

ADDENDUM NO. 01

PROJECT: Pleasantville Union Free School District
Phase 2 - 2019 Capital Improvements Project

CPL PROJECT NO. 15131.01

SED PROJECT NO.	Bedford Road School	66-08-09-03-0-009-005
	Pleasantville Middle School	66-08-09-03-0-003-023
	Pleasantville High School	66-08-09-03-0-001-018

DATE: March 5, 2020

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 The Bid date has changed to March 23, 2021. Time and place shall remain the same. An additional Pre-bid walk through is scheduled for March 11, 2021. Refer to the revised Ad for Bid Section 001112.
- 1.2 Refer to the attached sign in sheet from the February 25, 2021 Pre-Bid Walk Through.

TO THE PROJECT MANUAL:

2.1 Section 000110:

- 2.1.1 Under Division 01 AFTER Section 012100, add Section 012200 – Unit Prices.
- 2.1.2 Under Division 07, delete Section 070150.71 – Rehabilitation of Metal Roof.
- 2.1.3 Under Division 08 after Section 088000, add Section 088110 – Fire Rated Glazing.
- 2.1.4 Under Division 10, delete Section 105113 – Metal Lockers.

2.2 Section 000115:

- 2.2.1 Under Architectural, Delete Drawing BRS A102 and BRS A202.



2.2.2 Under Mechanical after BRS H200, add “PMS H101 – Middle School First Floor HVAC Demolition Plan- ALT-MC-01”

2.2.3 Under Electrical after PMS E101, add PMS E102 “Second Floor Electrical Demolition Plan”

2.3 Section 001112: Replace with the attached revised Section 001112.

2.4 Section 003113:

2.4.1 Add the attached school calendar to the end of the section.

2.4.2 Delete BRS Metal Roof Work from the Project Schedule.

2.4.3 Add to the Project Schedule: PHS Electrical Work start date 6/28/21; Substantial Completion Date 8/27/21.

2.5 Section 003126: Replace the duplicate Pleasantville High School Asbestos Report with the attached Bedford Road School Asbestos Report dated October 30, 2019.

2.6 Section 004010: Replace with the attached revised Section 004010.

2.7 Section 004020: Replace with the attached revised Section 004020.

2.8 Section 004040: Replace with the attached section 004030.

2.9 Section 011200:

2.9.1 Part 1.3.A.4, Revise to read, “Trenches for the Work for each contract shall be by that contract unless noted otherwise.”

2.9.2 Part 1.3.A.6, Revise to read, “Through Penetration firestopping for the work of each contract shall be by that contract unless noted otherwise.”

2.9.3 Part 1.3.A.7: Delete in its entirety.

2.9.4 Part 1.3.A.8: Delete in its entirety.

2.9.5 After Part 1.3.E: Add the following:

F. Each Contractor has been given the opportunity prior to bid to inspect the entire Project site for interferences to their Contract work and agrees to accept the site as it exists on the date of the bid opening.

1. It is the Owner's intention to continue to occupy the existing buildings and site



for normal School operations during the Construction process. The Contractors all agree to:

- a. Cooperate with the Owner's personnel in maintaining and facilitating access to the School buildings and its facilities by the School staff, Students, Owner's agents, service consultants and the public, throughout the construction process.
- b. Keep driveways and entrances serving the occupied School buildings clear and available to the Owner, the Owner's employees, the public, and to emergency vehicles at all times. Do not obstruct access to, or use these areas for parking, staging of equipment or materials. All access through these existing areas must be coordinated in advance and in accordance with the Owner's usage and occupancy schedule.
- c. Schedule construction operations so as to minimize any conflicts or interruptions to the daily school functions. Coordinate any necessary interruptions with the designated project representative.
- d. All existing Owner-occupied areas of buildings (not turned over to the Project Contractors) need to remain operational at all times. The contractors are responsible to maintain all systems, such as but not limited to egress, fire alarm, clocks, electric, public address system, gas service, heat etc.

G. Each Prime Contractor shall:

1. Strive to maintain a safe environment for its employees, clients and vendors. The prime contractors' efforts for an effective response to the Novel Coronavirus (COVID-19) Pandemic will be guided by and in accordance with all applicable federal, state and local laws and guidelines issued by public health authorities such as the Centers for Disease Control and other governmental agencies.
2. Provide field-engineering services, in addition to those provided by the General Work Prime Contract, to install site utilities included in the applicable Prime Contract.
3. Coordinate construction schedule information in order to formulate one master schedule for the entire Project.
4. Provide reflective vests to be worn by all on-site personnel at all times. Parties that do not abide by this requirement will be escorted off the premises.
5. Provide erosion and Sediment Control and dewatering as it relates to any excavation associated with its own Prime Contract.



6. Provide potable drinking water for its own employees.
7. Provide Sanitary Hand Solution and Personal Protective Equipment for its own employees.
8. Provide access to all concealed systems as required for system maintenance and repair for items installed in their Prime Contract. This specifically talks to access panels needed for future maintenance by the district.
9. Provide and maintain material lifting equipment required for the completion of their Contract requirements, and complying with NYS Labor Laws, OSHA Regulations, and other Federal, State, and local laws.
10. Provide and maintain additional temporary stairs, ladders, ramps, scaffolding, and platforms required specifically for completion of work of their own Contract, and as further detailed in this section. All work needs to comply with the NYS Labor Laws, OSHA regulation, and other Federal, State, and local laws.
11. Provide Fire Prevention materials and equipment for fire protection related to the work of their own Prime Contract. Provide fire extinguishers, fire blankets, and fire watch during all cutting and welding operations.
12. Provide any supplemental lighting required to install the work of its own Contract, beyond the minimum OSHA levels provided under the Electrical Work Prime Contract.
13. Provide any supplemental heat required to install the work of its own Contract, beyond the levels owed by the General Work Contractor.
14. Provide traffic control for deliveries, and equipment needed to perform the work of their own Prime Contract.
15. Provide protection of its own finished Work, after installation, until accepted by the Owner.
16. Provide fire caulking for any penetration related to the work for its own Prime Contract.
17. Provide any office and storage trailers required to complete the work of their own Prime Contract.
18. Provide final cleaning as specified.



- a. Provide for a thorough final cleaning of the site, building, and equipment provided under their Prime Contract immediately before the final inspection. Each Prime Contractor is responsible for cleaning and dust and debris generated from the work of their own Contract.
- b. Maintain areas in a cleaned condition until the Owner occupies the space.
- c. Personnel: Experienced workman or professional cleaners approved by the Architect.

2.9.6 Part 1.5.A.8: At the end of the last sentence add, “Refer to drawing PMS A201 for slab infill detail.”

2.9.7 Part 1.5.B: At the end add the following:

“5. All Prefix “G” Drawings”

2.9.8 After Part 1.5.B add the following:

C. Work in the Mechanical Construction Contract includes, but is not limited to, the following:

1. Each Contractor to coordinate their own work with all other Contractors
2. Selective demolition.
3. Refrigerant Recovery.
4. Provide and install Ductwork, supports, grilles, louvers, valves, dampers hatches, insulation and applicable accessories.
5. Provide and install control valves and applicable controlling devices.
6. Provide and install new HVAC equipment controls.
7. Provide and install all equipment as per the schedule on the “H” drawings
8. Provide and install Mechanical piping and applicable accessories including insulation.
9. Clean existing ductwork prior to system startup, replace filters as needed.
10. Provided in wall cores, openings, etc. for system/equipment penetrations. Firestop all wall penetrations.



11. Provide all startup, chemicals, testing, inspection, permits, balancing, commissioning.
12. Salvage and re-install work as applicable.
13. Balancing of HVAC system.
14. Provide and install Bathroom fixtures and applicable accessories.
15. Provide and install Drains, cleanouts, vents etc.
16. Provide wet pipe sprinkler systems including valves and applicable accessories.
17. Provide and install Piping, shutoffs, hoses, valves, and applicable accessories including insulation.
18. Provided in-wall cores, openings, etc. for system/equipment penetrations, firestopping.
19. Provide all testing, inspection, permits.
20. Provide all startup, chemicals, testing, inspection, permits, balancing, commissioning.
21. Provide shoring, excavation, backfill and restoration for trenched utilities and disturbed areas for installation of Plumbing scope of Work.
22. This contractor to include 15 additional valves of various sizes to replace or install new at the direction of the Owner.
23. Provide Training on new systems and equipment.

2.9.9 Part 1.6.C: At the end add the following:

“4. All Prefix “G” Drawings”

2.9.10 After Part 1.6.C, add the following:

D. Work in the Electrical Construction Contract includes, but is not limited to, the following:

1. Each Contractor to coordinate their own work with all other Contractors.
2. Selective demolition.



3. Provide and install conduit, wire, grounding, terminations, tagging/labeling of new work.
 4. Provide and install Fire Alarm System including FACP, smoke, strobes, horns, CO2, annunciator panels, and ancillary devices coordinated with the HVAC equipment.
 5. Provide and install electrical equipment such as transformers, junction boxes, panels, breakers, enclosures, switch gear, pull boxes, supports.
 6. Provide and coordinate for new Con Edison Service Upgrades. All coordination, fees and set up with Con Edison will be by this trade.
 7. Provide and install power to all mechanical equipment.
 8. Provide power to abatement contractors equipment, including their own power panels.
 9. Salvage all required equipment and re-install as applicable.
 10. Provide Interior and exterior lighting including aisle lighting and emergency and exit lighting and control devices.
 11. Provide all communication devices, low voltage wiring.
 12. Provided in wall cores, openings, etc. for system/equipment penetrations, firestopping.
 13. Provide all testing, grounding, inspection, permits.
 14. Provide shoring, excavation, backfill and restoration for trenched utilities and disturbed areas for installation of Electrical scope of Work. Include lighting foundations, manholes, pullboxes, etc. for a complete scope or work.
-
- 2.10 Section 012100: Replace with the attached revised Section 012100.
 - 2.11 After Section 012100, Add the attached new Section 012200.
 - 2.12 Section 012300: Replace with the attached revised Section 012300.
 - 2.13 Section 015001: At the end of the Section, insert the attached Logistics Plans.
 - 2.14 Section 070150.71: Delete in its entirety.



- 2.15 Section 087100: Replace with the attached revised Section 087100.
- 2.16 Section 088000: Replace with the attached revised Section 088000.
- 2.17 After Section 088000, add the attached new Section 088110.
- 2.18 Section 105113: Delete in its entirety.

TO THE DRAWINGS:

- 3.1 Drawing BRS A101: Revise portion of drawing per the attached sketch AD01-A02.
- 3.2 Drawing BRS A102: Delete in its entirety.
- 3.3 Drawing BRS A201: Revise portion of drawing per the attached sketch AD01-A02.
- 3.4 Drawing BRS A202: Delete in its entirety.
- 3.5 Drawing PHS A201: Revise portion of drawing per the attached sketch AD01-A01.
- 3.6 Drawing PHS A203: Replace with the attached revised drawing PHS A203.
- 3.7 Drawing PMS HZ 101 and PMS HZ 102: Revise Asbestos Abatement Keynote A4 to read, “Base Bid: Cut VAT at face of existing UV. Alternate GC-5: Remove VAT and mastic under UV. UV to be removed by MC.”
- 3.8 Drawing PMS HZ 102: Delete Callout 2/A102 ALT GC-2.
- 3.9 Drawing PMS A101: Demolition Keynote D15; Revise to read, “Existing beam to be salvaged and reinstalled in new location. Cut hanging structure back to accommodate new ceiling and ductwork.”
- 3.10 Drawing PMS A201:
 - 3.10.1 Replace with the attached revise Drawing PMS A201.
- 3.11 Drawing PMS A202:
 - 3.11.1 Revise New Construction Keynote 11 to read, “Install new VCT in location of unit ventilator as part of Alternate GC-5.”
 - 3.11.2 Add “ALT GC-4” adjacent to Keynote 1 in Corridor 232.
- 3.12 Drawing GEN A801: Replace with the attached revised Drawing GEN A801.
- 3.13 Drawing GEN A802: Replace with the attached revised Drawing GEN A802.



- 3.14 Drawing GEN A803: Replace with the attached revised Drawing GEN A803.
- 3.15 After Drawing BRS H200, add the attached new Drawing PMS H101.
- 3.16 Drawing PMS E001: Replace with the attached revised PMS E001.
- 3.17 Drawing PMS E002: Replace with the attached revised PMS E002.
- 3.18 Drawing PMS E101: Replace with the attached revised PMS E101.
- 3.19 After drawing PMS E101, add the attached new Drawing PMS E102.
- 3.20 Drawing PMS E201: Replace with the attached revised PMS E201.
- 3.21 Drawing PMS P200: Replace with the attached revised PMS P200.

END OF ADDENDUM NO. 01

Pleasantville Union Free School District
Pleasantville Bedford Road School, Middle School and High School
Phase 2 Renovations

Pre-Bid Meeting
February 25, 2021

Attendee Sign-in Sheet

Name	Firm	Phone Number	E-mail Address
Chuck Fuoco	Page Contracting	(914) 494-9012	CFuoco777@aol.com
Dave Stack	ALL BRIGHT Elec.	845-358-1200	dstack@allbrightelectric.com
Anthony Spadaro	Pierotti cor	914-557-2405	AnthonyS@pierotticorp.com
Jimmy FINGERI	FINGERI ELECTRIC	914 528-5945	MIKE@FECCORP.NET

dstack@allbright

SECTION 001112 – ADVERTISEMENT FOR BIDS

The Pleasantville Union Free School District (Owner) invites bids for ***“Phase 2: 2019 Capital Improvements Project”*** which involves construction at Bedford Road School, 289 Bedford Road, Pleasantville, NY 10570, Pleasantville Middle School, 40 Romer Ave. Pleasantville, NY 10570, and Pleasantville High School, 60 Romer Ave. Pleasantville, NY 10570,

Separate sealed bids will be received at the **Pleasantville Union Free School District Office (attention: Timothy Whipple, Assistant Superintendent for Business) 60 Romer Ave. Pleasantville, NY 10570, until 3:00pm (local time) on March 23, 2021** at which time they will be publicly opened and read aloud. Bids received after that time will not be accepted.

The Work of the project will be let for the following Contracts:

Contract 1	General Construction Work
Contract 2	Mechanical Work
Contract 3	Electrical Work

Complete digital sets of Bidding Documents, drawings and specifications, may be obtained online as a download at www.cplplanroom.com under 'public projects' for a non-refundable reproduction fee of \$49.00.

Complete sets of Bidding Documents, Drawings and Specifications, may be obtained from Rev, 330 Route 17A, Suite #2, Goshen, New York 10924 Tel: 1-877-272-0216, for a refundable reproduction fee of \$100.00 for each combined set of documents. Checks or money orders shall be made payable to Pleasantville Union Free School District. Any bidder requiring documents to be shipped shall make arrangements with the printer and pay for all packaging and shipping costs.

All bid addenda will be transmitted to registered plan holders via email and will be available at www.cplplanroom.com. Plan holders who have paid for hard copies of the bid documents will need to make the determination if hard copies of the addenda are required for their use and coordinate directly with the printer for hard copies of addenda to be issued. There will be no charge for registered plan holders to obtain hard copies of the bid addenda.

A Bidder, upon 1) making the deposit required for the Bid Documents, 2) submitting a Proposal accompanied by a certified check or other security in accordance with the requirements contained in the plans and specifications and public advertisement for bids, and 3) returning the plans and specifications used by such Bidder in good condition within thirty (30) days following the award of the Contract, or rejection of the Bid, shall have returned to them the full amount of the deposit for one copy of the plans and specifications.

Bidding Documents may be examined on or after **February 19, 2021** at the following locations:

1. www.cplplanroom.com
2. Eastern Contractors Association, Inc., 6 Airline Drive, Albany, NY 12205-1095, 518-869-096
3. McGraw Hill Construction (Dodge): 71 Fuller Road, Albany, NY 12205, phone:1-800-393-6343, fax: 518-725-4733, e-mail: Support@construction.com
4. Pleasantville Union Free School District Office 60 Romer Ave. Pleasantville, NY 10570.

A Pre-Bid Meeting/walk-through for this Project will be held on **March 11, 2021**, starting at **3:00pm**, at the Pleasantville High School Administration Entrance (at the front circle) 60 Romer Ave. Pleasantville, NY 10570. Attendance by bidders is strongly recommended, but not required, for submitting a bid.

Attention of the Bidder is particularly called to the Owner's sales tax exemption, the requirements as to conditions of employment to be observed, and the minimum wage rates to be paid under the Contract. In addition, the Bidding Documents contain detailed requirements for the qualification of Bidders. These include, among other things, rigid bonding and insurance requirements, financial statements, bank references, lists of lawsuits, arbitrations or other proceedings in which the Bidder has been named as a party, a statement of surety's intent to issue Performance and Payment Bonds, and a description of other projects of similar size and scope completed by the Bidder.

Bids shall be prepared as set forth in "INSTRUCTIONS TO BIDDERS", enclosed in a sealed envelope bearing on its face the name and address of the Bidder and the title of the Work to which the bid enclosed relates.

Each Bidder shall deposit with its bid, security in an amount not less than five percent (5%) of the base bid in the form and subject to the conditions provided in the "INSTRUCTIONS TO BIDDERS."

No Bidder may withdraw his bid within forty-five (45) days after the actual bid opening.

The Owner reserves the right to waive any and all informalities in, or to reject, any or all bids.

The Owner further reserves its right to disqualify Bidders for any material failure to comply with the "INSTRUCTIONS TO BIDDERS".

**PLEASANTVILLE UNION FREE SCHOOL DISTRICT
60 ROMER AVENUE
PLEASANTVILLE, NEW YORK 10570**

END OF SECTION 00 1112

Pleasantville Union Free School District

2020-21 Calendar

S	M	T	W	TH	F	S	SEPTEMBER
		1	2	3	4	5	
6	7	8	9	10	11	12	2,3,8,9 Supt Conf Days
13	14	15	16	17	18	19	7 Labor Day
20	21	22	23	24	25	26	10 Schools Open
27	28	29	30				28 Yom Kippur

S	M	T	W	TH	F	S	FEBRUARY
	1	2	3	4	5	6	15-19 Winter Recess
7	8	9	10	11	12	13	
14	15	16	17	18	19	20	
21	22	23	24	25	26	27	
28							

S	M	T	W	TH	F	S	OCTOBER
				1	2	3	12 Columbus Day
4	5	6	7	8	9	10	
11	12	13	14	15	16	17	
18	19	20	21	22	23	24	
25	26	27	28	29	30	31	

S	M	T	W	TH	F	S	MARCH
	1	2	3	4	5	6	29-31 Spring Recess
7	8	9	10	11	12	13	
14	15	16	17	18	19	20	
21	22	23	24	25	26	27	
28	29	30	31				

S	M	T	W	TH	F	S	NOVEMBER
1	2	3	4	5	6	7	3 Election Day/Supt Conf Day 11 Veterans Day 26-27 Thanksgiving
8	9	10	11	12	13	14	
15	16	17	18	19	20	21	
22	23	24	25	26	27	28	
29	30						

S	M	T	W	TH	F	S	APRIL
				1	2	3	1-2 Spring Recess
4	5	6	7	8	9	10	
11	12	13	14	15	16	17	
18	19	20	21	22	23	24	
25	26	27	28	29	30		

S	M	T	W	TH	F	S	DECEMBER
		1	2	3	4	5	24-31 Holiday Recess
6	7	8	9	10	11	12	
13	14	15	16	17	18	19	
20	21	22	23	24	25	26	
27	28	29	30	31			

S	M	T	W	TH	F	S	MAY
						1	31 Memorial Day
2	3	4	5	6	7	8	
9	10	11	12	13	14	15	
16	17	18	19	20	21	22	
23	24	25	26	27	28	29	
30	31						

S	M	T	W	TH	F	S	JANUARY
					1	2	1 New Year's Day 18 Martin Luther King
3	4	5	6	7	8	9	
10	11	12	13	14	15	16	
17	18	19	20	21	22	23	
24	25	26	27	28	29	30	

S	M	T	W	TH	F	S	JUNE
		1	2	3	4	5	25 Last Day of School
6	7	8	9	10	11	12	
13	14	15	16	17	18	19	
20	21	22	23	24	25	26	
27	28	29	30				

Pleasantville Union Free School District
60 Romer Avenue, Pleasantville, NY 10570



2021-2022 Calendar

S	M	T	W	TH	F	S	SEPTEMBER
			1	2	3	4	1 SCD 2 Schools Open 6 Labor Day 7-8 Rosh Hashana 16 Yom Kippur
5	6	7	8	9	10	11	
12	13	14	15	16	17	18	
19	20	21	22	23	24	25	
26	27	28	29	30			

S	M	T	W	TH	F	S	FEBRUARY
		1	2	3	4	5	21 President's Day 21-25 Winter Recess
6	7	8	9	10	11	12	
13	14	15	16	17	18	19	
20	21	22	23	24	25	26	
27	28						

S	M	T	W	TH	F	S	OCTOBER
					1	2	8 SCD 11 Columbus Day
3	4	5	6	7	8	9	
10	11	12	13	14	15	16	
17	18	19	20	21	22	23	
24	25	26	27	28	29	30	
31							

S	M	T	W	TH	F	S	MARCH
		1	2	3	4	5	18 SCD
6	7	8	9	10	11	12	
13	14	15	16	17	18	19	
20	21	22	23	24	25	26	
27	28	29	30	31			

S	M	T	W	TH	F	S	NOVEMBER
	1	2	3	4	5	6	2 Election Day/SCD 11 Veteran's Day 24 Rapid Dismissal Day 25-26 Thanksgiving
7	8	9	10	11	12	13	
14	15	16	17	18	19	20	
21	22	23	24	25	26	27	
28	29	30					

S	M	T	W	TH	F	S	APRIL
					1	2	11-15 Spring Recess
3	4	5	6	7	8	9	
10	11	12	13	14	15	16	
17	18	19	20	21	22	23	
24	25	26	27	28	29	30	

S	M	T	W	TH	F	S	DECEMBER
			1	2	3	4	Dec 24-Jan 2 Holiday Recess
5	6	7	8	9	10	11	
12	13	14	15	16	17	18	
19	20	21	22	23	24	25	
26	27	28	29	30	31		

S	M	T	W	TH	F	S	MAY
1	2	3	4	5	6	7	30 Memorial Day
8	9	10	11	12	13	14	
15	16	17	18	19	20	21	
22	23	24	25	26	27	28	
29	30	31					

S	M	T	W	TH	F	S	JANUARY
						1	Dec 24-Jan 2 Holiday Recess 17 Martin Luther King Jr.
2	3	4	5	6	7	8	
9	10	11	12	13	14	15	
16	17	18	19	20	21	22	
23	24	25	26	27	28	29	
30	31						

S	M	T	W	TH	F	S	JUNE
			1	2	3	4	19 (20) Juneteenth 24 Last Day of School for Students
5	6	7	8	9	10	11	
12	13	14	15	16	17	18	
19	20	21	22	23	24	25	
26	27	28	29	30			

SCD: Superintendent's Conference Day



Quality Environmental Solutions & Technologies, Inc.

**LIMITED PRE-CONSTRUCTION INSPECTION
FOR
ASBESTOS-CONTAINING MATERIALS (ACM)**

for

**CLARK PATTERSON LEE
ARCHITECTURE & ENGINEERING
30 Century Hill Drive
Suite 104
Latham, NY 12110**

at

**PLEASANTVILLE UFSD
BEDFORD ROAD SCHOOL
289 Bedford Road
Pleasantville, NY 10570**

Project #Q19-2856

QuES&T

Quality Environmental Solutions & Technologies, Inc.

October 30, 2019

Clark Patterson Lee Architecture & Engineering
30 Century Hill Drive
Suite 104
Latham, NY 12110

ATTN: Lauren Tarsio

Via Email: ltarsio@cplteam.com

Re: Pleasantville UFSD - Bedford Road School
289 Bedford Road, Pleasantville, New York 10570
Limited Pre-Construction Asbestos Inspection
QuES&T Project #Q19-2856

Dear Ms. Tarsio,

Attached is the Limited Pre-Construction Inspection Report for Asbestos-containing Materials (ACM) identified throughout interior and/or exterior areas included within the above-referenced location(s) by **Quality Environmental Solutions & Technologies, Inc. (QuES&T)**. The inspection included visual assessment and representative sampling for the detection of ACM in compliance with the requirements of Title 12 NYCRR Part 56-5.1.

The attached report summarizes the inspection protocol and inspection results for your review. **QuES&T** believes this report accurately reflects the material condition existing in the functional spaces at the time of our inspection.

Should you wish to discuss this matter further or require additional information concerning this submittal, please contact us at (845) 298-6031. **QuES&T** appreciates the opportunity to assist Clark Patterson Lee Architecture & Engineering in the environmental services area.

Sincerely,



Rudy Lipinski - LEED®AP
Director of Field Operations
NYS/AHERA Inspector/Project Designer
Cert. #AH 05-09049



Quality Environmental Solutions & Technologies, Inc.

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Appendix A: ACM Location Drawings

Appendix B: Sample Results

Appendix C: Personnel Licenses & Certifications

I. INTRODUCTION:

Quality Environmental Solutions & Technologies, Inc. (**QuES&T**) performed a Limited Pre-Construction Asbestos Survey, in conformance with Title 12 NYCRR Part 56-5.1, on September 30, 2019 for Clark Patterson Lee Architecture & Engineering in support of Phase I – 2019 Capital Improvements Project at Pleasantville UFSD's Bedford Road School, located at 289 Bedford Road, Pleasantville, NY 10570. The survey included a visual inspection / assessment for Presumed Asbestos-containing Materials (PACM) and suspect miscellaneous Asbestos-containing Materials (ACM) throughout accessible interior and/or exterior locations to be affected by future renovations, as outlined in written narratives and associated drawings provided by Ms. Lauren Tarsio, of Clark Patterson Lee Architecture & Engineering.

QuES&T established functional spaces based either on physical barriers (i.e. walls, doors, etc.) or homogeneity of material. Within each functional space identified, a visual inspection was performed using reasonable care and judgment, to identify and assess location, quantity, friability and condition of all accessible installed ACM building materials observed at the affected portion of the building/structure.

Limited localized demolition of building surfaces was performed, as part of this survey, to access concealed surfaces. No disassembly of installed equipment was conducted as part of this inspection. ACM concealed within structural components and equipment interiors or that is accessible only through extensive mechanical or structural demolition may not have been identified as part of this survey. When any construction activity, such as demolition, remodeling, renovation or repair work, reveals PACM or suspect miscellaneous ACM that has not been identified, as part of this survey, all construction activities shall cease in the affected area.

The survey included both visual inspection of accessible spaces and representative sampling of suspect building materials for ACM. Samples collected were analyzed by a laboratory approved under the New York State Department of Health Environmental Laboratory Approval Program (NYSDOH ELAP). Samples were analyzed in the laboratory by Polarized Light Microscopy (PLM), Polarized Light Microscopy-NOB (PLM-NOB) and/or Quantitative Transmission Electron Microscopy (QTEM), as required. Sample collection and laboratory analysis were conducted in compliance with the requirements of Title 12 NYCRR Part 56-5.1, 29 CFR 1926.1101 and standard EPA & OSHA accepted methods. Samples consisting of multiple layers were separated and analyzed independently in the laboratory.

Certified **QuES&T** personnel (Appendix C), Mr. Todd McAfee (Cert. #AH 12-10881) performed visual assessments throughout interior and/or exterior construction areas. A total of forty-six (**46**) samples of installed and accessible suspect building materials were analyzed by a laboratory approved under the NYSDOH ELAP. Eighteen (18) samples were analyzed using Polarized Light Microscopy (PLM) for friable materials; fourteen (14) samples were analyzed using Polarized Light Microscopy (PLM-NOB) for non-friable organically bound materials; and fourteen (14) samples were analyzed by Confirmatory-QTEM following negative-determinations using PLM-NOB protocols.

II. INSPECTION SUMMARY:

A visual inspection was performed and homogenous material types were established based on appearance, color and texture. The findings presented in this report are based upon reasonably available information and observed site conditions at the time the assessment was performed. The findings and conclusions of this report are not meant to be indicative of future conditions at the site and does not warrant against conditions that were not evident from visual observations or historical information obtained from others.

Representative bulk sampling was performed on suspect building materials for laboratory analysis using PLM, PLM-NOB, and/or QTEM. The following is a summary of installed building materials sampled:

- Wall Materials – Cove Base Molding and Adhesive, Structural Beam Spray-on Fireproofing, Sheetrock, Joint Compound, Ceramic Tile Grout and Mortar, Brick and Mortar.
- Ceiling Materials – 2'x4' Ceiling Tiles, 2'x2' Ceiling Tiles.
- Flooring Materials – 1'x1' Floor Tiles and Mastic, Leveling Compound.
- Miscellaneous Materials – Door Frame Caulk.

III. IDENTIFIED ASBESTOS-CONTAINING MATERIALS (ACM):
(Please see attached Drawings for approx. ACM locations)

KEY: **ACM** = Materials containing greater than 1% of asbestos;
LF = Linear Feet; **SF** = Square Feet; **PACM** = Presumed Asbestos-containing Materials;
Friable = ACM capable of being released into air, and which can be crumbled, pulverized, powdered, crushed or exposed by hand-pressure.

Location	Material	Approx. Qty.	Friable?	Condition
-----------------	-----------------	---------------------	-----------------	------------------

INTERIORS/EXTERIORS

BEDFORD ROAD SCHOOL – PHASE I CONSTRUCTION AREAS

***** No Asbestos-containing Materials (ACM) identified upon laboratory analysis of samples collected by a NYSDOH ELAP approved laboratory in relation to the stated scope of work. *****

IV. GENERAL DISCUSSION:

All construction personnel as well as individuals who have access to locations where asbestos containing materials (ACM) exists should be informed of its presence and the proper work practices in these areas. Conspicuous labeling of all ACM is suggested to ensure personnel is adequately informed. Personnel should be informed not to rest, lean or store material or equipment on or near these surfaces and not to cut, saw, drill, sand or disturb ACM. All removal, disturbance, and repair of ACM should be performed in compliance with Title 12 NYCRR Part 56 by persons properly trained to handle ACM. Facility custodial and maintenance personnel should receive training commensurate with their work activities; as defined in 29 CFR 1910.1001.

The findings presented in this report are based upon reasonably available information and observed site conditions at the time the assessment was performed. Conditions may have changed since that time and the findings and conclusions of this report are not meant to be indicative of future conditions at the Site. This report does not warrant against conditions that were not evident from visual observations or historical information obtained, or conditions that could only be determined by physical sampling or other intrusive investigation techniques that are outside the proposed scope of work.

V. ABATEMENT REQUIRED:

As specified in Title 12 NYCRR Part 56-5.1 (h) and (i), "If the building/structure asbestos survey finds that the portion of the building/structure to be demolished, renovated, remodeled, or have repair work contains ACM, PACM, suspect miscellaneous ACM assumed to be ACM, or asbestos material, which is impacted by the work, the owner or the owner's agent shall conduct, or cause to have conducted, asbestos removal performed by a licensed asbestos abatement contractor in conformance with all standards set forth in this Part. All ACM, PACM, suspect miscellaneous ACM assumed to be ACM, or asbestos material impacted by the demolition, renovation, remodeling or repair project shall be removed as per this Part, prior to access or disturbance by other uncertified trades or personnel. No demolition, renovation, remodeling or repair work shall be commenced by any owner or the owner's agent prior to the completion of the asbestos abatement in accordance with the notification requirements of this Part...All building/structure owners and asbestos abatement contractors on a demolition, renovation, remodeling, or repair project, which includes work covered by this part, shall inform all trades on the work site about PACM, ACM, asbestos material and suspect miscellaneous ACM...Bids may be advertised and contracts awarded for demolition, remodeling, renovation, or repair work, but no work on the current intermediate portion of the project shall commence on the demolition, renovation, remodeling or repair work by any owner or agent prior to completion of all necessary asbestos abatement work for the current intermediate portion of the entire project, in conformance with all standards set forth in this Part."

Prior to conducting demolition or construction work at the building, all ACM affected/impacted by such activities shall be removed utilizing a licensed asbestos abatement contractor and NYSDOL/EPA/NYC certified personnel prior to construction/demolition activities. All work conducted should be in accordance with all legal requirements, including but not limited to U.S. Environmental Protection Agency (EPA) National Emissions Standards for Hazardous Air Pollutants (NESHAP) [40 CFR Part 61], New York State Industrial Code Rule 56 Asbestos Regulations (ICR 56) and Chapter 1 of Title 15 of the Rules of the City of New York Regulations, as applicable. Advance notification of the asbestos project to the USEPA, NYSDOL, and NYCDEP may be required.

All suspect building materials not sampled during this survey should be considered ACM until these materials are sampled and analyzed for ACM in the laboratory. Concealed ACM: In addition to the ACMs identified at the site, there is a possibility that concealed ACM may exist at the subject facility. As such, if any concealed suspect ACM is encountered during future construction related activities, the work should immediately stop. Prior to resuming the work, the suspect ACM should either be 1) Sampled by an appropriately-certified asbestos professional and submitted to an Approved NYSDOH ELAP laboratory for asbestos analysis or 2) Presumed to be ACM (PACM) and removed by a licensed asbestos abatement contractor for disposal in accordance with all applicable regulations.

VI. DISCLAIMERS

It should be noted that the information contained within this report is based solely upon site observations and the results of laboratory analysis for samples collected by **QuES&T**. These observations and results are time dependent, subject to changing site conditions and revisions to Federal, State and Local regulations. **QuES&T** warrants that these findings have been promulgated after being prepared in general accordance with generally accepted practices in the abatement industries. **QuES&T** also recognizes that inspection laboratory data is not usually sufficient to make all abatement and management decisions.

Due to the potential for concealed Asbestos-containing Materials (ACM) or other regulated materials, this report should not be construed to represent all ACM or regulated materials within the site(s). All quantities of ACM or other regulated materials identified, and all dimensions listed within this report are approximate and should be verified On-site.

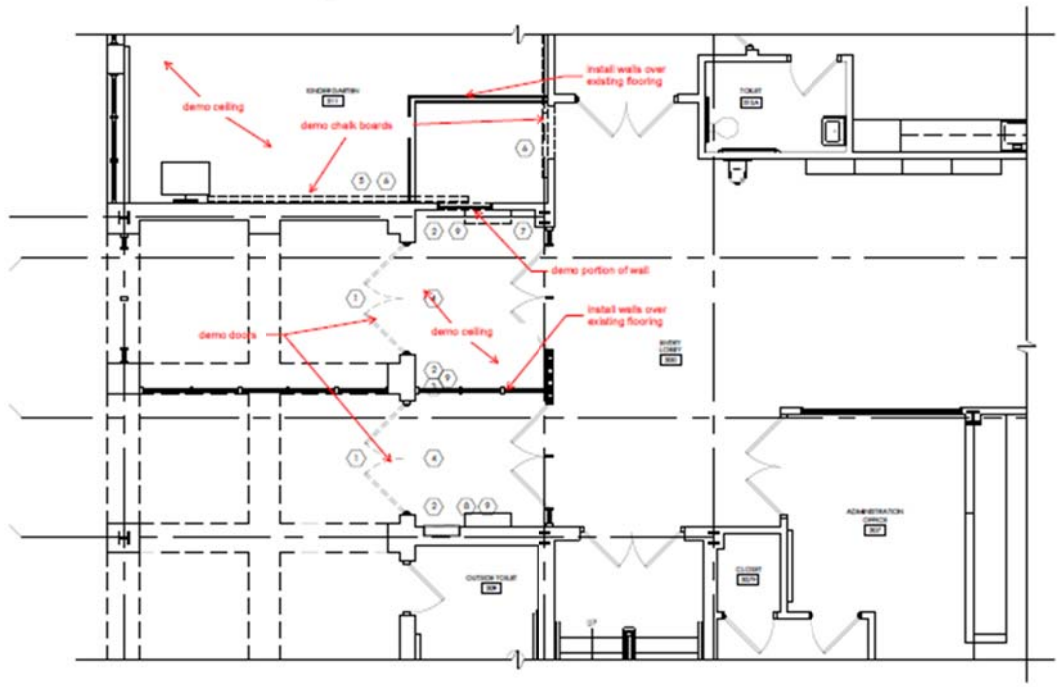
This inspection report is not intended to be used as the sole basis for soliciting pricing for asbestos abatement. An abatement plan, specification, drawing and/or Variances should be developed to identify scope, timing, phasing and remediation means & methods for any asbestos project. The Linear and/or Square Footages (LF / SF) listed within this Report are only approximates. Abatement Contractor(s) are required to visit the building(s) in order to take actual field measurements within each listed location.



Quality Environmental Solutions & Technologies, Inc.

Appendix A: ACM LOCATION DRAWINGS

PLEASANTVILLE UFSD - BEDFORD ROAD SCHOOL



ACM LEGEND: (Refer to asbestos report for details)	
Note	No ACM Identified



Third Floor Key Plan - ACM Locations

****Drawing Not to Scale****
This Drawing is not intended to be used as the sole basis for soliciting pricing for asbestos abatement. An abatement plan, specification, drawing and/or variances should be developed to identify scope, timing, phasing and remediation means & methods for any asbestos project.

CLARK PATTERSON LEE
ARCHITECTURE & ENGINEERING
30 Century Hill Drive
Suite 104
Latham, NY 12110

BEDFORD ROAD SCHOOL
289 Bedford Road
Pleasantville, NY 10570



Quality Environmental
Solutions & Technologies, Inc.
1376 Route 9
Wappingers Falls, NY 12590
Phone: (845) 298-6031
Fax: (845) 298-6251

Date: 10/30/2019
Version # 1

Issued For:
Asbestos Survey

Project NO:
Q19-2856

Project Manager:
RWL

Drawing Prepared By:
RWL

ASB-01



Quality Environmental Solutions & Technologies, Inc.

Appendix B: SAMPLE RESULTS



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031924583

Customer ID: QUES51

Customer PO:

Project ID:

Attention: Quality Environmental Solution & Tech
1376 Route 9
Wappingers Falls, NY 12590

Phone: (845) 298-6031

Fax: (845) 298-6251

Received Date: 10/01/2019 10:27 AM

Analysis Date: 10/06/2019 - 10/07/2019

Collected Date: 09/30/2019

Project: Q19-2856/ CLARK PATTERSON LEE/ 30 CENTURY HILL DR, SUITE 104, LATHAM NY 12110/
PLEASANTVILLE UFSD-3 SCHOOLS BEDFORD RD ES-LTD ASBESTOS SURVEY

Test Report:Asbestos Analysis of Bulk Material

		Non-Asbestos			
Test	Analyzed Date	Color	Fibrous	Non-Fibrous	Asbestos
Sample ID	2856-BRS-01 031924583-0001	Description	VESTIBULE, ON METAL STRUCTURAL BEAM - SPRAY-ON FIREPROOFING		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/06/2019	Gray/ White	45.00% Min. Wool	20.00% Ca Carbonate 5.00% Mica 30.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	2856-BRS-02 031924583-0002	Description	ROOM 311, ON STRUCTURAL BEAM - SPRAY-ON FIREPROOFING		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/06/2019	Gray/ White	45.00% Min. Wool	20.00% Ca Carbonate 5.00% Mica 30.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	2856-BRS-03 031924583-0003	Description	ROOM 311, ON STRUCTURAL BEAM - SPRAY-ON FIREPROOFING		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/06/2019	White	4.00% Cellulose 50.00% Min. Wool	20.00% Ca Carbonate 26.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID	2856-BRS-04 031924583-0004	Description	ROOM 311, WALL - SHEETROCK		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/06/2019	Gray	8.00% Cellulose	40.00% Gypsum 52.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial report from: 10/07/2019 00:45:24



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031924583

Customer ID: QUES51

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 2856-BRS-05 031924583-0005		Description	ENTRANCE VESTIBULE, WALL - SHEETROCK		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/07/2019	Gray	10.00% Cellulose	45.00% Non-fibrous (other) 45.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 2856-BRS-06 031924583-0006		Description	ROOM 311, WALL, ON SHEETROCK - JOINT COMPOUND		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/06/2019	White		50.00% Ca Carbonate 1.00% Mica 49.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 2856-BRS-07 031924583-0007		Description	ENTRANCE VESTIBULE, WALL, ON SHEETROCK - JOINT COMPOUND		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/06/2019	White		50.00% Ca Carbonate 1.00% Mica 49.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 2856-BRS-08 031924583-0008		Description	HALLWAY, WALL, ON SHEETROCK - JOINT COMPOUND		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/07/2019	White		50.00% Ca Carbonate 50.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 2856-BRS-09 031924583-0009		Description	ENTRANCE VESTIBULE, WALL, ON CERAMIC TILE - GROUT		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/06/2019	Gray		30.00% Ca Carbonate 20.00% Non-fibrous (other) 50.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial report from: 10/07/2019 00:45:24



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

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EMSL Order: 031924583

Customer ID: QUES51

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 2856-BRS-10 031924583-0010		Description	ENTRANCE VETIBULE, WALL, ON CERAMIC TILE - GROUT		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/07/2019	Gray		20.00% Ca Carbonate 30.00% Non-fibrous (other) 50.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 2856-BRS-11 031924583-0011		Description	ENTRANCE VESTIBULE, WALL, BEHIND CERAMIC TILE, ON SHEETROCK - MORTAR		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/06/2019	White	7.00% Cellulose	35.00% Ca Carbonate 18.00% Non-fibrous (other) 40.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 2856-BRS-12 031924583-0012		Description	ENTRANCE VESTIBULE, WALL, BEHIND CERAMIC TILE, ON SHEETROCK - MORTAR		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/07/2019	White	8.00% Cellulose	42.00% Non-fibrous (other) 50.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 2856-BRS-13 031924583-0013		Description	ENTRANCE VESTIVULE, FLOOR, UNDER CARPET, ON CONCRETE SLAB - LEVELING COMPOUND		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/06/2019	Gray		60.00% Ca Carbonate 40.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 2856-BRS-14 031924583-0014		Description	ENTRANCE VESTIVULE, FLOOR, UNDER CARPET, ON CONCRETE SLAB - LEVELING COMPOUND		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/07/2019	Brown/ Gray		20.00% Ca Carbonate 30.00% Non-fibrous (other) 50.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial report from: 10/07/2019 00:45:24



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031924583

Customer ID: QUES51

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 2856-BRS-15-Brick 031924583-0015		Description	EXTERIOR, FAÇADE - BRICK AND MORTAR		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/06/2019	Red		65.00% Non-fibrous (other) 35.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 2856-BRS-15-Mortar 031924583-0015A		Description	EXTERIOR, FAÇADE - BRICK AND MORTAR		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/06/2019	Gray		25.00% Ca Carbonate 30.00% Non-fibrous (other) 45.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 2856-BRS-16-Brick 031924583-0016		Description	EXTERIOR, FAÇADE - BRICK AND MORTAR		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/07/2019	Red		92.00% Non-fibrous (other) 8.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 2856-BRS-16-Mortar 031924583-0016A		Description	EXTERIOR, FAÇADE - BRICK AND MORTAR		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	10/07/2019	Gray		18.00% Ca Carbonate 37.00% Non-fibrous (other) 45.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial report from: 10/07/2019 00:45:24



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031924583

Customer ID: QUES51

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods . The reference number for these samples is the EMSL Order ID above . Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 10/1/2019

Sample Receipt Time: 10:27 AM

Analysis Completed Date: 10/6/2019

Analysis Completed Time: 1:33 PM

Analyst(s):

Christopher Cernansky PLM NYS 198.1 Friable (10)

Chad Layne PLM NYS 198.1 Friable (8)

Samples reviewed and approved by:

James Hall, Laboratory Manager
or Other Approved Signatory

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non -asbestos containing.

All samples examined for the presence of vermiculite when analyzed via NYS 198.1.

-NYS Guidelines for Vermiculite containing samples are available at http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance_Rev070913.pdf EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations . Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government . This report may contain data that is not covered by the NVLAP accreditation .

Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Initial report from: 10/07/2019 00:45:24

031924583

QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC.

BULK SAMPLE FORMCLIENT: Clark Patterson LeeSAMPLED BY: Todd McAfeeADDRESS: 30 Century Hill Dr, Suite 104DATE SAMPLED: 30-Sep-19Latham, NY 12110CONTACT: Lauren TarsioANALYSIS METHOD: PLMPROJECT ID: Pleasantville UFSD - 3 Schools

TURN-AROUND TIME: _____ HOURS

Bedford Rd ES - Ltd. Asbestos Survey5 DAYSPROJECT #: Q19-2856

DAYS

ATTN: LAB PLEASE EMAIL A CLEAN COPY OF RESULTS TO tmcafee@qualityenv.com THANKS

SAMPLE # LAB#	LOCATION	SAMPLE DESCRIPTION	COMMENTS
2856-BRS-01	Vestibule, on Metal Structural Beam	Spray-on Fireproofing	
2856-BRS-02	Room 311, on Structural Beam	Spray-on Fireproofing	
2856-BRS-03	Room 311, on Structural Beam	Spray-on Fireproofing	
2856-BRS-04	Room 311, Wall	Sheetrock	
2856-BRS-05	Entrance Vestibule, Wall	Sheetrock	
2856-BRS-06	Room 311, Wall, on Sheetrock	Joint Compound	
2856-BRS-07	Entrance Vestibule, Wall, on Sheetrock	Joint Compound	
2856-BRS-08	Hallway, Wall, on Sheetrock	Joint Compound	
2856-BRS-09	Entrance Vestibule, Wall, on Ceramic Tile	Grout	
2856-BRS-10	Entrance Vestibule, Wall, on Ceramic Tile	Grout	

ATTN: LAB PLEASE EMAIL A CLEAN COPY OF RESULTS TO tmcafee@qualityenv.com THANKS

CHAIN OF CUSTODY (SEE LAST PAGE)

SUBMITTED BY: _____

DATE: 9/30/19RECEIVED BY: Lauren TarsioDATE: 10/1/19 9:50AMPAGE 1 OF 2
 19 OCT - 1 AM 10:27
 EHS LABORATORY LAB
 RECEIVED

QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC.

BULK SAMPLE FORM

CLIENT: Clark Patterson Lee SAMPLED BY: Todd McAfee
ADDRESS: 30 Century Hill Dr, Suite 104 DATE SAMPLED: 30-Sep-19
Latham, NY 12110
CONTACT: Lauren Tarsio ANALYSIS METHOD: PLM CC
PROJECT ID: Pleasantville UFSD - 3 Schools TURN-AROUND TIME: _____ HOURS
Bedford Rd ES - Ltd. Asbestos Survey 5 DAYS
PROJECT #: Q19-2856 DAYS

ATTN: LAB PLEASE EMAIL A CLEAN COPY OF RESULTS TO tmcafee@qualityenv.com THANKS			
SAMPLE # LAB#	LOCATION	SAMPLE DESCRIPTION	COMMENTS
2856-BRS-11	Entrance Vestibule, Wall, behind Ceramic Tile, on Sheetrock	Mortar	19 OCT - 1 AM 10: 27 EHS LAB RECEIVED
2856-BRS-12	Entrance Vestibule, Wall, behind Ceramic Tile, on Sheetrock	Mortar	
2856-BRS-13	Entrance Vestibule, Floor, under Carpet, on Concrete Slab	Leveling Compound	
2856-BRS-14	Entrance Vestibule, Floor, under Carpet, on Concrete Slab	Leveling Compound	
2856-BRS-15	Exterior, Façade	Brick and Mortar (Separate Layers)	
2856-BRS-16	Exterior, Façade	Brick and Mortar (Separate Layers)	
ATTN: LAB PLEASE EMAIL A CLEAN COPY OF RESULTS TO tmcafee@qualityenv.com THANKS			

CHAIN OF CUSTODY (SEE LAST PAGE)

SUBMITTED BY: [Signature]DATE: 9/30/19RECEIVED BY: [Signature]DATE: 10/1/19 10:27 AM 9:56 AM

PAGE 2 OF 2



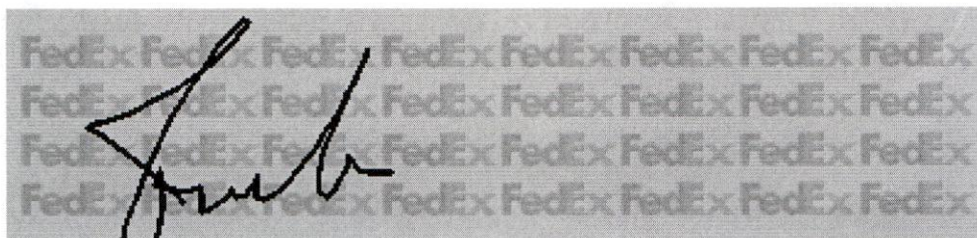
October 1, 2019

Dear Customer:

The following is the proof-of-delivery for tracking number **790990688196**.

Delivery Information:

Status:	Delivered	Delivered to:	Receptionist/Front Desk
Signed for by:	J.ULIA	Delivery location:	307 W 38TH ST New York, NY 10018
Service type:	FedEx Priority Overnight	Delivery date:	Oct 1, 2019 09:56
Special Handling:	Deliver Weekday		



Shipping Information:

Tracking number:	790990688196	Ship date:	Sep 30, 2019
		Weight:	1.0 lbs/0.5 kg

Recipient:

Sample Receiving
EMSL Analytical, Inc.
307 West 38th Street
New York, NY 10018 US

Reference**RMA****Shipper:**

Contact Name:
Quality Environmental Solution & Te
1376 Route 9
Wappingers Falls, NY 12590 US

ARL-WEB(A)

QUES51

Thank you for choosing FedEx.



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031924605

Customer ID: QUES51

Customer PO:

Project ID:

Attention: Quality Environmental Solution & Tech

1376 Route 9

Wappingers Falls, NY 12590

Phone: (845) 298-6031

Fax: (845) 298-6251

Received Date: 10/01/2019 9:56 AM

Analysis Date: 10/05/2019 - 10/06/2019

Collected Date: 09/30/2019

Project: Q19-2856 / CLARK PATTERSON LEE / PLEASANTVILLE UFSD - 3 SCHOOLS / BEDFORD RD ES - LTD.
ASBESTOS SURVEY

Test Report:Asbestos Analysis of Bulk Material

		Non-Asbestos			
Test	Analyzed Date	Color	Fibrous	Non-Fibrous	Asbestos
Sample ID 2856-BRS-17 031924605-0001		Description	ROOM 311, SUSPENDED CEILING, 2' X 4' - CEILING TILE		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/05/2019	Beige	7.10% Glass 3.40% Min. Wool	90.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/06/2019	Beige		100.00% Other	None Detected
Sample ID 2856-BRS-18 031924605-0002		Description	ROOM 311, SUSPENDED CEILING, 2' X 4' - CEILING TILE		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/05/2019	Beige	9.20% Glass 6.00% Min. Wool	85.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/06/2019	Beige		100.00% Other	None Detected
Sample ID 2856-BRS-19 031924605-0003		Description	EXTRANCE VESTIBULE, SUSPENDED CEILING, 2' X 2' - CEILING TILE		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/05/2019	Beige	1.50% Glass	98.50% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/06/2019	Beige		100.00% Other	None Detected
Sample ID 2856-BRS-20 031924605-0004		Description	EXTRANCE VESTIBULE, SUSPENDED CEILING, 2' X 2' - CEILING TILE		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/05/2019	Beige	<1.00% Glass	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/06/2019	Beige		100.00% Other	None Detected
Sample ID 2856-BRS-21-Floor Tile 031924605-0005		Description	ROOM 311, FLOOR, 1' X 1' - FLOOR TILE AND MASTIC		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/05/2019	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/06/2019	Beige		100.00% Other	None Detected

Initial report from: 10/06/2019 14:59:52



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com / manhattanlab@emsl.com>

EMSL Order: 031924605

Customer ID: QUES51

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 2856-BRS-21-Mastic 031924605-0005A		Description Homogeneity	ROOM 311, FLOOR, 1' X 1' - FLOOR TILE AND MASTIC Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/05/2019	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/06/2019	Black		100.00% Other	None Detected
Sample ID 2856-BRS-22-Floor Tile 031924605-0006		Description Homogeneity	ROOM 311, FLOOR, 1' X 1' - FLOOR TILE AND MASTIC Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/05/2019	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/06/2019	Beige		100.00% Other	None Detected
Sample ID 2856-BRS-22-Mastic 031924605-0006A		Description Homogeneity	ROOM 311, FLOOR, 1' X 1' - FLOOR TILE AND MASTIC Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/05/2019	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/06/2019	Black		100.00% Other	None Detected
Sample ID 2856-BRS-23-Cove Base 031924605-0007		Description Homogeneity	ROOM 311, WALL - COVE BASE MOLDING AND ADHESIVE Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/05/2019	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/06/2019	Beige		100.00% Other	None Detected
Sample ID 2856-BRS-23-Mastic 031924605-0007A		Description Homogeneity	ROOM 311, WALL - COVE BASE MOLDING AND ADHESIVE Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/05/2019	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/06/2019	Beige		100.00% Other	None Detected
Sample ID 2856-BRS-24-Cove Base 031924605-0008		Description Homogeneity	ROOM 311, WALL - COVE BASE MOLDING AND ADHESIVE Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/05/2019	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/06/2019	Beige		100.00% Other	None Detected

Initial report from: 10/06/2019 14:59:52



EMSL Analytical, Inc.

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<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031924605

Customer ID: QUES51

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 2856-BRS-24-Mastic 031924605-0008A		Description Homogeneity	ROOM 311, WALL - COVE BASE MOLDING AND ADHESIVE Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/05/2019	Beige		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/06/2019	Beige		100.00% Other	None Detected
Sample ID 2856-BRS-25 031924605-0009		Description Homogeneity	ENTRANCE VESTIBULE, DOOR CASING TO FAÇADE - CAULK Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/05/2019	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/06/2019	White		100.00% Other	None Detected
Sample ID 2856-BRS-26 031924605-0010		Description Homogeneity	ENTRANCE VESTIBULE, DOOR CASING TO FAÇADE - CAULK Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	10/05/2019	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	10/06/2019	White		100.00% Other	None Detected

Initial report from: 10/06/2019 14:59:52



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031924605

Customer ID: QUES51

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 10/1/2019

Sample Receipt Time: 9:56 AM

Analysis Completed Date: 10/5/2019

Analysis Completed Time: 11:17 PM

Analyst(s):

Angelica Aquino PLM NYS 198.6 NOB (14)

Isaac Mendez TEM NYS 198.4 NOB (14)

Samples reviewed and approved by:

James Hall, Laboratory Manager
or Other Approved Signatory

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non -asbestos containing.

All samples examined for the presence of vermiculite when analyzed via NYS 198.1.

-NYS Guidelines for Vermiculite containing samples are available at http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance_Rev070913.pdf EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. This report may contain data that is not covered by the NVLAP accreditation.

Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Initial report from: 10/06/2019 14:59:52

031924605

QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC.

BULK SAMPLE FORMCLIENT: Clark Patterson LeeSAMPLED BY: Todd McAfeeADDRESS: 30 Century Hill Dr, Suite 104DATE SAMPLED: 30-Sep-19Latham, NY 12110CONTACT: Lauren TarsioANALYSIS METHOD: QTEM/PLM-NOB *sf*PROJECT ID: Pleasantville UFSD - 3 Schools

TURN-AROUND TIME: _____ HOURS

Bedford Rd ES - Ltd. Asbestos Survey5 DAYSPROJECT #: Q19-2856

DAYS

ATTN: LAB PLEASE EMAIL A CLEAN COPY OF RESULTS TO tmcafee@qualityenv.com THANKS

SAMPLE # LAB#	LOCATION	SAMPLE DESCRIPTION	COMMENTS
2856-BRS-17	Room 311, Suspended Ceiling, 2'x4'	Ceiling Tile	<i>19 OCT - 1 AM 10:15</i> ENSL MANHATTAN LAB RECEIVED
2856-BRS-18	Room 311, Suspended Ceiling, 2'x4'	Ceiling Tile	
2856-BRS-19	Entrance Vestibule, Suspended Ceiling, 2'x2'	Ceiling Tile	
2856-BRS-20	Entrance Vestibule, Suspended Ceiling, 2'x2'	Ceiling Tile	
2856-BRS-21	Room 311, Floor, 1'x1'	Floor Tile and Mastic (Separate Layers)	
2856-BRS-22	Room 311, Floor, 1'x1'	Floor Tile and Mastic (Separate Layers)	
2856-BRS-23	Room 311, Wall	Cove Base Molding and Adhesive (Separate Layers)	
2856-BRS-24	Room 311, Wall	Cove Base Molding and Adhesive (Separate Layers)	
2856-BRS-25	Entrance Vestibule, Door Casing to Façade	Caulk	
2856-BRS-26	Entrance Vestibule, Door Casing to Façade	Caulk	

ATTN: LAB PLEASE EMAIL A CLEAN COPY OF RESULTS TO tmcafee@qualityenv.com THANKS

CHAIN OF CUSTODY (SEE LAST PAGE)

SUBMITTED BY: _____

DATE: 9/30/19RECEIVED BY: Paul HoburgDATE: 10/1/19 9:56 AMPAGE 1 OF 1

031924605



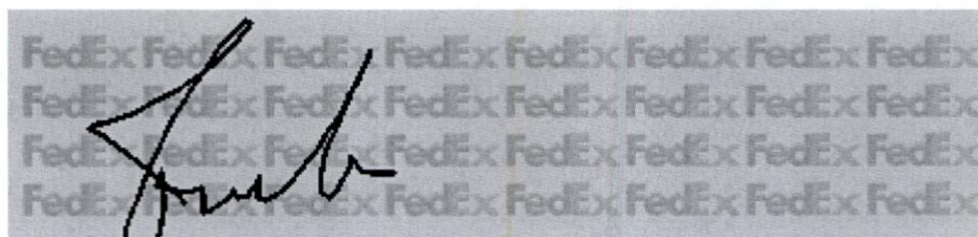
October 1, 2019

Dear Customer:

The following is the proof-of-delivery for tracking number **790990688196**.

Delivery Information:

Status:	Delivered	Delivered to:	Receptionist/Front Desk
Signed for by:	J.ULIA	Delivery location:	307 W 38TH ST New York, NY 10018
Service type:	FedEx Priority Overnight	Delivery date:	Oct 1, 2019 09:56
Special Handling:	Deliver Weekday		



Shipping Information:

Tracking number:	790990688196	Ship date:	Sep 30, 2019
		Weight:	1.0 lbs/0.5 kg

Recipient:

Sample Receiving
EMSL Analytical, Inc.
307 West 38th Street
New York, NY 10018 US

Reference**RMA****Shipper:**

Contact Name:
Quality Environmental Solution & Te
1376 Route 9
Wappingers Falls, NY 12590 US

ARL-WEB(A)

QUES51

Thank you for choosing FedEx.



Quality Environmental Solutions & Technologies, Inc.

Appendix C: PERSONNEL LICENSES & CERTIFICATIONS

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2020
Issued April 01, 2019

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. JAMES HALL
EMSL ANALYTICAL, INC
307 WEST 38TH STREET SUITE 901
NEW YORK, NY 10018

NY Lab Id No: 11506

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Asbestos-Vermiculite-Containing Material	Item 198.8 of Manual



Serial No.: 59684

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Quality Environmental Solutions & Technologies, Inc.

1376 Route 9

Wappinger Falls, NY 12590

FILE NUMBER: 99-0018

LICENSE NUMBER: 29085

LICENSE CLASS: RESTRICTED

DATE OF ISSUE: 01/03/2019

EXPIRATION DATE: 01/31/2020

Duly Authorized Representative – Lawrence J Holzapfel:

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.



Eileen M. Franko, Director
For the Commissioner of Labor



NEW YORK STATE
MINORITY- AND WOMEN-OWNED BUSINESS
ENTERPRISE ("MWBE")
CERTIFICATION

Empire State Development's Division of Minority and Women's Business
Development grants a

Women Business Enterprise (WBE)

pursuant to New York State Executive Law, Article 15-A to:

Quality Environmental Solutions & Technologies Inc.

Certification Awarded on: March 28, 2019

Expiration Date: March 28, 2022

File ID#: WBE- 49952



**Division of Minority
and Women's
Business Development**

A Division of Empire State Development



Division of Minority
and Women's
Business Development

New York State Department of Economic Development
633 Third Avenue New York New York 10017 Tel 212 803 2414
Web Site: www.esd.ny.gov/MWBE/html

March 28, 2019

File ID: 49952

Quality Environmental Solutions & Technologies Inc. will be listed in New York State's Directory of Certified Businesses with the following list of codes for products and services:

NAICS 541620: ENVIRONMENTAL CONSULTING SERVICES

NIGP 91843: ENVIRONMENTAL CONSULTING

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



RUDY W. LIPINSKI
CLASS(EXPIRES)
C ATEC(01/20) D INSP(01/20)
E MGPL(01/20) H PM (01/20)
I PD (01/20)

CERT# 05-09049
DMV# 252360689

MUST BE CARRIED ON ASBESTOS PROJECTS



01213 004874388 46

EYES BRO
HAIR BRO
HGT 6' 05"

IF FOUND RETURN TO:
NYS DOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



TODD J MCAFEE

CLASS(EXPIRES)

C ATEC(12/19) D INSP(12/19)

E MGPL(12/19) H PM (12/19)

I PD (12/19)

CERT# 12-10881
DMV# 238089839

MUST BE CARRIED ON ASBESTOS PROJECTS



01213 004872650 90

EYES BLU

HAIR BRO

HGT 5' 08"

IF FOUND RETURN TO:

NYS DOL - L&C UNIT

ROOM 161A BUILDING 12

STATE OFFICE CAMPUS

ALBANY NY 12240

SECTION 004010 - FORM OF PROPOSAL – GENERAL CONSTRUCTION

To: _____ Dated: _____

From: _____ (Name of Bidder)
 _____ (Address of Bidder)

1.1 GENERAL

- A. Pursuant to, and in compliance with, the Procurement and Contracting Requirements, Conditions of the Contract, relative thereto and all of the Contract Documents, including any Addenda issued by the Architect and mailed or delivered to the undersigned prior to the opening of Bids, whether received by the undersigned or not, we, _____ having visited the site and being familiar with all conditions and requirements of the Work, _____ hereby propose to furnish all plant, labor, supplies, materials and equipment incidental to GENERAL CONSTRUCTION WORK as required by and in strict accord with the applicable provisions of the Drawings and Specifications entitled Phase 2 – 2019 Capital Improvements Project all to the satisfaction and approval of the Architect and the Owner in accordance with the terms and conditions of the Contract Documents for the following sum:

_____ Dollars
 (\$ _____)
Base Bid.

1.2 BID GUARANTEE

- A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within 10 days after a written Notice of Award, if offered within 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.
- B. 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.

1.3 TIME OF COMPLETION

- A. 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 will start work within 10 consecutive calendar days of this notice to proceed and fully complete the work **per Section 003113.**

1.4 ALLOWANCES (Reference specification section 012100)

- A. Specified Allowance as indicated in Specification Section 012100. This amount is to be included in the Base Bid above.

1:

1.5 BID SECURITY

- A. 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.

1.6 IRAN DIVESTMENT ACT CERTIFICATION

- A. 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.

1.7 REPRESENTATIONS

- A. 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 Clark Patterson Lee 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.

1.8 ALTERNATES (Reference Specification Section 01 2300):

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

B. Alternate No. GC -1: High School Auditorium Aisle Lighting

1. ADD/DEDUCT (\$ _____)
 _____ Dollars

C. Alternate No. GC -2: Middle School Computer Lab 220 Work

1. ADD/DEDUCT (\$ _____)
 _____ Dollars

D. Alternate No. GC-3: High School District Office Canopy

1. ADD/DEDUCT (\$ _____)
 _____ Dollars

E. Alternate No GC-4: Middle School Corridor Flooring Work

1. ADD/DEDUCT (\$ _____)
 _____ Dollars

F. Alternate No GC-5: Middle School Classroom Flooring Work

1. ADD/DEDUCT (\$ _____)
 _____ Dollars

G. Alternate No. GC-06: High School PVC Olive Branch

1. ADD/DEDUCT (\$ _____)
 _____ Dollars

1.9 UNIT PRICE SCHEDULE (Reference Specification Section 01 2200):

In addition to the Work provided within the above Base Bid, the Undersigned agrees to provide the following work in accordance with the Drawings and Specifications:

1.	Unit Price No. GC-1: Removal of Vinyl Asbestos Floor Tile and mastic and installation of new VCT.	\$		Per square foot
2.	Unit Price No. GC-2: Abatement of Asbestos containing pipe fitting insulation.	\$		Per fitting.

3.	Unit Price No. GC-3: Abatement of asbestos containing linear pipe insulation.	\$		Per linear foot
----	---	----	--	-----------------

1.10 CHANGE ORDERS

- A. 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.

1.11 NON-COLLUSIVE BIDDING CERTIFICATION

- A. 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.

1.12 ACCEPTANCE

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

1.13 AFFIRMS

- A. 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.

1.14 TYPE OF BUSINESS

- A. 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.

1.15 PLACE OF BUSINESS

- A. 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.: _____

1.16 EXECUTION OF CONTRACT

- A. 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.

1.17 ADDENDA

- A. Any addenda issued by the Architect and 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 # _____ Dated: _____

Addendum # _____ Dated: _____

Addendum # _____ Dated: _____

Addendum # _____ Dated: _____

1.18 ASBESTOS

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

1.19 AUTHORIZED SIGNATURES FOR PROPOSALS

Signature: _____

Name: _____
(Typed or Printed)

Title: _____

Firm: _____

(Legal Name of Person, Single Proprietorship, Partnership, or Corporation)

Date: _____

(if Corporation, provide seal above)

1.20 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 <http://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: _____

1.21 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: _____ Facsimile: _____

Email Address: _____

Contractor Website: _____

(Signature of Contractor)_____
(Title)_____
(Date)

END OF SECTION 004010

SECTION 004020 - FORM OF PROPOSAL – MECHANICAL CONSTRUCTION

To: _____ Dated: _____

From: _____ (Name of Bidder)
 _____ (Address of Bidder)

1.1 GENERAL

- A. Pursuant to, and in compliance with, the Procurement and Contracting Requirements, Conditions of the Contract, relative thereto and all of the Contract Documents, including any Addenda issued by the Architect and mailed or delivered to the undersigned prior to the opening of Bids, whether received by the undersigned or not, we, _____, having visited the site and being familiar with all conditions and requirements of the Work, ___ hereby propose to furnish all plant, labor, supplies, materials and equipment incidental to MECHANICAL WORK as required by and in strict accord with the applicable provisions of the Drawings and Specifications entitled Phase 2 -2019 Capital Improvements Project all to the satisfaction and approval of the Architect and the Owner in accordance with the terms and conditions of the Contract Documents for the following sum:

_____ Dollars
 (\$ _____)
Base Bid.

1.2 BID GUARANTEE

- A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within 10 days after a written Notice of Award, if offered within 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.
- B. 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.

1.3 TIME OF COMPLETION

- A. 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 will start work within 10 consecutive calendar days of this notice to proceed and fully complete the work per **section 003113**

1.4 ALLOWANCES (Reference specification section 012100)

- A. Specified Allowance as indicated in Specification Section 012100. This amount is to be included in the Base Bid above.

1.5 BID SECURITY

- A. 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.

1.6 IRAN DIVESTMENT ACT CERTIFICATION

- A. 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.

1.7 REPRESENTATIONS

- A. 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 Clark Patterson Lee 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.

1.8 ALTERNATES (Reference Specification Section 01 2300):

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

B. **Alternate No. MC-01:** Middle School Unit Ventilator Work

1. ADD/DEDUCT (\$ _____)
_____ Dollars

1.9 CHANGE ORDERS

- A. 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.

1.10 NON-COLLUSIVE BIDDING CERTIFICATION

- A. 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.

1.11 ACCEPTANCE

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

1.12 AFFIRMS

- A. 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.

1.13 TYPE OF BUSINESS

- A. 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.

1.14 PLACE OF BUSINESS

- A. 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.: _____

1.15 EXECUTION OF CONTRACT

- A. 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.

1.16 ADDENDA

- A. Any addenda issued by the Architect and 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 # _____ Dated: _____

Addendum # _____ Dated: _____

Addendum # _____ Dated: _____

Addendum # _____ Dated: _____

1.17 ASBESTOS

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

1.18 AUTHORIZED SIGNATURES FOR PROPOSALS

Signature: _____

Name: _____
(Typed or Printed)

Title: _____

Firm: _____
(Legal Name of Person, Single Proprietorship, Partnership, or Corporation)

Date: _____

(if Corporation, provide seal above)

1.19 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/Offerors 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 <http://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: _____

1.20 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: _____ Facsimile: _____

Email Address: _____

Contractor Website: _____

(Signature of Contractor)_____
(Title)_____
(Date)

END OF SECTION 004020

SECTION 004030 - FORM OF PROPOSAL – ELECTRICAL CONSTRUCTION

To: _____ Dated: _____

From: _____ (Name of Bidder)
 _____ (Address of Bidder)

1.1 GENERAL

- A. Pursuant to, and in compliance with, the Procurement and Contracting Requirements, Conditions of the Contract, relative thereto and all of the Contract Documents, including any Addenda issued by the Architect and mailed or delivered to the undersigned prior to the opening of Bids, whether received by the undersigned or not, we, _____ having visited the site and being familiar with all conditions and requirements of the Work, _____ hereby propose to furnish all plant, labor, supplies, materials and equipment incidental to propose to furnish all plant, labor, supplies, materials and equipment incidental to ELECTRICAL WORK as required by and in strict accord with the applicable provisions of the Drawings and Specifications entitled Phase 2 – 2019 Capital Improvements Project all to the satisfaction and approval of the Architect and the Owner in accordance with the terms and conditions of the Contract Documents for the following sum:

_____ Dollars
 (\$ _____)
Base Bid.

1.2 BID GUARANTEE

- A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within 10 days after a written Notice of Award, if offered within 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.
- B. 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.

1.3 TIME OF COMPLETION

- A. 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 will start work within 10 consecutive calendar days of this notice to proceed and fully complete the work **per section 003113.**

1.4 ALLOWANCES (Reference specification section 012100)

- A. Specified Allowance as indicated in Specification Section 012100. This amount is to be included in the Base Bid above.

1.5 BID SECURITY

- A. 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.

1.6 IRAN DIVESTMENT ACT CERTIFICATION

- A. 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.

1.7 REPRESENTATIONS

- A. 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 Clark Patterson Lee 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.

1.8 ALTERNATES (Reference Specification Section 01 2300):

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

B. Alternate No. EC-01: High School Auditorium Aisle Lighting.

1. ADD/DEDUCT (\$ _____)
_____ Dollars

C. Alternate No. EC-02: Middle School Computer Lab 220 Work

1. ADD/DEDUCT (\$ _____)
_____ Dollars

D. Alternate No. EC-03: High School District Office Canopy

1. ADD/DEDUCT (\$ _____)
_____ Dollars

E. Alternate No. EC-04: Middle School Unit Ventilator Work

1. ADD/DEDUCT (\$ _____)
_____ Dollars

1.9 CHANGE ORDERS

A. 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.

1.10 NON-COLLUSIVE BIDDING CERTIFICATION

A. 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.

1.11 ACCEPTANCE

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

1.12 AFFIRMS

A. 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.

1.13 TYPE OF BUSINESS

- A. The undersigned hereby represents that it is a ¹ Corporation, ¹ Partnership, ¹ 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.

1.14 PLACE OF BUSINESS

- A. 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.: _____

1.15 EXECUTION OF CONTRACT

- A. 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.

1.16 ADDENDA

- A. Any addenda issued by the Architect and 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 # _____ Dated: _____

Addendum # _____ Dated: _____

Addendum # _____ Dated: _____

Addendum # _____ Dated: _____

1.17 ASBESTOS

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

1.18 AUTHORIZED SIGNATURES FOR PROPOSALS

Signature: _____

Name: _____
(Typed or Printed)

Title: _____

Firm: _____

(Legal Name of Person, Single Proprietorship, Partnership, or Corporation)

Date: _____

(if Corporation, provide seal above)

1.19 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 <http://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: _____

1.20 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: _____ Facsimile: _____

Email Address: _____

Contractor Website: _____

(Signature of Contractor)_____
(Title)_____
(Date)

END OF SECTION 004030

SECTION 012100 - ALLOWANCES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements governing allowances.
 - 1. Certain items are specified in the Contract Documents by allowances. Allowances have been established in lieu of additional requirements and to defer selection of actual materials and equipment to a later date when direction will be provided to the Contractor. If necessary, additional requirements will be issued by Change Order.
- B. Types of allowances include the following:
 - 1. Lump-sum allowances.
 - 2. Contingency allowances.
- C. Related Sections:
 - 1. Division 01 Section "Unit Prices" for procedures for using unit prices.

1.2 SELECTION AND PURCHASE

- A. At the earliest practical date after award of the Contract, advise Architect of the date when final selection and purchase of each product or system described by an allowance must be completed to avoid delaying the Work.
- B. At Architect's request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the Work.
- C. Purchase products and systems selected by Architect from the designated supplier.

1.3 ACTION SUBMITTALS

- A. Submit proposals for purchase of products or systems included in allowances, in the form specified for Change Orders.

1.4 INFORMATIONAL SUBMITTALS

- A. Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance.
- B. Submit time sheets and other documentation to show labor time and cost for installation of allowance items that include installation as part of the allowance.
- C. Coordinate and process submittals for allowance items in same manner as for other portions of the Work.

1.5 COORDINATION

- A. Coordinate allowance items with other portions of the Work.

1.6 CONTINGENCY ALLOWANCES

- A. Use the contingency allowance only as directed by Architect for Owner's purposes and only by Change Orders that indicate amounts to be charged to the allowance.
- B. Contractor's overhead, profit, for work ordered by Owner under the contingency allowance is included in the Contract Sum and is not part of the Allowance.
- C. At Project closeout, credit unused amounts remaining in the contingency allowance to Owner by Change Order.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION

3.1 PREPARATION

- A. Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.

3.2 GENERAL CONSTRUCTION SCHEDULE OF ALLOWANCES

- A. GC-1: Contingency Allowance: Include in the Base Bid an Allowance of **\$90,000.00** for use according to the Owners instructions.
 - 1. Contractor overhead and profit is provided in the Base Bid.
- B. GC-2: Allowance: Include in the Base Bid an Allowance of **\$25,000.00** for water leakage exploratory work and remedy at the Pleasantville High School District Office.
 - 1. Contractor overhead and profit is provided in the Base Bid.

3.3 MECHANICAL CONSTRUCTION SCHEDULE OF ALLOWANCES

- A. MC-1: Contingency Allowance: Include in the Base Bid an Allowance of **\$20,000.00** for use according to the Owners instructions.
 - 1. Contractor overhead and profit is provided in the Base Bid.

3.4 ELECTRICAL CONSTRUCTION SCHEDULE OF ALLOWANCES

- A. EC-1: Contingency Allowance: Include in the Base Bid an Allowance of **\$20,000.00** for use according to the Owners instructions.
 - 1. Contractor overhead and profit is provided in the Base Bid.
- B. EC-2 Allowance: Include in the Base Bid an Allowance of **\$15,000.00** for use as payment for Con Edison Permit Fees.

END OF SECTION 012100

SECTION 012200 - UNIT PRICES

PART 1 - GENERAL

1.1 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

1.2 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.

1.3 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

3.1 SCHEDULE OF UNIT PRICES

- A. GENERAL CONTRUCTION
 - 1. Unit Price No. GC-1: Removal of Vinyl Asbestos Floor Tile and mastic and installation of new VCT.
 - a. Description: Provide all labor, materials, and equipment necessary, including tents to remove Vinyl Asbestos Floor Tile and mastic per Industrial Code Rule 56 and install new VCT.
 - 1) Unit of Measurement: Per square foot.
 - 2. Unit Price No. GC-2: Abatement of Asbestos containing pipe fitting insulation.
 - a. Description: Provide all labor, materials, and equipment necessary, including tents to remove pipe fitting insulation per Code Rule 56.
 - 1) Unit of Measurement: Per fitting
 - 3. Unit Price No. GC-3: Abatement of asbestos containing linear pipe insulation.

- a. Description: Provide all labor, materials, and equipment necessary, including tents to remove linear pipe insulation per Code Rule 56.
 - 1) Unit of Measurement: Linear Foot.

END OF SECTION 012200

SECTION 012300 - ALTERNATES

PART 1 - GENERAL

SUMMARY

- A. Section includes administrative and procedural requirements for alternates.

DEFINITIONS

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

PROCEDURES

- C. Coordination: Modify or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
1. Include as part of each alternate miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- D. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.
- E. Execute accepted alternates under the same conditions as other work of the Contract.
- F. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION

SCHEDULE OF ALTERNATES

- A. GENERAL CONSTRUCTION
1. Alternate No. GC -1: High School Auditorium Aisle Lighting.
 - a. Description: All General Construction work associated with the installation of underslab conduit as shown on Drawings PHS A103 and PHS A203 and as specified.
 2. Alternate No. GC -2: Middle School Computer Lab 220 Work
 - a. Description: All General Construction Work associated with work in Computer Lab 220 as shown on Drawing PMS A102 and PMS A202 and as specified.

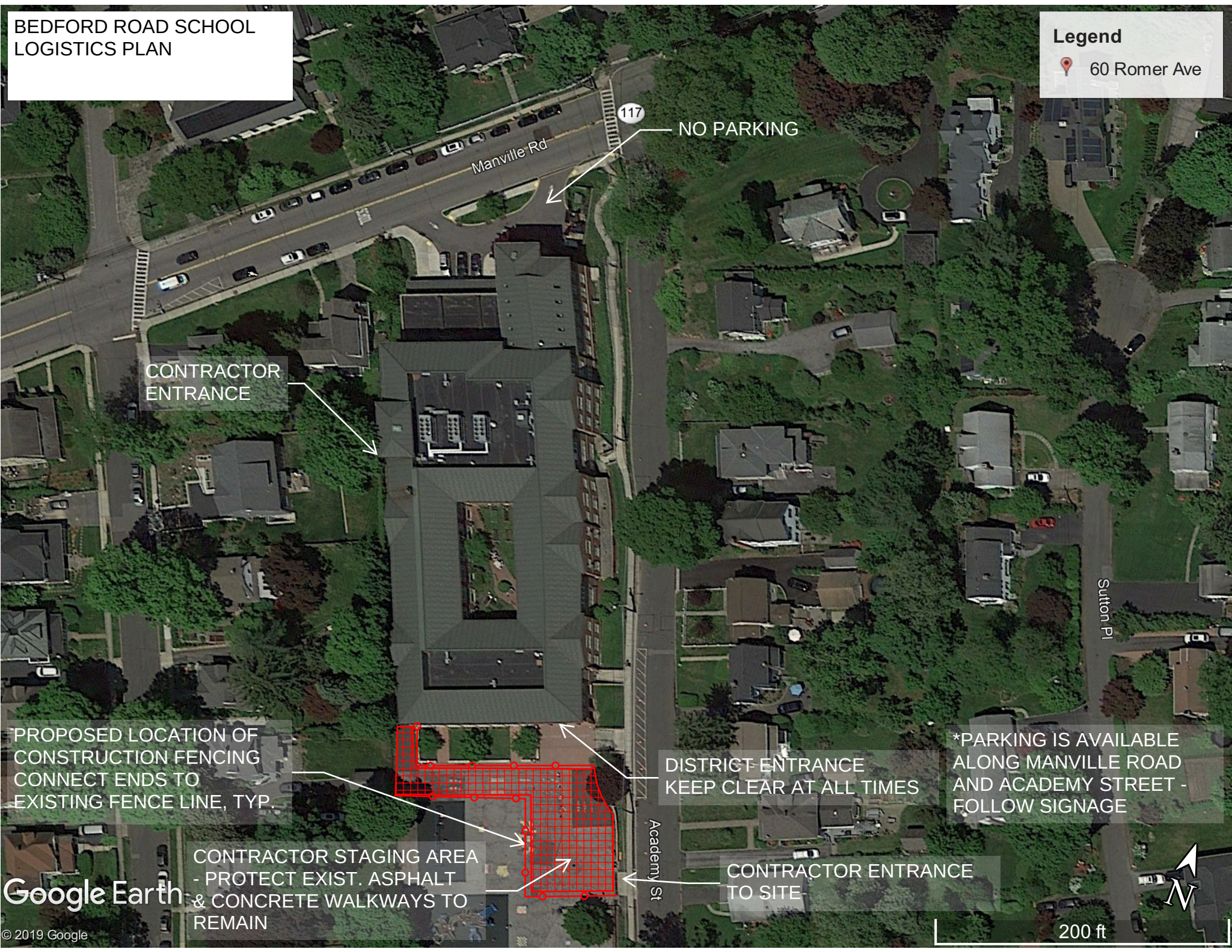
3. Alternate No. GC-3: High School District Office Canopy
 - a. Description: All General Construction work associated with construction of the Classical Canopy as shown on Drawing PHS A703, PHS A704 and PHS A705 in lieu of canopy work shown on PHS A701 and PHS A702 and as specified.
 4. Alternate No GC-4: Middle School Corridor Flooring Work
 - a. Description: All Asbestos Abatement and General Construction work associated with the removal of VAT and mastic in corridors and installation of new VCT and floor base as indicated on Drawings PMS HZ101, PMS HZ102, PMS A201, and PMS A202 and as specified.
 5. Alternate No GC-5: Middle School Classroom Flooring Work
 - a. Description: All Asbestos Abatement and General Construction work associated with the removal of VAT and mastic under the existing unit ventilators and installation of new VCT as indicated Drawings PMS HZ101, PMS HZ102, PMS A201, and PMS A202 and as specified.
 6. Alternate GC-6: High School PVC Olive Branch
 - a. Description: All General Construction Work associated with providing PVC Olive Branch Applique as indicate don Drawing PHS A203 and as specified.
- B. ELECTRICAL CONSTRUCTION
1. Alternate No EC-01: High School Auditorium Aisle Lighting.
 - a. Description: All Electrical work including trenching associated with the installation of aisle lighting in the as indicated on drawing PHS E700 and as specified.
 2. Alternate No EC-02: Middle School Computer Lab 220 Work
 - a. Description: All Electrical work associated with work in Computer Lab 220 as shown on Drawing PMS E101 and PMS E202 and as specified.
 3. Alternate No EC-03: High School District Office Canopy
 - a. Description: All Electrical work associated with providing de-icing cabling at the new canopy in both the gutters and downspout as indicated on drawing PHS E201 in lieu of installation of de-icing cabling only in the downspout as indicated on drawing PHS E201.
 4. Alternate No EC-04: Middle School Unit Ventilator Work
 - a. Description: Disconnect existing unit ventilators as noted on Drawings PMS E101 and PMS E102.
- C. MECHANICAL CONSTRUCTION
1. Alternate No. MC-01: Middle School Unit Ventilator Work
 - a. Description: Disconnect and remove existing unit ventilators as indicated on Drawing PMS H101.

END OF SECTION 012300

BEDFORD ROAD SCHOOL
LOGISTICS PLAN

Legend

 60 Romer Ave



NO PARKING

Manville Rd

117

CONTRACTOR
ENTRANCE

PROPOSED LOCATION OF
CONSTRUCTION FENCING
CONNECT ENDS TO
EXISTING FENCE LINE, TYP.

CONTRACTOR STAGING AREA
- PROTECT EXIST. ASPHALT
& CONCRETE WALKWAYS TO
REMAIN

DISTRICT ENTRANCE
KEEP CLEAR AT ALL TIMES

CONTRACTOR ENTRANCE
TO SITE

*PARKING IS AVAILABLE
ALONG MANVILLE ROAD
AND ACADEMY STREET -
FOLLOW SIGNAGE

Sutton Pl

Academy St

PLEASANTVILLE MIDDLE
SCHOOL/PLEASANTVILLE
HIGH SCHOOL
LOGISTICS PLAN

CONTRACTOR
STAGING/PARKING
AREA

Legend
60 Romer Ave

CONTRACTOR
BUILDING
ENTRANCE

CONTRACTOR
ENTRANCE / EXIT

PROPOSED
LOCATION OF
CONSTRUCTION
FENCING
CONNECT ENDS TO
EXISTING FENCE
LINE, TYP.

CONTRACTOR
BUILDING
ENTRANCE

DISTRICT ENTRANCE.
KEEP CLEAR AT ALL TIMES

CONTRACTOR
ENTRANCE.
KEEP ROADWAY
CLEAR FOR
DISTRICT
ACCESS.

DISTRICT
ENTRANCE. KEEP
CLEAR AT ALL
TIMES

DISTRICT
ENTRANCE. KEEP
CLEAR AT ALL
TIMES

CONTRACTOR
BUILDING ENTRANCE

CONTRACTOR
STAGING/PARKING
AREA

Google Earth

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700 ft

SECTION 08 71 00 – DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes:
1. Mechanical and electrified door hardware for:
 - a. Swinging doors.
 2. Field verification, preparation and modification of existing doors and frames to receive new door hardware.
 3. Comply with New York State Education Department 1998 Edition of the Manual of Planning Standards Section S105 – Door Hardware and NFPA 101-Life Safety Code.
- B. Related Sections:
1. Division 01 Section “Alternates” for alternates affecting this section.
 2. Division 07 Section “Joint Sealants” for sealant requirements applicable to threshold installation specified in this section.
 3. Division 09 sections for touchup, finishing or refinishing of existing openings modified by this section.

1.3 REFERENCES

- A. UL - Underwriters Laboratories
1. UL 10B - Fire Test of Door Assemblies
 2. UL 10C - Positive Pressure Test of Fire Door Assemblies
 3. UL 1784 - Air Leakage Tests of Door Assemblies
 4. UL 305 - Panic Hardware
- B. DHI - Door and Hardware Institute
1. Sequence and Format for the Hardware Schedule
 2. Recommended Locations for Builders Hardware
 3. Key Systems and Nomenclature
- C. ANSI - American National Standards Institute
1. ANSI/BHMA A156.1 - A156.29, and ANSI/BHMA A156.31 - Standards for Hardware and Specialties

1.4 SUBMITTALS

- A. General:
1. Submit in accordance with Conditions of Contract and Division 01 requirements.
 2. Highlight, encircle, or otherwise specifically identify on submittals deviations from Contract Documents, issues of incompatibility or other issues which may detrimentally affect the Work.
 3. Prior to forwarding submittal, comply with procedures for verifying existing door and frame compatibility for new hardware, as specified in PART 3, “EXAMINATION” article, herein.

B. Action Submittals:

1. Product Data: For each item of hardware indicated furnish manufacturer's catalog sheets highlighting information pertaining specifically to product (s) submitted. Include construction and installation details, material descriptions, dimensions of individual components and profiles, finishes and other information necessary to show compliance with requirements.
2. Samples for Verification: If requested by Architect, submit production sample or sample installations of each type of exposed hardware unit in finish indicated, and tagged with full description for coordination with schedule.
 - a. Samples will be returned to supplier. Units that are acceptable to Architect may, after final check of operations, be incorporated into Work, within limitations of key coordination requirements.
3. Door Hardware Schedule: Submit schedule with hardware sets in vertical format as illustrated by Sequence of Format for the Hardware Schedule as published by the Door and Hardware Institute. Indicate complete designations of each item required for each door or opening, include:
 - a. Door Index; include door number, heading number, and Architects hardware set number.
 - b. Quantity, type, style, function, size, and finish of each hardware item.
 - c. Name and manufacturer of each item.
 - d. Fastenings and other pertinent information.
 - e. Location of each hardware set cross-referenced to indications on Drawings.
 - f. Explanation of all abbreviations, symbols, and codes contained in schedule.
 - g. Mounting locations for hardware.
 - h. Door and frame sizes and materials.
 - i. Name and phone number for local manufacturer's representative for each product.
4. Key Schedule:
 - a. After Keying Conference, provide keying schedule listing levels of keying as well as explanation of key system's function, key symbols used and door numbers controlled.
 - b. Use ANSI/BHMA A156.28 "Recommended Practices for Keying Systems" as guideline for nomenclature, definitions, and approach for selecting optimal keying system.
 - c. Provide 3 copies of keying schedule for review prepared and detailed in accordance with referenced DHI publication. Include schematic keying diagram and index each key to unique door designations.
 - d. Index keying schedule by door number, keyset, hardware heading number, cross keying instructions, and special key stamping instructions.
 - e. Provide one complete bitting list of key cuts and one key system schematic illustrating system usage and expansion.
 - 1) Forward bitting list, key cuts and key system schematic directly to Owner, by means as directed by Owner.
 - f. Prepare key schedule by or under supervision of supplier, detailing Owner's final keying instructions for locks.
5. Templates: After final approval of hardware schedule, provide templates for doors, frames and other work specified to be factory or shop prepared for door hardware installation.

C. Closeout Submittals:

1. Operations and Maintenance Data: Provide in accordance with Division 01 and include:

- a. Complete information on care, maintenance, and adjustment; data on repair and replacement parts, and information on preservation of finishes.
 - b. Catalog pages for each product.
 - c. Factory order acknowledgement numbers (for warranty and service)
 - d. Name, address, and phone number of local representative for each manufacturer.
 - e. Parts list for each product.
 - f. Final approved hardware schedule, edited to reflect conditions as-installed.
 - g. Final keying schedule
 - h. Copies of floor plans with keying nomenclature
 - i. As-installed wiring diagrams for each opening connected to power, both low voltage and 110 volts.
 - j. Copy of warranties including appropriate reference numbers for manufacturers to identify project.
2. Warranty: Special warranty specified in this Section.

1.5 QUALITY ASSURANCE

- A. Single Source Responsibility: Obtain each type of door hardware from single manufacturer.
- B. Fire-Rated Door Openings: Provide door hardware for fire-rated openings that complies with NFPA 80 and requirements of authorities having jurisdiction. Provide only items of door hardware that are listed products tested by Underwriters Laboratories, Intertek Testing Services, or other testing and inspecting organizations acceptable to authorities having jurisdiction for use on types and sizes of doors indicated, based on testing at positive pressure and according to NFPA 252 or UL 10C and in compliance with requirements of fire-rated door and door frame labels.
- C. Keying Conference
 1. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including:
 - a. Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
 - b. Preliminary key system schematic diagram.
 - c. Requirements for key control system.
 - d. Requirements for access control.
 - e. Address for delivery of keys.
- D. Pre-installation Conference
 1. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 2. Inspect and discuss preparatory work performed by other trades.
 3. Inspect and discuss electrical roughing-in for electrified door hardware.
 4. Review sequence of operation for each type of electrified door hardware.
 5. Review required testing, inspecting, and certifying procedures.
- E. Coordination Conferences:
 1. Installation Coordination Conference: Prior to hardware installation, schedule and hold meeting to review questions or concerns related to proper installation and adjustment of door hardware.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered to Project site.
- B. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package.
 - 1. Deliver each article of hardware in manufacturer's original packaging.
- C. Project Conditions:
 - 1. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods.
 - 2. Provide secure lock-up for door hardware delivered to Project. Control handling and installation of hardware items so that completion of Work will not be delayed by hardware losses both before and after installation.
- D. Protection and Damage:
 - 1. Promptly replace products damaged during shipping.
 - 2. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work.
 - 3. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.
- E. Deliver keys to Owner by means directed by Owner.

1.7 COORDINATION

- A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete.
- B. Installation Templates: Distribute for doors, frames, and other work specified to be factory or shop prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- C. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.
- D. Existing Openings: Where existing doors, frames and/or hardware are to remain, field verify existing functions, conditions and preparations and coordinate to suit opening conditions and to provide proper door operation.

1.8 WARRANTY

- A. Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.
 - 1. Warranty Period: Beginning from date of Substantial Completion, for durations indicated.
 - a. Closers:
 - 1) Mechanical: 30 year.
 - b. Exit Devices:
 - 1) Mechanical: 3 years.
 - c. Locksets:
 - 1) Mechanical: 10 years.
 - d. Continuous Hinges: Lifetime warranty.
 - e. Key Blanks: Lifetime

2. Warranty does not cover damage or faulty operation due to improper installation, improper use or abuse.

1.9 MAINTENANCE

- A. Maintenance Tools: Furnish complete set of special tools required for maintenance and adjustment of hardware.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Approval of manufacturers and/or products other than those listed as "Scheduled Manufacturer" or "Acceptable Manufacturers" in the individual article for the product category shall be in accordance with QUALITY ASSURANCE article, herein.
- B. Approval of products from manufacturers indicated in "Acceptable Manufacturers" is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer's product.
- C. Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.

2.2 MATERIALS

- A. Fasteners
 1. Provide hardware manufactured to conform to published templates, generally prepared for machine screw installation.
 2. Furnish screws for installation with each hardware item. Finish exposed (exposed under any condition) screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.
 3. Provide concealed fasteners for hardware units exposed when door is closed except when no standard units of type specified are available with concealed fasteners. Do not use thru-bolts for installation where bolt head or nut on opposite face is exposed in other work unless thru-bolts are specified or required to fasten hardware securely.
 4. Install hardware with fasteners provided by hardware manufacturer.
- B. Modification and Preparation of Existing Doors: Where existing door hardware is indicated to be removed and reinstalled.
 1. Provide necessary fillers, Dutchmen, reinforcements, and fasteners, compatible with existing materials, as required for mounting new opening hardware and to cover existing door and frame preparations.
 2. Use materials which match materials of adjacent modified areas.
 3. When modifying existing fire-rated openings, provide materials permitted by NFPA 80 as required to maintain fire-rating.

2.3 HINGES

- A. Manufacturers and Products:
 1. Scheduled Manufacturer: McKinney
 2. Acceptable Manufacturers: Stanley, Ives
- B. Requirements:

1. Provide hinges conforming to ANSI/BHMA A156.1.
2. Where new hinges are specified for existing doors or existing frames, provide new hinges of identical size to hinge preparation present in existing door or existing frame.
3. Provide hinges with electrified options as scheduled in the hardware sets. Provide with sufficient number and wire gage to accommodate electric function of specified hardware. Locate electric hinge at second hinge from bottom or nearest to electrified locking component.
4. Provide mortar guard for each electrified hinge specified.

2.4 CONTINUOUS HINGES

A. Aluminum Geared

1. Manufacturers:
 - a. Scheduled Manufacturer: Select
 - b. Acceptable Manufacturers: Roton, Stanley.
2. Requirements:
 - a. Provide aluminum geared continuous hinges, where specified in the hardware sets, fabricated from 6063-T6 aluminum, conforming to ANSI/BHMA A156.26, Grade 1.
 - b. Provide split nylon bearings at each hinge knuckle for quiet, smooth, self-lubricating operation.
 - c. Provide hinges capable of supporting door weights up to 450 pounds, and successfully tested for 1,500,000 cycles.
 - d. On fire-rated doors, provide aluminum geared continuous hinges that are classified for use on rated doors by testing agency acceptable to authority having jurisdiction.
 - e. Install hinges with fasteners supplied by manufacturer.
 - f. Provide hinges 1 inch (25 mm) shorter in length than nominal height of door, unless otherwise noted or door details require shorter length and with symmetrical hole pattern.

2.5 CYLINDRICAL LOCKS – GRADE 1

A. Manufacturers and Products:

1. Scheduled Manufacturer: Schlage

B. Requirements:

1. Provide cylindrical locks conforming to ANSI/BHMA A156.2 Series 4000, Grade 1, and UL Listed for 3 hour fire doors.
2. Provide locks with standard 2-3/4 inches (70 mm) backset, unless noted otherwise, with 1/2 inch latch throw. Provide proper latch throw for UL listing at pairs.
3. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.
4. Lever Trim: Solid cast zinc levers without plastic inserts and wrought roses on both sides.
 - a. Lever Design: Schlage SPARTA (SPA) to match existing

2.6 EXIT DEVICES

A. Manufacturers and Products:

1. Scheduled Manufacturer: Von Duprin
2. Acceptable Manufacturers: Precision, Sargent

B. Requirements:

1. Provide exit devices tested to ANSI/BHMA A156.3 Grade 1 and UL listed for Panic Exit or Fire Exit Hardware.
2. Cylinders: Refer to "CYLINDERS" article, herein.
3. Provide touchpad type exit devices, fabricated of brass, bronze, stainless steel, or aluminum, plated to standard architectural finishes to match balance of door hardware.
4. Touchpad must extend a minimum of one half of door width.
5. Provide exit devices with manufacturer's approved strikes.
6. Install exit devices at height recommended by exit device manufacturer, allowable by governing building codes, and approved by Architect.
7. Mount mechanism case flush on face of doors, or provide spacers to fill gaps behind devices. Where glass trim or molding projects off face of door, provide glass bead kits.
8. Provide cylinder or hex-key dogging as specified at non fire-rated openings.
9. Provide electrified options as scheduled.

2.7 CYLINDERS

A. Manufacturers:

1. Scheduled Manufacturer: Match owner's existing Schlage Everest high security key system.

B. Requirements:

1. Provide cylinders to match Owner's existing key system, compliant with ANSI/BHMA A156.5; latest revision; cylinder face finished to match lockset, manufacturer's series as indicated. Refer to "KEYING" article, herein.
2. Provide permanent cores keyed as directed by Owner.

C. Construction Keying:

1. Replaceable Construction Cores.
 - a. Provide temporary construction cores replaceable by permanent cores, furnished in accordance with the following requirements.
 - 1) 3 construction control keys
 - 2) 12 construction change (day) keys.
 - b. Owner or Owner's Representative will replace temporary construction cores with permanent cores.

2.8 KEYING

A. Provide a factory registered keying system, complying with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference.

B. Provide cylinders keyed into Owner's existing Schlage factory registered keying system.

C. Requirements:

1. Provide permanent cores keyed by the manufacturer according to the following key system.
 - a. Master Keying system as directed by the Owner.
2. Forward biting list and keys separately from cylinders, by means as directed by Owner. Failure to comply with forwarding requirements will be cause for replacement of cylinders/cores involved at no additional cost to Owner.
3. Provide keys with the following features:
 - a. Material: Nickel silver; minimum thickness of .107-inch (2.3mm)
4. Identification:

- a. Mark permanent cores and keys with applicable blind code per DHI publication "Keying Systems and Nomenclature" for identification. Do not provide blind code marks with actual key cuts.
 - b. Identification stamping provisions must be approved by the Architect and Owner.
 - c. Stamp cylinders/cores and keys with Owner's unique key system facility code as established by the manufacturer; key symbol and embossed or stamped with "DO NOT DUPLICATE" along with the "PATENTED" or patent number to enforce the patent protection.
 - d. Failure to comply with stamping requirements will be cause for replacement of keys involved at no additional cost to Owner.
 - e. Forward permanent cores to Owner, separately from keys, by means as directed by Owner.
5. Quantity: Furnish in the following quantities.
- a. Change (Day) Keys: 3 per cylinder/core.
 - b. Master Keys: 6.

2.9 DOOR CLOSERS

- A. Manufacturers and Products:
1. Scheduled Manufacturer: LCN
 2. Acceptable Manufacturers: Sargent, Dorma
- B. Requirements:
1. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory.
 2. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards.
 3. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and back check.
 4. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.

2.10 PROTECTION PLATES

- A. Manufacturers:
1. Scheduled Manufacturer: Rockwood
 2. Acceptable Manufacturers: Ives, Burns
- B. Requirements:
1. Provide kick plates minimum of 0.050 inch (1 mm) thick, beveled four edges and countersunk screw holes as scheduled. Furnish with sheet metal or wood screws, finished to match plates.

2.11 OVERHEAD STOPS AND OVERHEAD STOP/HOLDERS

- A. Manufacturers:
1. Scheduled Manufacturers: Glynn-Johnson.
 2. Acceptable Manufacturers: Rixson, Sargent.
- B. Requirements:
1. Provide heavy or medium duty and concealed or surface mounted overhead stop or holder for interior doors as specified. Provide medium duty surface mounted overhead stop for interior doors and at any door that swings more than 140 degrees before striking

wall, open against equipment, casework, sidelights, and where conditions do not allow wall stop or floor stop presents tripping hazard.

2.12 DOOR STOPS AND HOLDERS

- A. Manufacturers:
 - 1. Scheduled Manufacturer: Rockwood
 - 2. Acceptable Manufacturers: Ives, Burns
- B. Provide door stops at each door leaf:
 - 1. Provide wall stops wherever possible. Provide convex type where exit devices are used and concave type where cylindrical type locks are used.
 - 2. Where a wall stop cannot be used, provide universal floor stops for low or high rise options.
 - 3. Where wall or floor stop cannot be used, provide surface mounted overhead stop.

2.13 THRESHOLDS, SEALS, DOOR SWEEPS, AUTOMATIC DOOR BOTTOMS, AND GASKETING

- A. Manufacturers:
 - 1. Scheduled Manufacturer: Pemko
 - 2. Acceptable Manufacturers: Zero, National Guard
- B. Requirements:
 - 1. Provide thresholds, weather-stripping (including door sweeps, seals, and astragals) and gasketing systems (including smoke, sound, and light) as specified and per architectural details. Match finish of other items.
 - 2. Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.
 - 3. Provide door sweeps, seals, astragals, and auto door bottoms only of type where resilient or flexible seal strip is easily replaceable and readily available.

2.14 SILENCERS

- A. Manufacturers:
 - 1. Scheduled Manufacturer: Rockwood
 - 2. Acceptable Manufacturers: Ives, Burns
- B. Requirements:
 - 1. Provide "push-in" type silencers for hollow metal or wood frames.
 - 2. Provide three for each single frame, and two for each pair frame.
 - 3. Omit where gasketing is specified.

2.15 FINISHES

- A. Finish: BHMA 626/652 (US26D); except:
 - 1. Continuous Hinges: BHMA 628 (US28)
 - 2. Push Plates, Pulls, and Push Bars: BHMA 630 (US32D)
 - 3. Protection Plates: BHMA 630 (US32D)
 - 4. Overhead Stops and Holders: BHMA 630 (US32D)
 - 5. Door Closers: Powder Coat to Match
 - 6. Wall Stops: BHMA 630 (US32D)
 - 7. Weatherstripping: Clear Anodized Aluminum

8. Thresholds: Mill Finish Aluminum

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance.
- B. Field verify existing doors and frames receiving new hardware and existing conditions receiving new openings. Verify that new hardware is compatible with existing door and frame preparation and existing conditions.
- C. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations.
 - 1. Standard Steel Doors and Frames: ANSI/SDI A250.8.
 - 2. Custom Steel Doors and Frames: HMMA 831.
 - 3. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."
- B. Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer.
- C. Do not install surface mounted items until finishes have been completed on substrate. Protect all installed hardware during painting.
- D. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation.
- E. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards. Hand tighten screws and fasteners, use of power tools must be limited to preliminary driving screws if permitted by the door and hardware manufacturer.
- F. Provide and install all low voltage control wiring from power supply to all door hardware. Provide and install 120v power wiring from EC-provided junction box to power supply (supplied under this section). Provide wiring as recommended by device manufacturer.
- G. Boxed power supplies: locate power supplies as indicated or, if not indicated, above accessible ceilings. Verify location with architect.
- H. Install operating parts so they move freely and smoothly without binding, sticking, or excessive clearance.
- I. Lock Cylinders: Install construction cores to secure building and areas during construction period.
 - 1. Replace construction cores with permanent cores as indicated in keying section.
- J. Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.

- K. Door Closers: Follow manufacturer's instructions for proper door closer adjustment for spring power, back check, closing the latching speed. Install for greatest degree possible based on field conditions.
- L. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."
- M. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard.
- N. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.
- O. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.
- P. Door Bottoms: Apply to bottom of door, forming seal with threshold when door is closed.

3.3 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.
 - 1. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.
- B. Occupancy Adjustment: Approximately three to six months after date of Substantial Completion, Installer's Architectural Hardware Consultant must examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure function of doors and door hardware.

3.4 CLEANING AND PROTECTION

- A. Clean adjacent surfaces soiled by door hardware installation.
- B. Clean operating items as necessary to restore proper function and finish.
- C. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of Substantial Completion.

3.5 GENERAL NOTES

- A. Supplier shall assume full responsibility for examination of the drawings and shall be responsible for the accuracy of the quantities, size, finish and proper hardware whether specifically mentioned or not. Hardware not listed specifically must be furnished to match other hardware in similar openings.
- B. Provide all required accessories and options necessary for complete installation of each hardware component, to ensure proper operation of the product.

3.6 DOOR HARDWARE SCHEDULE

- A. Hardware Codes:
 - 102 3 ea. hinges T4B3786 US26D 4-1/2 x 4-1/2
 - 103 3 ea. hinges TB2714 US26D 4-1/2 x 4-1/2

 - 200 1 ea. closer (pull side) 4011 MC AL x TB
 - 200A 1 ea. closer (pull side stop arm) Dorma 8916IS MC Alum x TB

201	1 ea.	closer (push side) 4111EDA MC AL x TB
202	1 ea.	closer (push side stop arm) 4111CUSH MC AL x TB
401	1 ea.	lockset (classroom) ND70TD SPA 626
401LD	1 ea.	lockset (classroom intruder-lockdown) ND75TD SPA 626
402	1 ea.	lockset (storeroom) ND80TD SPA 626
405	1 ea.	lockset (dormitory) ND73TD SPA 626
406	1 ea.	mortise lockset (keyed restroom) L9456T 17B x L283-722 x 09-544 626 with ADA thumbturn & occupancy indicator (Occupied/Vacant) (Key outside allows door to remain in either locked or unlocked position, inside lever always free to exit)
503	3 ea.	silencers 608-RKW
504	1 ea.	wall bumper 409 US32D or floor stop 441 US26D
600	1 ea.	kick plate K1050 10" x 2"LDW US32D .050 B4E x countersunk screw holes
700	1 ea.	smoke seal S44C (Clear) for H&J

B. Doors/Codes:

	<u>BEDFORD ROAD SCHOOL:</u>
<u>SET 1</u>	
1-317B	103-405-503-504
	<u>PLEASANTVILLE MIDDLE SCHOOL:</u>
<u>SET 2</u>	
1-148	102-200-406-504-600-700
<u>SET 3</u>	
1-144	102-200-401-504-600-700
1-145	102-200-401-504-600-700
<u>SET 4</u>	
1-145A	102-200-405-504-600-700
1-147A	102-200-405-504-600-700
<u>SET 5</u>	
1-139	102-200A-401LD-600-700
2-220	102-200A-401LD-600-700
<u>SET 6</u>	
1-144A	102-202-402-600-700

END OF SECTION 087100

SECTION 088000 - GLAZING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes glazing for the following products and applications, including those specified in other Sections where glazing requirements are specified by reference to this Section:
 - 1. Windows.
 - 2. Doors.
- B. Related Sections:
 - 1. Division 08 Section "Doors."
 - 2. Division 08 Section "Windows."
 - 3. Division 08 Section "Glazed Aluminum Curtain Walls."

1.3 DEFINITIONS

- A. Glass Manufacturers: Firms that produce primary glass, fabricated glass, or both, as defined in referenced glazing publications.
- B. Glass Thicknesses: Indicated by thickness designations in millimeters according to ASTM C 1036.
- C. Interspace: Space between lites of an insulating-glass unit.

1.4 COORDINATION

- A. Coordinate glazing channel dimensions to provide necessary bite on glass, minimum edge and face clearances, and adequate sealant thicknesses, with reasonable tolerances.

1.5 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Glass Samples: For each type of the following products; 12 inches square.
 - 1. Insulating glass.
- C. Glazing Schedule: List glass types and thicknesses for each size opening and location. Use same designations as indicated on Drawings.
- D. Delegated-Design Submittal: For glass indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1.6 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer and manufacturers of insulating-glass units with sputter-coated, low-E coatings.
- B. Product Certificates: For glass.

- C. Product Test Reports: For insulating glass and glazing sealants, for tests performed by a qualified testing agency.
 - 1. For glazing sealants, provide test reports based on testing current sealant formulations within previous 36-month period.
- D. Sample Warranties: For special warranties.

1.7 QUALITY ASSURANCE

- A. Manufacturer Qualifications for Insulating-Glass Units with Sputter-Coated, Low-E Coatings: A qualified insulating-glass manufacturer who is approved and certified by coated-glass manufacturer.
- B. Installer Qualifications: A qualified installer who employs glass installers for this Project who are certified under the National Glass Association's Certified Glass Installer Program.
- C. Glazing Publications: Comply with published recommendations of glass product manufacturers and organizations below, unless more stringent requirements are indicated. Refer to these publications for glazing terms not otherwise defined in this Section or in referenced standards.
 - 1. GANA Publications: GANA's "Laminated Glazing Reference Manual" and GANA's "Glazing Manual."
- D. Insulating-Glass Certification Program: Permanently marked either on spacers or on at least one component lite of units with appropriate certification label of IGCC.
- E. Glass Testing Agency Qualifications: A qualified independent testing agency accredited according to the NFRC CAP 1 Certification Agency Program.
- F. Sealant Testing Agency Qualifications: An independent testing agency qualified according to ASTM C 1021 to conduct the testing indicated.
- G. Safety Glazing Labeling: Where safety glazing labeling is indicated, permanently mark glazing with certification label of the SGCC or another certification agency acceptable to authorities having jurisdiction. Label shall indicate manufacturer's name, type of glass, thickness, and safety glazing standard with which glass complies.
- H. Fire-Protection-Rated Glazing Labeling: Permanently mark fire-protection-rated glazing with certification label of a testing agency acceptable to authorities having jurisdiction. Label shall indicate manufacturer's name, test standard, whether glazing is for use in fire doors or other openings, whether or not glazing passes hose-stream test, whether or not glazing has a temperature rise rating of 450 deg F, and the fire-resistance rating in minutes.
- I. Preinstallation Conference: Conduct conference at Project site.
 - 1. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 - 2. Review temporary protection requirements for glazing during and after installation.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Protect glazing materials according to manufacturer's written instructions. Prevent damage to glass and glazing materials from condensation, temperature changes, direct exposure to sun, or other causes.
- B. Comply with insulating-glass manufacturer's written recommendations for venting and sealing units to avoid hermetic seal ruptures due to altitude change.

1.9 PROJECT CONDITIONS

- A. Environmental Limitations: Do not proceed with glazing when ambient and substrate temperature conditions are outside limits permitted by glazing material manufacturers and when glazing channel substrates are wet from rain, frost, condensation, or other causes.
1. Do not install glazing sealants when ambient and substrate temperature conditions are outside limits permitted by sealant manufacturer or below 40 deg F.

1.10 WARRANTY

- A. Manufacturer's Special Warranty for Coated-Glass Products: Manufacturer agrees to replace coated-glass units that deteriorate within specified warranty period. Deterioration of coated glass is defined as defects developed from normal use that are not attributed to glass breakage or to maintaining and cleaning coated glass contrary to manufacturer's written instructions. Defects include peeling, cracking, and other indications of deterioration in coating.
1. Warranty Period: 10 years from date of Substantial Completion.
- B. Manufacturer's Special Warranty for Laminated Glass: Manufacturer agrees to replace laminated-glass units that deteriorate within specified warranty period. Deterioration of laminated glass is defined as defects developed from normal use that are not attributed to glass breakage or to maintaining and cleaning laminated glass contrary to manufacturer's written instructions. Defects include edge separation, delamination materially obstructing vision through glass, and blemishes exceeding those allowed by referenced laminated-glass standard.
1. Warranty Period: Five years from date of Substantial Completion.
- C. Manufacturer's Special Warranty for Insulating Glass: Manufacturer agrees to replace insulating-glass units that deteriorate within specified warranty period. Deterioration of insulating glass is defined as failure of hermetic seal under normal use that is not attributed to glass breakage or to maintaining and cleaning insulating glass contrary to manufacturer's written instructions. Evidence of failure is the obstruction of vision by dust, moisture, or film on interior surfaces of glass.
1. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:
1. Guardian Industries
- B. Source Limitations for Glass: Obtain from single source from single manufacturer for each glass type.
1. Obtain reflective-coated glass from single source from single manufacturer.
- C. Source Limitations for Glazing Accessories: Obtain from single source from single manufacturer for each product and installation method.

2.2 PERFORMANCE REQUIREMENTS

- A. General: Installed glazing systems shall withstand normal thermal movement and wind and impact loads (where applicable) without failure, including loss or glass breakage attributable to the following: defective manufacture, fabrication, or installation; failure of sealants or gaskets to remain watertight and airtight; deterioration of glazing materials; or other defects in construction.

- B. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design glazing.
- C. Structural Performance: Glazing shall withstand the following design loads within limits and under conditions indicated determined according to the IBC and ASTM E 1300.
 - 1. Design Wind Pressures: As indicated on Drawings.
 - 2. Maximum Lateral Deflection: For glass supported on all four edges, limit center-of-glass deflection at design wind pressure to not more than 1/50 times the short-side length or 1 inch, whichever is less.
 - 3. Differential Shading: Design glass to resist thermal stresses induced by differential shading within individual glass lites.
- D. Safety Glazing: Where safety glazing is indicated, provide glazing that complies with 16 CFR 1201, Category II.
- E. Thermal and Optical Performance Properties: Provide glass with performance properties specified, as indicated in manufacturer's published test data, based on procedures indicated below:
 - 1. For monolithic-glass lites, properties are based on units with lites 6 mm thick.
 - 2. For insulating-glass units, properties are based on units of thickness indicated for overall unit and for each lite.
 - 3. U-factors: Center-of-glazing values, according to NFRC 100 and based on LBL's WINDOW 5.2 computer program, expressed as Btu/sq. ft. x h x deg F.
 - 4. Solar Heat-Gain Coefficient and Visible Transmittance: Center-of-glazing values, according to NFRC 200 and based on LBL's WINDOW 5.2 computer program.
 - 5. Visible Reflectance: Center-of-glazing values, according to NFRC 300.

2.3 GLASS PRODUCTS, GENERAL

- A. Thickness: Where glass thickness is indicated, it is a minimum. Provide glass that complies with performance requirements and is not less than the thickness indicated.
 - 1. Minimum Glass Thickness for Exterior Lites: 6 mm.
 - 2. Thickness of Tinted Glass: Provide same thickness for each tint color indicated throughout Project.
- B. Strength: Where heat-strengthened float glass is indicated, provide heat-strengthened float glass or fully tempered float glass as needed to comply with "Performance Requirements" Article. Where fully tempered float glass is indicated, provide fully tempered float glass.
- C. Thermal and Optical Performance Properties: Provide glass with performance properties specified, as indicated in manufacturer's published test data, based on procedures indicated below:
 - 1. For monolithic-glass lites, properties are based on units with lites 6.0 mm thick.
 - 2. For laminated-glass lites, properties are based on products of construction indicated.
 - 3. For insulating-glass units, properties are based on units of thickness indicated for overall unit and for each lite.
 - 4. U-Factors: Center-of-glazing values, according to NFRC 100 and based on LBL's WINDOW 5.2 computer program, expressed as Btu/sq. ft. x h x deg F.
 - 5. Solar Heat-Gain Coefficient and Visible Transmittance: Center-of-glazing values, according to NFRC 200 and based on LBL's WINDOW 5.2 computer program.
 - 6. Visible Reflectance: Center-of-glazing values, according to NFRC 300.

2.4 GLASS PRODUCTS

- A. Clear Annealed Float Glass: ASTM C 1036, Type I, Class 1 (clear), Quality-Q3.
- B. Fully Tempered Float Glass: ASTM C 1048, Kind FT (fully tempered), Condition A (uncoated) unless otherwise indicated, Type I, Class 1 (clear) or Class 2 (tinted) as indicated, Quality-Q3.
 - 1. Fabrication Process: By horizontal (roller-hearth) process with roll-wave distortion parallel to bottom edge of glass as installed unless otherwise indicated.

2.5 INSULATING GLASS

- A. Insulating-Glass Units: Factory-assembled units consisting of sealed lites of glass separated by a dehydrated interspace, qualified according to ASTM E 2190.
 - 1. Sealing System: Dual seal, with manufacturer's standard primary and secondary sealants.
 - 2. Spacer: Manufacturer's standard spacer material and construction.
 - 3. Desiccant: Molecular sieve or silica gel, or a blend of both.

2.6 GLAZING SEALANTS

- A. General:
 - 1. Compatibility: Provide glazing sealants that are compatible with one another and with other materials they will contact, including glass products, seals of insulating-glass units, and glazing channel substrates, under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience.
 - 2. Suitability: Comply with sealant and glass manufacturers' written instructions for selecting glazing sealants suitable for applications indicated and for conditions existing at time of installation.
 - 3. Field-applied sealants shall have a VOC content of not more than 250 g/L.
 - 4. Colors of Exposed Glazing Sealants: As selected by Architect from manufacturer's full range.
- B. Glazing Sealant: Neutral-curing silicone glazing sealant complying with ASTM C 920, Type S, Grade NS, Class 100/50, Use NT.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. Dow Corning Corporation.
- C. Glazing Sealants for Fire-Rated Glazing Products: Products that are approved by testing agencies that listed and labeled fire-resistant glazing products with which they are used for applications and fire-protection ratings indicated.

2.7 GLAZING TAPES

- A. Back-Bedding Mastic Glazing Tapes: Preformed, butyl-based, 100 percent solids elastomeric tape; nonstaining and nonmigrating in contact with nonporous surfaces; with or without spacer rod as recommended in writing by tape and glass manufacturers for application indicated; and complying with ASTM C 1281 and AAMA 800 for products indicated below:
 - 1. AAMA 806.3 tape, for glazing applications in which tape is subject to continuous pressure.
 - 2. AAMA 807.3 tape, for glazing applications in which tape is not subject to continuous pressure.

2.8 MISCELLANEOUS GLAZING MATERIALS

- A. General: Provide products of material, size, and shape complying with referenced glazing standard, requirements of manufacturers of glass and other glazing materials for application indicated, and with a proven record of compatibility with surfaces contacted in installation.
- B. Cleaners, Primers, and Sealers: Types recommended by sealant or gasket manufacturer.
- C. Setting Blocks: Elastomeric material with a Shore, Type A durometer hardness of 85, plus or minus 5.
- D. Spacers: Elastomeric blocks or continuous extrusions of hardness required by glass manufacturer to maintain glass lites in place for installation indicated.
- E. Edge Blocks: Elastomeric material of hardness needed to limit glass lateral movement (side walking).
- F. Cylindrical Glazing Sealant Backing: ASTM C 1330, Type O (open-cell material), of size and density to control glazing sealant depth and otherwise produce optimum glazing sealant performance.

2.9 FABRICATION OF GLAZING UNITS

- A. Fabricate glazing units in sizes required to fit openings indicated for Project, with edge and face clearances, edge and surface conditions, and bite complying with written instructions of product manufacturer and referenced glazing publications, to comply with system performance requirements.
 - 1. Allow for thermal movements from ambient and surface temperature changes acting on glass framing members and glazing components.
 - a. Temperature Change: 120 deg F, ambient; 180 deg F, material surfaces.
- B. Clean-cut or flat-grind vertical edges of butt-glazed monolithic lites to produce square edges with slight chamfers at junctions of edges and faces.
- C. Grind smooth and polish exposed glass edges and corners.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine framing, glazing channels, and stops, with Installer present, for compliance with the following:
 - 1. Manufacturing and installation tolerances, including those for size, squareness, and offsets at corners.
 - 2. Presence and functioning of weep systems.
 - 3. Minimum required face and edge clearances.
 - 4. Effective sealing between joints of glass-framing members.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean glazing channels and other framing members receiving glass immediately before glazing. Remove coatings not firmly bonded to substrates.

- B. Examine glazing units to locate exterior and interior surfaces. Label or mark units as needed so that exterior and interior surfaces are readily identifiable. Do not use materials that will leave visible marks in the completed work.

3.3 GLAZING, GENERAL

- A. Comply with combined written instructions of manufacturers of glass, sealants, gaskets, and other glazing materials, unless more stringent requirements are indicated, including those in referenced glazing publications.
- B. Protect glass edges from damage during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass is glass with edge damage or other imperfections that, when installed, could weaken glass and impair performance and appearance.
- C. Apply primers to joint surfaces where required for adhesion of sealants, as determined by preconstruction testing.
- D. Install setting blocks in sill rabbets, sized and located to comply with referenced glazing publications, unless otherwise required by glass manufacturer. Set blocks in thin course of compatible sealant suitable for heel bead.
- E. Do not exceed edge pressures stipulated by glass manufacturers for installing glass lites.
- F. Provide spacers for glass lites where length plus width is larger than **50 inches**.
 - 1. Locate spacers directly opposite each other on both inside and outside faces of glass. Install correct size and spacing to preserve required face clearances, unless gaskets and glazing tapes are used that have demonstrated ability to maintain required face clearances and to comply with system performance requirements.
 - 2. Provide **1/8-inch** minimum bite of spacers on glass and use thickness equal to sealant width. With glazing tape, use thickness slightly less than final compressed thickness of tape.
- G. Provide edge blocking where indicated or needed to prevent glass lites from moving sideways in glazing channel, as recommended in writing by glass manufacturer and according to requirements in referenced glazing publications.
- H. Set glass lites in each series with uniform pattern, draw, bow, and similar characteristics.
- I. Set glass lites with proper orientation so that coatings face exterior or interior as specified.
- J. Where wedge-shaped gaskets are driven into one side of channel to pressurize sealant or gasket on opposite side, provide adequate anchorage so gasket cannot walk out when installation is subjected to movement.
- K. Square cut wedge-shaped gaskets at corners and install gaskets in a manner recommended by gasket manufacturer to prevent corners from pulling away; seal corner joints and butt joints with sealant recommended by gasket manufacturer.

3.4 TAPE GLAZING

- A. Position tapes on fixed stops so that, when compressed by glass, their exposed edges are flush with or protrude slightly above sightline of stops.
- B. Install tapes continuously, but not necessarily in one continuous length. Do not stretch tapes to make them fit opening.

- C. Cover vertical framing joints by applying tapes to heads and sills first and then to jambs. Cover horizontal framing joints by applying tapes to jambs and then to heads and sills.
- D. Place joints in tapes at corners of opening with adjoining lengths butted together, not lapped. Seal joints in tapes with compatible sealant approved by tape manufacturer.
- E. Do not remove release paper from tape until right before each glazing unit is installed.
- F. Apply heel bead of elastomeric sealant.
- G. Center glass lites in openings on setting blocks and press firmly against tape by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings.
- H. Apply cap bead of elastomeric sealant over exposed edge of tape.

3.5 GASKET GLAZING (DRY)

- A. Cut compression gaskets to lengths recommended by gasket manufacturer to fit openings exactly, with allowance for stretch during installation.
- B. Insert soft compression gasket between glass and frame or fixed stop so it is securely in place with joints miter cut and bonded together at corners.

3.6 SEALANT GLAZING (WET)

- A. Install continuous spacers, or spacers combined with cylindrical sealant backing, between glass lites and glazing stops to maintain glass face clearances and to prevent sealant from extruding into glass channel and blocking weep systems until sealants cure. Secure spacers or spacers and backings in place and in position to control depth of installed sealant relative to edge clearance for optimum sealant performance.
- B. Force sealants into glazing channels to eliminate voids and to ensure complete wetting or bond of sealant to glass and channel surfaces.
- C. Tool exposed surfaces of sealants to provide a substantial wash away from glass.

3.7 CLEANING AND PROTECTION

- A. Immediately after installation remove nonpermanent labels and clean surfaces.
- B. Protect glass from contact with contaminating substances resulting from construction operations. Examine glass surfaces adjacent to or below exterior concrete and other masonry surfaces at frequent intervals during construction, but not less than once a month, for buildup of dirt, scum, alkaline deposits, or stains.
 - 1. If, despite such protection, contaminating substances do come into contact with glass, remove substances immediately as recommended in writing by glass manufacturer. Remove and replace glass that cannot be cleaned without damage to coatings.
- C. Remove and replace glass that is damaged during construction period.
- D. Wash glass on both exposed surfaces not more than four days before date scheduled for inspections that establish date of Substantial Completion. Wash glass as recommended in writing by glass manufacturer.

3.8 MONOLITHIC GLASS SCHEDULE

- A. Clear fully tempered float glass.
 - 1. Minimum Thickness: 6 mm.

2. Safety glazing required.
3. Application: interior, non-fire-rated storefronts.

3.9 INSULATING GLASS SCHEDULE

A. Low-E-coated, clear insulating laminated glass.

1. Basis-of-Design Product: Guardian Super Neutral 68.
2. Overall Unit Thickness: 1 inch.
3. Minimum Thickness of Outdoor Lite: 6 mm.
4. Outdoor Lite: Sun Guard SN68 on Clear Tempered.
5. Interspace Content: Air.
6. Indoor Lite: Clear laminated glass with two plies of heat-strengthened float glass.
 - a. Minimum Thickness of Each Glass Ply: 3 mm.
 - b. Interlayer Thickness: 0.030 inch.
7. Low-E Coating: Second surface.
8. Winter Nighttime U-Factor: 0.29 maximum.
9. Summer Daytime U-Factor: 0.28 maximum.
10. Visible Light Transmittance: 67 percent minimum.
11. Solar Heat Gain Coefficient: 0.37 maximum.
12. Safety glazing required.
13. Locations: Storefront and Exterior Doors.

3.10 INSULATING SPANDREL GLASS SCHEDULE

1. Basis-of-Design Product: Product: Guardian, SunGuard Spandrel HT.
2. Overall Unit Thickness: 1 inch
3. Minimum Thickness of Each Glass Lite: 6 mm.
4. Outboard-Inboard Substrate: match insulating glass.
5. Appearance: match insulating glass.
6. Interspace Content: Argon.
7. Safety glazing required.
8. Edge Seals: ASTM E 2188, with aluminum spacers, dual-sealed with a primary seal of polyisobutylene and a secondary seal of silicone sealant for glass-to-spacer seals.
9. Sealant: Approved by glass manufacturer.
10. Application: spandrel glass.

END OF SECTION 088000

SECTION 08 8110 - FIRE-RATED GLASS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Fire-rated glazing materials installed as vision lights in fire-rated doors.

1.2 REFERENCES

- A. American Society for Testing and Materials (ASTM):
 - 1. ASTM E2074-00: Standard Test Method for Fire Tests of Door Assemblies, Including Positive Pressure Testing of Side-Hinged and Pivoted Swinging Door Assemblies.
 - 2. ASTM E2010-01: Standard Test Method for Positive Pressure Fire Tests of Window Assemblies.
- B. American National Standards Institute (ANSI):
 - 1. ANSI Z97.1: Standard for Safety Glazing Materials Used in Buildings
- C. Consumer Product Safety Commission (CPSC):
 - 1. CPSC 16 CFR 1201: Safety Standard for Architectural Glazing Materials
- D. Glass Association of North America (GANA):
 - 1. GANA – Glazing Manual.
 - 2. FGMA – Sealant Manual.
- E. National Fire Protection Association (NFPA):
 - 1. NFPA 80: Fire Doors and Windows.
 - 2. NFPA 252 – Fire Tests of Door Assemblies.
 - 3. NFPA 257 – Fire Tests of Window Assemblies.
- F. Underwriters Laboratories, Inc. (UL):
 - 1. UL 9 – Fire Tests of Window Assemblies.
 - 2. UL 10B – Fire Tests of Door Assemblies.
 - 3. UL 10C – Positive Pressure Fire Tests of Door Assemblies.

1.3 PERFORMANCE REQUIREMENTS

- A. Fire-rated glass ceramic clear and wireless glazing material with surface-applied film listed for use in impact safety-rated locations such as doors, transoms and borrowed lites with fire rating requirements ranging from 20 minutes to 3 hours with required hose stream test.

1.4 SUBMITTALS

- A. Product data: Submit manufacturer's technical data for each glazing material required, including installation and maintenance instructions.
- B. Certificates of compliance from glass and glazing materials manufacturers attesting that glass and glazing materials furnished for project comply with requirements. Separate certification will not be required for

glazing materials bearing manufacturer's permanent label designating type and thickness of glass, provided labels represent a quality control program involving a recognized certification agency or independent testing laboratory acceptable to authority having jurisdiction.

- C. Product Test Listings: From UL indicating fire-rated glass complies with requirements, based on comprehensive testing of current product.
- D. Samples: Submit, for verification purposes, two 8-inch by 10-inch samples for each type of glass indicated.

1.5 QUALITY ASSURANCE

- A. Glazing Standards: FGMA Glazing Manual and Sealant Manual.
- B. Fire Protective Rated Glass: Each lite shall bear permanent, nonremovable label of UL certifying it for use in tested and rated fire protective assemblies.
- C. Fire Protective Glazing Products for Door Assemblies: Products identical to those tested per ASTM E 152, labeled and listed by UL or other certification agency acceptable to authorities having jurisdiction.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, and handle materials per manufacturer's written instructions.
- B. Deliver materials to specified destination in manufacturer's or distributor's packaging, undamaged, complete with installation instructions.
- C. Store off ground, under cover, protected from weather and construction activities.

1.7 WARRANTY

- A. Provide manufacturer's warranty.
- B. Warranty Period: Three years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 FIRE-RATED GLAZING MATERIALS

- A. Product: FireLite® NT as supplied by Technical Glass Products, 8107 Bracken Place SE, Snoqualmie, WA 98065, voice 1-800-426-0279, fax 1-800-451-9857, e-mail sales@fireglass.com, web site www.fireglass.com, or equivalent.
- B. Properties:
 - 1. Thickness: 3/16 inch FireLite®.
 - 2. Film: Fire-rated surface film as approved by manufacturer.
 - 3. Weight: 2.4 lbs./sq. ft.
 - 4. Approximate Visible Transmission: 88 percent.
 - 5. Approximate Visible Reflection: 9 percent.
 - 6. Hardness (Vicker's Scale): 700.

7. Fire-rating: 20 minutes to 3 hours for doors; 20 minutes to 90 minutes for other applications.
8. Impact Safety Resistance: ANSI Z97.1 and CPSC 16CFR1201 (Category II).
9. Positive Pressure Test: UL 10C, UBC 7-2 and 7-4; passes.
10. Surface Finish:
 - a. Premium Grade-Ground and polished on both sides.

C. Maximum sheet sizes based on surface finish:

1. Premium: 48 inches by 96 inches.

D. Labeling: Permanently label each piece of FireLite® NT with the FireLite® logo, UL logo and fire rating.

E. Fire Rating: Fire rating listed and labeled by UL for fire rating scheduled at opening locations on drawings, when tested in accordance with ASTM E2074-00 and ASTM E2010-01; NPFA 252 and NFPA 257; UL 9, UL 10B and UL 10C.

2.2 GLAZING COMPOUND FOR FIRE-RATED GLAZING MATERIALS

A. Glazing Tape: Closed cell polyvinyl chloride (PVC) foam, coiled on release paper over adhesive on two sides, maximum water absorption by volume of 2 percent. Glass panels that exceed 1,393 sq. inches for 90-minute ratings must be glazed with fire-rated glazing tape supplied by manufacturer.

B. Glazing Compound: DAP 33 putty.

C. Silicone Sealant: One-part neutral curing silicone, medium modulus sealant, Type S; Grade NS; Class 25 with additional movement capability of 50 percent in both extension and compression (total 100 percent); Use (Exposure) NT; Uses (Substrates) G, A, and O as applicable. Available Products:

1. Dow Corning 795 - Dow Corning Corp.
2. Silglaze-II 2800 - General Electric Co.
3. Spectrem 2 - Tremco Inc.

D. Setting Blocks: Neoprene, EPDM, or silicone; tested for compatibility with glazing compound; of 70 to 90 Shore A hardness.

E. Cleaners, Primers, and Sealers: Type recommended by manufacturer of glass and gaskets.

2.3 FABRICATION

A. Fabricate glass and other glazing products in sizes required to glaze openings indicated for Project, with edge and face clearances, edge and surface conditions, and bite complying with recommendations of product manufacturer and referenced glazing standard as required to comply with system performance requirements.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine glass framing, with glazier present, for compliance with the following:

1. Manufacturing and installation tolerances, including those for size, squareness, offsets at corners.
2. Minimum required face or edge clearances.
3. Observable edge damage or face imperfections.

- B. Do not proceed with glazing until unsatisfactory conditions have been corrected.
- C. Clean glazing channels and other framing members receiving glass immediately before glazing. Remove coatings that are not firmly bonded to substrates.

3.2 INSTALLATION (GLAZING)

- A. Comply with referenced FGMA standards and instructions of manufacturers of glass, glazing sealants, and glazing compounds.
- B. Protect glass from edge damage during handling and installation. Inspect glass during installation and discard pieces with edge damage that could affect glass performance.
- C. Set units of glass in each series with uniformity of pattern, draw, bow, and similar characteristics.
- D. Cut glazing tape to length and set against permanent stops, flush with sight lines to fit openings exactly, with stretch allowance during installation.
- E. Place setting blocks located at quarter points of glass with edge block no more than 6 inches from corners.
- F. Glaze vertically into labeled fire-rated metal frames or partition walls with same fire rating as glass and push against tape for full contact at perimeter of pane or unit.
- G. Place glazing tape on free perimeter of glazing in same manner described above.
- H. Install removable stop and secure without displacement of tape.
- I. Use specified glazing compound, without adulteration; bed glazing material in glazing compound; entirely fill all recess and spaces. Provide visible glazing compound with smooth and straight edges.
- J. Install in vision panels in fire-rated doors to requirements of NFPA 80.
- K. Install so that appropriate UL and FireLite® NT markings remain permanently visible.

3.3 PROTECTION AND CLEANING

- A. Protect glass from contact with contaminating substances resulting from construction operations. Remove any such substances by method approved by glass manufacturer.
- B. Wash glass on both faces not more than four days prior to date scheduled for inspections intended to establish date of substantial completion. Wash glass by method recommended by glass manufacturer.

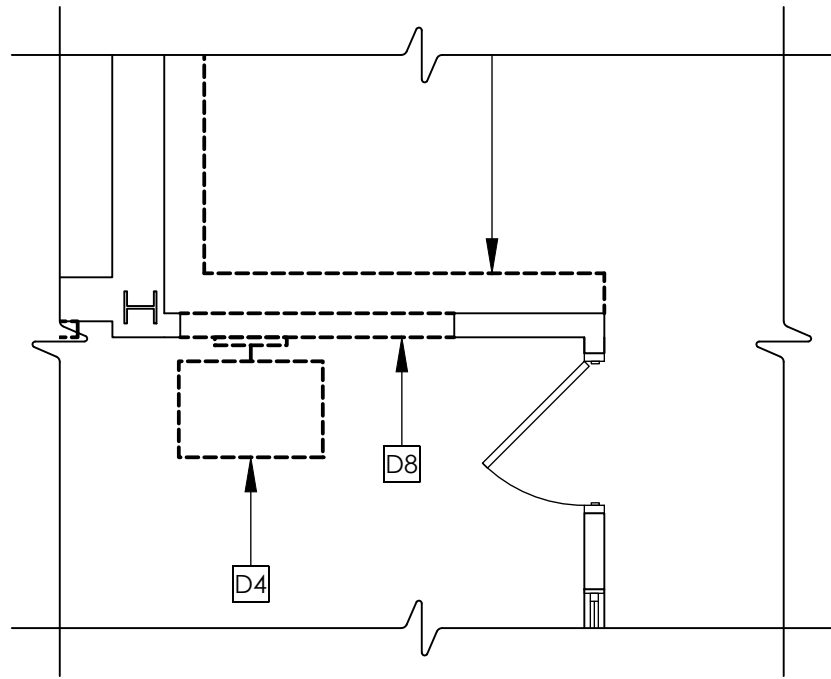
END OF SECTION 08 8110

Plotted By: Ryan Goshua

Date last plotted: 3/5/2021 12:02 PM

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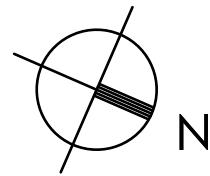
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1
A101

PARTIAL ENLARGED THIRD FLOOR DEMOLITION PLAN

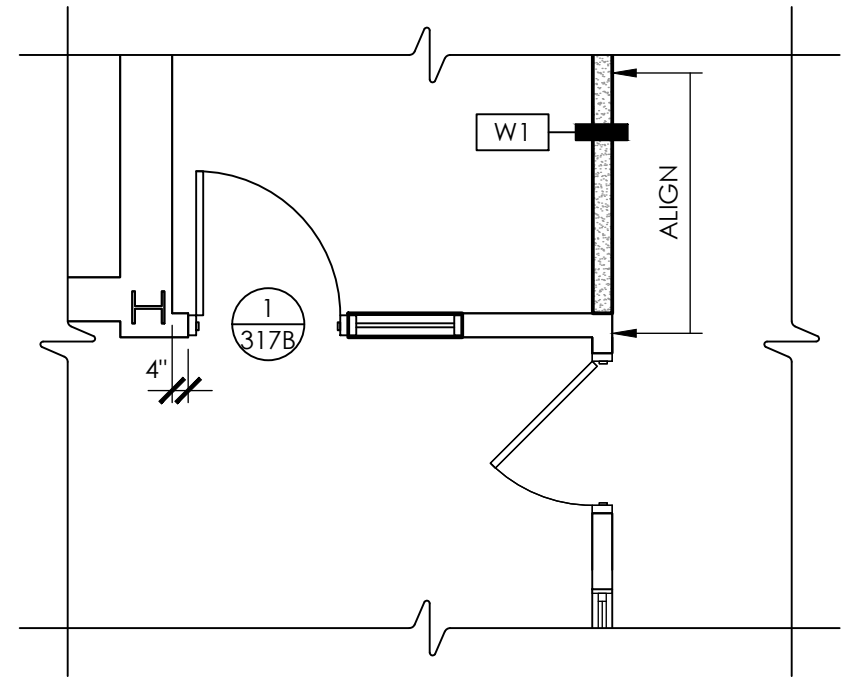
SCALE: 1/4" = 1'-0"



1
A201

PARTIAL THIRD FLOOR NEW WORK PLAN

SCALE: 1/4" = 1'-0"



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PLEASANTVILLE UFSD - PHASE 2 2019 CAPITAL IMPROVEMENTS PROJECT

60 ROMER AVENUE, PLEASANTVILLE, NY 10570

BEDFORD ROAD SCHOOL SED #: 66-08-09-03-0-009-005
MIDDLE SCHOOL SED #: 66-08-09-03-0-003-023
HIGH SCHOOL SED #: 66-08-09-03-0-001-018

DATE: 03/05/21

DRAWN: RG

DESIGNED:

CHECKED: LT

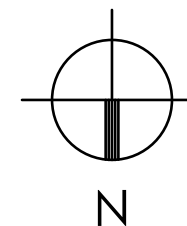
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PROJECT NUMBER

15131.01

DRAWING NUMBER

AD01-A02



REVISIONS				
NO.	DATE	BY	CHKD	DESCRIPTION
1	03/05/21	RG	LT	BID ADDENDUM NO. 1



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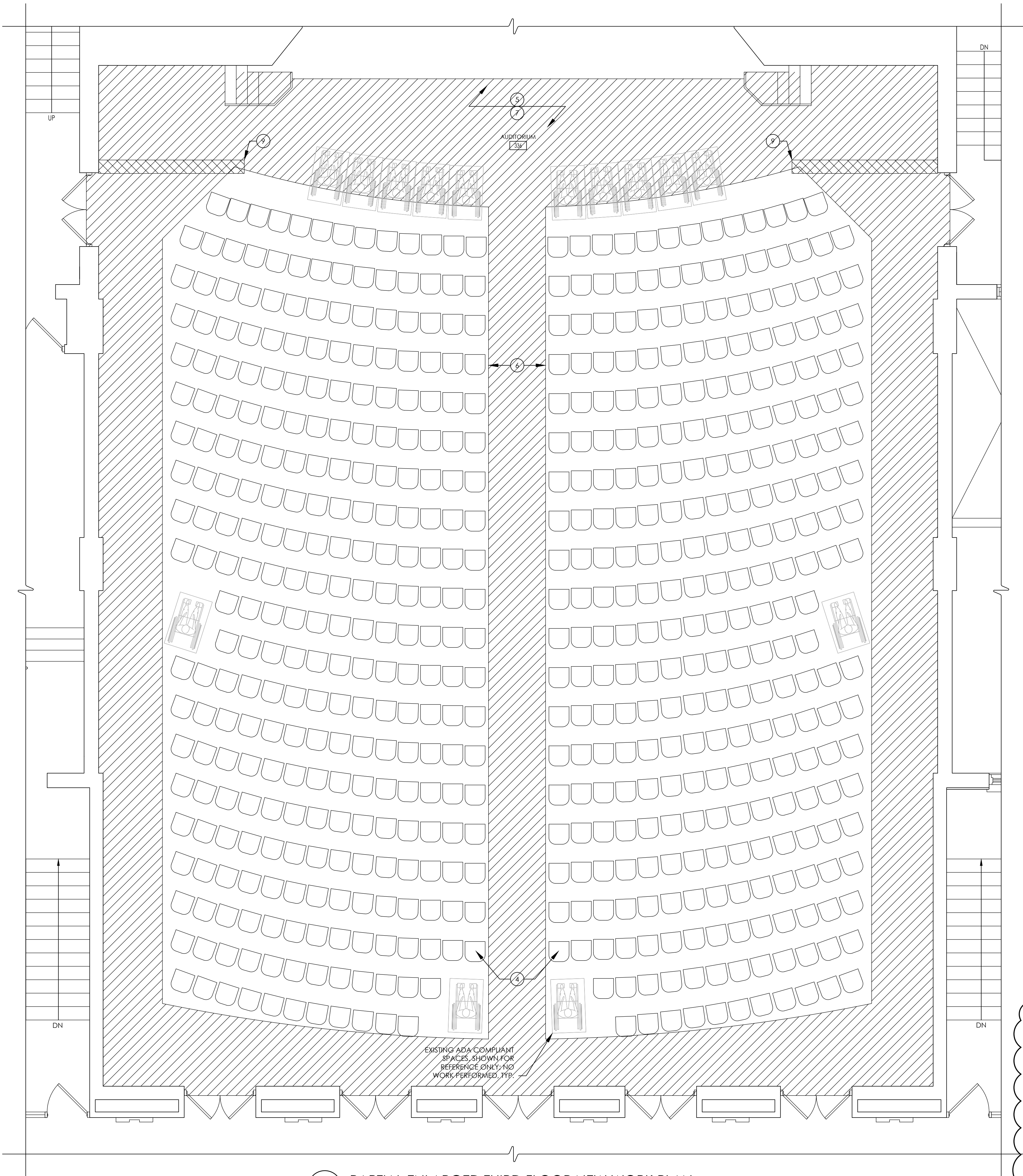
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MIDDLE SCHOOL SED #: 66-08-09-03-0-003-023
HIGH SCHOOL SED #: 66-08-09-03-0-001-018

DATE:	03/05/21
DRAWN:	RG
DESIGNED:	
CHECKED:	LT
SCALE:	AS NOTED

PROJECT NUMBER
15131.01

DRAWING NUMBER
AD01-A01

Drawing Name: S:\Projects\Pleasantville UFSD\2019 Bond\1D Design\06 CAD\Phase 2\AutoCAD\ARCH\A2\PHS_A203.dwg Date last accessed: 3/5/2021 1:25 PM Date last plotted: 3/5/2021 4:06 PM Plotted By: Ryan Goshed



NEW CONSTRUCTION KEY NOTES:

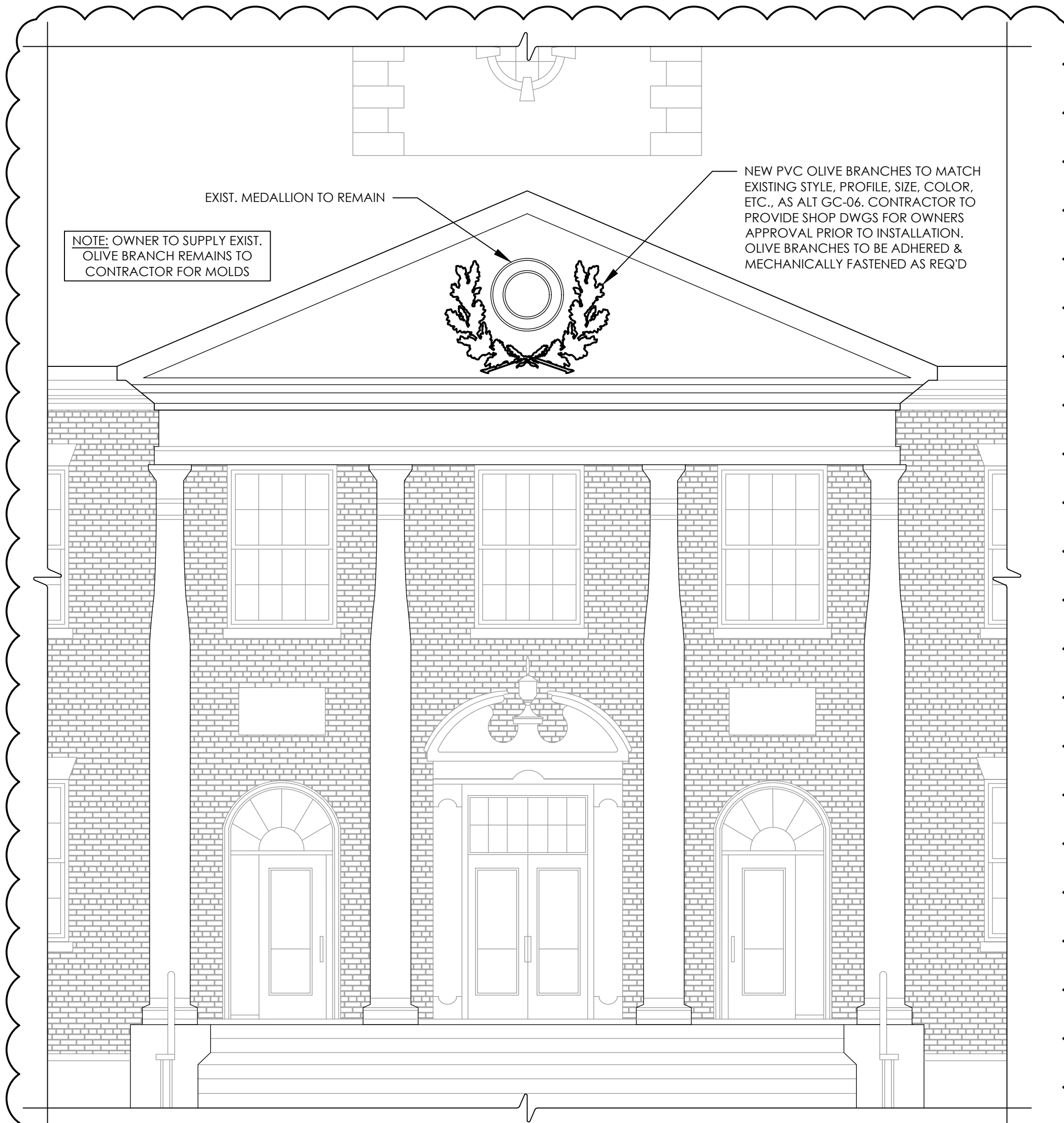
1. INSTALL NEW SLAB WATERPROOFING FULL EXTENT OF ROOM.
2. NEW VCT FULL EXTENTS OF ROOM.
3. REINSTALL WOOD WALL BASE.
4. REINSTALL FIXED SEATING (ONLY THE TWO SEATS INDICATED).
5. INSTALL NEW SHOE MOLDING FULL PERIMETER OF ROOM.
6. PROVIDE TRANSITION STRIP FULL PERIMETER OF CARPETED AREA, AISLE LIGHTS BY E.C. AS ALTERNATE GC-1.
7. PROVIDE NEW SOLID VINYL TILE FULL EXTENTS OF HATCHED AREA.
8. CLEAN OUT AREAWAYS AND JET THE PERIMETER DRAINAGE PIPES.
9. INFILL CONCRETE FLOOR SLAB TO MATCH EXISTING. AS PART OF ALTERNATE GC-1. SEE DETAIL 3/A203.

LEGEND:

- XX WINDOW TYPE. SEE GEN-A801 & GEN-A802 FOR ADDITIONAL DETAILS.

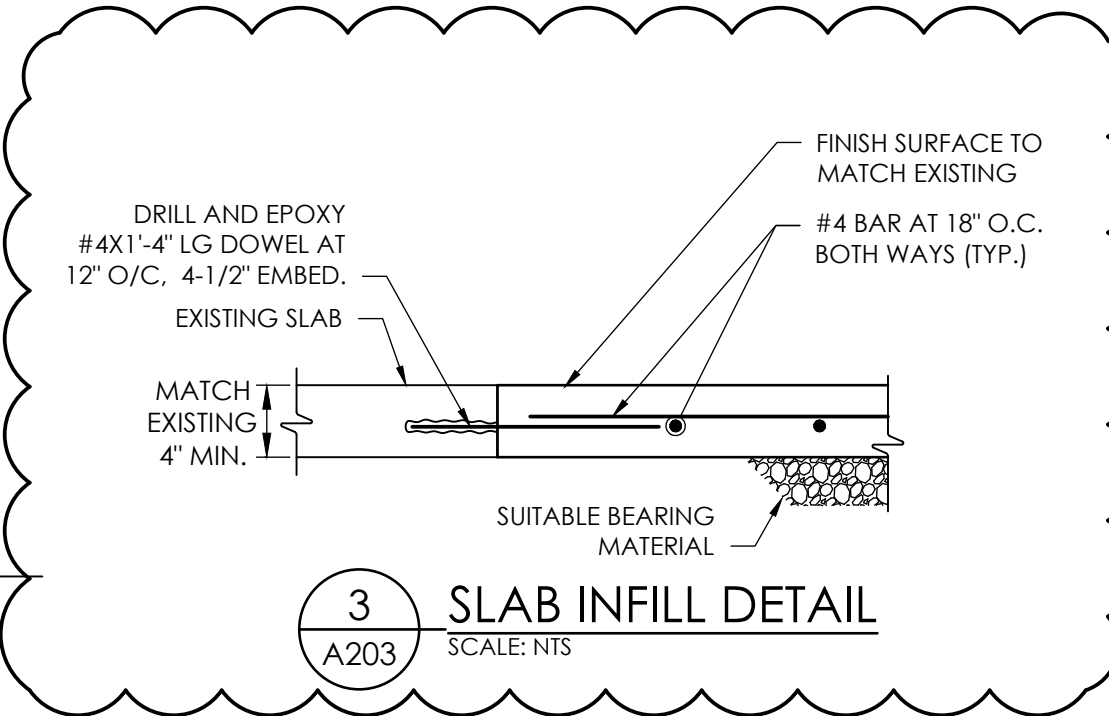
GENERAL CONSTRUCTION NOTES:

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF EXISTING AND NEW MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING FINISHES AND EQUIPMENT NOT SCHEDULED TO BE REMOVED UNDER THE SCOPE OF WORK. ANY DAMAGE WILL BE REPAIRED TO THE OWNER/ARCHITECT'S SATISFACTION AT NO COST TO THE OWNER.
3. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT THE END OF EACH WORK DAY.
4. THE CONTRACTOR SHALL PROVIDE DUST CONTROL BARRIERS AT ALL AREAS OF CONSTRUCTION.
5. THE CONTRACTOR SHALL PATCH ALL SURFACES WHERE EXISTING MATERIALS HAVE BEEN DISTURBED TO MATCH AND BE FLUSH WITH ADJACENT CONSTRUCTION AT ALL FLOOR, WALL, AND CEILING LOCATIONS.
6. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.



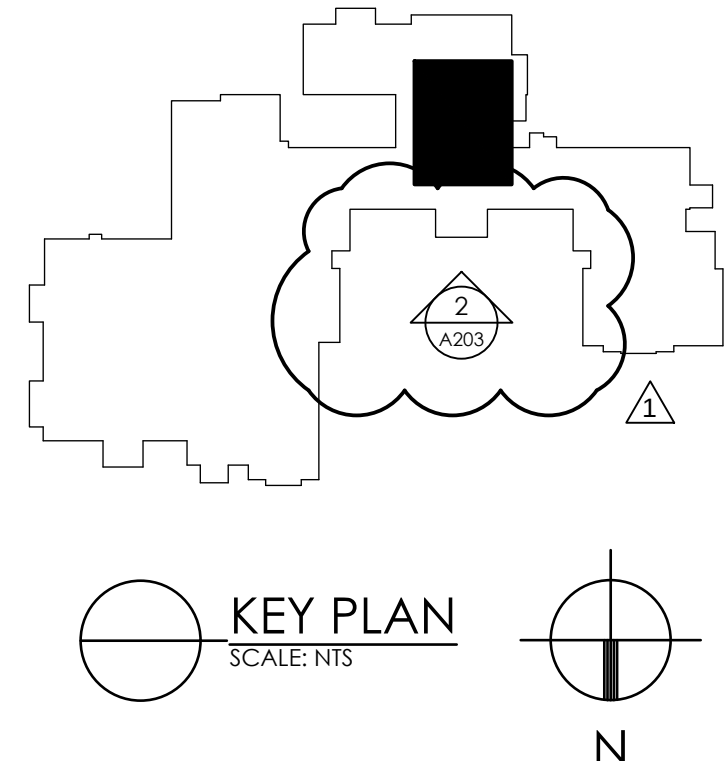
2 PARTIAL NEW WORK ENTRANCE ELEVATION

SCALE: 1/4" = 1'-0"



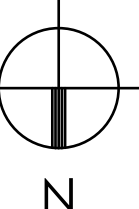
3 SLAB INFILL DETAIL

SCALE: NTS



KEY PLAN

SCALE: NTS



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REVISIONS	NO.	DATE	BY	RG	BP	DESCRIPTION
	1	3/2/2021				BID ADDENDUM NO. 1

PLEASANTVILLE UFSD
PHASE 2 - 2019 CAPITAL
IMPROVEMENTS PROJECT
60 ROMER AVENUE, PLEASANTVILLE, NY 10570
BEDFORD ROAD SCHOOL SED #66-08-09-03-0-009-005
MIDDLE SCHOOL SED #66-08-09-03-0-003-023
HIGH SCHOOL SED #66-08-09-03-0-001-018

DATE	DRAWN	CHECKED
1/18/21	RG	LT

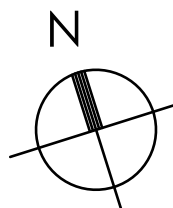
SCALE: 1/4" = 1'-0"

SHEET TITLE
HIGH SCHOOL PARTIAL
THIRD FLOOR
NEW WORK PLAN

PROJECT NUMBER
15131.01

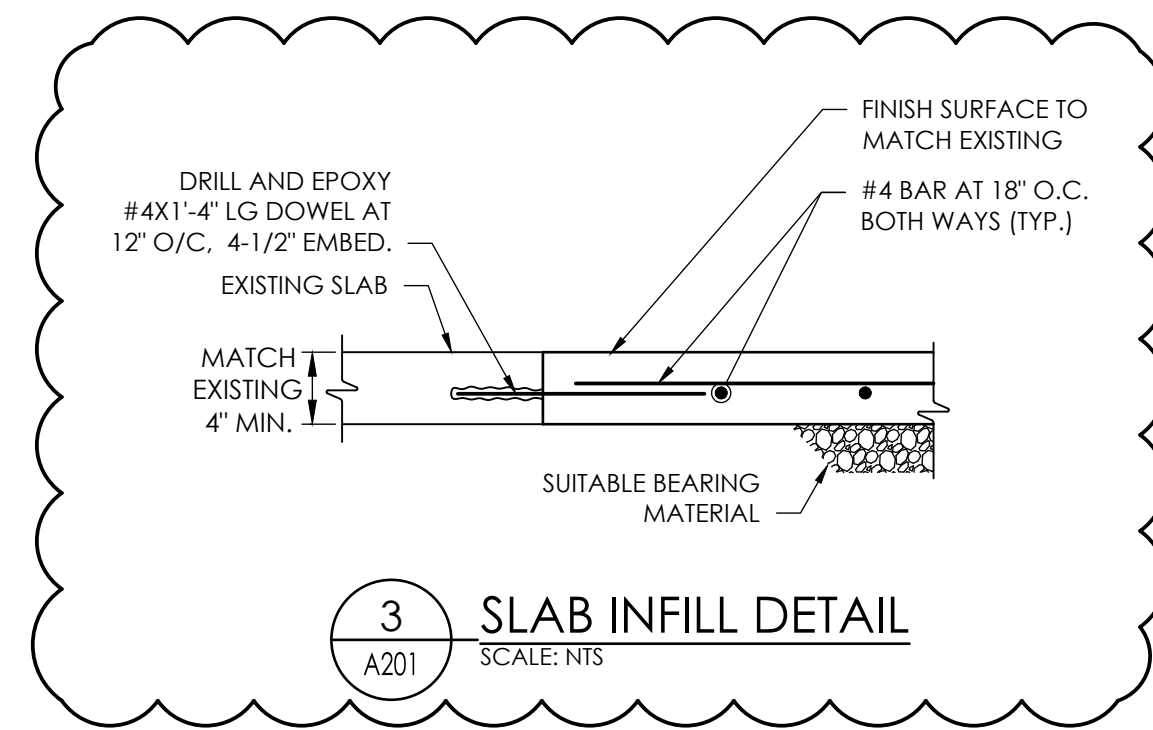
PHS
A203
DRAWING NUMBER

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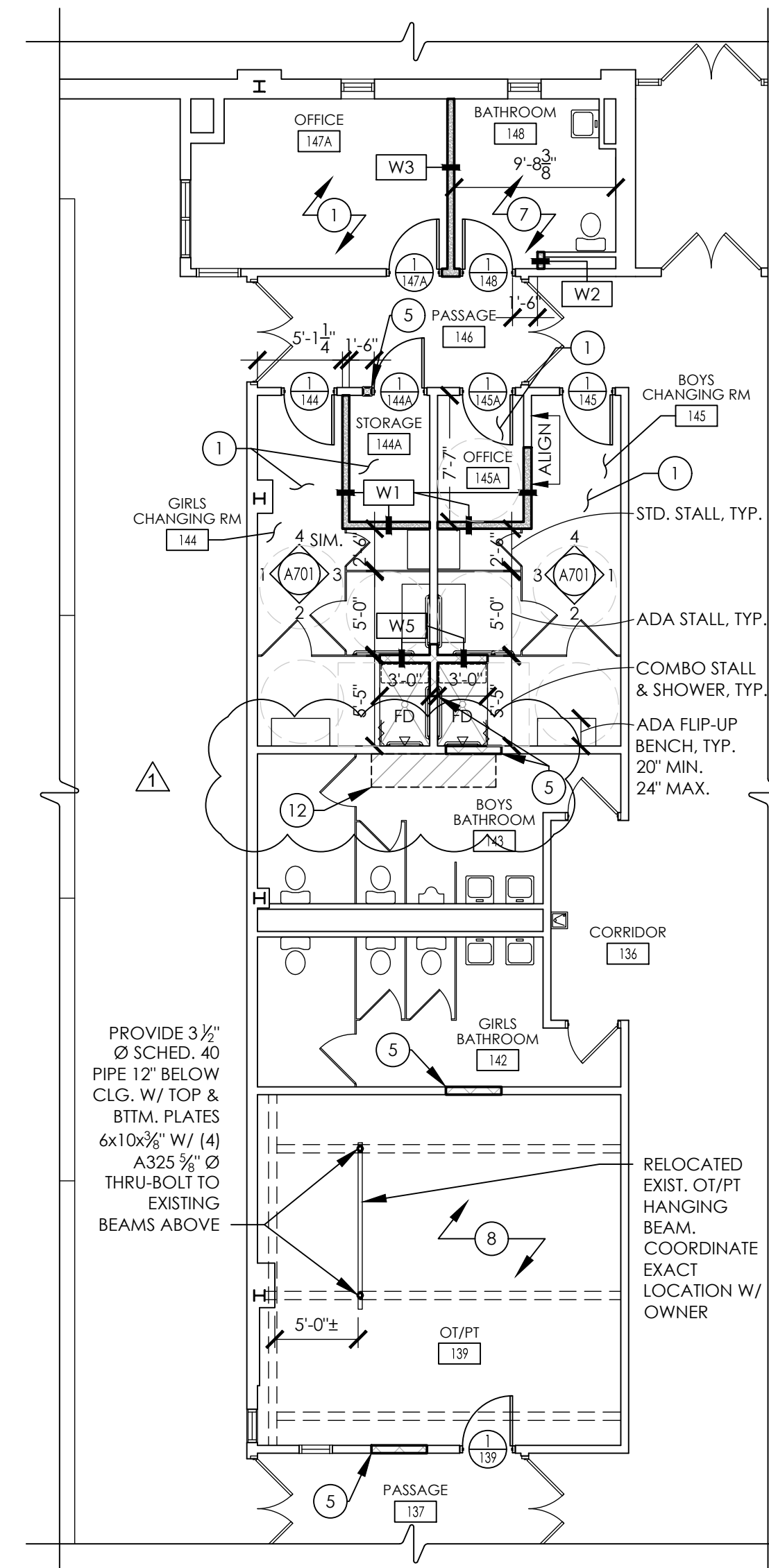


- 1 NEW VCT AND RUBBER WALL BASE.
- 2 INSTALL NEW WINDOW TREATMENTS.
- 3 REINSTALL SALVAGED CASEWORK.
- 4 INFILL DEPRESSED FLOOR SLAB TO MATCH EXISTING AS PART OF ALTERNATE GC-4. SEE DETAIL 3/A201.
- 5 INFILL EXISTING WALL CONSTRUCTION WITH NEW TO MATCH EXISTING.
- 6 NOT USED.
- 7 NEW CERAMIC FLOOR TILE & CERAMIC TILE WAINSCOT - SEE "T" SERIES DRAWINGS FOR ADDITIONAL DETAIL.
- 8 NEW ATHLETIC FLOORING.
- 9 PATCH TO MATCH EXISTING FLOOR WITH LIKE CONSTRUCTION.
- 10 REINSTALL SALVAGED CEILING TILE. PATCH TO MAKE EXISTING CEILING TILE AS REQUIRED.
- 11 INSTALL NEW VCT IN LOCATION OF UNIT VENTILATOR AS PART OF ALTERNATE GC-5.
- 12 INFILL CONCRETE FLOOR SLAB TO MATCH EXISTING. PATCH TO MATCH FLOOR TILE AS REQUIRED.

 WINDOW TYPE. SEE GEN-A801 & GEN-A802 FOR ADDITIONAL DETAILS.



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6. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.



2 PARTIAL ENLARGED FIRST FLOOR NEW WORK PLAN
A201 SCALE: 1/8" = 1'-0"



REVISIONS			DESCRIPTION
NO.	DATE	BY	
1	3/2/2021	RG	BID ADDENDUM NO.1

PLEASANTVILLE UFSD
PHASE 2 - 2019 CAPITAL
IMPROVEMENTS PROJECT
60 ROMER AVENUE, PLEASANTVILLE, NY 10575
BEDFORD ROAD SCHOOL SED #66-08-09-03-00-00000000
MIDDLE SCHOOL SED #66-08-09-03-00-0003-00000000
HIGH SCHOOL SED #66-08-09-03-00-0001-00000000

DATE	DRAWN	CHECKED
1/18/21	RG	LT
SCALE 1/16" = 1'-0"		
SHEET TITLE		
MIDDLE SCHOOL		
FIRST FLOOR		
NEW WORK PLAN		

PROJECT NUMBER
15131.01

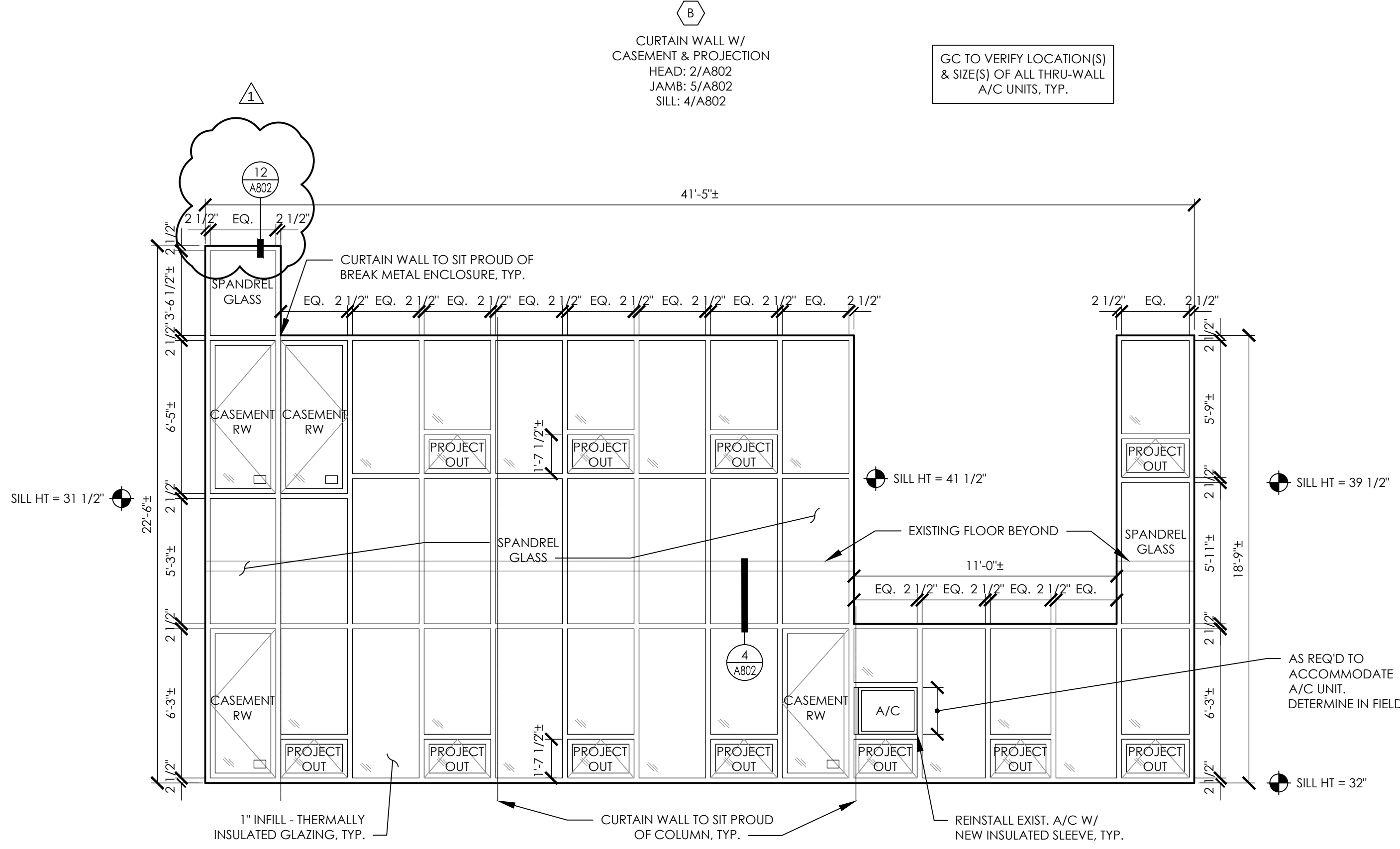
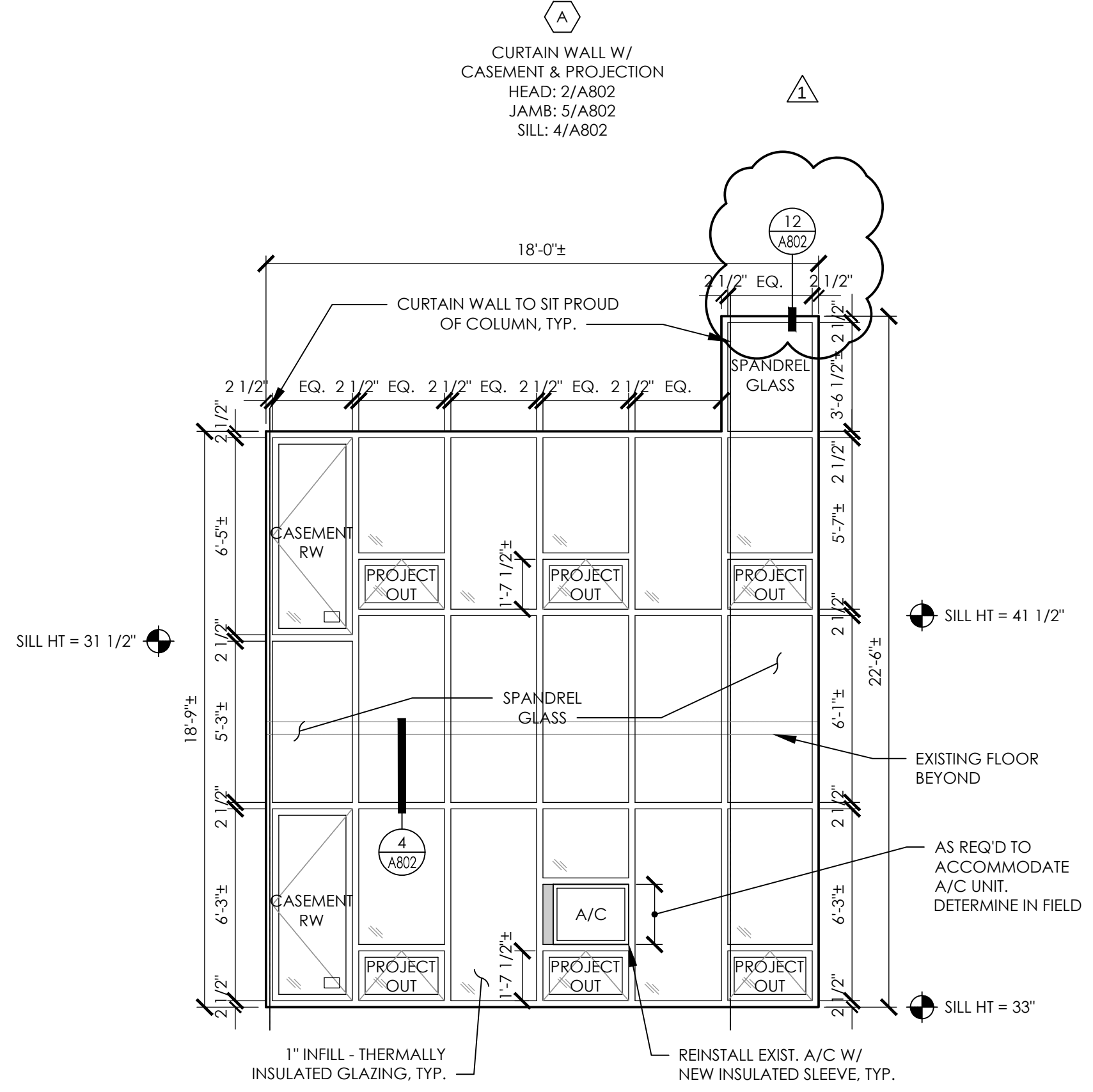
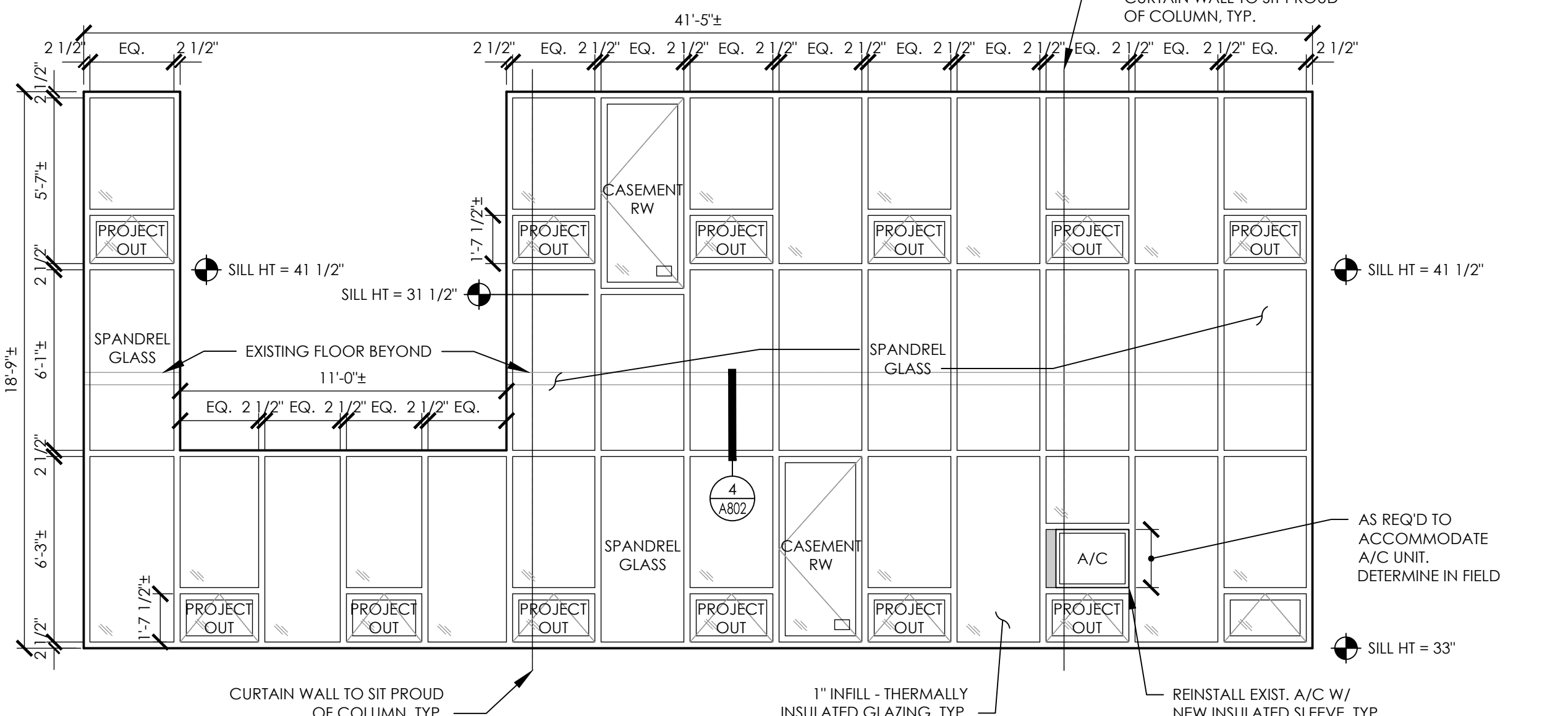
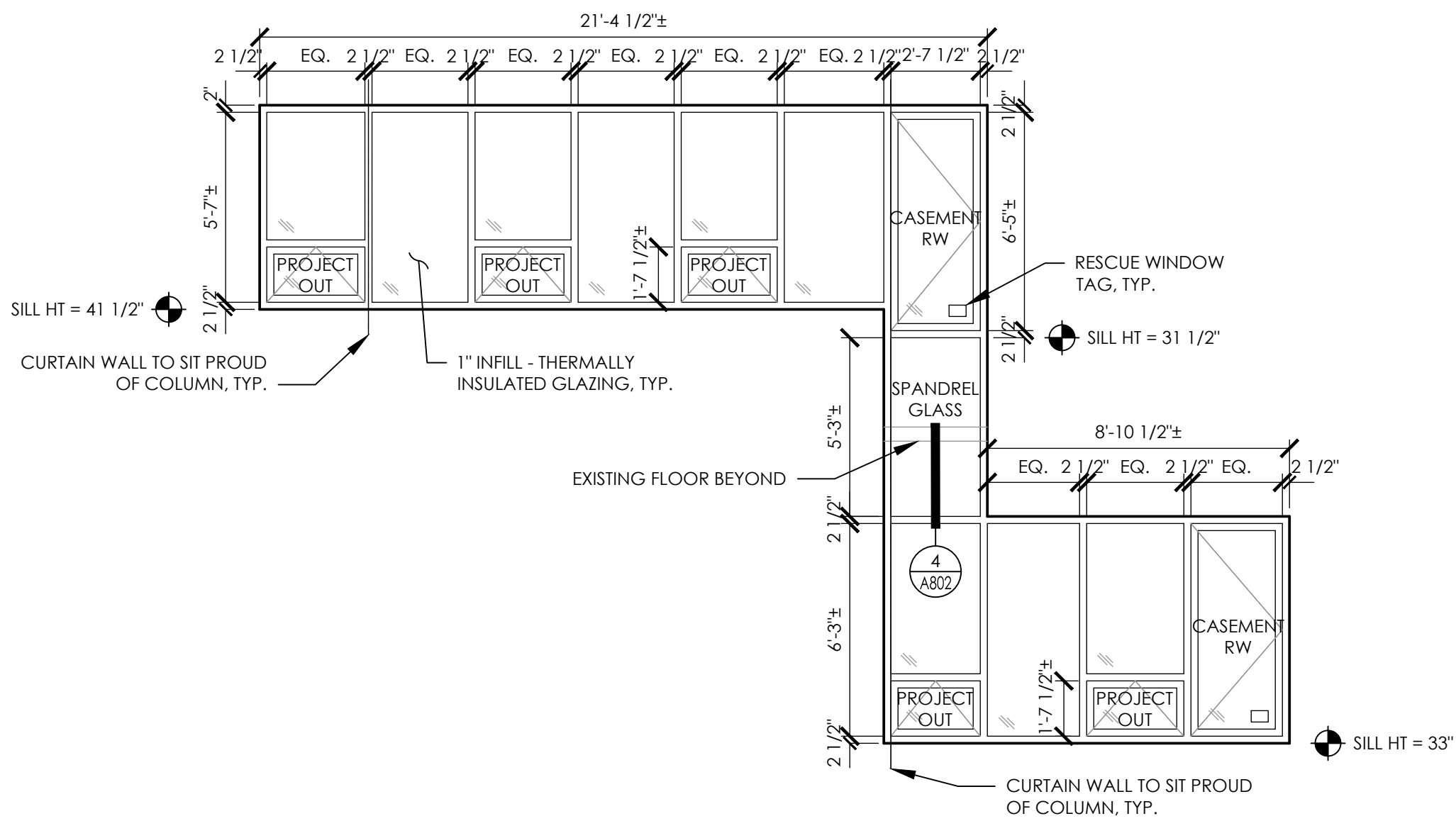
PMS
A201

DRAWING NUMBER

LEGEND	
WD	WOOD
HM	HOLLOW METAL
EX	EXISTING
PT	PAINTED
MFR	MANUFACTURER
ALUM	ALUMINUM
SIM	SIMILAR

WINDOW SCHEDULE								
WINDOW TYPE	WINDOWS				DETAILS			REMARKS
	SIZE			MATERIAL / FINISH	JAMB DETAIL	HEAD DETAIL	SILL DETAIL	
	WIDTH	HEIGHT	TH.					
PLEASANTVILLE HIGH SCHOOL								
A	SEE ELEV	SEE ELEV	6"	ALUM/MFR	2/A802	3/A802	5/A802	-
B			6"	ALUM/MFR	2/A802	3/A802	5/A802	-
C			6"	ALUM/MFR	2/A802	3/A802	5/A802	-
D			6"	ALUM/MFR	2/A802	3/A802	5/A802	-
E			6"	ALUM/MFR	2/A802	3/A802	5/A802	-
PLEASANTVILLE MIDDLE SCHOOL								
F	23'-6"±	5'-9"±	4 1⁄2"	ALUM/MFR	7/A802	6/A802	8/A802	-
F1	23'-6"±	5'-9"±	4 1⁄2"	ALUM/MFR	7/A802	6/A802	8/A802	-
G	12'-0"±	5'-10"±	4 1⁄2"	ALUM/MFR	10/A802	9/A802	11/A802	-

NOTE: CONTRACTOR IS TO FIELD VERIFY WHICH DIRECTION RESCUE WINDOWS SWING & MATCH EXISTING. ALL RESCUE WINDOWS SHALL BE AT LEAST 6 SF AND THE MINIMUM DIMENSION SHALL BE 24 INCHES. ALL WINDOW HARDWARE FOR THE RESCUE WINDOWS SHALL BE A MAXIMUM OF 54 INCHES ABOVE THE FLOOR.



1 WINDOW TYPES
SCALE: 1/4" = 1'-0"



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NO.	DATE	BY	DESCRIPTION	
1	3/2/2021	RG	BP	BID ADDENDUM NO. 1

PLEASANTVILLE UFSD
PHASE 2 - 2019 CAPITAL
IMPROVEMENTS PROJECT
60 ROMER AVENUE, PLEASANTVILLE, NY 10570
BEDFORD ROAD SCHOOL SED #66-08-09-03-0-009-005
MIDDLE SCHOOL SED #66-08-09-03-0-003-023
HIGH SCHOOL SED #66-08-09-03-0-001-018

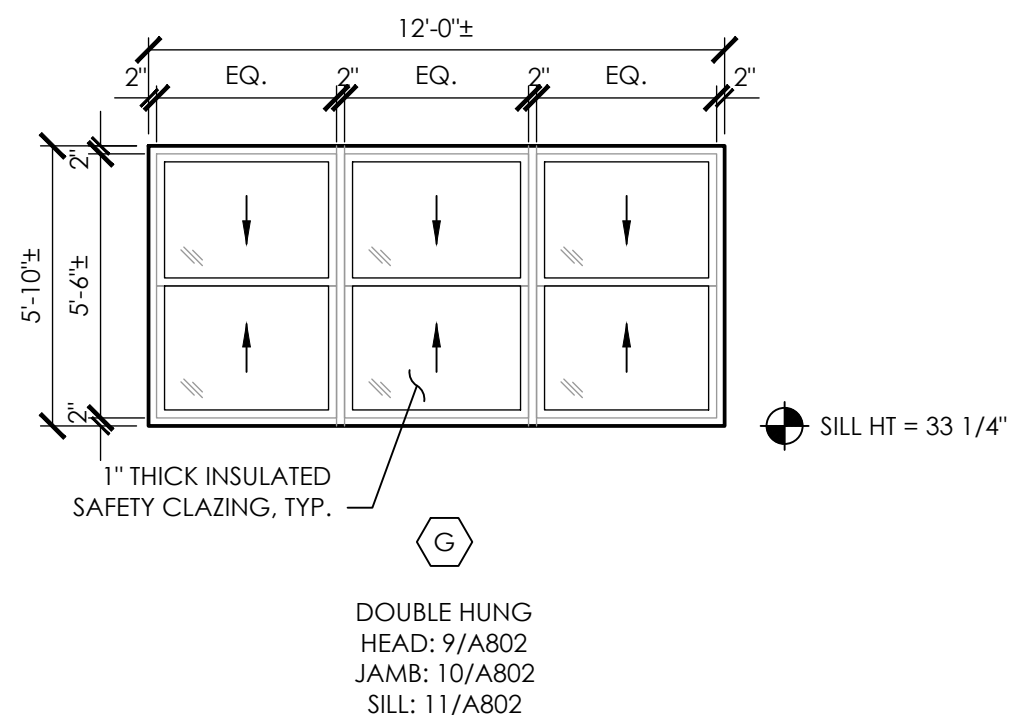
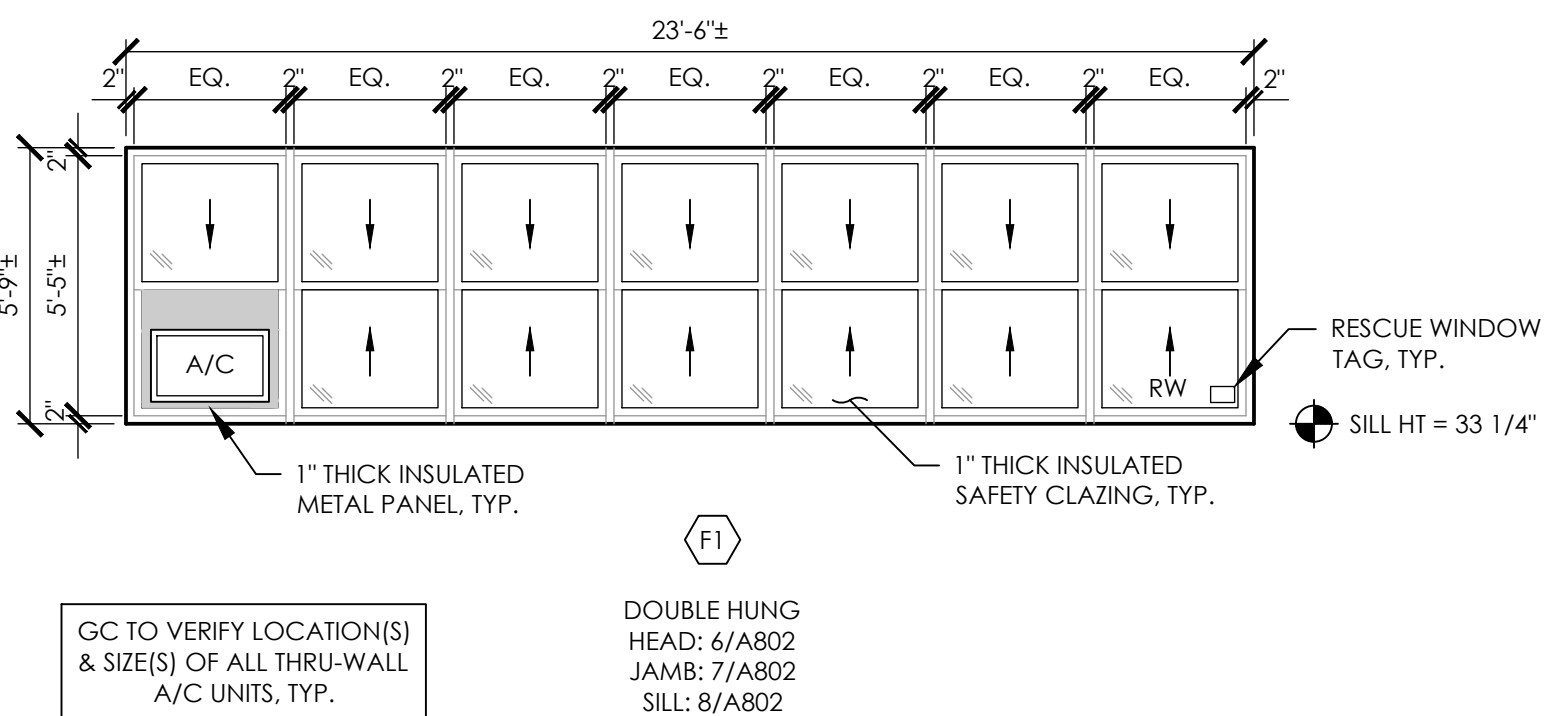
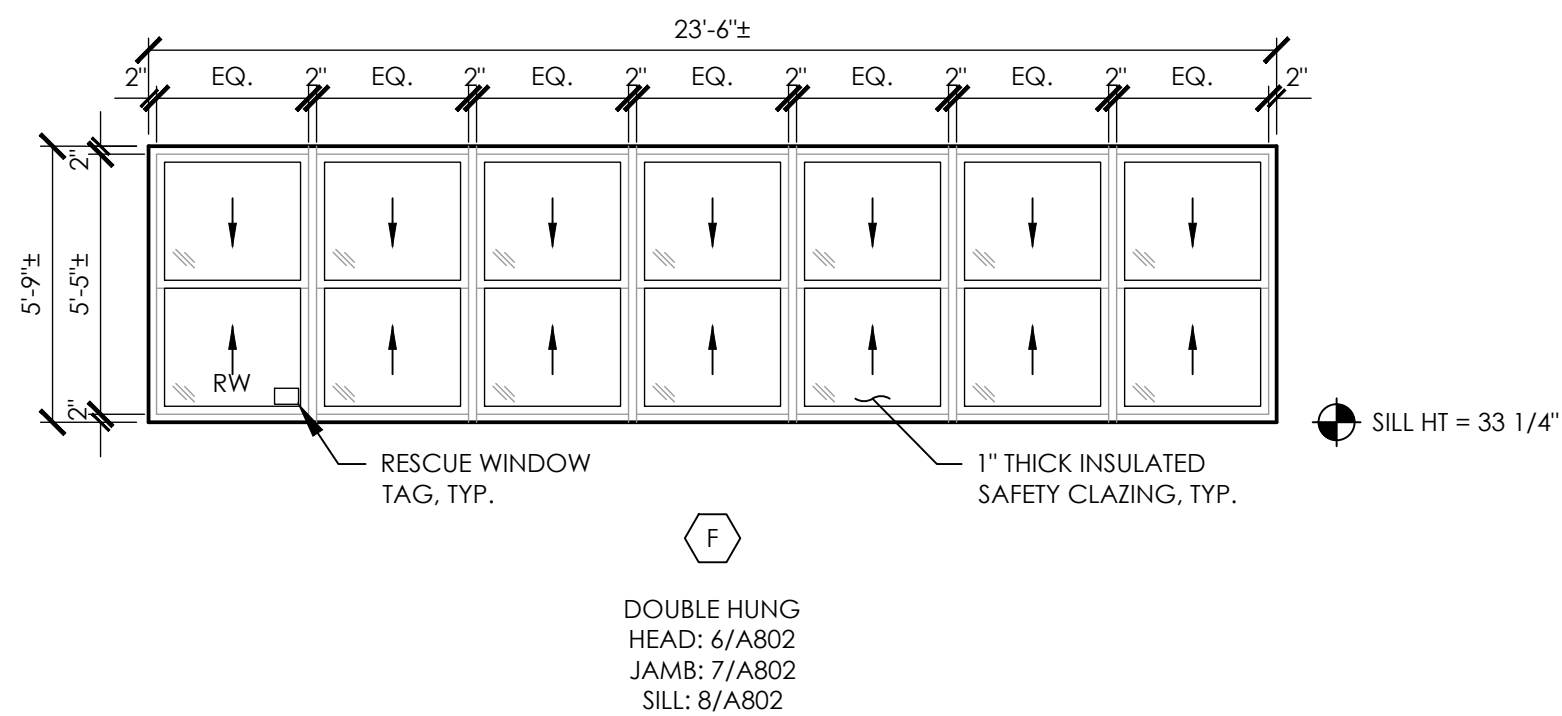
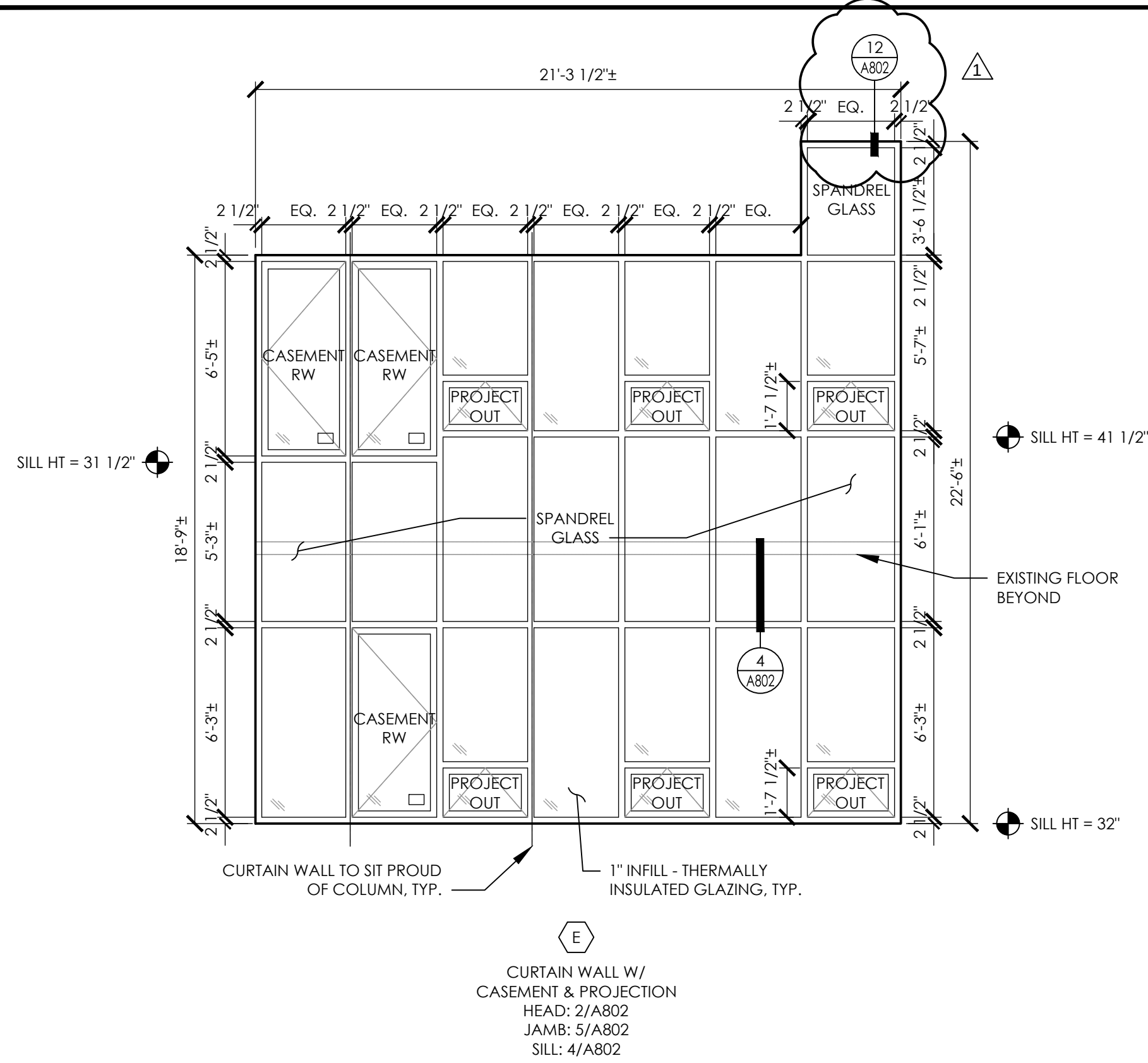
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1/18/21	RG	LT
SCALE AS NOTED		
SHEET TITLE		
WINDOW SCHEDULE & WINDOW TYPES		

PROJECT NUMBER
15131.01

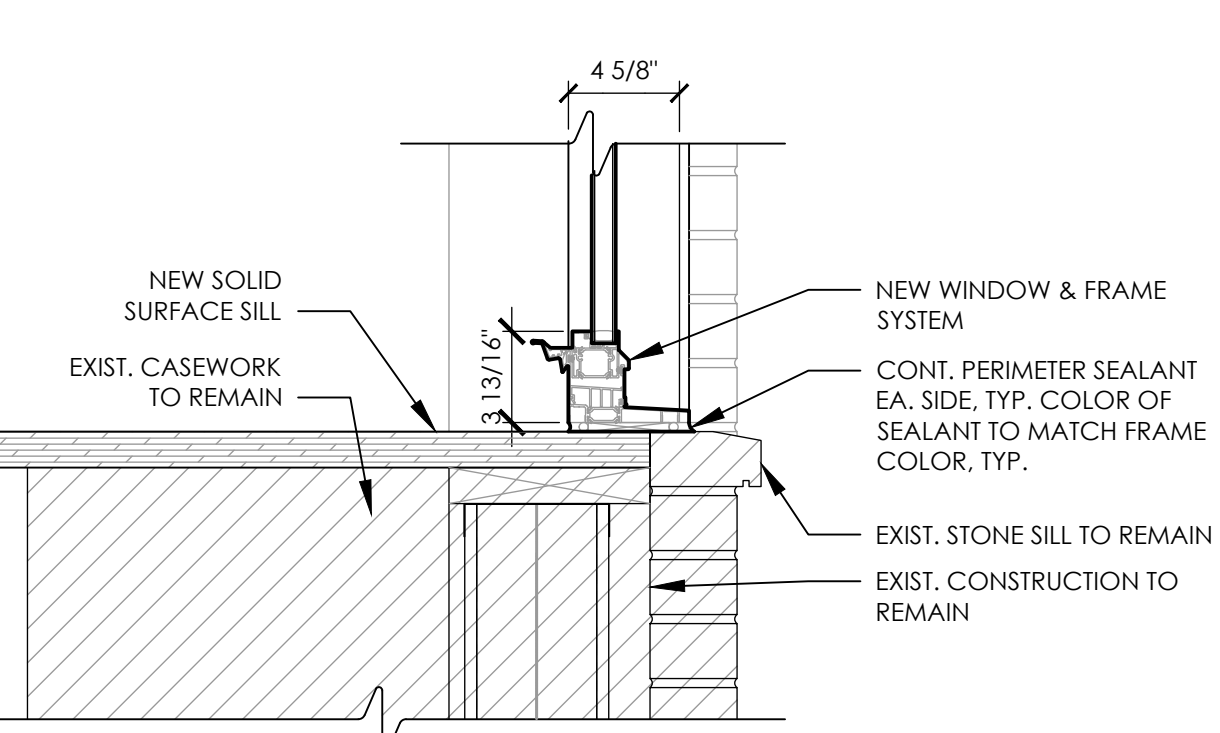
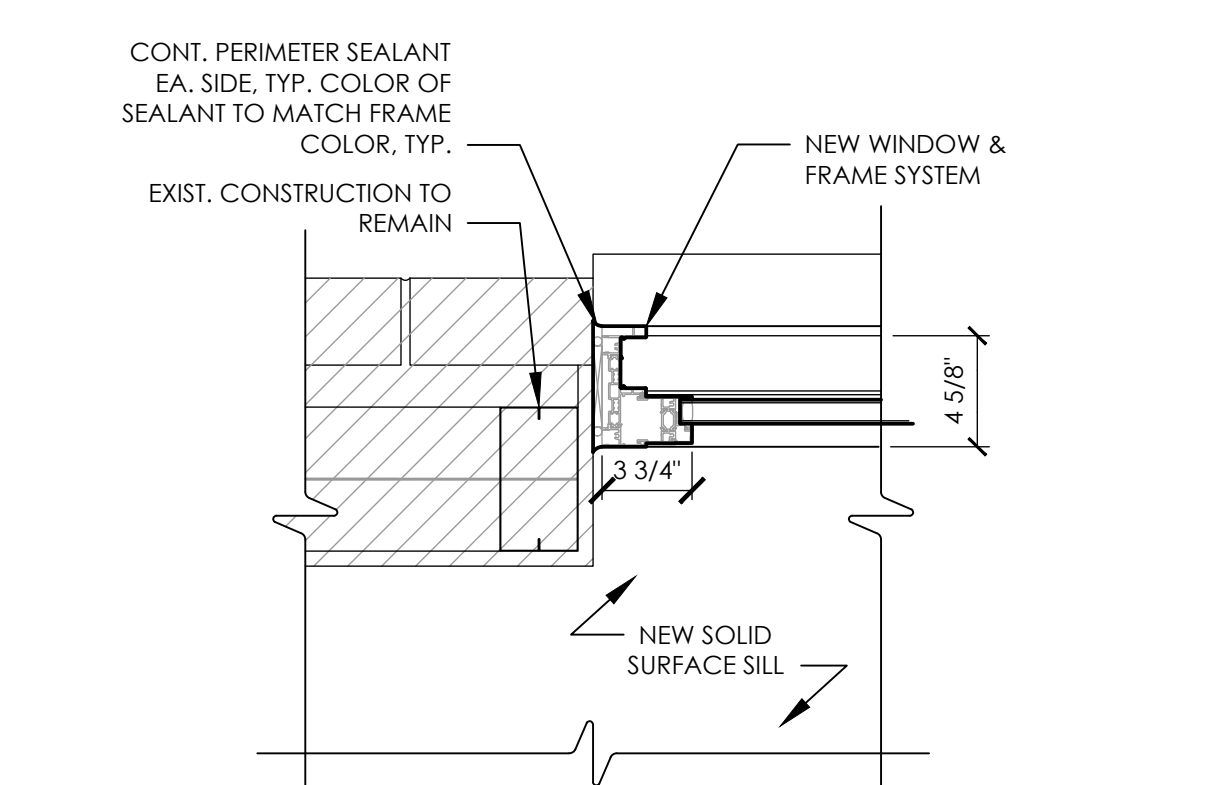
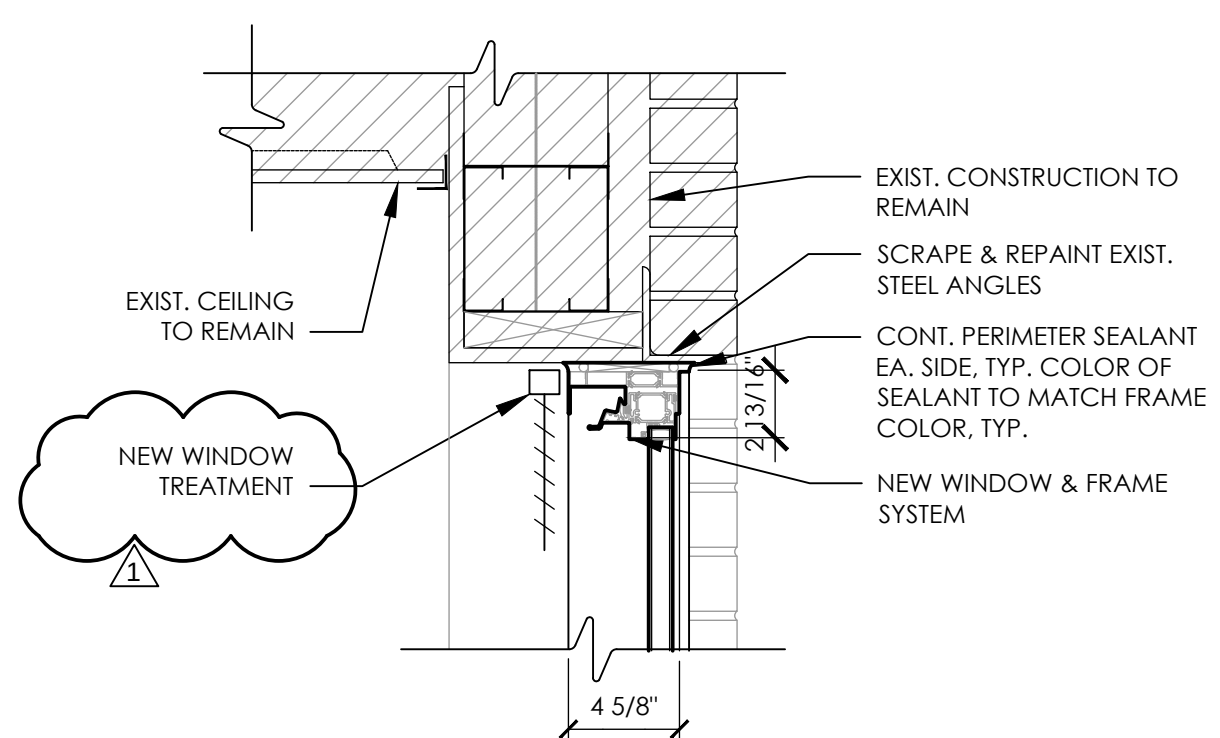
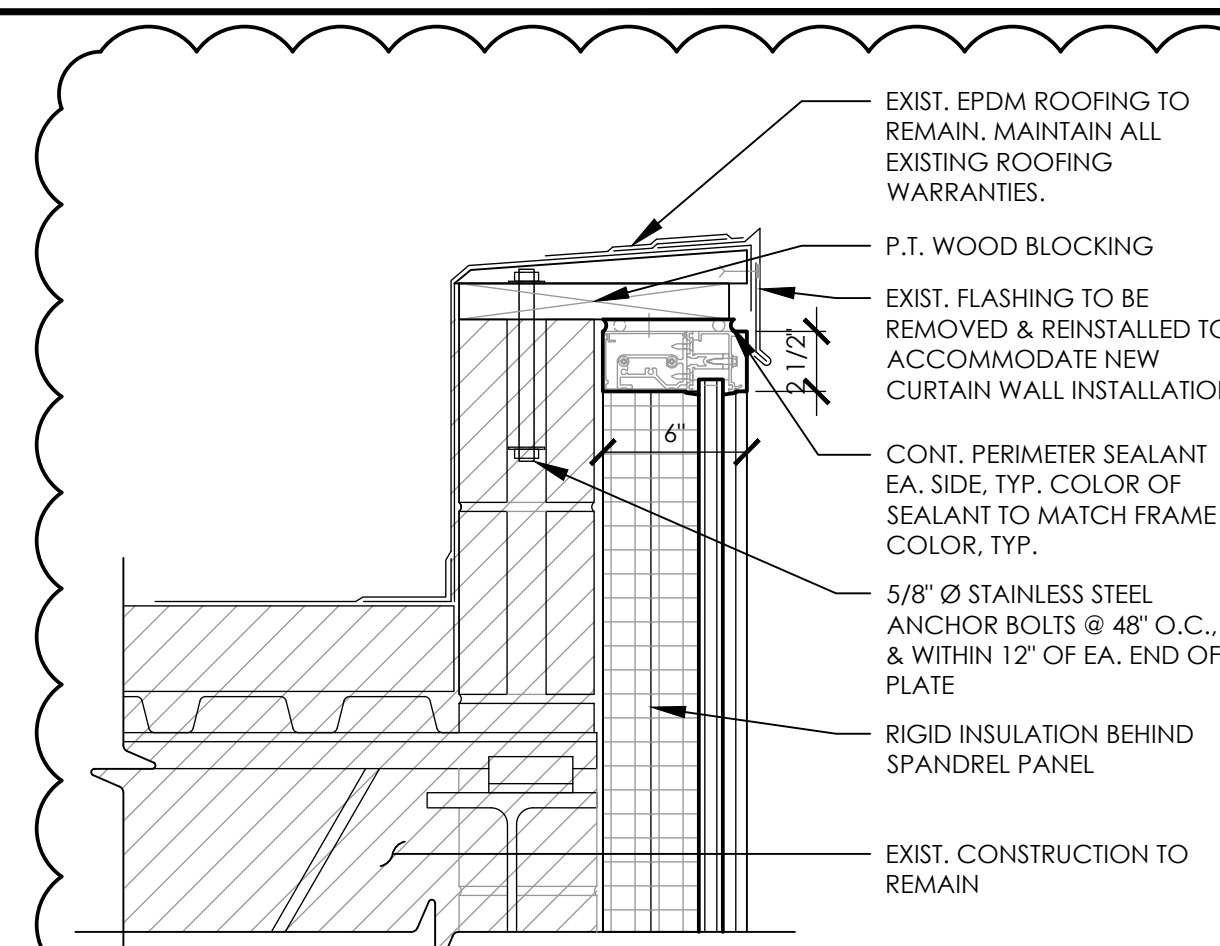
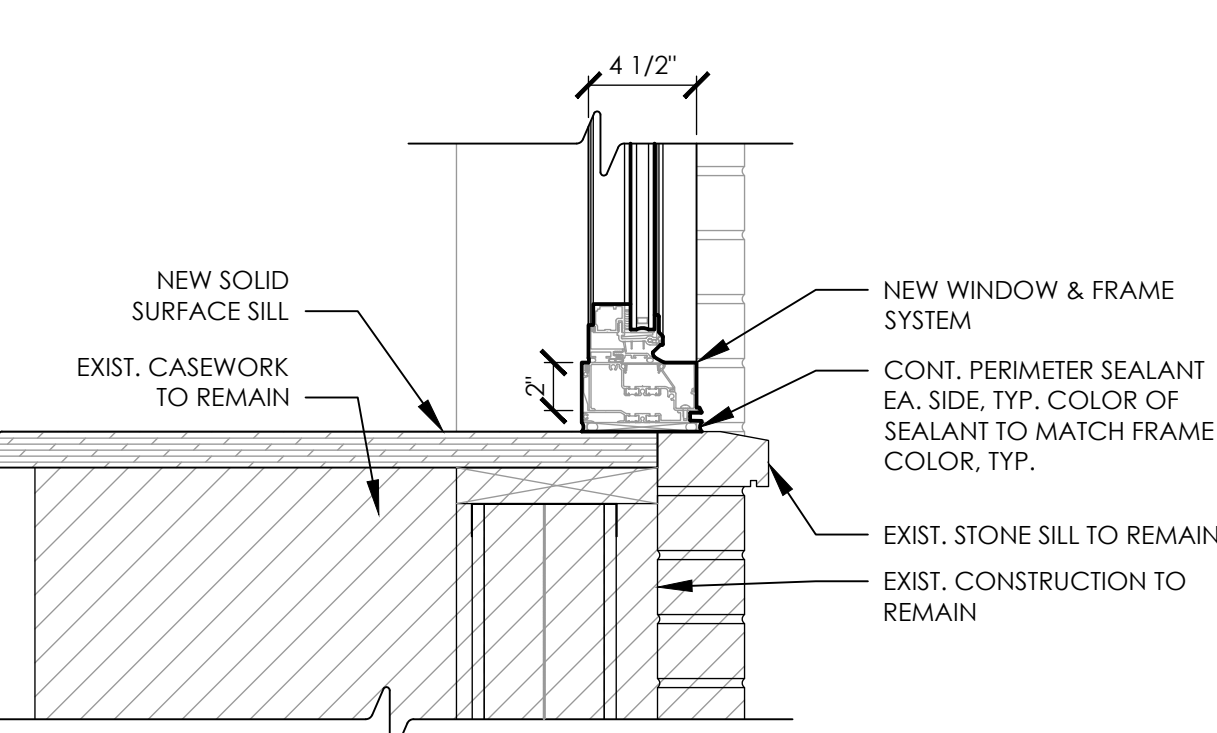
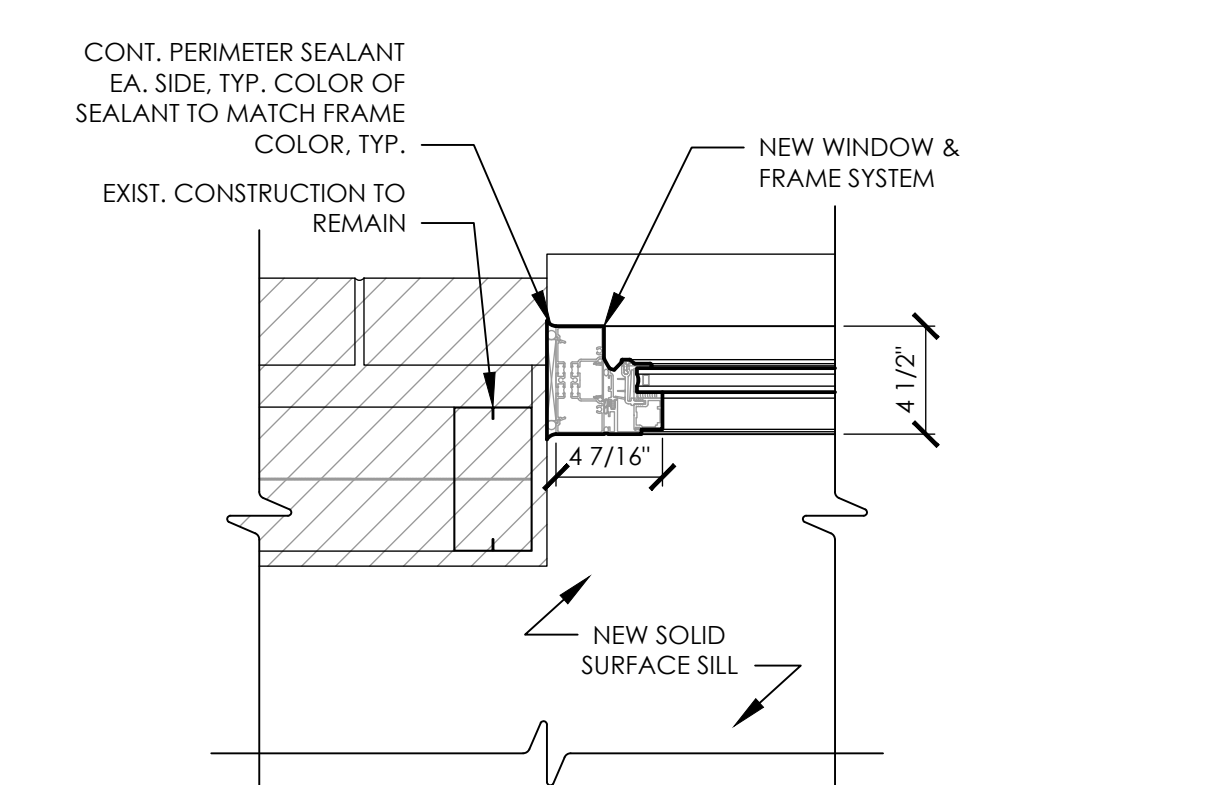
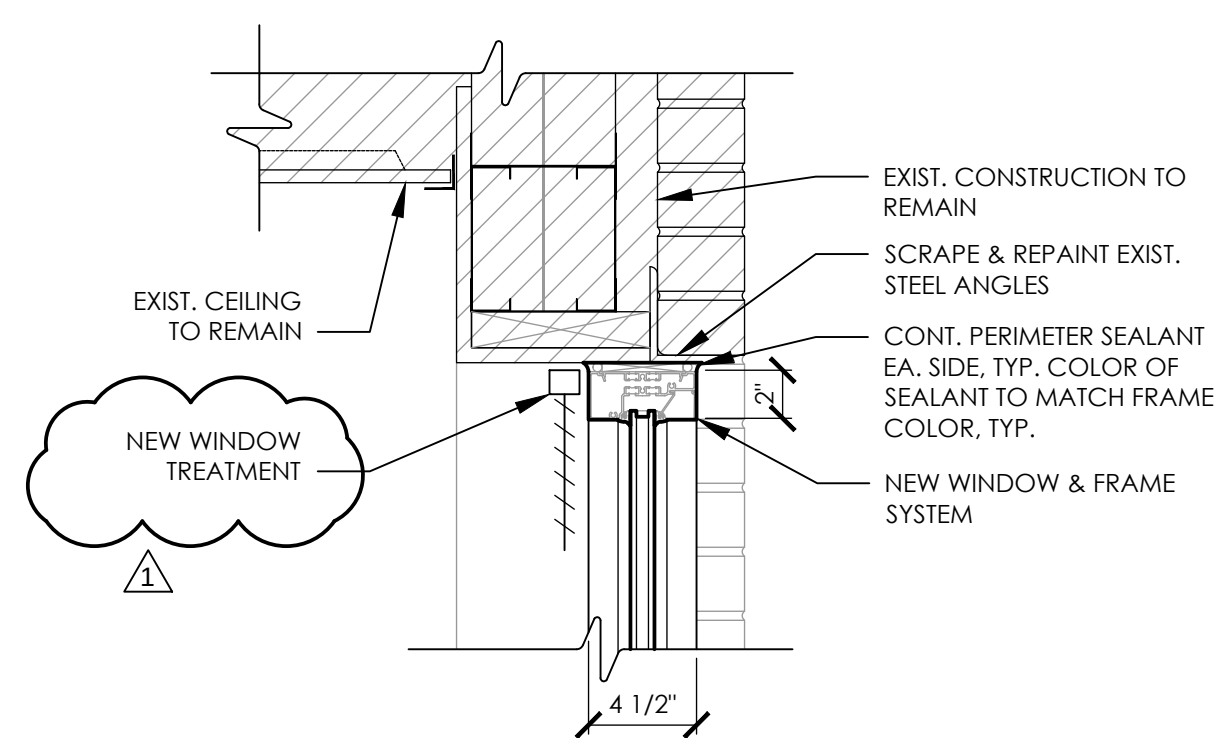
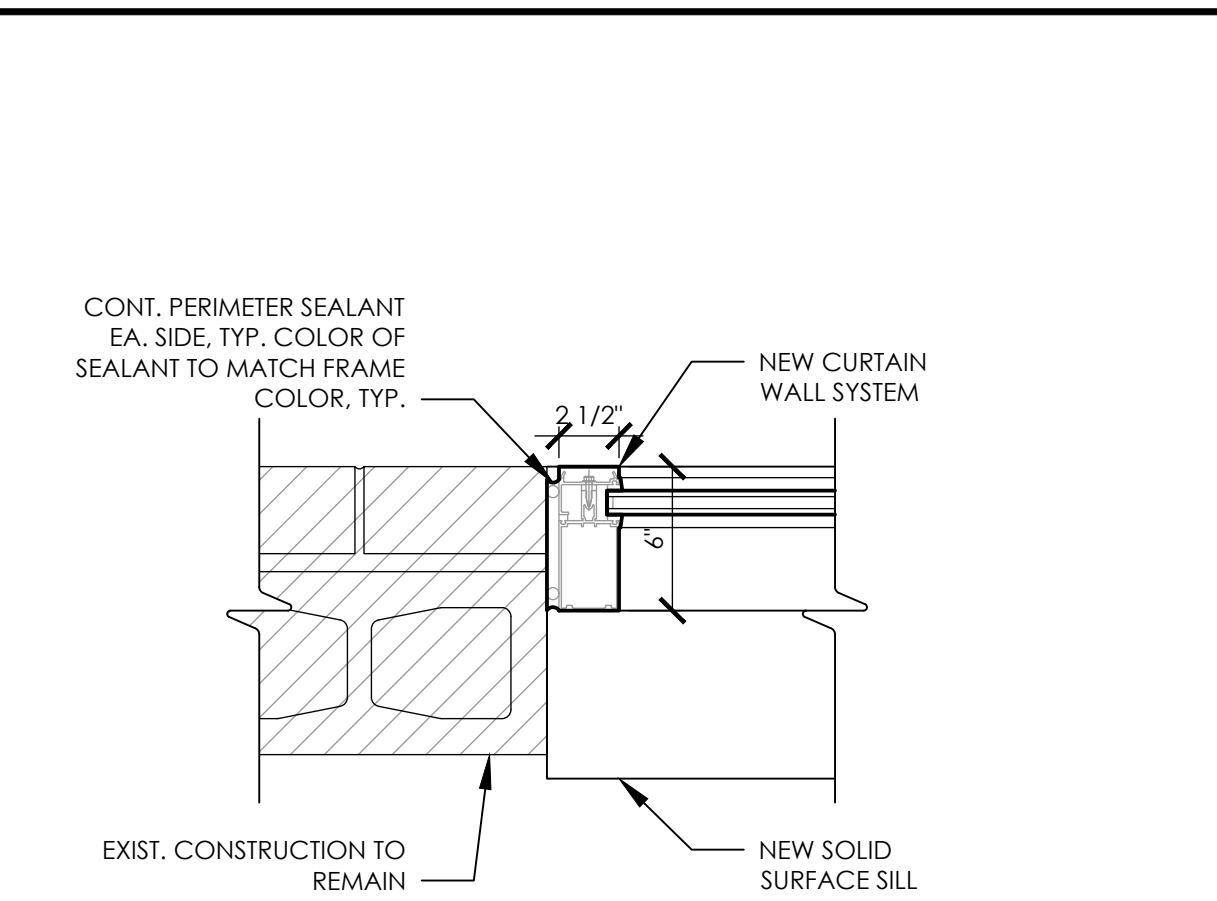
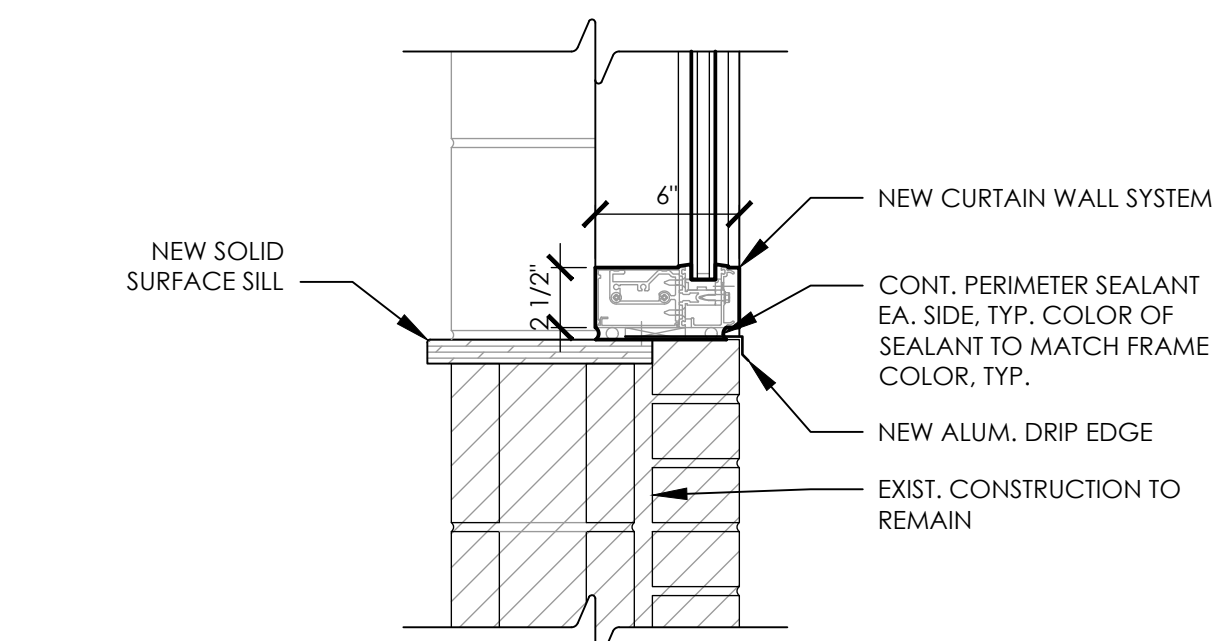
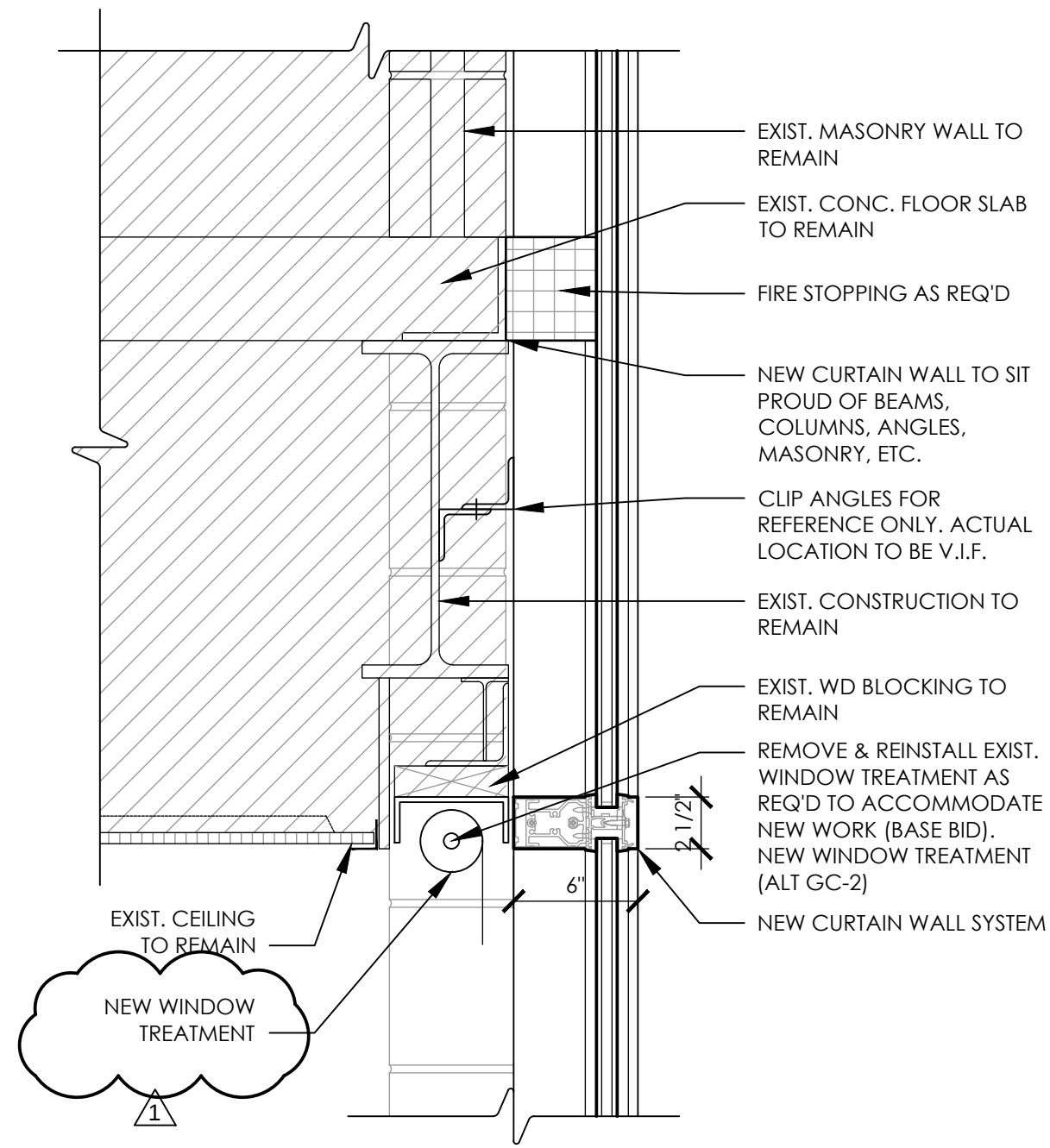
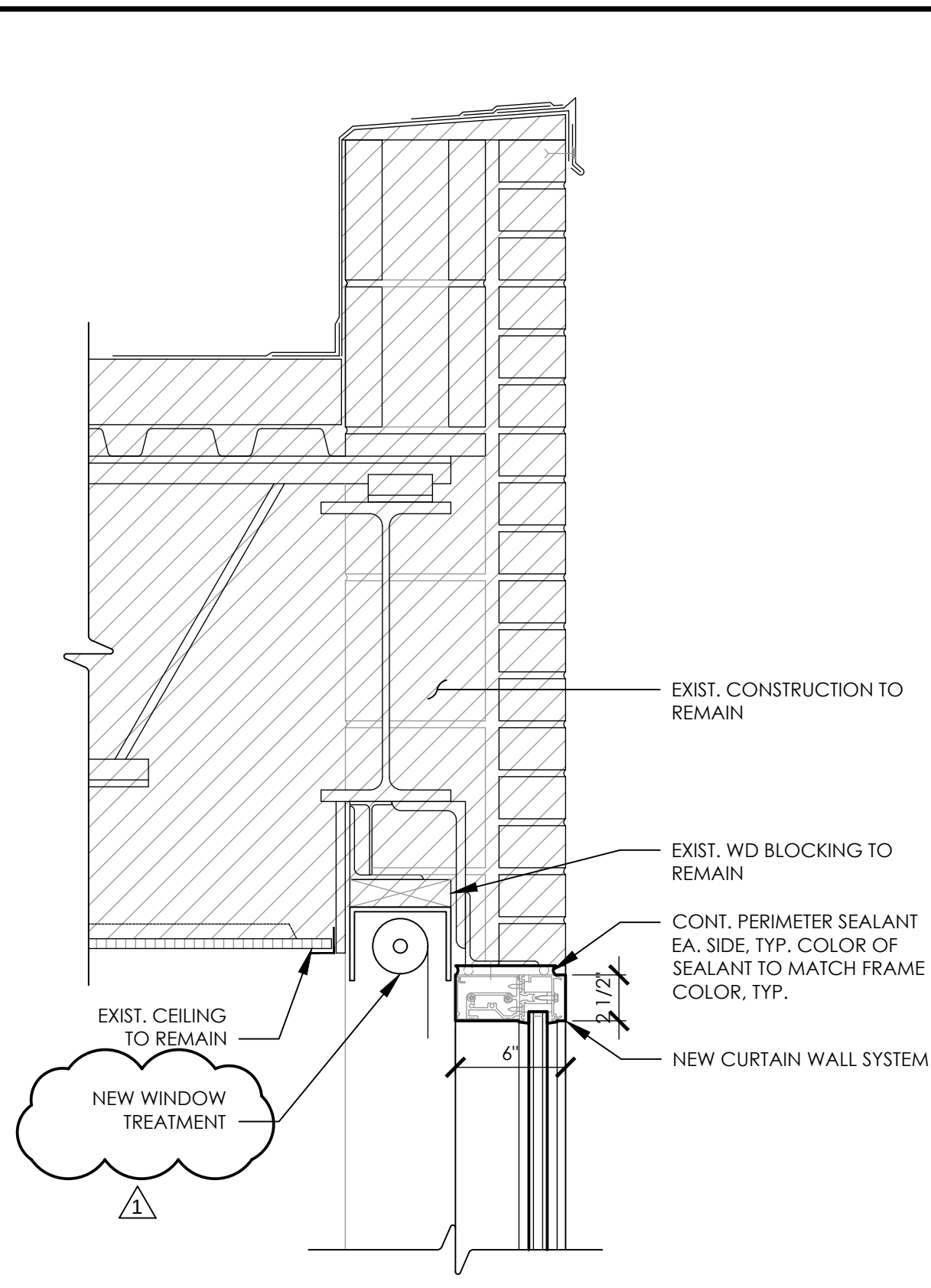
GEN
A801

DRAWING NUMBER

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Date last accessed: 3/4/2021 11:32 AM
Date last plotted: 3/4/2021 11:42 AM
Plotted By: Ryan Goshea



1 WINDOW TYPES
SCALE: 1/4" = 1'-0"



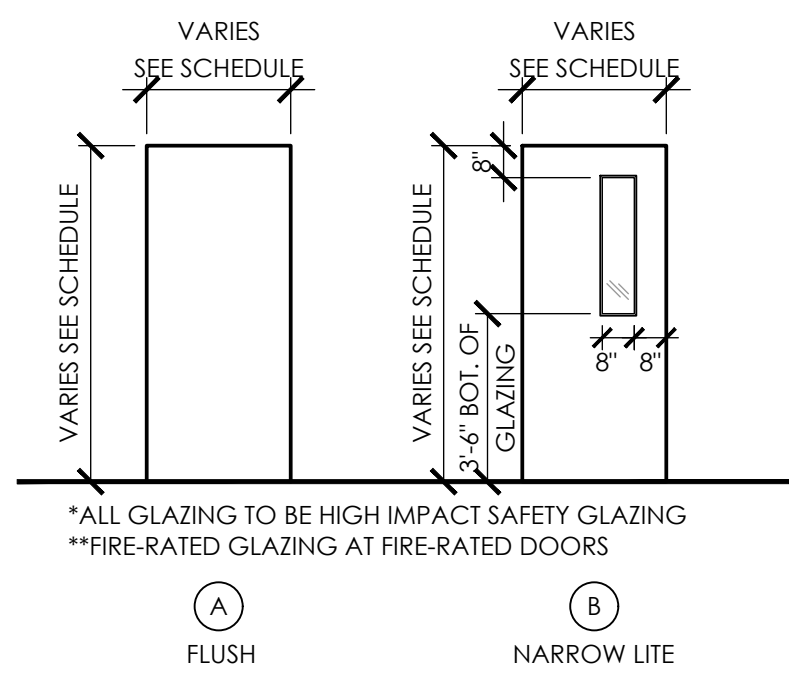
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	1	3/2/2021				BID ADDENDUM NO. 1

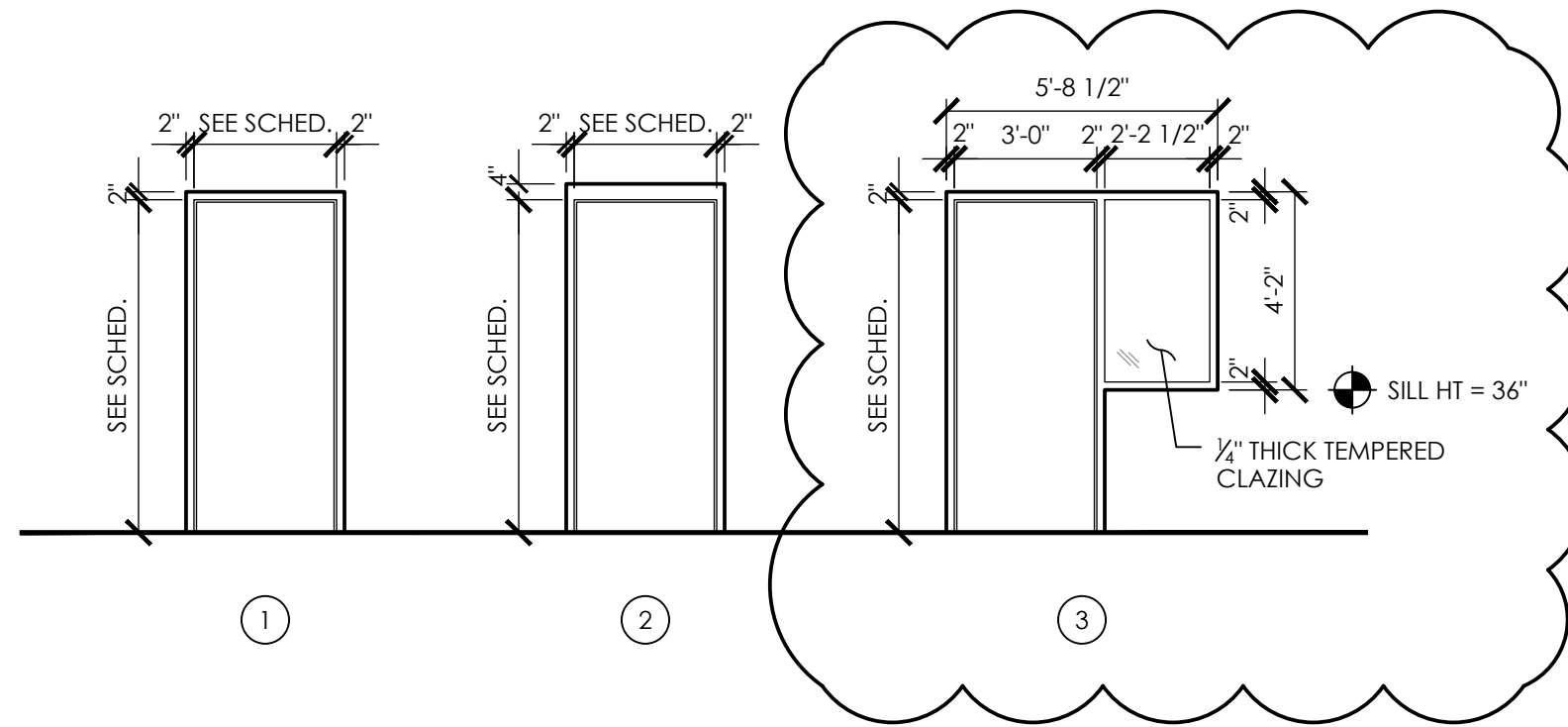
PLEASANTVILLE UFSD
PHASE 2 - 2019 CAPITAL
IMPROVEMENTS PROJECT
60 ROMER AVENUE, PLEASANTVILLE, NY 10570
BEDFORD ROAD SCHOOL SED #66-08-09-03-0-009-005
MIDDLE SCHOOL SED #66-08-09-03-0-003-023
HIGH SCHOOL SED #66-08-09-03-0-001-018

DATE	DRAWN	CHECKED
1/18/21	RG	LT
SCALE AS NOTED		
SHEET TITLE		
WINDOW TYPES & DETAILS		

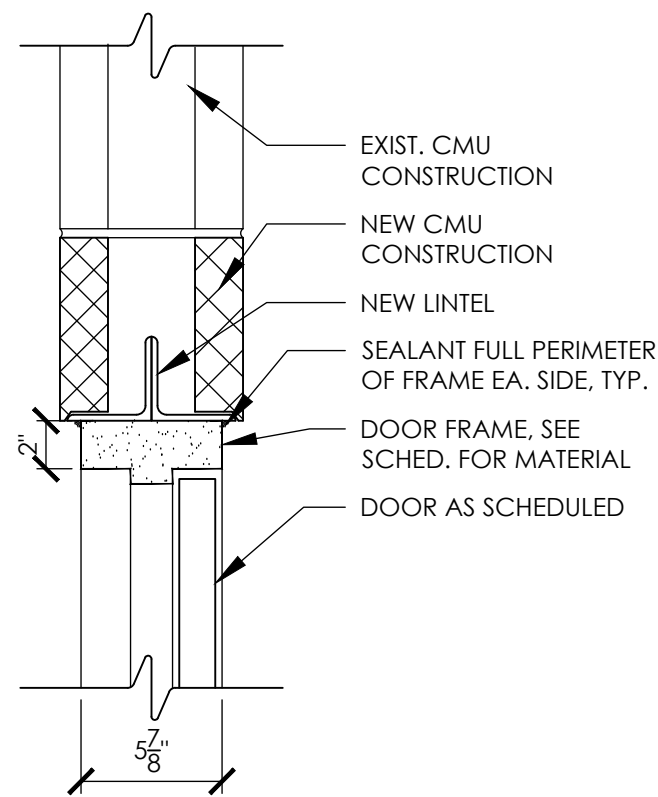
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GEN
A802
DRAWING NUMBER



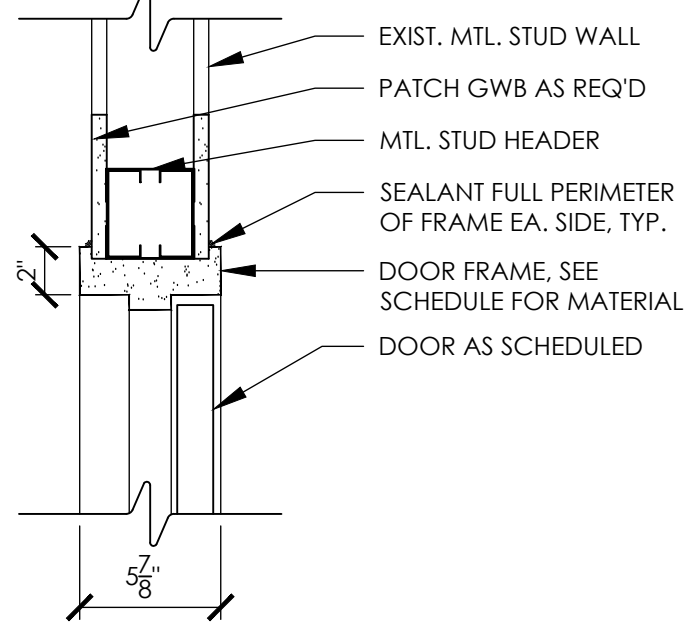
1 DOOR TYPES
A803
SCALE: 1/4" = 1'-0"



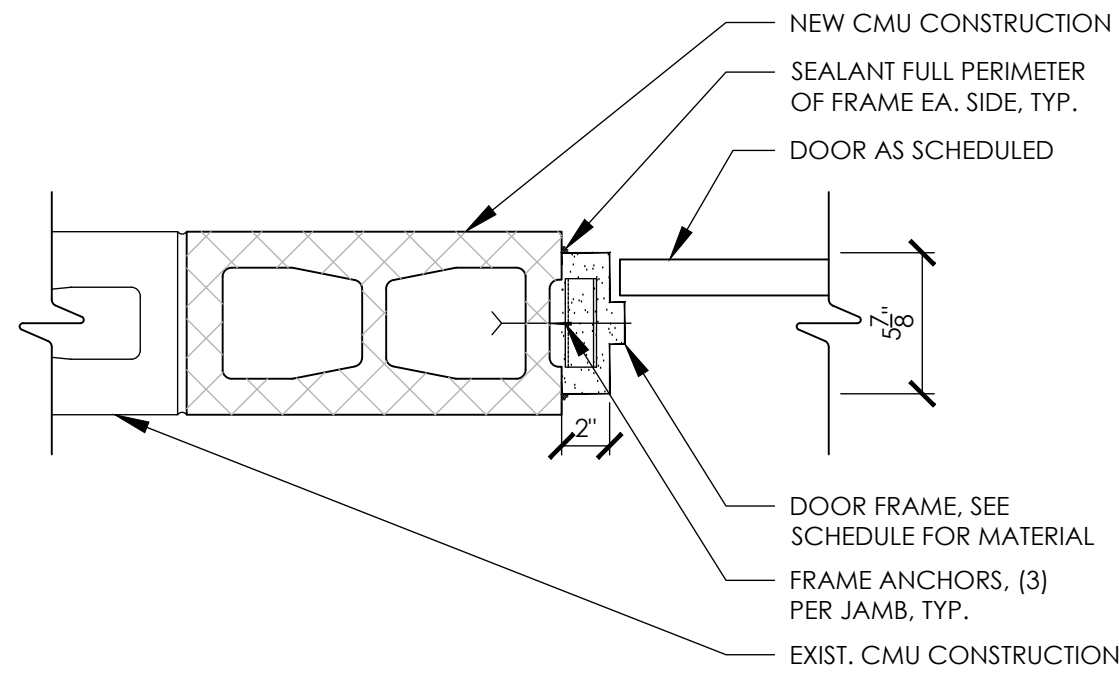
2 DOOR FRAME TYPES
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SCALE: 1/4" = 1'-0"



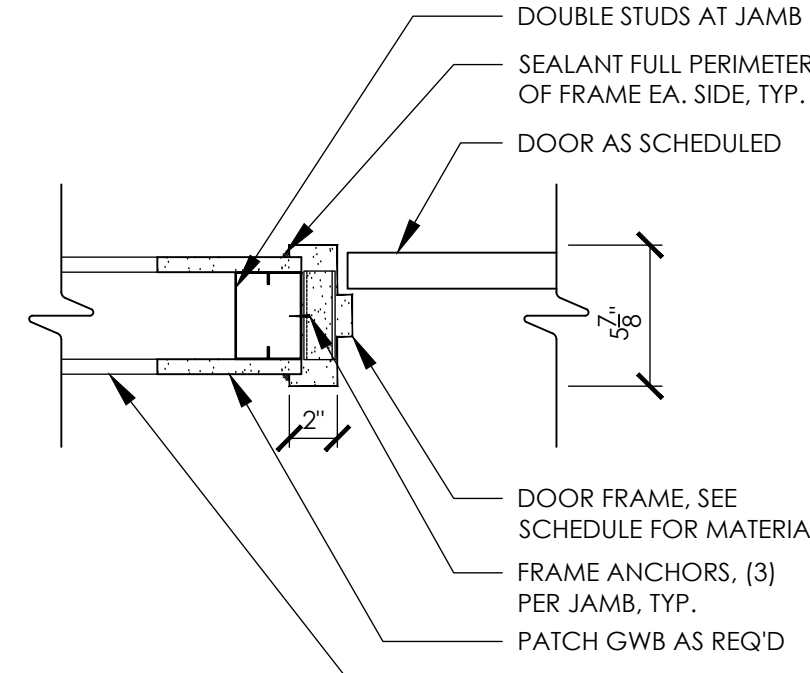
3 HEAD DETAIL AT EXIST. CMU
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SCALE: 1 1/2" = 1'-0"



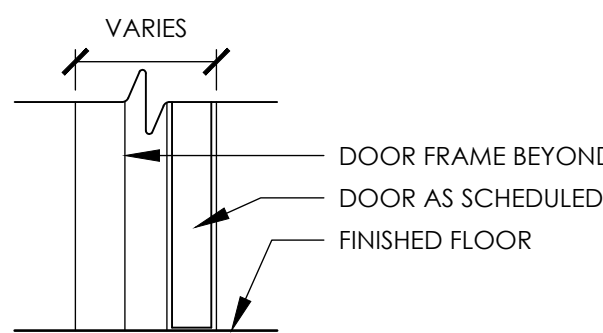
6 HEAD DETAIL AT EXIST. PARTITION
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SCALE: 1 1/2" = 1'-0"



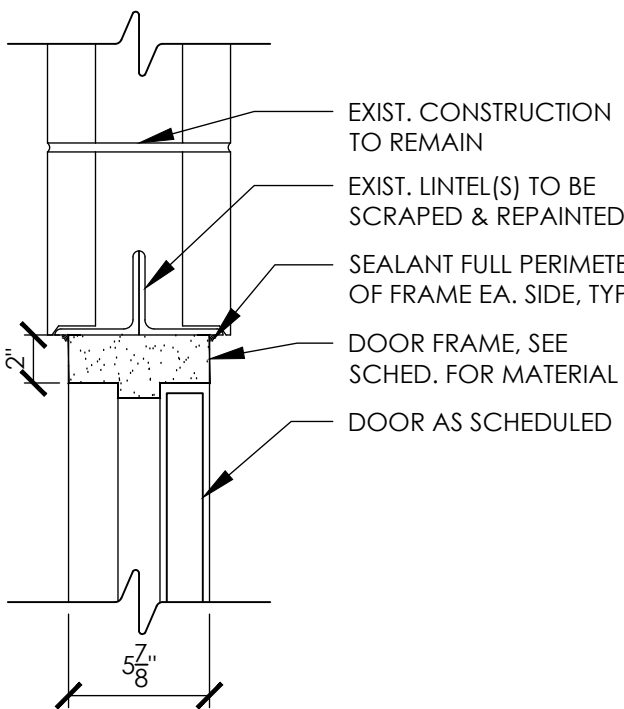
4 JAMB DETAIL AT EXIST. CMU
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SCALE: 1 1/2" = 1'-0"



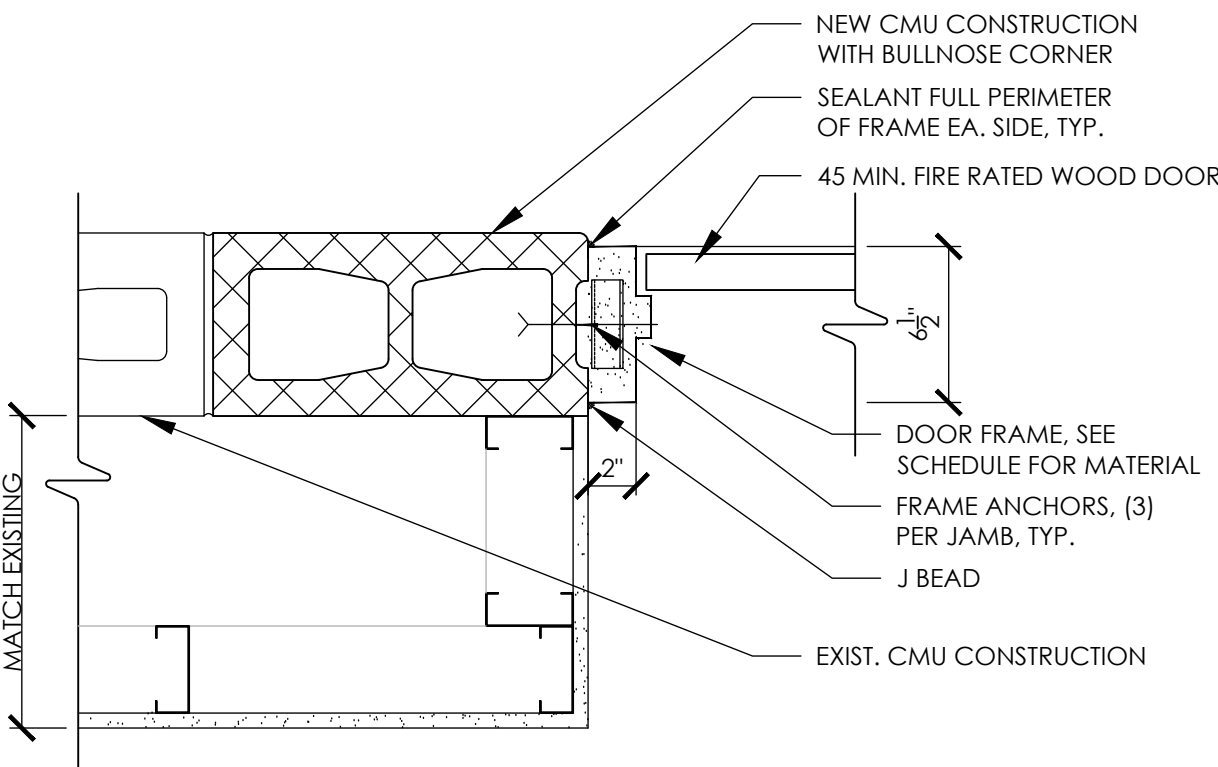
7 JAMB DETAIL AT EXIST. PARTITION
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SCALE: 1 1/2" = 1'-0"



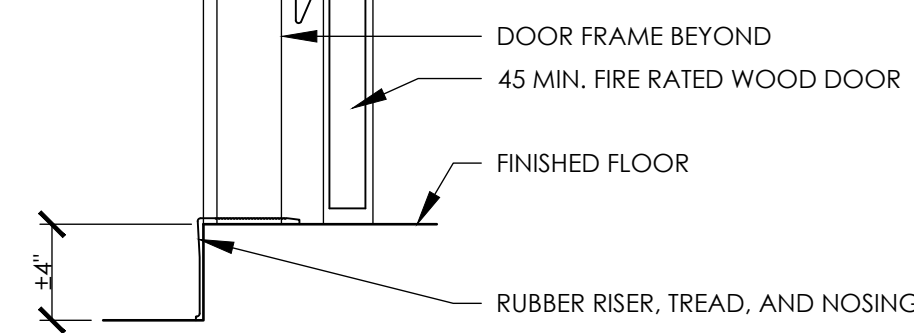
5 TYPICAL SILL DETAIL
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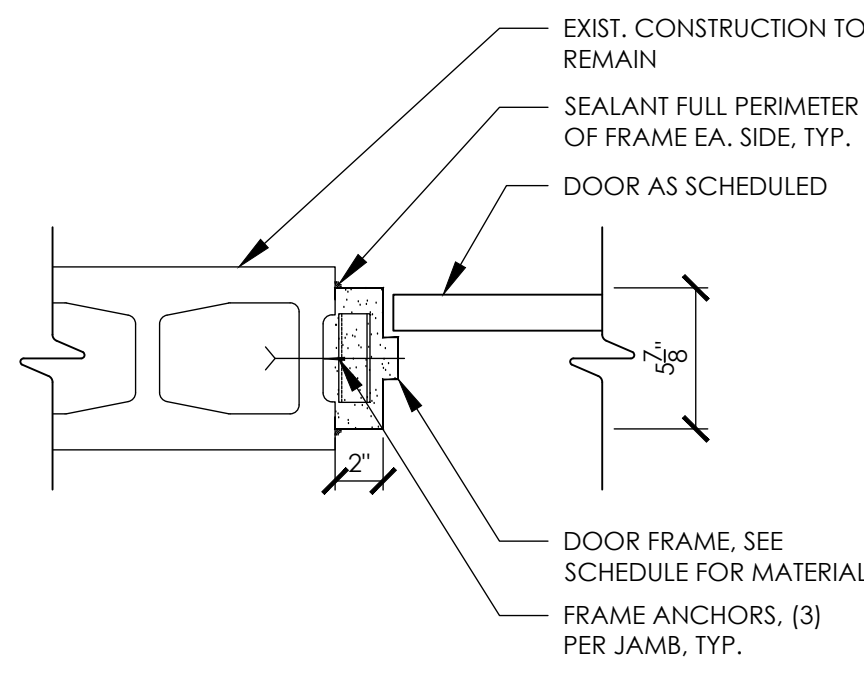
10 HEAD DETAIL AT EXIST. OPENING
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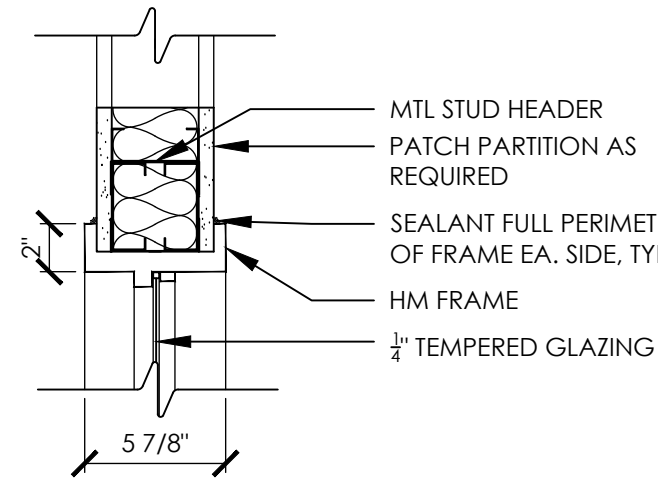
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SCALE: 1 1/2" = 1'-0"



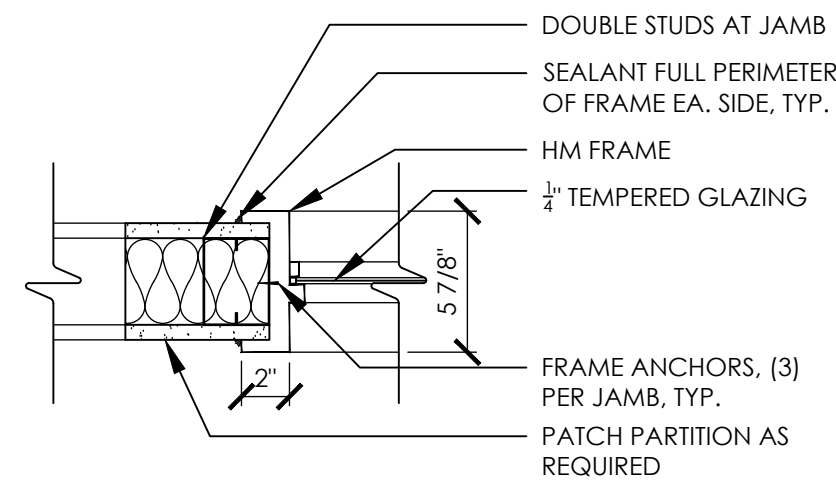
9 SILL DETAIL @ DOOR 2/220
A803
SCALE: 1 1/2" = 1'-0"



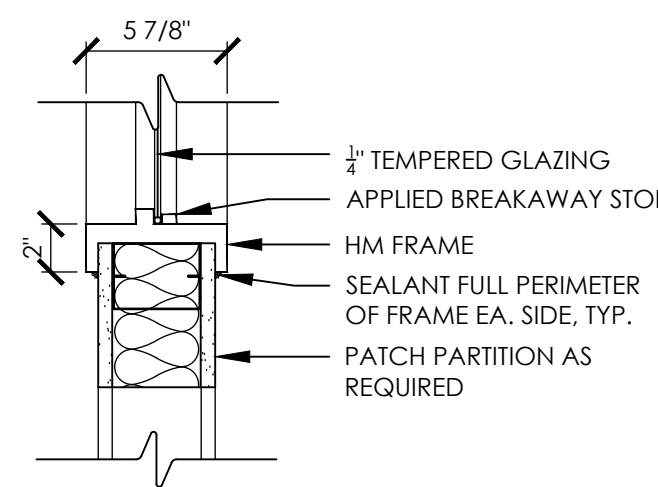
11 JAMB DETAIL AT EXIST. OPENING
A803
SCALE: 1 1/2" = 1'-0"



12 HEAD DETAIL
A803
SCALE: 1/4" = 1'-0"



13 JAMB DETAIL
A803
SCALE: 1/4" = 1'-0"



14 SILL DETAIL
A803
SCALE: 1/4" = 1'-0"

DOOR SCHEDULE																	
DOOR NO.	DOORS						FIRE RATING	FRAMES							HARDWARE SET NO.	REMARKS	
	SIZE			TYPE	MATERIAL / FINISH	UNDERCUT		OVERALL SIZE			TYPE	MATERIAL / FINISH	JAMB DETAIL	HEAD DETAIL			SILL DETAIL
	WIDTH	HEIGHT	TH.					WIDTH	HEIGHT	DEPTH							
BEDFORD ROAD SCHOOL																	
1-317B	3'-0"	7'-0"	1 3/4"	B	WD/ST	-	-	SEE ELEVATION			3	HM/PT	7 & 13/GEN-A803 6 & 12/GEN-A803		5 & 14/GEN-A803	SEE SPEC.	-
PLEASANTVILLE MIDDLE SCHOOL																	
1-139	3'-0"	7'-0"	1 3/4"	B	WD/ST	-	45 MIN.	3'-4"	7'-2"	5 7/8"	1	HM/PT	11/GEN-A803	10/GEN-A803	5/GEN-A803	SEE SPEC.	-
1-144	3'-0"	7'-0"	1 3/4"	A	WD/ST	-	45 MIN.	3'-4"	7'-4"	5 7/8"	2	HM/PT	4/GEN-A803	3/GEN-A803	5/GEN-A803	SEE SPEC.	-
1-144A	3'-0"	7'-0"	1 3/4"	A	WD/ST	-	45 MIN.	3'-4"	7'-2"	5 7/8"	1	HM/PT	11/GEN-A803	10/GEN-A803	5/GEN-A803	SEE SPEC.	-
1-145	3'-0"	7'-0"	1 3/4"	A	WD/ST	-	45 MIN.	3'-4"	7'-4"	5 7/8"	2	HM/PT	4/GEN-A803	3/GEN-A803	5/GEN-A803	SEE SPEC.	-
1-145A	3'-0"	7'-0"	1 3/4"	B	WD/ST	-	45 MIN.	3'-4"	7'-2"	5 7/8"	1	HM/PT	11/GEN-A803	10/GEN-A803	5/GEN-A803	SEE SPEC.	-
1-147A	3'-0"	7'-0"	1 3/4"	B	WD/ST	-	45 MIN.	3'-4"	7'-2"	5 7/8"	1	HM/PT	7/GEN-A803	6/GEN-A803	5/GEN-A803	SEE SPEC.	-
1-148	3'-0"	7'-0"	1 3/4"	A	WD/ST	-	45 MIN.	3'-4"	7'-2"	5 7/8"	1	HM/PT	7/GEN-A803	6/GEN-A803	5/GEN-A803	SEE SPEC.	-
1-220	3'-0"	7'-0"	1 3/4"	B	WD/ST	-	45 MIN.	3'-4"	7'-2"	5 7/8"	1	HM/PT	4 + 8/GEN-A803 3/GEN-A803		9/GEN-A803	SEE SPEC.	AS BID ALTERNATE GC-1

LOOSE LINTEL SCHEDULE		
WALL TYPE	SPAN	LINTEL
4" MASONRY / VENEER	1'-4" to 4'-6"	L 4 x 3 1/2 x 5/16 (L.L.V.)
	4'-7" to 5'-6"	L 4 x 3 1/2 x 5/16 (L.L.V.)
	5'-7" to 6'-6"	L 5 x 3 1/2 x 5/16 (L.L.V.)
	6'-7" to 7'-6"	L 6 x 3 1/2 x 5/16 (L.L.V.)
6" BLOCK	1'-4" to 4'-6"	WT 4 x 9
	4'-7" to 5'-6"	WT 4 x 10.5
	5'-7" to 6'-6"	WT 5 x 13
	6'-7" to 7'-6"	WT 5 x 13
8" BLOCK	1'-4" to 4'-6"	WT 8 x 9
	4'-7" to 5'-6"	WT 8 x 10.5
	5'-7" to 6'-6"	WT 8 x 13
	6'-7" to 7'-6"	WT 8 x 13
4" BRICK & 8" BLOCK OR 12" BLOCK	1'-4" to 4'-6"	(2) - L 4 x 3 1/2 x 5/16 (L.L.V.)
	4'-7" to 5'-6"	(2) - L 4 x 3 1/2 x 5/16 (L.L.V.)
	5'-7" to 6'-6"	(2) - L 5 x 3 1/2 x 5/16 (L.L.V.)
	6'-7" to 7'-6"	(2) - L 6 x 3 1/2 x 5/16 (L.L.V.)
4" BRICK & 8" BLOCK OR 12" BLOCK	1'-4" to 4'-6"	(3) - L 4 x 3 1/2 x 5/16 (L.L.V.)
	4'-7" to 5'-6"	(3) - L 4 x 3 1/2 x 5/16 (L.L.V.)
	5'-7" to 6'-6"	(3) - L 5 x 3 1/2 x 5/16 (L.L.V.)
	6'-7" to 7'-6"	(3) - L 6 x 3 1/2 x 5/16 (L.L.V.)
1. PROVIDE LOOSE LINTELS OVER ALL OPENINGS IN EXTERIOR AND INTERIOR MASONRY WALLS AS SCHEDULED UNLESS OTHERWISE INDICATED ON THE DRAWINGS.		
2. MINIMUM BEARING FOR ALL LINTELS SHALL BE 8" EACH END.		
3. BLOCK WALLS SHALL BE GROUTED SOLID 3 COURSES BELOW BEARING POINT FOR A WIDTH OF 16" UNLESS NOTED OTHERWISE ON STRUCTURAL FRAMING PLANS.		
4. SEE ARCH., HVAC, & PLUMBING DRAWINGS FOR SIZE AND LOCATION OF ALL WALL OPENINGS.		
5. CONTRACTOR SHALL PROVIDE AN ADDITIONAL 50 FT. OF ANGLE 5 x 3 1/2 x 5/16 OR THE EQUIVALENT.		
6. FOR LINTEL SPANS GRATER THAN 6'-0", BOLT ASSEMBLIES TOGETHER AT 1/3 POINTS.		
7. WHERE LINTELS REQUIRE 3 ANGLES, PROVIDE A 3/16" PLATE EQUAL TO WALL WIDTH ACROSS SPAN, ATTACHED TO BOTTOM OF THE LINTEL.		



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	1	3/2/2021	RG	BID ADDENDUM NO. 1

PLEASANTVILLE UFSD
PHASE 2 - 2019 CAPITAL
IMPROVEMENTS PROJECT
60 ROMER AVENUE, PLEASANTVILLE, NY 10570
BEDFORD ROAD SCHOOL SED #66-08-09-03-000-005
MIDDLE SCHOOL SED #66-08-09-03-003-023
HIGH SCHOOL SED #66-08-09-03-001-018

DATE	DRAWN	CHECKED
1/18/21	RG	LT

SCALE: AS NOTED

SHEET TITLE: DOOR SCHEDULE, DOOR TYPES & DOOR DETAILS

PROJECT NUMBER: 15131.01

GEN A803

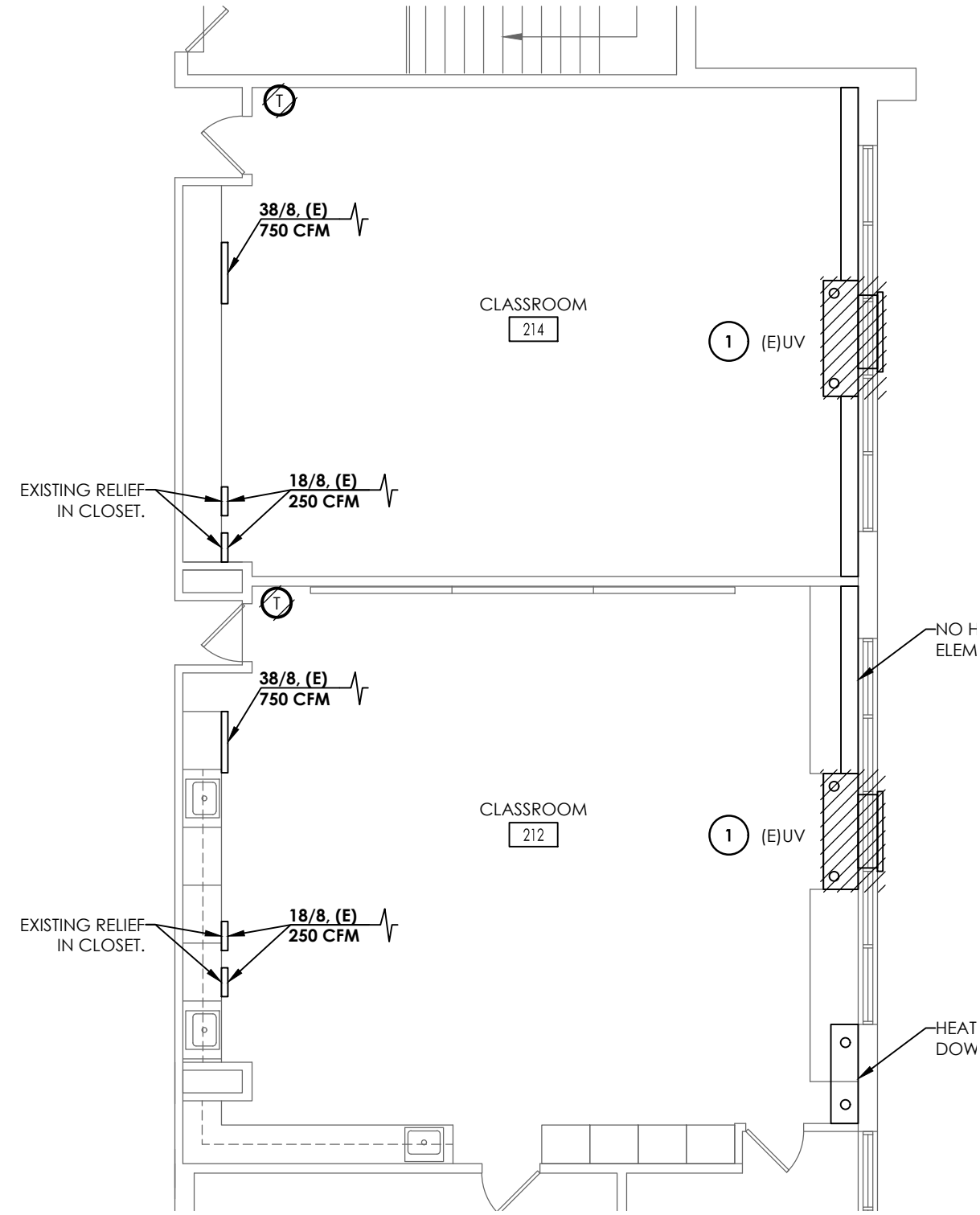
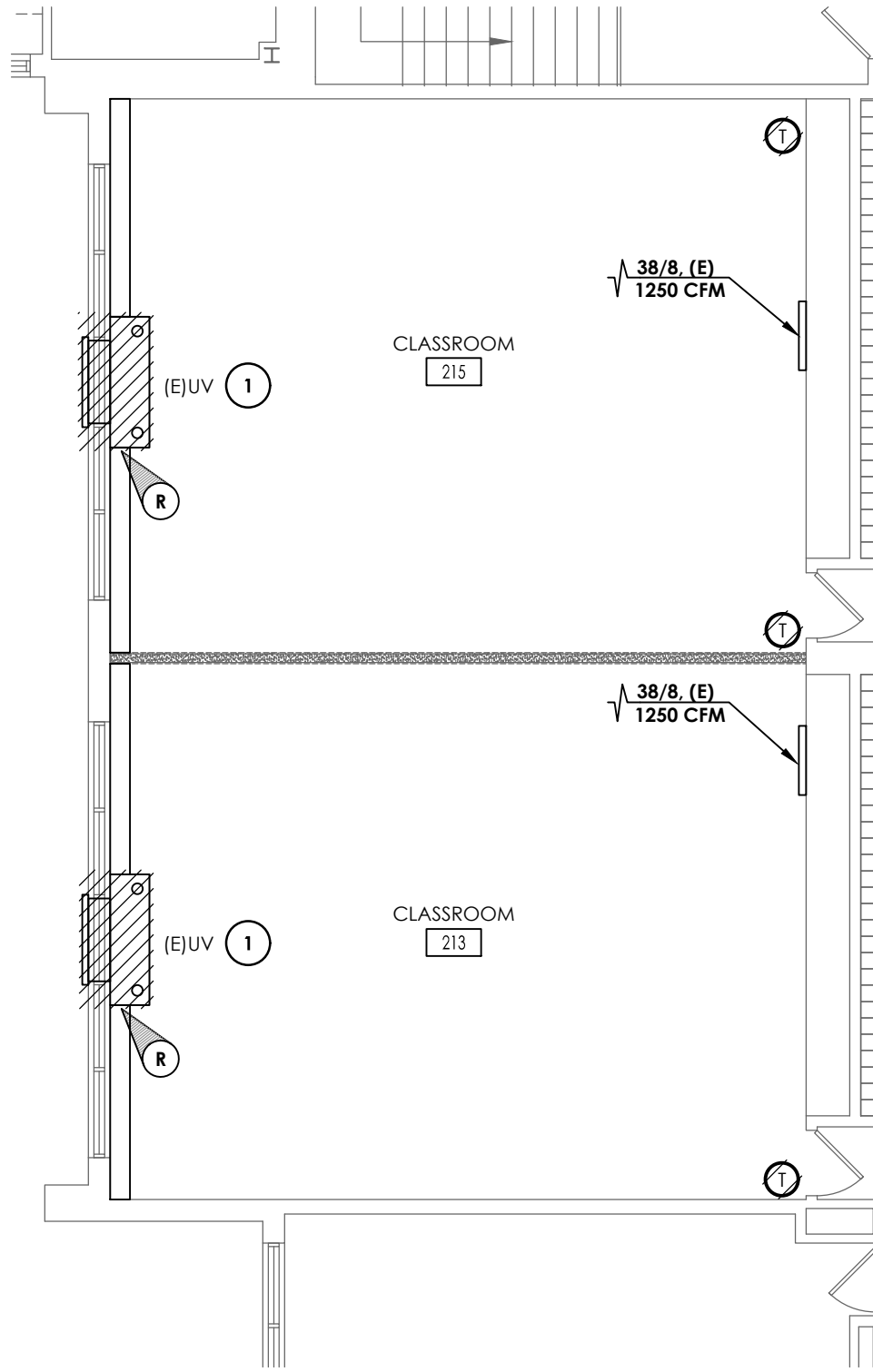
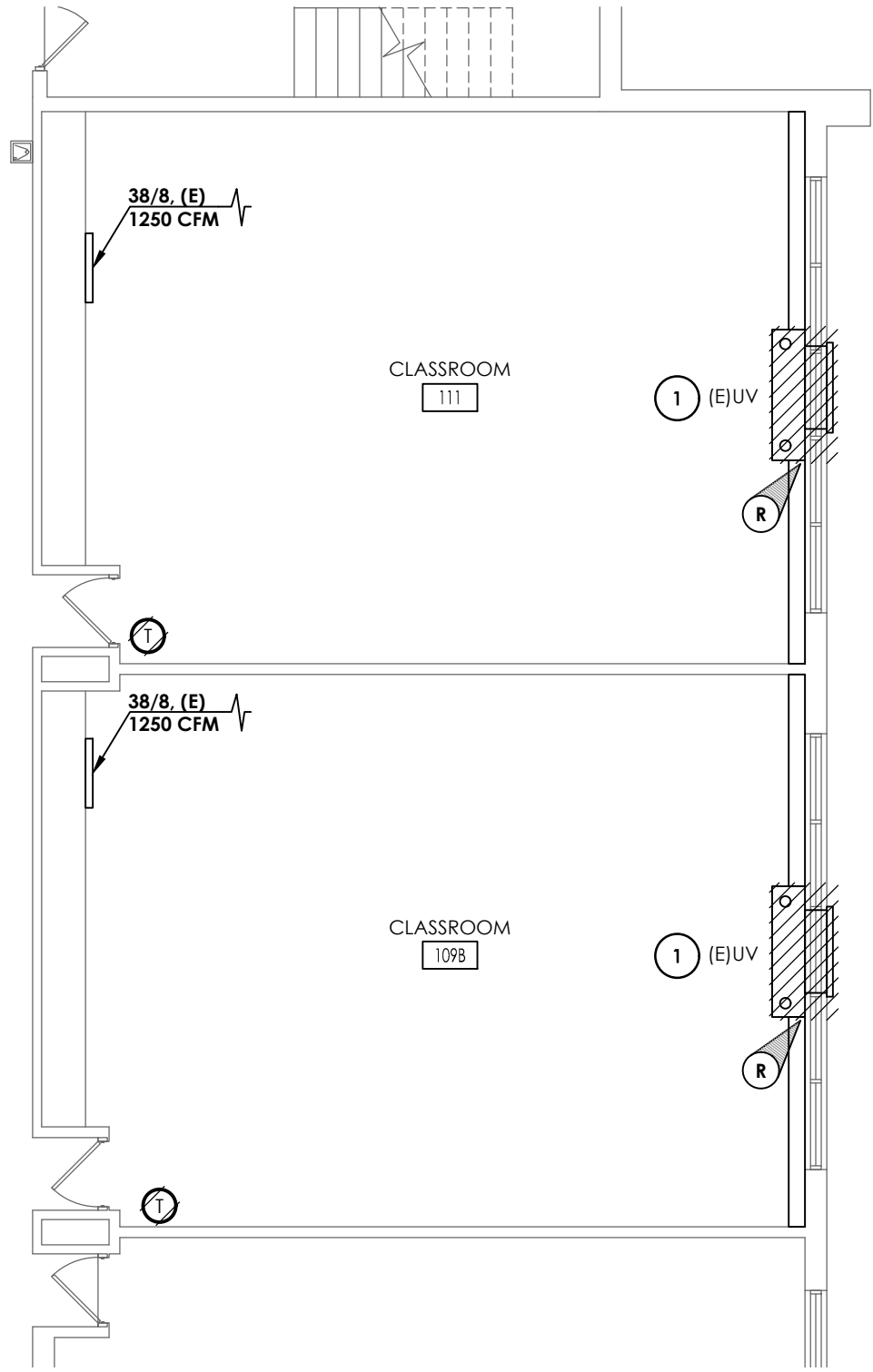
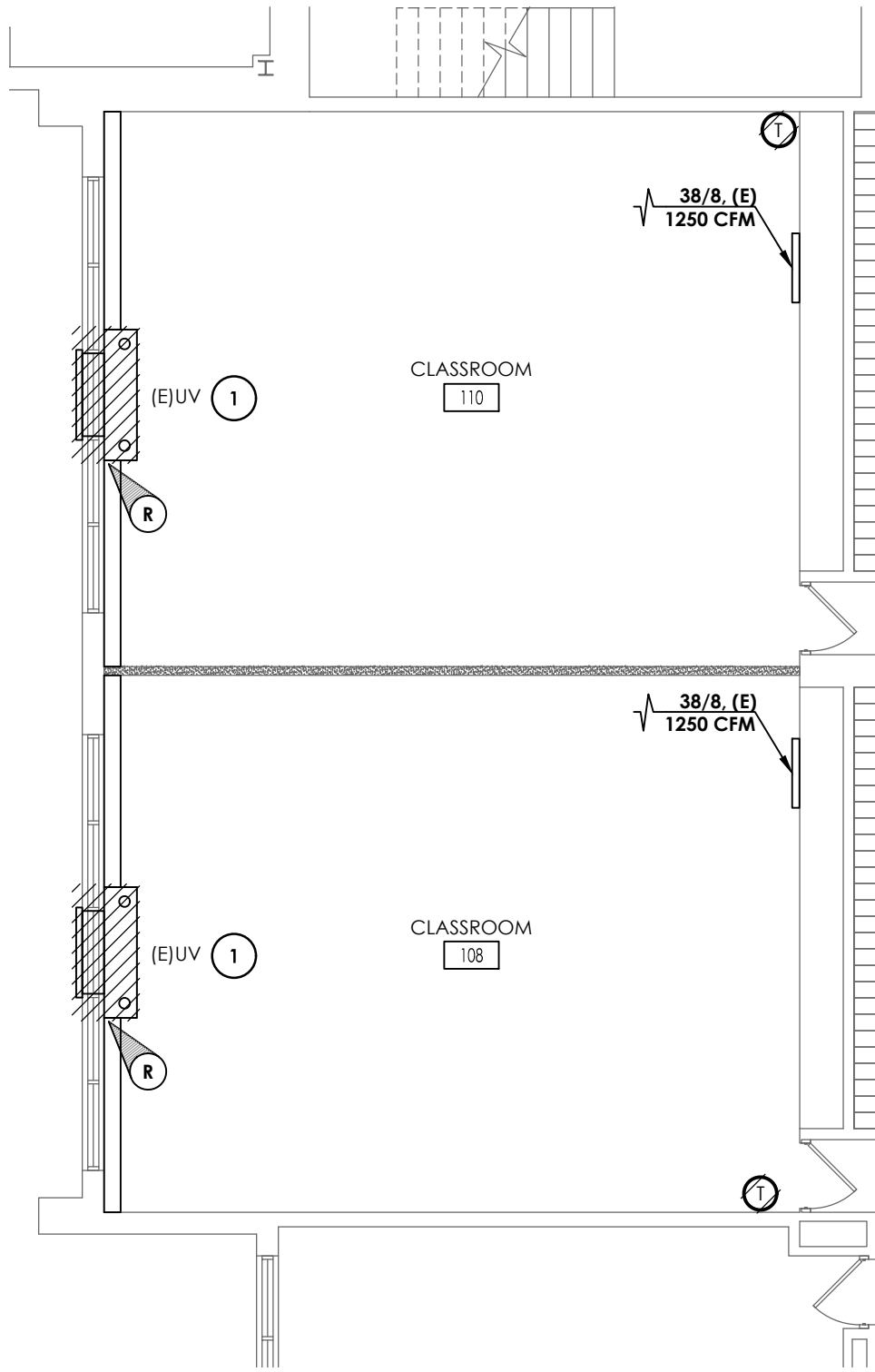
DRAWING NUMBER

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Date last accessed: 3/5/2021 9:10 AM

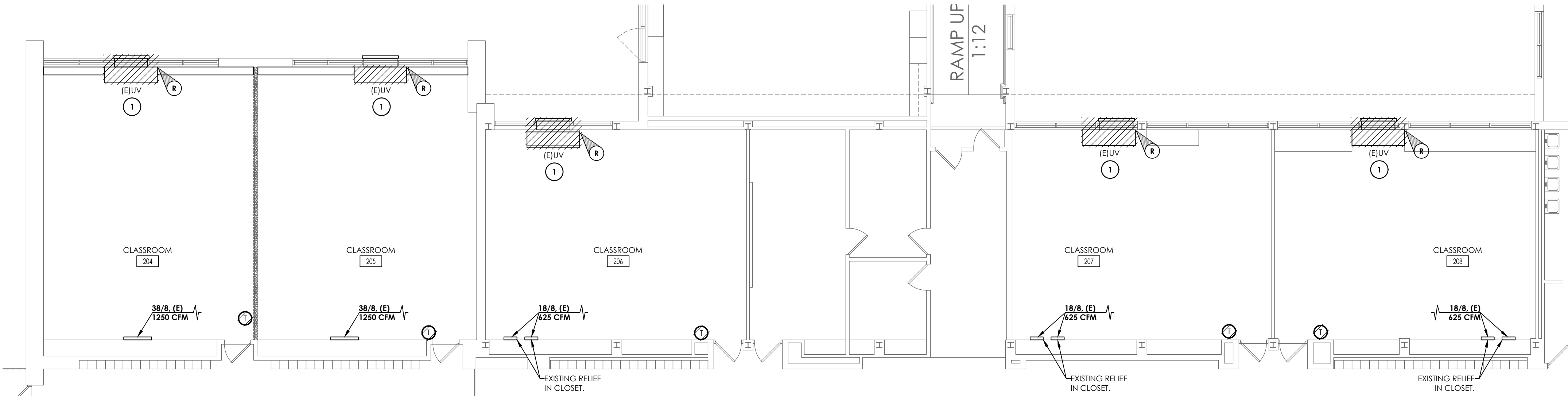
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Plotted By: Nick Hens

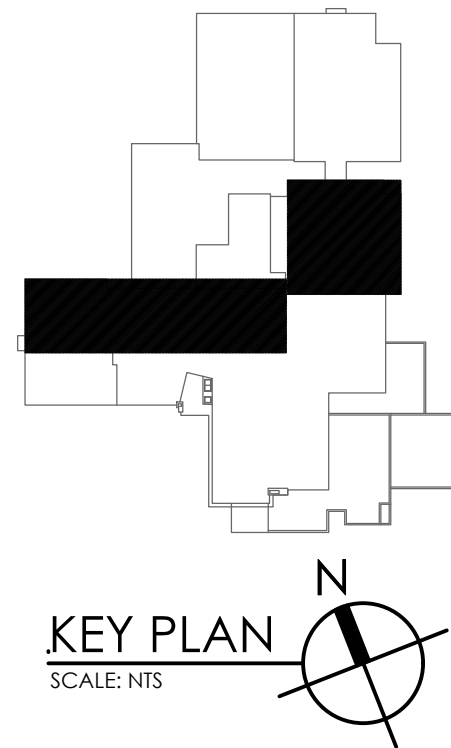


1 FIRST FLOOR HVAC DEMOLITION PLAN
H101 SCALE: 1/8" = 1'-0"

2 SECOND FLOOR HVAC DEMOLITION PLAN
H101 SCALE: 1/8" = 1'-0"



3 SECOND FLOOR HVAC DEMOLITION PLAN
H101 SCALE: 1/8" = 1'-0"



KEY NOTES:

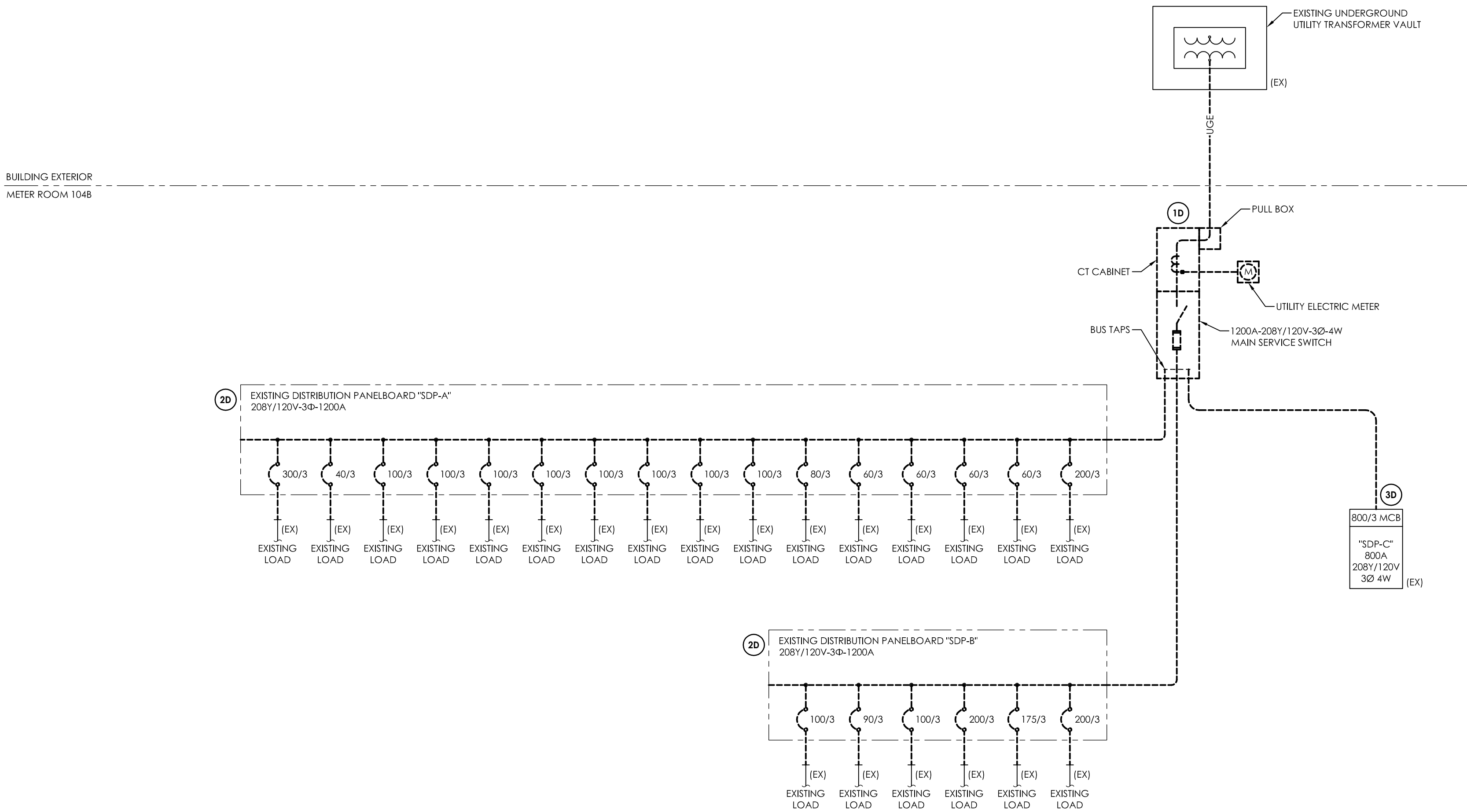
- 1 REMOVE EXISTING UNIT VENTILATOR, LOUVER AND PIPING BACK TO FLOOR BELOW. PREPARE FOR NEW UNIT. DISCONNECT FINNED-TUBE ON EACH SIDE, CUT ENCLOSURE AND PIPING BACK TO ACCOMMODATE NEW UNIT VENTILATOR. REMOVE PNEUMATIC CONTROLS IN ITS ENTIRETY. PROVIDE TEMPORARY OUTDOOR AIR BLANK OFF. SEAL WEATHER TIGHT.

REVISIONS	NO.	DATE	BY	DESCRIPTION
	1	3/22/2021		BID ADDENDUM NO. 1

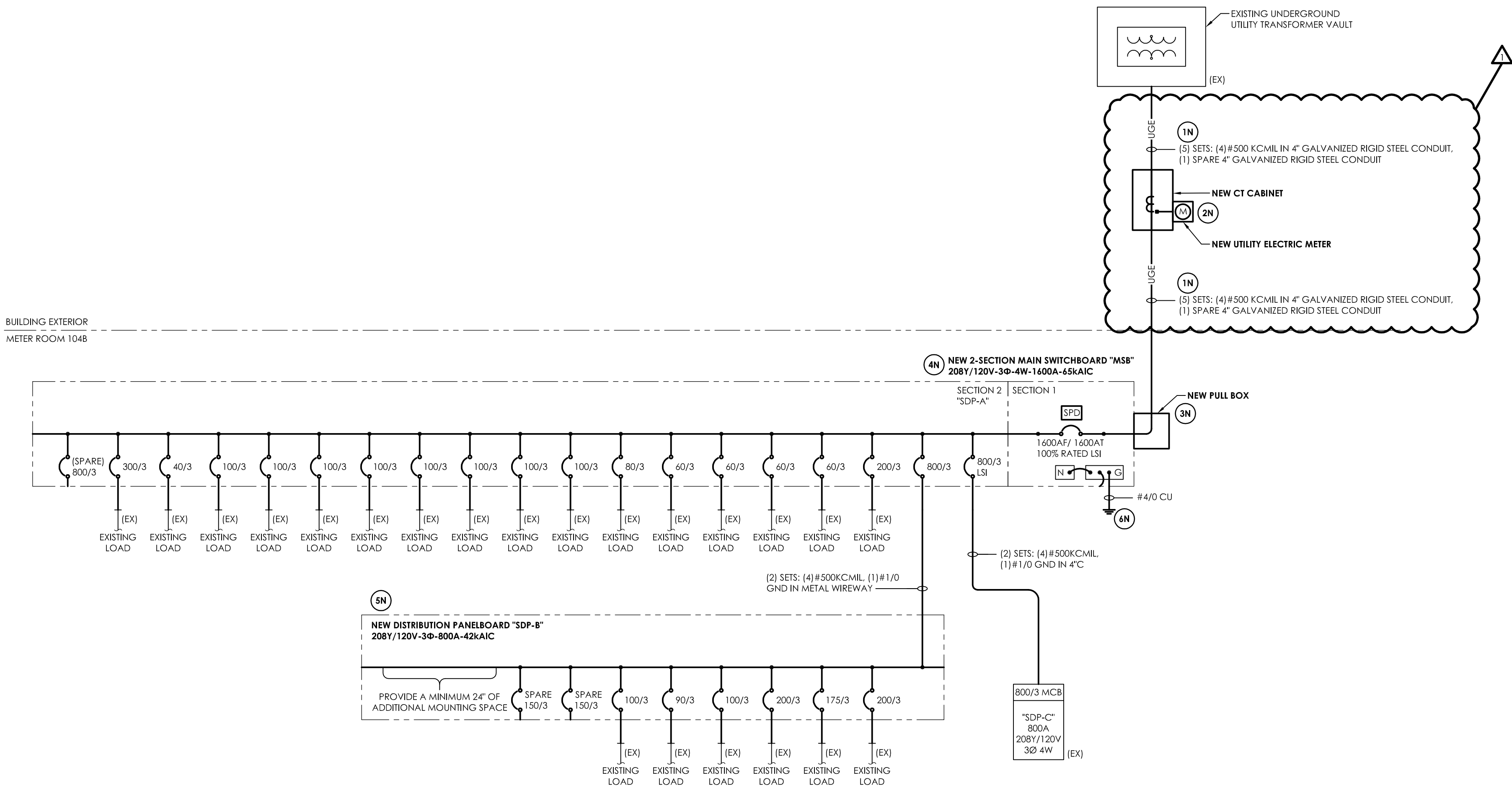
PLEASANTVILLE UFSD
PHASE 2 - 2019 CAPITAL
IMPROVEMENTS PROJECT
60 ROMER AVENUE, PLEASANTVILLE, NY 10570
BEDFORD ROAD SCHOOL SED #66-08-09-03-0-009-005
MIDDLE SCHOOL SED #66-08-09-03-0-003-023
HIGH SCHOOL SED #66-08-09-03-0-001-018

DATE	1/18/21	DRAWN	NRH	CHECKED	JJM
SCALE	AS SHOWN				
SHEET TITLE	FIRST FLOOR HVAC DEMOLITION PLAN ALT-MC-01				

PROJECT NUMBER	15131.01
PMS H101	
DRAWING NUMBER	



1
E001
ONE LINE DIAGRAM (DEMOLITION)
N.T.S.



2
E001
ONE LINE DIAGRAM (NEW WORK)
N.T.S.

GENERAL NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR ALL CON EDISON SERVICE RELATED CHARGES AND FOR COORDINATING ALL WORK THROUGH CON EDISON PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL COORDINATE ALL EQUIPMENT SHUTDOWNS IN FIELD WITH OWNER. OWNER SHALL BE GIVEN A MINIMUM OF 2 WEEKS NOTICE PRIOR TO ANY SHUTDOWNS.
- NEW ELECTRICAL SERVICE INSTALLATION SHALL BE IN COMPLIANCE WITH LATEST EDITION OF CON EDISON SPECIFICATION FOR ELECTRICAL INSTALLATIONS.
- EQUIPMENT AND FEEDERS LABELED AS "EX" ARE EXISTING TO REMAIN.
- NOTIFY OWNER AND ENGINEER IF ANY EXISTING FEEDER CONDUCTORS ARE UNDERSIZED FOR BREAKER RATING PER NEC.
- ALL SWITCHBOARDS AND PANELBOARDS SHALL HAVE UPDATED TYPED CIRCUIT DIRECTORIES FOR NEW AND EXISTING LOADS SERVED. CIRCUITS SHALL BE FIELD TRACED TO UPDATE DIRECTORY AND VERIFY LOADS. PLACE ALL EXISTING AND NEWLY SPARED BREAKERS IN THE 'OFF' POSITION AND LABEL AS 'SPARE'.

DEMOLITION KEY NOTES:

- DISCONNECT AND REMOVE EXISTING MAIN SERVICE SWITCH WITH CT CABINET, ASSOCIATED ELECTRIC METER BOX AND PULL BOX. REMOVE EXISTING SECONDARY CONDUCTORS AND CONDUIT BACK TO UTILITY TRANSFORMER VAULT.
- REMOVE EXISTING DISTRIBUTION PANELBOARD AND EXISTING LINE SIDE FEEDER. EXISTING ACTIVE LOAD SIDE FEEDERS SHALL REMAIN TO SERVE EXISTING ELECTRICAL EQUIPMENT. REMOVE EXISTING ACTIVE FEEDER CONDUCTORS AND ASSOCIATED RACEWAY BACK TO A CONVENIENT LOCATION FROM EXISTING DISTRIBUTION PANELBOARD TO PANEL REMOVAL AND NEW PANEL INSTALLATION. REMOVE ANY ABANDONED WIRING, RACEWAYS, BOXES, ETC. FOUND DURING DEMOLITION IN ROOM.
- REMOVE EXISTING LINE SIDE FEEDER TO DISTRIBUTION PANELBOARD, PANELBOARD SHALL REMAIN.

NEW WORK KEY NOTES:

- PROVIDE NEW UNDERGROUND SECONDARY FEEDERS AS INDICATED. CONDUITS ARE REQUIRED TO BE NON-PVC PER CON EDISON SPECIFICATIONS. PROVIDE ADDITIONAL (1)4" SPARE CONDUIT WITH ACTIVE SETS. COORDINATE FINAL TERMINATIONS IN UNDERGROUND TRANSFORMER VAULT WITH UTILITY.
- PROVIDE EXTERIOR RATED, NEMA 3R, CT CABINET AND ELECTRIC METER SOCKET PER UTILITY STANDARDS. PROVIDE 1" CONDUIT BETWEEN CT CABINET AND METER. COORDINATE LOCATION OF CT CABINET AND ELECTRIC METER WITH UTILITY PRIOR TO START OF CONSTRUCTION. LOCATE WITHIN VAULT IF POSSIBLE, OTHERWISE LOCATE ON EXTERIOR OF BUILDING.
- PROVIDE NEW 32"X32"X28" NEMA 1 PULLBOX AT LOCATION OF DEMOLISHED PULL BOX.
- PROVIDE NEW SWITCHBOARD, SQUARE D QED2 OR APPROVED EQUIVALENT. PROVIDE CIRCUIT BREAKERS AS INDICATED. SPLICE AND EXTEND EXISTING FEEDERS FROM PREVIOUS DISTRIBUTION PANELBOARD "SDP-A" TO NEW BREAKERS WITH EQUAL SIZE CONDUCTORS AS REQUIRED.
- PROVIDE NEW DISTRIBUTION PANELBOARD, SQUARE D I-LINE OR EQUIVALENT. PROVIDE CIRCUIT BREAKERS AS INDICATED AND A MINIMUM OF 24" ADDITIONAL BREAKER MOUNTING SPACE. SPLICE AND EXTEND EXISTING FEEDERS FROM PREVIOUS DISTRIBUTION PANELBOARD "SDP-B" TO NEW BREAKERS WITH EQUAL SIZE CONDUCTORS AS REQUIRED.
- PROVIDE SERVICE GROUNDING AND BONDING PER NEC 250 TO EXISTING BUILDING GROUNDING SYSTEM.

TEMPORARY POWER REQUIREMENTS:

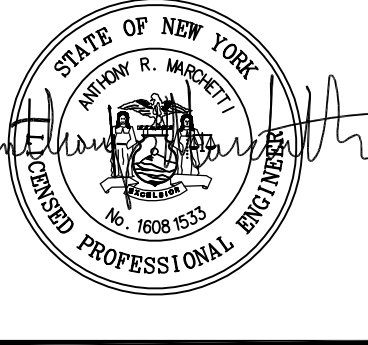
THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY POWER DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE A MINIMUM 100KW TEMPORARY MOBILE DIESEL GENERATOR UNIT TO SERVE BUILDING ITEMS SUCH AS KITCHEN COOLERS AND FREEZERS, MINIMAL LIGHTS TO MAINTAIN EGRESS LIGHTING WHILE BUILDING IS OCCUPIED, FIRE ALARM, MAIN OFFICE RECEPTACLES AND LIGHTING, DATA CLOSETS, AND SPECIFIC ITEMS AT REQUEST OF THE OWNER. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY CABLING, TEMPORARY PANELBOARD(S), FUEL COSTS, ETC. FOR A COMPLETE TEMPORARY SYSTEM. TEMPORARY POWER SHALL BE COORDINATED WITH OWNER PRIOR TO DE-ENERGIZING OF EXISTING SERVICE.



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	1	03/03/21	JAE	ARM	BID ADDENDUM NO. 1



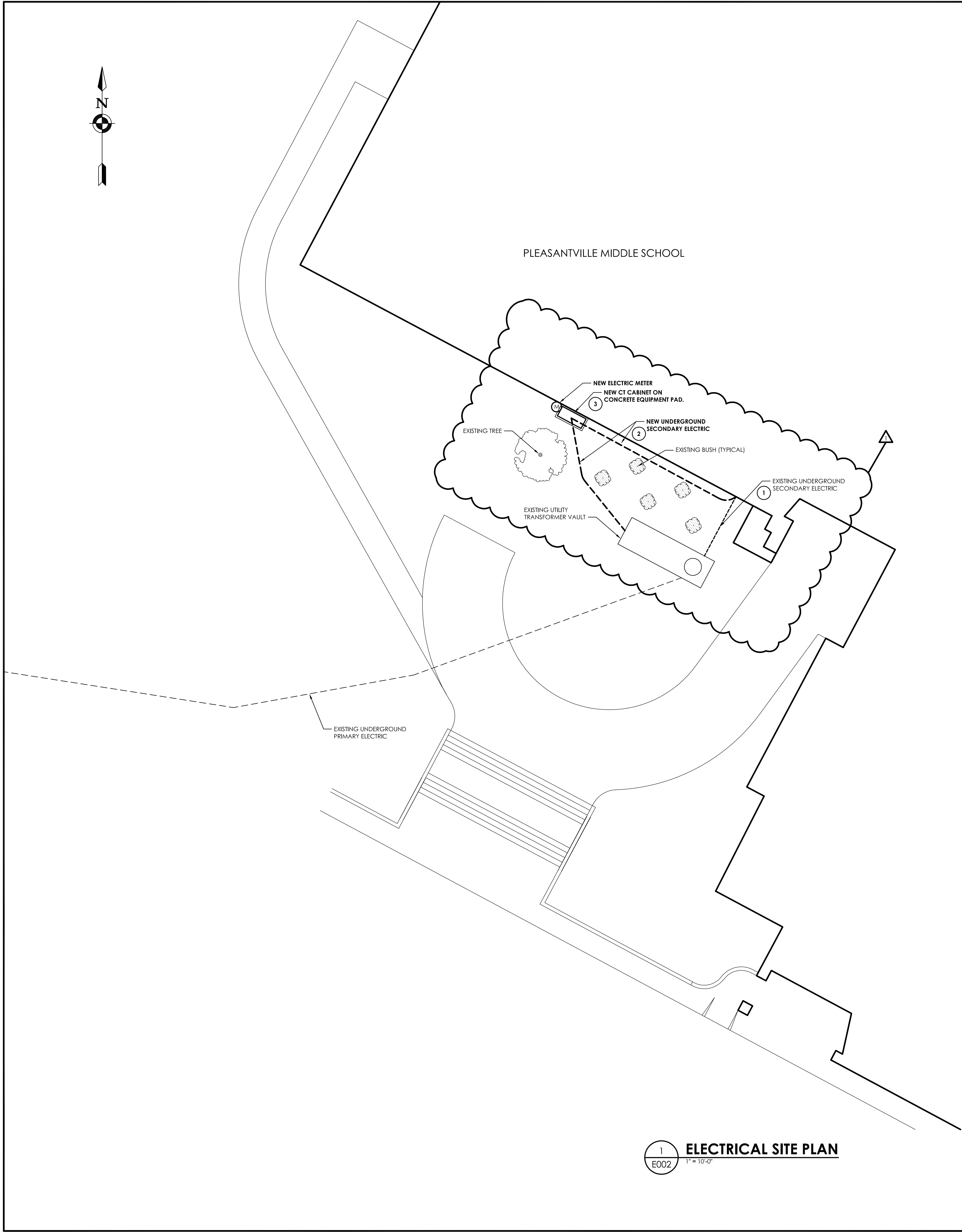
PLEASANTVILLE UFSD
PHASE 2 - 2019 CAPITAL
IMPROVEMENTS PROJECT

60 ROMER AVENUE, PLEASANTVILLE, NY 10570
BEDFORD ROAD SCHOOL, SED # 66-08-09-03-0-009-005
MIDDLE SCHOOL, SED # 66-08-09-03-0-003-023
HIGH SCHOOL, SED # 66-08-09-03-0-001-018

DATE	DRAWN	CHECKED
1/18/21	JAE	ARM
SCALE	NOT TO SCALE	
SHEET TITLE	ELECTRICAL ONE-LINE DIAGRAMS (DEMOLITION & NEW WORK)	

PROJECT NUMBER
15131.01
PMS E001
DRAWING NUMBER

Drawing Name: \\Clarkpatterson.local\dfs\Projects\Pleasantville UFSD\2019 Bond\Drawings\Phase 2\AutoCAD\ELEC\E0\PMS-E002.dwg Date last accessed: 3/4/2021 2:54 PM Date last plotted: 3/4/2021 2:59 PM Plotted By: Josh Etbland

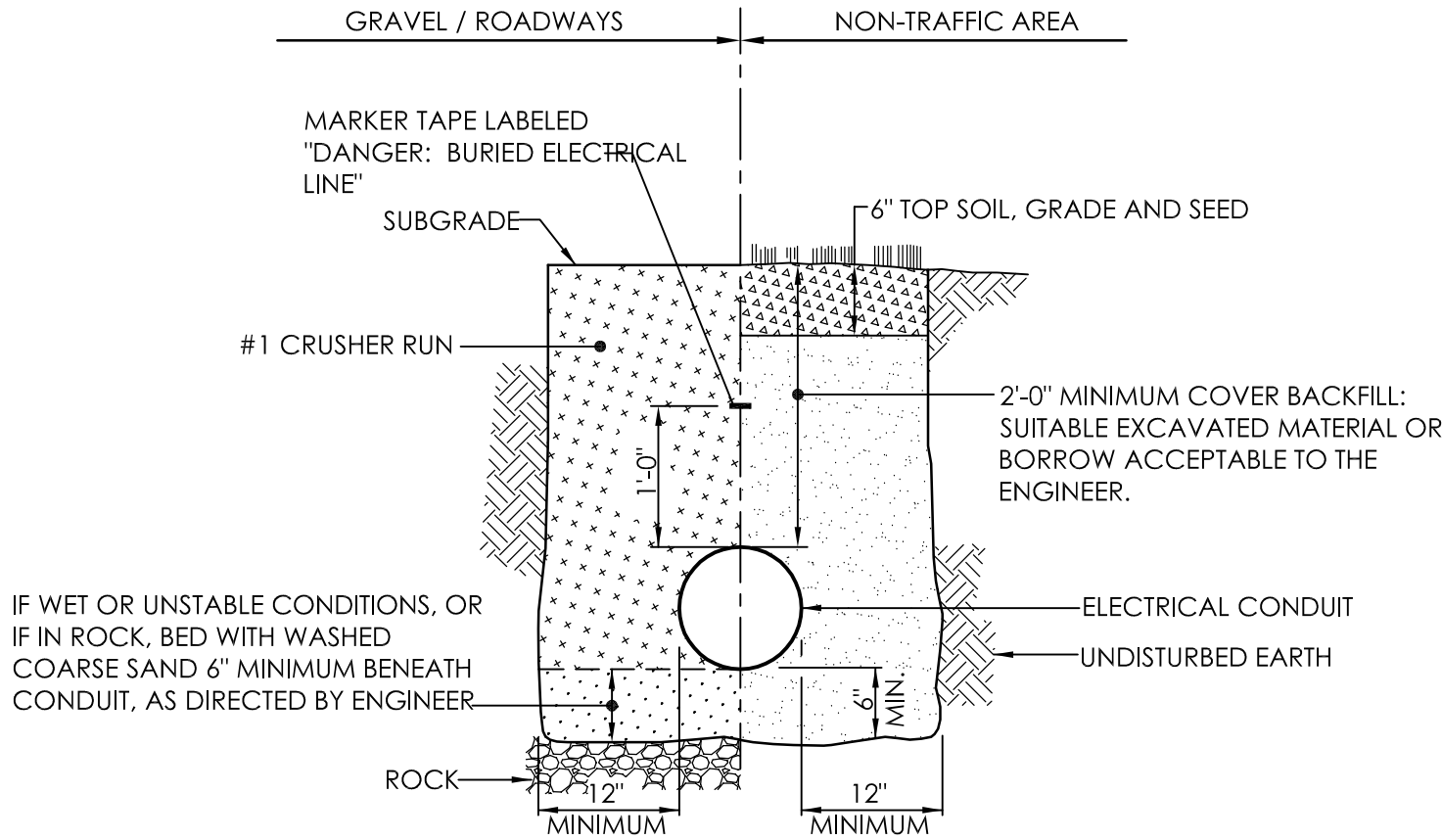


GENERAL NOTES:

- A. EXISTING UNDERGROUND UTILITIES SHOWN WERE OBTAINED THROUGH EXISTING DOCUMENTS AND FIELD WORK AND ARE SHOWN FOR REFERENCE PURPOSES ONLY.
- B. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL UNDERGROUND UTILITIES IN AREAS OF NEW UNDERGROUND ELECTRICAL WORK PRIOR TO EXCAVATION. ALL EXISTING ADJACENT UTILITIES SHALL BE TRACED AND MARKED ON SITE PRIOR TO EXCAVATION. ELECTRICAL CONTRACTOR SHALL HAND EXCAVATE AS REQUIRED. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO ADJACENT UNDERGROUND UTILITIES AND SHALL INCUR ALL ASSOCIATED REPAIR COSTS.
- C. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COST ASSOCIATED WITH TRENCHING, SAW CUTTING, ETC. ELECTRICAL CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR FULL RESTORATIONS OF ALL EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TOO REPLACING AND PATCHING OF ALL PAVEMENT, CONCRETE, SIDEWALKS, CURBS, STRIPING, SIGNAGE, GRASS, MULTCH, TREES, BUSHES, ETC.

KEY NOTES:

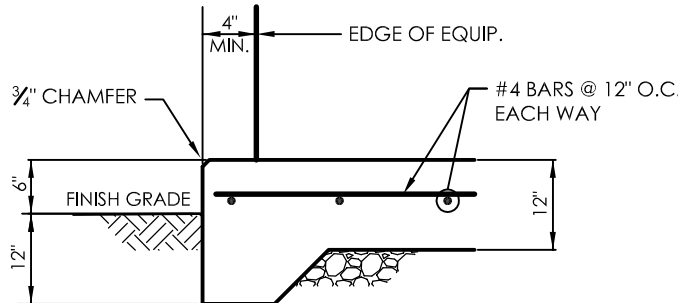
- 1 REMOVE EXISTING UNDERGROUND SECONDARY CONDUCTORS AND CONDUIT BACK TO EXISTING UTILITY TRANSFORMER VAULT.
- 2 PROVIDE NEW SECONDARY DISTRIBUTION FROM UTILITY TRANSFORMER VAULT TO CT CABINET AND METER ROOM 104B. REFER TO ONE-LINE DIAGRAMS ON DRAWING PMS/E001 FOR ADDITIONAL INFORMATION.
- 3 COORDINATE LOCATION OF NEW CT CABINET AND ELECTRIC METER WITH UTILITY COMPANY PRIOR TO START OF CONSTRUCTION. LOCATE IN VAULT IF ALLOWED BY UTILITY COMPANY. OTHERWISE, LOCATE BETWEEN WINDOWS ON EXTERIOR OF BUILDING. LOCATE ON CONCRETE PAD. REFER TO ONE-LINE DIAGRAMS ON DRAWING PMS/E001 FOR ADDITIONAL INFORMATION.



NOTES:

- A. NUMBER AND SIZE OF CONDUITS AS NOTED ON DRAWINGS.
- B. PROVIDE MINIMUM 2" SPACE BETWEEN OUTSIDE DIAMETER OF EACH CONDUIT.

2 TYPICAL TRENCH DETAIL FOR CONDUIT
E002 NOT TO SCALE



NOTES:

- A. VERIFY PAD SIZE WITH EQUIPMENT DIMENSIONS.
- B. VERIFY PAD THICKNESS WITH EQUIPMENT MANUFACTURER FOR ANCHORAGE.
- C. CONCRETE SHALL ATTAIN A MINIMUM OF COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS.
- D. CONCRETE WORK, CONSTRUCTION AND RE-INFORCING SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE (ACI).
- E. PROVIDE FABRIC AND A MINIMUM OF 6" CRUSHED STONE BASE UNDER THE SLAB AND A MINIMUM OF 12" AROUND THE PERIMETER OF THE PAD ON 3 SIDES AND TO WALL ON SIDE ADJACENT TO EXTERIOR WALL.

3 EXTERIOR EQUIPMENT PAD DETAIL
E002 NOT TO SCALE



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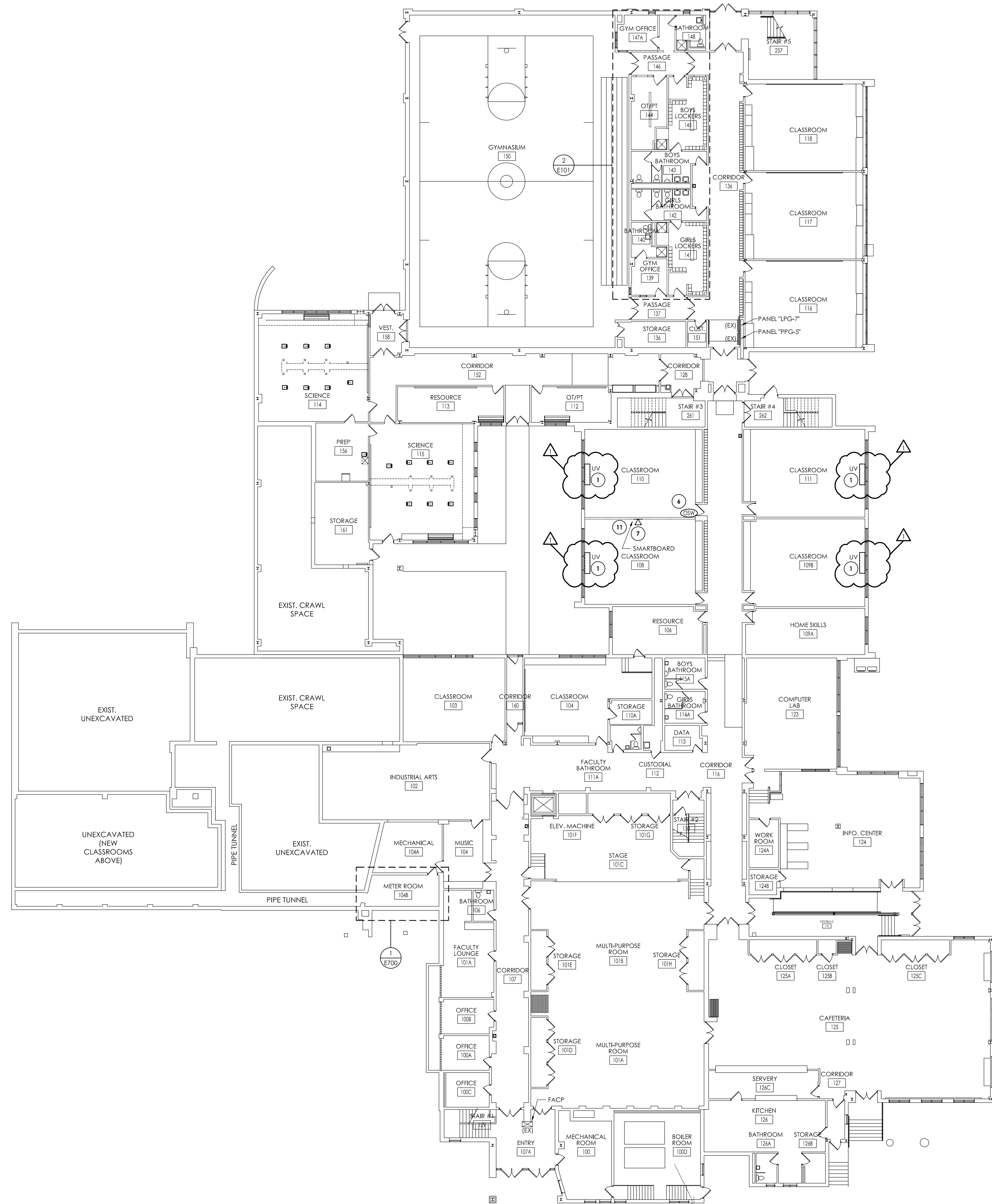
REVISIONS	NO.	DATE	BY	CHK	DESCRIPTION	
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	1	03/03/21	JAE			



PLEASANTVILLE UFSD
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IMPROVEMENTS PROJECT
60 ROMER AVENUE, PLEASANTVILLE, NY 10570
BEDFORD ROAD SCHOOL SED #66-08-09-03-0-009-005
MIDDLE SCHOOL SED #66-08-09-03-0-003-023
HIGH SCHOOL SED #66-08-09-03-0-001-018

DATE	1/18/21	DRAWN	JAE	CHECKED	ARM
SCALE	AS INDICATED				
SHEET TITLE	ELECTRICAL SITE PLAN				

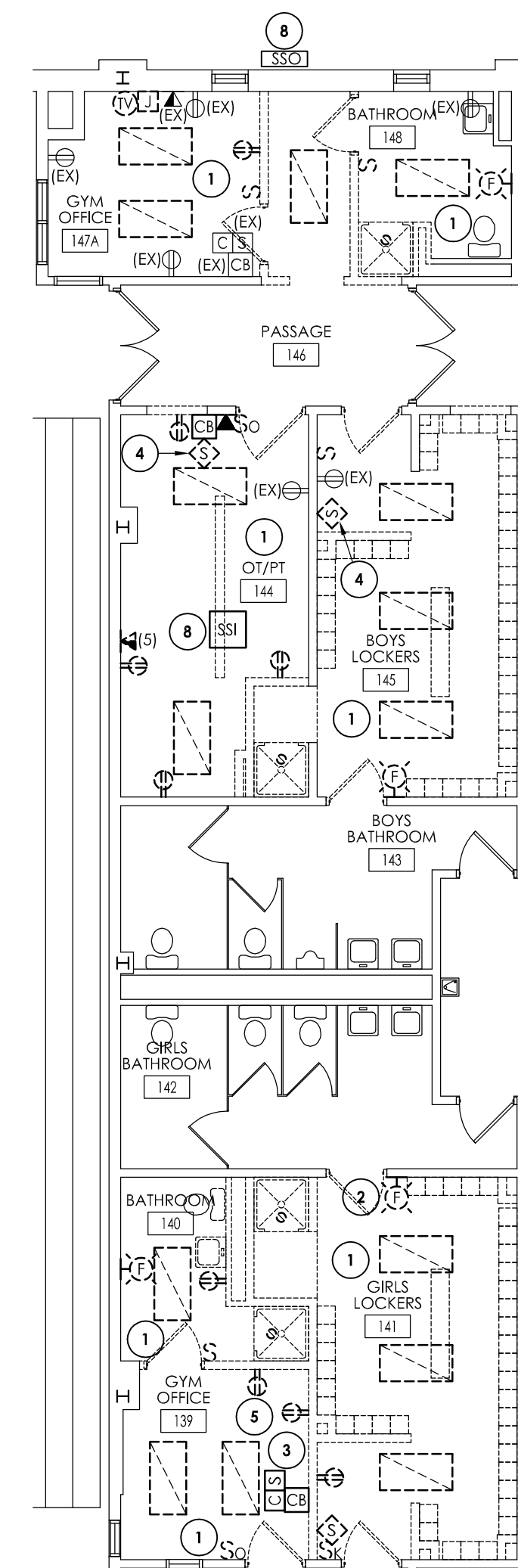
PROJECT NUMBER	15131.01
DRAWING NUMBER	PMS E002



FIRST FLOOR ELECTRICAL DEMOLITION PLAN

GENERAL NOTES:

- A. ANY DEVICE AS WELL AS ITS ASSOCIATED CIRCUITING AND CONDUIT, LABELED "EX1" SHALL REMAIN. UNLESS OTHERWISE NOTED.
- B. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC 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.
- C. WHERE DEVICES, FIXTURES, ETC. ARE INDICATED TO BE REMOVED, THE AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE PANELBOARD 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. ALL SPARE BREAKERS SHALL BE PLACED IN THE "OFF" POSITION. UPDATE PANEL SCHEDULES PER NEC.
- D. COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC. WITH OTHER DISCIPLINES AS APPLICABLE. REFER TO ARCHITECTURAL AND MECHANICAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION.
- E. 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.
- F. 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.
- G. CONTRACTOR SHALL REMOVE AND RE-INSTALL EXISTING CEILING TILES AS REQUIRED TO ACCOMMODATE SCOP OF WORK. TILES SHALL BE VACUUMED PRIOR TO REMOVAL TO MINIMIZE DUST AND DEBRIS. REPLACE DAMAGED TILES AS REQUIRED.
- H. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL BOXES OF UNUSED AND/OR REMOVED FLUSH MOUNT DEVICES UPON COMPLETION OF PROJECT.
- I. 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.



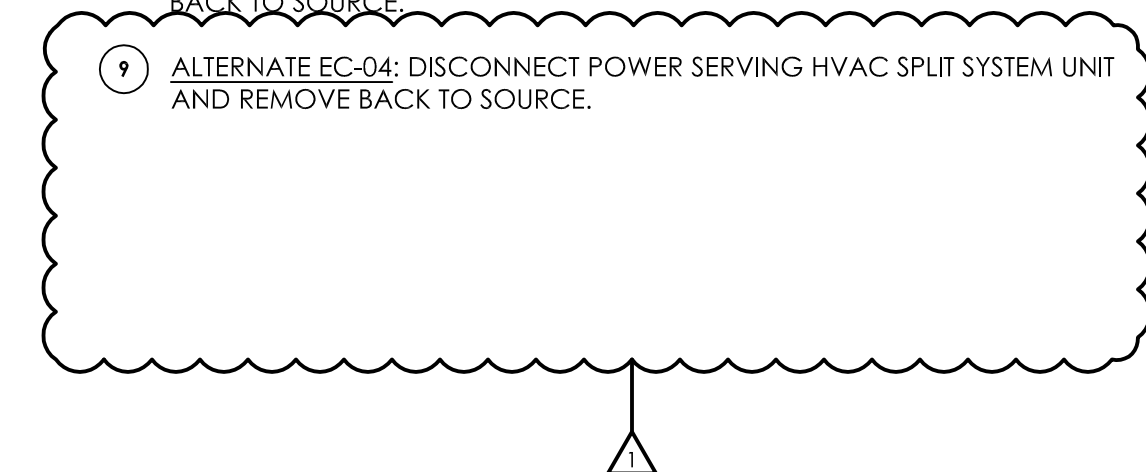
2
E101

**PARTIAL FIRST FLOOR ENLARGED
ELECTRICAL DEMOLITION PLAN**

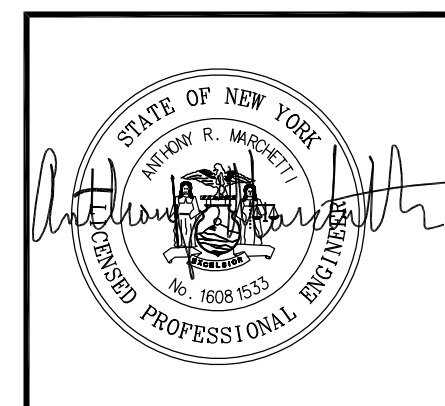
SCALE: 1/8" = 1'-0"

KEY NOTES:

- 1 DISCONNECT AND REMOVE EXISTING LIGHTING LIGHT FIXTURES AND CONTROLS SHOWN IN SPACE. EXISTING LIGHTING BRANCH CIRCUIT CURRENTLY SERVING FIXTURES SHALL REMAIN AND SERVE NEW FIXTURE AND CONTROLS LAYOUT.
- 2 REMOVE AND SALVAGE EXISTING SMARTBOARD FOR REINSTALLATION ON NEW WALL IN SAME LOCATION.
- 3 DISCONNECT AND SALVAGE EXISTING CLOCK AND SPEAKER COMBINATION UNIT AND ASSOCIATED CALL BUTTON DEVICES TO BE RELOCATED. PULL BACK CABLE TO A CONVENIENT, LABEL, AND PROTECT DURING DEMOLITION.
- 4 DISCONNECT AND REMOVE EXISTING SPEAKER. PULL BACK CABLE TO A CONVENIENT LOCATION. LABEL, AND PROTECT DURING DEMOLITION.
- 5 DISCONNECT AND REMOVE EXISTING RECEPTACLES. EXISTING RECEPTACLE BRANCH CIRCUIT CURRENTLY SERVING AREA SHALL REMAIN AND SERVE NEW RECEPTACLE LAYOUT.
- 6 DISCONNECT AND SALVAGE EXISTING WALL MOUNTED OCCUPANCY SENSOR FOR REINSTALLATION ON NEW WALL. PULL BACK CABLE TO A CONVENIENT LOCATION TO ACCOMMODATE WALL DEMOLITION. LABEL, AND PROTECT DURING DEMOLITION.
- 7 DISCONNECT AND REMOVE EXISTING SURFACE MOUNT DATA DEVICE AND ASSOCIATED RACEWAY. PULL BACK CABLE TO A CONVENIENT LOCATION TO ACCOMMODATE PARTITION REMOVAL. LABEL, AND PROTECT DURING DEMOLITION.
- 8 DISCONNECT POWER SERVING HVAC SPLIT SYSTEM UNIT AND REMOVE BACK TO SOURCE.
- 9 ALTERNATE EC-04: DISCONNECT POWER SERVING HVAC SPLIT SYSTEM UNIT AND REMOVE BACK TO SOURCE.



REVISIONS				
NO.	DATE	BY	CHK	DESCRIPTION
1	03/03/21	JAE	ARM	BID ADDENDUM NO. 1

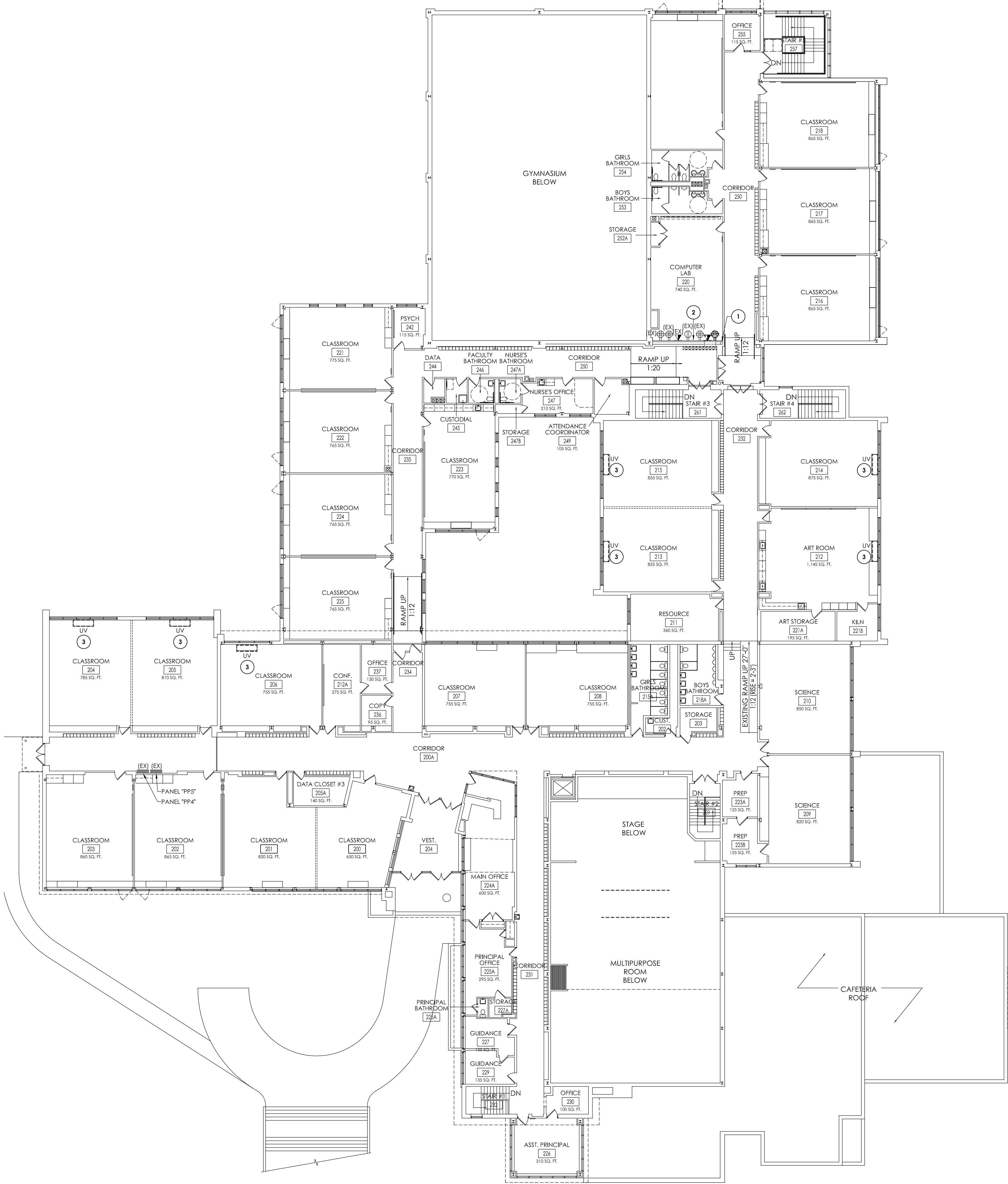


PLEASANTVILLE UFSD
PHASE 2 - 2019 CAPITAL
IMPROVEMENTS PROJECT

60 ROMER AVENUE, PLEASANTVILLE, NY 10570
BEDFORD ROAD SCHOOL SED #:66-08-09-03-0-009-005
MIDDLE SCHOOL SED #:66-08-09-03-0-003-023
HIGH SCHOOL SED #:66-08-09-03-0-001-018

DATE 1/18/21	DRAWN JAE	CHECKED ARM
SCALE AS INDICATED		
SHEET TITLE FIRST FLOOR ELECTRICAL DEMOLITION PLAN		

PROJECT NUMBER
15131.01
PMS
E101
DRAWING NUMBER



1 SECOND FLOOR ELECTRICAL DEMOLITION PLAN
E102 SCALE: 1/16" = 1'-0"

GENERAL NOTES:

- A. ANY DEVICE, AS WELL AS ITS ASSOCIATED CIRCUITING AND CONDUIT, LABELED "(EX)" SHALL REMAIN, UNLESS OTHERWISE NOTED.
- B. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC 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.
- C. WHERE DEVICES, FIXTURES, ETC., ARE INDICATED TO BE REMOVED, THEY AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE PANELBOARD 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. ALL SPARE BREAKERS SHALL BE PLACED IN THE "OFF" POSITION. UPDATE PANEL SCHEDULES PER NEC.
- D. COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC., WITH OTHER DISCIPLINES AS APPLICABLE. REFER TO ARCHITECTURAL AND MECHANICAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION.
- E. 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.
- F. 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.
- G. CONTRACTOR SHALL REMOVE AND RE-INSTALL EXISTING CEILING TILES AS REQUIRED TO ACCOMMODATE SCOPE OF WORK. TILES SHALL BE VACUUMED PRIOR TO REMOVAL TO MINIMIZE DUST AND DEBRIS. REPLACE DAMAGED TILES AS REQUIRED.
- H. CONTRACTOR SHALL PROVIDE NEW COVERPLATES ON ALL BOXES OF UNUSED AND/OR REMOVED FLUSH MOUNT DEVICES UPON COMPLETION OF PROJECT.
- I. 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.

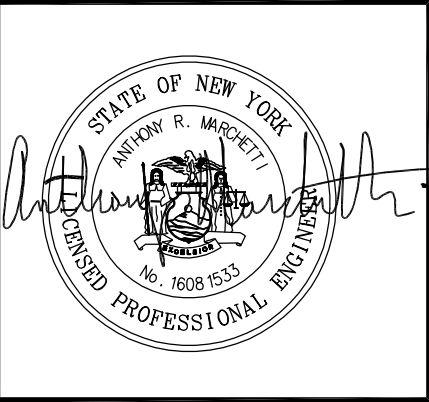
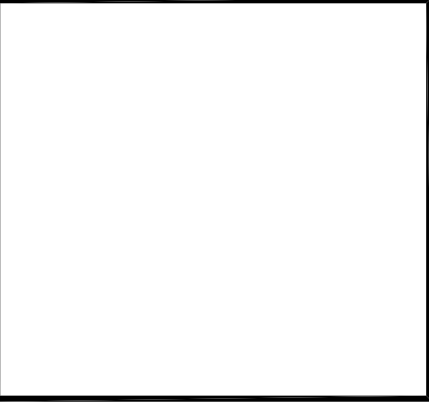
KEY NOTES:

- 1 ALTERNATE EC-02: EXISTING POWER AND DATA WIRING FEEDING EXISTING DEVICES TO REMAIN, IS TO BE PULL BACK OUT THROUGH CHASE AND TO ABOVE DROP CEILING TO BE RELOCATED.
- 2 ALTERNATE EC-02: DISCONNECT AND REMOVE TV AND TV MOUNTING BRACKET. STORE FOR RE-MOUNTING.
- 3 ALTERNATE EC-04: DISCONNECT POWER SERVING HVAC SPLIT SYSTEM UNIT AND REMOVE BACK TO SOURCE.

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REVIEWS	NO.	DATE	BY	CHK	DESCRIPTION
	1	03/03/21	JAE	ARM	BID ADDENDUM NO. 1



PLEASANTVILLE UFSD
PHASE 2 - 2019 CAPITAL
IMPROVEMENTS PROJECT
60 ROMER AVENUE, PLEASANTVILLE, NY 10570
BEDFORD ROAD SCHOOL SED # 66-08-09-03-0-009-005
MIDDLE SCHOOL SED # 66-08-09-03-0-003-023
HIGH SCHOOL SED # 66-08-09-03-0-001-018

DATE	1/18/21	DRAWN	JAE	CHECKED	ARM
SCALE	AS INDICATED				
SHEET TITLE	SECOND FLOOR ELECTRICAL DEMOLITION PLAN				

PROJECT NUMBER
15131.01

**PMS
E102**

DRAWING NUMBER

KEY NOTES:

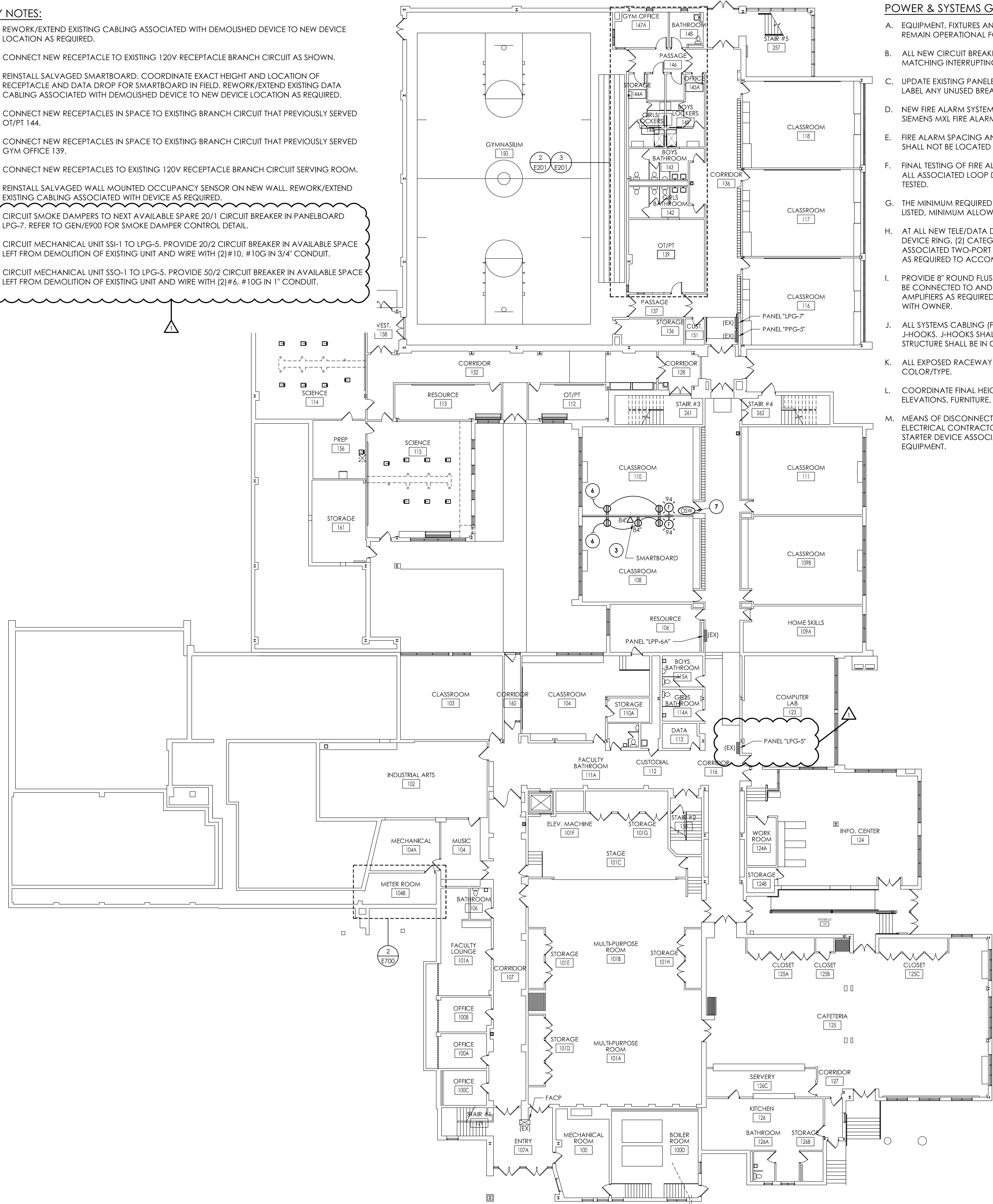
- REWORK/EXTEND EXISTING CABLING ASSOCIATED WITH DEMOLISHED DEVICE TO NEW DEVICE LOCATION AS REQUIRED.
- CONNECT NEW RECEPTACLE TO EXISTING 120V RECEPTACLE BRANCH CIRCUIT AS SHOWN.
- REINSTALL SALVAGED SMARTBOARD. COORDINATE EXACT HEIGHT AND LOCATION OF RECEPTACLE AND DATA DROP FOR SMARTBOARD IN FIELD. REWORK/EXTEND EXISTING DATA CABLING ASSOCIATED WITH DEMOLISHED DEVICE TO NEW DEVICE LOCATION AS REQUIRED.
- CONNECT NEW RECEPTACLES IN SPACE TO EXISTING BRANCH CIRCUIT THAT PREVIOUSLY SERVED OT/PT 144.
- CONNECT NEW RECEPTACLES IN SPACE TO EXISTING BRANCH CIRCUIT THAT PREVIOUSLY SERVED GYM OFFICE 139.
- CONNECT NEW RECEPTACLES TO EXISTING 120V RECEPTACLE BRANCH CIRCUIT SERVING ROOM.
- REINSTALL SALVAGED WALL MOUNTED OCCUPANCY SENSOR ON NEW WALL. REWORK/EXTEND EXISTING CABLING ASSOCIATED WITH DEVICE AS REQUIRED.
- CIRCUIT SMOKE DAMPERS TO NEXT AVAILABLE SPARE 20/1 CIRCUIT BREAKER IN PANELBOARD LPG-7. REFER TO GEN/E900 FOR SMOKE DAMPER CONTROL DETAIL.
- CIRCUIT MECHANICAL UNIT SSI-1 TO LPG-5. PROVIDE 20/2 CIRCUIT BREAKER IN AVAILABLE SPACE LEFT FROM DEMOLITION OF EXISTING UNIT AND WIRE WITH (2)#10. #10G IN 3/4" CONDUIT.
- CIRCUIT MECHANICAL UNIT SSO-1 TO LPG-5. PROVIDE 50/2 CIRCUIT BREAKER IN AVAILABLE SPACE LEFT FROM DEMOLITION OF EXISTING UNIT AND WIRE WITH (2)#6. #10G IN 1" CONDUIT.

POWER & SYSTEMS GENERAL NOTES:

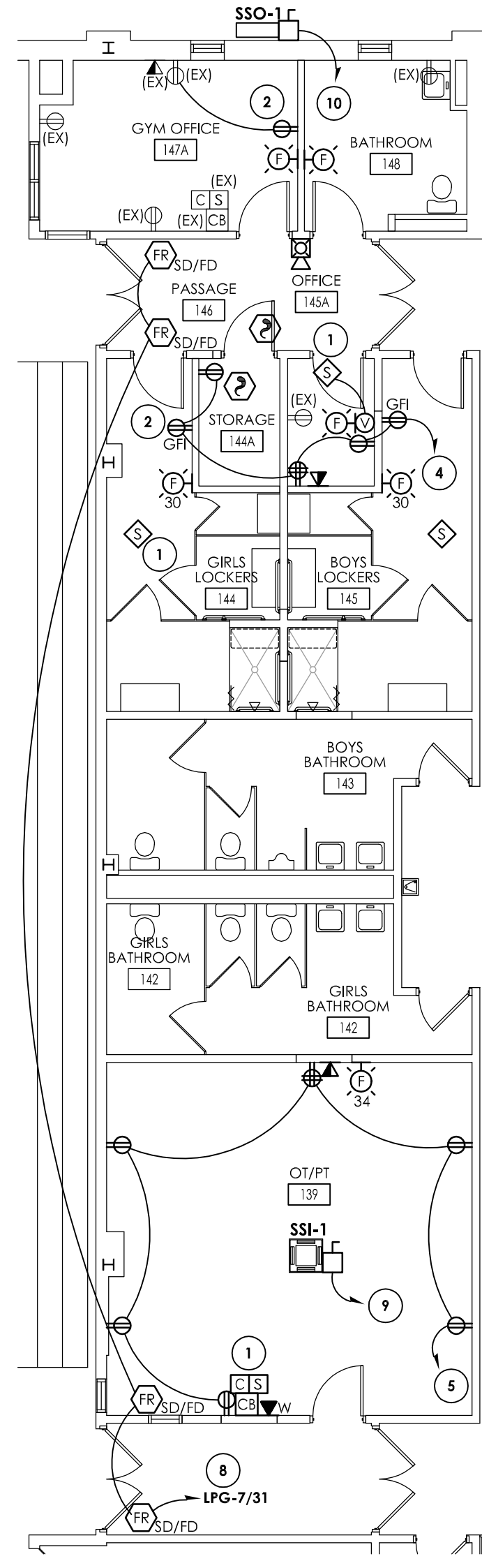
- EQUIPMENT, FIXTURES AND DEVICES LABELED AS "EXI" ARE EXISTING AND ARE SHOWN FOR REFERENCE ONLY. ALL OF THESE SHALL REMAIN OPERATIONAL FOLLOWING CONSTRUCTION.
- ALL NEW CIRCUIT BREAKERS IN EXISTING PANELBOARDS SHALL BE U.L LISTED AND LABELED FOR USE IN PANELBOARD AND HAVE MATCHING INTERRUPTING RATING OF PANELBOARD.
- UPDATE EXISTING PANELBOARD DIRECTORIES TO REFLECT CHANGES MADE TO CIRCUITS WITH NEW LOADS AND ROOMS SERVED. LABEL ANY UNUSED BREAKER IN PANELBOARD AS "SPARE" AND TURN TO OFF POSITION.
- NEW FIRE ALARM SYSTEM INITIATION AND NOTIFICATION DEVICES SHOWN SHALL BE CONNECTED TO AND COMPATIBLE WITH SIEMENS MXL FIRE ALARM CONTROL PANEL LOCATED IN ENTRY 107A.
- FIRE ALARM SPACING AND HEIGHT SHALL COMPLY WITH NFPA 72 REQUIREMENTS. ALL FIRE ALARM INITIATION DEVICES SHOWN SHALL NOT BE LOCATED IN DIRECT AIRFLOW PATH OR CLOSER THAN 3' OF AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING.
- FINAL TESTING OF FIRE ALARM SYSTEM SHALL COMPLY WITH ALL NFPA 72 REQUIREMENTS. ANY ALTERED CIRCUIT(S) SHALL HAVE ALL ASSOCIATED LOOP DEVICES TESTED IN THEIR ENTIRETY AND 10% OF NEIGHBORING ZONE/LOOP DEVICES SHALL ALSO BE TESTED.
- THE MINIMUM REQUIRED CANDELA LEVEL IS LISTED ADJACENT TO NEW NOTIFICATION DEVICES. IF THE CANDELA RATING IS NOT LISTED, MINIMUM ALLOWABLE SETTING IS 15 CANDELA.
- AT ALL NEW TELE/DATA DROPS SHOWN PROVIDE THE FOLLOWING: FLUSH MOUNT DOUBLE GANG BACKBOX WITH SINGLE GANG DEVICE RING, (2) CATEGORY 6 CABLES IN 3/4" CONDUIT ELBOWED ABOVE FINISHED CEILING SPACE TO NEAREST DATA RACK, ASSOCIATED TWO-PORT FACEPLATE, BRACKETS, AND (2) RJ-45 JACKS. PROVIDE 24 PORT PATCH PANEL IN EXISTING DATA RACK AS REQUIRED TO ACCOMMODATE NEW DROPS
- PROVIDE 8" ROUND FLUSH MOUNTED WHITE CEILING SPEAKERS WHERE SHOWN, UNLESS OTHERWISE NOTED. NEW SPEAKERS SHALL BE CONNECTED TO AND COMPATIBLE WITH EXISTING BUILDING P.A. SYSTEM. EXPAND EXISTING SYSTEM WITH ADDITIONAL AMPLIFIERS AS REQUIRED AT HEAD END LOCATION FOR A COMPLETE OPERATIONAL SYSTEM. COORDINATE EXACT REQUIREMENTS WITH OWNER.
- ALL SYSTEMS CABLING (PUBLIC ADDRESS, FIRE ALARM, TELE/DATA) ABOVE ACCESSIBLE CEILINGS SHALL BE SUPPORTED VIA J-HOOKS. J-HOOKS SHALL NOT EXCEED 5'-0" SPACING. ALL CABLING ABOVE INACCESSIBLE SPACES AND CEILINGS OPEN TO STRUCTURE SHALL BE IN CONDUIT.
- ALL EXPOSED RACEWAY SHALL BE PAINTED TO MATCH CEILING/WALL FINISH. CONTRACTOR SHALL USE APPROVED PAINT COLOR/TYPE.
- COORDINATE FINAL HEIGHTS AND LOCATIONS OF ALL DEVICES AND EQUIPMENT WITH ASSOCIATED TRADES, ARCHITECTURAL ELEVATIONS, FURNITURE, MILLWORK, ETC. PRIOR TO ROUGH-IN.
- MEANS OF DISCONNECT AND/OR STARTER ASSOCIATED WITH MECHANICAL UNIT PROVIDED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE MOUNTING, AND LINE/LOAD SIDE CONNECTIONS OF DISCONNECT AND/OR STARTER DEVICE ASSOCIATED WITH UNIT. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL FINAL CONNECTIONS TO EQUIPMENT.

LIGHTING GENERAL NOTES:

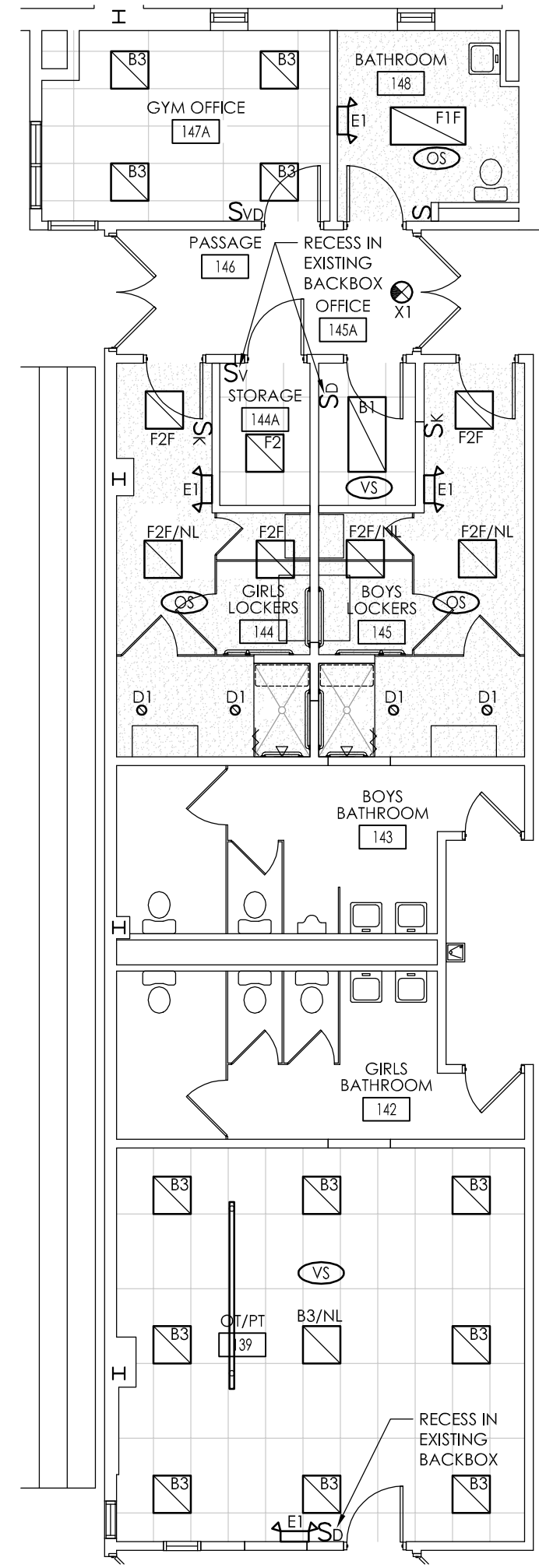
- EQUIPMENT, FIXTURES AND DEVICES LABELED AS "EXI" ARE EXISTING AND ARE SHOWN FOR REFERENCE ONLY. ALL OF THESE SHALL REMAIN OPERATIONAL FOLLOWING CONSTRUCTION.
- REFER TO LUMINAIRE SCHEDULE ON DRAWING GEN/E900 FOR FIXTURE DESIGNATION TYPES, DESCRIPTIONS, AND SPECIFICATIONS.
- UNLESS OTHERWISE NOTED, IN EACH ROOM/AREA SHOWN ON THE PLAN, WIRE NEW SWITCHED LIGHT FIXTURES TO EXISTING LIGHTING BRANCH CIRCUITING LEFT FROM DEMOLITION. REWORK/EXTEND CIRCUITING AS REQUIRED TO SERVE NEW FIXTURE AND CONTROL LAYOUT.
- WIRE ALL EXIT SIGNS TO EXISTING EXIT SIGN BRANCH CIRCUIT SERVING AREA. REWORK/EXTEND CIRCUITING AS REQUIRED.
- WIRE ALL NIGHTLIGHT FIXTURES (WITH "NLI" SUFFIX) AHEAD OF LOCAL AREA SWITCHING.
- WIRE ALL EMERGENCY LIGHTING UNITS. TYPE E1, TO ROOM LIGHTING CIRCUIT AHEAD OF LOCAL AREA SWITCHING.
- ALL OCCUPANCY AND VACANCY SENSORS SHALL BE MOUNTED WITHIN ROOM TO OBTAIN MAXIMUM COVERAGE PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- NEW LIGHTING CONTROLS SHOWN (OCCUPANCY SENSORS, VACANCY SENSORS, PHOTOCELLS, SWITCHES, DIMMERS, ETC.) SHALL BE LOW VOLTAGE DEVICES. PROVIDE ALL ASSOCIATED CONTROL UNITS, POWER PACKS, WIRING, AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. WIRE ALL CONTROL UNITS AND POWER PACKS TO ASSOCIATED ROOM LIGHTING BRANCH CIRCUIT AHEAD OF LOCAL AREA SWITCHING.



1 FIRST FLOOR ELECTRICAL NEW WORK PLAN
SCALE: 1/16" = 1'-0"



2 PARTIAL FIRST FLOOR ENLARGED POWER & SYSTEMS PLAN
SCALE: 1/8" = 1'-0"



3 PARTIAL FIRST FLOOR ENLARGED LIGHTING PLAN
SCALE: 1/8" = 1'-0"



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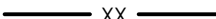
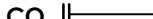
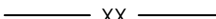
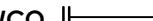
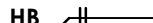
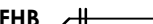
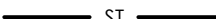
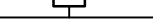
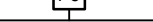
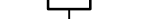
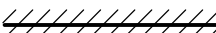
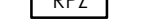
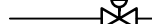


PLEASANTVILLE UFSD
PHASE 2 - 2019 CAPITAL
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BEDFORD ROAD SCHOOL SED #66-08-09-03-0-009-005
MIDDLE SCHOOL SED #66-08-09-03-0-003-023
HIGH SCHOOL SED #66-08-09-03-0-001-018

DATE	1/18/21	DRAWN	JAE	CHECKED	ARM
SCALE	AS INDICATED				
SHEET TITLE	FIRST FLOOR ELECTRICAL NEW WORK PLANS				

PROJECT NUMBER	15131.01
PMS E201	
DRAWING NUMBER	

FIXTURES & FITTINGS LEGEND

	XX	PIPING BELOW GRADE		TEE OUTLET - UP		CO	CLEAN OUT
	XX	EXISTING PIPING		TEE OUTLET - DOWN		FCO	FLOOR CLEAN OUT
	CW	COLD WATER		CONNECTION - TOP		WCO	WALL CLEAN OUT
	HW	HOT WATER		ELBOW - TURNED UP		HB	HOSE BIBB
	HWB	HOT WATER RECIRCULATING		ELBOW - TURNED DOWN		NFHB	NON FREEZE HOSE BIBB
	SAN	SANITARY SEWER		PIPE CAP		FD	FLOOR DRAIN
	ST	STORM		UNION		PS	FLOW SWITCH
	LPG	PROPANE GAS		FLANGE		PS	PRESSURE SWITCH
	FOS	FUEL OIL SUPPLY		BALL VALVE		AG	AQUASTAT
	FOR	FUEL OIL RETURN		BALANCING VALVE			PRESSURE GAUGE
	FP	FIRE PROTECTION/SPRINKLER		CHECK VALVE			THERMOMETER
	V	VENT		BUTTERFLY VALVE			STRAINER
		PLUMBING TO BE REMOVED		PLUG VALVE			INLINE PUMP
	WH-A	WATER HEATER ZONE ONE		PRESSURE RELIEF VALVE		A	WATER HAMMER ARRESTER
	WH-B	WATER HEATER ZONE TWO		TEMPERATURE-PRESSURE RELIEF VALVE		RPZ	REDUCED PRESSURE ZONE BACK FLOW PREVENTER
	EXP	EXPANSION		PRESSURE REDUCING VALVE		DCV	DOUBLE CHECK VALVE ASSEMBLY
	ETR	EXISTING TO REMAIN		COMBO ISOLATION, CHECK, BALANCE			SPRINKLER HEAD
				GAS PRESSURE REGULATOR		P	POINT OF CONNECTION
						R	POINT OF REMOVAL

PLUMBING EQUIPMENT & FIXTURE SCHEDULE

MARK	FIXTURE	CW	HW	SAN	V	GAS	DESCRIPTION	MODEL
SH-A	SHOWER, ACCESSIBLE	1/2"	1/2"	2"	1 1/2"	-	SURFACE MOUNT SHOWER, RUSHED 18 GAUGE 304 STAINLESS STEEL, ADA HEIGHT WITH HAND SHOWER, SURFACE MOUNTED PIPE ENCLOSURE.	POWERS 450-7054
FD-A	FLOOR DRAIN	-	-	-	2"	-	FLOOR DRAIN, 8" ROUND NICKEL BRONZE STRAINER, CAST IRON BODY, DEEP SEAL P TRAP	

GENERAL SPECIFICATION NOTES:

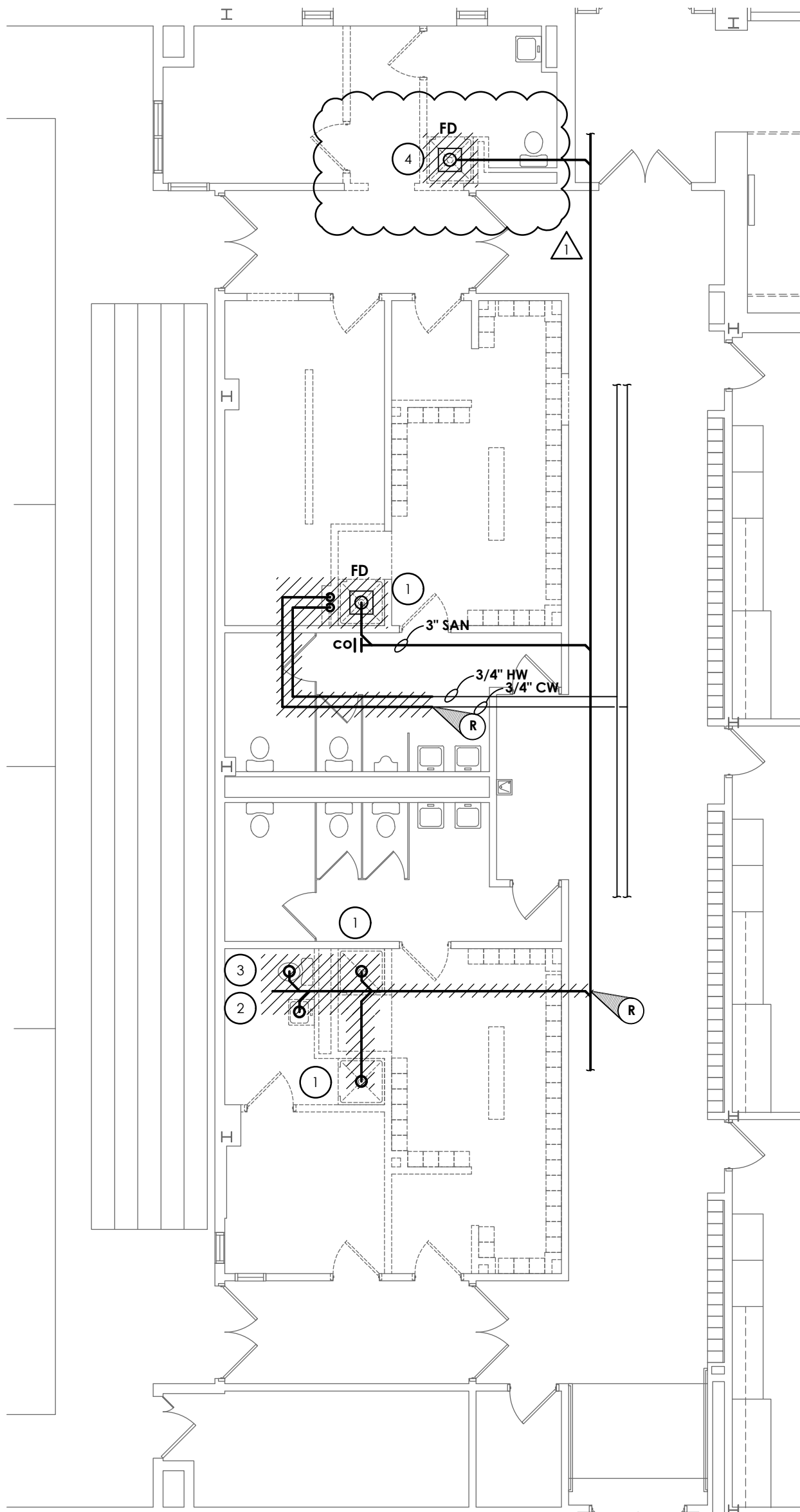
- A. ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODES.
- B. DOMESTIC WATER LINES SHALL BE TYPE L COPPER, LEAD FREE JOINTS. INSULATE ALL PIPING WITH PREFORMED FIBERGLASS PIPE INSULATION WITH ASJ COVER SIZED PER ENERGY CODE. ALL FITTINGS AND VALVES TO BE COVERED WITH PREFORMED PVC FITTING COVERS. ALL EXPOSED VERTICAL FIXTURE SUPPLY LINES TO BE COVERED WITH PVC JACKET TO 7" ABOVE FINISHED FLOOR.
- C. UNDERGROUND SANITARY AND VENT PIPING SHALL BE SERVICE WEIGHT CAST IRON, HUB AND SPIGOT WITH RUBBER GASKET PUSH JOINTS. ABOVE GROUND SANITARY AND VET PIPING SHALL BE DWV COPPER WITH DWV COPPER FITTINGS OR NO-HUB CAST IRON.
- D. IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS WITHIN THE BUILDING PRIOR TO COMMENCEMENT OF ALL DEMOLITION AND NEW WORK.
- E. IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO REMOVE AND REPLACE EXISTING CEILINGS UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS, FOR PERFORMING DEMOLITION OR NEW WORK WITHIN THE BUILDING. THE CONTRACTOR SHALL REINSTALL THE CEILING SYSTEMS TO MATCH THE ORIGINAL INSTALLATION. ANY CEILING SYSTEM COMPONENT DAMAGED DURING DEMOLITION, STORAGE, OR RE-INSTALLATION SHALL BE REPLACED WITH A NEW AT NO EXPENSE TO THE OWNER.
- F. ALL PIPING AND CONDUIT PENETRATIONS THRU RATED WALLS OR FLOORS SHALL BE PROVIDED WITH FIRE/SMOKE STOPPING.
- G. UNLESS SHOWN ON THE ARCHITECTURAL DRAWINGS, IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO PATCH AND FINISH ALL EXISTING PIPE PENETRATIONS AND TRENCHING THRU FLOOR AND WALLS AFTER DEMOLITION. IN ADDITION, ALL NEW PENETRATIONS AND TRENCHING SHALL BE PROVIDED FOR INSTALLATION OF PLUMBING SYSTEMS INCLUDING, BUT NOT LIMITED TO, EQUIPMENT, PIPING, ETC.
- H. UNLESS OTHERWISE INDICATED ON PLANS, PROVIDE WATER HAMMER ARRESTORS ON BRANCH PIPING TO EACH TOILET ROOM, LAUNDRY ROOM, SOLENOID VALVE, OR AS OTHERWISE REQUIRED BY CODE.

KEY DEMO NOTES:

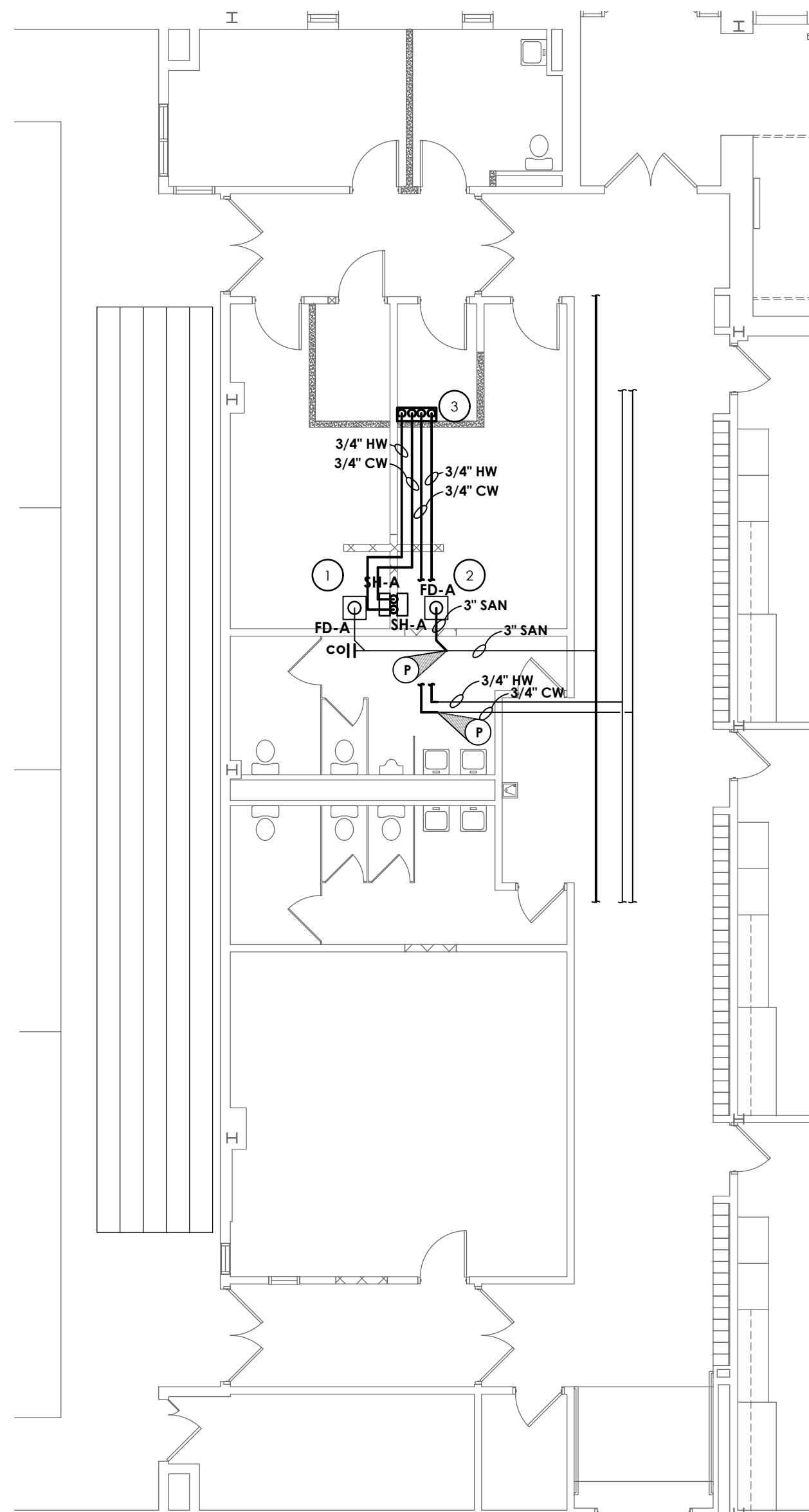
- ① REMOVE EXISTING SHOWER FIXTURES. REMOVE PIPING BACK TO NEARED VALVE. PREPARE FOR NEW CONNECTION.
- ② REMOVE EXISTING LAVATORY. REMOVE PIPING BACK TO MAIN AND CAP.
- ③ REMOVE EXISTING WATER CLOSET. REMOVE PIPING BACK TO MAIN AND CAP.
- ④ REMOVE EXISTING SHOWER. REMOVE HW/CW/SAN PIPING BACK TO MAIN AND CAP.

KEY NOTES:

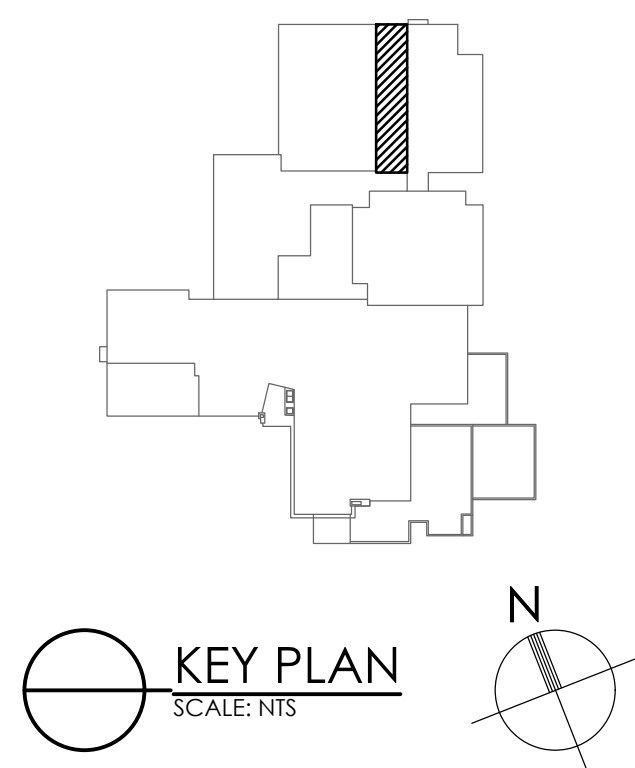
- ① PROVIDE NEW FLOOR DRAIN AND NEW SURFACE MOUNTED SHOWER. SHOWER SHALL BE ADA COMPLIANT. CUT SLAB AS NEEDED TO ALLOW FOR INSTALLATION OF NEW FLOOR DRAIN. EXTEND EXISTING UTILITIES TO NEW SHOWER. PROVIDE 3/4" HW/CW TO SHOWER.
- ② PROVIDE NEW FLOOR DRAIN AND NEW SURFACE MOUNTED SHOWER. SHOWER SHALL BE ADA COMPLIANT. CUT SLAB AS NEEDED TO ALLOW FOR NEW SHOWER FLOOR DRAIN INSTALLATION. CONNECT TO EXISTING SANITARY MAIN. PROVIDE NEW 3/4" HW/CW PIPING TO SHOWER.
- ③ PROVIDE WITH NEW LOCKABLE VALVE BOX. VALVE BOX SHALL HAVE TWO LINESIZE BALL VALVES FOR SHOWER SHUTOFF.



FIRST FLOOR PLUMBING DEMOLITION PLAN



2 FIRST FLOOR PLUMBING NEW WORK PLAN
P200 SCALE: 1/8" = 1'-0"



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REVISIONS			DESCRIPTION
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PLEASANTVILLE UFSD
PHASE 2 - 2019 CAPITAL
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HIGH SCHOOL SED #:66-08-09-03-0-001-018

DATE 1/18/21	DRAWN NRH	CHECKED NRH
SCALE AS SHOWN		
SHEET TITLE FIRST FLOOR PLUMBING DEMOLITION AND NEW WORK PLAN		

PROJECT NUMBER
15131.01

PMS
P200

DRAWING NUMBER

**Pleasantville Union Free School District
Phase 2: 2019 Capital Improvements Project
CPL Project No. 15131.01**

CONSTRUCTION BUDGET

General Construction	\$ 2,000,000
Mechanical Construction	\$ 400,000
Electrical Construction	\$ 375,000