PATTERN WITH RESILIENT BASE. REFER TO 1300 SERIES FOR DETAILS.
2. PROVIDE WRITEABLE/MAGNETIC SURFACE (WS-1) ON ETR CHALKBOARD. VERIFY DIMENSIONS IN FIELD.
3. PROVIDE TACKABLE SURFACE (TAS-1) ON ETR CHALKBOARD. VERIFY DIMENSIONS IN FIELD.
4. PROVIDE NEW WRITEABLE/MAGNETIC SURFACE (WS-1) AT EXTENTS SHOWN, MOUNT 2'-6" A.F.F.
5. PROVIDE NEW TACKABLE SURFACE (TAS-1) EXTENT SHOWN, 2'6" A.F.F.
6. ETR WOOD PANELING ALONG TOP OF WALL TO RECEIVE PT-1, FULL EXTENT OF ROOM.

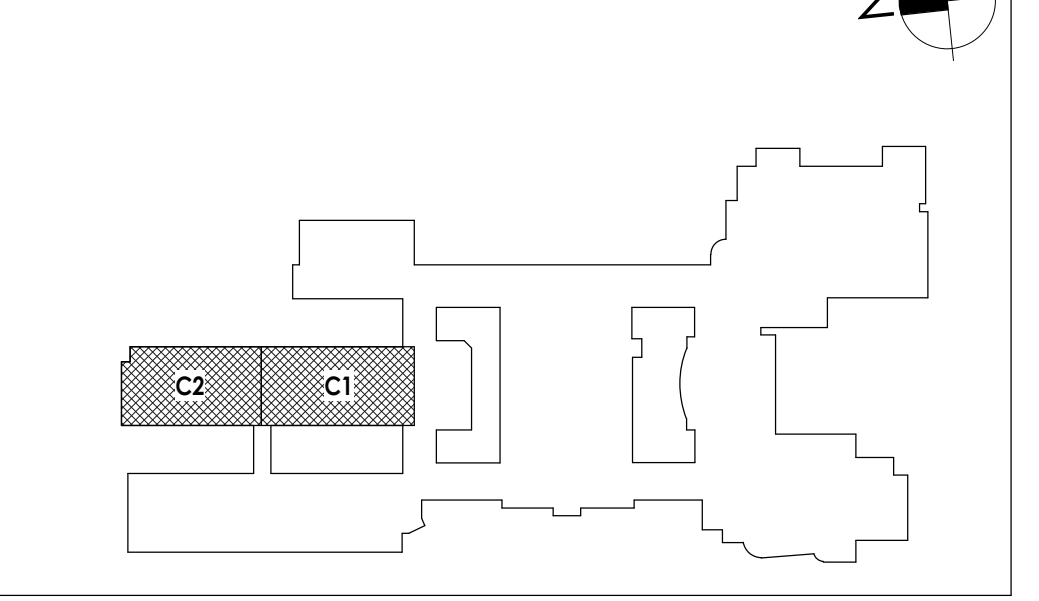


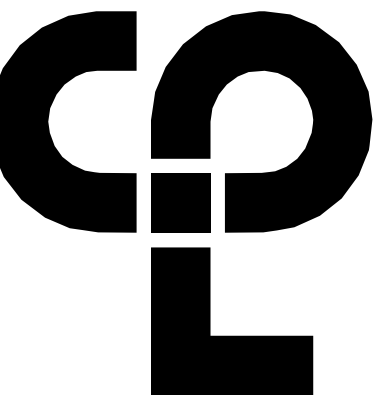
1 AREA C1 - FINISH FLOOR PLAN
1/8" = 1'-0"



2 AREA C2 - FINISH FLOOR PLAN
1/8" = 1'-0"

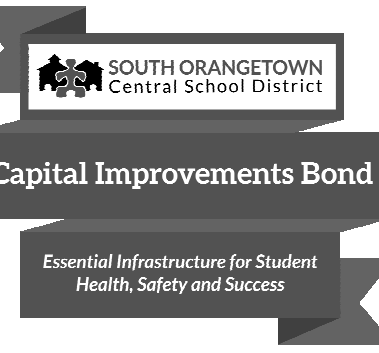
KEY PLAN:





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26 IBM Road
Poughkeepsie, NY 12601
CPLearn.com

NY ENGINEERING FIRM CERTIFICATE #0021419



PROJECT INFORMATION

Project Number
14457.20
Client Name
SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
Project Name
PHASE 2: 2022 BOND

TAPPAN ZEE HIGH SCHOOL
Building Address
160 VAN WYCK RD., BLAUVELT, NY 10913

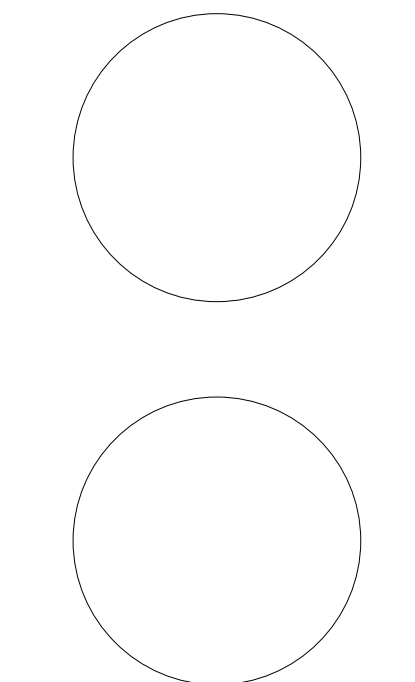
SD # 20-03-01-04-0-004-033

Preparation/Revision Dates
Loreen Tanna 05/20/24
Anthony Marchetti 05/31/27
Dave Hoff 07/28/25
Jennifer Wengender 06/30/27

PROJECT ISSUE & REVISION SCHEDULE

Issue Description
5 11/19/24 BID ADDENDUM #5

PROFESSIONAL STAMPS



NEW YORK STATE EDUCATION EXAMINER

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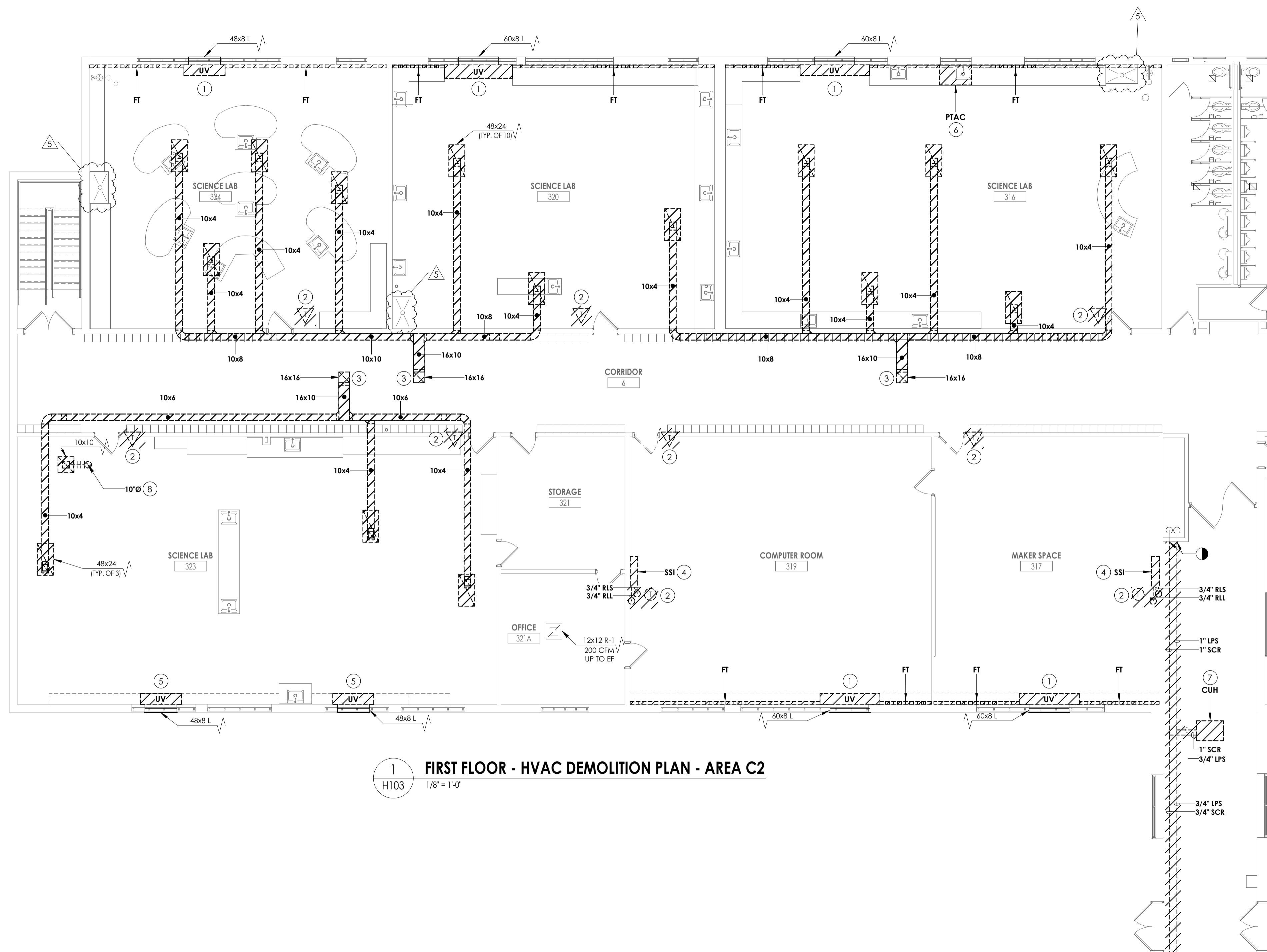
SHEET INFORMATION

Issued 10/25/2024 Scale 1/8" = 1'-0"
Project Status
BID DOCUMENTS
Drawn By KCM Checked By JJM
Drawing Title
FIRST FLOOR DEMOLITION PLAN - AREA C2

Drawing Number
TZHS H103

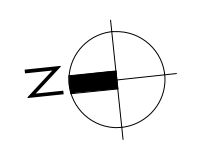
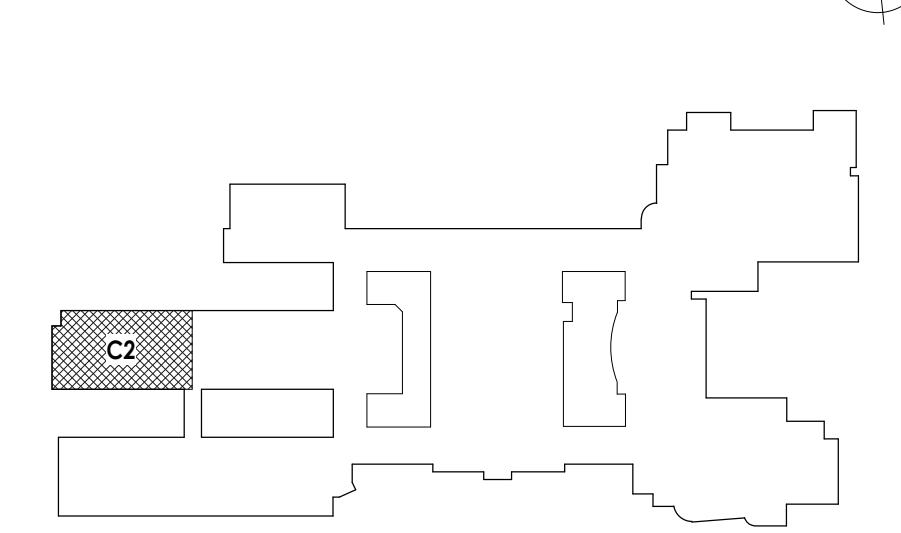
KEY NOTES

- 1 REMOVE EXISTING UNIT VENTILATOR AND FINITUBE. REMOVE PIPING TO LOWER LEVEL. LOUVER AND SLEEVE TO REMAIN. REFER TO ARCHITECTURAL PLANS.
- 2 REMOVE EXISTING TEMPERATURE SENSORS AND WIRING BACK TO CONTROL HEAD END. PREPARE FOR NEW WORK.
- 3 NOT USED.
- 4 REMOVE EXISTING REFRIGERANT PIPING FROM CONDENSING UNIT ON ROOF TO UNIT IN THE CLASSROOM. PRIOR TO REMOVAL, DRAIN ALL PIPING AND DISPOSE OF ALL REFRIGERANT PER THE LATEST ADAPTED RULES AND REGULATION BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA). CONTRACTOR OR TECHNICIAN PERFORMING THE WORK SHALL BE AN EPA APPROVED AGENCY OR ORGANIZATION. REMOVE EXISTING INDOOR AND OUTDOOR SPLIT SYSTEMS. PATCH CURB WEATHER TIGHT.
- 5 REMOVE UNIT VENTILATOR AND ASSOCIATED PIPING. LOUVER AND SLEEVE TO REMAIN. REMOVE CASEWORK BACK TO FLOOR.
- 6 REMOVE PTAC UNIT IN WINDOW.
- 7 REMOVE CABINET UNIT HEATER AND REMOVE PIPING TO POINT INDICATED.
- 8 REMOVE EXISTING EXHAUST GRILLE AND ASSOCIATED DUCTWORK BACK TO EXHAUST FAN ON THE ROOF.



1 FIRST FLOOR - HVAC DEMOLITION PLAN - AREA C2
H103 1/8" = 1'-0"

KEY PLAN:



11/18/2024 12:07:34 PM <project location>\REVIT PROJECT FILES ON-BIM_360



- KEY NOTES**
- ① REMOVE EXHAUST FAN AND CURB. PREPARE FOR NEW WORK.
 - ② REMOVE EXHAUST FAN AND CURB. COORDINATE WITH GC FOR PATCHING.
 - ③ REMOVE EXISTING REFRIGERANT PIPING FROM CONDENSING UNIT ON ROOF TO UNIT IN THE CLASSROOM. PRIOR TO REMOVAL, DRAIN ALL PIPING AND DISPOSE OF ALL REFRIGERANT PER THE LATEST ADAPTED RULES AND REGULATION BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA). CONTRACTOR OR TECHNICIAN PERFORMING THE WORK SHALL BE AN EPA APPROVED AGENCY OR ORGANIZATION. REMOVE EXISTING INDOOR AND OUTDOOR SPLIT SYSTEMS. PATCH CURB WEATHER TIGHT.



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Poughkeepsie, NY 12601
CPLearn.com

NY ENGINEERING FIRM CERTIFICATE #0021419



Capital Improvements Bond

Essential Infrastructure for Student Health, Safety and Success

PROJECT INFORMATION

Project Number
14457.20

Client Name
SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT

Project Name
PHASE 2: 2022 BOND

TAPPAN ZEE HIGH SCHOOL

Building Address
160 VAN WYCK RD., BLAUVELT, NY 10913

SED # 20-03-01-04-0-004-003

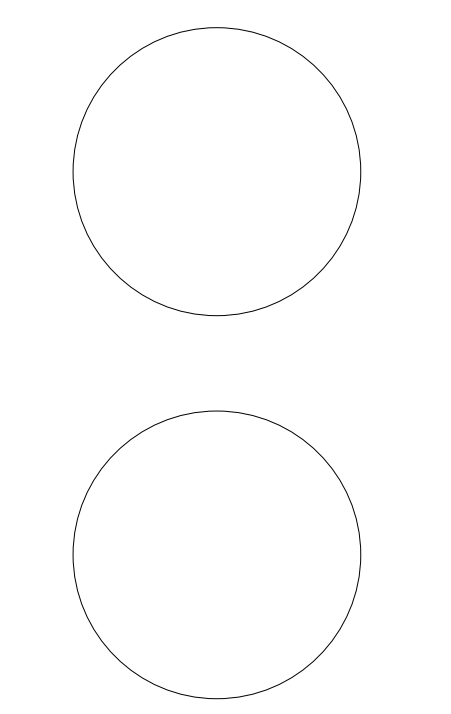
Registration Expiration Dates

Lauren Torpe	05/30/24
Anthony Marchetti	05/31/27
Dave Hoff	02/28/25
Jennifer Wengender	06/30/27

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
5	11/19/24	BID ADDENDUM #5

PROFESSIONAL STAMPS



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SHEET INFORMATION

Issued
10/25/2024

Scale
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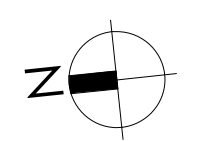
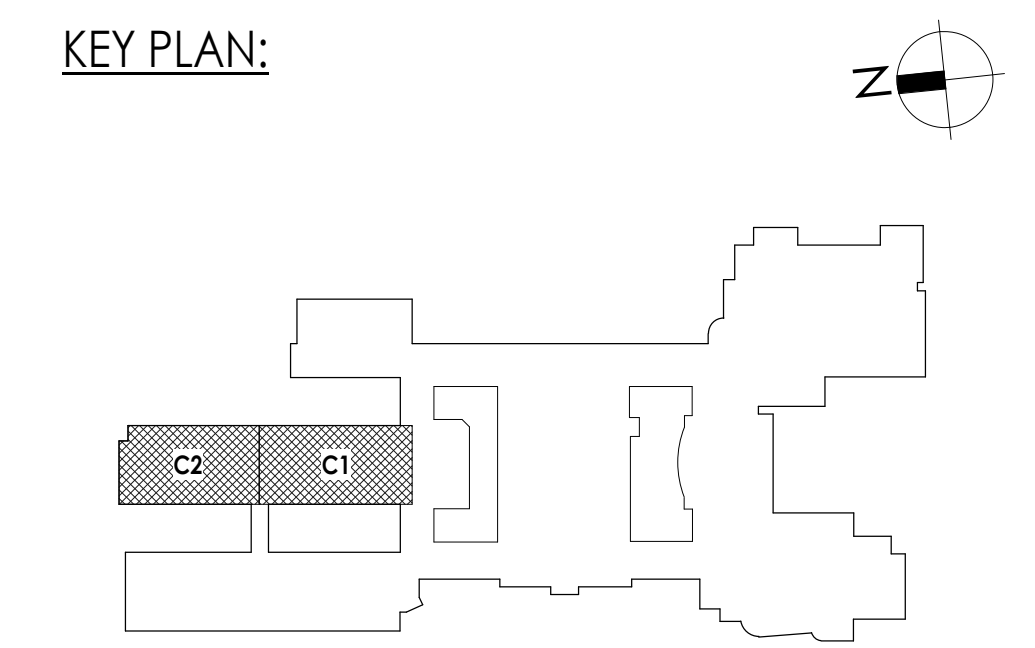
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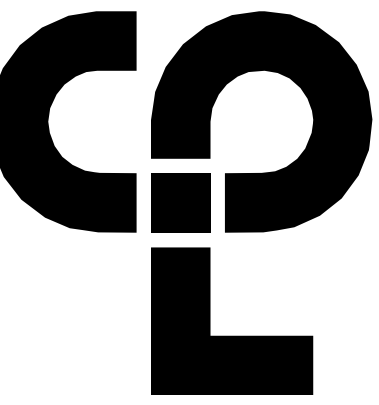
Drawn By
KCM

Checked By
JJM

Drawing Title
ROOF DEMOLITION PLAN - AREA C

Drawing Number
TZHS H112





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Poughkeepsie, NY 12601
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NY ENGINEERING FIRM CERTIFICATE #0021419



PROJECT INFORMATION

Project Number
14457.20
Client Name
SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
Project Name
PHASE 2: 2022 BOND

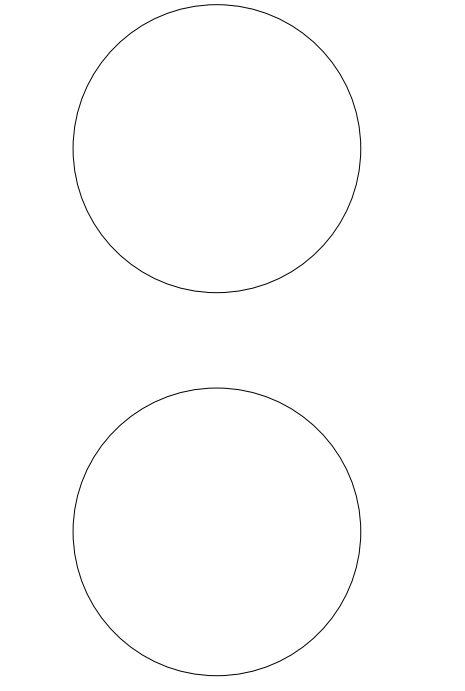
TAPPAN ZEE HIGH SCHOOL
Building Address
160 VAN WYCK RD., BLAUVELT, NY 10913

SED # 20-03-01-04-0-004-003
Preparation/Revision Dates
Loreen Tanna 05/30/24
Anthony Marchetti 05/31/27
Diane Hoff 02/28/25
Jennifer Wengender 06/30/27

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
3	11/08/24	BID ADDENDUM #3
4	11/15/24	BID ADDENDUM #4
5	11/19/24	BID ADDENDUM #5

PROFESSIONAL STAMPS



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SHEET INFORMATION

Issued
10/25/2024
Scale
1/8" = 1'-0"
Project Status
BID DOCUMENTS
Drawn By
KCM
Checked By
JJM
Drawing Title
ROOF DUCTWORK AND PIPING PLANS - AREAS C1 AND C2

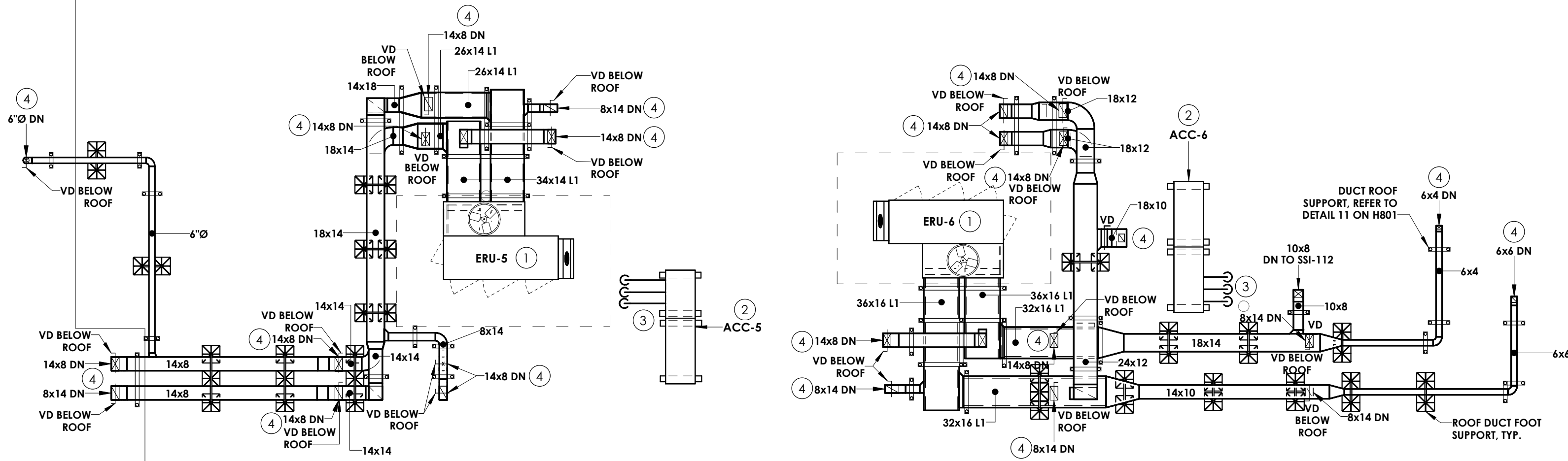
Drawing Number
TZHS H212

GENERAL NOTES

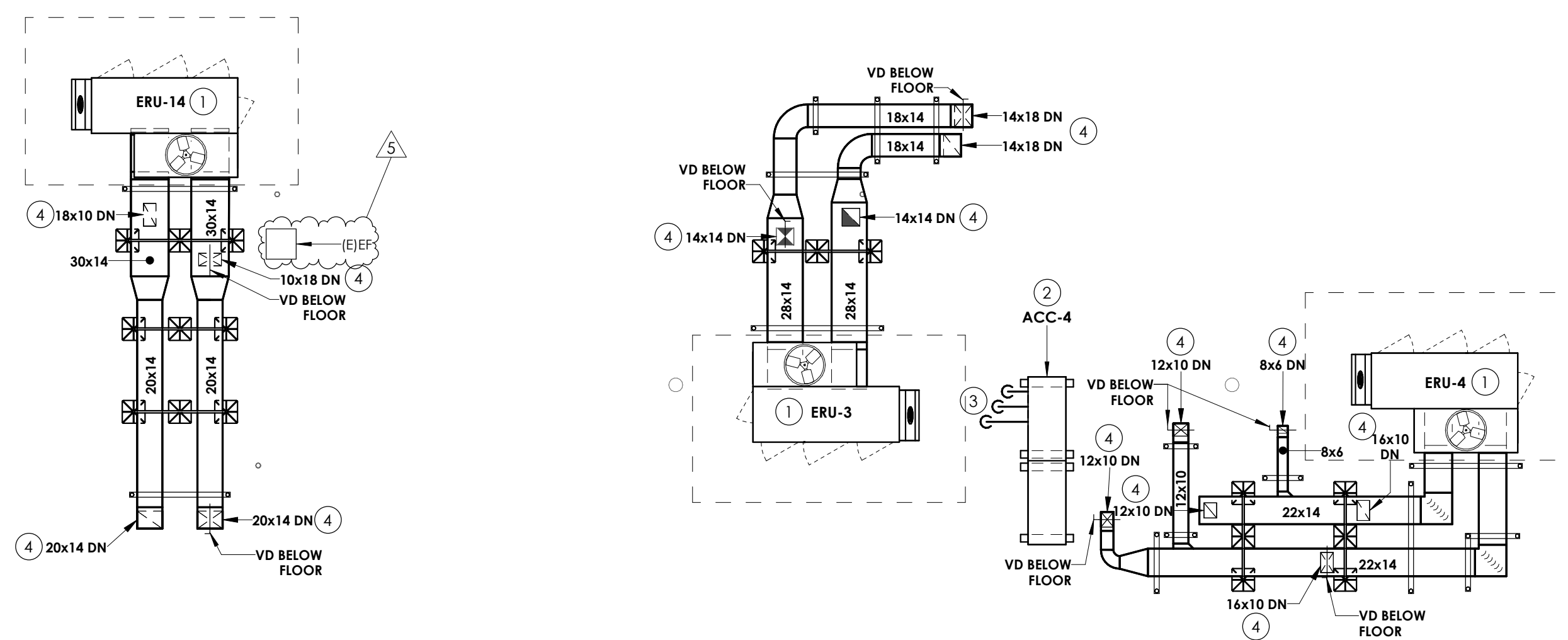
1. MECHANICAL CONTRACTOR SHALL PROVIDE ALL ANCHORS/FASTENERS/BRACKETS INDICATED BY SPECIFICATION SECTION 230550.

KEY NOTES

1. MOUNT ENERGY RECOVERY UNIT ON A HORIZONTAL DISCHARGE CURB AT LEAST 24" HIGH. PROVIDE SUPPORTS FOR ALL ROOF MOUNTED DUCTWORK. SPILL CONDENSATE TO ROOF. PREPARE FOR CONNECTION TO CONTROLS.
2. MOUNT CONDENSING UNIT TO 14" EQUIPMENT RAILS. VIBRATION INSULATION AND PIPE PORTAL. REFERENCE WIND RESTRAINT FOR HVAC SYSTEMS IN SPEC SECTION 230550.
3. ROUTE NEW RS/RL LINES DOWN THROUGH ROOF. COORDINATE WITH EXISTING ROOFING AND STRUCTURE. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
4. DUCTWORK DOWN TO SPACE BELOW.
5. MOUNT GRAVITY INTAKE FAN ON 14" CURB WITH VIBRATION INSULATION. ROUTE DUCTWORK TO CUH-2 RETURN DUCT.



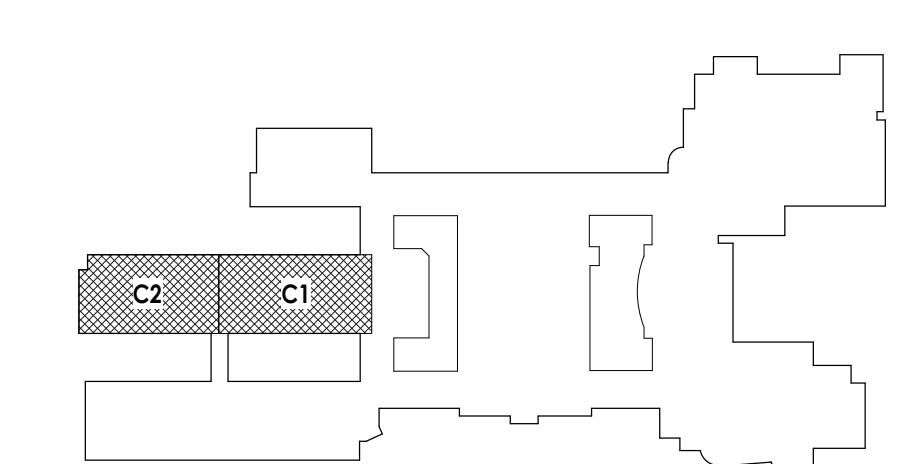
1 ROOF - HVAC DUCTWORK PLAN - AREA C1
H212 1/8" = 1'-0"

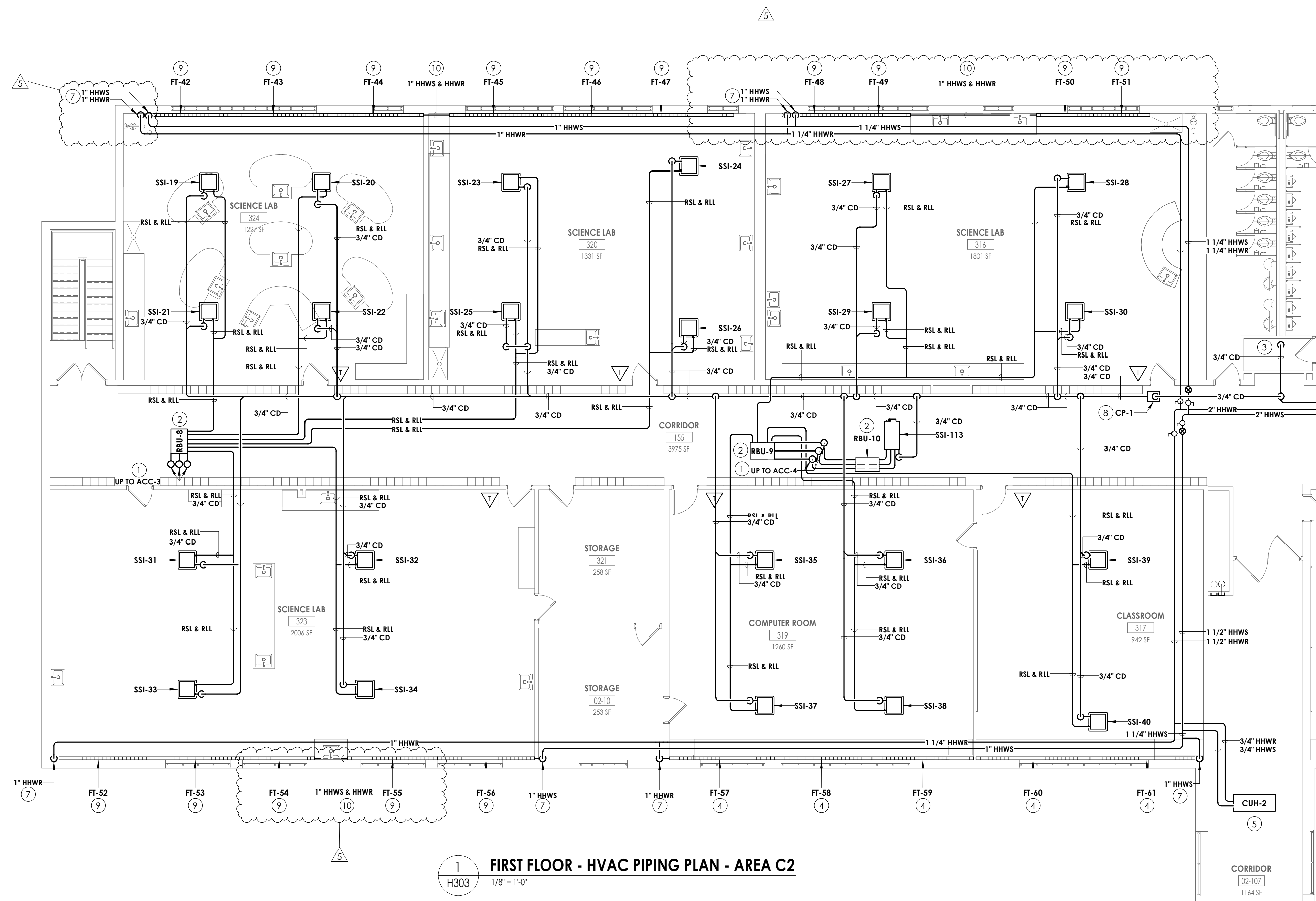


2 ROOF - HVAC DUCTWORK PLAN - AREA C2
H212 1/8" = 1'-0"

3 ROOF - HVAC DUCTWORK PLAN - AREA C-D CORRIDOR
H212 1/8" = 1'-0"

KEY PLAN:





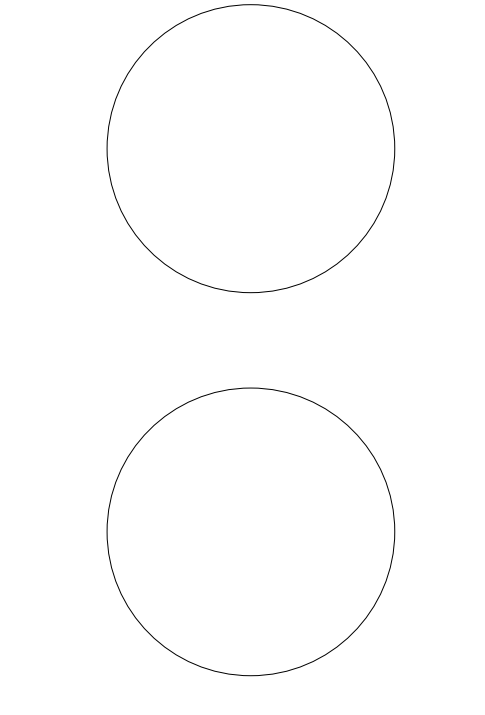
1 FIRST FLOOR - HVAC PIPING PLAN - AREA C2
H303 1/8" = 1'-0"

- KEY NOTES**
- 1 RSL/RLL UP TO CONDENSING UNIT ON ROOF. REFER TO H600 FOR PIPE SIZES.
 - 2 PROVIDE BRANCH BOX. MOUNT UNIT AS HIGH AS POSSIBLE. COORDINATE PIPE ROUTING WITH DUCTWORK AND EXISTING STRUCTURE.
 - 3 ROUTE CONDENSATE PIPING TO SANITARY. PROVIDE WITH AN INDIRECT CONNECTION.
 - 4 PROVIDE FIN TUBE WITH DRAFTSTOP WHERE INDICATED.
 - 5 INSTALL CABINET UNIT HEATER IN ACT CEILING GRID AND COORDINATE WITH ARCHITECTURAL, STRUCTURAL, AND LIGHTING. ROUTE PIPING ABOVE CEILING.
 - 6 PROVIDE ENCLOSURE FOR FIN TUBE BETWEEN THE POINTS INDICATED. COORDINATE ENCLOSURE LENGTH WITH CASEWORK. ENCLOSURE PAINTED TO MATCH THE CASEWORK.
 - 7 FIN TUBE PIPING TO BE ROUTED ABOVE THE CEILING. PROVIDE 18 GAUGE GALVANIZED STEEL ENCLOSURE PAINTED TO MATCH THE WALL AROUND THE PIPING UP TO CEILING.
 - 8 PROVIDE INLINE CONDENSATE PUMP. MOUNT ABOVE CEILING. ROUTE CONDENSATE PIPING AS HIGH AS POSSIBLE AND COORDINATE WITH STRUCTURE.
 - 9 PROVIDE FIN TUBE WITH DRAFT STOP WHERE INDICATED. PROVIDE WITH ENCLOSURE
 - 10 ROUTE HHWS & HHWR PIPING THROUGH EXISTING CABINET. PROVIDE PENETRATION AND COORDINATE WITH EXISTING DOMESTIC PIPING.

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
1	11/04/24	BID ADDENDUM #1
2	11/04/24	BID ADDENDUM #2
3	11/08/24	BID ADDENDUM #3
5	11/19/24	BID ADDENDUM #5

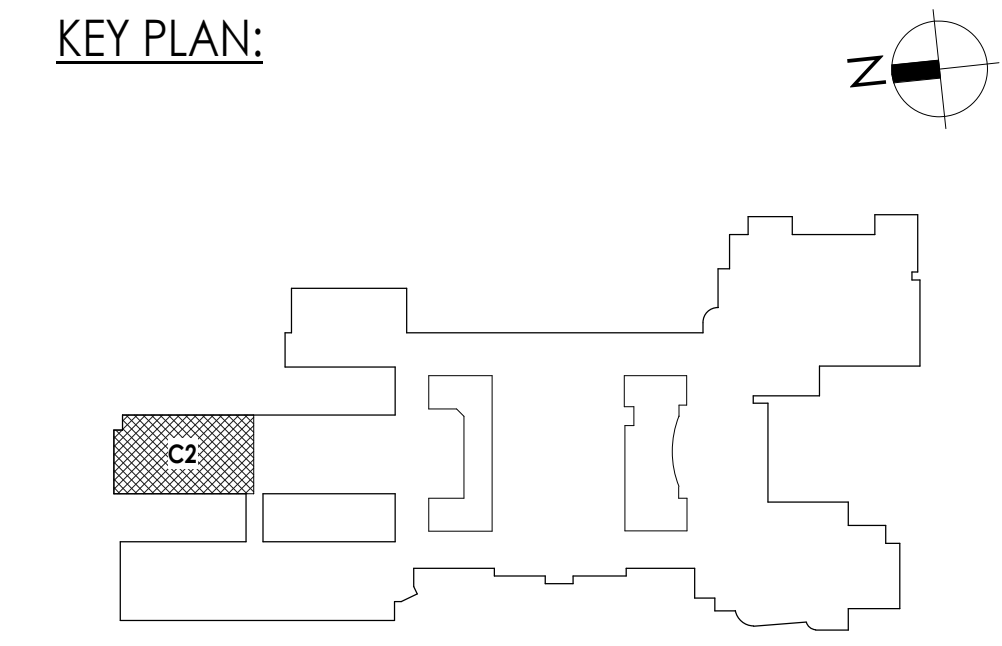
PROFESSIONAL STAMPS

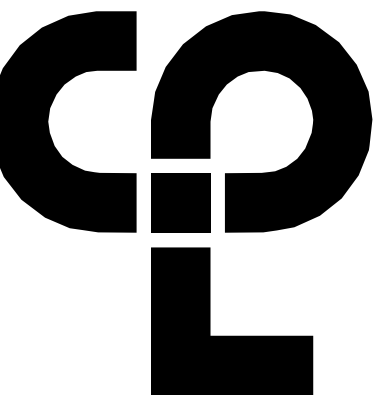


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SHEET INFORMATION

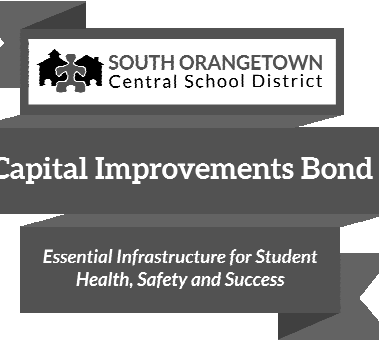
Issued	Scale
10/25/2024	1/8" = 1'-0"
Project Status	
BID DOCUMENTS	
Drawn By	Checked By
KCM	JJM
Drawing Title	
FIRST FLOOR PIPING PLAN - AREA C2	
Drawing Number	
TZHS H303	





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Poughkeepsie, NY 12601
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NY ENGINEERING FIRM CERTIFICATE #0021419



PROJECT INFORMATION

Project Number
14457.20

Client Name
SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT

Project Name
PHASE 2: 2022 BOND

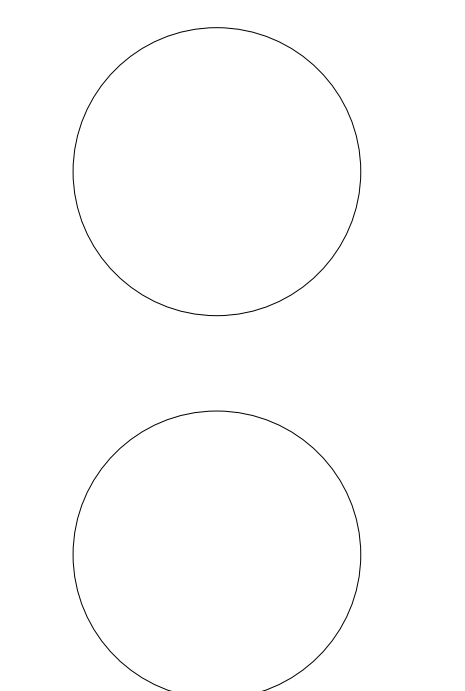
Building Address
160 VAN WYCK RD., BLAUVELT, NY 10913

SD # 50-03-01-04-0-004-003
Description
Lillian Torres 05/30/24
Anthony Marchetti 05/31/27
David Hoff 07/28/25
Jennifer Wangender 06/30/27

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
1		
2	11/04/24	BID ADDENDUM #2
5	11/19/24	BID ADDENDUM #5

PROFESSIONAL STAMPS



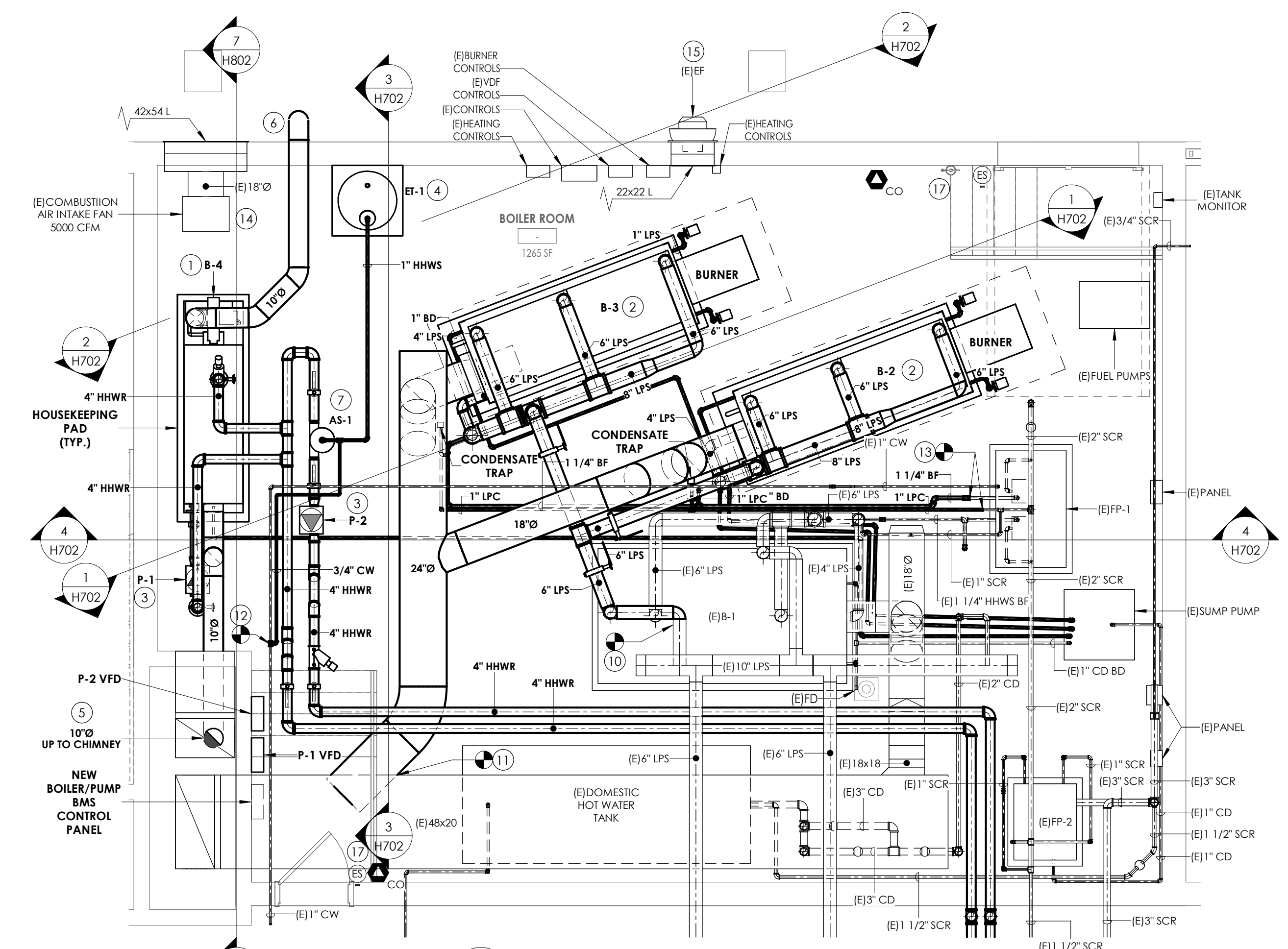
NEW YORK STATE EDUCATION STATEMENT
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SHEET INFORMATION

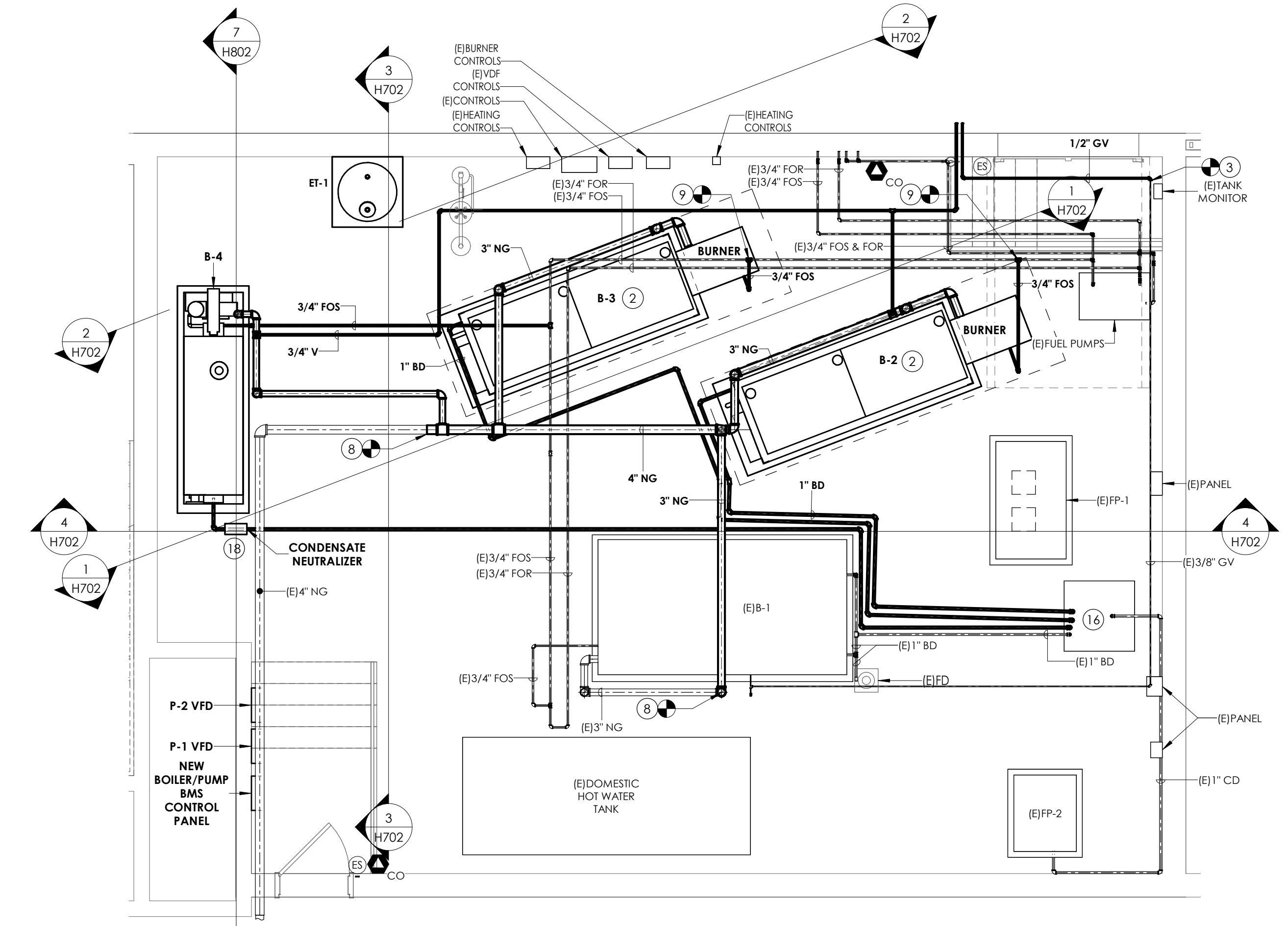
Issued 10/25/2024 Scale 1/4" = 1'-0"
Project Status
BID DOCUMENTS
Drawn By KCM Checked By JJM
Drawing Title
BOILER ROOM ENLARGED NEW WORK PLANS

Drawing Number
TZHS H701

- GENERAL NOTES:**
1. PAINT PIPING ROUTED ON FLOOR YELLOW IN TRAP HAZARD PATHS.
- KEY NOTES**
- 1 PROVIDE CONDENSING BOILER AND INSTALL ON NEW HOUSEKEEPING PAD. CONNECT TO EXISTING EMERGENCY STOP BUTTON AT EACH DOOR ENTRY.
 - 2 INSTALL OWNER PROVIDED STEAM BOILER AND TRIM BURNER ON NEW HOUSEKEEPING PAD. CONNECT TO STEAM PIPING AND FLUE AT POINTS INDICATED. ROUTE BLOW DOWN PIPING TO FLOOR DRAIN AND PROVIDE WITH INDIRECT CONNECTION. CONNECT TO EXISTING EMERGENCY STOP BUTTON AT EACH DOOR ENTRY.
 - 3 PROVIDE INLINE PUMP.
 - 4 PROVIDE EXPANSION TANK AND CONNECT TO HOT WATER SYSTEM.
 - 5 ROUTE NEW FLUE THROUGH EXISTING CHIMNEY.
 - 6 AIR INTAKE TO BE TERMINATED WITH DOWNWARDS 90° ELBOW AND WITH 1/2" x 1/2" BIRD SCREEN.
 - 7 PROVIDE AIR SEPARATOR AND CONNECT TO HOT WATER RETURN PIPING.
 - 8 CONNECT TO EXISTING NATURAL GAS PIPING AND ROUTE TO GAS TRAINS.
 - 9 CONNECT TO EXISTING OIL SUPPLY/RETURN PIPING AND ROUTE TO BURNER.
 - 10 CONNECT NEW STEAM PIPING TO EXISTING STEAM BRANCH IN LOCATION SHOWN.
 - 11 CONNECT NEW FLUE TO EXISTING FLUE. MATCH/RE-INSULATE AS REQUIRED.
 - 12 CONNECT TO COLD WATER MAKE UP. COORDINATE EXACT LOCATION.
 - 13 CONNECT NEW BOILER FEED PIPING TO EXISTING BOILER FEED PIPING AT POINT INDICATED.
 - 14 EXISTING COMBUSTION AIR INTAKE FAN TO BE INTERCONNECTED TO STEAM BOILER BURNERS.
 - 15 EXISTING COMBUSTION AIR RELIEF FAN TO BE INTERCONNECTED TO STEAM BOILER BURNERS.
 - 16 DRAIN TO SUMP PUMP. PROVIDE AIR GAP.
 - 17 PROVIDE CO SENSOR NEAR EACH EXIT. REFERENCED ON H502. CONNECT CO SENSORS AND EXISTING EMERGENCY SHUT-OFF CONTROLS TO ALL BOILERS.
 - 18 PROVIDE NEUTRALIZATION TANK FOR CONDENSING BOILER.

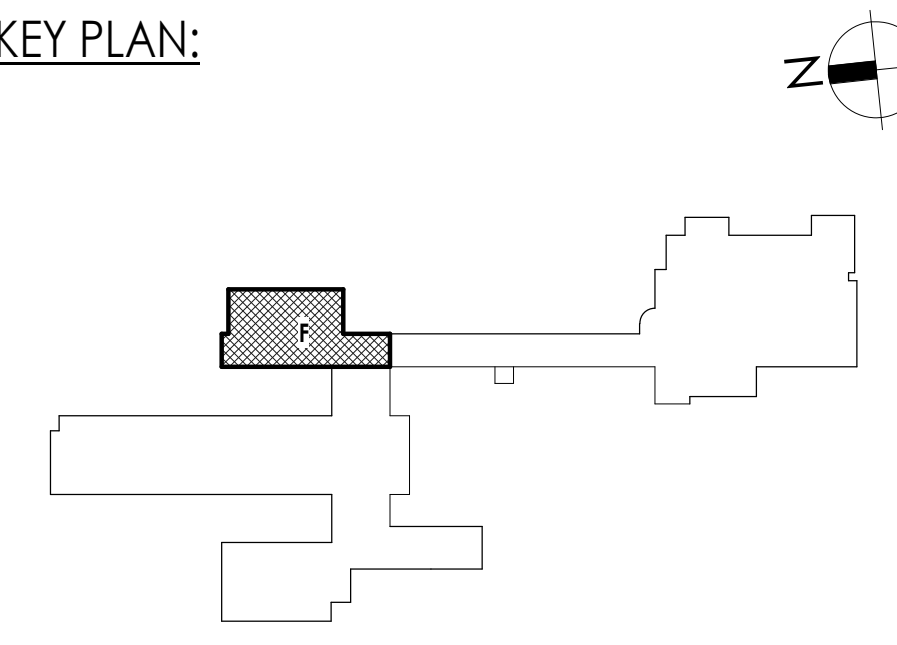


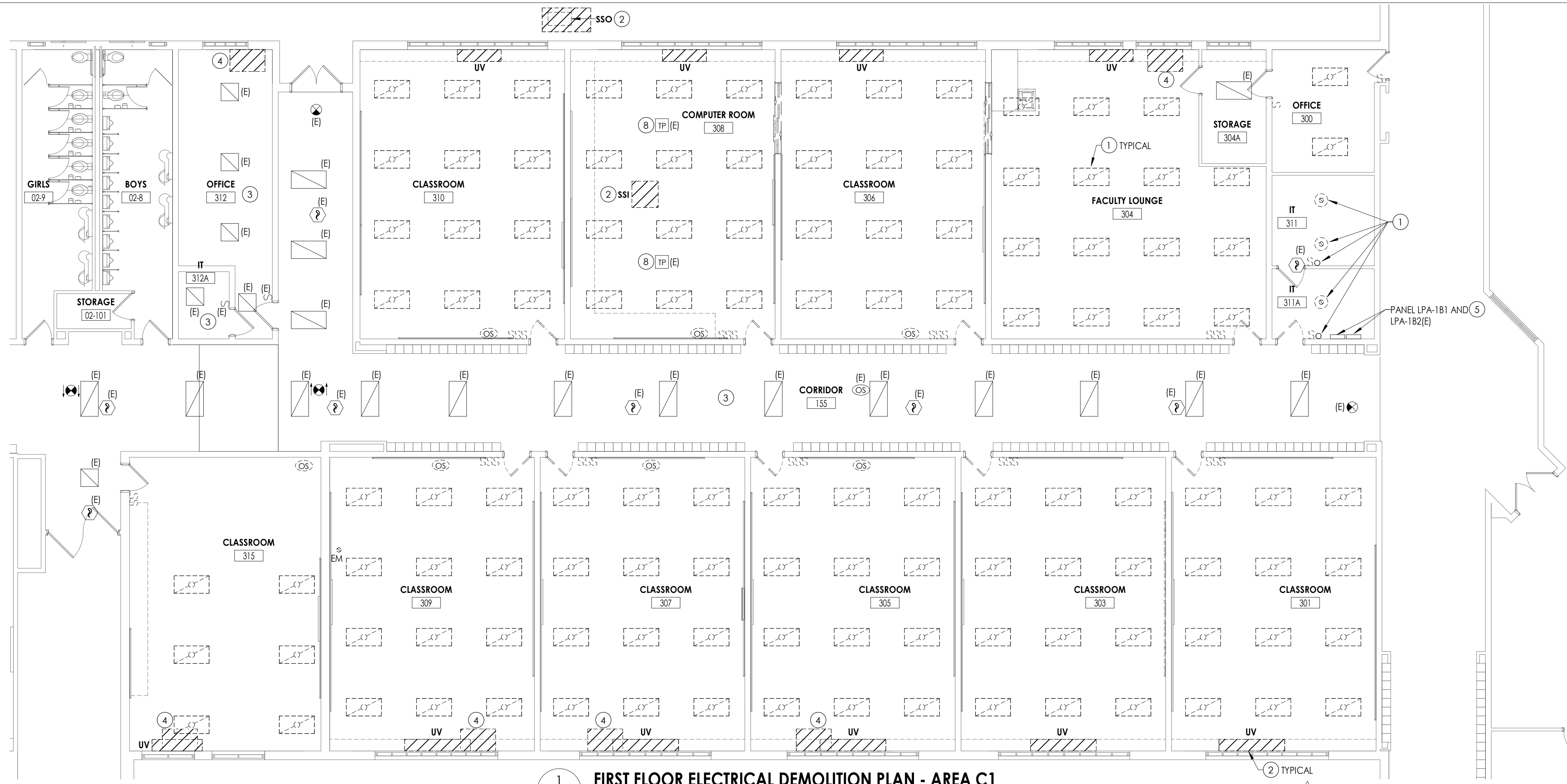
1 BOILER ROOM HVAC PIPING NEW WORK PLAN
1/4" = 1'-0"



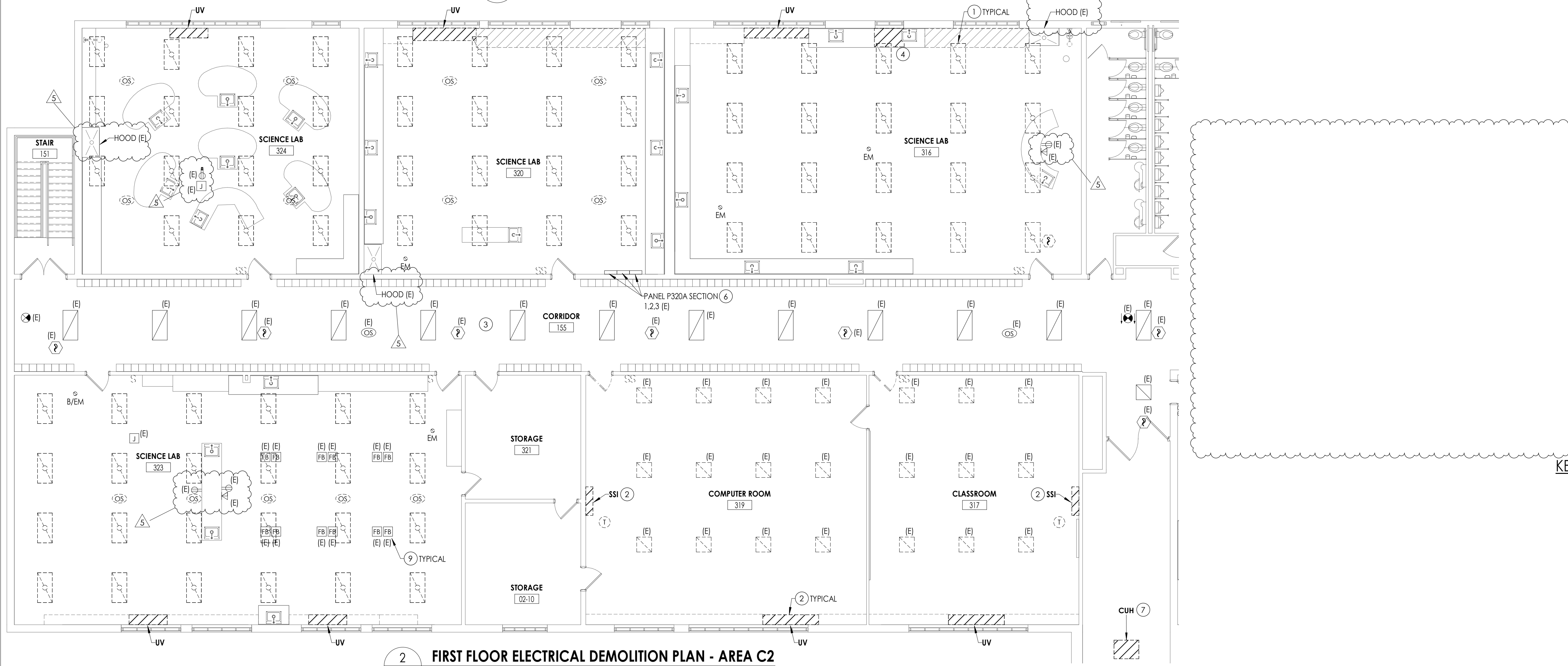
2 BOILER ROOM HVAC FUEL PIPING NEW WORK PLAN
1/4" = 1'-0"

KEY PLAN:





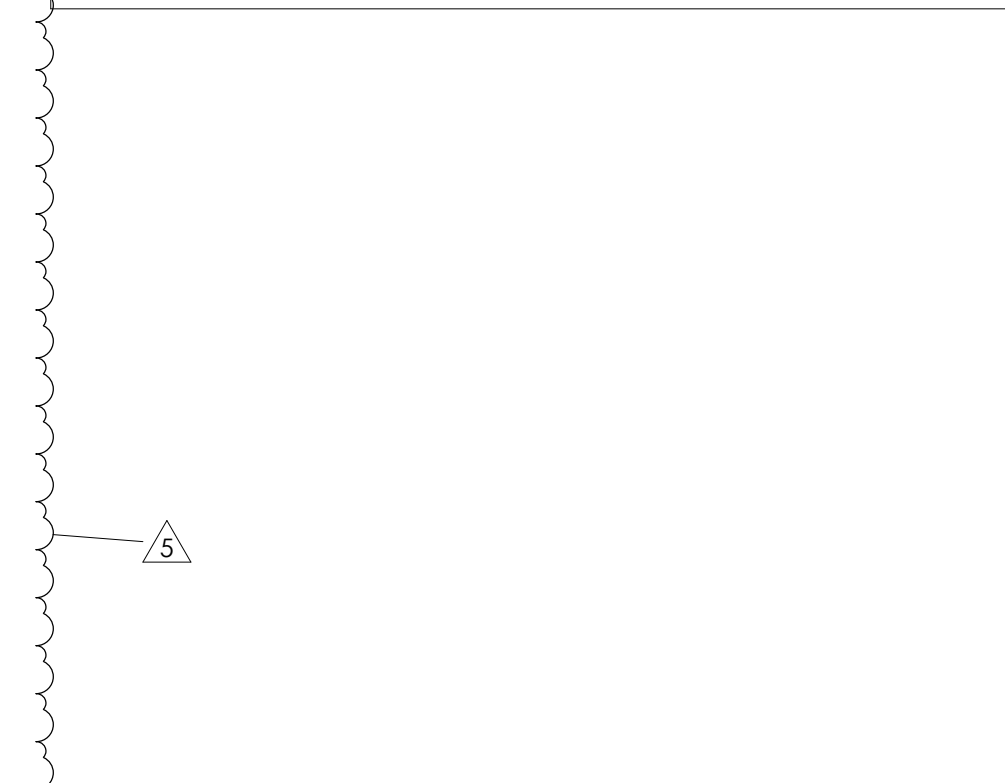
1 FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREA C1
E102 1/8" = 1'-0"



2 FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREA C2
E102 1/8" = 1'-0"

- ### GENERAL NOTES
- ALL ITEMS SHOWN ARE TO BE REMOVED UNLESS LABELED AS (E) EXISTING. REMOVAL OF DEVICE INCLUDES ITS ASSOCIATED CABLING/BRANCH CIRCUIT WIRING, AND RACEWAY.
 - ANY EXISTING DEVICE TO REMAIN, LABELED AS (E) SHALL REMAIN IN PLACE AS WELL AS ITS ASSOCIATED CIRCUITING AND CONDUIT, UNLESS OTHERWISE NOTED.
 - THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRICAL IN AREAS OF NEW RENOVATIONS TO ACCOMMODATE NEW CONSTRUCTION. REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK AS NOTED IN THE FOLLOWING NOTES.
 - DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED. THE CONTRACTOR SHALL ASSUME WITHIN THE BASE BID A NOMINAL AMOUNT OF BRANCH CIRCUITS, FIXTURES, DEVICES, AND SYSTEMS WIRING WITHIN WALLS OR OPENINGS BEING REMOVED OR RELOCATED AS REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION.
 - WHERE DEVICES, FIXTURES, ETC. ARE INDICATED TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE PANEL/BOARD UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING, TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN, TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.
 - COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC. WITH OTHER DISCIPLINES AS APPLICABLE. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION.
 - DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION AND EXISTING BUILDING DOCUMENTS. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE.
 - CONTRACTOR SHALL PROPERLY DISPOSE OF ALL ITEMS. EQUIPMENT, PANELS, LIGHT FIXTURES, ETC. BEING REMOVED AS PART OF THIS PROJECT. THE OWNER SHALL HAVE THE RIGHT OF RETAINING ANY ITEMS BEING REMOVED.
 - CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL BOXES OF UNUSED AND/OR REMOVED FLUSH MOUNT DEVICES UPON COMPLETION OF PROJECT.
 - FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.
 - ALL CEILING MOUNTED WIRELESS ACCESS POINTS, SPEAKERS, AND CAMERAS TO BE REMOVED AND REINSTALLED TO ACCOMMODATE CEILING WORK ARE SHOWN ON THE T-SERIES DRAWINGS.

- ### KEY NOTES
- DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES AND SWITCHES. TAG FIXTURE AND SWITCHING CIRCUITRY FOR RE-USE.
 - DISCONNECT AND REMOVE ALL CONDUIT AND WIRING BACK TO SOURCE PANEL. LABEL CIRCUITS AS SPARE.
 - CEILING TO BE REMOVED AND REPLACED. DISCONNECT ALL CEILING MOUNTED DEVICES AND LIGHT FIXTURES AND STORE FOR RE-USE. TAG ALL WIRING FOR RE-USE.
 - DISCONNECT AND REMOVE EXISTING RECEPTACLE FEEDING PTAC UNIT. REMOVE CONDUIT AND WIRING BACK TO SOURCE PANEL. LABEL CIRCUITS AS SPARE.
 - DISCONNECT AND REMOVE CIRCUIT BREAKERS 34.36,37,39 FROM PANEL LPA-181 AND CIRCUIT BREAKERS 38.40 FROM PANEL LPA-182 TO ACCOMMODATE NEW CIRCUIT BREAKERS.
 - DISCONNECT AND REMOVE CIRCUIT BREAKERS 17,19,42 FROM PANEL 1, CIRCUIT BREAKERS 25,27 FROM PANEL 2, AND CIRCUIT BREAKERS 34,36 FROM PANEL 3 TO ACCOMMODATE NEW CIRCUIT BREAKERS.
 - DISCONNECT CONDUIT AND WIRE FROM UNIT AND TAG FOR RE-USE.
 - DISCONNECT AND REMOVE EXISTING POWER POLE TO ACCOMMODATE CEILING REMOVAL/REPLACEMENT. TAG ALL WIRING FOR RE-USE.
 - DISCONNECT AND REMOVE EXISTING POWER FLOOR BOX TO ACCOMMODATE FLOORING REMOVAL/REPLACEMENT. TAG ALL WIRING FOR RE-USE.



PROJECT INFORMATION

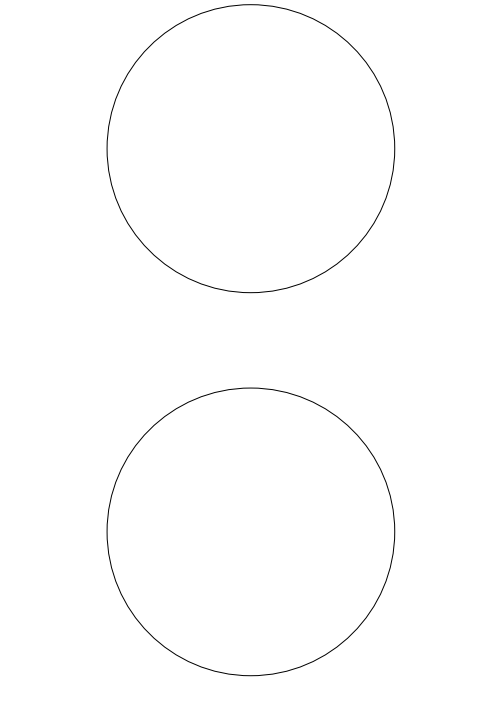
Project Number: 14457.20
Client Name: SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
Project Name: PHASE 2: 2022 BOND
TAPPAN ZEE HIGH SCHOOL
Building Address: 160 VAN WYCK RD., BLAUVELT, NY 10913
SIS # 50-03-01-04-0-004-033

Preparation: Lauren Tanya 05/20/24
Design: Anthony Marchetti 05/31/27
Draw: David Hoff 07/20/25
Check: Jennifer Wangender 06/30/27

PROJECT ISSUE & REVISION SCHEDULE

Issue #	Date	Description
5	11/19/24	BID ADDENDUM #5

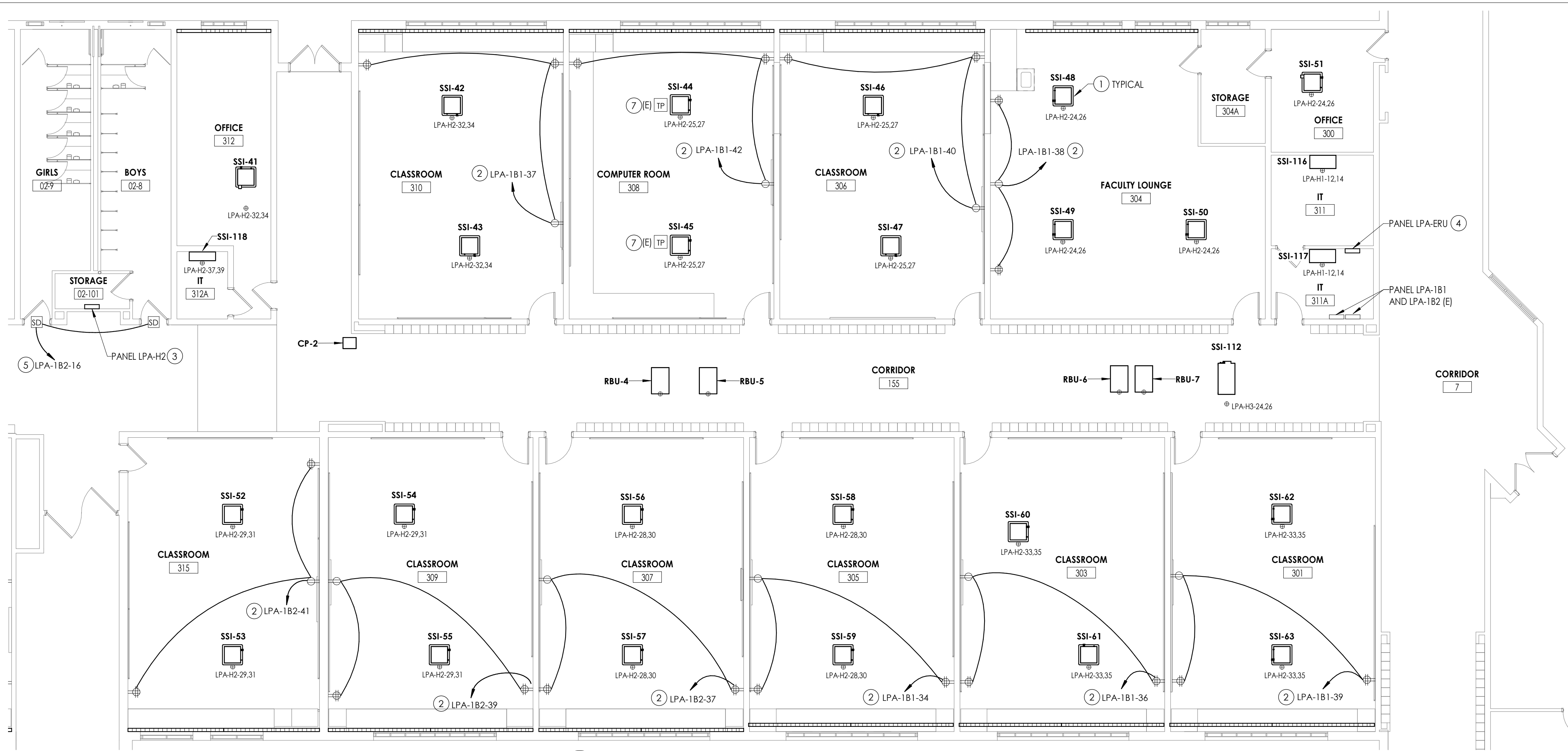
PROFESSIONAL STAMPS



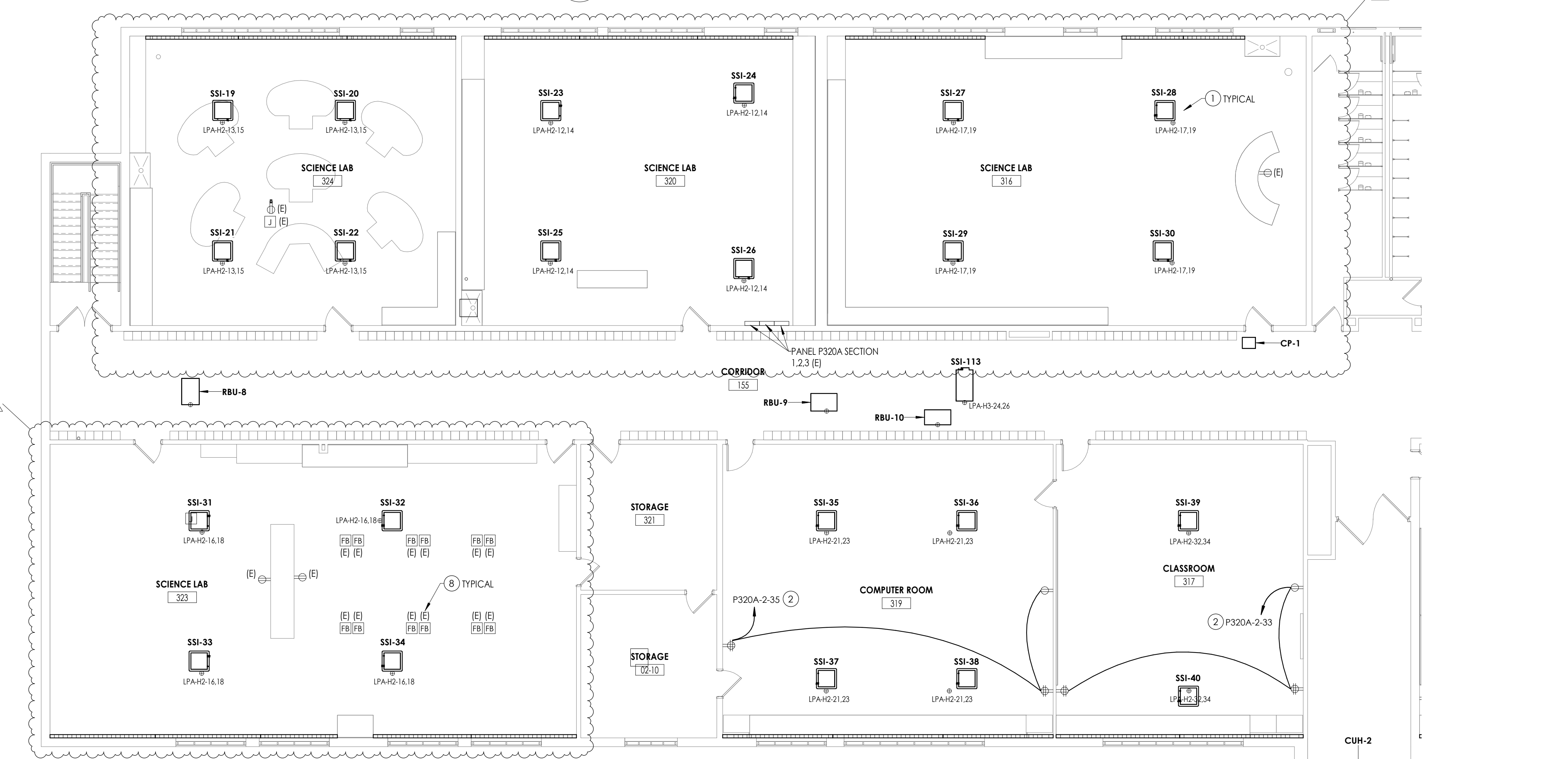
SHEET INFORMATION

Issued: 10/25/2024
Scale: AS NOTED
Project Status: BID DOCUMENTS
Drawn By: MAY
Checked By: JBT
Drawing Title: FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREA C1 AND C2
Drawing Number: TZHS E102

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1 FIRST FLOOR ELECTRICAL NEW WORK PLAN - AREA C1
E202 1/8" = 1'-0"



2 FIRST FLOOR ELECTRICAL NEW WORK PLAN - AREA C2
E202 1/8" = 1'-0"

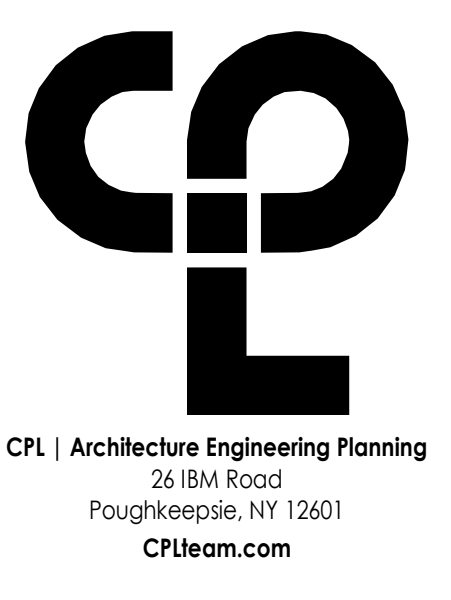
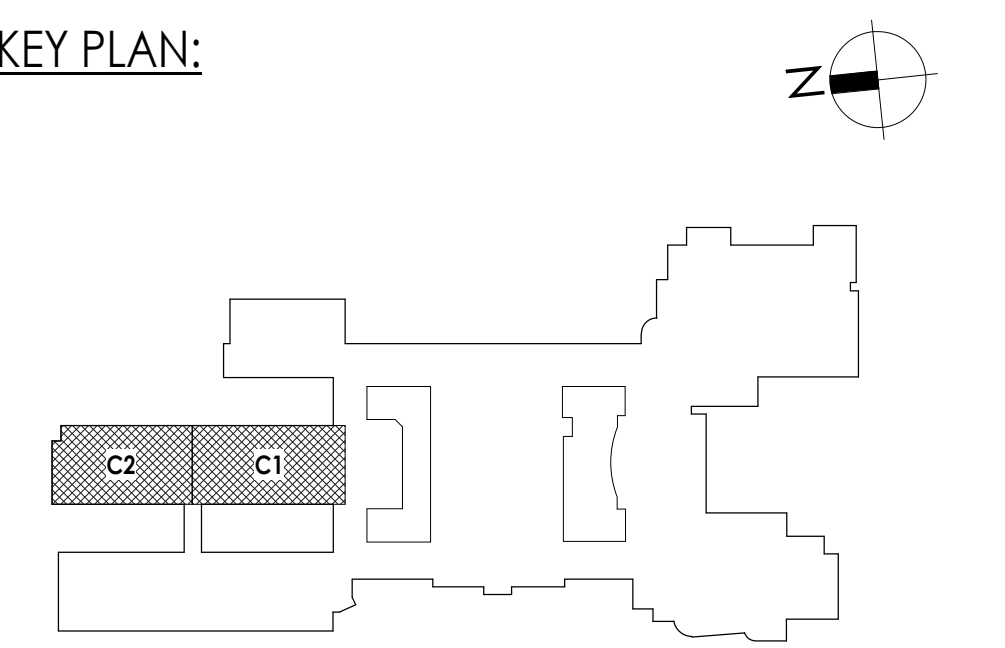
GENERAL NOTES

- A. UNLESS NOTED OTHERWISE, CONNECT NEW DEVICES SHOWN TO PANEL AND CIRCUIT BREAKER INDICATED ADJACENT TO DEVICE WITH (2) #12, (1) #12 GND IN 3/4" CONDUIT.
- B. ALL CIRCUITS OVER 100 FEET TO BE WIRED WITH #10 THHN.
- C. RECEPTACLES TO BE PLACED IN SURFACE RACEWAY. COORDINATE LOCATIONS WITH T-SERIES DRAWINGS.

KEY NOTES

1. ALL MECHANICAL EQUIPMENT POWER REQUIREMENTS ARE NOTED ON DRAWINGS E900, E901, E902. LABEL INDICATES EQUIPMENT TAG, REFER TO ELECTRICAL EQUIPMENT CONNECTION SCHEDULE ON SHEETS NOTED ABOVE.
2. CONNECT TO EXISTING 20A/1P CIRCUIT BREAKER AS NOTED. CIRCUITS ARE AVAILABLE FROM REMOVED UNIT VENTILATORS. CONFIRM AVAILABLE CIRCUITS IN FIELD ONCE UNIT VENTILATORS ARE REMOVED.
3. PROVIDE A 120/208V, 3-PHASE, 4-WIRE, 400-AMP, .54 CIRCUIT PANELBOARD AT LOCATION INDICATED. PROVIDE (2) SETS OF (4) #350 MCM, (1) #1 GND IN 4" CONDUIT FROM MDP IN BASEMENT TO NEW PANEL.
4. PROVIDE A 120/208V, 3-PHASE, 4-WIRE, 2,000-AMP, .54 CIRCUIT PANELBOARD AT LOCATION INDICATED. PROVIDE (5) SETS OF (4) #600 MCM, (1) #4/0 GND IN (5) 4" CONDUITS FROM MDP IN BASEMENT TO NEW PANEL.
5. PROVIDE 120-VOLT POWER TO FIRE/SMOKE DAMPERS AT LOCATIONS INDICATED. PROVIDE (2) #12, (1) #12 GND IN 3/4" CONDUIT FROM PANEL/CIRCUIT INDICATED TO FIRE/SMOKE DAMPERS. PROVIDE A FIRE ALARM RELAY AT EACH FIRE/SMOKE DAMPER, AND WIRE TO FIRE ALARM CONTROL PANEL. COORDINATE ALL WORK WITH MECHANICAL CONTRACTOR.
6. CONNECT NEW EQUIPMENT TO TAGGED CIRCUITRY REWORK/EXTEND EXISTING CIRCUIT AS NECESSARY TO ACCOMMODATE NEW EQUIPMENT.
7. REINSTALL AND RECONNECT EXISTING POWER POLES TO TAGGED CIRCUITRY ONCE NEW CEILING IS IN PLACE.
8. REINSTALL AND RECONNECT EXISTING FLOOR BOXES TO TAGGED CIRCUITRY ONCE NEW FLOORING IS IN PLACE.

KEY PLAN:

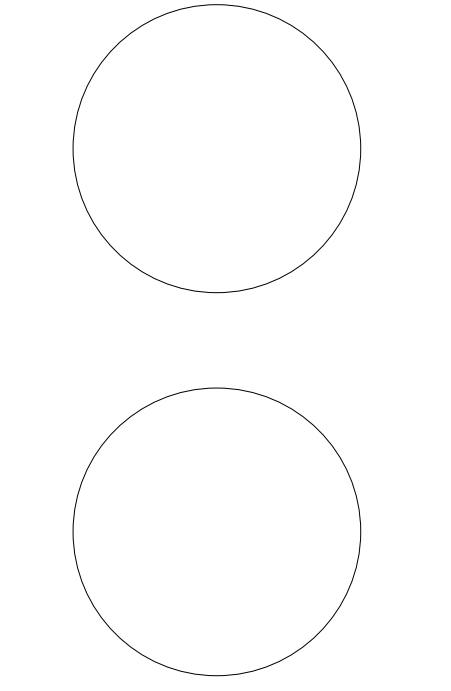


PROJECT INFORMATION
Project Number: 14457.20
Client Name: SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT
Project Name: PHASE 2: 2022 BOND
TAPPAN ZEE HIGH SCHOOL
Building Address: 160 VAN WYCK RD., BLAUVELT, NY 10913
SIC # 80-03-01-04-0-004-033
Registration Expiration Dates:
Loreen Toranzo 05/30/24
Anthony Marchetti 05/31/27
David Hoff 03/28/25
Jennifer Wengender 06/30/27

PROJECT ISSUE & REVISION SCHEDULE

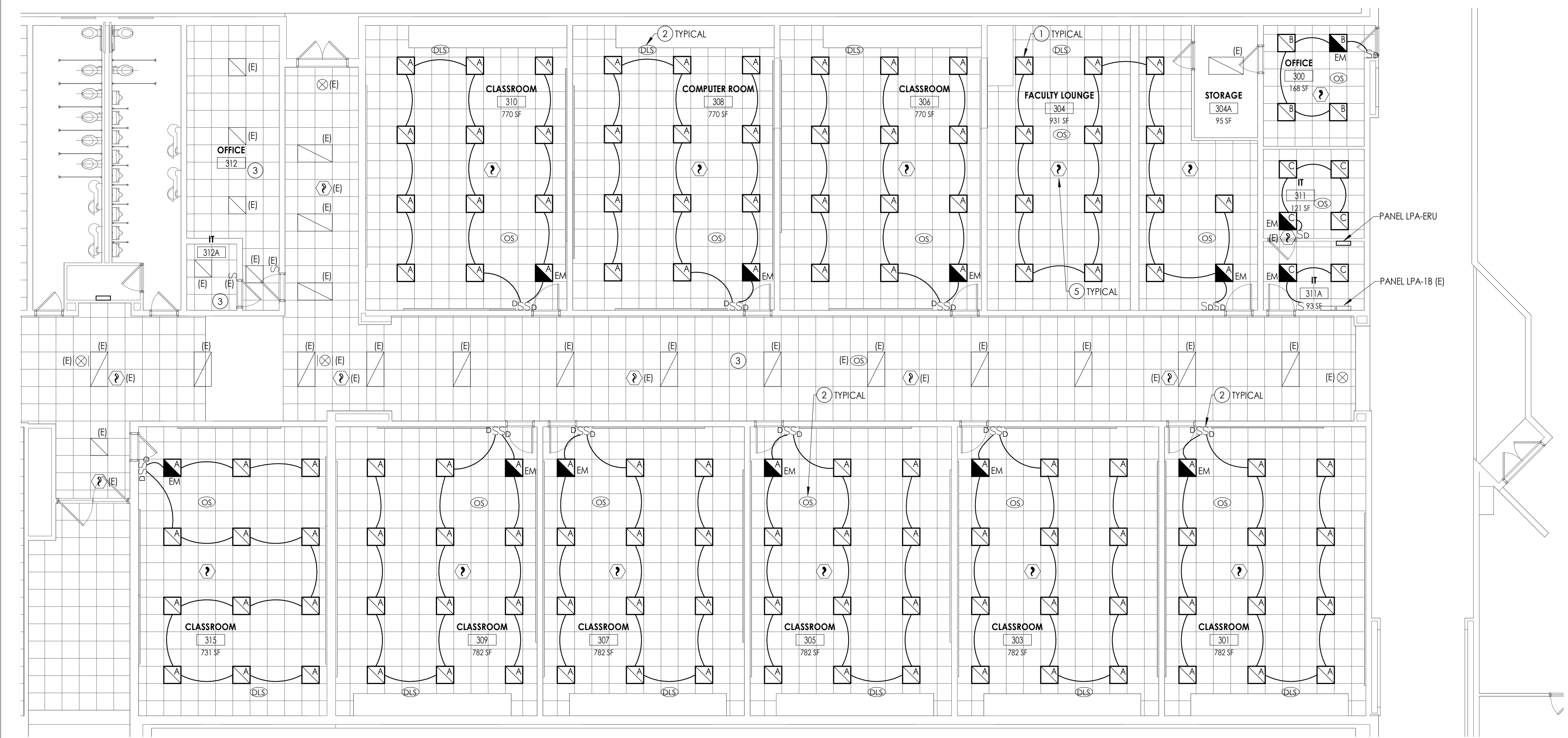
#	Date	Description
4	11/15/24	BID ADDENDUM #4
5	11/19/24	BID ADDENDUM #5

PROFESSIONAL STAMPS

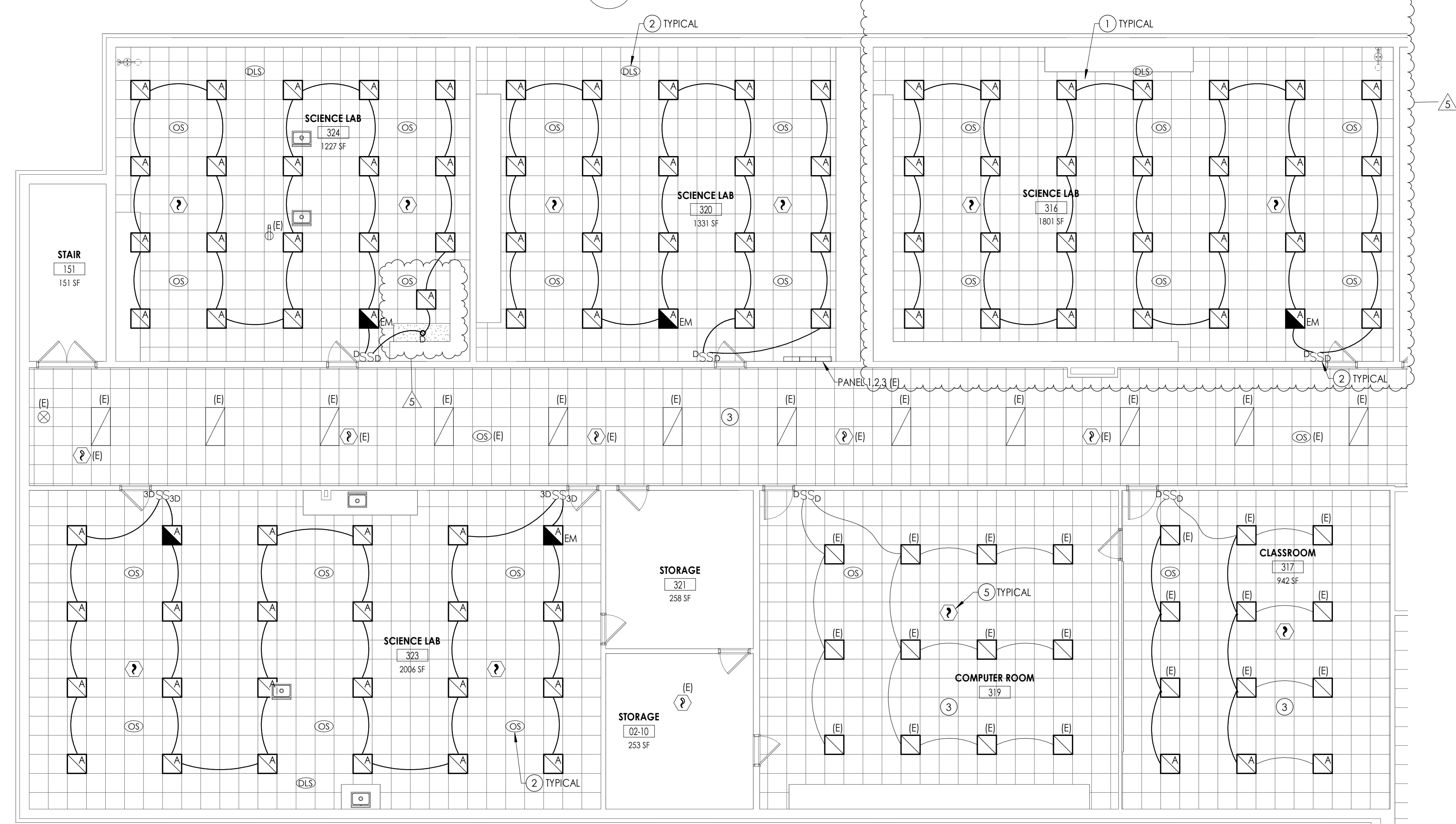


NEW FOR DATE EDUCATION EXEMPT
IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONERS REGULATIONS FOR ANY PERSON, UNDER ANY TITLE, UNDER THE SUPERVISION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER IN ANY WAY, OR IN ANY MANNER, BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR LAND SURVEYOR, THE ARCHITECTURE, ENGINEERING OR SURVEYING DRAWING, PLAN, SPECIFICATION OR CONTRACT DOCUMENTS, OR ANY PART THEREOF, WITHOUT THE SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SHEET INFORMATION
Issued: 10/25/2024
Scale: AS NOTED
Project Status: BID DOCUMENTS
Drawn By: MAY
Checked By: JBT
Drawing Title: FIRST FLOOR ELECTRICAL NEW WORK PLAN - AREA C1 AND C2
Drawing Number: TZHS E202



1 FIRST FLOOR LIGHTING PLAN - AREA C1
E302 1/8" = 1'-0"



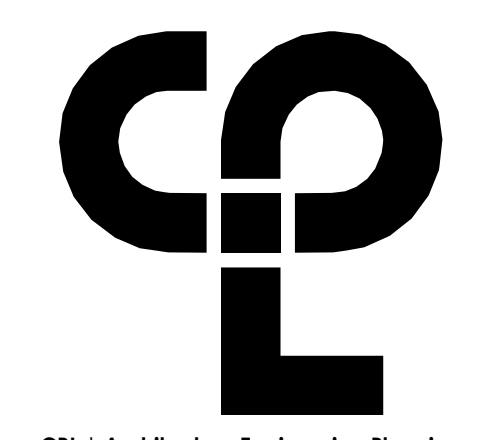
2 FIRST FLOOR LIGHTING PLAN - AREA C2
E302 1/8" = 1'-0"

GENERAL NOTES

- A. FIXTURE TYPE MARK IS INDICATED ADJACENT TO ALL LIGHT FIXTURES. REFER TO LUMINAIRE SCHEDULE ON DRAWING E903 FOR FIXTURE DESCRIPTIONS, TYPES, NOTES, AND SPECIFICATIONS.
- B. ALL LIGHT FIXTURES SHOWN SHALL BE WIRED WITH (2) #12, (1) #12 GND IN 3/4" CONDUIT, WIRED TO PANEL AND CIRCUIT INDICATED. CIRCUITS EXCEEDING 100' SHALL BE WIRED WITH #10 CONDUCTORS.
- C. INSTALL SWITCHING AND LOW-VOLTAGE SENSORS AS SHOWN. PROVIDE ALL LOW-VOLTAGE WIRING BETWEEN SENSORS, CONTROLLERS, POWER PACKS, AND LUMINAIRES.
- D. ALL LOW VOLTAGE WIRING BETWEEN SENSORS, CONTROLLERS, POWER PACKS, AND LUMINAIRES SHALL BE IN 3/4" MC.
- E. PROVIDE ANY ADDITIONAL POWER SUPPLIES OR OTHER MISCELLANEOUS COMPONENTS REQUIRED FOR A COMPLETE, OPERATIONAL LIGHTING SYSTEM TO MEET THE DESIGN INTENT OF THE LIGHTING SEQUENCE OF OPERATIONS AS SHOWN.
- F. ALL FIXTURES INDICATED WITH "EM" DESIGNATION SHALL HAVE EMERGENCY BATTERY BACKUP AT EACH FIXTURE. BATTERY BACKUP PACK TO BE WIRED TO THE UNSWITCHED "HOT LEG" OF THE CIRCUITRY FEEDING THE SPACE.
- G. ALL FIXTURES INDICATED WITH "NL" DESIGNATION INDICATED A "CONSTANT ON" NIGHT LIGHT. FIXTURE TO BE WIRED TO THE UNSWITCHED "HOT LEG" OF THE CIRCUITRY FEEDING THE SPACE.

KEY NOTES

- 1. CONNECT NEW FIXTURES TO EXISTING TAGGED CIRCUITRY. REWORK/EXTEND CIRCUITRY AS NECESSARY TO ACCOMMODATE NEW FIXTURE.
- 2. PROVIDE NEW SWITCHING, OCCUPANCY, AND DAYLIGHT SENSORS AS INDICATED. PROVIDE ALL NEW LOW-VOLTAGE WIRING TO FIXTURES AND DEVICES INDICATED. CONNECT NEW SWITCHES TO EXISTING TAGGED CIRCUITRY.
- 3. ALL EXISTING LIGHTING AND CEILING MOUNTED DEVICES TO BE REINSTALLED BACK IN PLACE IN NEW CEILING GRID. CONNECT TO EXISTING TAGGED CIRCUITRY.
- 4. CONNECT NEW LIGHT FIXTURES TO EXISTING CIRCUITRY WITH (2) #12, (1) #12 GND IN MC.
- 5. PROVIDE NEW SMOKE DETECTORS AS SHOWN. PROVIDE NEW WIRING FROM SMOKE DETECTOR TO LOCAL SLC CIRCUIT WITHIN AREA.



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26 IBM Road
Poughkeepsie, NY 12601
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NY ENGINEERING FIRM CERTIFICATE #0021419



PROJECT INFORMATION

Project Number: 14457.20
Client Name: SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT

Project Name: PHASE 2: 2022 BOND

TAPPAN ZEE HIGH SCHOOL

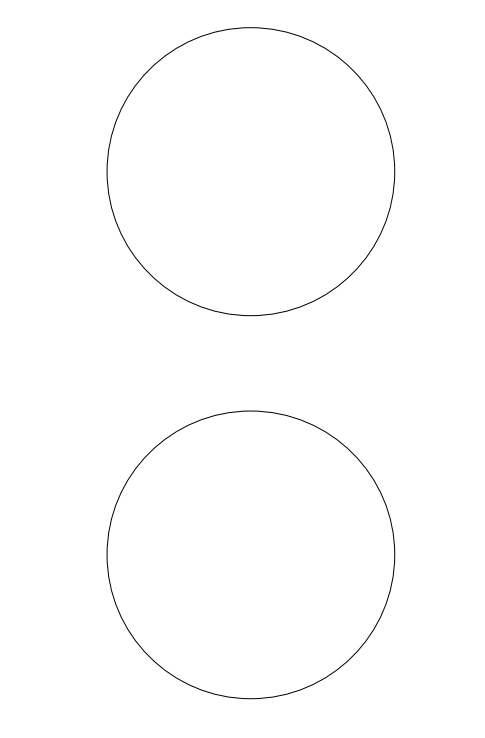
Building Address: 160 VAN WYCK RD., BLAUVELT, NY 10913

SED # 20-03-01-04-0-004-003
Registration Expiration Dates:
Loreen Tanna: 05/30/24
Anthony Marchetti: 05/31/27
David Hoyt: 03/28/25
Jennifer Wengender: 06/30/27

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
5	11/19/24	BID ADDENDUM #5

PROFESSIONAL STAMPS



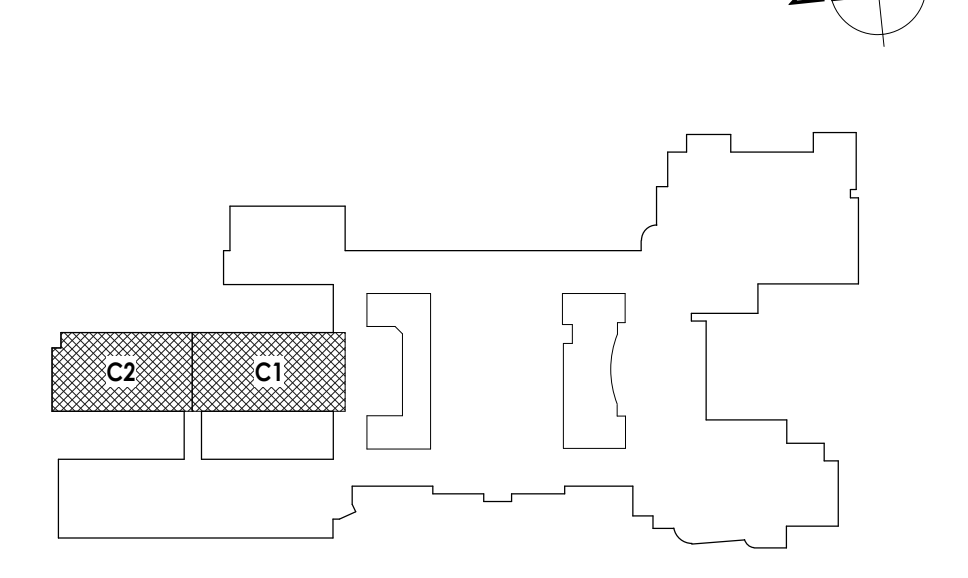
NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATION FOR ANY PERSON UNDER THE SUPERVISION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR TO ALTER OR REUSE IN ANY WAY, IN WHOLE OR IN PART, ANY DESIGN, DRAWING OR SPECIFICATION OF ANY KIND, OR ANY PORTION THEREOF, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT, ENGINEER OR LAND SURVEYOR, IS A VIOLATION OF THE PROFESSIONAL ETHICS OF SUCH PERSON, AND IS PROHIBITED BY SECTION 205 OF THE EDUCATION LAW AND THE REGULATIONS THEREOF.

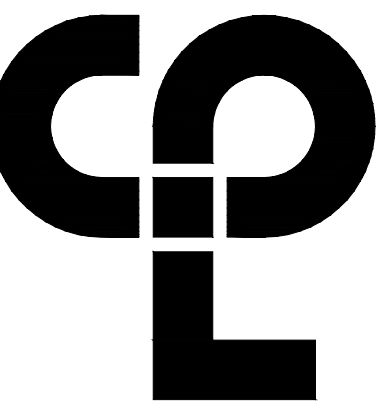
SHEET INFORMATION

Issued: 10/25/2024
Scale: AS NOTED
Project Status: BID DOCUMENTS
Drawn By: MAY
Checked By: JBT
Drawing Title: FIRST FLOOR LIGHTING PLAN - AREA C1 AND C2

Drawing Number: TZHS E302

KEY PLAN:





CPL | Architecture Engineering Planning
26 BM Road
Poughkeepsie, NY 12601
CPLearn.com

NY ENGINEERING FIRM CERTIFICATE #0021419



PROJECT INFORMATION

Project Number
R22.14457.20

Client Name

SOUTH ORANGETOWN CENTRAL SCHOOL DISTRICT

Project Name

PHASE 2: 2022 BOND

TAPPAN ZEE HIGH SCHOOL

Building Address
15 DUTCH HILL ROAD, ORANGETOWN, NY
10962

SED # 90-03-01-04-0-004-033

Registration Expiration Date

Lillian Torres 06/30/24

Anthony Marchetti 05/31/27

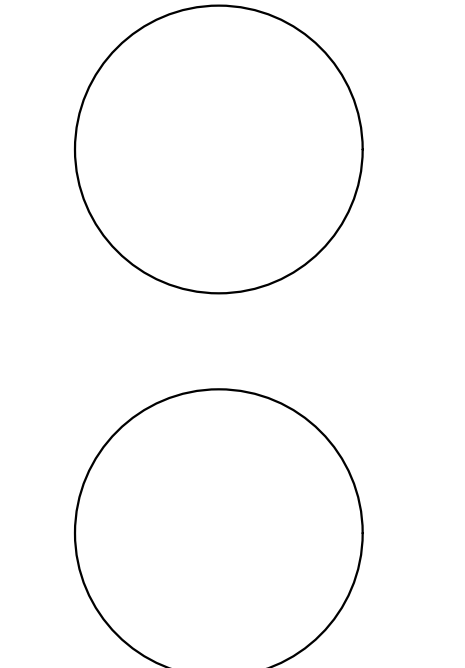
Oliver Hoff 02/28/25

Jennifer Wengender 04/30/27

PROJECT ISSUE & REVISION SCHEDULE

Issue
5 11/19/2024 BID ADDENDUM #5

PROFESSIONAL STAMPS



NEW YORK STATE EDUCATION EXEMPTION
I, A VENDOR OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONERS
REGULATIONS ON ANY PREVIOUS INFRACTIONS UNDER THE SUPERVISION OF A LICENSED
ARCHITECT, ENGINEER OR LAND SURVEYOR, DO AGREE AND HEREBY WARRANT THAT I AM
REGISTERED IN THE STATE OF NEW YORK AND AM NOT REGISTERED IN ANY OTHER STATE.
FROM THIS DATE TO THE END OF THIS YEAR, AND THE SIGNATURE SHALL BE VALIDATED BY THE BOARD OF
TEACHERS AND THE DATE OF SIGNATURE AND A SPECIFIC DESCRIPTION OF THE
ACTIVITIES.

SHEET INFORMATION

Issued
10/25/24
Project Status
AS INDICATED
BID DOCUMENTS
Drawn By
Checked By
AH BH
Drawing Title
FIRST FLOOR DEMOLITION PLAN -
AREA C

Drawing Number

**TZHS
T101**

GENERAL NOTES

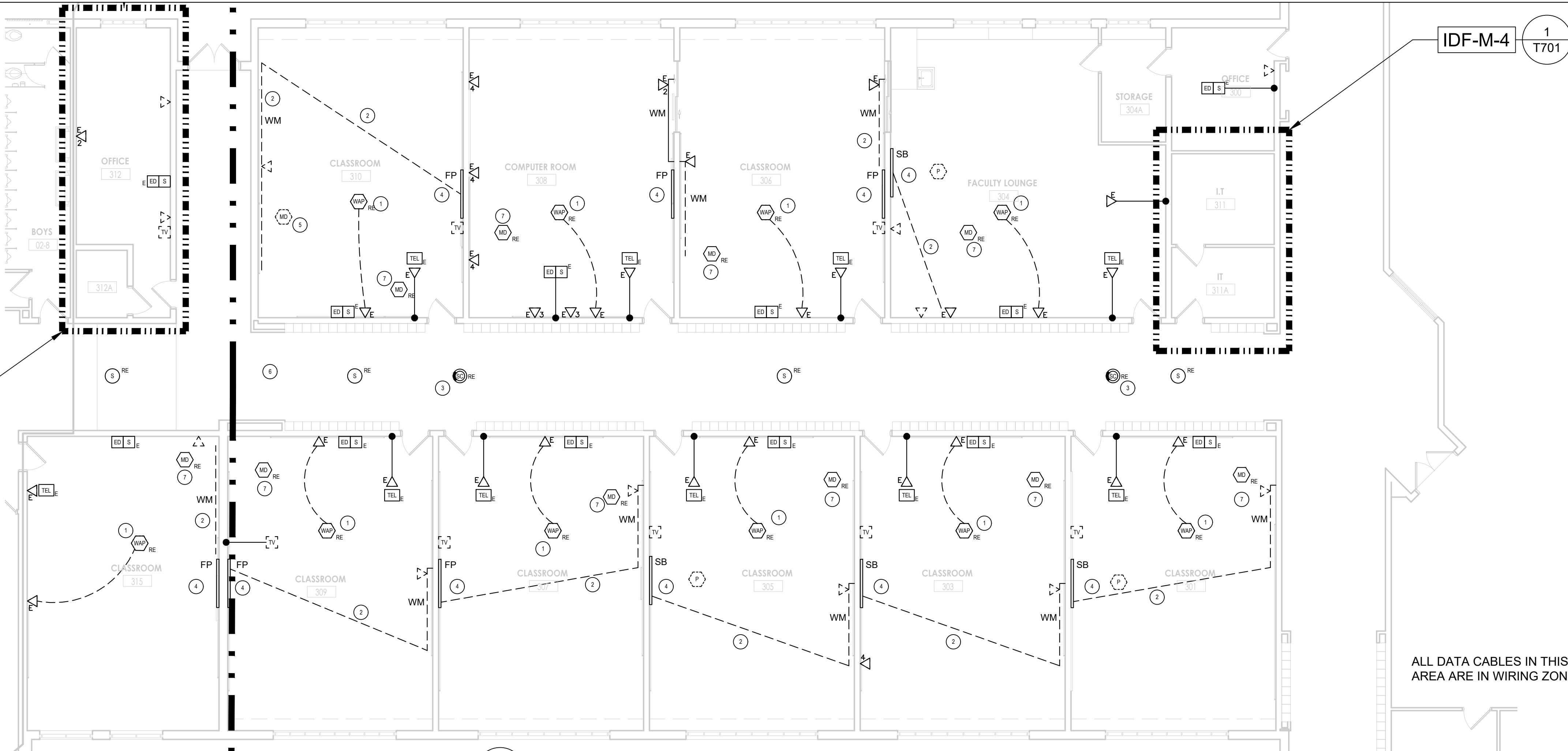
- A. THE DISTRICT WILL REMOVE TELEPHONES AND RE-INSTALL IN RENOVATED SPACES.
- B. THE DISTRICT WILL REMOVE FLAT PANELS AND SMART BOARDS AND REINSTALL IN ALL RENOVATED SPACES.
- C. ALL SPEAKER / ELECTRONIC DISPLAY CABINETS SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED. GENERAL CONTRACTOR WILL PROTECT DEVICES WHEN RE-PAINTING RENOVATED SPACES.

DRAWING NOTES

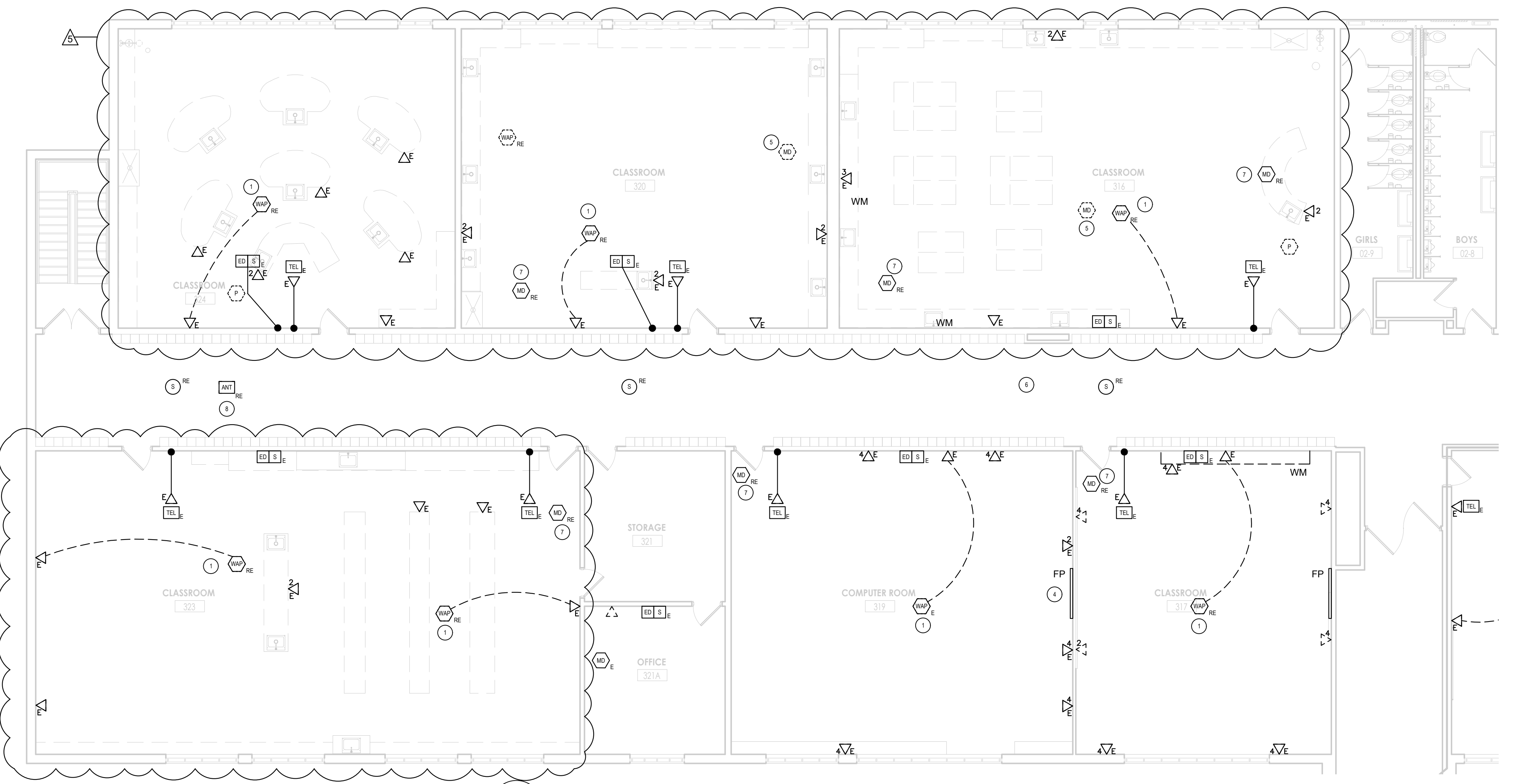
- 1 EXISTING CEILING WITHIN SPACE TO BE REMOVED. DISCONNECT, REMOVE AND STORE WIRELESS ACCESS POINT AND REINSTALL AS ON MAIN T-BAR WITH WAP MOUNTING BRACKET AS SHOWN ON NEW WORK DRAWINGS. COORDINATE MAC ADDRESS WITH DISTRICT IT DEPARTMENT. REUSE ALL EXISTING PATCH CABLES.
- 2 ALL CONTROL CABLING BETWEEN TEACHERS STATION, PROJECTORS AND FLAT PANELS TO BE REMOVED.
- 3 EXISTING CEILING WITHIN SPACE TO BE REMOVED. DISCONNECT, REMOVE AND STORE IP CAMERA AND REINSTALL AS SHOWN ON CAMERA MOUNTING DETAIL FOR LAY IN CEILINGS. COORDINATE MAC ADDRESS WITH DISTRICT IT DEPARTMENT. REUSE ALL EXISTING PATCH CABLES.
- 4 DISTRICT TO REMOVE EXISTING FLAT PANEL AND ASSOCIATED MOUNTING BRACKET.
- 5 REMOVE MOTION DETECTOR AND PULL WIRING BACK ABOVE CEILING FOR FUTURE USE. TAG WIRE AS INTRUSION DETECTION
- 6 CORRIDOR CEILING TO BE REMOVED AND RE-INSTALL. REMOVE CAMERAS AND SPEAKERS AND RE-INSTALL IN NEW CEILINGS. TAG ALL CABLES FOR RE-USE.
- 7 REMOVE EXISTING MOTION DETECTOR AND REINSTALL IN SIMILAR LOCATION ONCE NEW CEILING IS INSTALLED.
- 8 ROCKLAND COUNTY EMERGENCY MANAGEMENT DAS ANTENNA. REMOVE AND REINSTALL ANTENNA ON NEW CEILING. PROTECT ALL CABLES AND HARDWARE SUPPORTING THIS SYSTEM. COORDINATE WITH ROCKLAND COUNTY EMS.

ALL DATA CABLES IN THIS AREA ARE IN WIRING ZONE IDF-M-3

ALL DATA CABLES IN THIS AREA ARE IN WIRING ZONE IDF-M-4

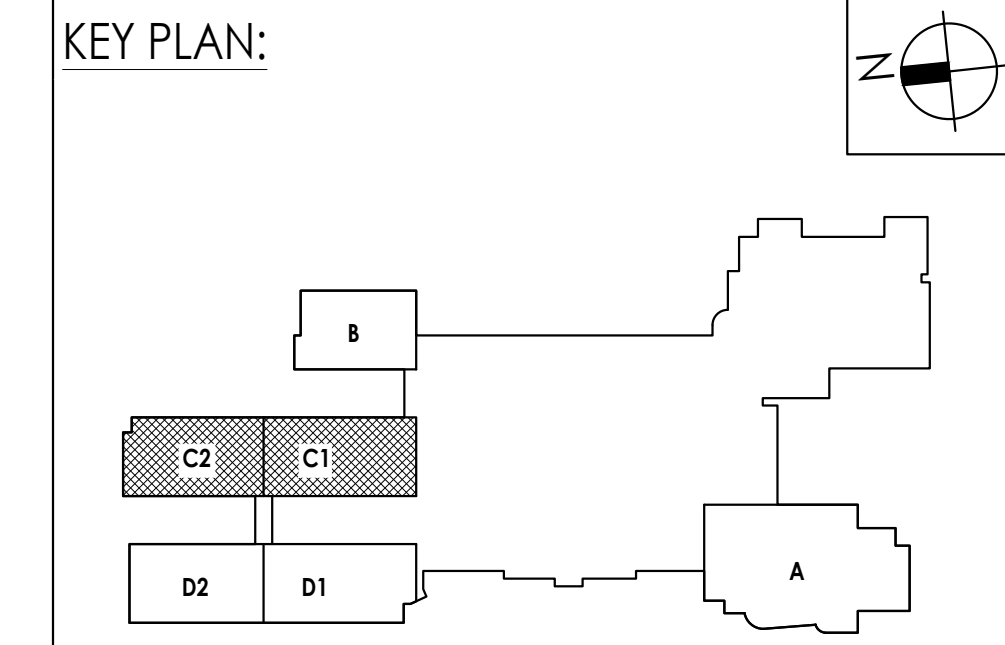


1
T101
FIRST FLOOR DEMOLITION PLAN - AREA C1
SCALE: 1/8" = 1'-0"

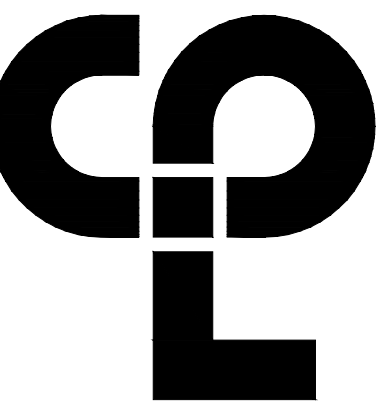


2
T101
FIRST FLOOR DEMOLITION PLAN - AREA C2
SCALE: 1/8" = 1'-0"

ALL DATA CABLES IN THIS AREA ARE IN WIRING ZONE IDF-M-3



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26 IBM Road
Poughkeepsie, NY 12601
CPLteam.com

NY ENGINEERING FIRM CERTIFICATE #0021419



PROJECT INFORMATION

Project Number
R22.14457.20

Client Name

**SOUTH ORANGETOWN CENTRAL
SCHOOL DISTRICT**

Project Name

PHASE 2: 2022 BOND

TAPPAN ZEE HIGH SCHOOL

Building Address
15 DUTCH HILL ROAD, ORANGETOWN, NY
10962

SED # 20-03-01-04-0-004-003

Revision/Issuance Date

Issuance Date 09/20/24

Anthony Marchetti 05/31/27

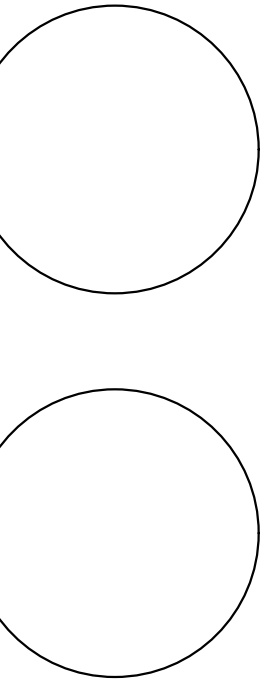
Dore Hoff 02/28/25

Jennifer Wengender 04/30/27

PROJECT ISSUE & REVISION SCHEDULE

Issue
5 11/19/2024 BID ADDENDUM #5

PROFESSIONAL STAMPS



NEW YORK STATE EDUCATION STATUTE
IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMPARTMENTED
REGULATIONS OF ANY PERSON UNLESS ACTING UNDER THE SUPERVISION OF A LICENSED
ARCHITECT, ENGINEER OR LAND SURVEYOR TO ALTER ANY DRAWING OR PLAN IN ANY MANNER
BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR LAND SURVEYOR, UNLESS THE ALTERING
PARTY SHALL HAVE THE SEAL THEREON, AND THE SIGNATURE AND DATE OF SUCH PERSON, AND A SPECIFIC DESCRIPTION OF THE
ALTERATION.

SHEET INFORMATION

Issued
10/25/24 Scale
AS INDICATED

Project Status
BID DOCUMENTS

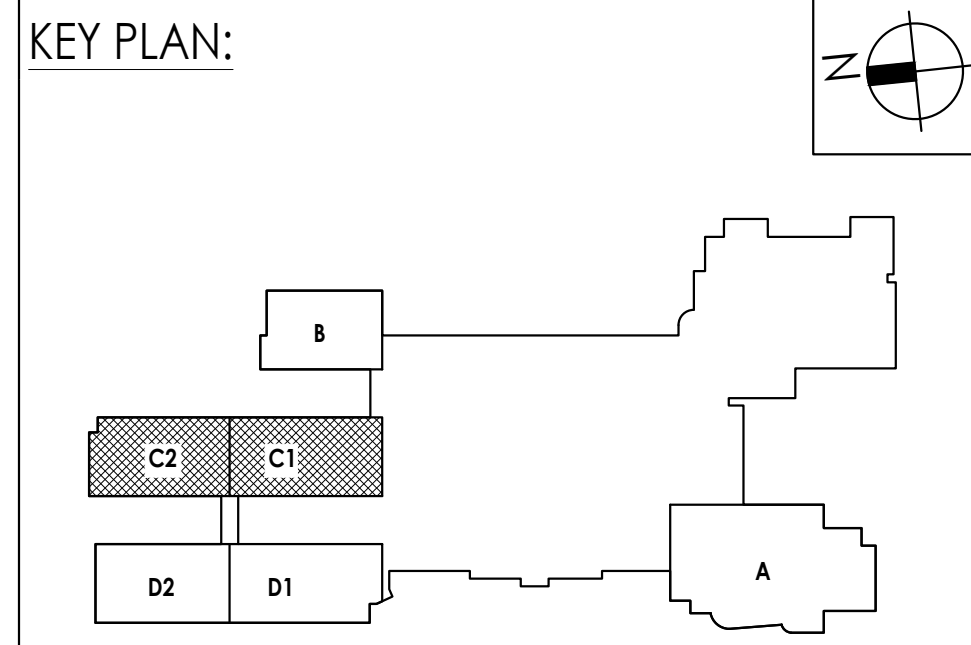
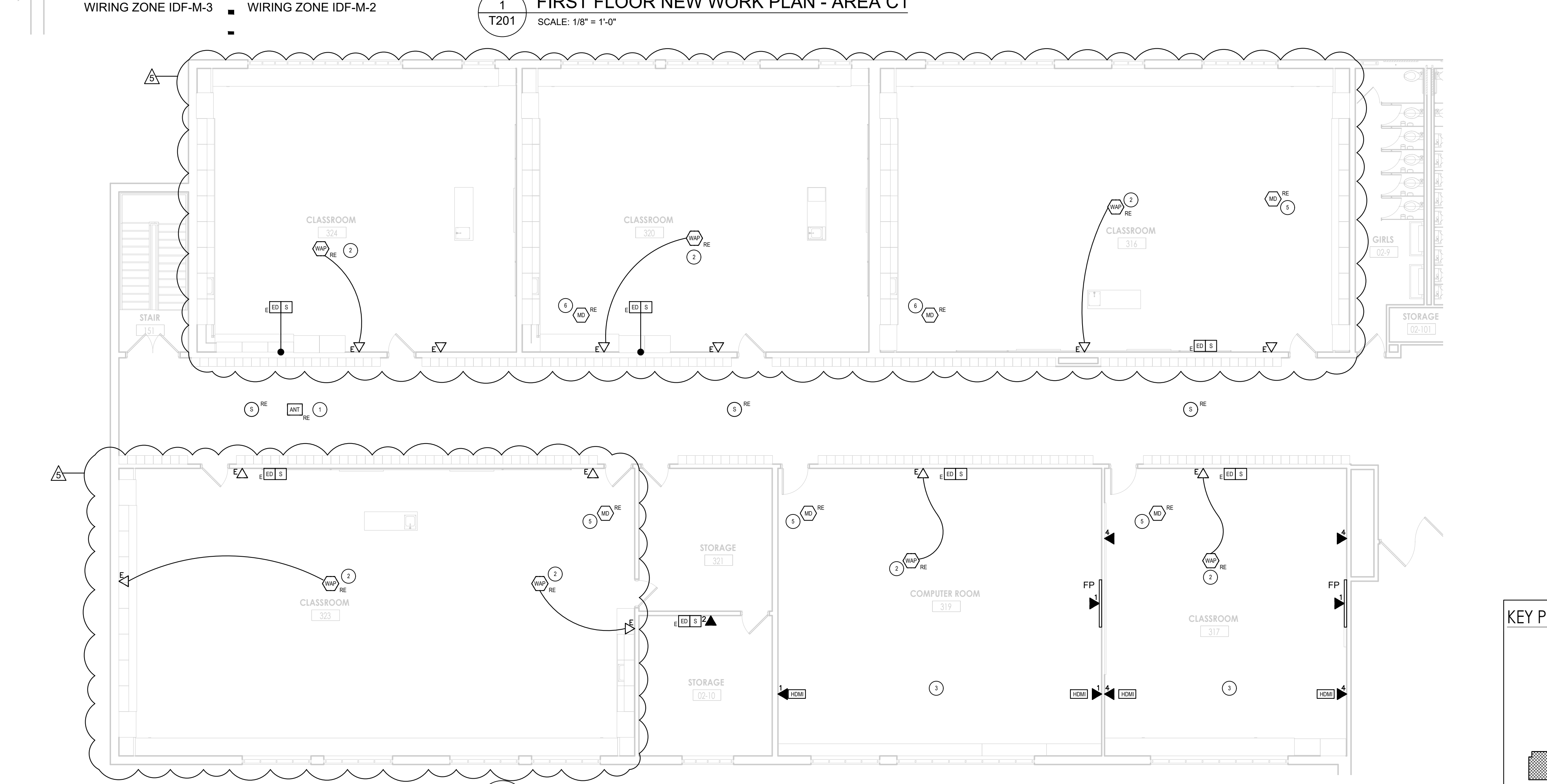
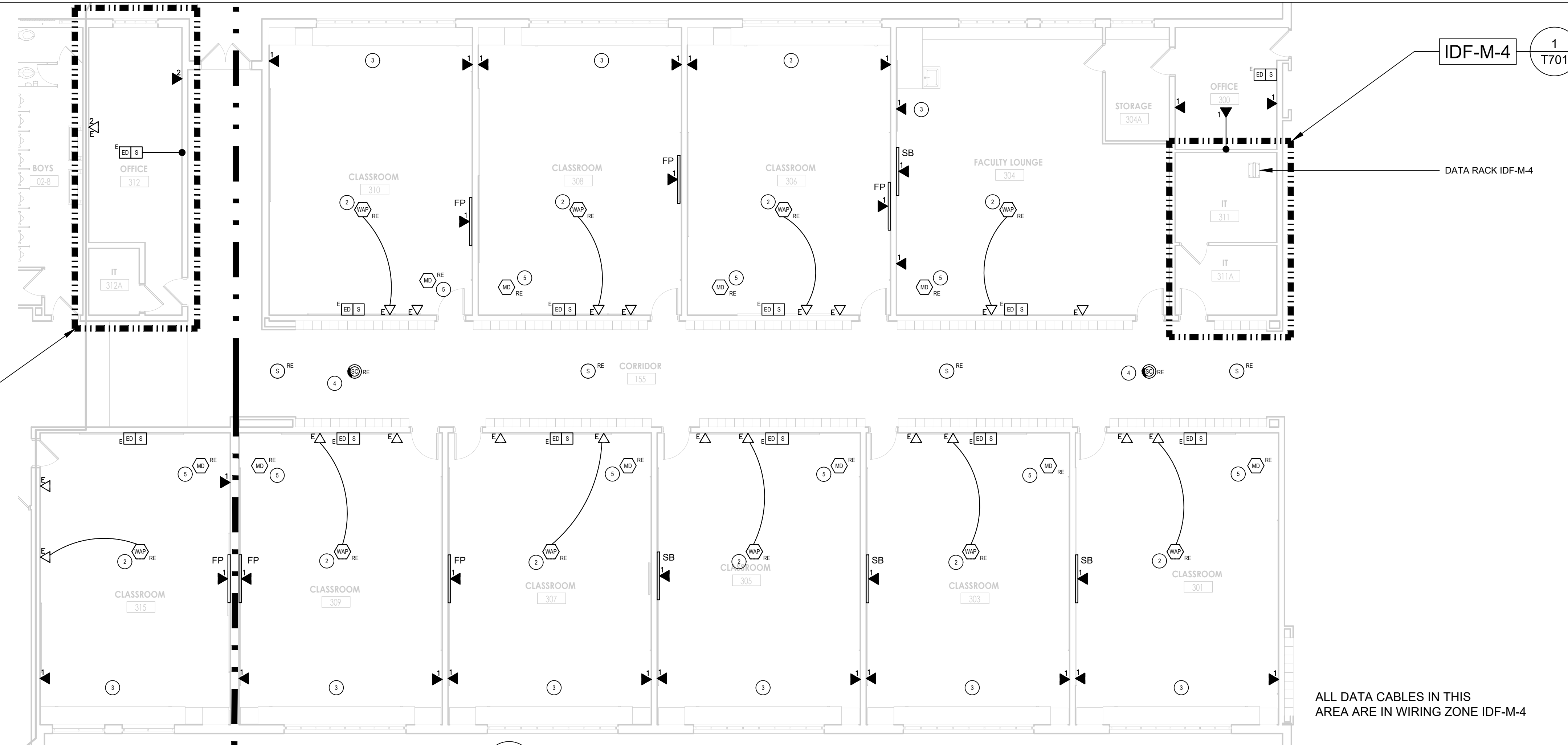
Drawn By
AH Checked By
BH

Drawing Title
**FIRST FLOOR NEW WORK PLAN -
AREA C**

Drawing Number
**TZHS
T201**

- GENERAL NOTES**
- THE DISTRICT WILL REMOVE TELEPHONES AND RE-INSTALL IN RENOVATED SPACES.
 - THE DISTRICT WILL REMOVE FLAT PANELS AND SMART BOARDS AND REINSTALL IN ALL RENOVATED SPACES.
 - ALL SPEAKER / ELECTRONIC DISPLAY CABINETS SHALL REMAIN IN PLACE UNLESS OTHERWISE NOTED. GENERAL CONTRACTOR WILL PROTECT DEVICES WHEN RE-PAINTING RENOVATED SPACES.
 - REFER TO DETAIL 1/T702 FOR CLASSROOM WIRING FOR FLAT PANELS AND DATA JACKS. TYPICAL ALL CLASSROOMS UNLESS OTHERWISE NOTED.

- DRAWING NOTES**
- ROCKLAND COUNTY 911 EMS ANTENNA SYSTEM. MAINTAIN SYSTEM INTEGRITY THROUGHOUT CONSTRUCTION PROJECT.
 - INSTALL RELOCATED WAP ON NEW CEILING. ATTACH T-BAR MOUNTING BRACKET TO MAIN CEILING T. PROVIDE A 20 FT. CAT 6 PATCH CABLE TO CONNECT TO EXISTING CAT 6 JACK THAT PREVIOUSLY SERVED WAP
 - INSTALL NEW DATA CABLES WITH ASSOCIATED HDMI AND USB CABLES FOR FLAT PANEL AT TEACHER'S STATIONS AS SHOWN ON DETAIL 1/T702.
 - RE-INSTALL EXISTING CAMERA ON NEW CEILING. CONNECT TO EXISTING NETWORK JACK ABOVE CEILING WITH NEW CAT 6 PATCH CABLE.
 - INSTALL MOTION DETECTOR ON NEW CEILING. EXTEND EXISTING INTRUSION SYSTEM WIRING AS REQUIRED.



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