

BID ADDENDUM NO. 1
TO
CONTRACT DOCUMENTS
AND
TECHNICAL SPECIFICATIONS
FOR
POOL LOCKER ROOM RENOVATIONS
AT
HOMMOCKS MIDDLE SCHOOL
NYSED #66-07-01-03-0-011-031

Mamaroneck Union Free School District
1000 West Boston Post Road
Mamaroneck, NY 10543

Telephone No. 914-220-3040

Contact: Ms. Sylvia Wallach
Assistant Superintendent for Business

LAN Job #4.1092.87
September 13, 2024

Danielle L. Farrell, AIA, LEED AP BD+C
NYS #039812

1.0 General: The original contract documents dated **September 15, 2023**, issued to the New York State Education Department (NYSED) for this project are hereby amended as noted in this NYSED addendum which shall become part of said contract documents, as if originally included therein. Bidders must acknowledge receipt of this NYSED addendum and all other addenda on the proposal form when submitting proposals. In case any bidder fails to acknowledge receipt of addenda, his proposal will nevertheless be construed as though it has been received, acknowledged, and the submission of his proposal shall constitute acknowledgment by the bidder of the receipt of same.

This is to advise all prospective bidders that this addendum has been issued to all bidders and that it contains a change in the contract documents.

2.0 Amendments to Specifications:

Section No.	Page No.	Addendum Requirements
00 41 02-87a-GC		Bid Form 87a-GC has been revised to add or revise: <ul style="list-style-type: none"> • Allowance 87a-2 for Door Hardware. • Unit Prices for Contract 87a • Add Alternate 87a-1 to remove diving boards from the scope of work. The diving boards are to be provided and installed by the owner at a later date.
01 21 00		Specification Section 01 21 00 – Allowances has been revised to include Allowance 87a-2 for Door Hardware.
01 22 00	All	Specification Section 01 22 00 - Unit prices has been added.
01 23 00		Specification Section 01 23 00 – Alternates has been revised to remove diving boards from the scope of work. The diving boards are to be provided and installed by the owner at a later date.
08 63 00	All	Specification Section 08 63 00 – Insulated Translucent Fiberglass Sandwich Panel System Specification added.

3.0 Amendments to Drawings:

Drawing No.	Addendum Requirements
A1.01	<u>Drawing A1.01:</u> The revision includes the addition of Plan 3/A1.01-Partial First Floor Plan w/Demolition. On plans 1/A1.01 and 2/A1.01, the following doors and frames have been shown to be removed: the corridor door accessing the men’s locker room, the storage room door in the men’s locker room, and the closet doors in the key rooms of both the men’s and women’s locker rooms.
A1.02	<u>Drawing A1.02:</u> The revision includes changes to the floor trenching location in the locker room showers and key rooms.
A1.03	<u>Drawing A1.03:</u> The revision includes changes to Add. Alternate Demolition Key Notes 1 and 6. The overall dimensions of the pool have been added as well as section marker 1/A4.01. Pool Cleaning Notes have been added.

Drawing No.	Addendum Requirements
A2.01	<u>Drawing A2.01:</u> The revision includes the addition of Plan 3/A2.01-Partial First Floor Proposed Plan.
A2.01	<p data-bbox="662 317 1443 495">On plans 1/A2.01 and 2/A2.01, The following doors have been revised to be replaced with new: the corridor door accessing the men's locker room, the storage room door in the men's locker room, and the closet doors in the ADA/Family/Gender Neutral Changing Room 115 and Family/Gender Neutral Changing Room 131.</p> <p data-bbox="662 527 1443 621">All the epoxy floor shower stalls have been changed to pre-manufactured shower pans. Construction Key Note #17 has been added and tagged on the plans.</p>
A2.02	<p data-bbox="662 653 1443 747"><u>Drawing A2.02:</u> The revision includes the addition of door tags D06, D07, D08, and D09 and keynote tags #19 for the doors accessing the pool deck from the men's locker room.</p> <p data-bbox="662 768 1443 894">The diving boards have been removed from the scope of work and are to be provided and installed by the owner at a later date. Add. Alternate Proposed Key Note #1 has been revised. Detail #5 'Diving Board' has been removed.</p>
A5.01	<u>Drawing A5.01:</u> The revision includes changes to the locations of the ceiling access panels.
A6.01	<p data-bbox="662 1020 1443 1083"><u>Drawing A6.01:</u> The revision includes the addition of doors D16, D17, D18, D19, D20, and D21.</p> <p data-bbox="662 1104 1443 1136">Addendum #2 will include information on door hardware.</p>
A6.02	<p data-bbox="662 1167 1443 1230"><u>Drawing A6.02:</u> The revision includes changes to the height of door type 'A' and 'B'.</p> <p data-bbox="662 1251 1443 1377">Drawing revision includes the addition of door types 'C' and 'D'. Door types 'C' and 'D' will be used for doors D17, D20 and D21. When the existing frame is removed, and the new frame is installed, the opening above will be infilled with wall type A1.</p>
A6.03	<p data-bbox="662 1409 1443 1503"><u>Drawing A6.03:</u> The revision includes changes to detail 7/A6.03 which show the new pre-manufactured shower pan and shower diverter valve control handle.</p> <p data-bbox="662 1524 1443 1598"><u>Drawing A6.03:</u> Details 1&3/A6.03 updated to indicate new solid grouted CMU locker bases.</p>
A7.02	<p data-bbox="662 1629 1443 1776"><u>Drawing A7.02:</u> The following doors have been revised to be replaced with new: the corridor door accessing the men's locker room, the storage room door in the men's locker room, and the closet doors in the ADA/Family/Gender Neutral Changing Room 115 and Family/Gender Neutral Changing Room 131.</p> <p data-bbox="662 1797 1443 1866"><u>Drawing A7.02:</u> The revision includes changes to the plumbing fixture tags for the new shower pans.</p>

Drawing No.	Addendum Requirements
A9.01	<p><u>Drawing A9.01</u>: Floor Finish Legend updated to indicate the Hybri-Flex AC flooring system to align with the specifications.</p> <p><u>Drawing A9.01</u>: Floor Finish Legend updated to remove "Accent 2" from the legend.</p>
P2.01	<u>Drawing P2.01</u> : The revision includes the updated placement of domestic piping locations and ceiling access panels.
P2.02	<u>Drawing P2.02</u> : The revision includes the updated placement of sanitary and vent piping locations.
P6.01	<u>Drawing P6.01</u> : The revision includes an addition to the plumbing fixture schedule for the pre-manufactured shower pans (P-9, P-10, P-11).
E2.01	<u>Drawing E2.01</u> : The revision includes the new time clock location and stainless steel wall plate information.
E2.02	<u>Drawing E2.02</u> : The revision includes circuits for the freeze protection pumps.
E5.01	<u>Drawing E5.01</u> : The revision includes the addition of fixture type E to the light fixture schedule and the Basis-of-Design information of the lighting controls.

4.0 Requests for Information (RFIs):

No.	Comment/Response
1	<p>Comment: Please clarify hardware sets. No information on hardware sets in specs or drawings.</p> <p>Response: Addendum #2, which will be issued in the following week, will include door hardware.</p>
2	<p>Comment: Please provide schools fire alarm vendor information.</p> <p>Response: Open Systems Metro (914) 241-0057</p>
3	<p>Comment: Drawing E5.01 indicates ceiling Occupancy sensors, wall Occupancy sensors, wall mounted Switch-Occupancy sensors etc. and a Detail #3 Lighting Control Riser provides added details for the "lighting control system", however, no manufacturer or catalog numbers are provided for any of these devices and there is no Lighting Control section in Division #26 of the Specifications that addresses these devices. Please provide information/specifications for the same.</p> <p>Response: The system is based upon Hubble NX as the basis of the design. Refer to revised drawing E5.01.</p>
4	<p>Comment: On Drawing E5.01 there are (3) Type E fixtures indicated in Janitor Closets but no such Type is listed in the Light Fixture Schedule on that Drawing; please provide a manufacturer and catalog number for these fixtures.</p>

4.0 Requests for Information (RFIs):

No. Comment/Response

- Response: Refer to revised E5.01 drawing.
- 5 Comment: On Drawing E5.01 there are S^K Switch locations with abcde; is this meant to indicate (5) S^K Switches in a common faceplate?
- Response: No. It's a single switch that shall be programmed to control the zones listed. Where there are multiple switches, they will be indicated with multiple "S's".
- 6 Comment: Note #5 under Electrical General Demolition Notes states "The contractor shall execute all work within the regulations of the building for demolition and removal of debris..."; how can we obtain a copy of these regulations?
- Response: There are no printed regulations. Refer to the special conditions within the specifications for additional information and/or requirements.
- 7 Comment: On Drawing E5.01 Note #20 under Electrical General Notes states "the client will occupy the...existing building during the entire construction period...perform the work so as not to interfere with the client's operations."; how are we to ascertain what the "client's operations" typically are in order to assess what is required of use?
- Response: The "client's operations" is a typical school. Refer to the special conditions within the specifications for additional information and/or requirements.
- 8 Comment: Will the school provide storage of the lockers that need to be reinstalled?
- Response: The contractor is responsible for renting a storage container for the storage of the lockers during the duration of the project.
- 9 Comment: Is there a noise ordinance?
- Response: Yes, the Town of Mamaroneck has a noise ordinance. The hours of the ordinance are as follows: Monday through Friday 8pm-8am, Saturdays not before 9am or after 6pm, and Sundays not before 9am or after 5pm. The noise ordinance is attached to this addendum.
- 10 Comment: Is the work to be completed during school hours or second shift?
- Response: All work is to be completed during the second shift (3pm-11pm) unless the school is closed, and no students are in the building. Saturday and Sundays are available for first and second shift work as well as school holidays, coordinate dates with the district staff.
- 11 Comment: Are the Hand Dryers indicated on Drawing E2.01 meant to be furnished as part of the Electrical Contract or are they to be furnished by the GC Contract?
- Response: Provided and installed by the GC. Wired by the EC.
- 12 Comment: Please advise the finish plates we are to use in each Locker Room; are we to use standard plastic plates or WP in-use plates?
- Response: Refer to revised drawing E2.01. All new wall plates shall be stainless steel.

4.0 Requests for Information (RFIs):

No. Comment/Response

- 13 Comment: On Drawing E1.01 in the Men's Locker Room we are directed to relocate an existing Time Clock "...to a new location indicated on the proposed plan", however, the proposed plan, Drawing E2.01, fails to show the new location; please advise the location for this Time Clock.
- Response: Refer to revised drawing E2.01 for new location.
- 14 Comment: Drawing M6.01 indicates one Freeze Protection Pump in each Penthouse but no such pumps are indicated on any Electrical drawings; please advise.
- Response: Refer to revised E2.02.
- 15 Comment: At today's site visit meeting we were told that all work for this Contract would have to be performed after-hours; please direct us to which spec sections address this requirement.
- Response: Refer to section 010000 – General Requirements subsection 1.6.1 School Operations & Contractor Work Hours.
- 16 Comment: I am not able to locate any of the Asbestos Testing Reports in the project manual. Can you advise how I may obtain those reports?
- Response: The asbestos testing reports will be made as an attachment to this addendum.
- 17 Comment: There is no specifications for fire extinguishers and none are shown on the plans. Please advise.
- Response: Fire extinguishers are not part of the scope of work for this project.
- 18 Comment: In alternate #3 for the GC, there is mention made that the owner will drain the pool. Will the owner fill the pool after completion of work? Who is responsible for paying for the water? Please advise.
- Response: Add Alternate #3 – Grout Pool note has been revised. Pool Cleaning Notes have been added and the contractor shall drain the pool under the supervision of a certified pool operator. The school district is responsible to fill the pool.
- 19 Comment: The GC bid form has alternate 5 as having four doors. The door schedule shows eight doors. Please advise.
- Response: Drawing A2.02 has been revised to include doors D06, D07, D08, and D09.
- 20 Comment: Swimming pool tile grout cannot be removed w/o damaging the tile. Please confirm the existing swimming pool grout can be power washed to remove any loose grout. New epoxy grout can be skim coated on top of existing pool.
- Response: Refer to Pool Power Washing note on drawing A1.03.
- 21 Comment: Please confirm Spectralock epoxy grout by Laticrete is acceptable in lieu of the specified SGM.
- Response: If a substitution is being requested, please follow the instructions in the documents for substitution request and provide a side-by-side comparison of your proposed substitution and verify that it meets or exceeds the basis of design to the specified product.

4.0 Requests for Information (RFIs):

No.	Comment/Response
22	Comment: Please provide spec for Kalwall skylight system. Response: Specification added to this addendum.
23	Comment: Please provide Hardware spec and schedule for the doors. Response: See response to comment #1
24	Comment: Please provide a specification for the Kalwall skylight depicted on drawing A6.05. Response: See response to comment #22
25	Comment: Who is responsible for chopping concrete? Response: The GC is responsible for the chopping of the concrete.
26	Comment: Who is responsible for backfilling and patching concrete? Response: The GC is responsible for backfilling and patching the concrete.
27	Comment: Who is responsible for removing the demoed material and existing piping once its disconnected? Response: PC shall demo existing piping once it is disconnected. Where areas of trenching occur and below slab piping is to be removed, GC to trench, pc to disconnect and remove piping. PC to install new piping where required, and GC to backfill and patch slab.
28	Comment: Is the underground piping allowed to be service weight no-hub piping? Response: Yes, pipe must be cast-iron but can be service no-hub.
29	Comment: Regarding the insurance requirement, is it possible to get only a 2-year warranty on the attached documents? Response: All warranties shall be as outlined in the specifications.
30	Comment: Refer to detail 3 at drawing A6.03, concrete locker base is shown but its tag states "New CMU curb". Please clarify? Response: New locker base is to be a solid grouted CMU. Refer to detail 3/A6.03.
31	Comment: Refer to bid proposal form, page 27/1075, add alternate #87a-5 asks to replace (4) doors from pool into locker rooms. But on drawing A6.01, door schedule shows (8) doors to be replaced. Please clarify? Response: See response #19.
32	Comment: Drawing M1.03 indicates Duct & HVAC above the pool. The pool is to be emptied by owner. Will the mechanical contractor be required/need to get in the empty pool for there work – during our work to access the ceiling line? If so do they fully protect the area? The grouting operation will be on going. Please advise.

4.0 Requests for Information (RFIs):

No. Comment/Response

Response: The pool is to be emptied by the General Contractor under the supervision of a Certified Pool Operator. If required to complete the scope of work, the mechanical contractor may be required to be in the empty pool, and if required, shall be coordinated around the scope of work by all other prime contractors. Each prime contractor shall be responsible for protection of existing conditions and new work while completing their required scope of work.

33 Comment: Where is the "wall coating" going versus the "epoxy coating"? I don't see anything distinguishing which to use where.

Response: The Epoxy Coating (spec section 099656) will be used all places where EPXW is specified on the interior finish schedule.

34 Comment: I am having a hard time distinguishing between floor accent 1 and 2 on the drawings (re: Floor Finish Legend). I don't seem to see any accent 2.

Response: Accent #2 has been removed from the Floor Finish Legend on drawing A9.01.

35 Comment: The drawings indicate showing a Hybri-Flex EC system, but the spec shows a Hybri-Flex AC system. The only difference is the topcoat, but there is a difference in price. Which should I follow?

Response: The Hybri-Flex AC system is the correct system. The drawings have been modified to reflect the correct system.

36 Comment: Bid Drawing A-104 Alternate 3 Note 17 points to 8 Operable Skylights to be removed. It does not state Typical. There appears to be 12 Full+4 Half remaining with no removal note. Bid drawing A2.03 indicate (2) Two of the 8 to be replaced with operable. Will the others be replaced with Fixed 18 Full +4 Half +(2) two operable for a total of 24 panels. Please Clarify

Response: The intent of the drawings is for all Kalwall panels be replaced as part of Add Alternate #4. Operable panels are to be replaced with operable panels. Fixed panels are to be replaced with fixed panels. Fixed skylight sections are to be replaced in like and kind with fixed skylights.

5.0 Clarifications:

No. Comment/Response

N/A

END OF BID ADDENDUM NO. 1

- Attachments: #1 – Town of Mamaroneck Town Code – Chapter 14 – Noise Ordinance
#2 – Asbestos Testing Report
#3 – Specification Sections: 004102-87a-GC – Bid Form, 012100 – Allowances, 012200 - Unit prices, 012300 – Alternates, and 086300 – Insulated Translucent Fiberglass Sandwich Panel System
#4 – Drawings: A1.01, A1.02, A1.03, A2.01, A2.02, A5.01, A6.01, A6.02, A6.03, A7.02, A9.01, P2.01, P2.02, P6.01, E2.01, E2.02, and E5.01

Chapter 141

NOISE

ARTICLE I General Provisions

- § 141-1. Applicability.
- § 141-2. Definitions.
- § 141-3. Amplifying devices.
- § 141-4. Whistles and other noise instruments.
- § 141-5. Domestic power tools and equipment.
- § 141-6. Unnecessary noise.
- § 141-7. Time limitations.

- § 141-8. Penalties for offenses.

ARTICLE II Outdoor Power Tools and Gasoline-Powered Blowers

- § 141-9. Title.
- § 141-10. Purpose.
- § 141-11. Definitions.
- § 141-12. Restrictions.
- § 141-13. Penalties for offenses.

[HISTORY: Adopted by the Town Board of the Town of Mamaroneck as indicated in article histories. Amendments noted where applicable.]

GENERAL REFERENCES

Alarm systems — See Ch. 50.

Firearms — See Ch. 100, Art. I.

Animals — See Ch. 58.

Site plan review — See Ch. 177.

ARTICLE I
General Provisions
[Adopted 2-17-1937 (Ch. 51 of the 1975 Code)]

§ 141-1. Applicability.

This article shall apply only to that part of the Town of Mamaroneck outside of incorporated villages, and whenever and wherever the words "Town of Mamaroneck" are used, such words shall mean the Town of Mamaroneck outside of incorporated villages.

§ 141-2. Definitions.

As used in this article, the following terms shall have the meanings indicated:

PERSON — Includes individuals, copartnerships, corporations and incorporated and joint-stock associations. **[Added 5-3-1939]**

SIDEWALK — That paved portion of a street intended for pedestrian use and lying between the curblineline of the street and the adjacent property line. **[Amended 12-6-1989 by L.L. No. 8-1989]**

STREET — Any street, road or other public way dedicated to and accepted by the Town, including all the area thereof lying within the bounds of the dedicated right-of-way. **[Amended 12-6-1989 by L.L. No. 8-1989]**

VEHICLE — Every device by which any person or property is or may be transported or drawn upon the street.

§ 141-3. Amplifying devices. [Amended 4-21-1954]

No person shall locate radios or similar devices or amplifiers thereof so as to or that may project sound into highways or neighborhoods for advertising or business purposes; and no person owning, occupying or having charge of any building or premises or any part thereof in the Town of Mamaroneck shall cause, suffer or allow any loud, excessive or unusual noise in the operation or use of any radio, phonograph or other mechanical or electrical or reproducing device, instrument or machine, which loud, excessive and unusual noise shall disturb the comfort, peace and quiet of persons in the vicinity. The playing, using, operating or permitting to be played, used or operated of any radio, receiving set, musical instrument, phonograph, loudspeaker, sound amplifier or other machine or device for the producing or reproducing of sound, which is cast upon the public streets from any sound truck or vehicle, for the purpose of commercial advertising or attracting the attention of the public, shall be unlawful and is hereby prohibited.

§ 141-4. Whistles and other noise instruments.

No steam whistle or other whistle or horn or other instrument for making a noise which is operated by steam or any other power shall be blown or operated within the limits of the Town of Mamaroneck at any hour of the day or night, except only the alarm of vehicles of the Fire and Police Departments, all fire and burglar alarms and the alarm of automobiles, bicycles or motorcycles while actually traveling through the Town and except also church and school bells. The alarm of automobiles, bicycles and motorcycles shall not be operated continuously but only with sufficient frequency to warn persons of their approach. The use of sirens on motor vehicles and bicycles within the Town limits is hereby prohibited. No motor vehicle shall be operated in the Town unless it is provided with a proper and suitable muffler, and such muffler

1. Editor's Note: The definition of "park, parking or parked" was repealed 12-6-1989 by L.L. No. 8-1989.

shall not be opened at any time while said motor vehicle is in operation.

§ 141-5. Domestic power tools and equipment. [Added 12-6-1989 by L.L. No. 8-1989]

No person shall operate or permit to be operated any power tool or equipment, including but not limited to saws, sanders, drills, grinders, tractors, chain saws, lawn or garden tools, mowers, leaf blowers or gatherers or similar devices or wood chippers of any kind, when used outdoors in a residentially zoned district as provided in § 141-7 below.

§ 141-6. Unnecessary noise.

All noises that menace the health or disturb the peace and quiet of the Town are prohibited at any time of the day or night.

§ 141-7. Time limitations. [Added 9-17-1986 by L.L. No. 10-1986]

Except under emergency circumstances and with the exception of the operations of the Town government, no person, firm or corporation may operate any machine, construction equipment or other similar device that makes noise which carries beyond the boundaries of the property on which it is located or being used or, if a part of a multifamily dwelling, the confines of the dwelling unit, between the hours of 8:00 p.m. and 8:00 a.m. Monday through Friday, not before 9:00 a.m. and not after 6:00 p.m. on Saturdays and not before 9:00 a.m. and not after 5:00 p.m. on Sundays, nor may any such device be operated on a public road except for the purposes of transporting the same from one place to another.

§ 141-8. Penalties for offenses. [Amended 12-17-1953; 10-20-1954; 12-6-1989 by L.L. No. 8-1989]

Any person or persons, association, firm or corporation who shall violate any of the provisions of this article shall be guilty of an offense and shall be punishable by a fine of not more than \$250 or by imprisonment for not more than 15 days, or both.

ARTICLE II

Outdoor Power Tools and Gasoline-Powered Blowers
[Adopted 4-19-1995 by L.L. No. 6-1995]**§ 141-9. Title.**

This article shall be known as "Restrictions on Outdoor Power Tools and Gasoline-Powered Blowers."

§ 141-10. Purpose.

The purpose of this article is to reduce noise which is disturbing to individuals in their homes, on their property and in their workplaces. Noise from certain equipment, used out of doors, causes inconvenience to occupants of nearby property when such equipment is used during certain hours. Further, gasoline-powered blowers originally designed for leaf pickup for limited portions of the year are now utilized all year. Repeated statements by residents over a six-year period demonstrate the year-round use of gasoline-powered blowers has expanded to the extent that the blowers cause a nearly constant intrusion on the peace and quiet of the community, diminishing the quality of life in our community. The unacceptable noise levels produced by the year-round use of gasoline-powered blowers is particularly disturbing during the warmer weather, when residents spend longer periods out of doors and windows and doors are open. This Town Board finds the noise from gasoline-powered blowers impacts adversely upon the health and welfare of the community.

§ 141-11. Definitions.

As used in this article, the following terms shall have the meanings indicated:

GASOLINE-POWERED LEAF BLOWER — Any device powered by an internal combustion engine which discharges a stream of forced air and which is used or designed to move grass, leaves, clippings, dust, dirt or other matter by blowing them with air emitted by such device.

§ 141-12. Restrictions.

- A. It shall be unlawful for any person to operate any power tool or equipment powered by an internal combustion engine before the hour of 8:00 a.m. and after the hour of 9:00 p.m. on any weekday and before 10:00 a.m. and after 5:00 p.m. on Saturdays, Sundays and legal holidays; except for emergency repairs by municipalities, school districts and/or utility companies and for a period of up to five days following storms for purposes of removing snow and debris resulting from such storms.
- B. The use of gasoline-powered leaf blowers shall be unlawful in the Town during the period from June 1 through September 30 of each year. This section shall not apply to utility companies, municipal and/or school district emergency operations and for a period of up to five days following storms for purposes of removing debris resulting from such storms. **[Amended 2-7-1996 by L.L. No. 2-1996]**

§ 141-13. Penalties for offenses. [Amended 6-7-2017 by L.L. No. 7-2017]

Any person, firm, association or corporation who violates any provision of this article shall be guilty of an offense and upon conviction shall be punished as follows:

- A. For the first offense during a calendar year, with a fine of not less than \$125 and not more than \$250;
- B. For a second offense during the same calendar year, with a fine of not less than \$250 and not more than \$500; and

C. For additional offenses during the same calendar year, with a fine of \$500.



Quality Environmental Solutions & Technologies, Inc.

**PRE-RENOVATION SURVEY REPORT
FOR
ASBESTOS-CONTAINING MATERIALS (ACM)
&
LEAD-BASED PAINTS (LBP)**

Prepared for:

**MAMARONECK CENTRAL SCHOOL DISTRICT
1000 West Boston Post Road
Mamaroneck, NY 10543**

at

**HOMMOCKS MIDDLE SCHOOL
130 Hommock Road
Larchmont, NY 10543**

June 20, 2024

QuES&T Project #24-6043

QuES&T

Quality Environmental Solutions & Technologies, Inc.

Mamaroneck Central School District
1000 West Boston Road
Mamaroneck, NY 10543

ATTN: Steve Brugge

Via E-mail: sbrugge@mamkschools.org

Re: Hommocks Middle School – Swimming Pool
Pre-Renovation Asbestos & Lead
QuES&T Project #24-6043

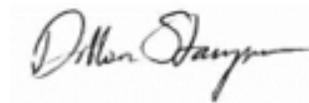
Dear Mr. Brugge,

Attached is the Pre-Renovation Inspection Report for Asbestos-containing Materials (ACM) and Lead-Based Paints (LBP) identified throughout areas included within the above-referenced location(s) by **Quality Environmental Solutions & Technologies, Inc. (QuES&T)**. The inspection included visual assessment of the location in question, and representative sampling, as required, in compliance with the requirements of all applicable federal, state, and local regulations.

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 Mamaroneck Central School District in the environmental services area.

Sincerely,



Dillon Stamper
Field Technician

NYS/AHERA Inspector/Project Monitor
Cert. #AH 24-6LUH4-SHAB
XRF Technician



QuES&T

Quality Environmental Solutions & Technologies, Inc.

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EXECUTIVE SUMMARY

Quality Environmental Solutions & Technologies, Inc. (**QuES&T**) was retained by Mamaroneck Central School District to conduct a Pre-Renovation Survey for the presence of Asbestos-containing Materials (ACM) and Lead-based Paints (LBP), in support of a future renovation project of the Swimming Pool, located at Hommocks Middle School – Swimming Pool, 130 Hommocks Road, Larchmont, NY 10543.

The survey included a visual inspection/assessment for suspect hazardous material(s), as detailed above, which are likely to be affected by planned demolition/renovations/construction activities. Inspection and sampling were limited to areas/materials slated for demolition/renovation/construction.

The survey was conducted by **QuES&T** personnel on June 1st, 2024. Asbestos and Lead inspections and/or sampling were conducted by NYSDOL Asbestos Inspector(s) Shannon D. Talsma (Cert. #AH 23-61PEC-SHAB), and Dillon T. Stamper (Cert. #AH 24-6LUH4-SHAB). The lead survey was conducted by XRF Technicians Mr. Shannon D. Talsma (Cert. #AH 23-61PEC-SHAB), and Mr. Dillon T. Stamper (Cert. #AH 24-6LUH4-SHAB), utilizing X-Ray Fluorescence Technology (XRF).

ASBESTOS

Laboratory analysis and/or existing sampling data indicated the following materials as Asbestos-containing Materials (greater than 1% asbestos) (**Refer to Table I & Appendix A for details and locations**)

***** No Asbestos-Containing Materials identified upon Polarized Light Microscopy (PLM), Polarized Light Microscopy-NOB (PLM-NOB) and/or Quantitative Transmission Electron Microscopy (QTEM) analysis methods. *****

LEAD

Based on review of the data generated by the Viken Pb200e Serial #3553, the following surfaces within the scope of work were identified as lead based as defined by HUD/EPA (equal to or in excess of 1.0 milligram per square centimeter) (**Refer to Table II & Appendix B for details**):

***** No Lead-Based Paint identified equal to or in excess of 1.0 milligrams per square centimeter. *****

It should be noted that several components tested did in fact contain minimal lead-levels below the EPA threshold level of 1.0 mg/sq. cm for classification as Lead-Based Paint (LBP) and are considered lead-containing coatings by the OSHA Regulation, “Lead Exposure in Construction” (29 CFR 1926.62). OSHA does not recognize a minimum limit for lead concentrations in paint for the purposes of disturbance. Monitoring of workers performing demolition/cleaning/disturbance of painted surfaces shall be completed to document personnel occupational exposure. Items containing any amount of lead concentration are considered lead-containing coatings per 29 CFR 1926.62, OSHA Lead Exposure in Construction.

1.0 INTRODUCTION:

Quality Environmental Solutions & Technologies, Inc. (**QuES&T**) performed a Pre-Renovation Survey for the presence of Asbestos-containing Materials (ACM), Lead-based Paint (LBP) in conformance with the requirements of all applicable federal, state, and local regulations. The survey included a visual inspection/assessment, and representative sampling of suspect hazardous materials, as required, throughout accessible interior and exterior locations to be affected by future renovations of the Hommocks Middle School Pool Locker Rooms located at 130 Hommocks Road, Larchmont, NY 10543.

Certified **QuES&T** personnel, Dillon T. Stamper, and Shannon D. Talsma conducted field inspection(s) on June 1st, 2024. **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/or condition, as applicable, of all accessible installed 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, LBP 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.

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.

2.0 ASBESTOS SURVEY:

2.1 INSPECTION SUMMARY

QuES&T performed a Pre-Renovation Survey, in conformance with Title 12 NYCRR Part 56-5.1, for Mamaroneck Union Free School District in support of the renovation project at Hommocks Middle School Swimming Pool located at 130 Hommocks Road, Larchmont, NY. The survey included a visual inspection / assessment for Presumed Asbestos-containing Materials (PACM) and suspect miscellaneous Asbestos-containing Materials (ACM) throughout accessible interior and exterior locations to be affected by future renovations, as detailed above.

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.

2.2 SAMPLE COLLECTION & ANALYTIAL PROCEDURES

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 – Mortar, Cementitious Block, Ceramic Wall Tile, Grout, Brick, Adhesive
- Ceiling Materials – Ceiling Tile
- Flooring Materials – Cementitious Slab, Epoxy/Ceramic Floor Tile/Grout, Epoxy, Adhesive, Vapor Barrier
- Miscellaneous Materials – Caulk

Certified **QuES&T** personnel (Appendix C), Dillon T. Stamper (Cert. #AH 24-6LUH4-SHAB) and Shannon D. Talsma (Cert. #AH 23-61PEC-SHAB) performed visual assessments throughout interior and exterior construction areas. A total of fifty-six (**56**) samples of installed and accessible suspect building materials were analyzed by a laboratory approved under the NYSDOH ELAP. Twenty-four (**24**) samples were analyzed using Polarized Light Microscopy (PLM) for friable materials; sixteen (**16**) samples were analyzed using Polarized Light Microscopy (PLM-NOB) for non-friable organically bound materials; and sixteen (16) samples were analyzed by Confirmatory-QTEM following negative-determinations using PLM-NOB protocols.

2.3 IDENTIFIED ASBESTOS-CONTAINING MATERIALS (ACM)

TABLE I: IDENTIFIED ACM Hommocks Middle School – Swimming Pool 130 Hommocks Road Larchmont, NY 10543 (Refer to Appendix A for details)				
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	Approximate Quantity	Friable?	Condition
No Asbestos-Containing Materials identified upon Polarized Light Microscopy (PLM), Polarized Light Microscopy-NOB (PLM-NOB) and/or Quantitative Transmission Electron Microscopy (QTEM) analysis.				

3.0 LEAD SURVEY:

3.1 INSPECTION SUMMARY

QuES&T conducted a Limited Pre-Renovation Lead Survey, utilizing X-Ray Fluorescence Technology (XRF), throughout specific interior areas of Hommocks Middle School Swimming Pool located at 130 Hommocks Road, Larchmont, NY 10543, in support of a future renovation project. The survey was limited to specific accessible, representative building components & immovable objects, potentially affected by scheduled renovation/construction activities.

XRF Technician(s) Dillon T. Stamper (Cert. #AH 24-6LUH4-SHAB), and Shannon D. Talsma (Cert. #AH 23-61PEC-SHAB) of QuES&T, collected a total of twenty-seven (27) samples (including calibrations) on June 1st, 2024.

3.2 IDENTIFIED LEAD-BASED PAINT(S) (LBP)

Based on review of the data generated by the Viken Pb200e Serial #3553 , the following surfaces tested were identified as lead based as defined by HUD/EPA (equal to or in excess of 1.0 milligram per square centimeter):

TABLE II: IDENTIFIED LEAD-BASED PAINT					
Hommocks Middle School – Swimming Pool					
130 Hommocks Road					
Larchmont, NY 10543					
(CONSTRUCTION AREAS)					
Location	LBP Component	Substrate	Color	LBP Condition	Approximate Quantity
*** No Lead-Based Paint identified equal to or in excess of 1.0 milligrams per square centimeter.***					
<p>NOTE: Locations and quantities of identified LBP’s are limited to areas potentially affected by future renovation activities. Surfaces/components with LBP’s may exist in other spaces not included in this scope of work.</p>					

It should be noted that several components tested did in fact contain minimal lead-levels below the EPA threshold level of 1.0 mg/sq. cm for classification as Lead-Based Paint (LBP) and are considered lead-containing coatings by the OSHA Regulation, “Lead Exposure in Construction” (29 CFR 1926.62). OSHA does not recognize a minimum limit for lead concentrations in paint for the purposes of disturbance. Monitoring of workers performing demolition/cleaning/disturbance of painted surfaces shall be completed to document personnel occupational exposure. Items containing any amount of lead concentration are considered lead-containing coatings per 29 CFR 1926.62, OSHA Lead Exposure in Construction.

4.0 RECOMMENDATIONS:

4.1 ASBESTOS

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 are 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.

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.

4.2 LEAD

In addition to any identified Lead-based Paints (LBP), several components tested did in fact contain minimal lead-levels below the EPA threshold level of 1.0 mg/sq. cm for classification as LBP and are considered lead-containing coatings by the OSHA Regulation, "Lead Exposure in Construction" (29 CFR 1926.62). OSHA does not recognize a minimum limit for lead concentrations in paint for the purposes of disturbance. Monitoring of workers performing demolition/cleaning/disturbance of painted surfaces shall be completed to document personnel occupational exposure. Items containing any amount of lead concentration are considered lead-containing coatings per 29 CFR 1926.62, OSHA Lead Exposure in Construction.

Activities involving the disturbance of LBP in homes, child-occupied facilities, and/or pre-schools built before 1978 must follow the requirements outlined by EPA regulations (40 CFR 745).

In areas where demolition and/or renovations are to occur and lead is present, the demolition debris waste stream should be further analyzed during segregation for compliance with EPA regulations to ensure proper disposal. TCLP testing can be performed prior to waste segregation, but results may not be indicative of the actual waste streams produced during demolition.

5.0 DISCLAIMERS

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.

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 regulated materials 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:

SAMPLE LOCATIONS & ANALYTICAL DATA

Date: 7/23/2024 Version #: 1

Issued For: Asbestos Survey

QuES&T Project #: 24-6043

Project Manager: TM Prepared By: DS



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

CLIENT

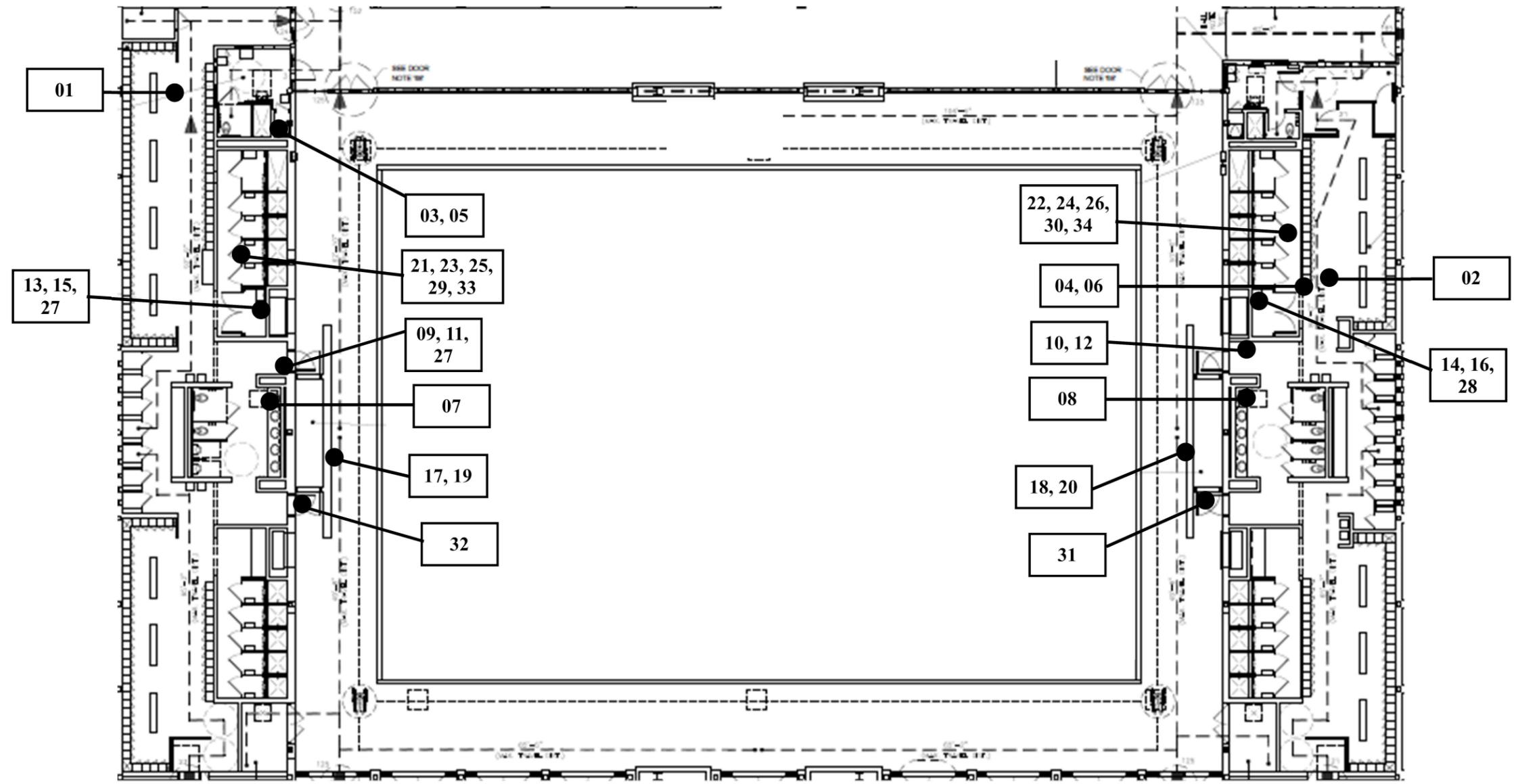
Mamaroneck UFSD 1000 West Boston Post Road Mamaroneck, NY 10543

PROJECT LOCATION

Hommocks Middle School 130 Hommock Road Larchmont, NY 10543

Pool Area + Locker Rooms

SL-01



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.

SAMPLE LOCATION KEY	
●	Sample Location

Date: 7/23/2024 Version #: 1

Issued For: Asbestos Survey

QuES&T Project #: 24-6043

Project Manager: TM

Prepared By: DS



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

CLIENT

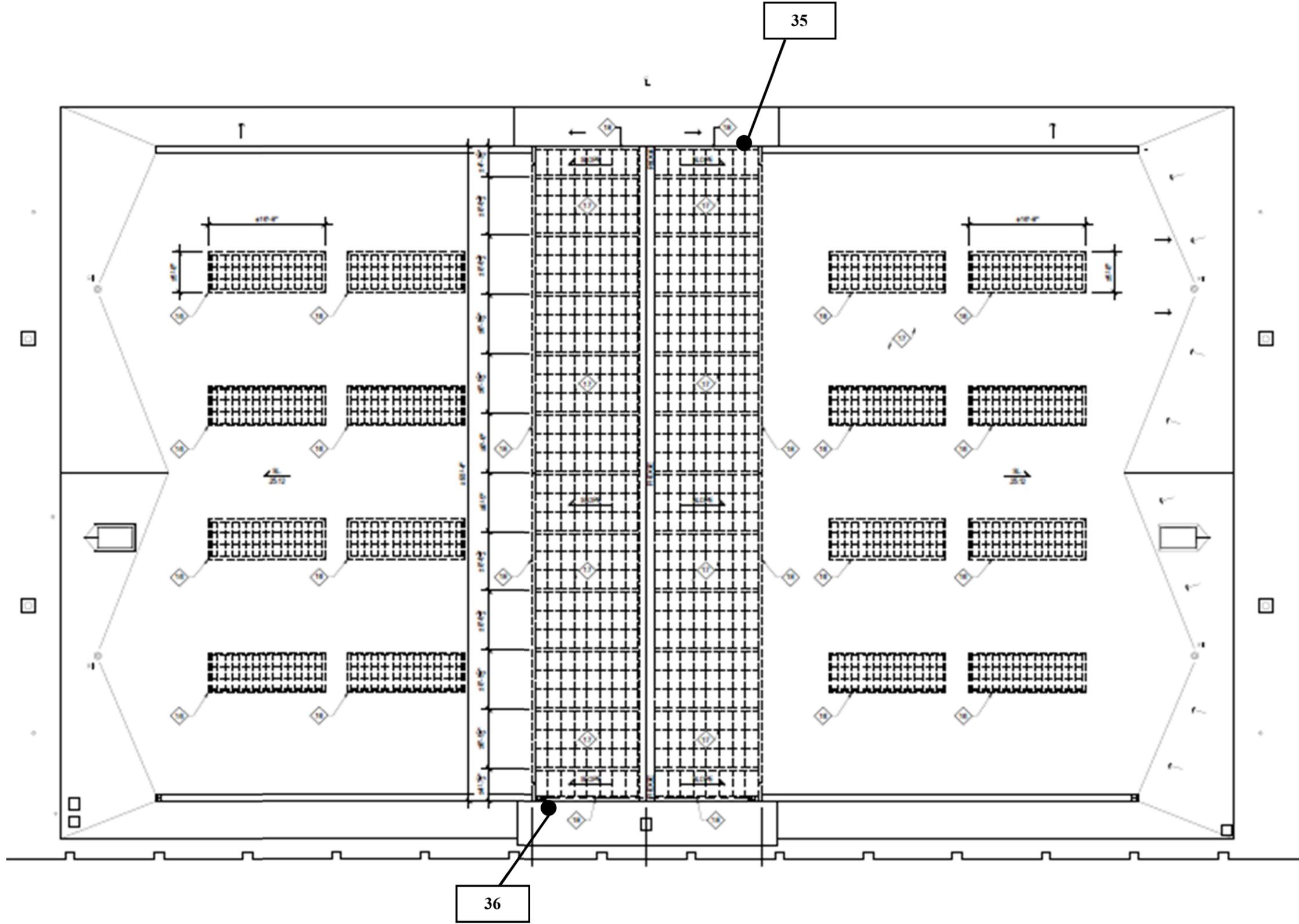
Mamaroneck UFSD 1000 West Boston Post Road Mamaroneck, NY 10543

PROJECT LOCATION

Hommocks Middle School 130 Hommock Road Larchmont, NY 10543

Pool Area Roof

SL-02



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.

SAMPLE LOCATION KEY	
●	Sample Location



Bulk Sample Results

RE: CPN 246043 - Mamaroneck UFSD - Hommocks MS - Pool Survey - MS Pool - 130 Hommocks Road - Larchmont, NY

Date Collected : 06/01/2024
Collected By : S. Talsma/D. Stamper
Date Received : 06/04/2024
Date Analyzed : 06/06/2024
Analyzed By : George Htay

Client: QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature : [Handwritten Signature]

Analytical Method : NYS-DOH 198.1
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851

Paul Stascavage [Handwritten Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description. Rows include sample IDs 6043-03, 6043-04, 6043-05, 6043-06 and their corresponding details.

Table with 5 columns: Method of Quantification, Scanning Option. Rows include Appearance (Layered, Homogenous, Fibrous, Color) and Scanning Option (No, Yes, Gray, Gray/Black).

Table with 5 columns: Sample Treatment, Scanning Option. Rows include Asbestos Content (% Amosite, % Chrysotile, % Other, % Total Asbestos) and Other Fibrous Materials (% Fibrous Glass, % Cellulose, % Other, % Unidentified) with percentages.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. ND - Not Detected. Reporting Limit is <1%.



Bulk Sample Results

RE: CPN 246043 - Mamaroneck UFSD - Hommocks MS - Pool Survey - MS Pool - 130 Hommocks Road - Larchmont, NY

Date Collected : 06/01/2024
Collected By : S. Talsma/D. Stamper
Date Received : 06/04/2024
Date Analyzed : 06/06/2024
Analyzed By : George Htay

Client: QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature : [Handwritten Signature]

Analytical Method : NYS-DOH 198.1
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851

Paul Stascavage [Handwritten Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description. Rows include sample IDs 6043-07, 6043-08, 6043-09, 6043-10 and their corresponding lab IDs and locations.

Table with 5 columns: Method of Quantification, Scanning Option. Rows include Appearance (Layered, Homogenous, Fibrous, Color) and Scanning Option (Yes/No/White/Blue).

Table with 5 columns: Sample Treatment, Homogenized. Rows include Asbestos Content (% Amosite, % Chrysotile, % Other, % Total Asbestos) and Other Fibrous Materials Present (% Fibrous Glass, % Cellulose, % Other, % Unidentified).

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. ND - Not Detected. Reporting Limit is <1%.



Bulk Sample Results

RE: CPN 246043 - Mamaroneck UFSD - Hommocks MS - Pool Survey - MS Pool - 130 Hommocks Road - Larchmont, NY

Date Collected : 06/01/2024
Collected By : S. Talsma/D. Stamper
Date Received : 06/04/2024
Date Analyzed : 06/06/2024
Analyzed By : George Htay

Client: QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature : [Handwritten Signature]

Analytical Method : NYS-DOH 198.1
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851

Paul Stascavage [Handwritten Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description. Rows include sample IDs 6043-11, 6043-12, 6043-13, 6043-14 and their corresponding details.

Table with 5 columns: Method of Quantification, Scanning Option. Rows include Appearance (Layered, Homogenous, Fibrous, Color) and Scanning Option (No, Yes, Gray, White).

Table with 5 columns: Sample Treatment, Homogenized. Rows include Asbestos Content (% Amosite, % Chrysotile, % Other, % Total Asbestos) and Other Fibrous Materials Present (% Fibrous Glass, % Cellulose, % Other, % Unidentified).

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. ND - Not Detected. Reporting Limit is <1%.



Bulk Sample Results

RE: CPN 246043 - Mamaroneck UFSD - Hommocks MS - Pool Survey - MS Pool - 130 Hommocks Road - Larchmont, NY

Date Collected : 06/01/2024
Collected By : S. Talsma/D. Stamper
Date Received : 06/04/2024
Date Analyzed : 06/06/2024
Analyzed By : George Htay

Client: QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature : [Handwritten Signature]

Analytical Method : NYS-DOH 198.1
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851

Paul Stascavage [Handwritten Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description. Rows include sample IDs 6043-15, 6043-16, 6043-17, 6043-18 and their corresponding lab IDs, locations, and descriptions.

Table with 5 columns: Method of Quantification, Scanning Option. Rows include Appearance (Layered, Homogenous, Fibrous, Color) and Scanning Option (Yes/No/White/Gray).

Table with 5 columns: Sample Treatment, Homogenized. Rows include Asbestos Content (% Amosite, % Chrysotile, % Other, % Total Asbestos) and Other Fibrous Materials Present (% Fibrous Glass, % Cellulose, % Other, % Unidentified) for Non-Fibrous Materials Present (% Silicates, % Carbonates, % Other, % Unidentified).

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. ND - Not Detected. Reporting Limit is <1%. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government. These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy ± 17%. Samples received in acceptable condition unless otherwise noted. AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



Bulk Sample Results

RE: CPN 246043 - Mamaroneck UFSD - Hommocks MS - Pool Survey - MS Pool - 130 Hommocks Road - Larchmont, NY

Date Collected : 06/01/2024
Collected By : S. Talsma/D. Stamper
Date Received : 06/04/2024
Date Analyzed : 06/06/2024
Analyzed By : George Htay

Client: QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature : [Handwritten Signature]

Analytical Method : NYS-DOH 198.1
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851

Paul Stascavage [Handwritten Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description. Rows include sample IDs 6043-19, 6043-20, 6043-21, 6043-22 and their corresponding lab IDs, locations, and descriptions.

Table with 5 columns: Method of Quantification, Scanning Option. Rows include Appearance (Layered, Homogenous, Fibrous, Color) and Scanning Option (No, Yes, Rust, Gray/Brown).

Table with 5 columns: Sample Treatment, Homogenized. Rows include Asbestos Content (% Amosite, % Chrysotile, % Other, % Total Asbestos) and Other Fibrous Materials Present (% Fibrous Glass, % Cellulose, % Other, % Unidentified) for Non-Fibrous Materials Present (% Silicates, % Carbonates, % Other, % Unidentified).

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. ND - Not Detected. Reporting Limit is <1%. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government. These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy ± 17%. Samples received in acceptable condition unless otherwise noted. AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



Bulk Sample Results

RE: CPN 246043 - Mamaroneck UFSD - Hommocks MS - Pool Survey - MS Pool - 130 Hommocks Road - Larchmont, NY

Date Collected : 06/01/2024
Collected By : S. Talsma/D. Stamper
Date Received : 06/04/2024
Date Analyzed : 06/06/2024
Analyzed By : George Htay

Client: QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature : [Handwritten Signature]

Analytical Method : NYS-DOH 198.1
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851

Paul Stascavage [Handwritten Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Method of Quantification, Appearance, Sample Treatment, Asbestos Content, Other Fibrous Materials, Non-Fibrous Materials. Rows include sample details for IDs 6043-23, 6043-23, 6043-24, and 6043-24.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. ND - Not Detected. Reporting Limit is <1%. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government. These Results Can Not Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing. Overall Lab Accuracy ± 17%. Samples received in acceptable condition unless otherwise noted. AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



Bulk Sample Results

RE: CPN 246043 - Mamaroneck UFSD - Hommocks MS - Pool Survey - MS Pool - 130 Hommocks Road - Larchmont, NY

Date Collected : 06/01/2024
Collected By : S. Talsma/D. Stamper
Date Received : 06/04/2024
Date Analyzed : 06/06/2024
Analyzed By : George Htay

Client QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature : [Signature]
Analytical Method : NYS-DOH 198.6
NVLAP Lab No. 101646-0 (Testing)
NVLAP Lab Code : 10851
Paul Stascavage [Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Analytical Method, Appearance, Asbestos Content, Other Materials Present. Rows include data for samples 6043-01, 6043-02, 6043-23, and 6043-24.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. Samples received in acceptable condition unless otherwise noted. ND = Not Detected. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government.



Bulk Sample Results

RE: CPN 246043 - Mamaroneck UFSD - Hommocks MS - Pool Survey - MS Pool - 130 Hommocks Road - Larchmont, NY

Date Collected : 06/01/2024
Collected By : S. Talsma/D. Stamper
Date Received : 06/04/2024
Date Analyzed : 06/06/2024
Analyzed By : George Htay

Client QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature : [Signature]
Analytical Method : NYS-DOH 198.6
NVLAP Lab No. 101646-0 (Testing)
NVLAP Lab Code : 10851
Paul Stascavage [Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description. Rows include data for samples 6043-25, 6043-26, 6043-27, and 6043-28.

Table with 5 columns: Analytical Method, Appearance, Layered, Homogenous, Fibrous, Color. Rows include data for NOB Plm with various appearance characteristics.

Table with 5 columns: Asbestos Content, Other Materials Present, % Amosite, % Chrysotile, % Other, % Total Asbestos, % Organic, % Carbonates, % Other Inorganic. Rows include data for various asbestos and organic material percentages.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. Samples received in acceptable condition unless otherwise noted. ND = Not Detected. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government. These Results Cannot Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing (Unless % Other Inorganic, As Reported Above, Is Less Than One Percent). This method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite. AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



Bulk Sample Results

RE: CPN 246043 - Mamaroneck UFSD - Hommocks MS - Pool Survey - MS Pool - 130 Hommocks Road - Larchmont, NY

Date Collected : 06/01/2024
Collected By : S. Talsma/D. Stamper
Date Received : 06/04/2024
Date Analyzed : 06/06/2024
Analyzed By : George Htay

Client QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature : [Signature]

Analytical Method : NYS-DOH 198.6
NVLAP Lab No. 101646-0 (Testing)
NVLAP Lab Code : 10851

Paul Stascavage [Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description. Rows include data for samples 6043-29, 6043-30, 6043-31, and 6043-32.

Table with 5 columns: Analytical Method, Appearance, Layered, Homogenous, Fibrous, Color. Rows include data for NOB Plm tests.

Table with 5 columns: Asbestos Content, Other Materials Present. Rows include % Amosite, % Chrysotile, % Other, % Total Asbestos, % Organic, % Carbonates, % Other Inorganic.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. Samples received in acceptable condition unless otherwise noted. ND = Not Detected. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government. These Results Cannot Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing (Unless % Other Inorganic, As Reported Above, Is Less Than One Percent). This method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite. AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



Bulk Sample Results

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1376 Route 9
Wappingers Falls, NY 12590

Signature : [Handwritten Signature]

Analytical Method : NYS-DOH 198.6
NVLAP Lab No. 101646-0 (Testing)
NVLAP Lab Code : 10851

Paul Stascavage [Handwritten Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description. Rows include sample IDs 6043-33, 6043-34, 6043-35, and 6043-36.

Table with 5 columns: Analytical Method, Appearance, Layered, Homogenous, Fibrous, Color. Rows include NOB Plm and various appearance characteristics.

Table with 5 columns: Asbestos Content, % Amosite, % Chrysotile, % Other, % Total Asbestos, Other Materials Present, % Organic, % Carbonates, % Other Inorganic. Rows include ND, Inconclusive, 86.0, 3.5, 10.5, 58.3, 16.4, 25.3, 34.5, 47.4, 18.1, 33.2, 47.4, 19.4.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. Samples received in acceptable condition unless otherwise noted. ND = Not Detected. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government. These Results Cannot Be Used To Claim That NOB Items Tested Are Non-Asbestos Containing (Unless "% Other Inorganic", As Reported Above, Is Less Than One Percent). This method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite. AIHA LAP, LLC No. 100263 Rhode Island DOH No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936



Bulk Sample Results

RE: CPN 246043 - Mamaroneck UFSD - Hommocks MS - Pool Survey - MS Pool - 130 Hommocks Road - Larchmont, NY

Date Collected : 06/01/2024
Collected By : S. Talsma/D. Stamper
Date Received : 06/04/2024
Date Analyzed : 06/07/2024
Analyzed By : Fahrudin Lalic

Client QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature : [Signature]
Analytical Method : NYS-DOH 198.4
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851
Paul Stascavage [Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description, Analytical Method, Appearance, Asbestos Content, Other Materials Present. Rows include data for samples 6043-01, 6043-02, 6043-23, and 6043-24.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. Samples received in acceptable condition unless otherwise noted. ND = Not Detected. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government.



Bulk Sample Results

RE: CPN 246043 - Mamaroneck UFSD - Hommocks MS - Pool Survey - MS Pool - 130 Hommocks Road - Larchmont, NY

Date Collected : 06/01/2024
Collected By : S. Talsma/D. Stamper
Date Received : 06/04/2024
Date Analyzed : 06/07/2024
Analyzed By : Fahrudin Lalic

Client QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature : [Signature]
Analytical Method : NYS-DOH 198.4
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851
Paul Stascavage [Signature], Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description. Rows include data for samples 6043-25, 6043-26, 6043-27, and 6043-28.

Table with 5 columns: Analytical Method, Appearance, Layered, Homogenous, Fibrous, Color. Rows include data for NOB Tem and various appearance characteristics.

Table with 5 columns: Asbestos Content, Other Materials Present, % Amosite, % Chrysotile, % Other, % Total Asbestos, % Organic, % Carbonates, % Other Inorganic. Rows include data for asbestos and other materials.

Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. Samples received in acceptable condition unless otherwise noted. ND = Not Detected. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government.



Bulk Sample Results

RE: CPN 246043 - Mamaroneck UFSD - Hommocks MS - Pool Survey - MS Pool - 130 Hommocks Road - Larchmont, NY

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Collected By : S. Talsma/D. Stamper
Date Received : 06/04/2024
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Analyzed By : Fahrudin Lalic

Client QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature :
Analytical Method : NYS-DOH 198.4
NVLAP Lab Code : 101646-0 (Testing)
NYS Lab No. 10851
Paul Stascavage, Lab Director

Table with 5 columns: Sample ID Number, Layer Number, Lab ID Number, Sample Location, Sample Description. Rows include data for samples 6043-29, 6043-30, 6043-31, and 6043-32.

Table with 5 columns: Analytical Method, Appearance, Layered, Homogenous, Fibrous, Color. Rows include data for NOB Tem analysis.

Table with 5 columns: Asbestos Content, Other Materials Present, % Amosite, % Chrysotile, % Other, % Total Asbestos, % Organic, % Carbonates, % Other Inorganic. Rows include data for asbestos and organic materials.

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Bulk Sample Results

RE: CPN 246043 - Mamaroneck UFSD - Hommocks MS - Pool Survey - MS Pool - 130 Hommocks Road - Larchmont, NY

Date Collected : 06/01/2024
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1376 Route 9
Wappingers Falls, NY 12590

Signature :
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Results Applicable To Those Items Tested. Report Cannot be Reproduced, Except Entirely, Without Written Approval of the Laboratory. Samples received in acceptable condition unless otherwise noted. ND = Not Detected. Liability Limited To Cost Of Analysis. This Report Must Not be Used by the Client to Claim Product Endorsement by NVLAP or Any Agency of the US Government.

Quality Environmental Solutions and Technologies, Inc.
Bulk Sample Chain of Custody

CLIENT: Mamaroneck UFSD
 ADDRESS: 1000 Boston Post Road
 Mamaroneck, NY 10543
 CONTACT: Steve Brugge

PROJECT #: 24-6043
 SAMPLED BY: S. Talsma/D. Stamper

DATE SAMPLED: 1-Jun-24
 STATE SAMPLED IN: NY
 ANALYSIS METHOD: PLM/NOB-PLM/Q-TEM
 TURN-AROUND TIME: 5 DAYS

PROJECT NAME: Hommocks MS Pool Survey
 PROJECT BUILDING: MS Pool
 PROJECT ADDRESS: 130 Hommock Road
 Larchmont, NY 10543

Sample	IIM#	Floor	Space Name/ID #	Location	Material	Results
6043-01		FIRST	Men's Locker Room	Ceiling, Suspended, 2' x 2'	Ceiling Tile	
6043-02		FIRST	Women's Locker Room	Ceiling, Suspended, 2' x 2'	Ceiling Tile	
6043-03		FIRST	Men's Locker Room, Key Room	Wall, Above Suspended Ceiling, On Cementitious Block	Mortar	3004306
6043-04		FIRST	Women's Locker Room	Wall, On Cementitious Block	Mortar	3004307
6043-05		FIRST	Men's Locker Room, Key Room	Wall, Above Suspended Ceiling	Cementitious Block	3004308
6043-06		FIRST	Women's Locker Room	Wall	Cementitious Block	3004309
6043-07		FIRST	Men's Locker Room	Sink Area, Wall, On Cementitious Block, Blue	Ceramic Wall Tile	3004310
6043-08		FIRST	Women's Locker Room	Sink Area, Wall, On Cementitious Block, Blue	Ceramic Wall Tile	3004311
6043-09		FIRST	Men's Locker Room	Above Suspended Ceiling, On Ceramic Wall Tile, White	Grout	3004312
6043-10		FIRST	Women's Locker Room	Above Suspended Ceiling, On Ceramic Wall Tile, White	Grout	3004313
6043-11		FIRST	Men's Locker Room	Locker Area, Above Suspended Ceiling, On Cementitious Block, White	Ceramic Wall Tile	3004314
6043-12		FIRST	Women's Locker Room	Locker Area, Above Suspended Ceiling, On Cementitious Block, White	Ceramic Wall Tile	3004315
6043-13		FIRST	Men's Locker Room	Wall, On Large Ceramic Wall Tile, White	Grout	3004316
6043-14		FIRST	Women's Locker Room	Wall, On Large Ceramic Wall Tile, White	Grout	3004317
6043-15		FIRST	Men's Locker Room	On Cementitious Block, White	Ceramic Wall Tile	3004318

AS LABELED ON PAPERWORK
 INITIAL/DATE: MF / 06/06/2024

Comments: _____

SUBMITTED BY: [Signature]

DATE: 04 JUN 2024

RECEIVED BY: [Signature]

JUN 4 '24 20:21

Quality Environmental Solutions and Technologies, Inc.
Bulk Sample Chain of Custody

CLIENT: Mamaroneck UFSD
 ADDRESS: 1000 Boston Post Road
Mamaroneck, NY 10543
 CONTACT: Steve Brugge

PROJECT #: 24-6043
 SAMPLED BY: S. Talsma/D. Stamper

DATE SAMPLED: 1-Jun-24
 STATE SAMPLED IN: NY
 ANALYSIS METHOD: PLM/NOB-PLM/Q-TEM

PROJECT NAME: Hommocks MS Pool Survey
 PROJECT BUILDING: MS Pool
 PROJECT ADDRESS: 130 Hommock Road
Larchmont, NY 10543

TURN-AROUND TIME: 5 DAYS

Sample	HM#	Floor	Space Name/ID #	Location	Material	Results
6043-16		FIRST	Women's Locker Room	On Cementitious Block, White	Ceramic Wall Tile	3004319
6043-17		FIRST	Men's Locker Room, Pool Area	Wall, Partition, On Brick	Mortar	3004320
6043-18		FIRST	Women's Locker Room, Pool Area	Wall, Partition, On Brick	Mortar	3004321
6043-19		FIRST	Men's Locker Room, Pool Area	Wall, Partition	Brick	3004322
6043-20		FIRST	Women's Locker Room, Pool Area	Wall, Partition	Brick	3004323
6043-21		FIRST	Men's Locker Room	Floor, Under Epoxy and Ceramic Floor Tile	Cementitious Slab	3004324
6043-22		FIRST	Women's Locker Room	Floor, Under Epoxy and Ceramic Floor Tile	Cementitious Slab	3004325
6043-23		FIRST	Men's Locker Room	Floor, Top Layer and Second Layer	Epoxy, Ceramic Floor Tile and Grout (SEPARATE LAYERS)	3004326
6043-24		FIRST	Women's Locker Room	Floor, Top Layer and Second Layer	Epoxy, Ceramic Floor Tile and Grout (SEPARATE LAYERS)	3004327
6043-25		FIRST	Men's Locker Room	Floor, Top Layer, On Ceramic Floor Tile and Grout	EPOXY	
6043-26		FIRST	Women's Locker Room	Floor, Top Layer, On Ceramic Floor Tile and Grout	EPOXY	
6043-27		FIRST	Men's Locker Room	Above Suspended Ceiling, Wall, On Cementitious Block	Adhesive	
6043-28		FIRST	Women's Locker Room	Above Suspended Ceiling, Wall, On Cementitious Block	Adhesive	
6043-29		FIRST	Men's Locker Room	Floor, Below Epoxy and Ceramic Floor Tile, On Cementitious Slab	Adhesive	
6043-30		FIRST	Women's Locker Room	Floor, Below Epoxy and Ceramic Floor Tile, On Cementitious Slab	Adhesive	

Comments: _____

SUBMITTED BY: *S. Talsma*

DATE: 04 JUN 2024

RECEIVED BY: *M. D. Warner*

JUN 4 '24 20:21
 DATE: _____



Quality Environmental Solutions & Technologies, Inc.

Appendix B:
XRF ANALYTICAL DATA

Limited XRF LBP Testing

Project - #24-6043

<u>Sample</u>	<u>Building/Address</u>	<u>Interior/Exterior</u>	<u>Floor</u>	<u>Space/Room/Description</u>	<u>Object</u>	<u>Component</u>	<u>Substrate</u>	<u>Color</u>	<u>Condition</u>	<u>Result</u>	<u>Pb Concentration (mg/cm²)</u>
1	NIST (<0.01)									Negative	0.1
2	<u>NIST (1.04 +/- 0.06)</u>									<u>Positive</u>	<u>1</u>
3	Hommocks-Swimming Pool	Interior	1st	Men's Locker Room	Wall		CMU	Blue	Intact	Negative	0
4	Hommocks-Swimming Pool	Interior	1st	Men's Locker Room	Door		Wood	Stained	Intact	Negative	0
5	Hommocks-Swimming Pool	Interior	1st	Men's Locker Room	Door	Frame	Metal	Blue	Poor	Negative	0
6	Hommocks-Swimming Pool	Interior	1st	Men's Locker Room	Floor		Concrete	Green	Poor	Negative	0
7	Hommocks-Swimming Pool	Interior	1st	Men's Locker Room - Key Room	Wall		CMU	White	Intact	Negative	0
8	Hommocks-Swimming Pool	Interior	1st	Men's Locker Room	Wall	Wall Tile, 1"x1"	Ceramic	Blue	Intact	Negative	0
9	Hommocks-Swimming Pool	Interior	1st	Men's Locker Room	Wall	Wall Tile, 6"x6"	Ceramic	White	Intact	Negative	0
10	Hommocks-Swimming Pool	Interior	1st	Men's Locker Room	Wall	Wall Tile, 6"x6"	Ceramic	Blue	Intact	Negative	0
11	Hommocks-Swimming Pool	Interior	1st	Men's Locker Room to Pool Area	Door		Metal	Black	Intact	Negative	0
12	Hommocks-Swimming Pool	Interior	1st	Men's Locker Room to Pool Area	Door	Frame	Metal	Brown	Intact	Negative	0
13	Hommocks-Swimming Pool	Interior	1st	Pool Area	Floor		Concrete	Green	Intact	Negative	0
14	Hommocks-Swimming Pool	Interior	1st	Pool Area	Floor	Tile	Ceramic	White	Intact	Negative	0
15	Hommocks-Swimming Pool	Interior	1st	Pool Area to Women's Locker Room	Door		Metal	Black	Intact	Negative	0
16	Hommocks-Swimming Pool	Interior	1st	Pool Area to Women's Locker Room	Door	Frame	Metal	Brown	Intact	Negative	0
17	Hommocks-Swimming Pool	Interior	1st	Women's Locker Room	Wall		Ceramic	White	Intact	Negative	0
18	Hommocks-Swimming Pool	Interior	1st	Women's Locker Room	Wall		Ceramic	Blue	Intact	Negative	0
19	Hommocks-Swimming Pool	Interior	1st	Women's Locker Room	Wall		Ceramic	Blue	Intact	Negative	0
20	Hommocks-Swimming Pool	Interior	1st	Women's Locker Room	Floor		Ceramic	Green	Intact	Negative	0
21	Hommocks-Swimming Pool	Interior	1st	Women's Locker Room	Wall		CMU	Blue	Intact	Negative	0
22	Hommocks-Swimming Pool	Interior	1st	Women's Locker Room, Closet	Wall		CMU	White	Intact	Negative	0
23	Hommocks-Swimming Pool	Interior	1st	Women's Locker Room	Sink	Counter	Stone	Blue	Intact	Negative	0
24	Hommocks-Swimming Pool	Interior	1st	Women's Locker Room	Sink	Basin	Porcelain	White	Intact	Negative	0
25	Hommocks-Swimming Pool	Interior	1st	Women's Locker Room	Toilet		Porcelain	White	Intact	Negative	0
26	NIST (<0.01)									Negative	0.1
<u>27</u>	<u>NIST (1.04 +/- 0.06)</u>									<u>Positive</u>	<u>1</u>



Quality Environmental Solutions & Technologies, Inc.

Appendix C:

LABORATORY, COMPANY, PERSONNEL LICENSES & CERTIFICATIONS

1376 Route 9, Wappingers Falls, NY 12590 Phone (845) 298-6031 Fax (845) 298-6251

NYS MWBD MBE Cert # 49952-2006 NYSUCP DBE Certified NJUCP DBE Certified www.Qualityenv.com



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

Minority Business Enterprise (MBE)

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

Quality Environmental Solutions & Technologies Inc. DBA QuEST

Certification Awarded on: May 13, 2024

Expiration Date: May 13, 2029

File ID#: 49952



WE ARE YOUR DOL



**Department
of Labor**

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

ASBESTOS HANDLING LICENSE

Quality Environmental Solutions & Technologies, Inc.
1376 Route 9, Wappinger Falls, NY, 12590

License Number: 29085

License Class: RESTRICTED

Date of Issue: 12/29/2023

Expiration Date: 01/31/2025

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.

A handwritten signature in black ink, appearing to read "Amy Phillips".

Amy Phillips, Director
For the Commissioner of Labor

EXCELSIOR

United States Environmental Protection Agency

This is to certify that

Quality Environmental Solutions & Technologies,
Inc.

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires November 09, 2024

LBP-119213-2

Certification #

November 09, 2021

Issued On



A handwritten signature in black ink that reads "Michelle Price".

Michelle Price, Chief

Lead, Heavy Metals, and Inorganics Branch

United States Environmental Protection Agency

This is to certify that



Quality Environmental Solutions & Technologies,
Inc.

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint renovation, repair, and painting activities pursuant to 40 CFR Part 745.89

In the Jurisdiction of:

All EPA Administered States, Tribes, and Territories

This certification is valid from the date of issuance and expires December 01, 2026

NAT-119213-3

Certification #

November 09, 2021

Issued On



A handwritten signature in black ink that reads "Michelle Price".

Michelle Price, Chief

Lead, Heavy Metals, and Inorganics Branch

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2025
Issued April 01, 2024

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

*MR. PAUL STASCAVAGE
EAS INC - EASTERN ANALYTICAL SERVICES INC
4 WESTCHESTER PLAZA
ELMSFORD, NY 105231610*

NY Lab Id No: 10851

*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 Mate	Item 198.8 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B

Sample Preparation Methods

EPA 3050B



Serial No.: 68589

Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at <https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/>, by phone (518) 485-5570 or by email to elap@health.ny.gov.

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

N.Y.S.



SHANNON D TALSMA
CLASS(EXPIRES)
C ATEC (10/24) D INSP (10/24)
H PM (10/24)

CERT# 23-61PEC-SHAB
DMV# 963348232

MUST BE CARRIED ON ASBESTOS PROJECTS



01213 007013281 61

IF FOUND, RETURN TO:
NYS DOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12226



12-006010504

This card acknowledges that the recipient has successfully completed:

10-hour Construction Safety and Health

This card issued to:

Shannon D. Talsma

David Veit

04/22/2016

Trainer Name

Date of Issue



732.235.9450
aotc.sph.rutgers.edu

OSHA recommends Outreach Training Courses as an orientation to occupational safety and health for workers. Participation is voluntary. Workers must receive additional training on specific hazards of their job. This course completion card does not expire.

Use or distribution of this card for fraudulent purposes, including false claims of having received training, may result in prosecution under 18 U.S.C. 1001. Potential penalties include substantial criminal fines, imprisonment up to 5 years, or both.



To verify this training, scan the QR code with your mobile device.

Rev. 1/2016

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



DILLON T STAMPER
CLASS(EXPIRES)
C ATEC (12/24) H PM (12/24)
D INSP (12/24)

CERT# 24-6LUH4-SHAB
DMV# 190870975

MUST BE CARRIED ON ASBESTOS PROJECTS



01213 0071 18293 56

IF FOUND, RETURN TO:
NYS DOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12226



20-006275725

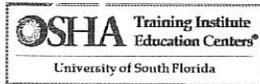
This card acknowledges that the recipient has successfully completed:

10-hour Construction Safety and Health

This card issued to:

Dillon Stamper

Robert Serino	6/28/2022
Trainer Name	Date Issued



813-974-2284
usfotiec-cards@usf.edu

OSHA recommends Outreach Training Courses as an orientation to occupational safety and health for workers. Participation is voluntary. Workers must receive additional training on specific hazards of their job. This course completion card does not expire.

Use or distribution of this card for fraudulent purposes, including false claims of having received training, may result in prosecution under 18 U.S.C. 1001. Potential penalties include substantial criminal fines, imprisonment up to 5 years, or both.

To verify this training scan the QR code with your mobile device.



Rev. 1/2016

SECTION 004102 - BID FORM
MAMARONECK UFSD/
Pool Locker Room Renovations at
Hommocks Middle School
Contract #87a - General Construction
State Plan #66-07-01-03-0-011-031

BUSINESS NAME:	
ADDRESS:	
TELEPHONE NO.:	
EMAIL ADDRESS:	
Contract #87a (GC): Base Bid	(Subtotal)
Allowance No. 87a-1: Contingency Allowance: For unforeseen conditions, as directed by District. Include a lump sum contingency allowance of \$50,000 for use according to Owner's written instructions.	\$ 50,000.00
Allowance No. 87a-2: Hardware Allowance: Include an allowance of \$25,000 for use towards door hardware.	\$ 25,000.00
Combined Base Bid (Sum)	(Total)
UNIT PRICES:	
<i>Should the contract work be increased or decreased as per the General Conditions of the Contract, Article 8, Changes in the Work, the bidder hereby agrees that the following unit price is the basis for the extra or the credit. The price includes all labor, material, overhead, profit, administration, insurance, applicable taxes, and incidental or contributory items, or cost to the contractor and/or suppliers in connection therewith. The undersigned agrees to the following prices stipulated below as the amount of extra or credit to be applied to the contract for the increase or decrease in the scope of work if required during the course of the project. Refer to Specification Section 012200 for Unit Price descriptions.</i>	
Unit Price #87a-1 – Asbestos Large Project Decon	\$ /unit
Unit Price #87a-2 – Asbestos Small Project Decon	\$ /unit
Unit Price #87a-3 – Asbestos OSHA Wash Station for Minor Project:	\$ /unit
Unit Price #87a-4 – Asbestos Pipe Insulation (1" and less in diameter)	\$ /LF
Unit Price #87a-5 – Asbestos Pipe Insulation (Greater than 1" in diameter)	\$ /LF
Unit Price #87a-6 – Asbestos Pipe Insulation Mudded Elbows	\$ /EA
Unit Price #87a-7 – Mosaic Tile Replacement	\$ /SF
ALTERNATES:	
<i>The following amounts proposed for identified work defined in the Bidding Requirements that may be added to or deducted from the Base Bid amount if the Owner chooses 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. Refer to specification Section 012300 for Alternate descriptions.</i>	
Add Alternate # 87a-1: Provide and install new starting blocks per drawings A1.03/A2.02.	+ \$
Add Alternate # 87a-2: Replace epoxy floor coating on pool deck and replace deck tile depth indicators. Remove and reinstall deck mounted equipment per drawings A1.03 and A2.02.	+ \$
Add Alternate # 87a-3: Re-grout existing 1"x1" mosaic tile in pool (pool floor, walls, and lane lines) per drawings A1.03 and A2.02.	+ \$
Add Alternate # 87a-4: Replace fixed and operable skylights per drawings A1.04 and A2.03.	+ \$
Add Alternate # 87a-5: Replace four (4) doors from pool into locker rooms per drawings A1.03 and A2.02. Base bid to paint existing doors and frames.	+ \$
Acknowledgement by Bidder – Receipt of Addendum (please initial all boxes to verify)	
No.1	No.2
No.3	No.4
No.5	No.6
No.7	No.8
REFER TO PAGE SECTION 004100 FOR A COMPLETE LIST OF FORMS TO BE SUBMITTED WITH THE BID.	
NOTES:	
1). Method of Award: Award of Contract may be made to the Lowest Responsible Bidder by method as follows: •If the award is to be made on the basis of Base Bid only, it may be made to that responsible bidder whose Base Bid therefor is the lowest and responsive to the bid specifications. •If the award is to be made on the basis of the combination of Base Bid with Alternates, it may be made to that responsible bidder whose net bid on such combination is the lowest, using Alternates in any order elected by the Owner.	
<i>The District reserves the right to award a contract to the lowest responsible bidder providing the required security within forty-five (45) days of the date opening of the bids. Bidders may not withdraw their respective bids for a period of forty-five (45) days after the bid opening date, unless otherwise authorized by law. To the fullest extent allowed by law, the District further reserves the right to award the contract with or without alternates, using alternates in any order elected by the owner, whichever is deemed to be in the best interests of the District.</i>	
<i>The District further reserves the right to reject bids that contain conditions, omissions, exceptions or modifications, or in its sole discretion to waive any irregularities in the bids, or to reject any or all bids or to accept any bid which in the opinion of the District is in its best interest.</i>	
2). On acceptance of the bid for the work, the undersigned hereby binds himself/herself/themselves to enter into a written contract with the Board of Education within ten (10) days of the notice of award, and to comply in all respects with the requirements and provisions set forth in the Bid Specifications, including but not limited to the Bid Instructions and the General Conditions in relation to security for the faithful performance of the terms of said contract.	
Signature:	
Printed Name of Person Signing:	
Title of Person Signing:	

SECTION 012100 – ALLOWANCES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes administrative and procedural requirements governing allowances.
 - 1. Certain items are specified in the Contract Documents by allowances. Allowances have been established in lieu of additional requirements and to defer selection of actual materials and equipment to a later date when direction will be provided to Contractor. If necessary, additional requirements will be issued by Change Order.
- B. Types of allowances include the following:
 - 1. Contingency allowances.
- C. Related Requirements:
 - 1. Section 012200 "Unit Prices" for procedures for using unit prices.
 - 2. Section 014000 "Quality Requirements" for procedures governing the use of allowances for testing and inspecting.

1.3 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.

1.4 ACTION SUBMITTALS

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

1.5 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.

1.6 COORDINATION

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

1.7 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, and related costs for products and equipment ordered by Owner under the contingency allowance are included in the allowance and are not part of the Contract Sum. These costs include delivery, installation, insurance, equipment rental, and similar costs.
- C. Change Orders authorizing use of funds from the contingency allowance will include Contractor's related costs and reasonable overhead and profit margins.
- D. At Project closeout, credit unused amounts remaining in the contingency allowance to Owner by Change Order.

1.8 ADJUSTMENT OF ALLOWANCES

- A. Allowance Adjustment: To adjust allowance amounts, prepare a Change Order proposal based on the difference between purchase amount and the allowance, multiplied by final measurement of work-in-place where applicable. If applicable, include reasonable allowances for cutting losses, tolerances, mixing wastes, normal product imperfections, and similar margins.
 - 1. Include installation costs in purchase amount only where indicated as part of the allowance.
 - 2. If requested, prepare explanation and documentation to substantiate distribution of overhead costs and other margins claimed.
 - 3. Submit substantiation of a change in scope of work, if any, claimed in Change Orders related to unit-cost allowances.
 - 4. Owner reserves the right to establish the quantity of work-in-place by independent quantity survey, measure, or count.
- B. Submit claims for increased costs because of a change in scope or nature of the allowance described in the Contract Documents, whether for the purchase order amount or Contractor's handling, labor, installation, overhead, and profit.
 - 1. Do not include Contractor's or subcontractor's indirect expense in the Change Order cost amount unless it is clearly shown that the nature or extent of work has

changed from what could have been foreseen from information in the Contract Documents.

2. No change to Contractor's indirect expense is permitted for selection of higher- or lower-priced materials or systems of the same scope and nature as originally indicated.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

3.2 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.

3.3 SCHEDULE OF ALLOWANCES – **CONTRACT 87a - General Construction (GC)**

- A. Allowance No. 87a-1: Include an allowance of **\$50,000** for use according to Owner's written instructions.
- B. Allowance No. 87a-2: Hardware Allowance: Include an allowance of \$25,000 for use towards door hardware.**

3.4 SCHEDULE OF ALLOWANCES – **CONTRACT 87b - Mechanical Construction (MC)**

- A. Allowance No. 87b-1: Include an allowance of **\$50,000** for use according to Owner's written instructions.

3.5 SCHEDULE OF ALLOWANCES – **CONTRACT 87c - Plumbing Construction (PC)**

- A. Allowance No. 87c-1: Include an allowance of **\$50,000** for use according to Owner's written instructions.

3.6 SCHEDULE OF ALLOWANCES – **CONTRACT 87d - Electrical Construction (EC)**

- A. Allowance No. 87d-1: Include an allowance of **\$25,000** for use according to Owner's written instructions.

END OF SECTION 012100

SECTION 012200 – UNIT PRICES

PART 1 - GENERAL

1.01 SUMMARY

- A. This section specifies administrative and procedural requirements for handling and processing work associated with unit prices. Related documents include drawings and other general provisions of the Contract, including General Conditions and other Division 1 specification sections.

1.02 RELATED SECTIONS

- A. Section 012600 - "Contract Modification Procedures" for procedures for submitting and handling Change Orders.
- B. Section 013300 – "Submittal Procedures"

1.03 DEFINITIONS

- A. Unit price is an amount incorporated in the Agreement, applicable during the duration of the Work as 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.

1.04 PURPOSE

- A. Unit prices stated on the Bid Form shall be used as a basis of compensation for increases, or decreases, in specified items of Work by Change Order in accordance with the General Conditions.

1.05 PROCEDURES

- A. Include in unit prices all necessary material, plus cost of delivery, installation, insurance, overhead and profit.
- B. When requested by the Architect/Engineer, submit data identified in the General Conditions supporting the unit price costs.
- C. The Owner reserves the right to reject the Contractor's measurement of work in place that involves the use of established unit prices and to have work measured at the Owner's expense by an independent surveyor.
- D. List of Unit Prices: A list of unit prices is included in Part 3 of this specification.

PART 2 - PRODUCT: NOT USED

PART 3 - EXECUTION:

1.1 3.01 LIST OF UNIT PRICES – **CONTRACT 87a - General Construction (GC)**

A. Contract 87a (GC): Unit Price #87a-1 – Asbestos Large Project Decon:

Bidder to provide a unit price for the installation, use and removal of one (1) Large Project Decontamination work area to remove piping insulation and MJPs. Refer to Specification Section 020800. Unit price to be per enclosure and shall include all required prep work.

B. Contract 87a (GC): Unit Price #87a-2 – Asbestos Small Project Decon:

Bidder to provide a unit price for the installation, use and removal of one (1) Small Project Decontamination work area to remove piping insulation and MJPs. Refer to Specification Section 020800. Unit price to be per enclosure and shall include all required prep work.

C. Contract 87a (GC): Unit Price #87a-3 – Asbestos OSHA Wash Station for Minor Project:

Bidder to provide a unit price for the installation, use and removal of one (1) OSHA Wash Station for Minor Project, Refer to Specification Section 020800. Unit price to be per wash station and shall include all required prep work.

D. Contract 87a (GC): Unit Price #87a-4 – Asbestos Pipe Insulation

Bidder to provide unit price for labor and materials to remove and dispose of friable asbestos-containing pipe insulation (1" and less in diameter) in areas of work to be added or deducted from the base bid amount. Refer to Specification Section 020800.

E. Contract 87a (GC): Unit Price #87a-5 – Asbestos Pipe Insulation

Bidder to provide unit price for labor and materials to remove and dispose of friable asbestos-containing pipe insulation (Greater than 1" in diameter) in areas of work to be added or deducted from the base bid amount. Refer to Specification Section 020800.

F. Contract 87a (GC): Unit Price #87a-6 – Asbestos Pipe Insulation Mudded Elbows

Bidder to provide unit price for labor and materials to remove and dispose of friable asbestos-containing pipe insulation (mudded elbows) in areas of work to be added or deducted from the base bid amount. Refer to Specification Section 020800.

G. Contract 87a (GC): Unit Price #87a-7 – Mosaic Tile Replacement

Bidder to provide unit price for labor and materials to remove existing 1"x1" mosaic tile in pool (pool floor, walls, and lane lines) and replace with new.

END OF SECTION 012200

SECTION 012300 – ALTERNATES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

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

1.02 SUMMARY

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

1.03 DEFINITIONS

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

1.04 PROCEDURES

- A. **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.
- B. Execute accepted alternates under the same conditions as other work of the Contract.
- C. **Schedule:** A Schedule of Alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.01 SCHEDULE OF ALTERNATES – **CONTRACT 87a - General Construction (GC)**

- A. **Add Alternate # 87a-1:** Provide and install new diving boards and starting blocks per drawings A1.03 and A2.02.
- B. **Add Alternate # 87a-2:** Replace epoxy floor coating on pool deck and replace deck tile depth indicators. Remove and reinstall deck mounted equipment per drawings A1.03 and A2.02.
- C. **Add Alternate # 87a-3:** Re-grout existing 1"x1" mosaic tile in pool (pool floor, walls, and lane lines) per drawings A1.03 and A2.02.
- D. **Add Alternate # 87a-4:** Replace fixed and operable skylights per drawings A1.04 and A2.03.
- E. **Add Alternate # 87a-5:** Replace four (4) doors from pool into locker rooms per drawings A1.03 and A2.02. Base bid to paint existing doors and frames.

3.02 SCHEDULE OF ALTERNATES – **CONTRACT 87b - Mechanical Construction (MC)**

- F. **Add Alternate # 87b-1:** Remove perforated fabric duct system and replace with new duct system clips and tracks per drawings M1.03 and M2.02.

END OF SECTION 012300

SECTION 08 63 00

INSULATED TRANSLUCENT FIBERGLASS SANDWICH PANEL SYSTEM SPECIFICATION

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes the replacement panel system as shown and specified. Work includes providing and installing:
 - 1. Factory prefabricated structural insulated translucent sandwich panels
 - 2. Aluminum installation system
- B. Related Sections:

1.2 SUBMITTALS

- A. Submit manufacturer's product data. Include construction details, material descriptions, profiles and finishes of components.
- B. Submit shop drawings. Include plans, elevations and details.
- C. Submit manufacturer's color charts showing the full range of colors available for factory finished exposed aluminum.
 - 1. When requested, submit samples for each exposed finish required, in same thickness and material indicated for the work and in size indicated below.
 - a. Sandwich panels: 7" x 12" units
 - b. Factory finished aluminum: 3" long sections
- D. Submit Installer Certificate, signed by installer, certifying compliance with project qualification requirements.
- E. Submit product reports from a qualified independent testing agency indicating each type and class of panel system complies with the project performance requirements, based on comprehensive testing of current products. Previously completed reports will be acceptable if for current manufacturer and indicative of products used on this project.
 - 1. Reports required (if applicable) are:
 - a. Flame Spread and Smoke Developed (UL 723) – Submit UL Card
 - b. Burn Extent (ASTM D 635)
 - c. Color Difference (ASTM D 2244)
 - d. Impact Strength (UL 972)
 - e. Bond Tensile Strength (ASTM C 297 after aging by ASTM D 1037)
 - f. Bond Shear Strength (ASTM D 1002)
 - g. Beam Bending Strength (ASTM E 72)
 - h. Insulation U-Factor (NFRC 100)
 - i. NFRC System U-Factor Certification (NFRC 700)
 - j. Solar Heat Gain Coefficient (NFRC or Calculations)

- k. Condensation Resistance Factor (AAMA 1503) (Thermally Broken only)
- l. Fire Penetration of Exterior Wall Assemblies Using a Direct Flame Impingement Exposure (ASTM E2707)
- m. Fall Through Resistance (ASTM E 661)
- n. Class A Roof Covering Burning Brand (UL 790)

1.3 CLOSEOUT SUBMITTALS

- A. Provide project maintenance manuals.

1.4 QUALITY ASSURANCE

A. Manufacturer's Qualifications:

- 1. Material and products shall be manufactured by a company continuously and regularly employed in the manufacture of specified materials for a period of at least ten consecutive years and which can show evidence of those materials being satisfactorily used on at least six projects of similar size, scope and location. At least three of the projects shall have been in successful use for ten years or longer.
- 2. Panel system must be listed by an ANSI accredited Evaluation Service, which requires quality control inspections and fire, structural and water infiltration testing of sandwich panel systems by an accredited agency.
- 3. Quality control inspections shall be conducted at least once each year and shall include manufacturing facilities, sandwich panel components and production sandwich panels for conformance with AC177 "Translucent Fiberglass Reinforced Plastic (FRP) Faced Panel Wall, Roof and Skylight Systems" as issued by the ICC-ES.

- B. Single Source: Obtain primary and secondary components and structural framing members, translucent fiberglass roof panels, clips, closures, and other accessories from a single manufacturer to operate as a complete system for the intended use.

- C. Installer's Qualifications: Installation shall be by an experienced installer, which has been in the business of installing specified panel systems for at least two consecutive years and can show evidence of satisfactory completion of projects of similar size, scope and type.

1.5 PERFORMANCE REQUIREMENTS

- A. The manufacturer shall be responsible for the configuration and fabrication of the replacement panels and aluminum installation system.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver replacement panels and aluminum installation system in manufacturer's standard protective packaging.
- B. Store replacement panels on the long edge; several inches above the ground, blocked and under cover in accordance with manufacturer's storage and handling instructions.

1.7 WARRANTY

- A. Provide manufacturer's and installer's written warranty agreeing to repair or replace replacement panels, which fails in material or workmanship within one year from the date of delivery. Failure of material or workmanship shall include deterioration of finish on metal in excess of normal weathering and defects in accessories, insulated translucent sandwich panels and other components of the work.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. The basis for this specification is for products manufactured by Structures Unlimited, Inc. Other manufacturers may bid this project subject to compliance with the performance requirements of this specification and submission evidence thereof. Listing other manufacturers' names in this specification does not constitute approval of their products or relieve them of compliance with all the performance requirements contained herein.
- B. Structures Unlimited, Inc., Tel: (800) 225-3895 – Fax: (603) 627-0798 – Email: ssoucy@structuresunlimitedinc.com

2.2 PANEL COMPONENTS

- A. Face Sheets:
 - 1. Translucent faces: Manufactured from glass fiber reinforced thermoset resins, formulated specifically for architectural use.
 - a. Thermoplastic (e.g. polycarbonate, acrylic) faces are not acceptable.
 - b. Face sheets shall not deform, deflect, or drip when subjected to fire or flame.
 - 2. Interior face sheets:
 - a. Flame spread: Underwriters Laboratories (UL) listed, which requires periodic unannounced retesting, with flame spread rating no greater than **25** and smoke developed no greater than 250 when tested in accordance with UL 723.
 - b. Burn extent by ASTM D 635 shall be no greater than 1".
 - 3. Exterior face sheets:
 - a. Color stability: Full thickness of the exterior face sheet shall not change color more than 3 CIE Units DELTA E by ASTM D 2244 after **5** years outdoor South Florida weathering at 5° facing south, as measured on a white sample with and without a protective film or coating to ensure long-term color stability. Color stability shall be unaffected by abrasion or scratching.
 - b. Strength: Exterior face sheet shall be uniform in strength, impenetrable by handheld pencil and repel an impact minimum of **70 ft. lbs.** without fracture or tear when impacted by a 3-1/4" diameter, 5 lb. free-falling ball per UL 972.
 - c. Erosion Protection: Integral, embedded-glass erosion barrier.
 - 4. Appearance:
 - a. Exterior face sheet: Smooth, .070" thick and crystal in color.
Interior face sheet: Smooth, .045" thick and crystal in color.
 - b. Face sheets shall not vary more than $\pm 10\%$ in thickness and be uniform in color.

B. Grid Core:

Thermally broken composite I-beam grid core shall be of alloy and temper recommended by manufacturer with provisions for mechanical interlocking of muntin-mullion and perimeter. Width of I-beam shall be no less than 7/16".

1. I-beam Thermal break: Minimum 1", thermoset fiberglass composite. Poured and de-bridged thermal break is not acceptable.

C. Laminate Adhesive:

1. Heat and pressure resin type adhesive engineered for structural sandwich panel use, with minimum 25-years field use. Adhesive shall pass testing requirements specified by the International Code Council "Acceptance Criteria for Sandwich Panel Adhesives".
2. Minimum tensile strength of 750 PSI when the panel assembly is tested by ASTM C 297 after two exposures to six cycles each of the aging conditions prescribed by ASTM D 1037.
3. Minimum shear strength of the panel adhesive by ASTM D 1002 after exposure to four separate conditions:
 - a. 50% Relative Humidity at 68° F: 540 PSI
 - b. 182° F: 100 PSI
 - c. Accelerated Aging by ASTM D 1037 at room temperature: 800 PSI
 - d. Accelerated Aging by ASTM D 1037 at 182° F: 250 PSI

2.3 PANEL CONSTRUCTION

- A. Provide sandwich panels of flat fiberglass reinforced translucent face sheets laminated to a grid core of mechanically interlocking I-beams. The adhesive bonding line shall be straight, cover the entire width of the I-beam and have a neat, sharp edge.

1. Thickness: **2-3/4"**
2. Light transmission: 9 %
3. Solar heat gain coefficient: .10
4. Panel U-factor by NFRC certified laboratory: .10U
5. Complete insulated panel system shall have NFRC certified U-factor of: .18U
6. Grid pattern: Nominal size 12"x24"; pattern Shoji

- B. Standard panels shall deflect no more than 1.9" at 30 PSF in 10'-0" span without a supporting frame by ASTM E 72.

- C. Panels shall meet the conditions of acceptance according to ASTM E2707 Fire Penetration of Exterior Wall Assemblies Using a Direct Flame Impingement Exposure:

1. Absence of flame penetration through the wall assembly at any time.
2. Absence of evidence of glowing combustion on the interior surface of the assembly at the end of the 60-min observation period.
3. Absence of evidence of flame, glow, and smoke if the test is terminated prior to the completion of the 60-min observation period.

- D. Thermally broken insulated panels: Minimum Condensation Resistance Factor of 80 by AAMA 1503 measured on the bond line.

E. Roof System:

1. Roof system shall pass Class A Roof Burning Brand Test by UL 790.

- F. Roof system shall meet the fall through requirements of OSHA 1910.21 as demonstrated by testing in accordance with ASTM E 661, thereby not requiring supplemental screens or railings.

2.4 BATTENS AND PERIMETER CLOSURE SYSTEM

- A. Closure system: Extruded aluminum 6063-T6 and 6063-T5 alloy and temper clamp-tite screw type closure system.
- B. Sealing tape: Manufacturer's standard, pre-applied to closure system at the factory under controlled conditions.
- C. Fasteners: Various series stainless steel screws for aluminum closures, excluding final fasteners to the building.
- D. Finish: Manufacturer's factory applied finish, which meets the performance requirements of AAMA 2604. Color to be Bone White 21B

2.5 MOTORIZED ROOF

- A. Operable sections are 2 3/4" thick fiberglass reinforced translucent face sheet laminated to a grid core of mechanically interlocking I-beams. Screen units are provided to cover the open area.
- B. Operation: Roofs panels to slide down by gravity and pull up under power by use of a 1 horsepower, single phase 60 cycles, 208 volts totally enclosed gear motor and stainless steel aircraft cable system.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Installer shall examine substrates, supporting structure and installation conditions.
- B. Do not proceed with replacement panel installation until unsatisfactory conditions have been corrected by the general contractor.

3.2 PREPARATION

- A. Metal Protection:
 - 1. Where aluminum will contact dissimilar metals, protect against galvanic action by painting contact surfaces with primer or by applying sealant or tape recommended by manufacturer for this purpose.

2. Where aluminum will contact concrete, masonry or pressure treated wood, protect against corrosion by painting contact surfaces with bituminous paint or method recommended by manufacturer.

B. The general contractor shall provide temporary enclosures if required.

3.3 INSTALLATION

A. Install the replacement panels and aluminum installation system in accordance with the manufacturer's installation recommendations and approved shop drawings.

1. Anchor component parts securely in place by permanent mechanical attachment system.

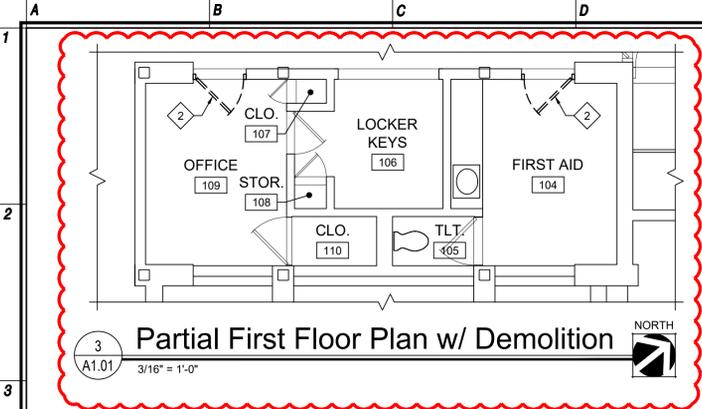
2. Accommodate thermal and mechanical movements.

B. After other trades have completed work on adjacent material, carefully inspect translucent panel installation and make the adjustments necessary to ensure proper installation.

3.4 CLEANING

A. Refer to manufacturer's written recommendations.

END OF SECTION 086300



MULTIPLE PRIME CONTRACT NOTES:

- SEE SPECIFICATION 010101 - MULTIPLE CONTRACT SUMMARY FOR INFORMATION REGARDING RESPONSIBILITY OF EACH PRIME CONTRACTOR AND REQUIRED COORDINATION.
- ALL PRIME CONTRACTORS ARE RESPONSIBLE FOR REVIEWING DEMOLITION NOTES ON A1.01 AS WELL AS ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND NOTES.

CORE DRILL LAYOUT NOTES:

- CORE DRILLING SHALL BE PERFORMED BY EACH INDIVIDUAL PRIME CONTRACTOR.
- EACH PRIME CONTRACTOR SHALL FIELD VERIFY AND MARK ON PLANS ALL STRUCTURAL MEMBERS BELOW PROPOSED CORE DRILL LOCATIONS AND NOTE ANY INTERFERENCES ON THE DRAWINGS. ANY DISCREPANCIES BETWEEN PROPOSED PLANS AND EXISTING CONDITIONS SHALL BE CLEARLY MARKED AND IDENTIFIED ON THE LAYOUTS AND PRESENTED TO THE ARCHITECT FOR REVIEW.

Locker Quantities

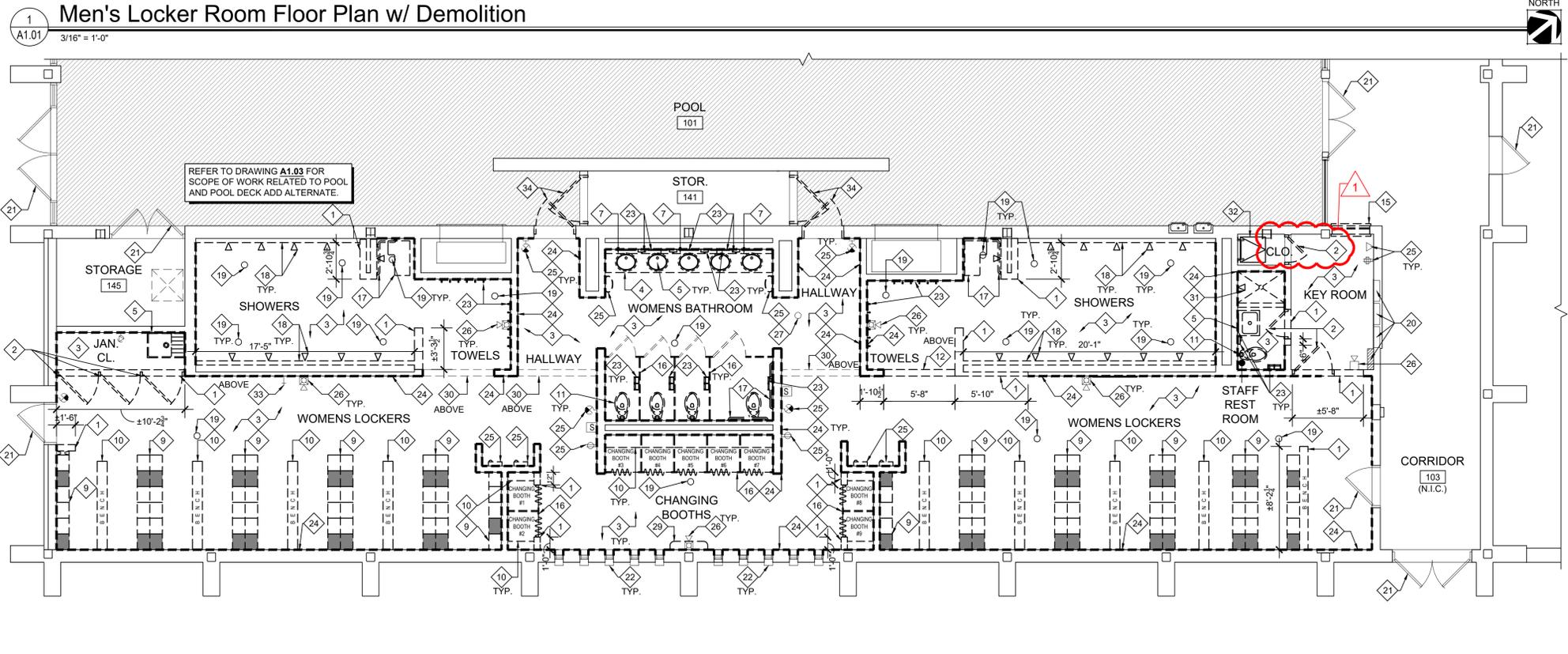
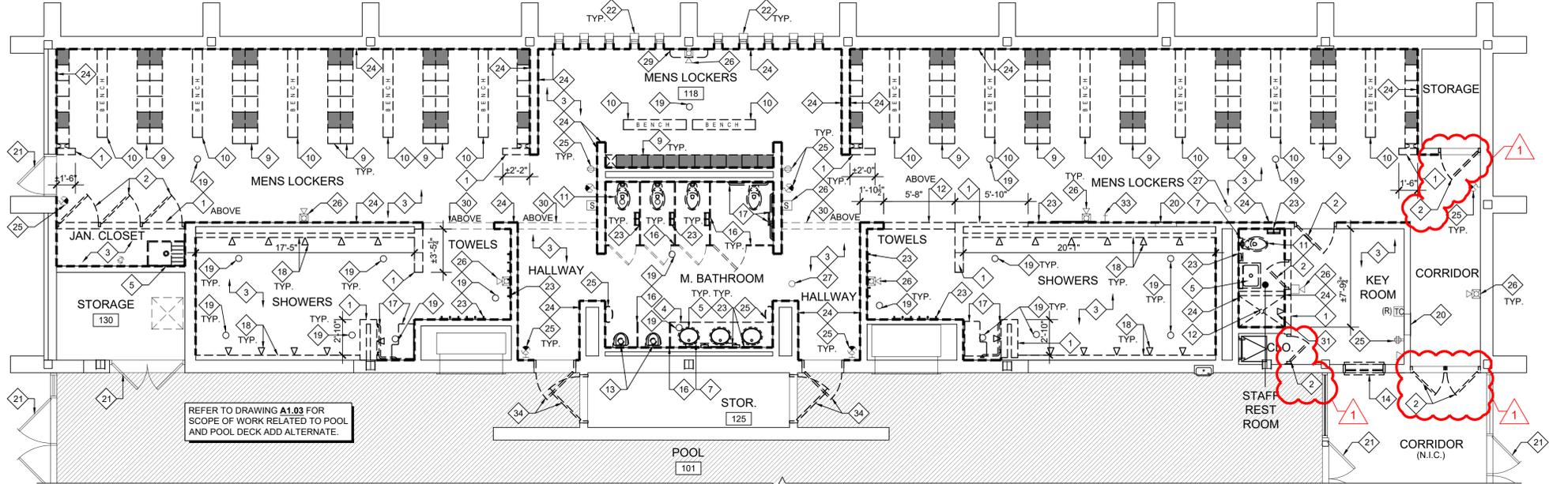
ROOM	EX. SINGLE LOCKERS	EX. DOUBLE LOCKERS	EX. LOCKER TOTAL
MEN'S	54	176	230
WOMEN'S	39	158	197

HATCH DENOTES SINGLE STACK LOCKER

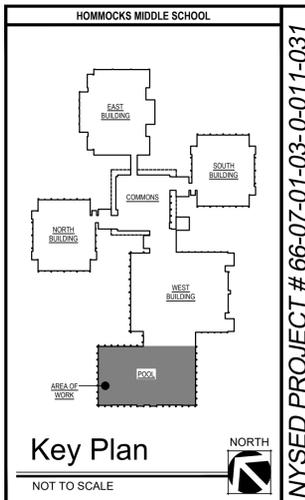
Legend (REFER TO DEMOLITION PLANS)

SYMBOL	DESCRIPTION
[Solid Line]	EXISTING PARTITION TO REMAIN
[Dashed Line]	EXISTING PARTITION TO BE REMOVED/ DEMOLISHED
[Hatched Area]	ADD. ALTERNATE SCOPE. SEE A1.03, A2.02, AND A2.03 FOR ADDITIONAL INFORMATION.
[Dimensioned Area]	REMOVE PORTION OF EXISTING PARTITION TO DIMENSION SHOWN.
[Dashed Frame]	EXISTING DOOR/FRAME TO BE REMOVED
[Dotted Ceiling]	EXISTING SUSPENDED CEILING TO BE REMOVED
[Dotted Wall]	EXISTING PLASTER/GWB CEILING TO BE REMOVED
[Dashed Tile]	EXISTING TILE WALL FINISH TO BE REMOVED

- Demolition Key Notes**
- INTERIOR PARTITION DEMOLITION:** GC TO REMOVE A PORTION OF OR ALL OF THE EXISTING INTERIOR PARTITION, INCLUDING WALL, BASE, GWB, STUDS, CMU, TILE, ELECTRICAL OUTLETS, SWITCHES, ETC. GC TO TERMINATE ALL ELECTRICAL COMPONENTS IN ACCORDANCE WITH NEC REQUIREMENTS. GC TO TEMPORARILY BRACE AND SHORE ALL REMAINING WALLS, FLOORS, AND CEILINGS AS REQUIRED PRIOR TO DEMOLITION.
 - DOOR DEMOLITION:** GC TO REMOVE EXISTING DOOR, HINGES, FRAME, HARDWARE, CLOSERS, ETC. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL.
 - FLOOR FINISH DEMOLITION:** GC TO REMOVE EXISTING FLOOR FINISH MATERIAL AND ANY ASSOCIATED ADHESIVES, NAILERS, ETC. DOWN TO EXISTING SUB-FLOOR. PREP SUB-FLOOR AS REQUIRED FOR INSTALLATION OF NEW FINISH FLOOR. SEE PROPOSED PLANS ON A2.01 AND FLOOR FINISH PLAN ON A9.01 FOR ADDITIONAL INFORMATION.
 - CASEWORK:** GC TO REMOVE AND DISCARD OF EXISTING CASEWORK INCLUDING COUNTERTOPS, DOORS, HINGES, BLOCKING, ETC. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL.
 - SINK DEMOLITION:** GC TO DISCONNECT AND CAP EXISTING PIPING AND REMOVE EXISTING SINK. SEE PLUMBING DEMOLITION DRAWINGS FOR COORDINATION AND ADDITIONAL INFORMATION.
 - ACOUSTICAL CEILING TILE & GRID DEMOLITION:** GC TO REMOVE AND DISCARD EXISTING SUSPENDED CEILING AND TILE, INCLUDING CEILING GRID, WALL ANGLES, SUPPORT WIRES, CLIPS, TIES, ETC.
 - LIGHTING DEMOLITION:** GC TO DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES. SEE ELECTRICAL DEMOLITION DRAWINGS FOR COORDINATION AND ADDITIONAL INFORMATION.
 - HVAC DIFFUSERS & RETURN AIR GRILLES:** GC TO REMOVE EXISTING DIFFUSER/GRILLE, AND/OR LOUVER. SEE MECHANICAL DEMOLITION DRAWINGS FOR COORDINATION AND ADDITIONAL INFORMATION.
 - LOCKERS & BASES:** GC TO REMOVE ALL EXISTING LOCKERS AND BASES. GC TO SALVAGE, CLEAN, AND STORE FOR REINSTALLATION. INSPECT FOR SOUNDNESS AND BRING ANY CONCERNS TO OWNER AND ARCHITECT.
 - BENCHES:** GC TO REMOVE ALL EXISTING BENCHES. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL.
 - WATER CLOSET:** GC TO DISCONNECT AND CAP EXISTING PIPING AND REMOVE EXISTING WATER CLOSET. SEE PLUMBING DEMOLITION DRAWINGS FOR COORDINATION AND ADDITIONAL INFORMATION.
 - BULK HEAD DEMOLITION:** GC TO REMOVE THE EXISTING BULKHEAD TO THE UNDERSIDE OF DECK ABOVE IN ITS ENTIRETY.
 - URINALS:** GC TO DISCONNECT AND CAP EXISTING PIPING AND REMOVE EXISTING URINAL. SEE PLUMBING DEMOLITION DRAWINGS FOR COORDINATION AND ADDITIONAL INFORMATION.
 - ROLL UP DOOR:** GC TO REMOVE EXISTING ROLL UP DOOR AND APPURTENANCES. PREP OPENING FOR NEW DOOR. COORDINATE WITH NEW WORK PLANS AND DOOR SCHEDULE.
 - ROLL UP DOOR:** GC TO REMOVE EXISTING ROLL UP DOOR AND APPURTENANCES. INFILL WALL CAVITY. SEE WALL TYPES ON A6.01.
 - INTERIOR TOILET PARTITIONS & ANCHORS:** GC TO REMOVE EXISTING TOILET PARTITIONS, ANCHORS, AND ACCESSORIES. REPAIR AND PATCH BACKUP WALL AS NECESSARY. COORDINATE SALVAGE WITH OWNER PRIOR TO DEMOLITION.
 - ADA HARDWARE:** GC TO REMOVE EXISTING ADA HARDWARE AND APPURTENANCES. CONFER WITH OWNER FOR SALVAGE PRIOR TO DEMOLITION.
 - INTERIOR SHOWER WALL PARTITIONS:** GC TO REMOVE EXISTING INTERIOR PARTITION AS SHOWN, INCLUDING CMU, TILE, SHOWER HEADS, CONTROL VALVES, AND PIPING. GC TO TERMINATE ALL PLUMBING CONNECTIONS. GC TO TEMPORARILY BRACE AND SHORE ALL REMAINING WALLS, FLOORS, AND CEILINGS AS REQUIRED PRIOR TO DEMOLITION.
 - FLOOR DRAINS:** EXISTING FLOOR DRAIN TO BE REMOVED. GC TO DEMOCUT SLAB AS REQUIRED FOR THE INSTALLATION OF A NEW DRAIN FIXTURE. SEE TRENCHING PLAN A1.02, PROPOSED PLAN A2.01, & PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. INFILL AS NECESSARY TO THE FINISH LEVEL REQUIRED BY FLOORING MANUFACTURER.
 - ELECTRICAL PANELS:** EXISTING ELECTRICAL PANELS TO REMAIN. SEE ELECTRICAL DRAWINGS FOR COORDINATION AND ADDITIONAL INFORMATION.
 - DOORS:** EXISTING DOOR TO REMAIN.
 - GLASS BLOCK:** EXISTING GLASS BLOCK WINDOW TO REMAIN.
 - ACCESSORIES:** GC TO REMOVE EXISTING ACCESSORIES INCLUDING BUT NOT LIMITED TO: MIRRORS, SOAP DISPENSERS, TOILET TISSUE DISPENSERS, TOWEL HOOKS/RACKS, AIR FRESHENERS, & SIGNAGE. CONFER WITH OWNER PRIOR TO DISPOSAL.
 - TILE WALL:** GC TO REMOVE EXISTING WALL TILE UP TO CMU BACK-UP WALL. PREPARE SURFACE AS REQUIRED TO RECEIVE NEW WALL FINISH. COORDINATE WITH WALL FINISH MANUFACTURER'S REQUIREMENTS. TYPICAL FOR ALL SPACES IN AREA OF WORK INCLUDING WINDOW RETURNS.
 - ELECTRICAL DEVICE:** EXISTING ELECTRICAL DEVICE. SEE ELECTRICAL DEMOLITION AND NEW WORK PLAN FOR COORDINATION AND ADDITIONAL INFORMATION.
 - FIRE ALARM DEVICE:** EXISTING FIRE ALARM DEVICE. SEE ELECTRICAL DEMOLITION AND NEW WORK PLAN FOR COORDINATION AND ADDITIONAL INFORMATION.
 - FLOOR CLEAN OUT:** EXISTING FLOOR CLEAN OUT. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
 - SLAB TRENCHING:** GC TO SAW-CUT AND REMOVE EXISTING CONCRETE SLAB AS REQUIRED FOR THE INSTALLATION OF NEW FLOOR DRAINS AND OTHER UNDER-SLAB UTILITIES, AND FOR THE INSTALLATION OF NEW SHOWERS. SEE TRENCHING PLAN AND SLAB TRENCHING NOTE ON A1.02 FOR ADDITIONAL INFORMATION.
 - BABY CHANGING STATION:** GC TO REMOVE EXISTING BABY CHANGING STATION IN ITS ENTIRETY AND COORDINATE WITH OWNER BEFORE DISPOSAL.
 - BULK HEAD:** EXISTING BULK HEAD TO REMAIN.
 - SHOWER DEMOLITION:** GC TO REMOVE EXISTING SHOWER INCLUDING TILE, SHOWER HEADS, CONTROL VALVES, AND PIPING. GC TO TERMINATE ALL PLUMBING CONNECTIONS. GC TO TEMPORARILY BRACE AND SHORE ALL REMAINING WALLS, FLOORS, AND CEILINGS AS REQUIRED PRIOR TO DEMOLITION. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
 - ROOF ACCESS LADDER:** EXISTING ROOF ACCESS LADDER AND HATCH TO REMAIN.
 - HOSE BIB:** EXISTING HOSE BIB TO BE REMOVED. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
 - BASE BID:** PAINT EXISTING METAL DOORS AND FRAMES. SEE DRAWING A2.02 FOR ADD. ALTERNATE.



- General Notes**
- DIMENSIONS SHOWN ARE FROM FACE OF FINISH MATERIALS (+/-) UNLESS OTHERWISE NOTED.
 - CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS.
 - PROVIDE INTERIOR AND EXTERIOR SHORING, BRACING OR SUPPORT TO PREVENT MOVEMENT, SETTLEMENT OR COLLAPSE OF AREAS TO BE DEMOLISHED AND ADJACENT FACILITIES TO REMAIN.
 - THE CONTRACTOR SHALL PERFORM DEMOLITION ACTIVITIES ONLY WITHIN THE ALLOWABLE HOURS OF OPERATION ON WEEKDAYS AND WEEKENDS IN ACCORDANCE WITH THE LOCAL NOISE ORDINANCE. THE CONTRACTOR SHALL CONSULT THE LOCAL MUNICIPALITY FOR ACCEPTABLE HOURS.
 - CONTRACTOR IS REQUIRED TO PATCH (TO MATCH EXISTING), IMMEDIATELY AFTER REMOVAL, ALL WALL, FLOOR & CEILING OPENINGS WHERE EXISTING PIPE, DUCT, CONVECTORS, ETC. ARE BEING REMOVED. SEAL OPENING WITH 3 HOUR BARRIER CAULK AS PER FIRE STOPPING SPECIFICATIONS. REFER TO FIRE STOPPING DETAILS ON SHEET A6.04 FOR ADDITIONAL INFORMATION.



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REGISTERED ARCHITECT

Revisions:
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09/16/24 BID ADDENDUM #1

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LAN ASSOCIATES
252 Main Street, Goshen, New York 10924 | T. 845-615-0350 | F. 845-615-0351

NYSED PROJECT # 66-07-01-03-0-011-031
DEMOLITION PARTIAL FIRST FLOOR PLAN
POOL LOCKER ROOM RENOVATIONS AT
HOMMOCKS MIDDLE SCHOOL
1-30 HOMMOCKS ROAD
LARCHMONT, NY 10538

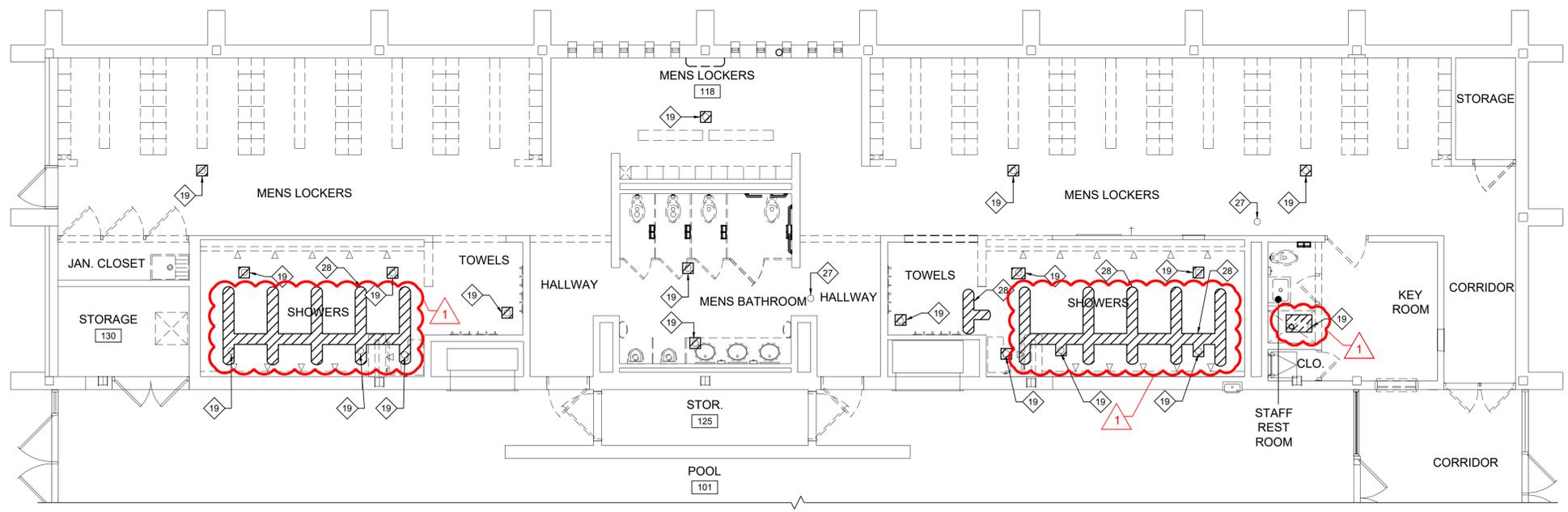
Job No. 4.1092.87
File No. 4109287A101
A1.01

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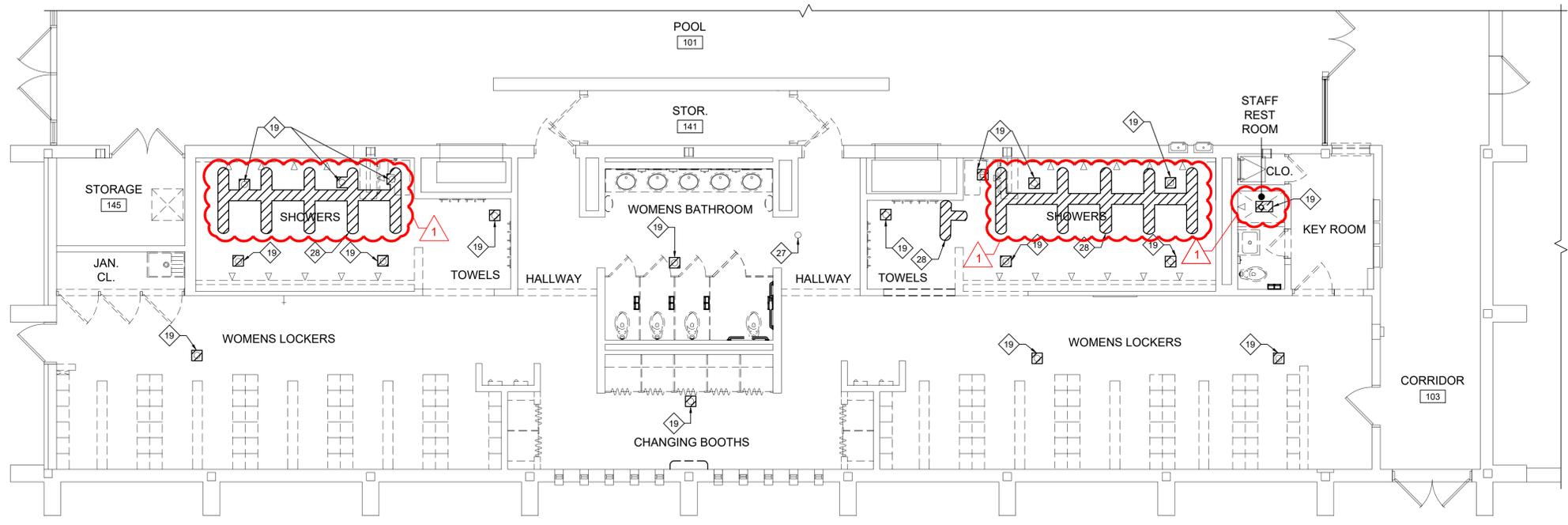
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LAN ASSOCIATES
 252 Main Street, Goshen, New York 10924 | t. 845-615-0350 | f. 845-615-0351



1 Men's Locker Room Floor Slab Trenching Plan

1
A1.02
3/16" = 1'-0"



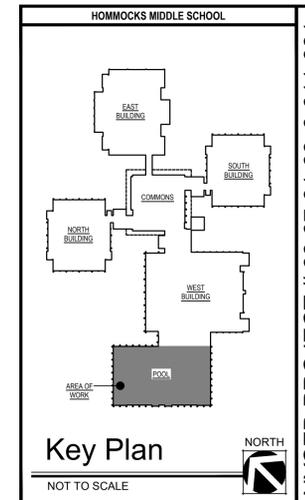
2 Women's Locker Room Floor Slab Trenching Plan

2
A1.02
3/16" = 1'-0"

REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION REGARDING EXISTING AND NEW FLOOR DRAINS AND SANITARY PIPING.

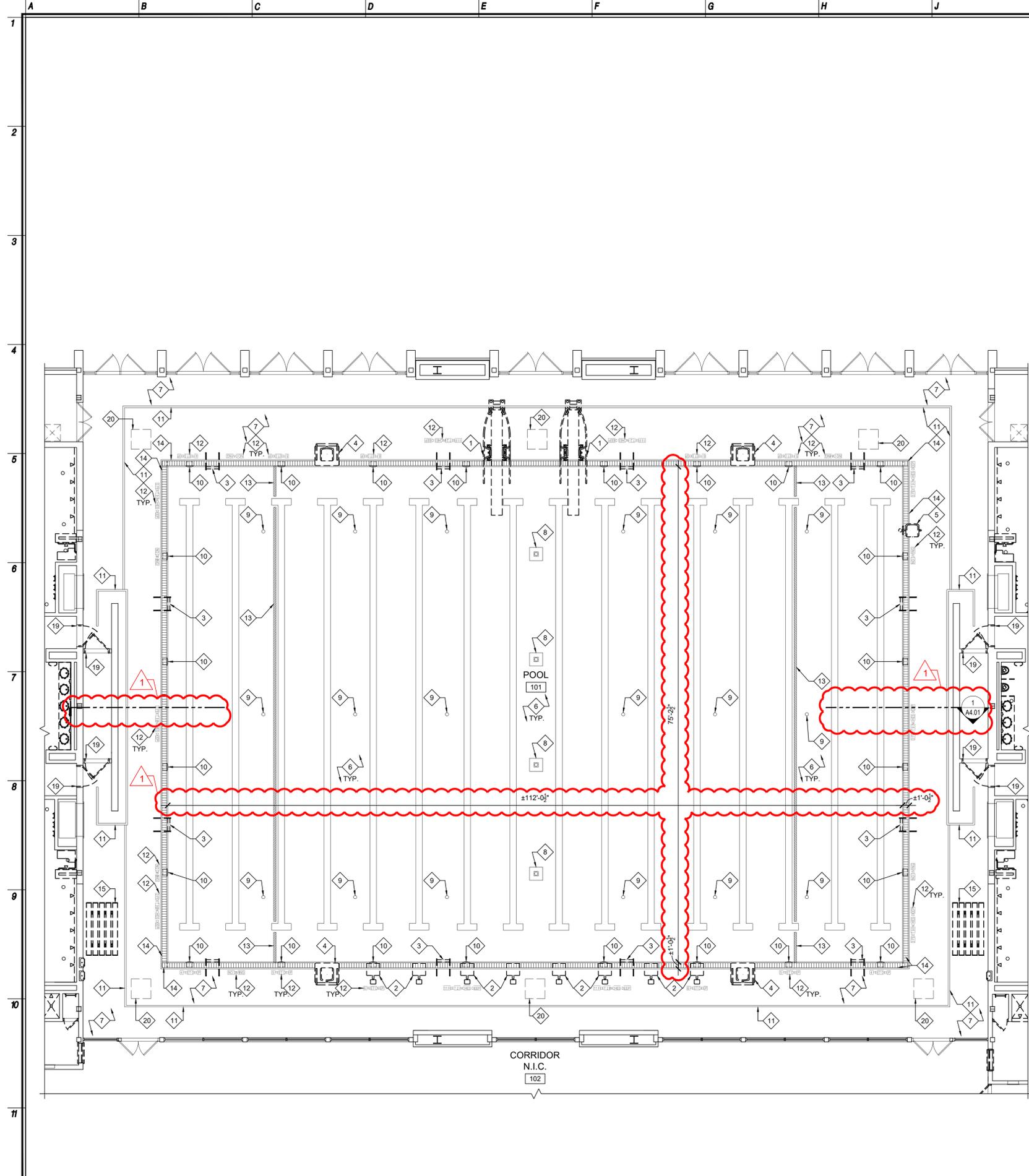
SLAB TRENCHING NOTE:
 GC IS RESPONSIBLE FOR THE CUTTING, TRENCHING AND INFILL OF ALL SLAB-TRENCHING AS REQUIRED TO COMPLETE THE WORK. TRENCHING SHOWN ON DRAWING IS SHOWN TO BETTER HELP THE CONTRACTOR UNDERSTAND THE INTENT OF THE UNDER-SLAB PIPE ROUTING. CONTRACTOR SHALL COORDINATE WITH ALL TRADES AND EXAMINE EXISTING CONDITIONS TO VERIFY EACH ROUTE IS FREE FROM EXISTING UNDER-SLAB OBSTRUCTIONS.

NOTE:
 SEE DRAWING A1.01 FOR DEMOLITION KEY NOTES. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR COORDINATION AND ADDITIONAL INFORMATION.



NYSED PROJECT # 66-07-01-03-0-011-031

FLOOR SLAB TRENCHING PLAN
 POOL LOCKER ROOM RENOVATIONS AT
 HOMMOCKS MIDDLE SCHOOL
 130 HOMMOCKS ROAD
 LARCHMONT, NY 10538
 Job No. 4.1092.87
 File No. 4109287A101
A1.02



- ### Add. Alternate Demolition Key Notes
- SYMBOL INDICATES DEMOLITION KEY NOTE
- ADD ALTERNATE #1 - DIVING BOARDS:** GC TO REMOVE EXISTING DIVING BOARDS IN FULL. CONFER WITH OWNER FOR SALVAGE PRIOR TO DISPOSAL. GC TO PREP POOL DECK FOR INSTALLATION OF NEW DIVING BOARDS BY OTHERS.
 - ADD ALTERNATE #1 - STARTING BLOCKS:** GC TO REMOVE EXISTING STARTING BLOCKS IN FULL AND DISPOSE OF IN AN APPROVED MANNER. GC TO PREP POOL DECK FOR INSTALLATION OF NEW STARTING BLOCK AS PER MANUFACTURER'S REQUIREMENTS.
 - ADD ALTERNATE #2 - POOL LADDERS:** GC TO TEMPORARILY REMOVE EXISTING POOL LADDERS IN FULL AND STORE IN A SECURE SPACE FOR REINSTALLATION. GC TO INSPECT LADDERS FOR SOUNDNESS.
 - ADD ALTERNATE #2 - LIFE GUARD CHAIRS:** GC TO REMOVE EXISTING LIFE GUARD CHAIRS IN FULL AND STORE IN A SECURE SPACE FOR REINSTALLATION. GC TO INSPECT CHAIR AND ASSEMBLY FOR SOUNDNESS.
 - ADD ALTERNATE #2 - ADA POOL CHAIR LIFT:** GC TO TEMPORARILY REMOVE EXISTING ADA POOL CHAIR LIFT AND STORE IN A SECURE LOCATION.
 - ADD ALTERNATE #3 - GROUT POOL:** GC TO POWER WASH & CLEAN EXISTING MOSAIC POOL TILE (INCLUDING FLOORS, WALLS & LANE MARKERS) AND SOUND POOL SURFACE FOR LOOSE TILE AND MORTAR BED. REFER TO "POOL CLEANING NOTES" ON THIS PAGE AND PROPOSED WORK ON DRAWING A2.02 FOR ADDITIONAL INFORMATION.
 - ADD ALTERNATE #2 - POOL DECK EPOXY:** GC TO REMOVE EXISTING FLOOR FINISH FROM POOL DECK INCLUDING ANY ASSOCIATED ADHESIVES, NAILERS, ETC., DOWN TO EXISTING SUB-FLOOR. PREP. SUB-FLOOR AS REQUIRED FOR INSTALLATION OF NEW POOL DECK FINISH. SEE FLOOR FINISH PLAN ON A9.01 FOR ADDITIONAL INFORMATION.
 - ADD ALTERNATE #3 - POOL RETURN DRAIN:** GC TO REMOVE EXISTING DRAIN COVER, CLEAN COVERS AND DRAIN.
 - ADD ALTERNATE #3 - HYDROSTATIC RELIEF VALVES:** GC TO INSPECT EXISTING RELIEF VALVES FOR SOUNDNESS. CLEAN VALVES AS REQUIRED. GC TO REMOVE VALVE AS REQUIRED FOR INSTALLATION OF NEW GROUT AND ENSURE FUNCTIONALITY.
 - ADD ALTERNATE #3 - UNDERWATER WET NICHE LIGHT:** GC TO INSPECT EXISTING LIGHTS FOR SOUNDNESS. REMOVE HOUSINGS AS NECESSARY FOR EXISTING TILE GROUT REMOVAL. SALVAGE FOR REINSTALLATION.
 - ADD ALTERNATE #2 - POOL DECK TRENCH DRAIN:** GC TO REMOVE EXISTING DRAIN COVERS AND CLEAN COVERS AND DRAIN. PREP AS REQUIRED FOR INSTALLATION OF NEW POOL DECK COATING.
 - ADD ALTERNATE #2 - TILE DEPTH INDICATOR:** GC TO REMOVE EXISTING 1"x1" MOSAIC TILE INDICATOR. PREPARE SUBSURFACE FOR NEW DEPTH INDICATOR TILE.
 - ADD ALTERNATE #3 - BREAK LINE INDICATOR:** GC TO REPAIR ANY 4" WIDE BLUE STRIPE CONT. VERT. BREAK LINES SURFACES TO MATCH EXISTING.
 - ADD ALTERNATE #2 - POOL GUTTERS:** GC TO CLEAN EXISTING STAINLESS STEEL GUTTERS, TYPICAL.
 - ADD ALTERNATE #2 - BLEACHERS:** GC TO TEMPORARILY REMOVE EXISTING BLEACHERS, CLEAN AND STORE IN A SECURE SPACE. SALVAGE FOR REINSTALLATION.
 - ADD ALTERNATE #4 - SKYLIGHT:** GC TO REMOVE EXISTING SKYLIGHT, TYPICAL OF 16. CLEAN AND PREPARE ASSEMBLY FOR NEW SKYLIGHT PANEL.
 - ADD ALTERNATE #4 - KALWALL OPERABLE SKYLIGHT:** GC TO REMOVE EXISTING KALWALL SKYLIGHT OPERABLE PANEL SYSTEM. CLEAN AND PREPARE ASSEMBLY FOR NEW PANEL INSTALLATION.
 - ADD ALTERNATE #4 - KALWALL FIXED SKYLIGHT:** GC TO REMOVE EXISTING KALWALL SKYLIGHT FIXED PANEL SYSTEM (AT FIXED GABLE END AND SHORT VERTICAL END). CLEAN AND PREPARE ASSEMBLY FOR NEW PANEL INSTALLATION.
 - ADD ALTERNATE #5 - DOOR:** GC TO REMOVE EXISTING DOOR AND DISCARD IN ITS ENTIRETY. SEE PROPOSED PLAN ON A2.01 AND SPECIFICATION SECTION 012300.
 - ADD ALTERNATE #2 - ACCESS HATCH:** GC TO REMOVE EXISTING FLOOR FINISH FROM ACCESS HATCH INCLUDING ANY ASSOCIATED ADHESIVES, NAILERS, ETC., DOWN TO EXISTING SUB-FLOOR. PREP. SUB-FLOOR AS REQUIRED FOR INSTALLATION OF NEW POOL DECK FINISH. SEE FLOOR FINISH PLAN ON A9.01 FOR ADDITIONAL INFORMATION.

POOL CLEANING NOTES:
 CONTRACTOR SHALL DRAIN POOL UNDER THE SUPERVISION OF A CERTIFIED POOL OPERATOR.
 CONTRACTOR TO POWER WASH POOL WITH A 5,000-7,000 PSI AUTOMATIC OSCILLATING AND SPINNING SPRAY NOZZLE. CONTRACTOR TO SOUND EXISTING POOL WALLS AND FLOOR FOR LOOSE OR DELAMINATED TILES AND/OR MORTAR BED. IF HOLLOW AREAS ARE FOUND, CONTRACTOR TO REMOVE AND REPLACE TILE AND MORTAR BED IN LIKE AND KIND. CONTRACTOR TO QUANTIFY AREA AND NOTIFY ARCHITECT AND OWNER PRIOR TO REMOVAL.
 CONTRACTOR TO INCLUDE REPLACEMENT OF 15% OF POOL TILE IN BID. TILE TO BE REPLACED IN LIKE AND KIND TO THAT OF EXISTING.

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Revisions:
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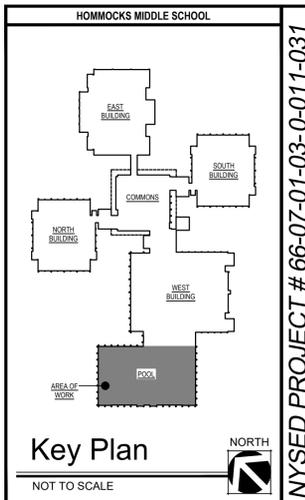
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POOL FLOOR DEMOLITION PLAN - ADD. ALT.
 POOL LOCKER ROOM RENOVATIONS AT
 HOMMOCKS MIDDLE SCHOOL
 1-30 HOMMOCKS ROAD
 LARCHMONT, NY 10538

Job No. 4.1092.87
 File No. 4109287A103

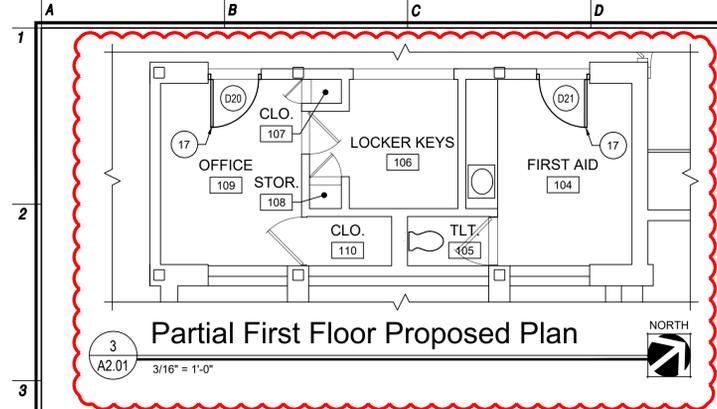
A1.03



1 Pool Floor Demolition Plan
 1/8" = 1'-0"

ADD ALTERNATE

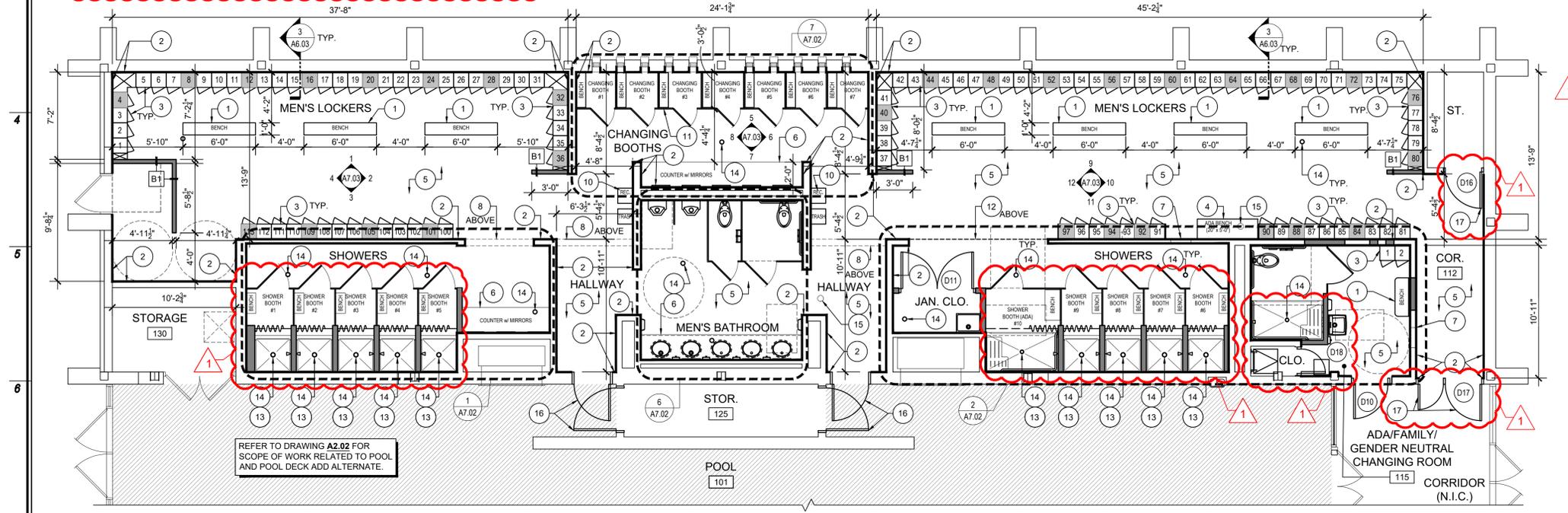
NYSED PROJECT # 66-07-01-03-0-011-031



Locker Quantities HATCH DENOTES SINGLE STACK LOCKER

ROOM	EX. SINGLE LOCKERS	EX. DOUBLE LOCKERS	EX. LOCKER TOTAL	PROPOSED SINGLE LOCKERS	PROPOSED DOUBLE LOCKERS	PROPOSED LOCKER TOTAL
MEN'S	54	176	230	29	164	193
WOMEN'S	39	158	197	21	126	147
FAMILY CHANGING/ GENDER NEUTRAL	-	-	-	2	-	2
ADA FAMILY CHANGING/ GENDER NEUTRAL	-	-	-	2	-	2

- Construction Key Notes**
- GC TO PROVIDE AND INSTALL NEW BENCH. COLOR PER OWNER'S SELECTION FROM MANUFACTURER'S FULL RANGE. SEE A6.03 FOR ADDITIONAL INFORMATION.
 - GC TO INSTALL NEW EPOXY WALL SURFACE ON EXISTING BLOCK WALL. PREP WALL SURFACE AS REQUIRED FOR PROPER FINISH AND ADHESION PER MANUFACTURER'S SPECIFIC REQUIREMENTS. REFER TO FINISH SCHEDULE ON A7.01 AND SPECIFICATION FOR ADDITIONAL INFORMATION.
 - GC TO REINSTALL EXISTING LOCKERS ON NEW LOCKER BASES AND IN NEW CONFIGURATION AS SHOWN. CONTRACTOR SHALL REMEDY ANY BROKEN DOORS, LATCHES, HOOKS, ETC. FOR A FULLY FUNCTIONAL LOCKER SYSTEM. ALL LOCKERS ARE TO BE INSTALLED IN SEQUENTIAL NUMBERING PER OWNER'S REQUIREMENTS (RE-TAG AS NECESSARY).
 - GC TO PROVIDE AND INSTALL NEW ADA BENCH IN LOCATION SHOWN. SEE A6.03 FOR ADDITIONAL INFORMATION.
 - CONTRACTOR TO INSTALL NEW FLOOR FINISH OVER EXISTING SUB-FLOOR. CONTRACTOR SHALL PREP EXISTING FLOORING SURFACE AS REQUIRED FOR PROPER FINISH AND ADHESION OF NEW FLOORING PER MANUFACTURER'S SPECIFIC REQUIREMENTS. REFER TO FINISH FLOOR PLAN AND FLOOR FINISH LEGEND ON DRAWING A9.01 FOR ADDITIONAL INFORMATION.
 - GC TO INSTALL NEW SOLID SURFACE COUNTERTOP. SEE INTERIOR ELEVATIONS & DETAIL FOR ADDITIONAL INFORMATION.
 - EXISTING ELECTRICAL PANEL TO REMAIN.
 - EXISTING BULKHEAD TO REMAIN.
 - GC TO PROVIDE AND INSTALL NEW SUSPENDED GYP. BD. CEILING. REFER TO REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION.
 - GC TO PROVIDE AND INSTALL WASTE AND RECYCLING RECEPTACLES. SEE A7.01-A7.05 FOR ADDITIONAL INFORMATION.
 - GC TO PROVIDE AND INSTALL NEW CHANGING BOOTHS. SEE A7.01-A7.05 FOR ADDITIONAL INFORMATION.
 - GC TO PROVIDE AND INSTALL NEW BULKHEAD ABOVE. REFER TO RCP ON DRAWING A5.01 AND DETAIL 3/A5.01 FOR ADDITIONAL INFORMATION.
 - GC TO PROVIDE AND INSTALL NEW SHOWER PAN. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
 - GC TO PROVIDE AND INSTALL NEW FLOOR DRAIN. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION AND FLOOR TRENCHING PLAN ON A1.02 FOR ADDITIONAL INFORMATION.
 - EXISTING FLOOR CLEAN OUT TO REMAIN. SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
 - BASE ON PAINT EXISTING METAL DOORS AND FRAMES. SEE DRAWING A2.04 FOR ADDITIONAL INFORMATION.
 - GC TO PROVIDE AND INSTALL NEW DOOR FRAME, DOOR AND HARDWARE TO BE PROVIDED BY OWNER AND INSTALLED BY GC.



Legend (REFER TO DEMOLITION & PROPOSED FLOOR PLANS)

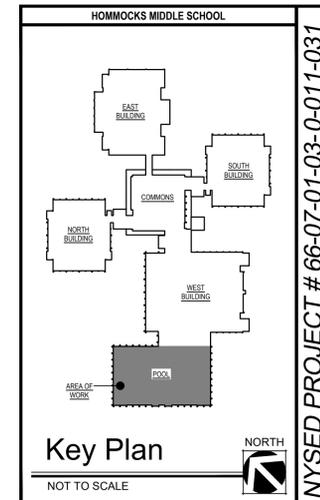
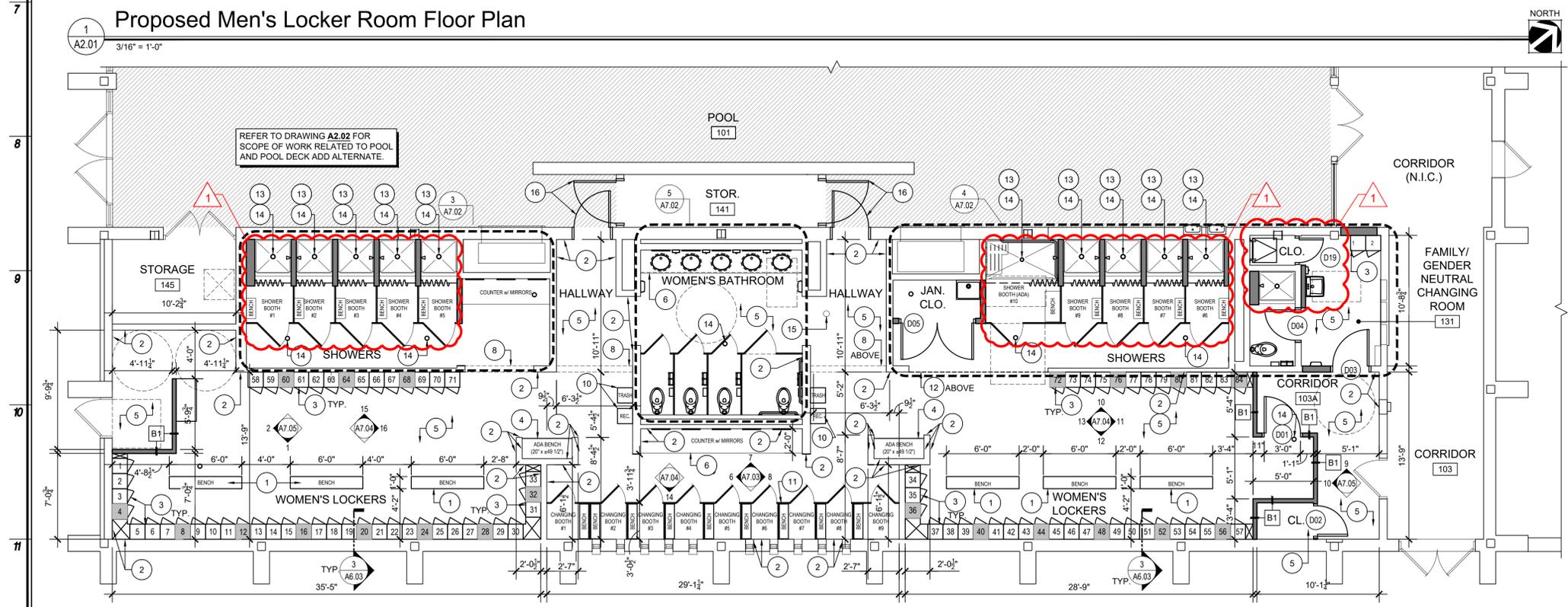
SYMBOL	DESCRIPTION
[Hatched Box]	NEW CONSTRUCTION (FRAMING)
[Dashed Box]	EXISTING WALLS TO REMAIN
[Hatched Box]	ADD. ALTERNATE SCOPE. SEE A1.03 AND A2.02 FOR ADDITIONAL INFORMATION.
[Door Symbol]	NEW DOORS

DUCTWORK REMOVAL PATCH NOTE:
 GC TO PATCH HOLES LEFT DUE TO REMOVAL OF DUCTWORK ETC. IN MASONRY AND OTHER WALL/FLOOR/CEILING CONSTRUCTION WITH NEW MATERIAL TO MATCH EXISTING. PAINT TO MATCH ADJACENT SURFACES WHERE APPLICABLE. GC TO COORDINATE WITH MC FOR EXACT LOCATION AND EXTENT OF REPAIR WORK.

MULTIPLE PRIME CONTRACTOR ABBREVIATIONS:
 GC - GENERAL CONTRACTOR
 MC - MECHANICAL CONTRACTOR
 EC - ELECTRICAL CONTRACTOR
 PC - PLUMBING CONTRACTOR

MULTIPLE PRIME CONTRACTOR NOTES:
 REFER TO SHEET A1.01 FOR NOTES REGARDING COORDINATION OF WORK AMONGST MULTIPLE PRIME CONTRACTORS

NOTE: REFER TO A7.02 FOR ENLARGED PLANS AND ADDITIONAL INFORMATION.



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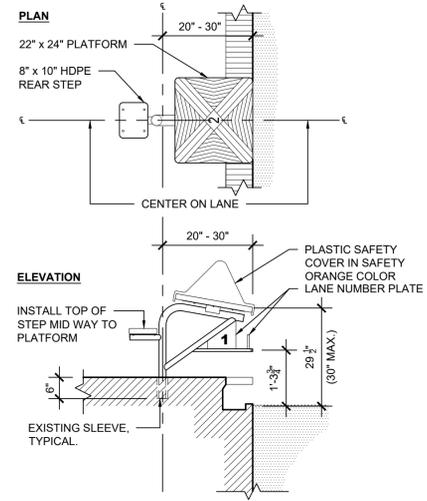
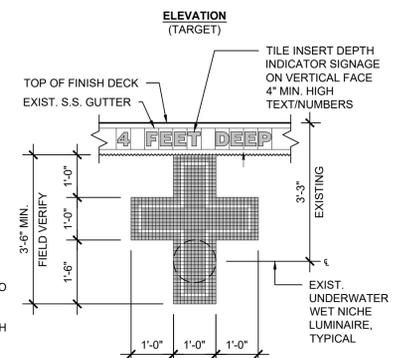
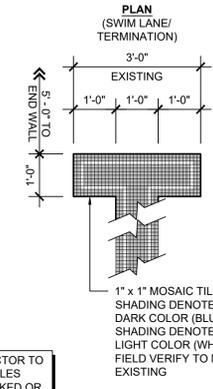
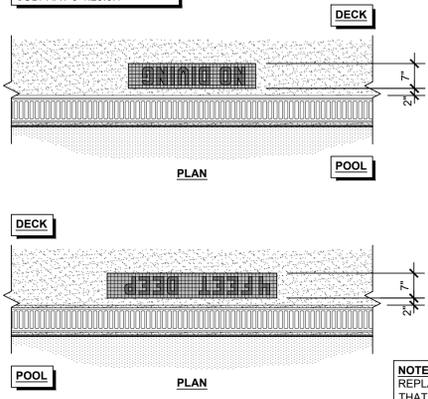
PROPOSED PARTIAL FIRST FLOOR PLAN
 POOL LOCKER ROOM RENOVATIONS AT
 HOMMOCKS MIDDLE SCHOOL
 130 HOMMOCKS ROAD
 LARCHMONT, NY 10538

Job No. 4.1092.87
 File No. 4109287A201

A2.01

NYSED PROJECT # 66-07-01-03-0-011-031

ALL DEPTH MARKERS SHALL COMPLY WITH NYSCR SUBPART 6-1.29.6.1



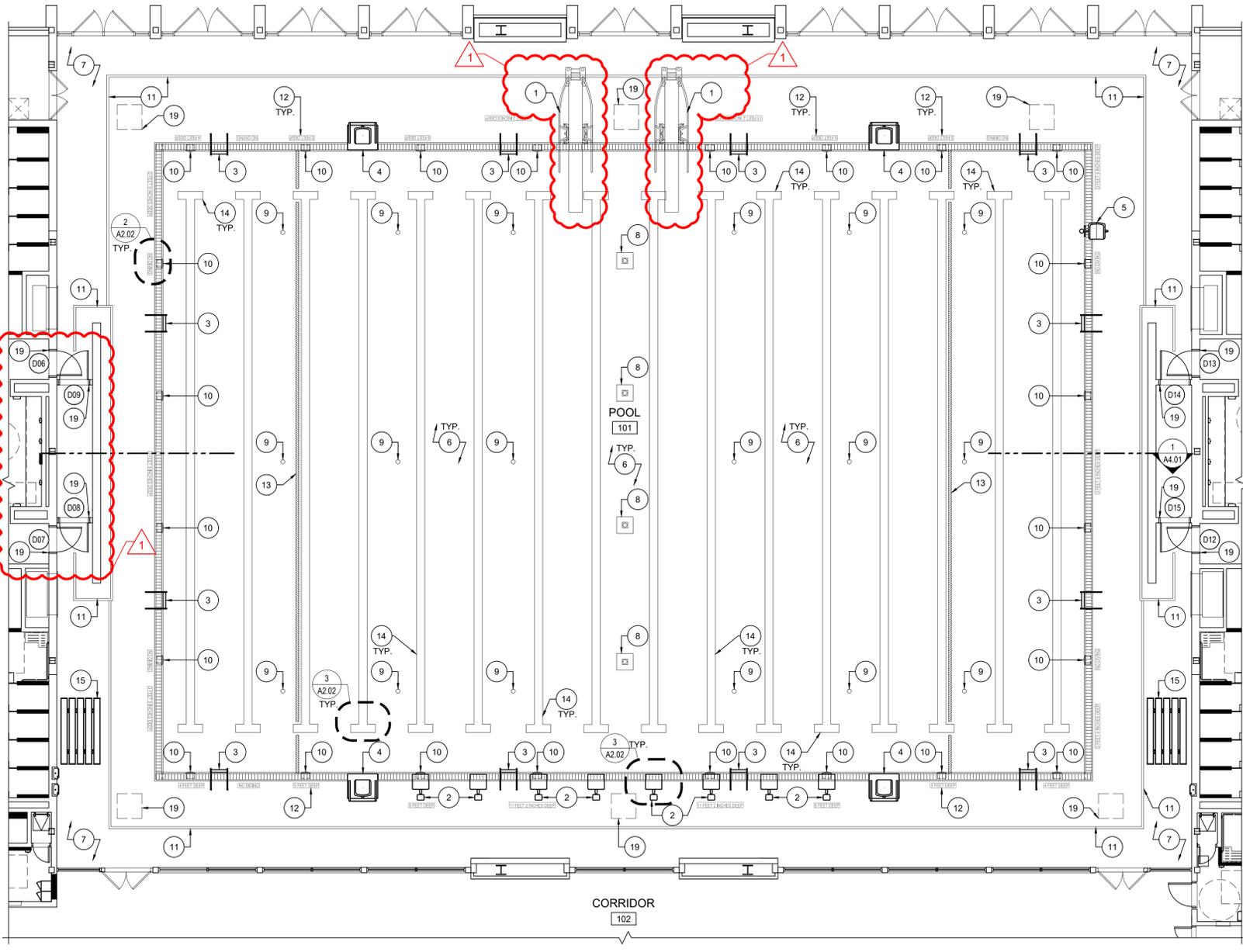
2 Tile Depth Markers
A2.02 1/2" = 1'-0"
POOL PERIMETER/
ADD ALTERNATE #2

3 Lane Markings
A2.02 1/2" = 1'-0"
POOL WALL & FLOOR/
ADD ALTERNATE #3

4 Starting Blocks
A2.02 1/2" = 1'-0"
POOL PERIMETER/
ADD ALTERNATE #1

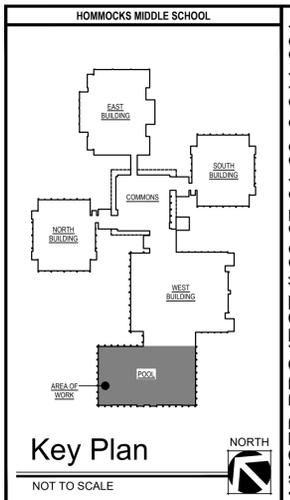
Add. Alternate Proposed Key Notes

1. **ADD ALTERNATE #1 - DIVING BOARDS:** DIVING BOARDS TO BE PROVIDED AND INSTALLED BY OTHERS.
2. **ADD ALTERNATE #1 - STARTING BLOCKS:** GC TO PROVIDE AND INSTALL NEW ACCELERATOR SINGLE POST STANDING PLATFORM BY 'SPECTRUM AQUATICS' IN EXISTING FLOOR MOUNTED SLEEVE AS PER MANUFACTURER'S REQUIREMENTS. SEE DETAIL 4/A2.02 FOR ADDITIONAL INFORMATION.
3. **ADD ALTERNATE #2 - POOL LADDERS:** GC TO REINSTALL POOL LADDERS PER MANUFACTURER'S REQUIREMENTS.
4. **ADD ALTERNATE #2 - LIFE GUARD CHAIRS:** GC TO REINSTALL EXISTING LIFE GUARD CHAIRS PER MANUFACTURER'S REQUIREMENTS.
5. **ADD ALTERNATE #2 - ADA POOL CHAIR LIFT:** GC TO REINSTALL EXISTING ADA POOL CHAIR LIFT PER MANUFACTURER'S REQUIREMENTS.
6. **ADD ALTERNATE #3 - GROUT POOL:** GC TO RE-GROUT EXISTING 1"x1" MOSAIC TILE, WALLS, FLOORS, AND LANE MARKERS WITH 'SECURITY PLYMER GROUT' BY 'SOUTHERN GROUT AND MORTARS (SGM)'. INSTALLATION SHALL ADHERE STRICTLY TO MANUFACTURER'S INSTRUCTIONS. COLOR TO BE SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE. GC TO PROVIDE AND INSTALL NEW TILES AS REQUIRED TO REPLACE BROKEN OR CRACKED TILES.
7. **ADD ALTERNATE #2 - POOL DECK EPOXY FLOOR:** PATTERN IN EPOXY FLOORS AND DIMENSIONS (S) SHOWN TO ILLUSTRATE DESIGN INTENT AND FOR PRICING PURPOSES ONLY. PROVIDE DIMENSIONED SHOP DRAWINGS WITH PROPOSED FLOOR PATTERN LAYOUT FOR ARCHITECT AND OWNER APPROVAL. FIELD AND ACCENT COLORS TO BE SELECTED BY ARCHITECT AFTER SHOP DRAWING APPROVAL. EPOXY COVE BASE TO MATCH ADJACENT ACCENT OR FIELD FLOOR COLOR. TYPICAL. REFER TO A9.01 FOR ADDITIONAL INFORMATION.
8. **ADD ALTERNATE #3 - POOL RETURN DRAIN:** GC TO REINSTALL EXISTING DRAIN COVER.
9. **ADD ALTERNATE #3 - HYDROSTATIC RELIEF VALVES:** GC TO REINSTALL EXISTING RELIEF VALVES/COVERS.
10. **ADD ALTERNATE #3 - UNDERWATER WET NICHE LIGHT:** GC TO REINSTALL EXISTING HOUSING PER MANUFACTURER'S REQUIREMENTS.
11. **ADD ALTERNATE #2 - POOL DECK TRENCH DRAIN:** GC TO REINSTALL EXISTING DRAIN COVERS.
12. **ADD ALTERNATE #2 - TILE DEPTH INDICATOR:** GC TO PROVIDE AND INSTALL NEW TILE DEPTH INDICATORS. REFER TO 2/A2.02 FOR ADDITIONAL INFORMATION. DEPTH MARKERS SHALL CONFORM TO THE REQUIREMENTS OF THE NYS POOL CONSTRUCTION CODE SUB PART 6-1.
13. **ADD ALTERNATE #3 - BREAK LINE INDICATOR:** GC TO REGROUT EXISTING BREAK LINE INDICATION AND PROVIDE/INSTALL NEW TILES AS REQUIRED TO REPLACE CRACKED OR BROKEN TILES. COLOR TO MATCH EXISTING MOSAIC TILE.
14. **ADD ALTERNATE #3 - LANE MARKERS:** GC TO REGROUT EXISTING LANE MARKERS WITH NEW GROUT. INSTALL NEW TILES AS REQUIRED TO REPLACE BROKEN OR CRACKED TILES. REFER TO DETAIL 3/A2.02.
15. **ADD ALTERNATE #2 - BLEACHERS:** GC TO REINSTALL EXISTING BLEACHERS FOR ADDITIONAL INFORMATION.
16. **ADD ALTERNATE #4 - SKYLIGHT:** GC TO INSTALL NEW SKYLIGHT, TYPICAL OF 16. REFER TO 3/A6.05 FOR ADDITIONAL INFORMATION.
17. **ADD ALTERNATE #4 - KALWALL OPERABLE SKYLIGHT:** GC TO INSTALL NEW KALWALL SKYLIGHT OPERABLE PANEL SYSTEM. REFER TO 1/A6.05 FOR ADDITIONAL INFORMATION.
18. **ADD ALTERNATE #4 - KALWALL FIXED SKYLIGHT:** GC TO INSTALL EXISTING KALWALL SKYLIGHT FIXED PANEL SYSTEM (AT FIXED GABLE END AND SHORT VERTICAL END). REFER TO 2/A6.05 FOR ADDITIONAL INFORMATION.
19. **ADD ALTERNATE #5 - NEW DOOR:** GC TO PROVIDE AND INSTALL NEW DOOR, FRAME AND HARDWARE. BASE BID TO PAINT DOOR AND FRAME ONLY.
20. **ADD ALTERNATE #5 - ACCESS HATCH:** GC TO EPOXY EXISTING ACCESS HATCH WITH NEW EPOXY FLOORING TO MATCH POOL DECK. REFER TO DRAWING A9.01 FOR ADDITIONAL INFORMATION.



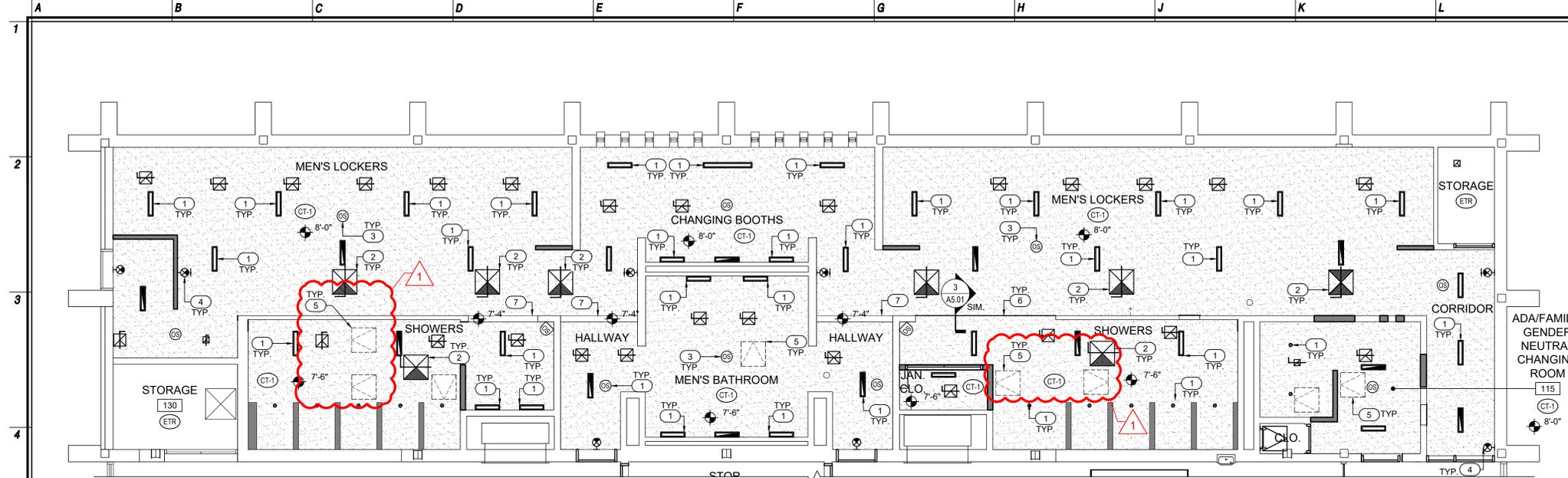
1 Proposed Pool Floor Plan
A2.02 1/8" = 1'-0"

5 Reserved
A2.02 3/8" = 1'-0"
ADD ALTERNATE #1



Key Plan
NOT TO SCALE

NY Certificate of Authorization
 Eng'r. No. 0018867
 Date 9/15/23
 Checked TT
 Drawn BP
 License No. 038812-1 | Exp. 12/31/25
DANIELLE L. FARRELL, R.A.
 THE REGISTERED ARCHITECT
Revisions:
 08/30/24
 ISSUE FOR BID
 09/16/24
 BID ADDENDUM #1
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 Engineering, Planning, Architecture, Surveying LLP
LAN ASSOCIATES
 252 Main Street, Goshen, New York 10924 | t. 845-615-0350 | f. 845-615-0351
PROPOSED POOL FLOOR PLAN - ADD ALT.
 POOL LOCKER ROOM RENOVATIONS AT
 HOMMOCKS MIDDLE SCHOOL
 1-30 HOMMOCKS ROAD
 LARCHMONT, NY 10538
 Job No. 4.1092.87
 File No. 4109287A202
A2.02
 NYSED PROJECT # 66-07-01-03-0-011-031



Symbol Legend

SYMBOL	DESCRIPTION
	DATUM: FINISH CEILING HEIGHT ABOVE FINISH FLOOR
	CEILING TYPE (REFER TO CEILING TYPES SCHEDULE)
	LIGHTING FIXTURES - REFER TO ELECTRICAL PLANS FOR EXACT LIGHTING FIXTURE LOCATIONS. CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR CEILING DIFFUSER LOCATIONS.
	CEILING MOUNTED EQUIPMENT - REFER TO ELECTRICAL PLANS FOR EXACT FIXTURE LOCATIONS. CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR FOR CEILING DIFFUSER LOCATIONS.
	MECHANICAL DIFFUSERS - REFER TO MECHANICAL PLANS FOR EXACT CEILING DIFFUSER LOCATIONS. CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR LIGHT FIXTURE LOCATIONS.

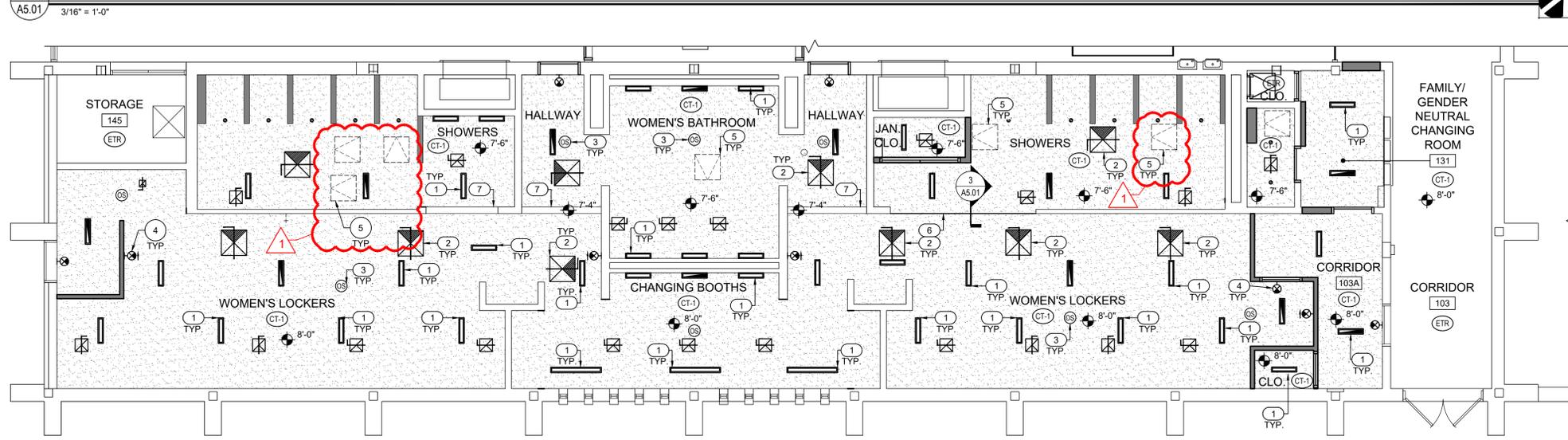
- ### Typical Ceiling Notes
- PENETRATIONS THROUGH CEILINGS ARE TO BE PROTECTED PER RATED DESCRIPTIONS. REFER TO FIRE RESISTANT RATED ASSEMBLIES WALL AND CEILING TYPES.
 - ALL ACCESS PANELS, HATCHES/LADDERS, GYPSUM BOARD SOFFITS, BULKHEAD, HVAC GRILLES AND REGISTERS, SHALL BE PAINTED TO MATCH CEILING FINISHES.
 - SUSPENDED ACOUSTIC TILE CEILINGS SHALL BE CENTERED IN SPACE IN BOTH DIRECTIONS TO MINIMIZE WASTE AS REQUIRED, UNLESS OTHERWISE INDICATED. FIELD VERIFY.
 - TENT ALL LIGHT FIXTURES IN RATED FLOOR/CEILING, ROOF/CEILING ASSEMBLIES AS REQUIRED. REFER TO FIRE RESISTANT RATED ASSEMBLIES DRAWING FOR ADDITIONAL INFORMATION.
 - ALL CONTRACTORS (I.E. MECHANICAL, ELECTRICAL, PLUMBING) ARE REQUIRED TO COORDINATE THEIR WORK WITH INDIVIDUAL CEILING FINISHES. ALL DISTURBED AREAS RESULTING FROM CONTRACTORS OPERATIONS SHALL BE PATCHED AND DAMAGED AREAS AS A RESULT OF CONTRACTORS OPERATIONS SHALL BE PATCHED AND REPAIRED TO MATCH.
 - FIELD VERIFY ALL DIMENSIONS AND CLEARANCES. COORDINATE INSTALLATION OF LIGHTING, EQUIPMENT, MECHANICAL DUCTWORK, ETC. TO ENSURE PROPER INSTALLATION.
 - ALL COLORS AND PATTERNS TO BE SELECTED BY OWNER/ARCHITECT, TYPICAL.
 - CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY ACCESSORIES INCLUDING PERIMETER MOLDINGS, FASTENERS, SUPPORT WIRES, TRIM, ETC. FOR A COMPLETE INSTALLATION.
 - ALL LIGHTING FIXTURES SHOWN ON REFLECTED CEILING PLAN ARE SHOWN FOR DIAGRAMMATIC PURPOSES ONLY. REFER TO ELECTRICAL LIGHTING PLAN FOR ACTUAL LOCATIONS.
 - AT LOCATIONS WHERE NEW CEILING ADJOINS, ABUTS, OR EXTENDS AN EXISTING CEILING, NEW CEILING GRID SHALL MATCH THAT OF EXISTING.

Ceiling Types

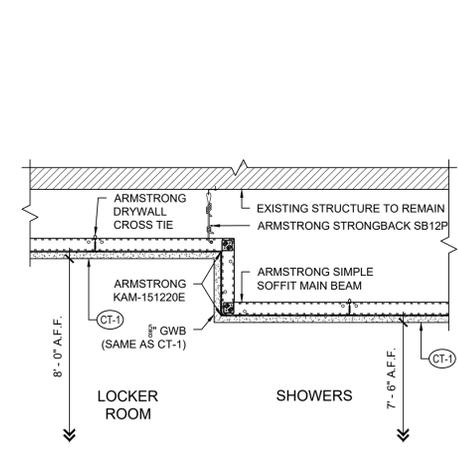
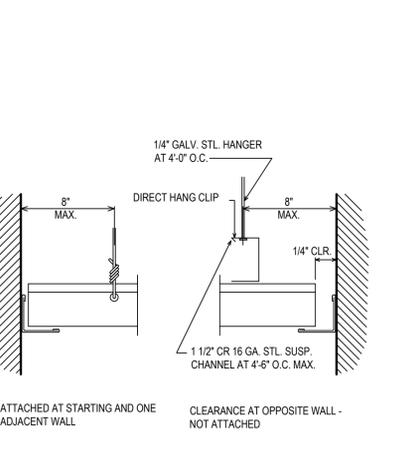
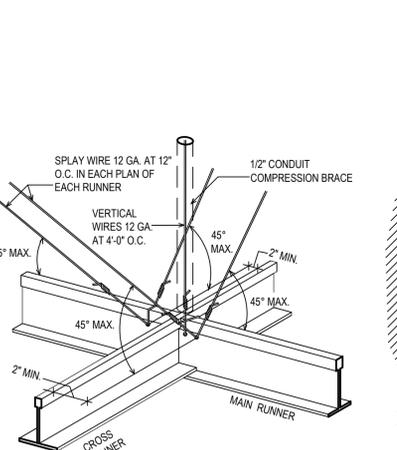
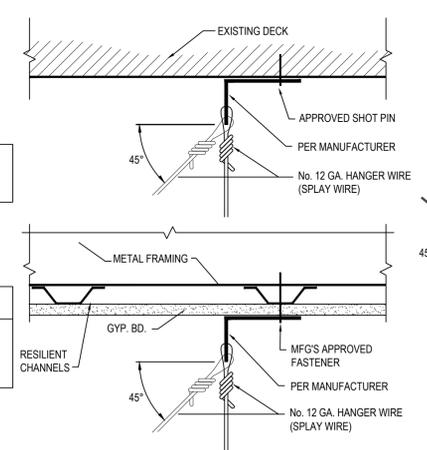
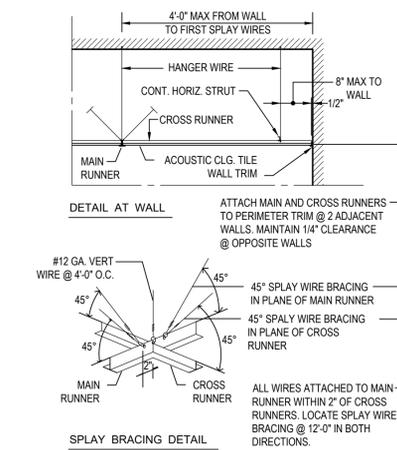
MARK	DESCRIPTION	SYMBOL
CT-1	5/8" THICK 'DENSARMOR PLUS' ABUSE-RESISTANT BRAND ABUSE/WATER/MOLD/FIRE-RESISTANCE INTERIOR PANELS. FINISH JOINTS AND PAINT. TYP. USE DRYWALL SUSPENSION GRID UNO	
ETR	EXISTING TO REMAIN	

- ### RCP Construction Key Notes
- EC TO INSTALL NEW LIGHT FIXTURE, TYPICAL. REFER TO ELECTRICAL LIGHTING PLAN & FIXTURE SCHEDULE ON DRAWING **E5.01**.
 - MC TO INSTALL NEW DIFFUSER, TYPICAL. REFER TO MECHANICAL PLAN ON DRAWING **M2.01**.
 - EC TO INSTALL NEW OCCUPANCY SENSOR, TYPICAL. REFER TO ELECTRICAL LIGHTING PLAN ON DRAWING **E5.01**.
 - EC TO INSTALL NEW EMERGENCY LIGHT AND/OR EXIT SIGN. REFER TO ELECTRICAL LIGHTING PLAN ON DRAWING **E5.01**.
 - GC TO PROVIDE AND INSTALL NEW 24" X 24" ACCESS DOOR, MODEL "LT-4000" BY 'ACUDOR' IN SCHEDULED CEILING. GC TO COORDINATE LOCATIONS OF ALL ACCESS PANELS WITH PC PRIOR TO INSTALLATION.
 - GC TO PROVIDE AND INSTALL NEW BULKHEAD. REFER TO DETAIL **3/A5.01** FOR ADD. INFO.
 - EXISTING BULKHEAD TO REMAIN.

1 Proposed Men's Locker Room RCP



2 Proposed Women's Locker Room RCP



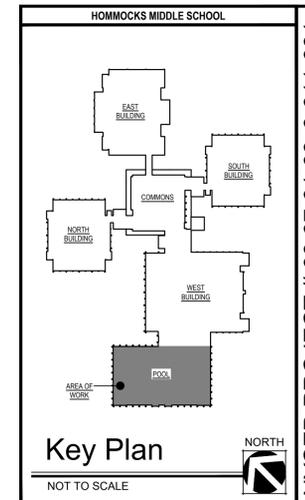
A Typ. Seismic Bracing 3/8" = 1'-0" SUSPENSION CEILING SYSTEM

B Typ. Hanger Wire Detail 1-1/2" = 1'-0" SUSPENSION CEILING SYSTEM

C Typ. Susp. Ceiling Detail 1-1/2" = 1'-0" SUSPENSION CEILING SYSTEM

D Typ. Cng. Edge Detail 1-1/2" = 1'-0" SUSPENSION CEILING SYSTEM

3 Typical Bulkhead Detail 1-1/2" = 1'-0"



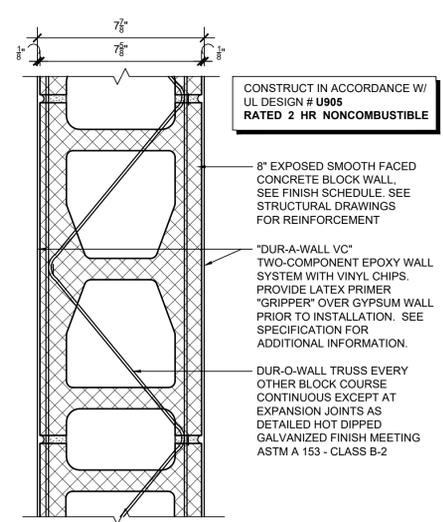
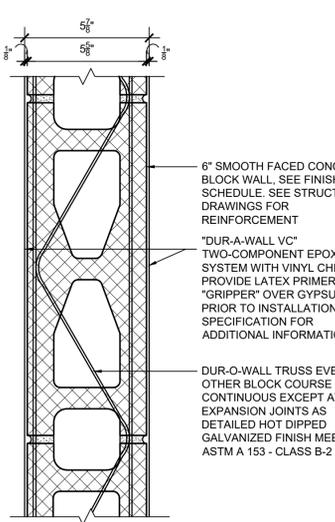
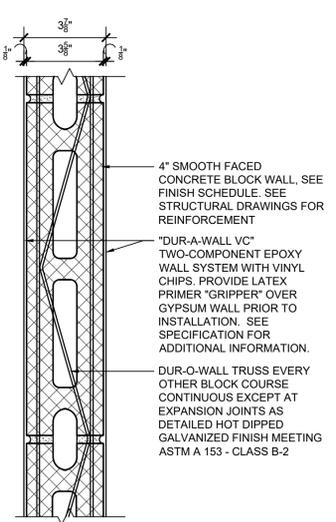
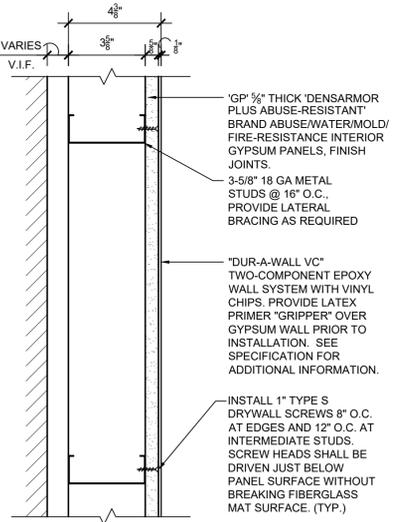
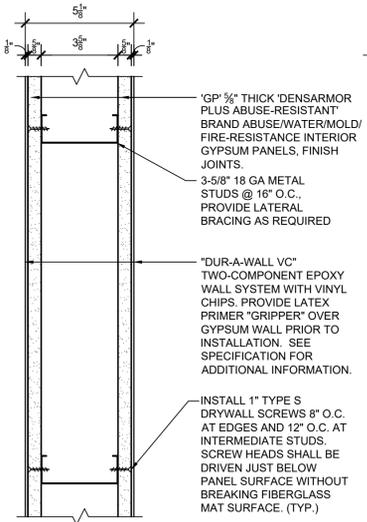
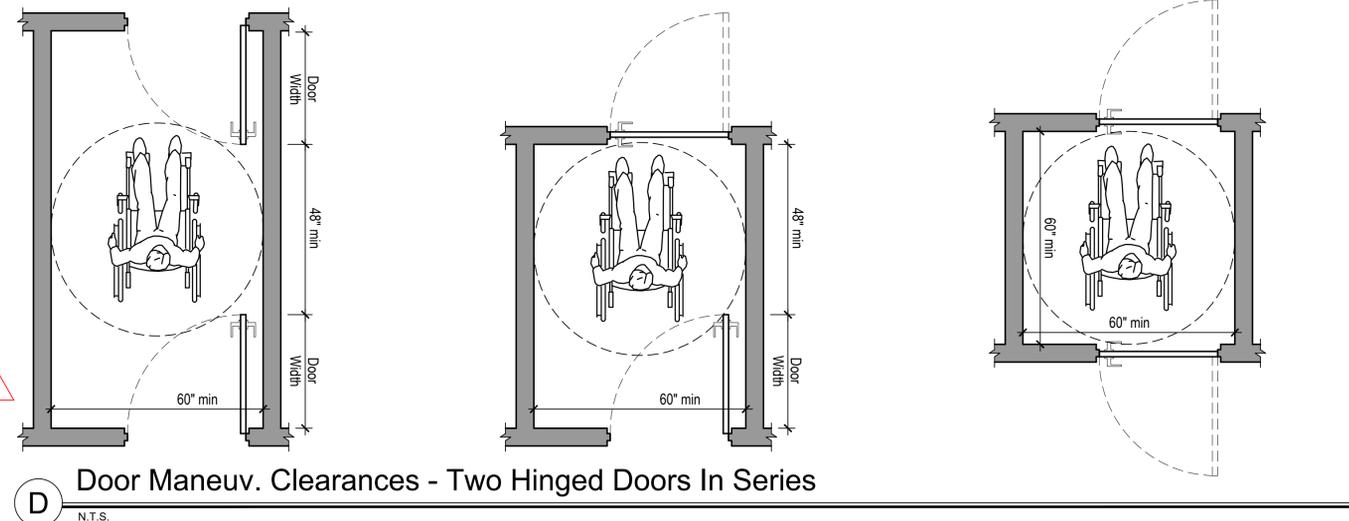
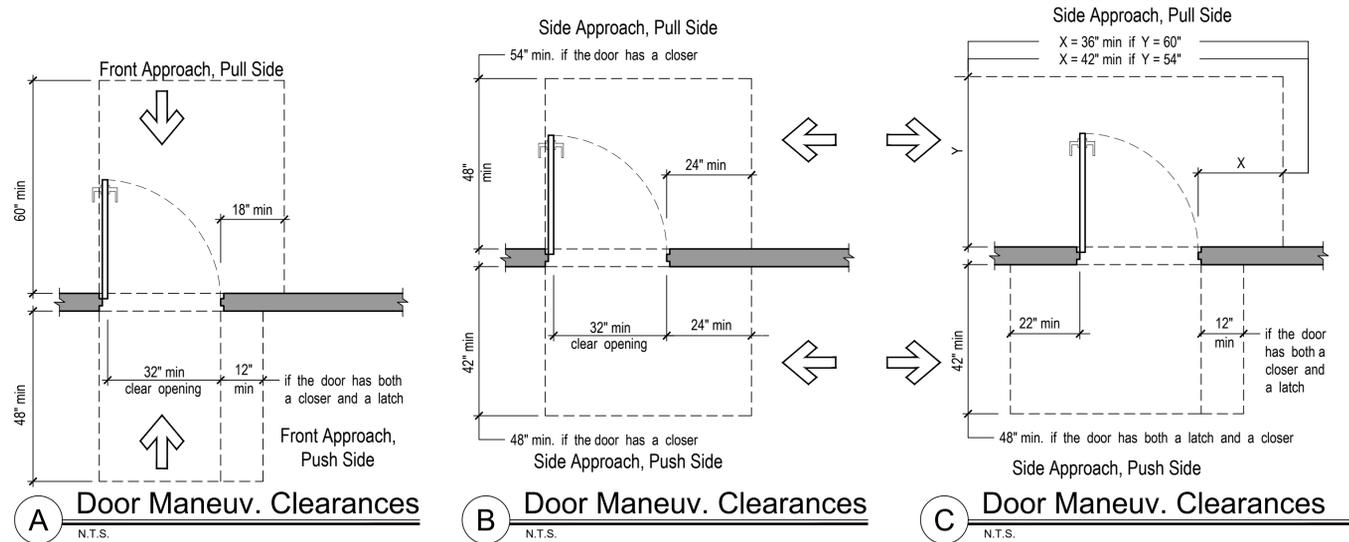
NY Certificate of Authorization
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 Drawn BP
 License No. 038812-1 | Exp. 12/31/25
DANIELLE L. FARRELL, R.A.
 THE REGISTERED ARCHITECT
 Revisions:
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 Engineering, Planning, Architecture, Surveying LLP
LAN ASSOCIATES
 252 Main Street, Goshen, New York 10924 | L. 845-615-0350 | F. 845-615-0351
 NYSED PROJECT # 66-07-01-03-0-011-031
 PROPOSED PARTIAL FIRST FLOOR RCP
 POOL LOCKER ROOM RENOVATIONS AT
 HOMMOCKS MIDDLE SCHOOL
 1-30 HOMMOCKS ROAD
 LARCHMONT, NY 10538
 Job No. 4.1092.87
 File No. 4109287A501
A5.01

DOOR SCHEDULE

DOOR NO.	DOOR TYPE	ROOM NAME/ NUMBER	DOOR						FRAME			SILL			HARDWARE (SEE SPECIFICATIONS)			NOTES
			ACTION	MATERIAL	FIRE RATING	DOOR FINISH	DOOR SIZE		VISION PANEL	DETAIL NO.			HARDWARE SET	CLOSER	PANIC			
							WIDTH	HEIGHT		MAT.	HEAD	JAMB						
WOMENS LOCKER ROOM																		
D01	A	CORRIDOR 103A	SINGLE SWING	ALUM./FRP	-	PRIME/PAINT	3'-0"	7'-0"	-	FRP	1/A6.02	2/A6.02	3/A6.02		•	-		
D02	A	CLOSET	SINGLE SWING	ALUM./FRP	-	PRIME/PAINT	2'-6"	7'-0"	-	FRP	1/A6.02	2/A6.02	3/A6.02		•	-		
D03	A	FAMILY/GENDER NEUTRAL CHANGING ROOM 131	SINGLE SWING	ALUM./FRP	-	PRIME/PAINT	3'-0"	7'-0"	-	FRP	1/A6.02	2/A6.02	3/A6.02		•	-		
D04	A	FAMILY/GENDER NEUTRAL CHANGING ROOM 131	SINGLE SWING	ALUM./FRP	-	PRIME/PAINT	2'-6"	7'-0"	-	FRP	1/A6.02	2/A6.02	3/A6.02		•	-		
D05	B	SHOWERS (JANITOR'S CLOSET)	DOUBLE SWING	ALUM./FRP	-	PRIME/PAINT	6'-0"	7'-0"	-	FRP	4/A6.02	5/A6.02	6/A6.02		•	-		
D06	A	HALLWAY	SINGLE SWING	ALUM./FRP	-	PRIME/PAINT	3'-0"	7'-0"	-	FRP	1/A6.02	2/A6.02	3/A6.02		•	-	ADD ALTERNATE #5. SEE SPEC SECTION 012300.	
D07	A	HALLWAY	SINGLE SWING	ALUM./FRP	-	PRIME/PAINT	3'-0"	7'-0"	-	FRP	1/A6.02	2/A6.02	3/A6.02		•	-	ADD ALTERNATE #5. SEE SPEC SECTION 012300.	
D08	A	STORAGE 141	SINGLE SWING	ALUM./FRP	-	PRIME/PAINT	3'-6"	7'-0"	-	FRP	1/A6.02	2/A6.02	3/A6.02		-	-	ADD ALTERNATE #5. SEE SPEC SECTION 012300.	
D09	A	STORAGE 141	SINGLE SWING	ALUM./FRP	-	PRIME/PAINT	3'-6"	7'-0"	-	FRP	1/A6.02	2/A6.02	3/A6.02		-	-	ADD ALTERNATE #5. SEE SPEC SECTION 012300.	
MEN'S LOCKER ROOM																		
D10	A	ADA/FAMILY/GENDER NEUTRAL CHANGING ROOM	SINGLE SWING	ALUM./FRP	-	PRIME/PAINT	3'-0"	7'-0"	-	FRP	1/A6.02	2/A6.02	3/A6.02		•	-		
D11	B	SHOWERS (JANITOR'S CLOSET)	DOUBLE SWING	ALUM./FRP	-	PRIME/PAINT	6'-0"	7'-0"	-	FRP	4/A6.02	5/A6.02	6/A6.02		•	-		
D12	A	HALLWAY	SINGLE SWING	ALUM./FRP	-	PRIME/PAINT	3'-0"	7'-0"	-	FRP	1/A6.02	2/A6.02	3/A6.02		•	-	ADD ALTERNATE #5. SEE SPEC SECTION 012300.	
D13	A	HALLWAY	SINGLE SWING	ALUM./FRP	-	PRIME/PAINT	3'-0"	7'-0"	-	FRP	1/A6.02	2/A6.02	3/A6.02		•	-	ADD ALTERNATE #5. SEE SPEC SECTION 012300.	
D14	A	STORAGE 125	SINGLE SWING	ALUM./FRP	-	PRIME/PAINT	3'-6"	7'-0"	-	FRP	1/A6.02	2/A6.02	3/A6.02		-	-	ADD ALTERNATE #5. SEE SPEC SECTION 012300.	
D15	A	STORAGE 125	SINGLE SWING	ALUM./FRP	-	PRIME/PAINT	3'-6"	7'-0"	-	FRP	1/A6.02	2/A6.02	3/A6.02		-	-	ADD ALTERNATE #5. SEE SPEC SECTION 012300.	
D16	A	STORAGE	SINGLE SWING	ALUM./FRP	-	PRIME/PAINT	3'-0"	7'-0"	-	FRP	1/A6.02	2/A6.02	3/A6.02		-	-		
D17	D	MEN'S LOCKER ROOM	DOUBLE SWING	ALUM./FRP	-	PRIME/PAINT	5'-3"	7'-6"	-	FRP	1/A6.02	2/A6.02	3/A6.02		•	-	DOOR SLAB AND HARDWARE PROVIDED BY OWNER. UNEQUAL DOOR LEAVES	
D18	A	CLOSET - ADA/FAMILY/GENDER NEUTRAL CHANGING ROOM 115	SINGLE SWING	ALUM./FRP	-	PRIME/PAINT	2'-0"	7'-0"	-	FRP	1/A6.02	2/A6.02	3/A6.02		-	-		
D19	A	CLOSET - ADA/FAMILY/GENDER NEUTRAL CHANGING ROOM 131	SINGLE SWING	ALUM./FRP	-	PRIME/PAINT	2'-0"	7'-0"	-	FRP	1/A6.02	2/A6.02	3/A6.02		-	-		
D20	C	FIRST AID 104	SINGLE SWING	ALUM./FRP	-	PRIME/PAINT	3'-0"	7'-0"	-	FRP	1/A6.02	2/A6.02	3/A6.02		•	-	DOOR SLAB AND HARDWARE PROVIDED BY OWNER	
D21	C	OFFICE 109	SINGLE SWING	ALUM./FRP	-	PRIME/PAINT	3'-0"	7'-0"	-	FRP	1/A6.02	2/A6.02	3/A6.02		•	-	DOOR SLAB AND HARDWARE PROVIDED BY OWNER	

Door & Door Hardware Notes

- SEE DRAWING A6.02 FOR DOOR TYPES & DETAILS.
- DOOR ELEVATIONS & DOOR HARDWARE ARE PROVIDED TO DEMONSTRATE THE "TYPICAL" CONDITION. REFER TO DOOR SCHEDULE AND DOOR HARDWARE SPECIFICATION FOR ACTUAL DOOR HARDWARE REQUIREMENTS. REFER TO FINISH HARDWARE SPECIFICATION AND SCHEDULE FOR HARDWARE SET INFORMATION.
- CONTRACTOR TO FIELD VERIFY ALL MASONRY & ROUGH OPENING SIZES, DOOR SIZES, HINGE LOCATIONS, DOOR SWING ETC. AND PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO ORDERING DOORS.
- WHENEVER BRAND NAMES OR SPECIFIC PRODUCT SYSTEMS ARE INDICATED IT SHALL BE CLEARLY UNDERSTOOD THAT SUCH IDENTIFICATION IS FOR THE PURPOSE OF ILLUSTRATING THE TYPE OF PRODUCT AND DEGREE OF QUALITY DESIRED. SUCH IDENTIFICATION IN NO WAY PRECLUDES THE CONTRACTOR FROM USING PRODUCTS OF OTHER MANUFACTURERS WHICH CAN BE SHOWN PRIOR TO THE BID TO BE OF LIKE KIND AND OF EQUAL QUALITY.
- ALL DOOR FINISHES ARE SPECIFIED ON THE DOOR SCHEDULE AND NOTED IN THE SPECIFICATIONS. COLOR SHALL BE SELECTED BY OWNER FROM MANUFACTURER'S FULL RANGE.
- CONTRACTOR TO PATCH AND REPAIR ALL DISTURBED INTERIOR AND EXTERIOR FINISHES AS REQUIRED.
- CONTRACTOR SHALL VERIFY AND COORDINATE ALL HARDWARE WITH OWNER PRIOR TO ORDERING OR INSTALLING. COORDINATE WITH ACTUAL FIELD CONDITIONS FOR A COMPLETE INSTALLATION.
- CONTRACTOR SHALL COORDINATE WITH OWNER TO KEY ALL CYLINDERS TO MATCH EXISTING MASTER KEYING SYSTEM FOR COMPANY STANDARDS.
- ALL DOOR HARDWARE, CARD ACCESS READER AND SECURITY HARDWARE SHALL BE COORDINATED WITH OWNER REQUIREMENTS. PROVIDE POWER AS REQUIRED.
- GC TO PROVIDE AND INSTALL ALL REQUIRED BLOCKING, SHIMS, AND SEALANT FOR A COMPLETE INSTALLATION. WOOD TO BE PRESSURE TREATED WHERE APPLICABLE.



CONSTRUCT IN ACCORDANCE W/ UL DESIGN # U905
RATED 2 HR NONCOMBUSTIBLE

NY Certificate of Authorization
Eng'r. No. 0018867
Date 9/15/23
Checked TT
Drawn BP
DANIELLE L. FARRELL, R.A.
LICENSE NO. 038812-1 | EXP. 12/31/25
THE REGISTERED ARCHITECT

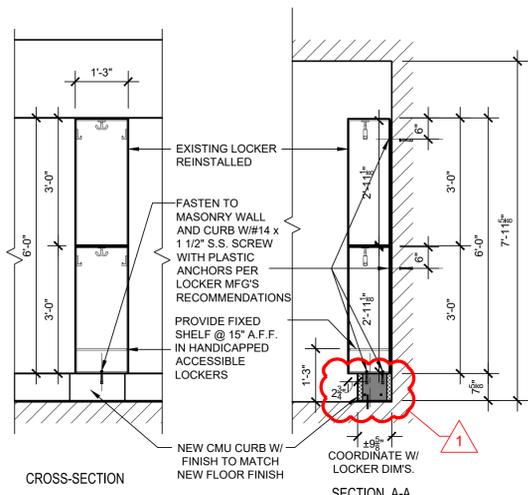
Revisions:
08/30/24 ISSUE FOR BID
09/16/24 BID ADDENDUM #1

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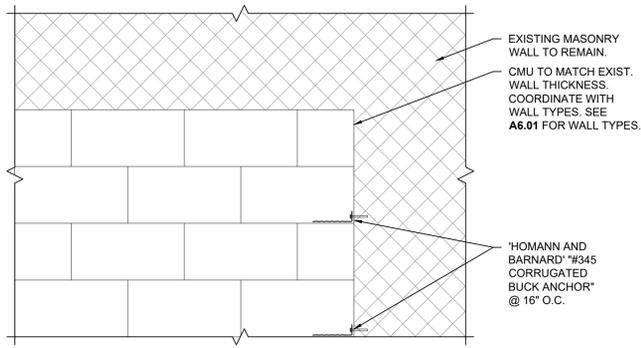
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252 Main Street, Goshen, New York 10924 | t. 845-615-0350 | f. 845-615-0351
LAN ASSOCIATES

DOOR SCHEDULE & PARTITIONS
POOL LOCKER ROOM RENOVATIONS AT
HOMMOCKS MIDDLE SCHOOL
130 HOMMOCKS ROAD
LARCHMONT, NY 10538
Job No. 4.1092.87
File No. 4109287A601

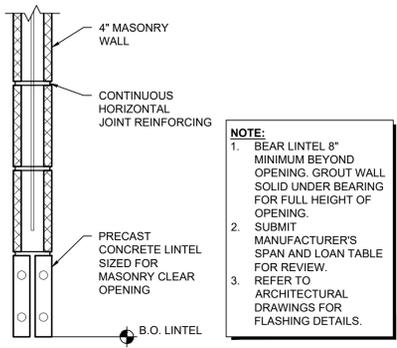
NYSED PROJECT # 66-07-01-03-0-011-031
A6.01



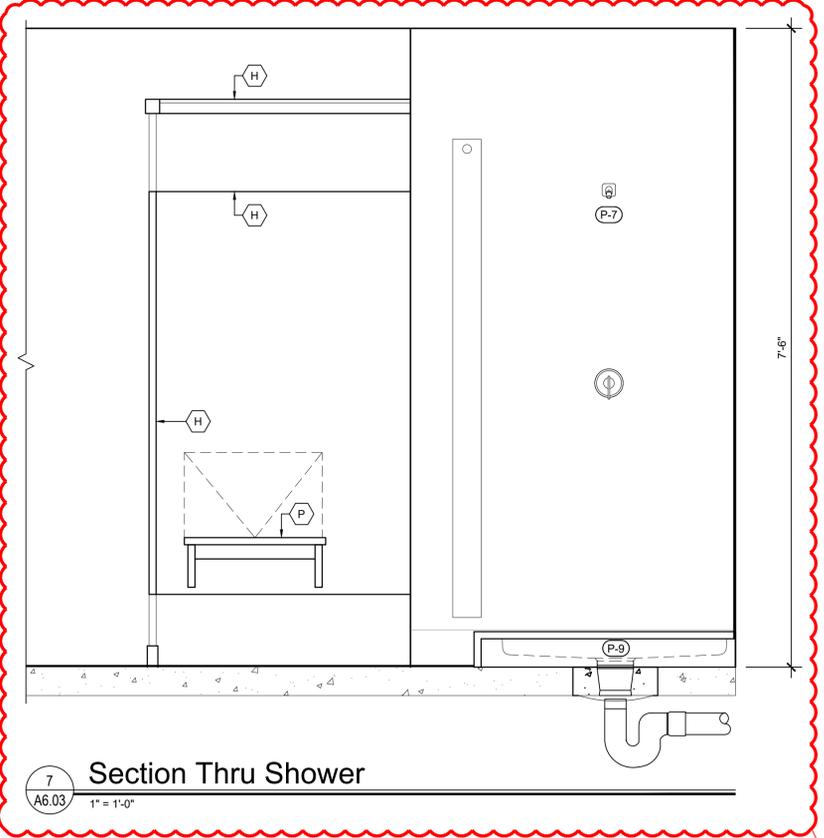
1 Locker Sections
A6.03 1/2" = 1'-0"
TYPICAL LOCKER ROOM



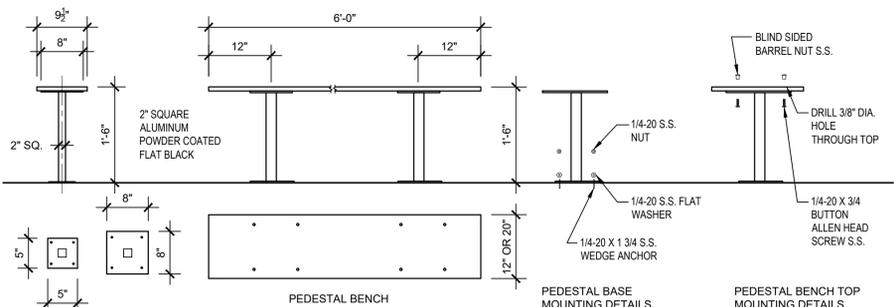
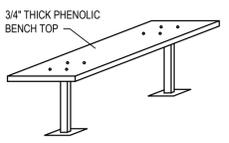
9 Typ. Masonry Wall Infill @ Exist. Opening
A6.03 N.T.S.



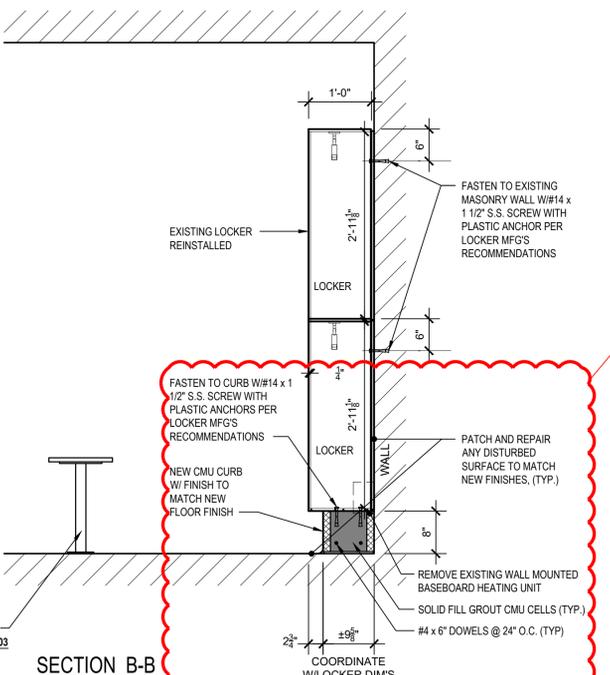
10 Typ. Precast Concrete Lintel in 4" Masonry Wall
A6.03 1 1/2" = 1'-0"



DESCRIPTION	# OF SUPPORTS
12" OR 16" X 36" PEDESTAL BENCH	2
12" OR 16" X 48" PEDESTAL BENCH	2
12" OR 16" X 60" PEDESTAL BENCH	2
12" OR 16" X 72" PEDESTAL BENCH	2
12" OR 16" X 84" PEDESTAL BENCH	3
12" OR 16" X 96" PEDESTAL BENCH	3



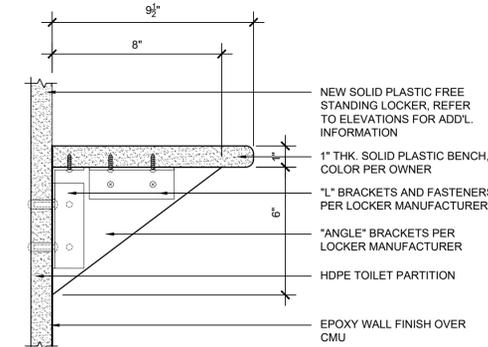
2 Floor Mounted Pedestal Bench Detail
A6.03 3/4" = 1'-0"



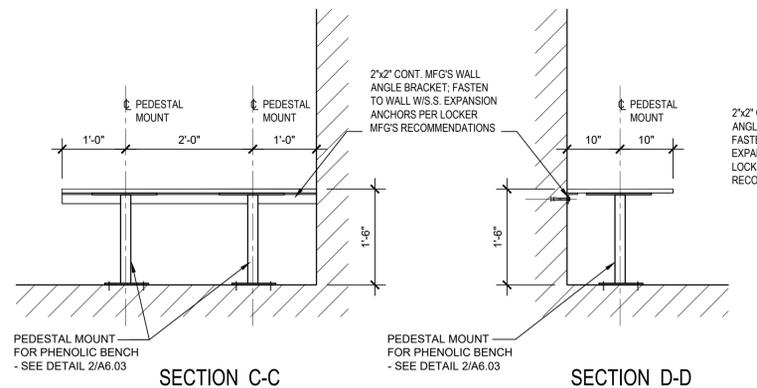
3 Locker Details
A6.03 3/4" = 1'-0"

DESCRIPTION	# OF SUPPORTS
12" X 36" WALL MOUNTED BENCH	2
12" X 48" WALL MOUNTED BENCH	2
12" X 60" WALL MOUNTED BENCH	3
12" X 72" WALL MOUNTED BENCH	3
12" X 84" WALL MOUNTED BENCH	4
12" X 96" WALL MOUNTED BENCH	4

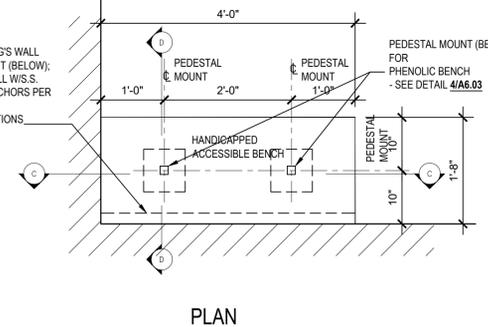
ANCHORING MUST BE INTO BACKING TO SUPPORT WEIGHT OF THE BENCH AND PERSON



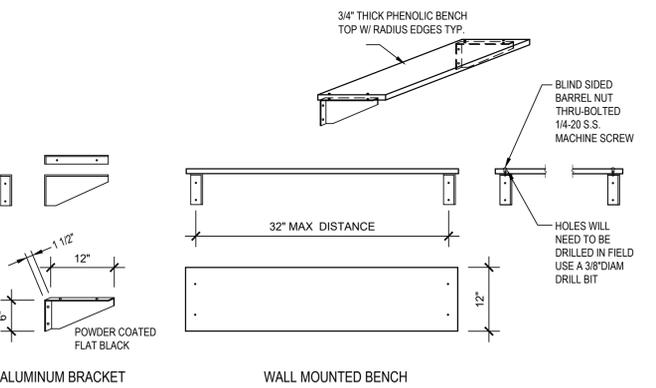
8 Typical Bench Detail
A6.03 3" = 1'-0"



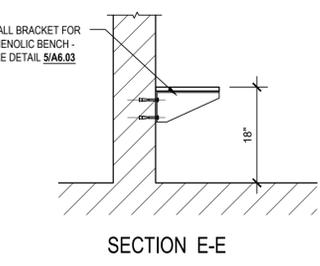
4 Handicapped Accessible Bench Details
A6.03 3/4" = 1'-0"



5 Wall Mounted Bench Details
A6.03 3/4" = 1'-0"



6 Bench Section
A6.03 3/4" = 1'-0"



6 Bench Section
A6.03 3/4" = 1'-0"

NY Certificate of Authorization
Eng. No. 0018867
Date 9/15/23
Checked TT
Drawn BP
DANIELLE L. FARRELL, R.A.
REGISTERED ARCHITECT
License No. 038812-1 | EXP. 12/31/25

Revisions:
08/30/24
ISSUE FOR BID
09/16/24
BID ADDENDUM #1

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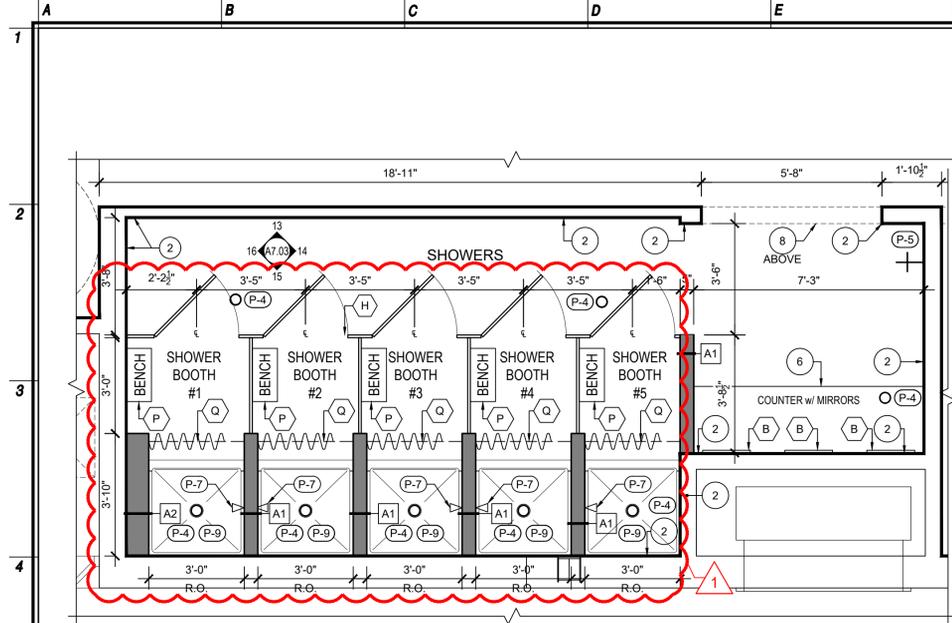
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LAN ASSOCIATES
252 Main Street, Goshen, New York 10924 | T. 845-615-0350 | F. 845-615-0351

NYSED PROJECT # 66-07-01-03-0-011-031

DETAILS
POOL LOCKER ROOM RENOVATIONS AT
HOMMOCKS MIDDLE SCHOOL
1-30 HOMMOCKS ROAD
LARCHMONT, NY 10538

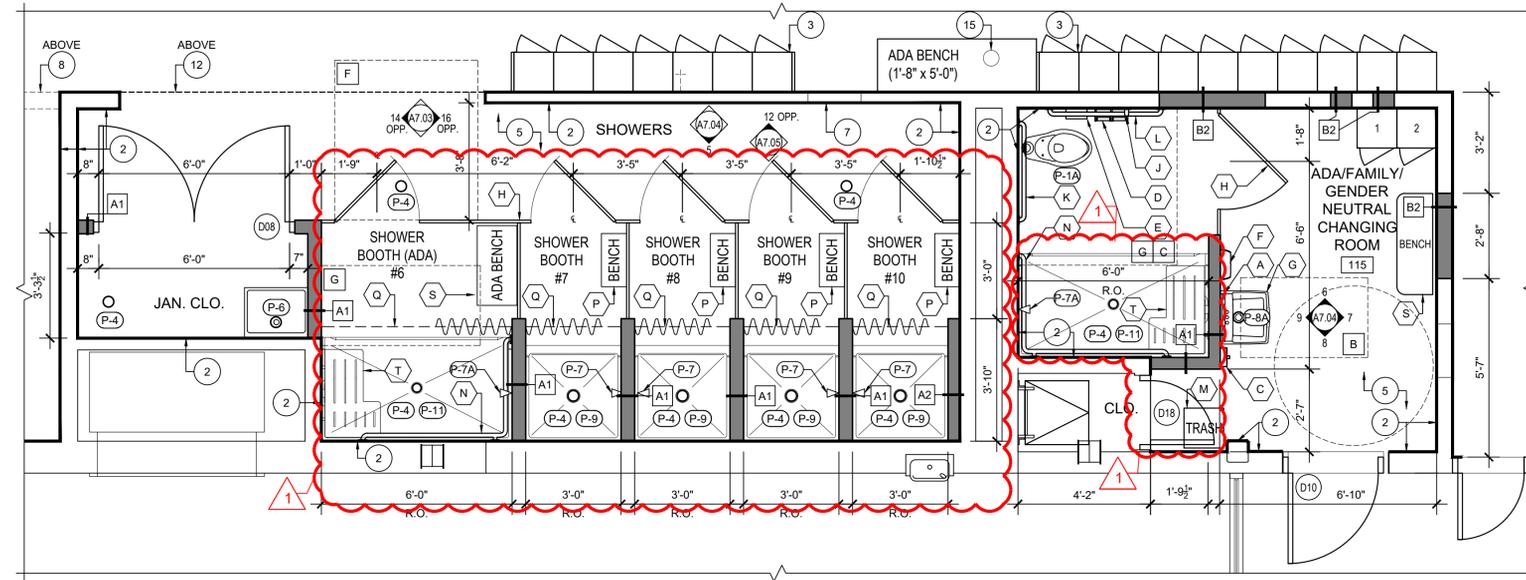
Job No. 4.1092.87
File No. 4109287A601

A6.03



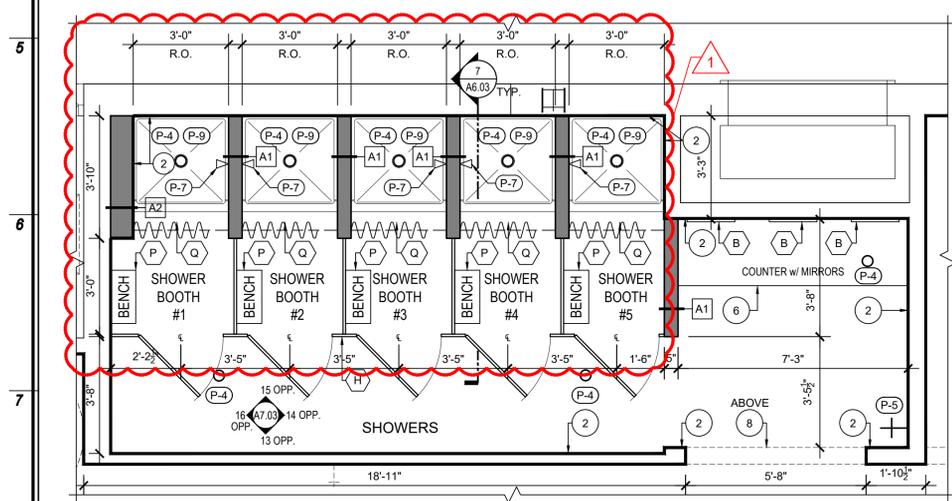
Enlarged Floor Plan

1 A7.02 3/8" = 1'-0" NORTH
MEN'S SHOWER



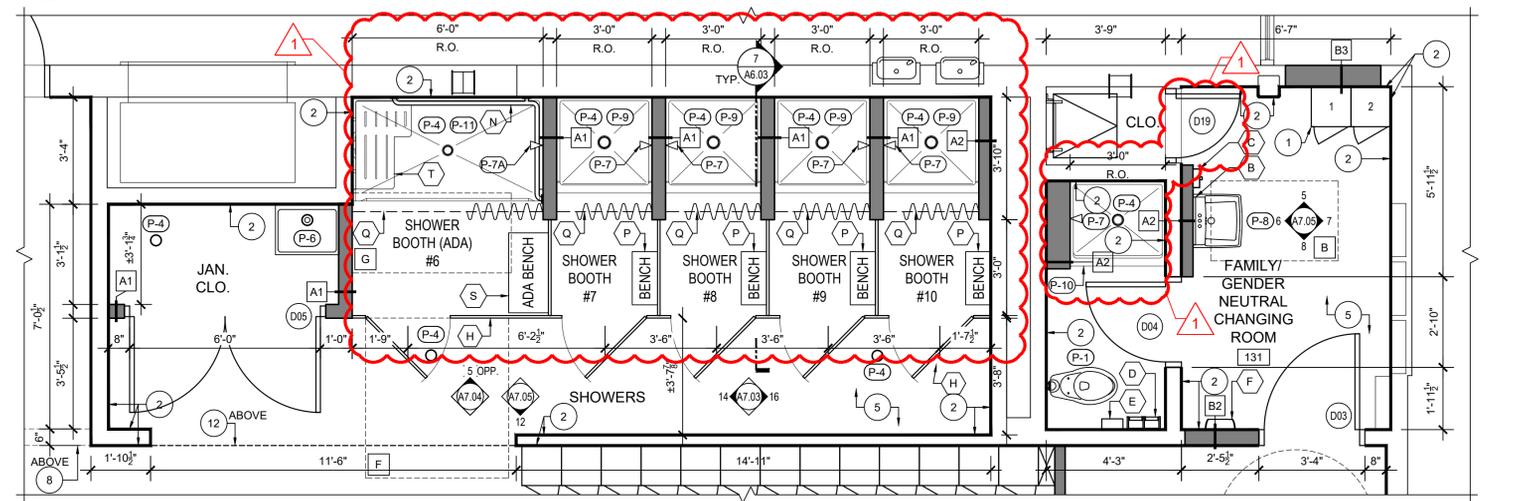
Enlarged Floor Plan

2 A7.02 3/8" = 1'-0" NORTH
MEN'S SHOWER & ADA GN CHANGING ROOM



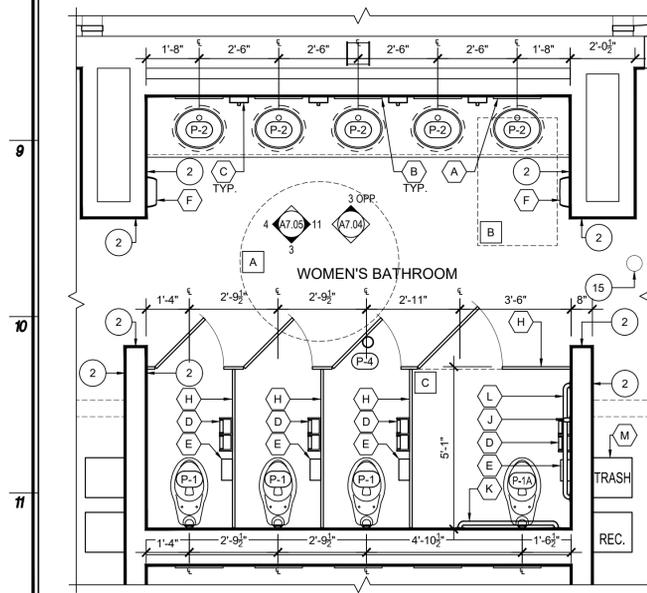
Enlarged Floor Plan

3 A7.02 3/8" = 1'-0" NORTH
WOMEN'S SHOWER



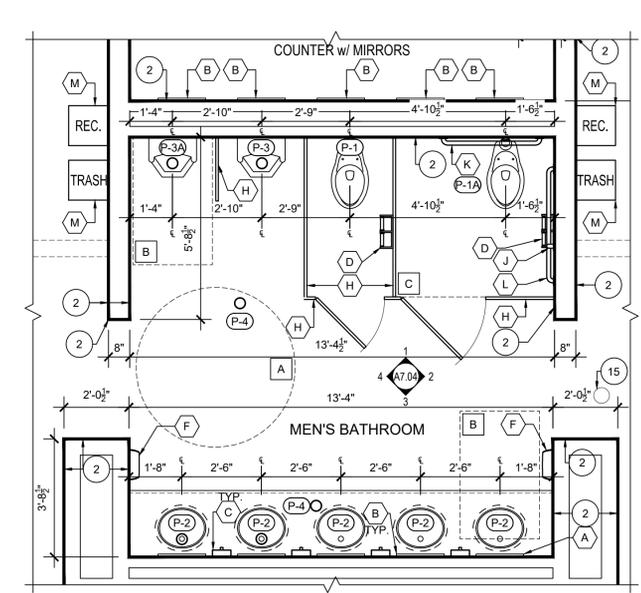
Enlarged Floor Plan

4 A7.02 3/8" = 1'-0" NORTH
WOMEN'S SHOWER & GN CHANGING ROOM



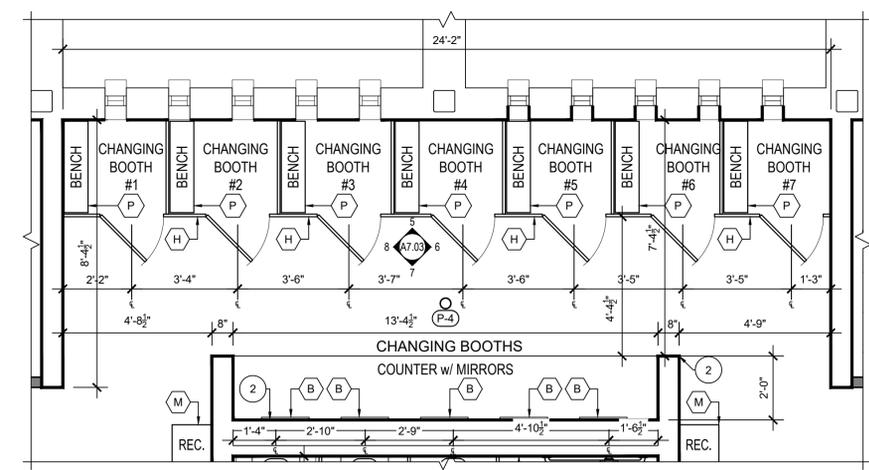
Enlarged Floor Plan

5 A7.02 3/8" = 1'-0" NORTH
WOMEN'S BATHROOM



Enlarged Floor Plan

6 A7.02 3/8" = 1'-0" NORTH
MEN'S BATHROOM



Enlarged Floor Plan

7 A7.02 3/8" = 1'-0" NORTH
MEN'S CHANGING ROOM

#	REFER TO GENERAL NOTES ON SHEET TO.01
#	SYMBOL DENOTES WALL TYPES. REFER TO PARTITION TYPE SHEET A6.01
X#	SYMBOL INDICATES CONSTRUCTION KEY NOTE. REFER TO 'CONSTRUCTION KEY NOTES' ON SHEET A2.01
A	SYMBOL INDICATES TOILET ACCESSORY. REFER TO 'TOILET FIXTURE & ACCESSORY SCHEDULE' ON SHEET A7.01
P#	SYMBOL INDICATES TOILET FIXTURE. REFER TO 'TOILET FIXTURE & ACCESSORY SCHEDULE' ON SHEET A7.01

NY Certificate of Authorization
 Eng'r. No. 0018867
 Date 9/15/23
 Checked TT
 Drawn BP
 License No. 038812-1 / EXP. 12/31/25
DANIELLE L. FARRELL, R.A.
 THE REGISTERED ARCHITECT
 Revisions:
 08/30/24
 ISSUE FOR BID
 09/16/24
 BID ADDENDUM #1
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 Engineering, Planning, Architecture, Surveying LLP
LAN ASSOCIATES
 252 Main Street, Goshen, New York 10924 | T. 845-615-0350 | F. 845-615-0351
 ENLARGED PROPOSED PLANS
 POOL LOCKER ROOM RENOVATIONS AT
 HOMMOCKS MIDDLE SCHOOL
 130 HOMMOCKS ROAD
 LARCHMONT, NY 10538
 Job No. 4.1092.87
 Plan No. 4109287A701
A7.02
 NYSed PROJECT # 66-07-01-03-0-011-031

Floor Finish Legend		
SYMBOL	ABBREVIATIONS	DESCRIPTIONS
(FIELD)	EPOXY	POURED EPOXY HYBRID FLOORING: 3/4" THICK HYBRID-FLEX AC FLOORING BY DUR-A-FLEX, EARTHSTONE CHIP BLEND OR MACRO CHIP COLOR OR APPROVED EQUAL. (1) FIELD COLOR AND (2) ACCENT COLORS AS SHOWN ON FLOOR PATTERN PLANS, TYPICAL. SEE 'EPOXY FLOOR PATTERN NOTES' FOR ADDITIONAL INFORMATION.
(ACCENT 1)		
MS	MARBLE SADDLE	
AS	ALUMINUM SADDLE	
VS	VINYL SADDLE TRANSITION STRIP	
EX	EXISTING TO REMAIN	

- EPOXY FLOOR PATTERN NOTES:**
- PATTERN IN EPOXY FLOORS AND DIMENSIONS (±) SHOWN TO ILLUSTRATE DESIGN INTENT AND FOR PRICING PURPOSES ONLY. PROVIDE DIMENSIONED SHOP DRAWINGS WITH PROPOSED FLOOR PATTERN LAYOUT FOR ARCHITECT AND OWNER APPROVAL. FIELD AND ACCENT COLORS TO BE SELECTED BY ARCHITECT AFTER SHOP DRAWING APPROVAL.
 - EPOXY COVE BASE TO MATCH ADJACENT ACCENT OR FIELD FLOOR COLOR, TYPICAL.

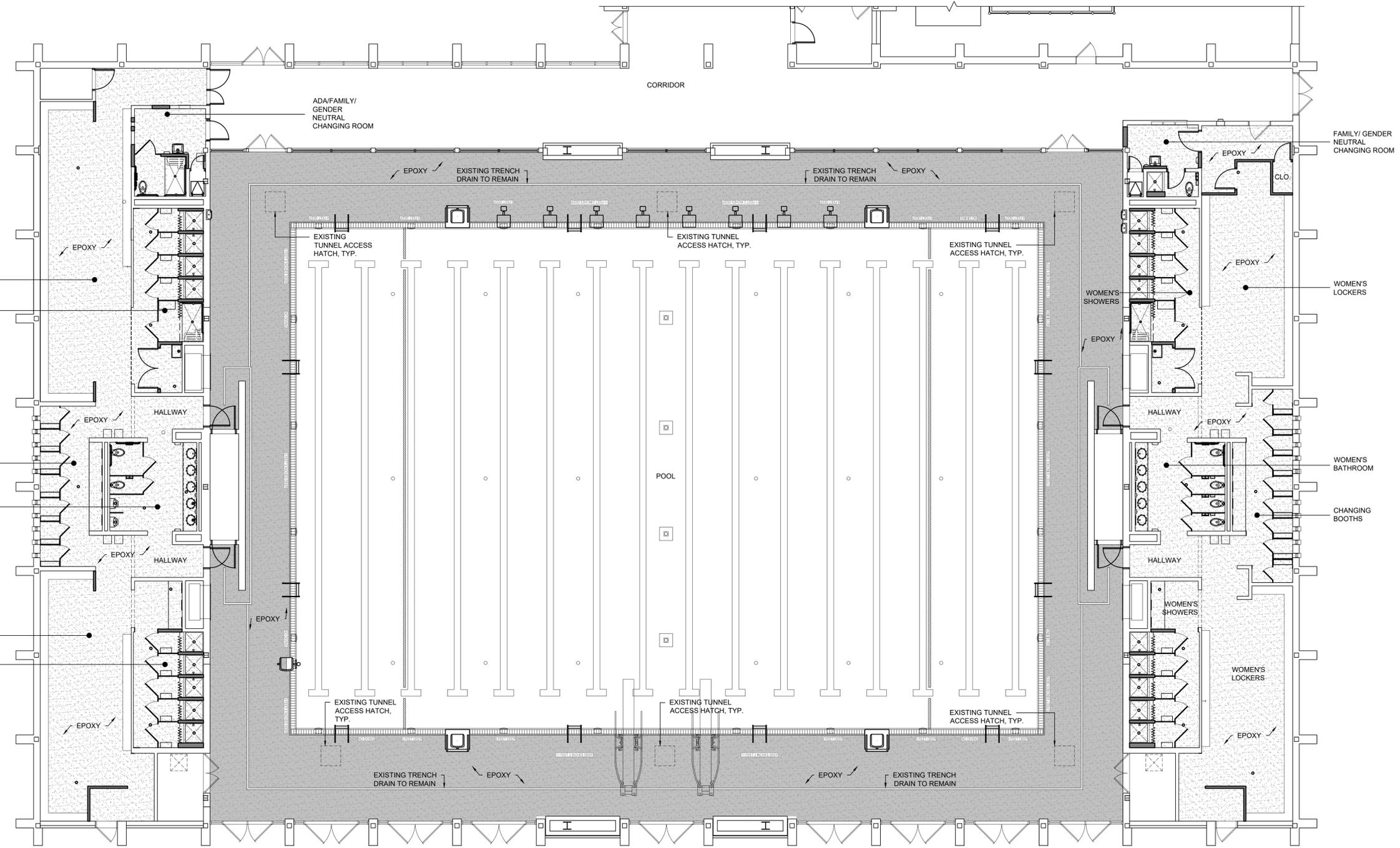
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 LICENSE NO. 039812-1 | EXP. 12/31/25
 THE REGISTERED ARCHITECT

- Revisions:**
- 08/30/24
ISSUE FOR BID
 - 09/16/24
BID ADDENDUM #1

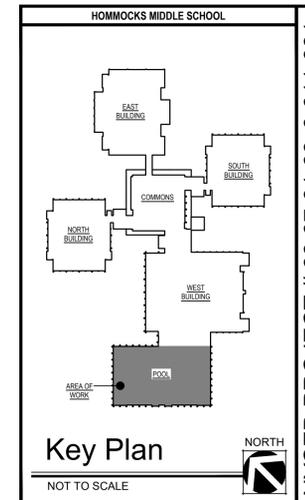
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LAN ASSOCIATES
 252 Main Street, Goshen, New York 10924 | t. 845-615-0350 | f. 845-615-0351

NYSED PROJECT # 66-07-01-03-0-011-031
PROPOSED FLOOR FINISH PLANS
 POOL LOCKER ROOM RENOVATIONS AT
 HOMMOCKS MIDDLE SCHOOL
 1-30 HOMMOCKS ROAD
 LARCHMONT, NY 10538
 Job No. 4.1092.87
 File No. 4109287A901
A9.01

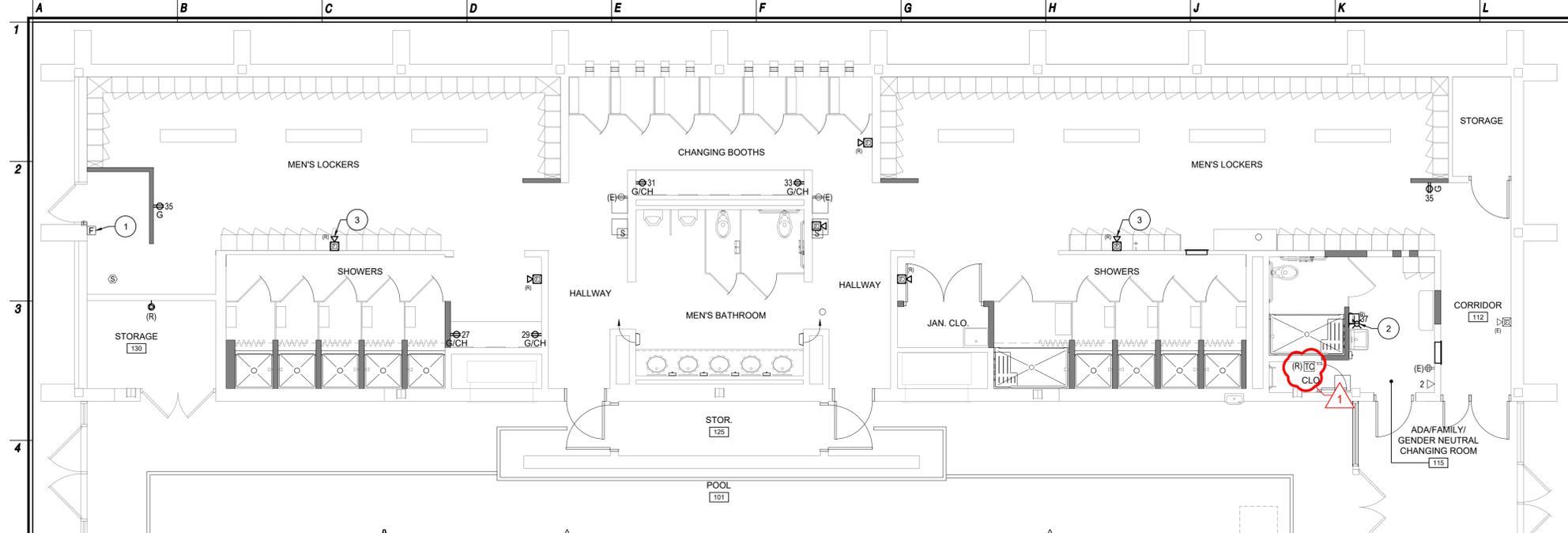


NOTE: REFER TO A2.02 FOR ADDITIONAL INFORMATION REGARDING POOL DECK.

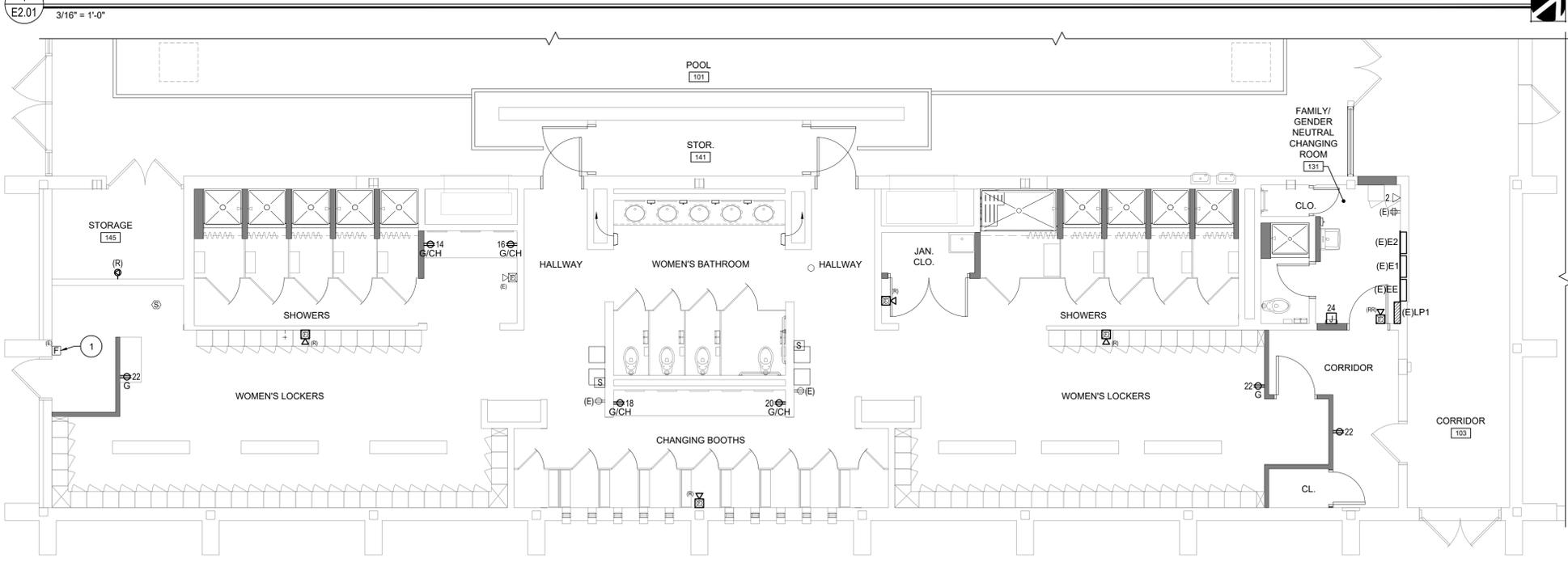


1
 A9.01
 Pool & Locker Room Finish Plan
 1/8" = 1'-0"





1 Proposed Men's Locker Room Power Plan



2 Proposed Women's Locker Room Power Plan

PANEL SCHEDULE - PANEL (E)E2

CT#	Load Description	Type	OPDP	Rated	Current	Conductors	Raceway	Voltage
			Poles			Neutral	Ground	
1	EXISTING LOAD	STD	1	20A		EXISTING TO REMAIN		120
2	EXISTING LOAD	STD	1	20A		EXISTING TO REMAIN		120
3	EXISTING LOAD	STD	1	20A		EXISTING TO REMAIN		120
4	EXISTING LOAD	STD	1	20A		EXISTING TO REMAIN		120
5	EXISTING LOAD	STD	1	20A		EXISTING TO REMAIN		120
6	EXISTING LOAD	STD	1	20A		EXISTING TO REMAIN		120
7	EXISTING LOAD	STD	1	20A		EXISTING TO REMAIN		120
8	EXISTING LOAD	STD	1	20A		EXISTING TO REMAIN		120
9	EXISTING LOAD	STD	1	20A		EXISTING TO REMAIN		120
10	EXISTING LOAD	STD	1	20A		EXISTING TO REMAIN		120
11/13	EXISTING LOAD	STD	2	20A		EXISTING TO REMAIN		208
12	EXISTING LOAD	STD	1	20A		EXISTING TO REMAIN		120
14	WOMEN'S SHOWER CTR RECEPT.	STD	1	20	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4" EMT 120
15	EXISTING LOAD	STD	1	20A		EXISTING TO REMAIN		120
16	WOMEN'S SHOWER CTR RECEPT.	STD	1	20	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4" EMT 120
17	EXISTING LOAD	STD	1	20A		EXISTING TO REMAIN		120
18	WOMEN'S CHANGING CTR RECEPT.	STD	1	20	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4" EMT 120
19	EXISTING LOAD	STD	1	20A		EXISTING TO REMAIN		120
20	WOMEN'S CHANGING CTR RECEPT.	STD	1	20	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4" EMT 120
21	EXISTING LOAD	STD	1	20A		EXISTING TO REMAIN		120
22	WOMEN'S LOCKER RECEPT.	STD	1	20	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4" EMT 120
23	EXISTING LOAD	STD	1	20A		EXISTING TO REMAIN		120
24	CHANGING 313 DRYER	STD	1	20	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4" EMT 120
25	EXISTING LOAD	STD	1	20A		EXISTING TO REMAIN		120
26	BLANK							
27	MEN'S SHOWER CTR RECEPT.	STD	1	20	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4" EMT 120
28	BLANK							
29	MEN'S SHOWER CTR RECEPT.	STD	1	20	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4" EMT 120
30	BLANK							
31	MEN'S CHANGING CTR RECEPT.	STD	1	20	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4" EMT 120
32	BLANK							
33	MEN'S CHANGING CTR RECEPT.	STD	1	20	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4" EMT 120
34	BLANK							
35	MEN'S LOCKER RECEPT.	STD	1	20	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4" EMT 120
36	BLANK							
37	CHANGING 116 DRYER	STD	1	20	(1) 12 ga.	(1) 12 ga.	(1) 12 ga.	3/4" EMT 120
38	BLANK							
39	BLANK							
40	BLANK							
41	BLANK							
42	BLANK							
			Total New Circuits	14				

Volume: 120/208
Circuits: 33/42
Neutral Buss: Yes
Ground Buss: Yes
Buss Capacity:
NEMA Type 1

Main Connection: breaker
Load kVA: 14
OPDP Size: 225A
OPDP Type: Std
Location:
Remarks:

LIGHT ITALICIZED TEXT INDICATES EXISTING TO REMAIN.
BOLD TEXT INDICATES NEW WORK.

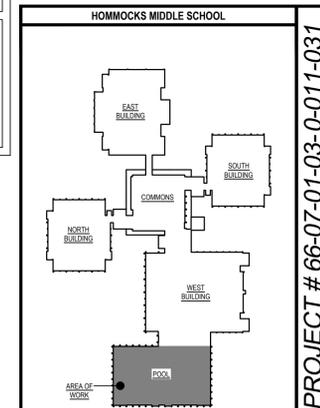
Proposed Symbol Legend

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
(E)PANEL	208Y/120V FLUSH MOUNTED PANELBOARD - EXISTING PANEL TO REMAIN. PROTECT DURING CONSTRUCTION.	(R)ITC	LIGHTING TIMECLOCK - EXISTING TIMECLOCK TO BE RELOCATED. EXTEND CONDUCTORS TO THE NEW LOCATION INDICATED.
(E)PANEL	480Y/277V SURFACE MOUNTED PANELBOARD - EXISTING PANEL TO REMAIN. PROTECT DURING CONSTRUCTION.	2	DATA PORT - EXISTING DATA PORT TO REMAIN. PROVIDE NEW DEEP COVER PLATE TO ACCOUNT FOR NEW WALL THICKNESS. PROTECT DURING CONSTRUCTION.
—	HOMERUN - EXISTING CIRCUITING TO BE REUSED FOR NEW EQUIPMENT. EXTEND CONDUCTORS AS REQUIRED.	(E)	FIRE ALARM MANUAL PULL STATION - EXISTING MANUAL PULL STATION TO REMAIN. PROTECT DURING CONSTRUCTION. EXTEND TO NEW WALL SURFACE AS REQUIRED.
—	HOMERUN - NEW HOMERUN TO CIRCUIT INDICATED. REFER TO PANEL SCHEDULE FOR ADDITIONAL INFORMATION.	(S)	FIRE ALARM SMOKE DETECTOR - EXISTING SMOKE DETECTOR TO REMAIN. PROTECT DURING CONSTRUCTION.
#	DUPLEX RECEPTACLE (WALL) - WALL MOUNTED 20A, 120V RECEPTACLE WITH STAINLESS STEEL WALL PLATE TO CIRCUIT INDICATED.	(E) [Symbol]	FIRE ALARM NOTIFICATION DEVICE - EXISTING FIRE ALARM NOTIFICATION DEVICE TO BE RELOCATED. EXTEND CONDUCTORS TO THE NEW LOCATION INDICATED ON THE PROPOSED PLAN.
CH	COUNTER HEIGHT - RECEPTACLE TO BE MOUNTED AT COUNTER HEIGHT. REFER TO ARCH. DWGS FOR ADDITIONAL INFORMATION.	(S) [Symbol]	FIRE ALARM NOTIFICATION DEVICE - EXISTING FIRE ALARM NOTIFICATION DEVICE TO REMAIN. PROTECT DURING CONSTRUCTION.
(R)	SPECIAL RECEPTACLE - EXISTING RELOCATED 208V RECEPTACLE. EXTEND CONDUCTORS TO THE NEW LOCATION.	(S) [Symbol]	PA SPEAKER - EXISTING PA SPEAKER TO REMAIN. PROTECT DURING CONSTRUCTION.
#	JUNCTION/PULL BOX - CONNECT TO CIRCUIT NUMBER INDICATED. CONTRACTOR SHALL SIZE AS PER NEC REQUIREMENTS UNLESS THE SIZE IS INDICATED ON THE PLAN.	(E) [Symbol]	FIRE ALARM NOTIFICATION DEVICE - EXISTING FIRE ALARM HORN TO BE RELOCATED AND REPLACED WITH A NEW HORN/STROBE. EXTEND CONDUCTORS TO THE NEW LOCATION INDICATED ON THE PROPOSED PLAN. NEW DEVICE SHALL BE UL CROSS LISTED FOR USE WITH THE EXISTING SYSTEM.
(E) [Symbol]	RECEPTACLE - EXISTING DUPLEX OR DOUBLE DUPLEX RECEPTACLE BACKBOX & CIRCUIT TO REMAIN. NEW GFCI RECEPTACLE AND DEEP STAINLESS STEEL COVER PLATE TO BE INSTALLED. COORDINATE DEPTH OF NEW COVER PLATE TO ACCOUNT FOR NEW WALL THICKNESS. PROTECT DURING CONSTRUCTION.		

Prop. Elec. Key Notes

- PROVIDE AND INSTALL AN STI STOPPER (I (OR EQUAL) ARMED LEXAN COVER OVER THE EXISTING PULL STATION.
- REPLACE EXISTING FA HORN WITH A NEW STROBE.
- RELOCATE DEVICE TO BE 6" BELOW CEILING. CONTRACTOR SHALL RELOCATE BOX, WIREMOLD, CONDUCTORS, ETC. AS REQUIRED.
- CONNECT NEW HAND DRYER TO EXISTING CIRCUIT. MODIFY BACKBOX & EXTEND CONDUCTORS AS REQUIRED.

ALL CIRCUIT NUMBERS ON THIS DRAWING REFER TO 208/120V PANEL (E)E2 UNLESS NOTED OTHERWISE.



Key Plan
NOT TO SCALE

NY Certificate of Authorization
Eng. No. 0018867
Date 9/15/23
Checked TW
Drawn MH

THOMAS WIGHARD, P.E.
Professional Engineer
License No. NY 090385 | Exp. 10/31/26

Revisions:
08/30/24
09/16/24
08/30/24
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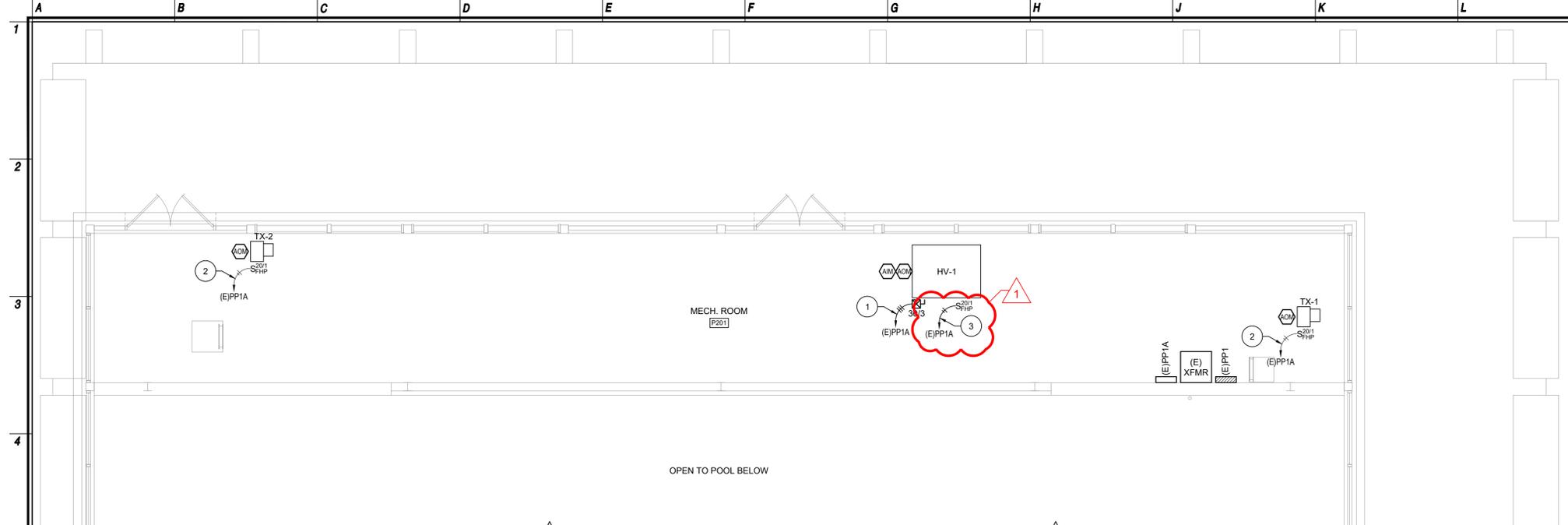
LAN ASSOCIATES

ELECTRICAL PROPOSED PLAN
POOL LOCKER ROOM RENOVATIONS AT
HOMMOCKS MIDDLE SCHOOL
1-30 HOMMOCKS ROAD
LARCHMONT, NY 10538

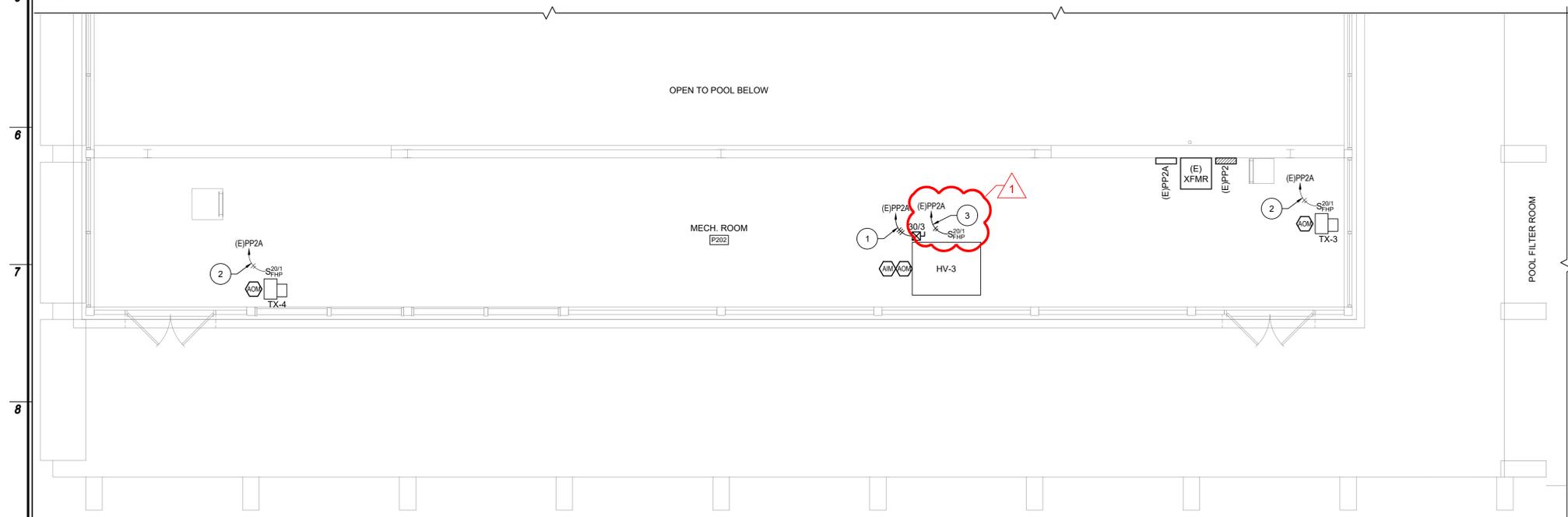
Job No. 4.1092.87
File No. 4109287E201

E2.01

NYSED PROJECT # 66-07-01-03-0-011-031



1 Men's Penthouse Proposed Mechanical Power Plan
 E2.02 3/16" = 1'-0" NORTH



2 Women's Penthouse Proposed Mechanical Power Plan
 E2.02 3/16" = 1'-0" NORTH

Electrical Symbol Legend

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	DISCONNECT SWITCH, NON-FUSIBLE/ MOTOR STARTER COMBO - WITH OVERLOAD PROTECTION AND AUTO/OFF/HAND SELECTOR SWITCH OR START/STOP CONTROL STATION AS NOTED. SWITCH RATED AS INDICATED ON THE DRAWINGS. (EG. 30/3 INDICATES 30A SWITCH, 3 POLE). IF NO RATING IS INDICATED, INSTALL A CODE SIZED SWITCH. INSTALL IN A NEMA-1 ENCLOSURE UNLESS NOTED OTHERWISE. STARTER TYPE SHALL BE SELECTED AS DIRECTED IN MECH. DRAWINGS. STARTER & OVERLOAD SIZES SHALL BE SELECTED ACCORDING TO MOTOR HP RATING.		HOMERUN - EXISTING CIRCUITING TO BE REUSED FOR NEW EQUIPMENT. REFER TO PROPOSED PLAN.
	FRACTIONAL HORSE POWER MOTOR STARTER - NON-FUSIBLE, TOGGLE-TYPE RATED AS INDICATED ON THE DRAWINGS. (EG. .20/1 INDICATES 20A, 1 POLE). IF NO RATING IS INDICATED, INSTALL A CODE SIZED SWITCH. INSTALL IN A NEMA-1 ENCLOSURE UNLESS NOTED OTHERWISE.		208Y/120V SURFACE MOUNTED PANELBOARD - EXISTING PANEL TO REMAIN. PROTECT DURING CONSTRUCTION.
	FIRE ALARM ADDRESSABLE INPUT MONITOR - MONITOR UNIT'S DUCT DETECTOR. MC PROVIDES DUCT DETECTOR. EC RESPONSIBLE TO INSTALL.		480Y/277V SURFACE MOUNTED PANELBOARD - EXISTING PANEL TO REMAIN. PROTECT DURING CONSTRUCTION.
	FIRE ALARM ADDRESSABLE OUTPUT MONITOR - TO CONTROL SYSTEM INDICATED. EC TO CONNECT FAN TO FIRE ALARM SYSTEM TO SHUT-DOWN UPON OUTPUT OF A FIRE ALARM INITIATING DEVICE.		HOMERUN - HOMERUN TO PANEL INDICATED.
	CONDUCTOR INDICATOR - FULL HASHES INDICATE UNDERGROUND "HOT" CIRCUIT CONDUCTORS. HALF HASHES INDICATE GROUND NEUTRAL CONDUCTORS.		
	ALL CIRCUITS CONTAIN A GROUND CONDUCTOR.		
	- (1) HOT, (1) NEUTRAL (eg., 120 OR 277, 1Ø) - (3) HOT, (0) NEUTRAL (eg., 208 OR 480, 3Ø)		

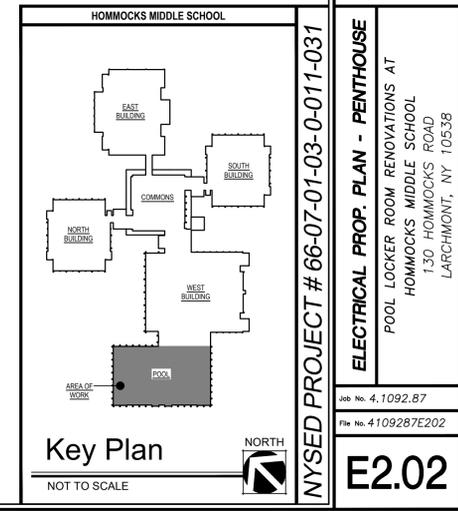
- ### Prop. Elec. Key Notes
- # SYMBOL INDICATES PROPOSED KEY NOTE
- 3/4"C W/ (3) #10 & (1) #10 GND TO NEW 30A, 3P BREAKER. BREAKER SHALL REPLACE EXISTING 20A, 3P BREAKER FEEDING THE EXISTING HV-1.
 - REUSE EXISTING 3/4"C W/ (2) #12 & (1) #12 GND AND EXISTING 20A, 1P BREAKER. EXTEND CONDUCTORS & BREAKER TO NEW FRACTIONAL HORSE POWER STARTER.
 - 3/4"C W/ (2) #12 & (1) #12 GND TO NEW 20A, 1P BREAKER FOR FREEZE PROTECTION PUMP.

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 Date 9/15/23
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 Drawn MH
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 License No. NY 090385 | EXP. 10/31/26
 The PROFESSIONAL ENGINEER

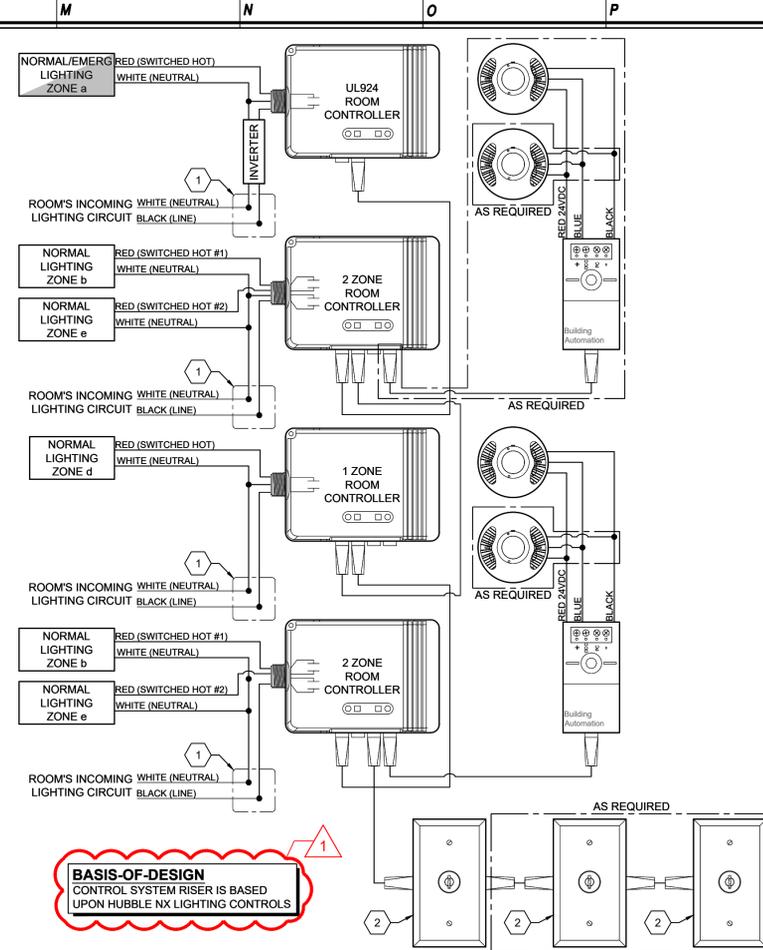
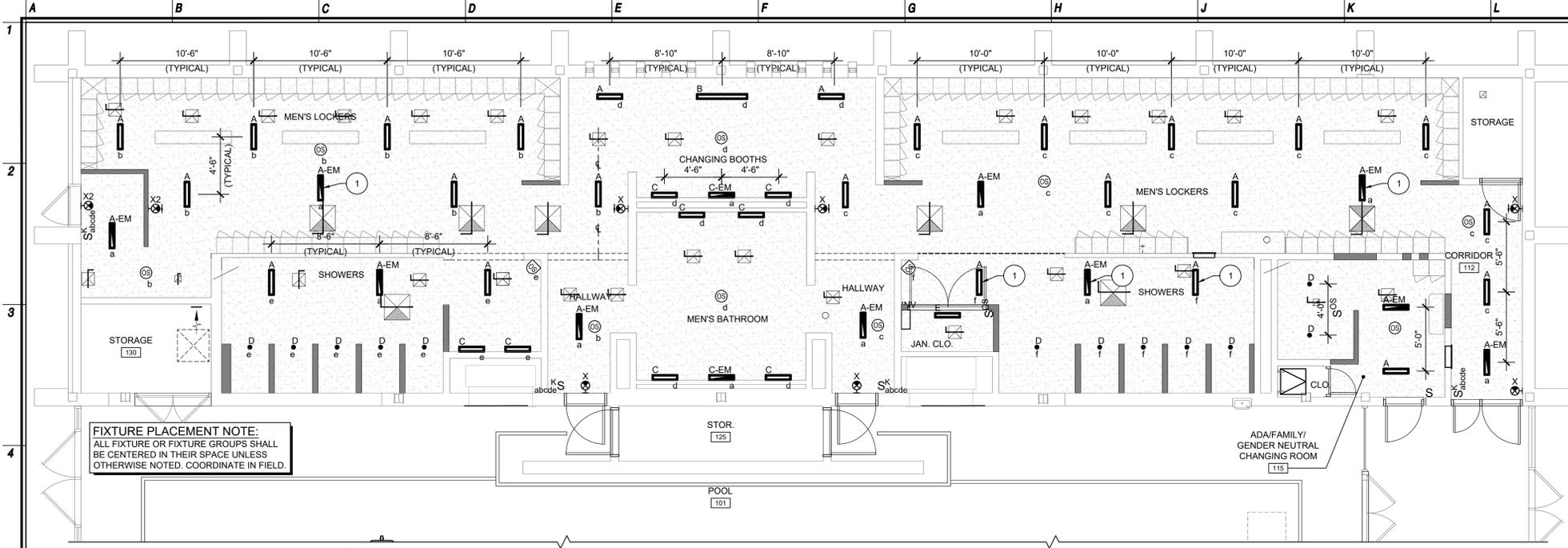
- ### Revisions:
- 08/30/24 ISSUE FOR BID
 - 09/16/24 BID ADDENDUM #1

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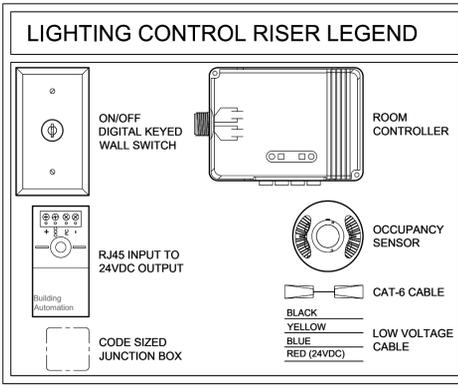
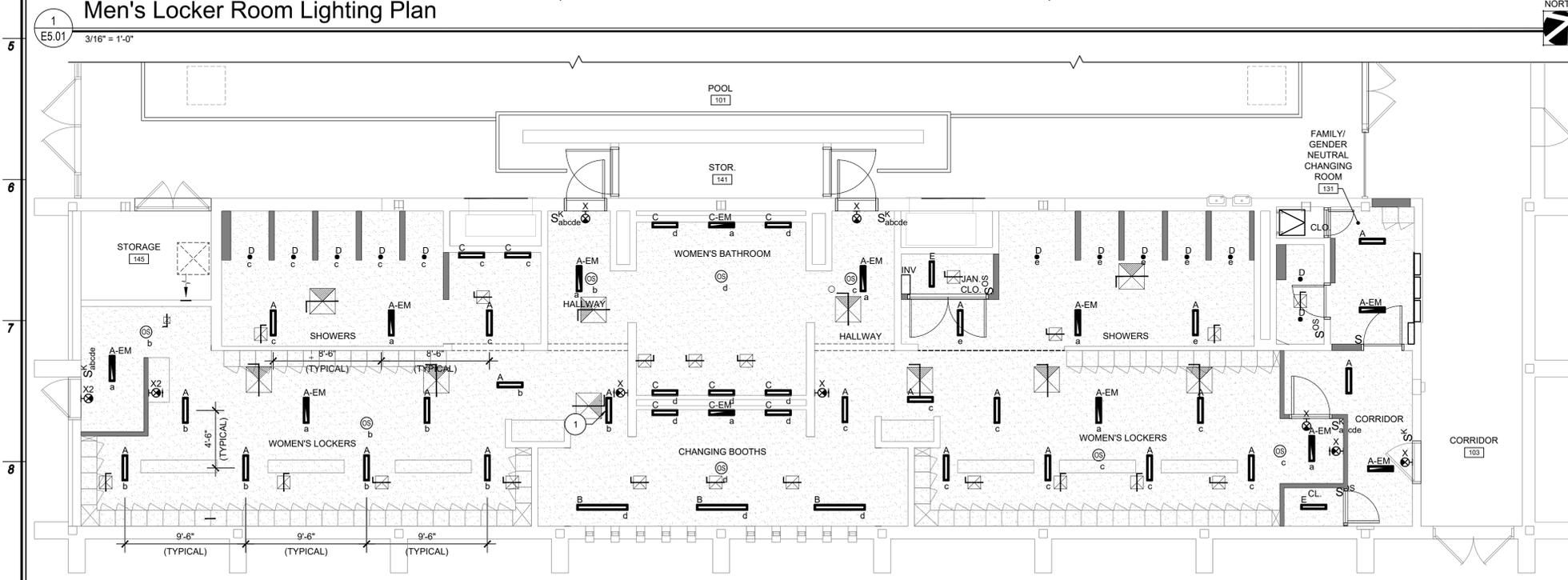
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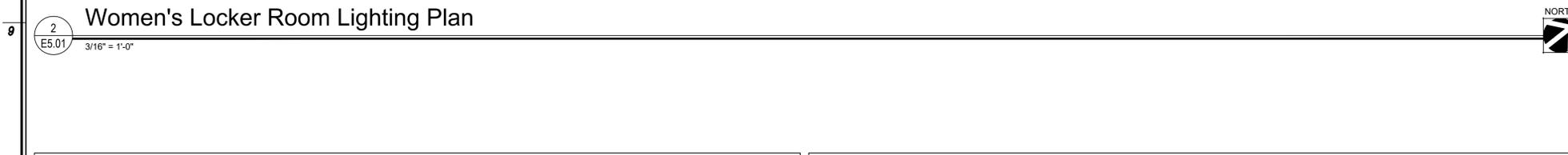
NYSED PROJECT # 66-07-01-03-0-011-031
ELECTRICAL PROP. PLAN - PENTHOUSE
 POOL LOCKER ROOM RENOVATIONS AT
 HOMMOCKS MIDDLE SCHOOL
 1-30 HOMMOCKS ROAD
 LARCHMONT, NY 10538
 Job No. 4.1092.87
 File No. 4109287E202
E2.02



Lighting Controls Riser - Typical Both Locker Rooms
E5.01 N.T.S.



- Ltg Riser Key Notes**
- CAPTURE ROOM'S INCOMING CIRCUIT TO POWER NEW ROOM LIGHTING & CONTROLS PROVIDE AND INSTALL SURFACE MOUNTED WIREMOLD AND BOX WHERE A NEW SWITCH IS INSTALLED ON AN EXISTING WALL. PROVIDE AND INSTALL NEW BACKBOX & CONDUIT WHERE A NEW SWITCH IS INSTALLED ON A NEW WALL.



Light Fixture Schedule

SYMBOL	TYPE	MANUF.	MODEL	FIXTURE INFORMATION	VOLT	WATT	MOUNTING	HEIGHT	LED INFORMATION	KEY NOTES
A	CURRENT/ KIM LIGHTING	PUNT-2-2-25-40K8-NDM-UNVD-COLOR-10YRW-R56	"PREVENT LINEAR" VANDAL RESISTANT, HIGH ABUSE 2' LINEAR	UNIV	25	CEILING SURFACE	N/A	3813	153 4000K 80CRI	1,2
B	CURRENT/ KIM LIGHTING	PUNT-4-4-55-40K8-NDM-UNVD-COLOR-10YRW-R56	"PREVENT LINEAR" VANDAL RESISTANT, HIGH ABUSE 4' LINEAR	UNIV	55	CEILING SURFACE	N/A	7668	139 4000K 80CRI	1,2
C	CURRENT/ KIM LIGHTING	PUNT-2-2-25-40K8-NDM-UNVD-COLOR-10YRW-R56	"PREVENT LINEAR" VANDAL RESISTANT, HIGH ABUSE 2' LINEAR WITH CORNER MOUNT	UNIV	25	CEILING CORNER	N/A	3813	153 4000K 80CRI	1,2
D	CURRENT/ PERSPECTIVE	LTR-3RD-H-SLT0L-DM1-LTR-3RD-35MM-EU	"LTR-3RD(SH)" 3" ROUND NON-CONDUCTIVE	UNIV	12	CEILING HANGING	N/A	4125	344 4000K 80CRI	1,2
E	CURRENT/ COLUMBIA	LCL2-35MM-EU	"LCL" 2' LENSED STRIP LIGHT	UNIV	24	CEILING SURFACE	N/A	2849	119 4000K 80CRI	1,2
X2	CURRENT/ DUAL-LITE	SESRSWEISW42-R56	"SE SERIES" DIE CAST ALUMINUM EXIT SIGN - "EMERGENCY EXIT ONLY"	UNIV	4	WALL SURFACE	REFER TO DETAIL	N/A	N/A	3

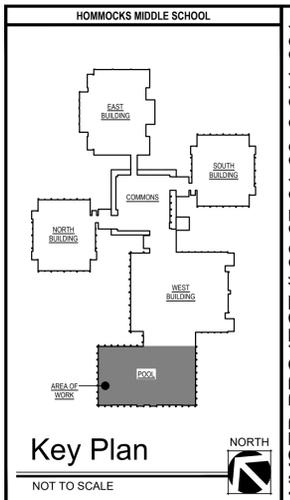
Key Notes
 1. "COLOR" INDICATES FIXTURE COLOR FROM MANUFACTURER'S STANDARD COLORS. COLOR TO BE SELECTED DURING THE SUBMITTAL PHASE.
 2. "10YRW" INDICATES A 10 YEAR, FULL REPLACEMENT WARRANTY ON THE LENS.
 3. CONNECT BATTER TO LINE SIDE OF AREA LIGHTING CONTROLS.

Proposed Symbol Legend

SYMBOL	DESCRIPTION
A	SURFACE MOUNTED CEILING LUMINAIRE - CONFIRM FIXTURE TRIM WITH CEILING TYPE IN THE FIELD. DESIGNATIONS (TYPICAL ALL FIXTURES): "A" - INDICATES LUMINAIRE DESIGNATION, REFER TO LIGHT FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. "3" - INDICATES BRANCH CIRCUIT "a" - INDICATES SWITCHING
EM	EMERGENCY LIGHTING - HATCHING INDICATES LIGHTING WITH 90 MIN EMERGENCY BACKUP. (POWERED BY BATTERY, INVERTER, OR GENERATOR). EMERGENCY LUMINAIRES WILL BE DESIGNATED WITH AN "EM" IN THEIR TYPE DESIGNATION.
ES	WALL & CEILING MOUNTED SINGLE FACED EXIT SIGN - SHADED SIDE INDICATES FACE SIDE. PROVIDE DIRECTIONAL ARROW(S) AS INDICATED ON THE PLANS.
INV	LIGHTING INVERTER - 600W INVERTER WITH 90 MINUTE BATTERY. DUAL-LITE LG-600-S1 OR EQUAL.
PRP	POWER RELAY PACK - WITH POWER AND 0-10V CONTROL OUTPUT "ZONE" INDICATES LIGHTING ZONE FOR PROGRAMMING PURPOSES

GENERAL NOTE - REFER TO LIGHT FIXTURE SCHEDULE FOR ADDITIONAL FIXTURE SYMBOLS

- Lighting Key Notes**
- ADJUST FIXTURE SPACING IN FIELD TO AVOID HVAC REGISTER.



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 Date 9/15/23
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 Drawn MH

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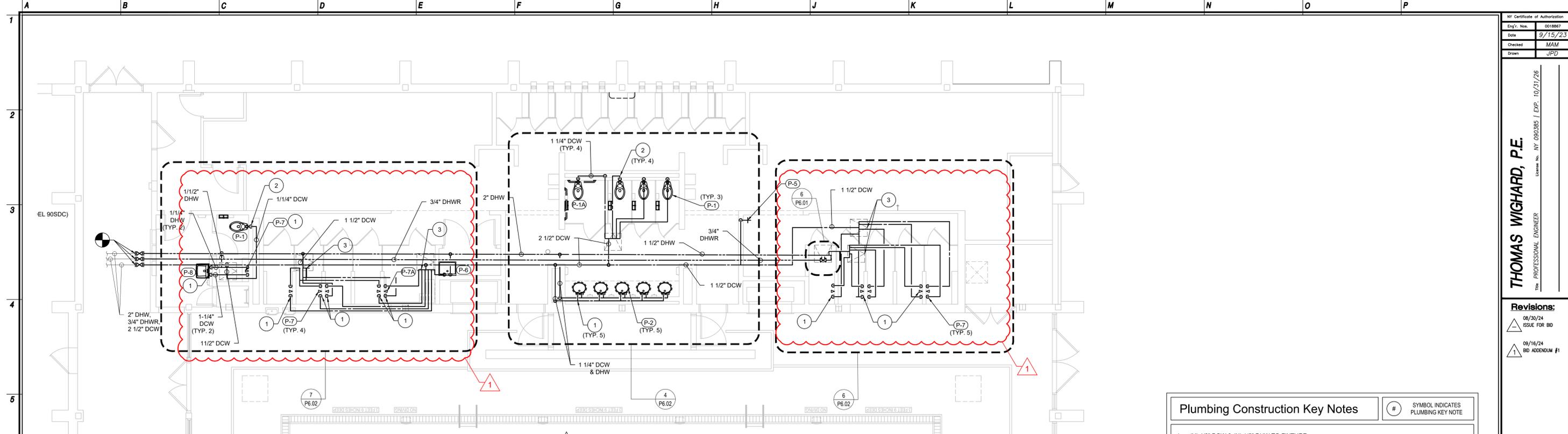
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LAN ASSOCIATES
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ELECTRICAL LIGHTING PLANS
 POOL LOCKER ROOM RENOVATIONS AT
 HOMMOCKS MIDDLE SCHOOL
 1-30 HOMMOCKS ROAD
 LARCHMONT, NY 10538

Job No. 4.1092.87
 File No. 4109287E501

E5.01

NYSE PROJECT # 66-07-01-03-0-011-031



Women's Locker Proposed Domestic Water Plan

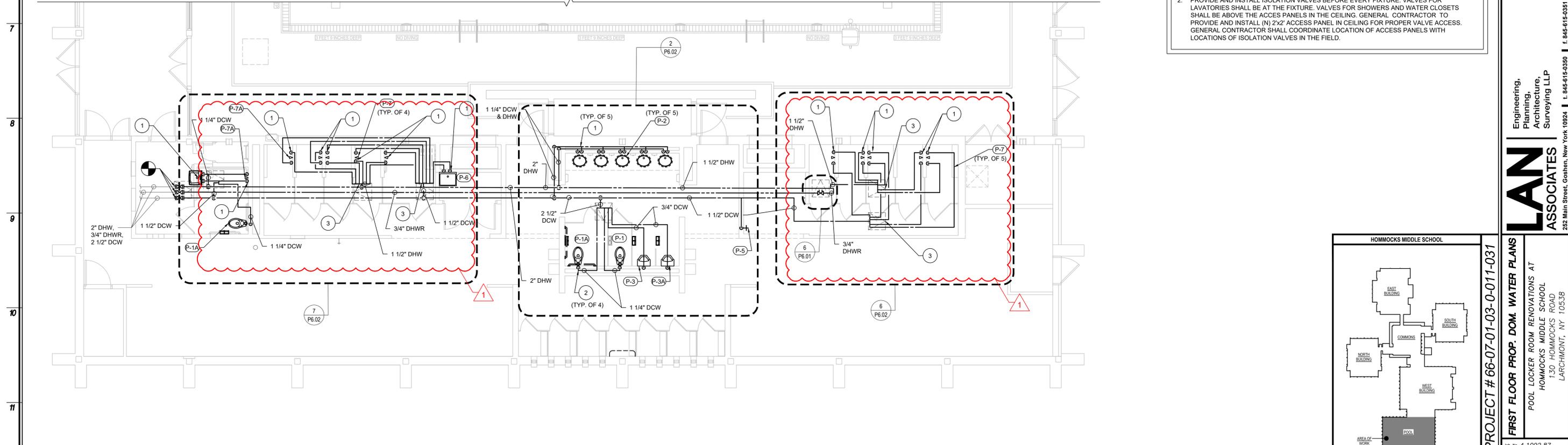
2
P2.01

3/16" = 1'-0"



- Plumbing Construction Key Notes**
- 1. (N) 1/2" DCW & (N) 1/2" DHW TO FIXTURE
 - 2. (N) 1 - 1/4" DCW TO WATER CLOSET FLUSH VALVES. (N) 3/4" DCW TO URINALS.
 - 3. DCW & DHW MANIFOLDS SHOWN IN THIS LOCATION FOR CLARITY. CONTRACTOR SHALL INSTALL MANIFOLDS AND ISOLATION VALVES ABOVE ACCESS PANELS WHERE SHOWN.

- Plumbing Plan Notes**
1. PROVIDE AND INSTALL (N) ISOLATION VALVES AT EVERY BRANCH OF DCW AND DHW AFTER MANIFOLD. LOCATE VALVES SO THEY CAN BE ACCESSED BY 2'x2' ACCESS PANELS IN CEILING. COORDINATE LOCATION WITH GENERAL CONTRACTOR.
 2. PROVIDE AND INSTALL ISOLATION VALVES BEFORE EVERY FIXTURE. VALVES FOR LAVATORIES SHALL BE AT THE FIXTURE. VALVES FOR SHOWERS AND WATER CLOSETS SHALL BE ABOVE THE ACCESS PANELS IN THE CEILING. GENERAL CONTRACTOR TO PROVIDE AND INSTALL (N) 2'x2' ACCESS PANEL IN CEILING FOR PROPER VALVE ACCESS. GENERAL CONTRACTOR SHALL COORDINATE LOCATION OF ACCESS PANELS WITH LOCATIONS OF ISOLATION VALVES IN THE FIELD.



Men's Locker Room Proposed Domestic Water Plan

1
P2.01

3/16" = 1'-0"



Key Plan
NOT TO SCALE

Key Plan
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NYSED PROJECT # 66-07-01-03-0-011-031
FIRST FLOOR PROP. DOM. WATER PLANS
POOL LOCKER ROOM RENOVATIONS AT
HOMMOCKS MIDDLE SCHOOL
1-30 HOMMOCKS ROAD
LARCHMONT, NY 10538

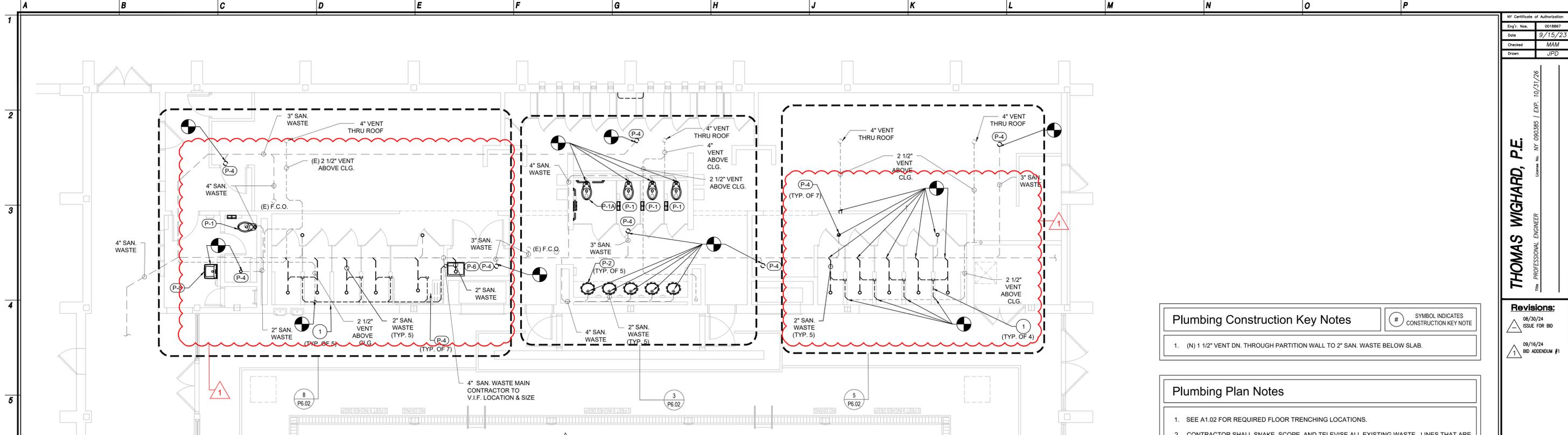
Job No. 4.1092.87
Plan No. 4109287P201

P2.01

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Professional Engineer License No. NY 090385 | Exp. 10/31/26

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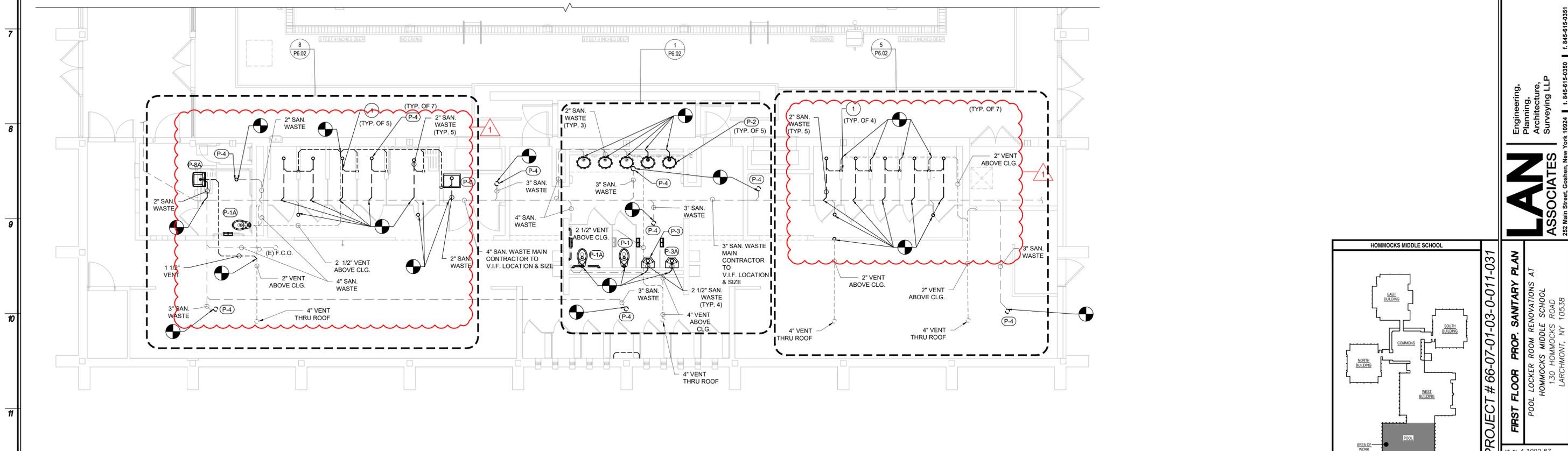


Women's Locker Proposed Sanitary Plan

2
P2.02
3/16" = 1'-0"

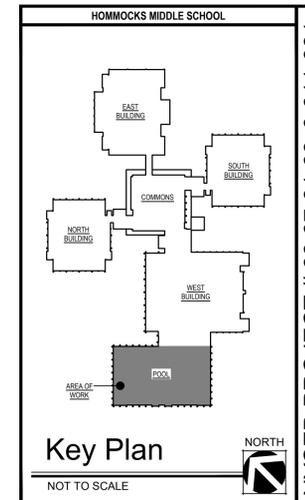
Plumbing Construction Key Notes	
#	SYMBOL INDICATES CONSTRUCTION KEY NOTE
1.	(N) 1 1/2" VENT DN. THROUGH PARTITION WALL TO 2" SAN. WASTE BELOW SLAB.

Plumbing Plan Notes	
1.	SEE A1.02 FOR REQUIRED FLOOR TRENCHING LOCATIONS.
2.	CONTRACTOR SHALL SNAKE, SCOPE, AND TELEVISION ALL EXISTING WASTE LINES THAT ARE TO BE REUSED TO ENSURE THEY ARE CLEAR AND FREE FROM DEBRIS, DEFECTS, CRACKS, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR TELEVISION ALL WASTE LINES FOR A MINIMUM OF FIFTY (50) FEET FROM THE END OF LINE CLEANOUT AT A GROUP OF FIXTURES. CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY IF DEFECTS IN THE EXISTING PIPING ARE FOUND.



Men's Locker Room Proposed Sanitary Plan

1
P2.02
3/16" = 1'-0"



Key Plan
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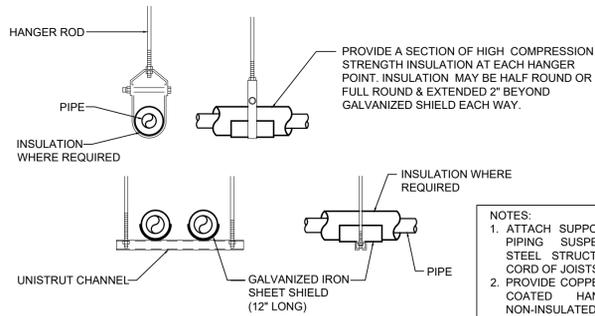
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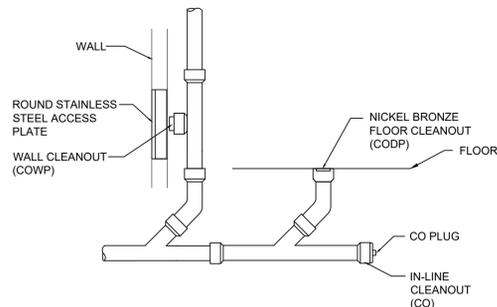
NYSED PROJECT # 66-07-01-03-0-011-031
FIRST FLOOR PROP. SANITARY PLAN
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 HOMMOCKS MIDDLE SCHOOL
 1-30 HOMMOCKS ROAD
 LARCHMONT, NY 10538
 Job No. 4.1092.87
 File No. 4109287P201
P2.02

PLUMBING FIXTURE SCHEDULE

NUMBER	FIXTURE	MANUFACTURER	MODEL NO.	SUPPLY PIPE NO.	SUPPORT NO.	PIPE SIZES					NOTES
						TRAP	WASTE	VENT	CW	HW	
P-1	WATER CLOSET (FLOOR MOUNT)	AMERICAN STANDARD	2234.001	-	-	INTEGRAL	4"	2"	1 1/2"	-	FLUSHOMETER MANUFACTURER: SLOAN/ MODEL # EBV-500-A/ SINGLE FLUSH SIDE MOUNT FLUSHOMETER.
P-1A	ADA WATER CLOSET (FLOOR MOUNT)	AMERICAN STANDARD	3466.001	-	-	INTEGRAL	4"	2"	1 1/2"	-	FLUSHOMETER MANUFACTURER: SLOAN/ MODEL # EBV-500-A/ SINGLE FLUSH SIDE MOUNT FLUSHOMETER.
P-2	DROP-IN LAVATORY	AMERICAN STANDARD	0495221	-	-	P-TRAP	1 1/2"	1 1/2"	1/2"	1/2"	FAUCET MANUFACTURER: T&S/ MODEL # B-0805-VR-VF05/ METERING VANDAL RESISTANT FAUCET. PROVIDE AND INSTALL ASSE 1070/ASME A112.1070 COMPLIANT THERMOSTATIC MIXING VALVE AND LIMIT WATER TEMPERATURE TO 110°F. PROVIDE AND INSTALL LAVATORY SHIELD.
P-3	URINAL	AMERICAN STANDARD	6002.001	-	-	INTEGRAL	2"	2"	3/4"	-	FLUSHOMETER MANUFACTURER: SLOAN/ MODEL # EBV-500-A/ SINGLE FLUSH SIDE MOUNT FLUSHOMETER.
P-3A	ADA URINAL	AMERICAN STANDARD	6002.001	-	-	INTEGRAL	2"	2"	3/4"	-	TOP OF RIM TO BE INSTALLED 17" AFF TO MEET ADA GUIDELINES. FLUSHOMETER MANUFACTURER: SLOAN/ MODEL # EBV-500-A/ SINGLE FLUSH SIDE MOUNT FLUSHOMETER.
P-4	FLOOR DRAIN	ZURN	Z415B-VP	-	-	-	2"	-	-	-	STAINLESS STEEL, SCREW MOUNTED (VANDAL-PROOF).
P-5	HOSE BIBB	ZURN	Z1341-P34	-	-	-	-	-	3/4"	-	-
P-6	MOP SINK	MUSTEE	65M	-	-	2"	2"	2"	3/4"	3/4"	ACCESSORIES MANUFACTURER: MUSTEE. SERVICE FAUCET MODEL # 63.600A/ HOSE AND HOSE HOLDER MODEL # 65.700 MOP HANGAR # 65.700.
P-7	SHOWER	ZURN	Z-7000-I2-AP	-	-	2"	2"	2"	1/2"	1/2"	DIVERTER VALVE MANUFACTURER: ZURN/ MODEL # Z7000-DV-2P/ TEMP-GARD DIVERTER VALVE, 2-WAY.
P-7A	ADA SHOWER	AMERICAN STANDARD	1662.221	-	-	2"	2"	2"	1/2"	1/2"	-
P-8	WALL MOUNT LAVATORY	AMERICAN STANDARD	0124.024	-	-	P-TRAP	1 1/2"	1 1/2"	1/2"	1/2"	FAUCET MANUFACTURER: T&S/ MODEL # B-0805-VR-VF05/ METERING VANDAL RESISTANT FAUCET. PROVIDE AND INSTALL ASSE 1070/ASME A112.1070 COMPLIANT THERMOSTATIC MIXING VALVE AND LIMIT WATER TEMPERATURE TO 110°F.
P-8A	ADA WALL MOUNT LAVATORY	AMERICAN STANDARD	9141.011	-	-	P-TRAP	1 1/2"	1 1/2"	1/2"	1/2"	FAUCET MANUFACTURER: T&S/ MODEL # B-0805-VR-VF05/ METERING VANDAL RESISTANT FAUCET. PROVIDE AND INSTALL ASSE 1070/ASME A112.1070 COMPLIANT THERMOSTATIC MIXING VALVE AND LIMIT WATER TEMPERATURE TO 110°F. PROVIDE AND INSTALL LAVATORY SHIELD.
P-9	SHOWER PAN	BEST BATH	P3636.V2	-	-	P-TRAP	2"	-	-	-	FIBERGLASS SINGLE-PIECE SHOWER PAN
P-10	SHOWER PAN	BEST BATH	P3632.V2	-	-	P-TRAP	2"	-	-	-	FIBERGLASS SINGLE-PIECE SHOWER PAN
P-11	ADA SHOWER PAN	BEST BATH	P27239A75B	-	-	P-TRAP	2"	-	-	-	ADA COMPLIANT FIBERGLASS SINGLE-PIECE SHOWER PAN. PROVIDE AND INSTALL T-SHAPED RUBBER WATER STOPPER. ENSURE THRESHOLD IS ADA COMPLIANT



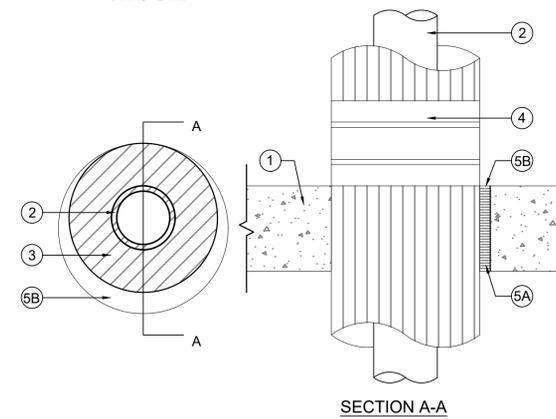
1 P6.01 N.T.S. Piping Support Hanger Detail



2 P6.01 N.T.S. Cleanout Detail

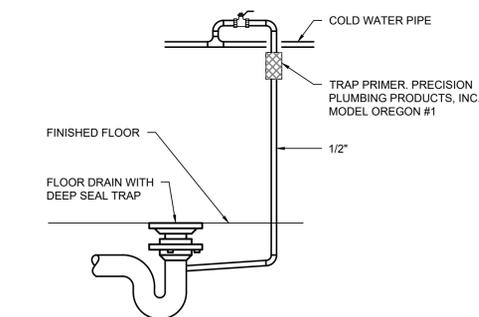
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T RATING - 2 HR.

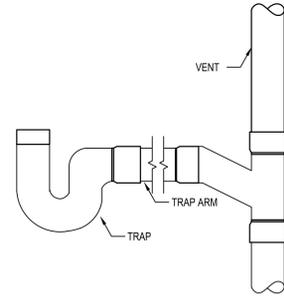


3 P6.01 N.T.S. Typical Pipe Penetration (All Locations) Detail

- FLOOR OR WALL ASSEMBLY - MIN 5 1/2 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIA. OF OPENING IS 14 IN. SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
 - THROUGH PENETRANTS - ONE METALLIC PIPE OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. PIPE OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY.
 - PIPE COVERING* - CELLULAR GLASS INSULATION - MAX 3 IN. THICK CELLULAR GLASS UNITS SIZED TO THE OUTSIDE DIAM. OF THE STEEL PIPE AND SUPPLIED IN NOM 24 IN. LONG HALF SECTIONS OR NOM 18 IN. LONG SEGMENTS. THE ANNULAR SPACE SHALL BE MIN 0 IN. (POINT CONTACT) TO MAX 2 IN. PIPE INSULATION INSTALLED ON PIPE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
 - METAL JACKET - MIN. 12 IN. LONG JACKET FORMED ON MIN. 0.010 IN. THICK STEEL OR ALUMINUM SHEET CUT TO WRAP TIGHTLY AROUND THE PIPE INSULATION WITH A MIN. 2 IN. LAP. JACKET SECURED WITH MIN. 1/2 IN. WIDE STAINLESS STEEL HOSE CLAMPS OR BANDS LOCATED WITHIN 2 IN. OF EACH END OF THE JACKET AND SPACED A MAX. OF 10 IN. O.C.
 - JACKET TO BE INSTALLED WITH EDGES ABUTTING SURFACE OF CAULK FILL MATERIAL (ITEM 5) ON BOTH SURFACES OF WALL. METAL JACKET TO BE USED IN ADDITION TO ANY OTHER JACKETING MATERIAL WHICH MAY BE REQUIRED TO OR DESIRED ON THE PIPE INSULATION.
 - FIRESTOP SYSTEM - THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:
 - A PACKAGING MATERIAL - MIN 5 IN. THICKNESS OF MIN. 4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.
 - B FILL VOID OR CAVITY MATERIAL* - SEALANT - MIN. 1/2 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR WITH BOTH SURFACES OF WALL. AT POINT CONTACT LOCATION BETWEEN PENETRANT AND PERIPHERY OF OPENING, A MIN. 1/2 IN. DIA. BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE PERIPHERY OF OPENING/PIPE COVERING INTERFACE ON TOP SURFACE OF FLOOR ASSEMBLY OR BOTH SURFACES OF WALL ASSEMBLY.
- *BEARING THE UL CLASSIFICATION MARK



4 M6.01 N.T.S. Trap Primer Detail

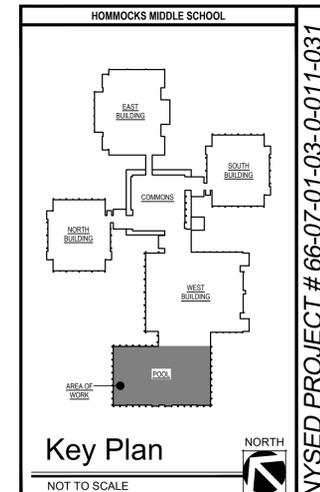


5 M6.01 N.T.S. Trap Detail



- NOTES
- ALL THREADED PIPING BETWEEN UNIONS SHALL BE BRASS.
 - INSTALL DI-ELECTRIC UNIONS FOR PIPING CONNECTIONS OF DISSIMILAR METALS.

6 M6.01 N.T.S. DHWR VALVE ASSEMBLY



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