



ADDENDUM NO. 01

PROJECT: Gallatin Town Hall Renovations

CPL PROJECT NO. R22.16758.00

DATE: April 8, 2024

Based on the pre-bid meeting held on March 26, 2024, provided are the questions asked during the meeting along with a corresponding response. Include this Addendum as part of the Contract Documents. It supplements portions of the original specifications and drawings, the extent of which shall remain, except as revised herein:

CLARIFICATIONS / RESPONSE TO BIDDER QUESTIONS

1. *Can allowance be a whole number and not a percentage?*

Allowances will remain a percentage of the lump sum.

2. *Will the Town Hall be open during construction?*

Yes, town hall will remain open during construction. The owner would like to phase the work so the addition is handled first and the alterations are handled after the addition is completed.

3. *Does GC own excavation for other trades?*

Yes, GC owns excavation for all trades. Refer to the Multiple Contract Summary.

4. *What will happen with the furniture?*

Town will move all furniture. Contractors to coordinate with town when furniture is needed to be moved/relocated.

5. *Are mechanicals tied from addition to exist?*

No.

6. *Can the town shift staff with a phasing plan?*

Yes, the town can make accommodations to have the building empty multiple days in a row.



7. *Can schoolhouse happen with the addition?*

Yes, schoolhouse portion of the project can be renovated when the addition is being constructed.

8. *Should the floor in the existing building be insulated?*

Yes, provide 10" fiberglass batt insulation (R-30; kraft-faced) in all existing floor framing bays. Approximately 1,400 SF.

9. *Who is providing an electrical car charging station?*

The town is providing the electric charging station (could be a future install after project is completed). Electrical Contractor is responsible for providing power as indicated on drawing E003.

10. *Are there asbestos shingles on schoolhouse?*

Yes, the shingles on the schoolhouse portion of the building were tested and came back positive for containing asbestos. Abatement will be required for removal by the GC. Refer to spec 028212 and drawing A105.

11. *Are we repairing the schoolhouse foundation wall?*

GC to remove soil up to 8" deep in damaged areas, and remove loose and deteriorated joint material and replace mortar at voids greater than 1 inch. Then apply parging over areas of existing stone foundation.

12. *Is there a unit price for the rock removal?*

Yes. We have provided an updated form of proposal along with an updated allowance and unit prices spec.

13. *There are (2) specifications for aluminum doors and frames: Spec 081116 and Spec 084313. Spec 081116 Aluminum Doors and Frames calls for wide stile doors and anodized finish. Spec 084313 Aluminum-Framed Storefronts calls for narrow stile thermal doors and organic coating finish. What specification do we use for the aluminum doors and frames?*

Use spec 081116 for aluminum doors and frames. Delete spec 084313.

14. *For the Service and Teller Windows, (2) type H windows have been located. However, there is no window elevation shown of type H windows but the window schedule on sheet TH A702 shows Detail 3. Detail 3 appears to show a horizontal mullion which is not typical of a sliding interior window. If an elevation of window type H could be provided, that would be helpful. If elevation is not available, should we provide a standard interior sliding transaction window?*

There will be no mullion in the service and teller windows. Provide a standard



interior sliding transaction window.

15. *Provide specification for glazing for aluminum doors.*

Refer to spec 081116 2.01.B. for glazing information.

16. *230719.3.2-M states, "Exterior Applications: Provide vapor barrier jacket. Insulate fittings, joints, and valves with insulation of like material and thickness as adjoining pipe, and finish with glass mesh reinforced vapor barrier cement. Cover with aluminum jacket with seams located on bottom side of horizontal piping. Provide two coats of UV resistant finish for flexible elastomeric cellular insulation without jacketing." Aerocel Stay-Seal and K-flex Titan would not require additional jacketing or membranes because they both have an integral factory jacket for exterior applications.*

We are ok with substitutions.

17. *As previously stated in 230719.3.2-M, "Cover with aluminum jacket with seams located on bottom side of horizontal piping. Provide two coats of UV resistant finish for flexible elastomeric cellular insulation without jacketing." Aluminum jacketing has its own vapor barrier, which makes an additional vapor barrier redundant.*

18. We are ok with substitutions.

19. *230719.3.03-B reads as follows: "Outdoor Systems: 1. Refrigerant Suction and Hot Gas: α: All Sizes: 2 inch thick flexible Elastomeric Cellular with Vapor Barrier and Aluminum? Of the three specified elastomeric insulation types, only Aerocel is available in 2" wall thickness. However, this product is NOT readily available in our market.*

We are ok with substitutions.

20. *Referring to 230719.3.2-M, UV resistant coatings for elastomeric insulation require periodic maintenance to maintain their effectiveness. This places a burden on the owner in the future.*

We are ok with substitutions.

21. *Please clarify what contract is responsible to provide and install site lighting and light pole bases on page TG C301.*

The Electrical Contractor is responsible to provide and install site lighting and light pole bases.

22. *Drawing TG-A600 details show the "R1" Panel to be PC Batten panel. The trims are shown using the PC Standing Seam. Please confirm which panel is to be used.*

There are two roof systems being used. Refer to roof plan on TG-A203 for locations.



23. *No color was given but does state "24ga Metallic Coated Steel". So, a premium color will be quoted, which will not include any custom colors.*

Color will be picked from manufacturer's full range of available colors during the submittal process.

24. *There is no mention in the specs that state the project is to have a weathertight warranty of any kind. Please indicate if there should be a weathertight warranty and if so, what type of warranty?*

Yes, provide a 20 year weathertight warranty.

25. *On A101, note 5 has patching at wall sheathing. Would this be possible to have an allowance?*

Patching will be as required and included in lump sum base bid amount, no allowance.

26. *On A203, note R1 has patching roof sheathing. Would this be possible to have an allowance?*

Patching will be as required and included in lump sum base bid amount, no allowance.

27. *On the finish schedule, it has paint at kitchen and FRP on elevation with no specs. Please clarify.*

The Kitchen wall finished will be painted.

TO THE PROJECT MANUAL:

1. 004000 – Form of Proposal.
2. 012100 – Allowances.
3. 012200 – Unit Prices.
4. 028212 – Asbestos Abatement.

TO THE DRAWINGS:

1. Drawing TG C101: Replace with attached revised TG C101.
2. Drawing TC C200: Replace with attached revised TC C200.
3. Drawing TG C202: Replace with attached revised TG C202.
4. Drawing TG A105: Replace with attached revised TG A105.
5. Drawing TG E001: Replace with attached revised TG E001.
6. Drawing TG E002: Replace with attached revised TG E002.



7. Drawing TG E003: Replace with attached revised TG E003.
8. Drawing TG E800: Replace with attached revised TG E800.

ATTACHMENTS:

1. Drawing TG C101.
2. Drawing TC C200.
3. Drawing TG C202.
4. Drawing TG A105.
5. Drawing TG E001.
6. Drawing TG E002.
7. Drawing TG E003.
8. Drawing TG E800.

END OF ADDENDUM NO. 1

**SECTION 004000
FORM OF PROPOSAL**

DATED: _____

Bid from: Name: _____
Address: _____

Phone No.: _____
Fax No.: _____

Bid to: Town of Gallatin
667 County Route 7
Pine Plains, NY 12567

Bid for: Gallatin Town Hall Addition
(CHECK ONLY **ONE** OF THE FOLLOWING)
 GENERAL TRADES (GC)
 PLUMBING WORK (PC)
 MECHANICAL (HVAC) WORK (MC)
 ELECTRICAL WORK (EC)

BASE BID

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

Total Lump Sum Base Bid including allowances (in numbers):

\$ _____

Total Lump Sum Base Bid including allowances (in words):

\$ _____

ADDENDA RECEIVED

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

Addendum No.: _____ Dated: _____

Addendum No.: _____ Dated: _____

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

BID GUARANTEE

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

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

TIME OF COMPLETION

It is agreed by the undersigned that after receipt of a Notice of Award and a consummation of a Contract Agreement in accord with the terms of the Contract Documents, he or she will start work within ten (10) consecutive calendar days of the notice to proceed and fully complete the work by September 20, 2025.

ALLOWANCES

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

| | |
|----------------------------|--|
| General Trades GC-1 | Allowance Amount: \$ _____ (5% of base bid) |
| Rock Removal (350 CY) GC-2 | Allowance Amount:\$ _____ |
| Plumbing Work PC-1 | Allowance Amount: \$ _____ (5% of base bid) |
| Mechanical Work MC-1 | Allowance Amount: \$ _____ (5% of base bid) |
| Electrical Work EC-1 | Allowance Amount: \$ _____ (5% of base bid) |

ALTERNATE BIDS

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

UNIT PRICES

Refer to Specification Section 012200 "Unit Prices" for a description of each item. Should the value of the Work for this project be increased or decreased due to changes in design or based on field conditions, the Bidder agrees that the following unit prices will be used as the basis for an increase or decrease in the Contract amount. The difference between the "add" unit price and the "deduct" unit price for any item listed below shall not be greater than 20% of the "add" unit price.

1. **GENERAL CONSTRUCTION (GC)**
 - a. Rock removal - (per Cubic Yard):
ADD \$ _____ / cubic yard.

BID SECURITY

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

IRAN DIVESTMENT ACT CERTIFICATION

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

REPRESENTATIONS

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

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

6. The proposal is based upon the materials, equipment and systems required by the Contract Documents, without exception, unless otherwise set forth in this Proposal in detail.

CHANGE ORDERS

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

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

NON-COLLUSIVE BIDDING CERTIFICATION

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

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

ACCEPTANCE

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

AFFIRMS

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

TYPE OF BUSINESS

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

PLACE OF BUSINESS

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

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

EXECUTION OF CONTRACT

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

ASBESTOS

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

AUTHORIZED SIGNATURES FOR PROPOSALS

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

(if Corporation, provide seal above)

IRAN DIVESTMENT ACT CERTIFICATION

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

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

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

MAILING ADDRESS: _____

CITY/STATE/ZIP CODE: _____

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

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

DATED: _____

SWORN to before me this
_____ day of _____ 20 ____

Notary Public: _____

SEXUAL HARASSMENT POLICY/TRAINING AFFIRMATION

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

Contractor Information:

Name of Contractor: _____

Address: _____

Phone Number: _____ Fax Number: _____

Email Address: _____

Contractor Website: _____

(Signature of Contractor) (Title) (Date)

END OF SECTION 004000 004000

**SECTION 012100
ALLOWANCES**

SUMMARY

1.01 SECTION INCLUDES ADMINISTRATIVE AND PROCEDURAL REQUIREMENTS GOVERNING ALLOWANCES.

- A. Certain items are specified in the Contract Documents by allowances. Allowances have been established in lieu of additional requirements and to defer selection of actual materials and equipment to a later date when direction will be provided to the Contractor. If necessary, additional requirements will be issued by Change Order.

1.02 TYPES OF ALLOWANCES INCLUDE THE FOLLOWING:

- A. Contingency allowances.

1.03 RELATED SECTIONS:

- A. Division 01 Section "Unit Prices" for procedures for using unit prices.

SELECTION AND PURCHASE

2.01 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.

2.02 AT ARCHITECT'S REQUEST, OBTAIN PROPOSALS FOR EACH ALLOWANCE FOR USE IN MAKING FINAL SELECTIONS. INCLUDE RECOMMENDATIONS THAT ARE RELEVANT TO PERFORMING THE WORK.

2.03 PURCHASE PRODUCTS AND SYSTEMS SELECTED BY ARCHITECT FROM THE DESIGNATED SUPPLIER.

ACTION SUBMITTALS

3.01 SUBMIT PROPOSALS FOR PURCHASE OF PRODUCTS OR SYSTEMS INCLUDED IN ALLOWANCES, IN THE FORM SPECIFIED FOR CHANGE ORDERS.

COORDINATION

4.01 COORDINATE ALLOWANCE ITEMS WITH OTHER PORTIONS OF THE WORK.

QUANTITY ALLOWANCES

5.01 ALLOWANCE SHALL INCLUDE COST TO CONTRACTOR OF SPECIFIC PRODUCTS AND MATERIALS ORDERED BY OWNER OR SELECTED BY ARCHITECT UNDER ALLOWANCE AND SHALL INCLUDE DELIVERY TO PROJECT SITE.

5.02 UNLESS OTHERWISE INDICATED, CONTRACTOR'S COSTS FOR RECEIVING AND HANDLING AT PROJECT SITE, LABOR, INSTALLATION, OVERHEAD AND PROFIT, AND SIMILAR COSTS RELATED TO THE WORK ORDERED BY OWNER UNDER THE ALLOWANCE SHALL BE INCLUDED AS PART OF THE CONTRACT SUM AND NOT PART OF THE ALLOWANCE.

CONTINGENCY ALLOWANCES

6.01 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.

6.02 CONTRACTOR'S OVERHEAD, PROFIT, FOR WORK ORDERED BY OWNER UNDER THE CONTINGENCY ALLOWANCE IS INCLUDED IN THE CONTRACT SUM AND IS NOT PART OF THE ALLOWANCE.

6.03 AT PROJECT CLOSEOUT, CREDIT UNUSED AMOUNTS REMAINING IN THE CONTINGENCY ALLOWANCE TO OWNER BY CHANGE ORDER.

ADJUSTMENT OF ALLOWANCES (QUANTITY AND UNIT COST)

7.01 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.

A. Include installation costs in purchase amount indicated in the allowance.

7.02 SUBMIT CLAIMS FOR INCREASED COSTS BECAUSE OF A CHANGE IN SCOPE AS DESCRIBED IN THE CONTRACT DOCUMENTS, WHETHER FOR THE QUANTITY AMOUNT OR CONTRACTOR'S HANDLING, LABOR, INSTALLATION, OVERHEAD, AND PROFIT.

A. 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.

B. 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 1 PRODUCTS (NOT APPLICABLE)

PART 1 EXECUTION

PREPARATION

10.01 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.

1. Below are examples

GENERAL CONSTRUCTION SCHEDULE OF ALLOWANCES

11.01 GC- 1: QUANTITY ALLOWANCE: INCLUDE 350 CU. YD. OF ROCK REMOVAL AND REPLACEMENT WITH SATISFACTORY SOIL MATERIAL, AS SPECIFIED IN SECTION 312000 "EARTH MOVING". THIS ALLOWANCE IS FOR ROCK WHICH CANNOT BE EXCAVATED USING CONVENTIONAL MEANS OF EXCAVATION (I.E. WITH AN EXCAVATOR). PAYMENT SHALL BE COMPLETE FOR THE INCREASED COST RELATIVE TO REGULAR EARTH EXCAVATION INCLUDED IN OTHER PAY ITEMS ONLY AS ORDERED BY THE ENGINEER. PAYMENT SHALL INCLUDE BREAKING, CHIPPING, EXCAVATION, AND REMOVAL OF ROCK

A. Coordinate quantity allowance adjustment with unit-price requirements in Section 012200 "Unit Prices."

11.02 GC-3: CONTINGENCY ALLOWANCE: INCLUDE IN THE BASE BID AN ALLOWANCE OF 5% OF THE BASE BID FOR USE ACCORDING TO THE OWNERS INSTRUCTIONS.

A. Contractor overhead and profit is provided in the Base Bid.

MECHANICAL CONSTRUCTION SCHEDULE OF ALLOWANCES

12.01 MC-1: CONTINGENCY ALLOWANCE: INCLUDE IN THE BASE BID AN ALLOWANCE OF 5% OF THE BASE BID FOR USE ACCORDING TO THE OWNERS INSTRUCTIONS.

A. Contractor overhead and profit is provided in the Base Bid.

PLUMBING CONSTRUCTION SCHEDULE OF ALLOWANCES

13.01 PC-1: CONTINGENCY ALLOWANCE: INCLUDE IN THE BASE BID AN ALLOWANCE OF 5% OF THE BASE BID FOR USE ACCORDING TO THE OWNERS INSTRUCTIONS.

A. Contractor overhead and profit is provided in the Base Bid.

ELECTRICAL CONSTRUCTION SCHEDULE OF ALLOWANCES

14.01 EC-1: CONTINGENCY ALLOWANCE: INCLUDE IN THE BASE BID AN ALLOWANCE OF 5% OF THE BASE BID FOR USE ACCORDING TO THE OWNERS INSTRUCTIONS.

- A. Contractor overhead and profit is provided in the Base Bid.
14.02

END OF SECTION 012100

**SECTION 012200
UNIT PRICES**

SUMMARY

1.01 SECTION INCLUDES ADMINISTRATIVE AND PROCEDURAL REQUIREMENTS FOR UNIT PRICES.

1.02 RELATED SECTIONS:

- A. Division 01 Section "Contract Modification Procedures" for procedures for submitting and handling Change Orders.
- B. Division 01 Section "Allowances" for procedures in using Unit Prices with Allowances

DEFINITIONS

2.01 UNIT PRICE IS A PRICE PER UNIT OF MEASUREMENT FOR MATERIALS, EQUIPMENT, OR SERVICES, OR A PORTION OF THE WORK, ADDED TO OR DEDUCTED FROM THE CONTRACT SUM BY APPROPRIATE MODIFICATION, IF THE SCOPE OF WORK OR ESTIMATED QUANTITIES OF WORK REQUIRED BY THE CONTRACT DOCUMENTS ARE INCREASED OR DECREASED.

PROCEDURES

- 3.01 UNIT PRICES INCLUDE ALL NECESSARY MATERIAL, PLUS COST FOR DELIVERY, INSTALLATION, INSURANCE, APPLICABLE TAXES, OVERHEAD, AND PROFIT.**
- 3.02 MEASUREMENT AND PAYMENT: REFER TO INDIVIDUAL SPECIFICATION SECTIONS INDICATED IN THE "SCHEDULE OF UNIT PRICES" FOR WORK THAT REQUIRES ESTABLISHMENT OF UNIT PRICES. METHODS OF MEASUREMENT AND PAYMENT FOR UNIT PRICES ARE SPECIFIED IN THOSE SECTIONS.**
- 3.03 OWNER RESERVES THE RIGHT TO REJECT CONTRACTOR'S MEASUREMENT OF WORK-IN-PLACE THAT INVOLVES USE OF ESTABLISHED UNIT PRICES AND TO HAVE THIS WORK MEASURED, AT OWNER'S EXPENSE, BY AN INDEPENDENT SURVEYOR ACCEPTABLE TO CONTRACTOR.**
- 3.04 LIST OF UNIT PRICES: A SCHEDULE OF UNIT PRICES IS INCLUDED IN PART 3. SPECIFICATION SECTIONS REFERENCED IN THE SCHEDULE CONTAIN REQUIREMENTS FOR MATERIALS DESCRIBED UNDER EACH UNIT PRICE.**

PART 3 EXECUTION

SCHEDULE OF UNIT PRICES

5.01 GENERAL CONTRUCTION

- A. Unit Price No. GC-1: Rock excavation and replacement with satisfactory soil material..
 - 1. Description: Classified rock excavation and disposal off site and replacement with satisfactory fill material or engineered fill from off site, as required, in accordance with Division 31 Section "Earth Moving."
 - 2. Unit of Measurement: Cubic yard of rock excavated, based upon survey of volume removed.
 - 3. Quantity Allowance: Coordinate unit price with allowance adjustment requirements of Division 01 Section "Allowances."

END OF SECTION 012200

**SECTION 028213
ASBESTOS ABATEMENT**

SUMMARY

- 1.01 THIS ASBESTOS ABATEMENT PROJECT WILL CONSIST OF THE REMOVAL AND DISPOSAL OF ASBESTOS CONTAINING MATERIALS AT THE TOWN HALL IN GALLATIN, NEW YORK. THE SCOPE OF WORK IS INDICATED ON THE DRAWINGS.**
- 1.02 PROVIDE ABATEMENT OF LARGE, SMALL AND MINOR AMOUNTS OF ASBESTOS IN ACCORDANCE WITH DEFINITION AND DESCRIPTIONS OF CODE 56 AND AS FOLLOWS.**
- 1.03 THIS SECTION INCLUDES THE FOLLOWING:**
 - A. Demolition and removal of ACM including the following:
 1. Asbestos cement siding on schoolhouse portion of building.
 - 2.
- 1.04 THE CONTRACTOR SHALL BE AWARE OF ALL CONDITIONS OF THE PROJECT AND IS RESPONSIBLE FOR VERIFYING QUANTITIES AND LOCATIONS OF ALL WORK TO BE PERFORMED. FAILURE TO DO SO SHALL NOT RELIEVE THE CONTRACTOR OF ITS OBLIGATION TO FURNISH ALL LABOR AND MATERIALS NECESSARY TO PERFORM THE WORK.**
- 1.05 ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE PROJECT DOCUMENTS AND ALL GOVERNING CODES, RULES, AND REGULATIONS. WHERE CONFLICTS OCCUR BETWEEN THE PROJECT DOCUMENTS AND APPLICABLE CODES, RULES, AND REGULATIONS, THE MORE STRINGENT SHALL APPLY.**
- 1.06 WORKING HOURS SHALL BE AS REQUIRED AND APPROVED BY THE OWNER. ASBESTOS ABATEMENT ACTIVITIES INCLUDING, BUT NOT LIMITED TO, WORK AREA PREPARATION, GROSS REMOVAL ACTIVITIES, CLEANING ACTIVITIES, WASTE REMOVAL, ETC. MAY NEED TO BE PERFORMED DURING 'OFF-HOURS' (INCLUDING NIGHTS AND WEEKENDS). IN ADDITION, MULTIPLE MOBILIZATIONS MAY BE REQUIRED TO PERFORM THE WORK IDENTIFIED IN THIS PROJECT. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE FACILITY AND OWNER'S REPRESENTATIVE REGARDING SCHEDULING.**
- 1.07 CHANGE ORDERS DUE TO VARIANCES: ANY VARIANCE TO REGULATORY REQUIREMENTS SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE REGULATORY AGENCY SHALL BE EXECUTED UPON APPROVAL BY THE OWNER PURSUANT TO REVIEW OF CHANGE IN SCOPE OF WORK AND CHANGE IN CONTRACT COST RESULTING IN COST.**
 - A. Change Orders shall be prepared and issued in accordance with Division 01 Section "Contract Modification Procedures."
 - B. Variances which include the use of a remote personal decontamination enclosure system for interior abatement will not be permitted when asbestos removal includes friable material other than vinyl asbestos tile or approved glove bag operations.

RELATED SECTIONS

- 2.01 DIVISION 01 SECTION "SUMMARY" FOR USE OF PREMISES AND OWNER-OCCUPANCY REQUIREMENTS.**
- 2.02 DIVISION 01 SECTION "TEMPORARY FACILITIES AND CONTROLS" FOR GENERAL TEMPORARY CONSTRUCTION AND ENVIRONMENTAL-PROTECTION MEASURES FOR DEMOLITION OPERATIONS.**
- 2.03 DIVISION 01 SECTION "CUTTING AND PATCHING" FOR CUTTING AND PATCHING PROCEDURES.**
- 2.04 DIVISION 02 SECTION "SELECTIVE DEMOLITION" FOR DEMOLITION OF SELECTED PORTIONS OF BUILDINGS AND STRUCTURES THAT ARE NOT ACM.**

- 2.05 DIVISION 07 SECTION "PREPARATION FOR RE-ROOFING" FOR ROOFING REMOVAL WORK THAT PRECEDES OR IS COINCIDENT WITH ACM REMOVAL AT ROOF AREAS.**
- 2.06 DIVISION 09 FOR ALL RESILIENT FLOORING FINISHES AND THE ABATEMENT WORK THAT MAY AFFECT THE INSTALLATION OF NEW MATERIALS**

DEFINITIONS

- 3.01 ABATEMENT: ANY PORTION OF A PROJECT THAT INCLUDED PROCEDURES TO CONTROL RELEASE FROM ANY ASBESTOS CONTAINING MATERIAL. THIS INCLUDES REMOVAL, ENCAPSULATION, REPAIR OR HANDLING OR POSSIBLE EXPOSURE FROM CONSTRUCTION RELATED WORK THAT MAY RESULT IN THE RELEASE OF ASBESTOS FIBERS.**
- 3.02 ACM: ASBESTOS-CONTAINING MATERIALS OR ASBESTOS-CONTAMINATED MATERIALS. REFER TO DIVISION 00 SECTION "EXISTING HAZARDOUS MATERIALS INFORMATION" FOR REPORTS PROVIDING INFORMATION ON EXISTING ACM.**
- 3.03 REGULATORY REQUIREMENTS: LAWS, RULES AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION OVER THE HANDLING, REMOVAL, TRANSPORTATION AND DISPOSAL OF ACM, INCLUDING LOCAL, STATE AND FEDERAL REGULATIONS LISTED UNDER "QUALITY ASSURANCE" ARTICLE.**
- 3.04 REMOVE: DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM OFF-SITE.**
- 3.05 EXISTING TO REMAIN: EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT TO BE REMOVED AND THAT ARE NOT OTHERWISE INDICATED TO BE REMOVED, REMOVED AND SALVAGED, OR REMOVED AND REINSTALLED.**
- 3.06 TSI: THERMAL SYSTEMS INSULATION**
- 3.07 VAT: VINYL ASBESTOS TILE**

PERMITS AND COMPLIANCE

- 4.01 THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY AND LIABILITY FOR COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS PERTAINING TO WORK PRACTICES, PROTECTION OF WORKERS, AUTHORIZED VISITORS TO THE SITE, PERSONS, AND PROPERTY ADJACENT TO THE WORK.**
- 4.02 PERFORM ASBESTOS RELATED WORK IN ACCORDANCE WITH NEW YORK STATE INDUSTRIAL CODE RULE 56, 40 CFR 61, AND 29 CFR 1926, AS SPECIFIED HEREIN. WHERE MORE STRINGENT REQUIREMENTS ARE SPECIFIED, ADHERE TO THE MORE STRINGENT REQUIREMENTS. EFFECTIVE SEPTEMBER 5, 2006 ALL WORK CONDUCTED MUST BE IN ACCORD WITH AMENDED ICR-56 THAT WAS ADOPTED ON JANUARY 11, 2006.**
- 4.03 THE CONTRACTOR AND ITS SUBCONTRACTORS PERFORMING ASBESTOS ABATEMENT WORK MUST MAINTAIN CURRENT LICENSES PURSUANT TO NEW YORK STATE DEPARTMENT OF LABOR AND DEPARTMENT OF ENVIRONMENTAL CONSERVATION FOR ALL WORK RELATED TO THIS PROJECT, INCLUDING THE REMOVAL, HANDLING, TRANSPORT, AND DISPOSAL OF ASBESTOS CONTAINING MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR MAKING SURE THAT ITS SUBCONTRACTORS PERFORMING THIS WORK ARE COMPLIANT WITH THE AMENDED ICR 56.**
- 4.04 THE CONTRACTOR MUST HAVE AND SUBMIT PROOF UPON REQUEST THAT ANY PERSONS EMPLOYED BY THE CONTRACTOR TO ENGAGE IN OR SUPERVISE WORK ON ANY ASBESTOS PROJECT HAVE A VALID NYS ASBESTOS HANDLING CERTIFICATE PURSUANT TO INDUSTRIAL CODE RULE 56.**

- 4.05 THE CONTRACTOR SHALL COMPLY FULLY WITH ANY VARIANCES SECURED FROM REGULATORY AGENCIES FOLLOWING OWNER APPROVAL IN THE PERFORMANCE OF THE WORK. SHOULD THE CONTRACTOR CHOOSE TO APPLY FOR A SITE SPECIFIC VARIANCE, APPROVAL OF THE OWNER IS FIRST REQUIRED. ANY CONTRACTOR SUBMITTED PETITION FOR A SITE SPECIFIC VARIANCE MUST BE SUBMITTED BY THE CONTRACTOR (AT HIS/HER OWN COST) A MINIMUM OF TWO WEEKS PRIOR TO COMMENCEMENT OF THE PROJECT. ANY PETITION FOR VARIANCE MUST BE COMPLETED AND SUBMITTED BY A PERSON POSSESSING A VALID NYS DOL PROJECT DESIGNER CERTIFICATION.**
- 4.06 IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE WHAT, IF ANY, PATENTS ARE APPLICABLE TO THE PROJECT. THE CONTRACTOR SHALL PAY ALL ROYALTIES AND/OR LICENSE FEES. HE SHALL DEFEND ALL SUITS OR CLAIMS FOR INFRINGEMENT OF ANY PATENT RIGHTS AND SAVE THE OWNER, ARCHITECT, ENGINEER, ENVIRONMENTAL CONSULTANT, AND CONSTRUCTION MANAGER HARMLESS FROM LOSS, INCLUDING ATTORNEY'S FEES, ON ACCOUNT THEREOF.**
- 4.07 FAILURE TO ADHERE TO THE PROJECT DOCUMENTS SHALL CONSTITUTE A BREACH OF THE CONTRACT AND THE OWNER SHALL HAVE THE RIGHT TO AND MAY TERMINATE THE CONTRACT PROVIDED, HOWEVER, THE FAILURE OF THE OWNER TO SO TERMINATE SHALL NOT RELIEVE THE CONTRACTOR FROM FUTURE COMPLIANCE.**

APPLICABLE STANDARDS AND REGULATIONS

5.01 REGULATORY REQUIREMENTS: COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE BEGINNING ACM DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION. COMPLY WITH THE CURRENT AND APPLICABLE PORTIONS OF THE FOLLOWING:

- A. New York State Regulations:
1. 12 NYCRR, Part 56, "Asbestos", Industrial Code Rule 56 adopted March 7, 2007 (DOL) referred to as "Code Rule 56" of the NYS Codes, Rules and Regulations (Statutory Authority: New York State Labor Law Section 906).
 - a. Exception: Variances obtained in accordance with Article 30 of the Labor Law.
 2. 6 NYCRR, Parts 360, 364, Disposal and Transportation (DEC)
 3. 10 NYCRR, Part 73, "Asbestos Safety Program Requirements" (DOH)
 4. 12NYCRR56, New York State School Asbestos Safety Act (SASA).
- B. Federal Regulations:
1. Asbestos Hazard Emergency Response Act (AHERA) regulations, EPA Final Rule and Notice for Asbestos-Containing Material in Schools, 40 CFR Part 763.
 2. 29 CFR 1910.1001, "Asbestos" (OSHA)
 3. 29 CFR 1910.1200, "Hazard Communication" (OSHA)
 4. 29 CFR 1910.134, "Respiratory Protection" (OSHA)
 5. 29 CFR 1910.145, "Specification for Accident Prevention Signs and Tags" (OSHA)
 6. 29 CFR 1926, "Construction Industry" (OSHA)
 7. 29 CFR 1926.1101, "Asbestos, Tremolite, Anthophyllite, and Actinolite" (OSHA)
 8. 29 CFR 1926.500 "Guardrails, Handrails and Covers" (OSHA)
 9. 40 CFR 61, Subpart A, "General Provisions" (EPA)
 10. 40 CFR 61, Subpart M, "National Emission Standard for Asbestos" (EPA)
 11. 49 CFR 171-172, Transportation Standards (DOT)
- C. Regulations and Requirements of NYS Agencies :
1. Building Code of New York State (BCNYS).
 2. New York State Education Department (SED).
 3. New York State Department of Labor (DOL).
 4. New York State Department of Health (DOH).
 5. New York State Department of Environmental Conservation (DEC).

- D. Regulations and Requirements of Federal Agencies:
 - 1. Occupational Safety and Health Administration (OSHA).
 - 2. United States Environmental Protection Agency (EPA).
- E. National Standards:
 - 1. National Electrical Code (NEC).

5.02 STANDARDS AND GUIDANCE DOCUMENTS:

- A. American National Standard Institute (ANSI) Z88.2-80, Practices for Respiratory Protection
- B. ANSI Z9.2-79, Fundamentals Governing the Design and Operation of Local Exhaust Systems
- C. EPA 560/585-024, Guidance for Controlling Asbestos Containing Materials in Buildings (Purple Book)
- D. EPA 530-SW-85-007, Asbestos Waste Management Guidance

QUALITY ASSURANCE

6.01 ACM DEMOLITION FIRM QUALIFICATIONS: A FULLY-LICENSED, CERTIFIED AND EXPERIENCED FIRM THAT HAS QUALIFIED WORKERS SPECIALIZED IN ACM DEMOLITION WORK SIMILAR IN MATERIAL AND EXTENT TO THAT INDICATED FOR THIS PROJECT.

- A. Firms shall be EPA-certified, and as follows:
 - 1. Firms shall be certified by the NYS Commissioner of Labor.
- B. Workers shall have successfully completed an EPA-certified safety training program, and as follows:
 - 1. All workers shall be certified by the NYS Department of Health.
- C. Firms that employ workers who are fully licensed and certified in accordance with Regulatory Requirements to perform the Work indicated may be qualified as determined by the Architect.

SUBMITTALS

7.01 QUALIFICATION DATA: FOR FIRM AND WORKERS PERFORMING ACM DEMOLITION.

- A. Licenses and certifications.
 - 1. EPA Certifications.
 - 2. NYS Asbestos Handling Licenses.
- B. Notice of Project Commencement: Per EPA requirements.

7.02 SCHEDULE OF ACM DEMOLITION ACTIVITIES: INDICATE THE FOLLOWING:

- A. Detailed sequence of ACM demolition and removal work, with starting and ending dates for each activity. Ensure Owner's on-site operations are uninterrupted.
- B. Interruption of utility services. Indicate how long utility services will be interrupted.
- C. Coordination for shutoff, capping, and continuation of utility services.
- D. Use of elevator and stairs.
- E. Locations and construction of proposed containment partitions and means of egress.
- F. Work area entry and exit procedures.
- G. Equipment and waste container decontamination and removal procedures, including waste decontamination enclosure systems.
- H. Engineering controls for ventilation and negative pressure.
- I. Signage as required.
- J. Locations and construction of proposed personal decontamination enclosure systems.
- K. Coordination of Owner's continuing occupancy of portions of existing building and of Owner's partial occupancy of completed Work.
- L. Means of protection for items to remain and items in path of ACM waste removal from building.

- M. Coordination with Owner's air sampling in areas where ACM removal is proceeding or completed.

7.03 PRE-WORK SUBMITTALS: WITHIN 7 DAYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT 3 COPIES OF THE DOCUMENTS LISTED BELOW:

- A. Contractor and Subcontractor licenses issued by New York State Department of Labor.
- B. A list of all Workers used in the performance of the Project, including name and a copy of their current NYSDOL Asbestos certification.
- C. For each Worker used in the performance of the Project, submit required employee statements including current Medical Examination Statement, current asbestos training certification, Worker's Acknowledgment Statement, Respirator Fit Test, and Employee Training Statement.
- D. A list of Projects performed within the past two (2) years including the dollar value of all Projects. Provide Project references to include Owner, consultant, and air monitoring firm's name, contact persons, address, and phone number.
- E. Progress Schedule:
- F. Show the complete sequence of abatement activities and the sequencing of Work within each building or building section.
- G. Show the dates for the beginning and completion of each major element of Work including substantial completion dates for each Work Area, building, or phase.
- H. Project Notifications: As required by Federal and State regulatory agencies together with proof of transmittal (i.e. certified mail return receipt).
- I. Building Occupant Notification: As required by regulatory agencies.
- J. Abatement Work Plan: Provide plans that clearly indicate the following:
 - 1. All Work Areas/containments numbered sequentially.
 - 2. Locations and types of all decontamination enclosures.
 - 3. Entrances and exits to the Work Areas/containments.
 - 4. Type of abatement activity/technique for each Work Area/containment.
 - 5. Number and location of negative air units and exhaust. Also provide calculations for determining number of negative air pressure units.
 - 6. Proposed location and construction of storage facilities and field office.
 - 7. Location of water and electrical connections to building services.
 - 8. Waste transport routes through the building to the waste storage container.
- K. Disposal Site/Landfill Permit from applicable regulatory agency.
- L. NYS Department of Environmental Conservation Waste Transporter Permit.
- M. Material Safety Data Sheets of supplies/chemicals to be used on the Project.

7.04 ON-SITE SUBMITTALS: REFER TO PART 3.01.D FOR ALL SUBMITTALS, DOCUMENTATION, AND POSTINGS REQUIRED TO BE MAINTAINED ON-SITE DURING ABATEMENT ACTIVITIES.

7.05 PROJECT CLOSE-OUT SUBMITTALS: WITHIN 30 DAYS OF PROJECT COMPLETION, THE CONTRACTOR SHALL SUBMIT (3) BOUND COPIES OF PROJECT RECORDS, LOGS, INSPECTIONS AND CHAIN-OF-CUSTODY PER REGULATORY REQUIREMENTS.

- A. Originals of all waste disposal manifests, seals, and disposal logs.
- B. Daily progress log, including the entry/exit log.
- C. Final project notifications and variances.
- D. Submit all material, product and equipment data used by the Contractor during the asbestos abatement project, including manufacturer's name, specifications and application instructions for surfactants, encapsulants and removal equipment.

- E. Submit manufacturer's data regarding EPA- and OSHA-approved containment, storage products, and removal equipment.

7.06 LANDFILL RECORDS: INDICATE RECEIPT AND ACCEPTANCE OF HAZARDOUS WASTES BY A LANDFILL FACILITY LICENSED TO ACCEPT HAZARDOUS WASTES.

- A. Submit name and permit of the Industrial Waste Hauler in accordance with Title 6 NYCRR364 for transporting of waste asbestos-containing materials to a disposal site. Include authorization from the intended disposal site.
- B. Submit name and permit in accordance with Title 6 NYCRR360, issued by the NYS DEC for acceptable landfill sites.

NOTICES

8.01 THE CONTRACTOR SHALL PROVIDE NOTIFICATION OF INTENT TO COMMENCE ASBESTOS ABATEMENT ACTIVITIES AS INDICATED BELOW.

- A. At least ten (10) Working days prior to beginning abatement activities, send written notification to:
 - 1) S. Environmental Protection Agency
 - 2) National Emissions Standards for Hazardous Air Pollutants (NESHAPS) Coordinator
 - 3) 26 Federal Plaza
 - 4) New York, NY 10007.
- B. At least ten (10) days prior to beginning abatement activities send written notification to:
 - 1) New York State Department of Labor
 - 2) Division of Safety and Health, Asbestos Control Program.
 - 3) State Office Campus
 - 4) Building 12 - Room 454
 - 5) Albany, NY 12240
 - 6)

8.02 THE CONTRACTOR IS REQUIRED TO SEND NOTIFICATIONS TO REGULATORY AGENCIES VIA MAIL OR PACKAGE DELIVERY SERVICE THAT WILL PROVIDE PROOF OF DELIVERY AND RECEIPT.

8.03 THE CONTRACTOR SHALL POST AND/OR PROVIDE BUILDING OCCUPANT NOTIFICATION AT LEAST 10 DAYS PRIOR TO BEGINNING ABATEMENT ACTIVITIES AS REQUIRED BY NYS INDUSTRIAL CODE RULE 56. THE POSTING SHALL INCLUDE THE FOLLOWING INFORMATION:

- A. The locations of the abatement Project.
- B. The amounts and types of asbestos containing materials being abated.
- C. The commencement and completion dates of the Project.
- D. The name, address, and asbestos license number of the Abatement Contractor.
- E. The name, address, and asbestos license number of the Environmental Consultant and laboratory.

PROJECT MONITORING AND AIR SAMPLING

9.01 THE OWNER HAS ENGAGED THE SERVICES OF A NYSDOL CERTIFIED PROJECT MONITOR AND AIR TECHNICIAN (ENVIRONMENTAL CONSULTANT) WHO SHALL SERVE AS THE OWNER'S REPRESENTATIVE IN REGARD TO THE PERFORMANCE OF THE ASBESTOS ABATEMENT PROJECT AND PROVIDE DIRECTION AS REQUIRED THROUGHOUT THE ENTIRE ABATEMENT PERIOD.

9.02 THE CONTRACTOR IS REQUIRED TO ENSURE COOPERATION OF ITS PERSONNEL WITH THE CONSULTANT FOR THE AIR SAMPLING AND PROJECT MONITORING FUNCTIONS DESCRIBED BELOW. THE CONTRACTOR SHALL COMPLY WITH ALL DIRECTION GIVEN BY THE CONSULTANT DURING THE COURSE OF THE PROJECT.

9.03 THE CONSULTANT SHALL PROVIDE THE FOLLOWING ADMINISTRATIVE SERVICES:

- A. Review and approve or disapprove all submittals, shop drawings, schedules, and samples.
- B. Assure that all notifications to governmental agencies by the Contractor are submitted in a timely manner and are correct in content.
- C. Review and approve the Contractor's OSHA compliance testing laboratory.

9.04 THE CONSULTANT SHALL STAFF THE PROJECT WITH A TRAINED AND CERTIFIED PERSON(S) TO ACT ON THE OWNER'S BEHALF AT THE JOB SITE. THE CONSULTANT SHALL PROVIDE THE NECESSARY AIR SAMPLING AS REQUIRED BY NYSDOL CODE RULE 56 AND THE SITE SPECIFIC VARIANCE OBTAINED FOR THIS PROJECT. IN ADDITION, THEY SHALL PROVIDE THE FINAL VISUAL INSPECTION AS REQUIRED BY NYSDOL CODE RULE 56-9.1(D) (1) AND THE SITE SPECIFIC VARIANCE.

CONTRACTOR AIR SAMPLING

10.01 IN ADDITION TO THE REQUIREMENTS OF OSHA 1926.1101, THE CONTRACTOR SHALL BE REQUIRED TO PERFORM PERSONAL AIR MONITORING EVERY WORK SHIFT IN EACH WORK AREA DURING WHICH ABATEMENT ACTIVITIES OCCUR IN ORDER TO DETERMINE THAT APPROPRIATE RESPIRATORY PROTECTION IS BEING WORN AND UTILIZED.

10.02 THE CONTRACTOR SHALL CONDUCT AIR SAMPLING THAT IS REPRESENTATIVE OF BOTH THE 8-HOUR TIME WEIGHTED AVERAGE AND 30-MINUTE SHORT-TERM EXPOSURES TO INDICATE COMPLIANCE WITH THE PERMISSIBLE EXPOSURE AND EXCURSION LIMITS.

10.03 THE CONTRACTOR'S LABORATORY ANALYSIS OF AIR SAMPLES SHALL BE CONDUCTED BY AN NYS DOH ELAP APPROVED LABORATORY, SUBJECT TO APPROVAL OF THE ENVIRONMENTAL CONSULTANT.

10.04 RESULTS OF PERSONNEL AIR SAMPLE ANALYSES SHALL BE AVAILABLE, VERBALLY, WITHIN TWENTY-FOUR (24) HOURS OF SAMPLING AND SHALL BE POSTED UPON RECEIPT. WRITTEN LABORATORY REPORTS SHALL BE DELIVERED AND POSTED AT THE WORK SITE WITHIN FIVE (5) DAYS. FAILURE TO COMPLY WITH THESE REQUIREMENTS MAY RESULT IN ALL WORK BEING STOPPED UNTIL COMPLIANCE IS ACHIEVED.

PROJECT SUPERVISOR

11.01 THE CONTRACTOR SHALL DESIGNATE A FULL-TIME PROJECT SUPERVISOR WHO SHALL MEET THE FOLLOWING QUALIFICATIONS:

- A. The Project Supervisor shall hold New York State certification as an Asbestos Supervisor.
- B. The Project Supervisor shall meet the requirements of a "Competent Person" as defined by OSHA 1926.1101 and shall have a minimum of one year experience as a supervisor.
- C. The Project Supervisor must be able to read and write English fluently, as well as communicate in the primary language of the Workers.

11.02 IF THE PROJECT SUPERVISOR IS NOT ON-SITE AT ANY TIME WHATSOEVER, ALL WORK SHALL BE STOPPED. THE PROJECT SUPERVISOR SHALL REMAIN ON-SITE UNTIL THE PROJECT IS COMPLETE. THE PROJECT SUPERVISOR CANNOT BE REMOVED FROM THE PROJECT WITHOUT THE WRITTEN CONSENT OF THE OWNER AND THE ENVIRONMENTAL CONSULTANT. THE PROJECT SUPERVISOR SHALL BE REMOVED FROM THE PROJECT IF SO REQUESTED BY THE OWNER.

11.03 THE PROJECT SUPERVISOR SHALL MAINTAIN THE PROJECT LOG BOOK REQUIRED BY NEW YORK STATE DEPARTMENT OF LABOR AND SECTION 2.03 OF THE SPECIFICATIONS AND THE WASTE DISPOSAL LOG REQUIRED BY SECTION 4.04 OF THE SPECIFICATIONS.

11.04 THE PROJECT SUPERVISOR SHALL BE RESPONSIBLE FOR THE PERFORMANCE OF THE WORK AND SHALL REPRESENT THE CONTRACTOR IN ALL RESPECTS AT THE PROJECT SITE. THE SUPERVISOR SHALL BE THE PRIMARY POINT OF CONTACT FOR THE ASBESTOS PROJECT MONITOR.

MEDICAL REQUIREMENTS

12.01 BEFORE EXPOSURE TO AIRBORNE ASBESTOS FIBERS, PROVIDE WORKERS WITH A COMPREHENSIVE MEDICAL EXAMINATION AS REQUIRED BY 29 CFR 1910.1001, AND 29 CFR 1926.1101.

- A. This examination is not required if adequate records show the employee has been examined as required by 29 CFR 1910.1001, and 29 CFR 1926.1101 within the past year.
- B. The same medical examination shall be given on an annual basis to employees engaged in an occupation involving asbestos fibers and within thirty (30) calendar days before or after the termination of employment in such occupations.

12.02 AS REQUIRED BY 29 CFR 1910.1001, AND 29 CFR 1926.1101 MAINTAIN COMPLETE AND ACCURATE RECORDS OF EMPLOYEES' MEDICAL EXAMINATIONS FOR A PERIOD OF THIRTY (30) YEARS AFTER TERMINATION OF EMPLOYMENT AND MAKE RECORDS OF THE REQUIRED MEDICAL EXAMINATIONS AVAILABLE FOR INSPECTION AND COPYING TO: THE ASSISTANT SECRETARY OF LABOR FOR OCCUPATIONAL SAFETY AND HEALTH, THE DIRECTOR OF THE NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH), AUTHORIZED REPRESENTATIVES OF EITHER OF THEM, AND AN EMPLOYEES PHYSICIAN UPON THE REQUEST OF THE EMPLOYEE OR FORMER EMPLOYEE.

12.03 THE CONTRACTOR SHALL FURNISH THE OWNER EVIDENCE OF ITS FIRM'S MEDICAL SURVEILLANCE PROGRAM REQUIRED UNDER 29 CFR 1910.1001, AND 29 CFR 1926.1101.

TRAINING

13.01 AS REQUIRED BY APPLICABLE REGULATIONS, PRIOR TO ASSIGNMENT TO ASBESTOS WORK INSTRUCT EACH EMPLOYEE WITH REGARD TO THE HAZARDS OF ASBESTOS, SAFETY AND HEALTH PRECAUTIONS, AND THE USE AND REQUIREMENTS OF PROTECTIVE CLOTHING AND EQUIPMENT.

13.02 ESTABLISH A RESPIRATOR PROGRAM AS REQUIRED BY ANSI Z88.2 AND 29 CFR 1910.134, AND 29 CFR 1926.1101. PROVIDE RESPIRATOR TRAINING AND FIT TESTING.

RESPIRATORY PROTECTION

14.01 SELECT RESPIRATORS FROM THOSE APPROVED BY THE MINE SAFETY AND HEALTH ADMINISTRATION (MSHA), AND THE NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH), DEPARTMENT OF HEALTH AND HUMAN SERVICES.

14.02 RESPIRATORS SHALL BE INDIVIDUALLY FIT-TESTED TO PERSONNEL UNDER THE DIRECTION OF AN INDUSTRIAL HYGIENIST ON A YEARLY BASIS. FIT-TESTED RESPIRATORS SHALL BE PERMANENTLY MARKED TO IDENTIFY THE INDIVIDUAL FITTED, AND USE SHALL BE LIMITED TO THAT INDIVIDUAL. FIT-TEST RECORDS SHALL BE MAINTAINED ON SITE FOR EACH EMPLOYEE.

14.03 WHERE FIBER LEVELS PERMIT, AND IN COMPLIANCE WITH REGULATORY REQUIREMENTS, POWERED AIR PURIFYING RESPIRATORS (PAPR) ARE THE MINIMUM ALLOWABLE RESPIRATORY PROTECTION PERMITTED TO BE UTILIZED DURING GROSS REMOVAL OPERATIONS.

14.04 NO RESPIRATORS SHALL BE ISSUED TO PERSONNEL WITHOUT SUCH PERSONNEL PARTICIPATING IN A RESPIRATOR TRAINING PROGRAM.

14.05 HIGH EFFICIENCY PARTICULATE AIR (HEPA) RESPIRATOR FILTERS SHALL BE APPROVED BY NIOSH AND SHALL CONFORM TO THE OSHA REQUIREMENTS IN 29 CFR 1910.134 AND 29 CFR 1926.1101.

14.06 A STORAGE AREA FOR RESPIRATORS SHALL BE PROVIDED BY THE CONTRACTOR IN THE CLEAN ROOM SIDE OF THE PERSONNEL DECONTAMINATION ENCLOSURE WHERE THEY WILL BE KEPT IN A CLEAN ENVIRONMENT.

14.07 THE CONTRACTOR SHALL PROVIDE AND MAKE AVAILABLE A SUFFICIENT QUANTITY OF RESPIRATOR FILTERS SO THAT FILTER CHANGES CAN BE MADE AS NECESSARY DURING THE WORK DAY. FILTERS WILL BE REMOVED AND DISCARDED DURING THE DECONTAMINATION PROCESS. FILTERS CANNOT BE REUSED. FILTERS MUST BE CHANGED IF BREATHING BECOMES DIFFICULT.

14.08 FILTERS USED WITH NEGATIVE PRESSURE AIR PURIFYING RESPIRATORS SHALL NOT BE USED ANY LONGER THAN ONE EIGHT (8) HOUR WORK DAY.

14.09 ANY AUTHORIZED VISITOR, WORKER, OR SUPERVISOR FOUND IN THE WORK AREA NOT WEARING THE REQUIRED RESPIRATORY PROTECTION SHALL BE REMOVED FROM THE PROJECT SITE AND NOT BE PERMITTED TO RETURN.

14.10 THE CONTRACTOR SHALL HAVE AT LEAST TWO (2) POWERED AIR PURIFYING RESPIRATORS STORED ON SITE DESIGNATED FOR AUTHORIZED VISITORS USE. APPROPRIATE RESPIRATOR FILTERS FOR AUTHORIZED VISITORS SHALL BE MADE AVAILABLE BY THE CONTRACTOR.

DELIVERY AND STORAGE

15.01 DELIVER ALL MATERIALS TO THE JOB SITE IN ORIGINAL PACKAGES WITH CONTAINERS BEARING MANUFACTURER'S NAME AND LABEL.

15.02 STORE ALL MATERIALS AT THE JOB SITE IN A SUITABLE AND DESIGNATED AREA.

- A. Store materials subject to deterioration or damage away from wet or damp surfaces and under cover.
- B. Protect materials from unintended contamination and theft.
- C. Storage areas shall be kept clean and organized.

15.03 REMOVE DAMAGED OR DETERIORATED MATERIALS FROM THE JOB SITE. MATERIALS CONTAMINATED WITH ASBESTOS SHALL BE DISPOSED OF AS ASBESTOS DEBRIS AS HEREIN SPECIFIED.

TEMPORARY UTILITIES

16.01 SHUT DOWN AND LOCK OUT ALL ELECTRICAL POWER TO THE ASBESTOS WORK AREAS.

16.02 PROVIDE TEMPORARY 120-240 VOLT, SINGLE PHASE, THREE WIRE, 100 AMP ELECTRIC SERVICE WITH GROUND FAULT CIRCUIT INTERRUPTERS (GFCI) FOR ALL ELECTRIC REQUIREMENTS WITHIN THE ASBESTOS WORK AREA.

- A. Where available, obtain from Owner's existing system. Otherwise provide power from other sources (i.e. generator).
- B. Provide temporary wiring and "weatherproof" receptacles in sufficient quantity and location to serve all HEPA equipment and tools.
- C. Provide wiring and receptacles as required by the Environmental Consultant for air sampling equipment.
- D. All power to the Work Area shall be brought in from outside the area through GFCI's at the source.

16.03 PROVIDE TEMPORARY LIGHTING WITH "WEATHERPROOF" FIXTURES FOR ALL WORK AREAS INCLUDING DECONTAMINATION CHAMBERS.

- A. The entire Work Area shall be kept illuminated at all times.
- B. Provide lighting as required by the Environmental Consultant for the purposes of performing required inspections.

16.04 ALL TEMPORARY DEVICES AND WIRING USED IN THE WORK AREA SHALL BE CAPABLE OF DECONTAMINATION PROCEDURES INCLUDING HEPA VACUUMING AND WET-WIPING.

16.05 UTILIZE DOMESTIC WATER SERVICE, IF AVAILABLE, FROM OWNER'S EXISTING SYSTEM. PROVIDE HOT WATER HEATERS WITH SUFFICIENT CAPACITY TO MEET PROJECT DEMANDS, WHERE APPLICABLE.

PROJECT CONDITIONS

17.01 OWNER WILL OCCUPY PORTIONS OF BUILDING IMMEDIATELY ADJACENT TO ACM DEMOLITION AREA. CONDUCT ACM DEMOLITION SO OWNER'S OPERATIONS WILL NOT BE DISRUPTED.

17.02 CONDITIONS EXISTING AT TIME OF INSPECTION FOR BIDDING PURPOSE WILL BE MAINTAINED BY OWNER AS FAR AS PRACTICAL.

17.03 NOTIFY ARCHITECT OF DISCREPANCIES BETWEEN EXISTING CONDITIONS AND DRAWINGS BEFORE PROCEEDING WITH ACM DEMOLITION.

17.04 UTILITY SERVICE: MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING ACM DEMOLITION OPERATIONS.

A. Maintain fire-protection facilities in service during ACM demolition operations.

17.05 THE WORK PRACTICE OF "WRAP AND CUT" WILL NOT BE PERMITTED AS A SOLE MEASURE OF REMOVAL WITHOUT PROPER CONTAINMENT BARRIERS IN PLACE IN ANY AREAS THAT WILL BE REOCCUPIED AFTER THE ABATEMENT WORK IS COMPLETE.

17.06 CHANGE ORDERS DUE TO VARIANCES: ANY VARIANCE TO REGULATORY REQUIREMENTS SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE REGULATORY AGENCY SHALL BE EXECUTED UPON APPROVAL BY THE OWNER PURSUANT TO REVIEW OF CHANGE IN SCOPE OF WORK AND CHANGE IN CONTRACT COST RESULTING IN CREDIT.

A. Change Orders shall be prepared and issued in accordance with Division 01 Section "Contract Modification Procedures."

B. Variances which include the use of a remote personal decontamination enclosure system for interior abatement will not be permitted when asbestos removal includes friable material other than vinyl asbestos tile or approved glove bag operations.

17.07 RECORDKEEPING: COMPLY WITH REGULATORY REQUIREMENTS.

17.08 PREDEMOLITION CONFERENCE: CONDUCT CONFERENCE AT PROJECT SITE TO COMPLY WITH REQUIREMENTS IN DIVISION 01 SECTION "PROJECT MANAGEMENT AND COORDINATION."

SPECIAL JOB CONDITIONS

18.01 ANY SPECIAL JOB CONDITIONS, INCLUDING VARIANCES OBTAINED BY THE OWNER OR THE CONTRACTOR, SHALL BE ADHERED TO BY THE CONTRACTOR.

18.02 WRAP AND CUT METHOD OF REMOVAL WILL NOT BE PERMITTED ANYWHERE ON THIS PROJECT WITHOUT PRIOR CONSENT. ALL WRAP AND CUT REMOVALS SHALL BE DONE WITHIN AN AREA UNDER FULL CONTAINMENT.

WARRANTY

19.01 EXISTING WARRANTIES: REMOVE, REPLACE, PATCH, AND REPAIR MATERIALS AND SURFACES CUT OR DAMAGED DURING ACM DEMOLITION, BY METHODS AND WITH MATERIALS SO AS NOT TO VOID EXISTING WARRANTIES.

PART 1 PRODUCTS

PROTECTIVE CLOTHING

21.01 PROVIDE PERSONNEL UTILIZED DURING THE PROJECT WITH DISPOSABLE PROTECTIVE WHOLE BODY CLOTHING, HEAD COVERINGS, GLOVES AND FOOT COVERINGS. PROVIDE DISPOSABLE PLASTIC OR RUBBER GLOVES TO PROTECT HANDS. CLOTH GLOVES MAY BE WORN INSIDE THE PLASTIC OR RUBBER FOR COMFORT, BUT SHALL NOT BE USED ALONE. MAKE SLEEVES SECURE AT THE WRISTS AND MAKE FOOT COVERINGS SECURE AT THE ANKLES BY THE USE OF TAPE, OR PROVIDE DISPOSABLE COVERINGS WITH ELASTIC WRISTS OR TOPS.

21.02 PROVIDE SUFFICIENT QUANTITIES OF PROTECTIVE CLOTHING TO ASSURE A MINIMUM OF FOUR (4) COMPLETE DISPOSABLE OUTFITS PER DAY FOR EACH INDIVIDUAL PERFORMING ABATEMENT WORK.

21.03 EYE PROTECTION AND HARD HATS SHALL BE PROVIDED AND MADE AVAILABLE FOR ALL PERSONNEL ENTERING ANY WORK AREA.

21.04 AUTHORIZED VISITORS SHALL BE PROVIDED WITH SUITABLE PROTECTIVE CLOTHING, HEADGEAR, EYE PROTECTION, AND FOOTWEAR WHENEVER THEY ENTER THE WORK AREA.

SIGNS AND LABELS

22.01 PROVIDE WARNING SIGNS AND BARRIER TAPES AT ALL APPROACHES TO ASBESTOS WORK AREAS. LOCATE SIGNS AT SUCH DISTANCE THAT PERSONNEL MAY READ THE SIGN AND TAKE THE NECESSARY PROTECTIVE STEPS REQUIRED BEFORE ENTERING THE AREA.

A. Provide danger signs in vertical format conforming to 29 CFR 1926.1101, minimum 20" x 14" displaying the following legend.

- 1)
- 2) DANGER
- 3) ASBESTOS CANCER AND LUNG DISEASE
- 4) HAZARD
- 5) AUTHORIZED PERSONNEL ONLY
- 6) RESPIRATORS AND PROTECTIVE CLOTHING
- 7) ARE REQUIRED IN THIS AREA
- 8)

B. Provide 3" wide yellow barrier tape printed with black lettered, "DANGER ASBESTOS REMOVAL". Locate barrier tape across all corridors, entrances and access routes to asbestos Work Area. Install tape 3' to 4' AFF.

22.02 PROVIDE ASBESTOS DANGER LABELS AFFIXED TO ALL ASBESTOS MATERIALS, SCRAP, WASTE, DEBRIS AND OTHER PRODUCTS CONTAMINATED WITH ASBESTOS.

A. Provide asbestos danger labels of sufficient size to be clearly legible, displaying the following legend:

- 1)
- 2) DANGER
- 3) CONTAINS ASBESTOS FIBERS
- 4) AVOID CREATING DUST
- 5) CANCER AND LUNG DISEASE HAZARD
- 6)

B. Provide the following asbestos labels, of sufficient size to be clearly legible, for display on waste containers (bags or drums) which will be used to transport asbestos contaminated material in accordance with United States Department of Transportation 49 CFR Parts 171 and 172:

- 1)
- 2) RQ HAZARDOUS
- 3) SUBSTANCE
- 4) SOLID, NOS

- 5) ORM-E, NA 9188
- 6) ASBESTOS
- 7)

C. Generator identification information shall be affixed to each waste container indicating the following printed in indelible ink:

- 1) Generator Name:
- 2) Facility Name:
- 3) Facility Address:

PROJECT LOG BOOK

23.01 PROVIDE A PERMANENTLY BOUND PROJECT LOG BOOK. LOG BOOK SHALL CONTAIN ON TITLE PAGE THE PROJECT NAME, NAME, ADDRESS AND PHONE NUMBER OF OWNER; NAME, ADDRESS AND PHONE NUMBER OF ENVIRONMENTAL CONSULTANT; NAME, ADDRESS AND PHONE NUMBER OF ABATEMENT CONTRACTOR; EMERGENCY NUMBERS INCLUDING, BUT NOT LIMITED TO LOCAL FIRE/RESCUE DEPARTMENT.

23.02 ALL ENTRIES INTO THE LOG SHALL BE MADE IN NON-WASHABLE, PERMANENT INK AND SUCH PEN SHALL BE STRUNG TO OR OTHERWISE ATTACHED TO THE LOG TO PREVENT REMOVAL FROM THE LOG-IN AREA. UNDER NO CIRCUMSTANCES SHALL PENCIL ENTRIES BE PERMITTED.

23.03 ALL PERSONS ENTERING AND EXITING THE WORK AREA SHALL SIGN THE LOG AND INCLUDE NAME, SOCIAL SECURITY NUMBER, AND TIME EACH TIME THEY ENTER THE WORK AREA.

23.04 THE PROJECT SUPERVISOR SHALL DOCUMENT ALL WORK PERFORMED DAILY AND NOTE ALL INSPECTIONS REQUIRED BY NYS INDUSTRIAL CODE RULE 56, I.E. TESTING AND INSPECTION OF BARRIERS AND ENCLOSURES.

SCAFFOLDING AND LADDERS

24.01 PROVIDE ALL SCAFFOLDING AND/OR STAGING AS NECESSARY TO ACCOMPLISH THE WORK OF THIS CONTRACT. SCAFFOLDING MAY BE OF SUSPENSION TYPE OR STANDING TYPE SUCH AS METAL TUBE AND COUPLER, TUBULAR WELDED FRAME, POLE OR OUTRIGGER TYPE OR CANTILEVER TYPE. THE TYPE, ERECTION AND USE OF ALL SCAFFOLDING AND LADDERS SHALL COMPLY WITH ALL APPLICABLE OSHA CONSTRUCTION INDUSTRY STANDARDS.

24.02 PROVIDE SCAFFOLDING AND LADDERS AS REQUIRED BY THE ENVIRONMENTAL CONSULTANT FOR THE PURPOSES OF PERFORMING REQUIRED INSPECTIONS.

SURFACTANT (AMENDED WATER)

25.01 WET ALL ASBESTOS-CONTAINING MATERIALS PRIOR TO REMOVAL WITH SURFACTANT MIXED AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS.

25.02 APPROVED MANUFACTURER:

- A. International Protective Coatings Corp.: Serpiflex Shield
- B. American Coatings Corp.: EPA 55 Asbestos Removal Agent
- C. Certified Technologies: CerTane 2075 Penetrating Surfactant
- D. Contractor may submit equal. Owner's Representative shall have final approval of equals.

ENCAPSULANT

26.01 ENCAPSULANT SHALL BE TINTED OR PIGMENTED SO THAT APPLICATION WHEN DRY IS READILY DISCERNIBLE.

26.02 APPROVED MANUFACTURER:

- A. International Protective Coatings Corp.: Serpiflex Shield

- B. American Coatings Corp.: FNE High Temperature Sealant
- C. Certified Technologies: CerTane 1000 Post Removal Encapsulant
- D. Contractor may submit equal. Owner's Representative shall have final approval of equals.

DISPOSAL BAGS, DRUMS, AND CONTAINERS

27.01 PROVIDE 6 MIL POLYETHYLENE DISPOSAL BAGS PRINTED WITH ASBESTOS CAUTION LABELS. BAGS SHALL ALSO BE IMPRINTED WITH U.S. DEPARTMENT OF TRANSPORTATION REQUIRED MARKINGS.

27.02 PROVIDE 30 OR 55 GALLON CAPACITY FIBER OR METAL DRUMS CAPABLE OF BEING SEALED AIR AND WATER TIGHT IF ASBESTOS WASTE HAS THE POTENTIAL TO DAMAGE OR PUNCTURE DISPOSAL BAGS. AFFIX ASBESTOS CAUTION LABELS ON LIDS AND AT ONE-THIRD POINTS AROUND DRUM CIRCUMFERENCE TO ASSURE READY IDENTIFICATION.

27.03 CONTAINERS AND BAGS MUST BE LABELED WITH THE NAMES OF THE WASTE GENERATOR AND THE LOCATION AT WHICH THE WASTE WAS GENERATED IN ACCORDANCE WITH 40 CFR PART 61 NESHAPS.

27.04 LABELED ACM WASTE CONTAINERS OR BAGS SHALL NOT BE USED FOR NON-ACM WASTE OR TRASH. ANY MATERIAL PLACED IN LABELED CONTAINERS OR BAGS, WHETHER TURNED INSIDE OUT OR NOT SHALL BE HANDLED AND DISPOSED OF AS ACM WASTE.

HEPA VACUUM EQUIPMENT

28.01 ALL DRY VACUUMING PERFORMED UNDER THIS CONTRACT SHALL BE PERFORMED WITH HIGH EFFICIENCY PARTICULATE ABSOLUTE (HEPA) FILTER EQUIPPED INDUSTRIAL VACUUMS CONFORMING TO ANSI Z9.2.

28.02 PROVIDE TOOLS AND SPECIALIZED EQUIPMENT INCLUDING SCRAPING NOZZLES WITH INTEGRAL VACUUM HOODS CONNECTED TO A HEPA VACUUM WITH FLEXIBLE HOSE.

28.03 APPROVED MANUFACTURERS:

- A. Hako Minuteman
- B. Micro-Trap Inc.
- C. Control Resource Systems, Inc.
- D. Contractor may submit equal. Owner's Representative shall have final approval of equals.

POWER TOOLS

29.01 ANY POWER TOOLS USED TO DRILL, CUT INTO, OR OTHERWISE DISTURB ASBESTOS MATERIAL SHALL BE EQUIPPED WITH HEPA FILTERED LOCAL EXHAUST VENTILATION.

POLYETHYLENE SHEETING

30.01 ALL POLYETHYLENE (PLASTIC) SHEETING USED ON THE PROJECT (INCLUDING BUT NOT LIMITED TO SHEETING USED FOR CRITICAL AND ISOLATION BARRIERS, FIXED OBJECTS, WALLS, FLOORS, CEILINGS, WASTE CONTAINER) SHALL BE AT LEAST 6 MIL FIRE RETARDANT SHEETING.

30.02 DECONTAMINATION ENCLOSURE SYSTEMS SHALL UTILIZE AT LEAST 6 MIL OPAQUE FIRE RETARDANT PLASTIC SHEETING. AT LEAST 2 LAYERS OF 6 MIL REINFORCED FIRE RETARDANT PLASTIC SHEETING SHALL BE USED FOR THE FLOORING.

PART 1 EXECUTION

EXAMINATION

32.01 SURVEY EXISTING CONDITIONS AND CORRELATE WITH REQUIREMENTS INDICATED TO DETERMINE EXTENT OF ACM DEMOLITION REQUIRED.

PREPARATION

33.01 SITE ACCESS AND TEMPORARY CONTROLS: CONDUCT ACM DEMOLITION AND REMOVAL OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, WALKWAYS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.

- A. Comply with requirements for access and protection specified in Division 01 Section "Temporary Facilities and Controls."
- B. Comply with Regulatory Requirements for access and protection to work areas.
- C. Cut or drill from the exposed or finished side into concealed surfaces to avoid marring existing finished surfaces.

GENERAL DEMOLITION REQUIREMENTS

34.01 DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY ACM REMOVAL PROCEDURES, TO ACCOMMODATE NEW CONSTRUCTION AND AS INDICATED. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF REGULATORY REQUIREMENTS AND AS FOLLOWS:

- A. Neatly cut openings and holes plumb, square, and true to dimensions required. Use cutting methods least likely to damage existing construction to remain or adjoining construction. Use hand tools or small power tools designed for sawing or grinding, not hammering and chopping, to minimize disturbance of adjacent surfaces. Temporarily cover openings to remain.
- B. Existing Items to Remain: Protect construction indicated to remain against damage and contamination during ACM demolition in accordance with Regulatory Requirements. When permitted by Architect, items deemed uncontaminated by Regulatory Requirements may be removed to a suitable, protected storage location prior to ACM demolition and cleaned and reinstalled in their original locations after ACM demolition operations are complete.

GENERAL REQUIREMENTS FOR ABATEMENT WORK

35.01 SHOULD THE AREA BEYOND THE WORK AREA(S) BECOME CONTAMINATED WITH ASBESTOS CONTAINING MATERIALS OR ELEVATED FIBER LEVELS IMMEDIATELY STOP WORK AND INSTITUTE EMERGENCY PROCEDURES. CONTAMINATED NON-WORK AREAS SHALL BE ISOLATED AND DECONTAMINATED IN ACCORDANCE WITH PROCEDURES ESTABLISHED FOR ASBESTOS REMOVAL. ALL COSTS INCURRED IN DECONTAMINATING SUCH NON-WORK AREAS AND THE CONTENTS THEREOF SHALL BE BORNE BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER.

35.02 MEDICAL APPROVAL, FIT TEST REPORTS, WORKER ACKNOWLEDGMENTS, AND NYS DOL CERTIFICATES SHALL BE ON SITE PRIOR TO ADMITTANCE OF ANY CONTRACTOR'S EMPLOYEES TO THE ASBESTOS WORK AREA.

35.03 PERFORM ALL ASBESTOS REMOVAL WORK USING WET REMOVAL PROCEDURES. MIX AND APPLY SURFACTANT IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. DRY REMOVAL PROCEDURES ARE NOT PERMITTED. SEQUENTIAL ABATEMENT OF MULTIPLE TYPES OF ACM WITHIN A WORK AREA SHALL BE FOLLOWED BY PERFORMING "TOP-DOWN" ABATEMENT: MOST FRIABLE TO LEAST FRIABLE. COMPLETE CLEANING AT CONCLUSION OF EACH ABATEMENT TYPE AND SUBSEQUENT CLEARANCE SAMPLING IS REQUIRED PER AMENDED ICR-56.

35.04 THE FOLLOWING SUBMITTALS, DOCUMENTATION, AND POSTINGS SHALL BE MAINTAINED ON-SITE DURING ABATEMENT ACTIVITIES AT A LOCATION APPROVED BY THE ASBESTOS PROJECT MONITOR:

- A. Contractor license issued by New York State Department of Labor.
- B. Certification, Worker Training, Medical Surveillance, Acknowledgments:
 - 1. New York State Asbestos Handler certification cards for each person employed in the removal, handling, or disturbance of asbestos.
 - 2. Evidence that Workers have received proper training required by the regulations and the medical examinations required by OSHA 29 CFR 1926.1101.

3. Documentation that Workers have been fit tested specifically for respirators used on the Project.
 4. Worker's Acknowledgments: Statements signed by each employee that the employee has received training in the proper handling of asbestos containing materials; understands the health implications and risks involved; and understands the use and limitations of the respiratory equipment to be used.
- C. Daily OSHA personal air monitoring results.
 - D. NYS Department of Health ELAP certification for the laboratory that will be analyzing the OSHA personnel air samples.
 - E. NYS Department of Environmental Conservation Waste Transporter Permit.
 - F. Project documents (specifications and drawings.)
 - G. Notifications and variances (site specific and applicable.) Ensure that the most up-to-date notifications and variances are on-site.
 - H. Applicable regulations.
 - I. Material Safety Data Sheets of supplies/chemicals used on the Project.
 - J. Approved Abatement Work Plan.
 - K. List of emergency telephone numbers.
 - L. Waste Disposal Log
 - M. Project Log Book

35.05 THE WORK AREA MUST BE VACATED BY BUILDING OCCUPANTS PRIOR TO DECONTAMINATION ENCLOSURE CONSTRUCTION AND WORK AREA PREPARATION.

1)

35.06 ALL DEMOLITION NECESSARY TO ACCESS ASBESTOS CONTAINING MATERIALS FOR REMOVAL MUST BE CONDUCTED WITHIN NEGATIVE PRESSURE ENCLOSURES BY LICENSED ASBESTOS HANDLERS. DEMOLITION DEBRIS MAY BE DISPOSED OF AS CONSTRUCTION AND DEMOLITION DEBRIS PROVIDED THE ASBESTOS PROJECT MONITOR DETERMINES THAT IT IS NOT CONTAMINATED WITH ASBESTOS. IF THE DEMOLITION DEBRIS IS DETERMINED TO BE CONTAMINATED, IT MUST BE DISPOSED OF AS ASBESTOS WASTE.

PERSONNEL DECONTAMINATION ENCLOSURE

36.01 PROVIDE A PERSONNEL DECONTAMINATION ENCLOSURE CONTIGUOUS TO THE WORK AREA, WHERE APPLICABLE. THE DECONTAMINATION ENCLOSURE SHALL BE ATTACHED TO THE WORK AREA AND NOT LOCATED WITHIN IT. IF THE DECONTAMINATION CHAMBER IS ACCESSIBLE TO THE PUBLIC IT SHALL BE FULLY FRAMED AND SHEATHED TO PREVENT UNAUTHORIZED ENTRY.

36.02 ACCESS TO THE WORK AREA WILL BE FROM THE CLEAN ROOM THROUGH AN AIR-LOCK TO THE SHOWER, THROUGH AN AIR LOCK TO THE EQUIPMENT ROOM, THROUGH AN AIR LOCK TO THE WORK AREA. EACH AIRLOCK SHALL BE A MINIMUM OF THREE FEET FROM DOOR TO DOOR.

36.03 THE DECONTAMINATION ENCLOSURE CEILING AND WALLS SHALL BE COVERED WITH TWO LAYERS OF OPAQUE 6 MIL POLYETHYLENE SHEETING. TWO LAYERS OF REINFORCED POLYETHYLENE SHEETING SHALL BE USED TO COVER THE FLOOR.

36.04 ESTABLISH A TRIPLE LAYER OF SIX MIL POLYETHYLENE AT THE DECONTAMINATION CHAMBER DOORWAYS, WEIGHTED TO INSURE A TIGHT SEAL OF THE ENCLOSURE. PRIOR TO ESTABLISHING DOORWAY SEALS MOVE ALL REQUIRED TOOLS, SCAFFOLDING, AND EQUIPMENT INTO THE WORK AREA.

- 36.05 THE ENTRANCE TO THE CLEAN ROOM SHALL HAVE A LOCKABLE DOOR. PROVIDE SUITABLE LOCKERS FOR STORAGE OF WORKER'S STREET CLOTHES. STORAGE FOR RESPIRATORS ALONG WITH REPLACEMENT FILTERS AND DISPOSABLE TOWELS SHALL ALSO BE PROVIDED.**
- 36.06 PROVIDE A TEMPORARY SHOWER WITH INDIVIDUAL HOT AND COLD WATER SUPPLIES AND FAUCETS. PROVIDE A SUFFICIENT SUPPLY OF SOAP AND SHAMPOO. THERE SHALL BE ONE SHOWER FOR EVERY SIX WORKERS. THE SHOWER ROOM SHALL BE CONSTRUCTED IN SUCH A WAY SO THAT TRAVEL THROUGH THE SHOWER CHAMBER SHALL BE THROUGH THE SHOWER. THE SHOWER SHALL NOT BE ABLE TO BE BYPASSED.**
- 36.07 SHOWER WATER SHALL BE DRAINED, COLLECTED AND FILTERED THROUGH A SYSTEM WITH AT LEAST A 5.0 MICRON PARTICLE SIZE COLLECTION CAPABILITY CONTAINING A SERIES OF SEVERAL FILTERS WITH PROGRESSIVELY SMALLER PORE SIZES TO AVOID RAPID CLOGGING OF THE SYSTEM. THE FILTERED WASTE WATER SHALL THEN BE DISCHARGED IN ACCORDANCE WITH APPLICABLE CODES AND THE CONTAMINATED FILTERS DISPOSED OF AS ASBESTOS WASTE.**
- 36.08 THE EQUIPMENT ROOM SHALL BE USED FOR THE STORAGE OF TOOLS AND EQUIPMENT. A WALK-OFF PAN FILLED WITH WATER SHALL BE LOCATED IN THE WORK AREA OUTSIDE THE EQUIPMENT ROOM FOR WORKERS TO CLEAN FOOT COVERINGS WHEN LEAVING THE WORK AREA. A LABELED 6 MIL PLASTIC ACM WASTE BAG FOR COLLECTION OF CONTAMINATED CLOTHING SHALL BE LOCATED IN THIS ROOM.**
- 36.09 THE PERSONAL DECONTAMINATION ENCLOSURE SHALL BE CLEANED AND DISINFECTED MINIMALLY AT THE END OF EACH WORK SHIFT AND AS OTHERWISE DIRECTED BY THE ASBESTOS PROJECT MONITOR.**

WASTE DECONTAMINATION ENCLOSURE

- 37.01 PROVIDE A WASTE DECONTAMINATION ENCLOSURE CONTIGUOUS TO THE WORK AREA. THE DECONTAMINATION ENCLOSURE SHALL BE ATTACHED TO THE WORK AREA AND NOT LOCATED WITHIN IT. IF THE DECONTAMINATION CHAMBER IS ACCESSIBLE TO THE PUBLIC IT SHALL BE FULLY FRAMED AND SHEATHED TO PREVENT UNAUTHORIZED ENTRY.**
- 37.02 THE WASTE DECONTAMINATION ENCLOSURE SYSTEM SHALL CONSIST OF A WASHROOM/CLEANUP ROOM WITH AN AIRLOCK TO THE WORK AREA AND ANOTHER AIRLOCK DOORWAY TO THE HOLDING AREA. EACH AIRLOCK SHALL BE A MINIMUM OF THREE FEET FROM DOOR TO DOOR. THE ENTRANCE TO THE HOLDING AREA SHALL HAVE A LOCKABLE DOOR.**
- 37.03 THE DECONTAMINATION ENCLOSURE CEILING AND WALLS SHALL BE COVERED WITH TWO LAYERS OF OPAQUE 6 MIL POLYETHYLENE SHEETING. TWO LAYERS OF REINFORCED POLYETHYLENE SHEETING SHALL BE USED TO COVER THE FLOOR.**
- 37.04 ESTABLISH A TRIPLE LAYER OF SIX MIL POLYETHYLENE AT THE DECONTAMINATION CHAMBER DOORWAYS, WEIGHTED TO INSURE A TIGHT SEAL OF THE ENCLOSURE. PRIOR TO ESTABLISHING DOORWAY SEALS MOVE ALL REQUIRED TOOLS, SCAFFOLDING, AND EQUIPMENT INTO THE WORK AREA.**
- 37.05 WHERE THERE IS ONLY ONE EGRESS FROM THE WORK AREA, THE HOLDING AREA OF THE WASTE DECONTAMINATION ENCLOSURE SYSTEM MAY BRANCH OFF FROM THE PERSONNEL DECONTAMINATION ENCLOSURE EQUIPMENT ROOM, WHICH THEN SERVES AS THE WASTE WASH ROOM.**

37.06 THE WASTE WASH ROOM WATER SHALL BE DRAINED, COLLECTED, AND FILTERED THROUGH A SYSTEM WITH AT LEAST A 5.0 MICRON PARTICLE SIZE COLLECTION CAPABILITY CONTAINING A SERIES OF SEVERAL FILTERS WITH PROGRESSIVELY SMALLER PORE SIZES TO AVOID RAPID CLOGGING OF THE SYSTEM. THE FILTERED WASTE WATER SHALL THEN BE DISCHARGED IN ACCORDANCE WITH APPLICABLE CODES AND THE CONTAMINATED FILTERS DISPOSED OF AS ASBESTOS WASTE.

37.07 IN SMALL ASBESTOS PROJECTS WHERE ONLY ONE EGRESS FROM THE WORK AREA EXISTS, THE SHOWER ROOM MAY BE USED AS A WASTE WASHROOM. IN THIS INSTANCE, THE CLEAN ROOM SHALL NOT BE USED FOR WASTE STORAGE, BUT SHALL BE USED FOR WASTE TRANSFER TO CARTS, WHICH SHALL IMMEDIATELY BE REMOVED FROM THIS ENCLOSURE.

WORK AREA ENTRY AND EXIT PROCEDURES

38.01 ACCESS TO AND FROM THE ASBESTOS WORK AREA IS PERMITTED ONLY THROUGH THE PERSONNEL DECONTAMINATION ENCLOSURE UNLESS OTHERWISE STIPULATED IN A SITE SPECIFIC OR APPLICABLE VARIANCE.

38.02 WORKERS SHALL SIGN THE ENTRY/EXIT LOG UPON EVERY ENTRY AND EXIT.

38.03 THE FOLLOWING PROCEDURES SHALL BE FOLLOWED WHEN ENTERING THE WORK AREA:

- A. Before entering the Work Area, Workers shall proceed to the clean room, remove all street clothes, and don protective clothing, equipment, and respirators.
- B. Workers shall proceed from the clean room through the shower room and the equipment room and into the Work Area.

38.04 THE FOLLOWING PROCEDURES SHALL BE FOLLOWED WHEN EXITING THE WORK AREA:

- A. Before leaving the Work Area, gross asbestos contamination will be removed by brushing, wet cleaning and/or HEPA vacuuming.
- B. In the equipment room, Workers shall remove disposable clothing, but not respirators, and shall place clothing in plastic disposal bags for disposal as contaminated debris prior to entering the shower room.
- C. Workers shall shower thoroughly while wearing respirators then wash respirator with soap and water prior to removal.
- D. Upon exiting the shower, Workers shall don new disposable clothing if the Work shift is to continue or street clothes to exit area. Under no circumstances shall Workers enter public non-Work Areas in disposable protective clothing.

WORK AREA PREPARATION

39.01 ASBESTOS DANGER SIGNS SHALL BE POSTED AT ALL APPROACHES TO THE ASBESTOS WORK AREA. POST ALL EMERGENCY EXITS AS EMERGENCY EXITS ONLY ON THE WORK AREA SIDE, POST WITH ASBESTOS CAUTION SIGNS ON THE NON-WORK AREA SIDE. PROVIDE ALL NON-WORK AREA STAIRS AND CORRIDORS ACCESSIBLE TO THE ASBESTOS WORK AREA WITH WARNING TAPES AT THE BASE OF STAIRS AND BEGINNING OF CORRIDORS. WARNING TAPES SHALL BE IN ADDITION TO CAUTION SIGNS.

39.02 SHUT DOWN AND LOCK OUT THE BUILDING HEATING, VENTILATING, AND AIR CONDITIONING AND ELECTRICAL SYSTEMS. PROVIDE TEMPORARY ELECTRIC POWER AND LIGHTING AS SPECIFIED HEREIN.

39.03 ALL SURFACES AND OBJECTS WITHIN THE WORK AREA SHALL BE PRE-CLEANED USING HEPA VACUUMING AND/OR WET-WIPING METHODS. DRY SWEEPING AND ANY OTHER METHODS THAT RAISE DUST ARE PROHIBITED. ACM SHALL NOT BE DISTURBED DURING PRE-CLEANING.

- 39.04 MOVABLE OBJECTS WITHIN THE WORK AREA SHALL BE HEPA VACUUMED AND/OR WET-WIPED AND REMOVED FROM THE WORK AREA.**
- 39.05 ALL NON-MOVABLE EQUIPMENT IN THE WORK AREA SHALL BE COMPLETELY COVERED WITH 2 LAYERS OF POLYETHYLENE SHEETING, AT LEAST 6 MIL IN THICKNESS, AND SECURED IN PLACE WITH DUCT TAPE AND/OR SPRAY ADHESIVE.**
- 39.06 PROVIDE ENCLOSURE OF THE ASBESTOS WORK AREA NECESSARY TO ISOLATE IT FROM UNSEALED AREAS OF THE BUILDING IN ACCORDANCE WITH THE APPROVED ASBESTOS WORK PLAN AND AS SPECIFIED HEREIN.**
- 39.07 SEAL OFF ALL OPENINGS INCLUDING BUT NOT LIMITED TO WINDOWS, DIFFUSERS, GRILLS, ELECTRICAL OUTLETS AND BOXES, DOORS, FLOOR DRAINS, AND ANY OTHER PENETRATIONS OF THE WORK AREA ENCLOSURE, USING 2 LAYERS OF AT LEAST 6 MIL POLYETHYLENE SHEETING TO FORM A CRITICAL BARRIER.**
- 39.08 PROVIDE TEMPORARY FRAMING AND SHEATHING AT OPENINGS LARGER THAN 32 SQUARE FEET FORMING THE LIMITS OF THE ASBESTOS WORK AREA. SHEATHING THICKNESS MUST BE A MINIMUM OF 3/8 INCH AND ALL SHEATHING SHALL BE CAULKED AND THE WORK AREA SIDE SEALED WITH TWO LAYERS OF 6 MIL POLYETHYLENE SHEETING TO FORM AN ISOLATION BARRIER.**
- 39.09 ISOLATION BARRIERS SHALL BE INSTALLED AT ALL ELEVATOR OPENINGS IN THE WORK AREA. ELEVATOR CONTROLS SHALL BE MODIFIED SO THAT ELEVATORS BYPASS THE WORK AREA.**
- 39.10 PROVIDE TWO LAYERS OF 6 MIL POLYETHYLENE SHEETING OVER ALL FLOOR, WALL, AND CEILING SURFACES. ISOLATION BARRIERS SHALL ALSO BE COVERED WITH TWO LAYERS (FOR A TOTAL OF FOUR LAYERS). SHEETING SHALL BE SECURED WITH SPRAY ADHESIVE AND THEN SEALED WITH DUCT TAPE. ALL JOINTS IN POLYETHYLENE SHEETING SHALL OVERLAP 12" MINIMUM.**
- 39.11 UNLESS OTHERWISE SPECIFIED FOR REMOVAL, THE CONTRACTOR SHALL EITHER PROTECT ALL FIBERGLASS INSULATION ON PIPING, DUCTWORK, TANKS, ETC. IN THE WORK AREA USING TWO LAYERS OF SIX MIL POLYETHYLENE OR REMOVE THE INSULATION AS ASBESTOS CONTAINING WASTE. IF THE CONTRACTOR ELECTS TO REMOVE THE FIBERGLASS INSULATION, HE SHALL BE RESPONSIBLE FOR REINSULATION IF REINSULATION OF REMOVED ACM IS PART OF THE CONTRACT OR PROJECT.**
- 39.12 FRAME OUT EMERGENCY EXITS. PROVIDE DOUBLE LAYER 6 MIL POLYETHYLENE SHEETING AND TAPE SEAL OPENING. POST AS EMERGENCY EXITS ONLY. WITHIN THE WORK AREA, MARK THE LOCATIONS AND DIRECTIONS OF EMERGENCY EXITS THROUGHOUT THE WORK AREA USING EXIT SIGNS AND/OR DUCT TAPE.**
- 39.13 REMOVE ALL ITEMS ATTACHED TO OR IN CONTACT WITH ACM ONLY AFTER THE WORK AREA ENCLOSURE IS IN PLACE. HEPA VACUUM AND WET WIPE WITH AMENDED WATER ALL REMOVED ITEMS PRIOR TO THEIR REMOVAL FROM THE WORK AREA AND BEFORE THE START OF ASBESTOS REMOVAL OPERATIONS.**
- 39.14 SUSPENDED CEILING TILES SHALL ONLY BE REMOVED AFTER WORK AREA PREPARATION IS COMPLETE. NON-CONTAMINATED CEILING TILES SHALL BE HEPA VACUUMED AND REMOVED FROM THE WORK AREA BEFORE ASBESTOS REMOVALS BEGIN. CONTAMINATED CEILING TILES SHALL BE DISPOSED OF AS ASBESTOS WASTE.**
- NEGATIVE AIR PRESSURE FILTRATION SYSTEM**
- 40.01 PROVIDE A PORTABLE ASBESTOS FILTRATION SYSTEM THAT DEVELOPS A MINIMUM PRESSURE DIFFERENTIAL OF NEGATIVE 0.02 IN. OF WATER COLUMN WITHIN ALL FULL ENCLOSURE AREAS RELATIVE TO ADJACENT UNSEALED AREAS AND THAT PROVIDES A MINIMUM OF 4 AIR CHANGES PER HOUR IN THE WORK AREA DURING ABATEMENT, WHERE APPLICABLE.**

- 40.02 SUCH FILTRATION SYSTEMS MUST BE OPERATED 24 HOURS PER DAY DURING THE ENTIRE PROJECT UNTIL THE FINAL CLEANUP IS COMPLETED AND SATISFACTORY RESULTS OF THE FINAL AIR SAMPLES ARE RECEIVED FROM THE LABORATORY.**
- 40.03 THE SYSTEM SHALL INCLUDE A SERIES OF PRE-FILTERS AND FILTERS TO PROVIDE HIGH EFFICIENCY PARTICULATE AIR (HEPA) FILTRATION OF PARTICLES DOWN TO 0.3 MICRONS AT 100% EFFICIENCY AND BELOW 0.3 MICRONS AT 99.9% EFFICIENCY. PROVIDE SUFFICIENT REPLACEMENT FILTERS TO REPLACE PRE-FILTERS EVERY 2 HOURS, SECONDARY PRE-FILTERS EVERY 24 HOURS, AND PRIMARY HEPA FILTERS EVERY 600 HOURS OF OPERATION.**
- 40.04 A MINIMUM OF ONE ADDITIONAL FILTRATION UNIT OF AT LEAST THE SAME CAPACITY AS THE PRIMARY UNIT(S) SHALL BE INSTALLED AND FULLY FUNCTIONAL TO BE USED DURING PRIMARY UNIT (S) FILTER CHANGING AND IN CASE OF PRIMARY FAILURE. THERE SHALL BE AT LEAST ONE BACK-UP UNIT FOR EVERY FIVE PRIMARY UNITS.**
- 40.05 AT NO TIME WILL THE UNIT EXHAUST INDOORS, WITHIN 50 FEET OF A RECEPTOR, INCLUDING BUT NOT LIMITED TO WINDOWS AND DOORS, OR ADVERSELY AFFECT THE AIR INTAKE OF THE BUILDING.**
- 40.06 UPON ELECTRIC POWER FAILURE OR SHUT-DOWN OF ANY FILTRATION UNIT, ALL ABATEMENT ACTIVITIES SHALL STOP IMMEDIATELY AND ONLY RESUME AFTER POWER IS RESTORED AND ALL FILTRATION UNITS ARE FULLY OPERATING. FOR SHUT-DOWNS LONGER THAN ONE HOUR, ALL OPENINGS INTO THE WORK AREA, INCLUDING THE DECONTAMINATION ENCLOSURES, SHALL BE SEALED.**
- 40.07 DURING FINAL AIR CLEARANCE SAMPLING, NEGATIVE AIR FILTRATION SHALL BE REDUCED TO HALF THE REQUIRED AIR CHANGES PER HOUR.**
- 40.08 THE CONTRACTOR SHALL PROVIDE EITHER A MANOMETER OR A PHOTOHELIC STYLE NEGATIVE AIR PRESSURE GAUGE WITH CHART RECORDER TO MEASURE AND RECORD NEGATIVE PRESSURE DIFFERENTIAL ACROSS THE WORK AREA BARRIERS WITHOUT INTERRUPTION 24 HOURS PER DAY AS DIRECTED BY THE ENVIRONMENTAL CONSULTANT.**
- 40.09 THERE SHALL BE AT LEAST A 12 HOUR SETTLING PERIOD AFTER THE WORK AREA IS FULLY PREPARED AND THE NEGATIVE FILTRATION UNITS HAVE BEEN STARTED TO ENSURE INTEGRITY OF THE BARRIERS.**

REMOVAL OF ASBESTOS CONTAINING MATERIALS

- 41.01 ASBESTOS-CONTAINING MATERIALS SHALL BE REMOVED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE APPROVED ASBESTOS WORK PLAN.**
- 41.02 SUFFICIENTLY WET ASBESTOS MATERIALS WITH A LOW PRESSURE, AIRLESS FINE SPRAY OF SURFACTANT TO ENSURE FULL PENETRATION PRIOR TO MATERIAL REMOVAL. RE-WET MATERIAL THAT DOES NOT DISPLAY EVIDENCE OF SATURATION.**
- 41.03 ONE WORKER SHALL CONTINUOUSLY APPLY AMENDED WATER WHILE ACM IS BEING REMOVED.**
- 41.04 PERFORM CUTTING, DRILLING, ABRADING, OR ANY PENETRATION OR DISTURBANCE OF ASBESTOS CONTAINING MATERIAL IN A MANNER TO MINIMIZE THE DISPERSAL OF ASBESTOS FIBERS INTO THE AIR. USE EQUIPMENT AND METHODS SPECIFICALLY DESIGNED TO LIMIT GENERATION OF AIRBORNE ASBESTOS PARTICLES. ALL POWER OPERATED TOOLS USED SHALL BE PROVIDED WITH HEPA EQUIPPED FILTERED LOCAL EXHAUST VENTILATION.**
- 41.05 UPON REMOVAL OF ACM FROM THE SUBSTRATE, THE NEWLY EXPOSED SURFACES SHALL BE HEPA VACUUMED AND/OR WET CLEANED. SURFACES MUST BE THOROUGHLY CLEANED USING NECESSARY METHODS AND ANY REQUIRED SOLVENTS TO COMPLETELY REMOVE ANY ADHESIVE, MASTIC, ETC.**

- 41.06 ALL REMOVED MATERIAL SHALL BE PLACED INTO 6 MIL PLASTIC DISPOSAL BAGS OR OTHER SUITABLE CONTAINER UPON DETACHMENT FROM THE SUBSTRATE OR WHENEVER THERE IS ENOUGH ACCUMULATION TO FILL A SINGLE BAG OR CONTAINER. MAINTAIN THE SURFACES OF THE WORK AREA FREE OF ACCUMULATION OF ASBESTOS DEBRIS.**
- 41.07 DUST-TIGHT ENCLOSED INCLINED CHUTES SHALL BE USED FOR MATERIALS DROPPED FROM DISTANCES GREATER THAN 10 FT.**
- 41.08 LARGE COMPONENTS SHALL BE WRAPPED IN TWO LAYERS OF 6 MIL POLYETHYLENE SHEETING. SHARP COMPONENTS LIKELY TO TEAR DISPOSAL BAGS SHALL BE PLACED IN FIBER DRUMS OR BOXES AND THEN WRAPPED WITH SHEETING.**
- 41.09 POWER OR PRESSURE WASHERS ARE NOT PERMITTED FOR ASBESTOS REMOVAL OR CLEAN-UP PROCEDURES.**
- 41.10 ALL OPEN ENDS OF PIPE AND DUCT INSULATION NOT SCHEDULED FOR REMOVAL SHALL BE ENCAPSULATED USING LAG CLOTH.**
- 41.11 ALL CONSTRUCTION AND DEMOLITION DEBRIS DETERMINED BY THE ENVIRONMENTAL CONSULTANT TO BE CONTAMINATED WITH ASBESTOS SHALL BE HANDLED AND DISPOSED OF AS ASBESTOS WASTE.**
- 41.12 THE USE OF METAL SHOVELS, METAL DUST PANS, ETC. ARE NOT PERMITTED INSIDE THE WORK AREA.**
- EQUIPMENT AND WASTE CONTAINER DECONTAMINATION AND REMOVAL PROCEDURES**
- 42.01 EXTERNAL SURFACES OF CONTAMINATED CONTAINERS AND EQUIPMENT SHALL BE CLEANED BY WET CLEANING AND/OR HEPA VACUUMING IN THE WORK AREA BEFORE MOVING SUCH ITEMS INTO THE WASTE DECONTAMINATION ENCLOSURE SYSTEM AIRLOCK BY PERSONS ASSIGNED TO THIS DUTY. THE WORK AREA PERSONS SHALL NOT ENTER THE AIRLOCK.**
- 42.02 THE CONTAINERS AND EQUIPMENT SHALL BE REMOVED FROM THE AIRLOCK BY PERSONS STATIONED IN THE WASHROOM DURING WASTE REMOVAL OPERATIONS. THE EXTERNAL SURFACES OF CONTAINERS AND EQUIPMENT SHALL BE CLEANED A SECOND TIME BY WET CLEANING.**
- 42.03 THE CLEANED CONTAINERS OF ASBESTOS MATERIAL AND EQUIPMENT ARE TO BE DRIED OF ANY EXCESSIVE POOLED OR BEADED LIQUID, PLACED IN UNCONTAMINATED PLASTIC BAGS OR SHEETING, AS THE ITEM'S PHYSICAL CHARACTERISTICS DEMAND, AND SEALED AIRTIGHT.**
- 42.04 THE CLEAN RE-CONTAINERIZED ITEMS SHALL BE MOVED INTO THE AIRLOCK THAT LEADS TO THE HOLDING AREA. WORKERS IN THE WASHROOM SHALL NOT ENTER THIS AIRLOCK OR THE WORK AREA UNTIL WASTE REMOVAL IS FINISHED FOR THAT PERIOD.**
- 42.05 CONTAINERS AND EQUIPMENT SHALL BE MOVED FROM THE AIRLOCK AND INTO THE HOLDING AREA BY PERSONS DRESSED IN CLEAN PERSONAL PROTECTIVE EQUIPMENT, WHO HAVE ENTERED FROM UNCONTAMINATED AREAS.**
- 42.06 THE CLEANED CONTAINERS OF ASBESTOS MATERIAL AND EQUIPMENT SHALL BE PLACED IN WATER TIGHT CARTS WITH DOORS OR TOPS THAT SHALL BE CLOSED AND SECURED. THESE CARTS SHALL BE HELD IN THE HOLDING AREA PENDING REMOVAL. THE CARTS SHALL BE WET CLEANED AND/OR HEPA VACUUMED AT LEAST ONCE EACH DAY.**
- 42.07 THE EXIT FROM THE DECONTAMINATION ENCLOSURE SYSTEM SHALL BE SECURED TO PREVENT UNAUTHORIZED ENTRY.**

42.08 WHERE THE WASTE REMOVAL ENCLOSURE IS PART OF THE PERSONNEL DECONTAMINATION ENCLOSURE, WASTE REMOVAL SHALL NOT OCCUR DURING SHIFT CHANGES OR WHEN OTHERWISE OCCUPIED. PRECAUTIONS SHALL BE TAKEN TO PREVENT SHORT CIRCUITING AND CYCLING OF AIR OUTWARD THROUGH THE SHOWER AND CLEAN ROOM.

APPLICATION OF ENCAPSULANT

43.01 FOLLOWING FIRST CLEANING AND PRIOR TO FIRST SHEETING REMOVAL, AND ONCE WORK AREA HAS BEEN RENDERED FREE OF VISIBLE RESIDUES; A THIN COAT OF ENCAPSULANT SHALL BE APPLIED TO ANY SURFACES IN THE WORK AREA WHICH WERE NOT THE SUBJECT OF REMOVAL.

43.02 IN NO EVENT SHALL ENCAPSULANT BE APPLIED TO ANY SURFACE THAT WAS THE SUBJECT OF REMOVAL PRIOR TO OBTAINING SATISFACTORY AIR MONITORING RESULTS.

43.03 ENCAPSULANTS SHALL BE PIGMENTED OR TINTED TO PROVIDE AN INDICATION FOR COMPLETENESS OF COVERAGE. THE ASBESTOS PROJECT MONITOR SHALL DETERMINE ADEQUACY OF COVERAGE.

WORK AREA DECONTAMINATION

44.01 FOLLOWING COMPLETION OF GROSS ABATEMENT AND AFTER ALL ACCUMULATIONS OF ASBESTOS WASTE MATERIALS HAVE BEEN CONTAINERIZED, THE FOLLOWING DECONTAMINATION PROCEDURES SHALL BE FOLLOWED UNLESS MODIFIED BY A SITE SPECIFIC VARIANCE.

44.02 FIRST CLEANING:

- A. All bagged asbestos waste and unnecessary equipment shall be decontaminated and removed from the Work Area.
- B. All surfaces in the Work Area shall be wet cleaned. A wet-purpose shop vacuum may be used to pick up excess liquid, and may either be decontaminated prior to removal from the Work Area or disposed of as asbestos waste.
- C. The Asbestos Project Monitor shall conduct a visual inspection of the Work Area for cleanliness and completion of abatement.
- D. The Contractor shall then apply a thin coat of encapsulant to all surfaces in the Work Area that were not the subject of removal. In no event shall encapsulant be applied to any surface that was the subject of removal prior to obtaining satisfactory air monitoring results.
- E. After the encapsulant has dried, the first layer of polyethylene sheeting shall then be removed and bagged, and the Work Area shall be vacated for a minimum of 12 hours.

44.03 SECOND CLEANING

- A. All surfaces in the Work Area shall be HEPA vacuumed and/or wet cleaned.
- B. The Asbestos Project Monitor shall conduct a second visual inspection of the Work Area for cleanliness.
- C. The second layer of polyethylene sheeting shall be removed and bagged and the Work Area shall be vacated for a minimum of 12 hours.

44.04 THIRD CLEANING

- A. All surfaces in the Work Area shall be HEPA vacuumed and/or wet cleaned.
- B. The Asbestos Project Monitor shall conduct a third visual inspection of the Work Area for cleanliness.
- C. The Work Area shall be vacated for a minimum of 12 hours regardless of the cleaning method (HEPA vacuuming or wet cleaning) utilized.
- D. Aggressive final clearance air sampling shall then be conducted by the Environmental Consultant.

- E. Upon receipt of satisfactory final clearance air sampling results, the negative air pressure equipment can then be shut down and decontamination areas and isolation and critical barriers removed.

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44.05 AFTER ISOLATION AND CRITICAL BARRIERS ARE REMOVED, THE ASBESTOS PROJECT MONITOR SHALL INSPECT THE WORK AREA FOR CLEANLINESS. IF NECESSARY, ADDITIONAL CLEANING SHALL BE PERFORMED BY THE CONTRACTOR AS DIRECTED BY THE ASBESTOS PROJECT MONITOR.

44.06 AS A RESULT OF ANY VISUAL INSPECTION BY THE ASBESTOS PROJECT MONITOR OR SHOULD AIR SAMPLING RESULTS INDICATE HIGH FIBER LEVELS; THE CONTRACTOR WILL CLEAN OR RE-CLEAN THE AFFECTED AREAS AT NO ADDITIONAL EXPENSE TO THE OWNER.

TENT ENCLOSURES

45.01 TENT ENCLOSURES MAY ONLY BE USED IN AREAS SPECIFICALLY PERMITTED BY NYS DEPARTMENT OF LABOR CODE RULE 56 OR A PROJECT SPECIFIC VARIANCE ISSUED BY THE NYS DEPARTMENT OF LABOR.

45.02 THE CONTRACTOR SHALL RESTRICT ACCESS TO THE IMMEDIATE AREA WHERE TENT REMOVAL PROCEDURES ARE TAKING PLACE USING BARRIER TAPE AND/OR CONSTRUCTION BARRIERS. CAUTION SIGNS SHALL BE POSTED.

45.03 REMOTE PERSONNEL AND WASTE DECONTAMINATION ENCLOSURES SHALL BE CONSTRUCTED. CONFIGURATION SHALL BE AS REQUIRED BY PROJECT SIZE.

45.04 THE WORK AREA SHALL BE PRE-CLEANED. ALL OBJECTS AND EQUIPMENT THAT WILL REMAIN IN THE RESTRICTED AREA DURING ABATEMENT SHALL BE SEALED WITH TWO LAYERS OF SIX MIL POLYETHYLENE AND TAPE.

45.05 THE TENT SHALL BE A SINGLE USE BARRIER CONSTRUCTED WITH A RIGID FRAME AND AT LEAST TWO LAYERS OF SIX MIL POLYETHYLENE UNLESS ONE LAYER OF SIX MIL POLYETHYLENE IS OTHERWISE PERMITTED BY A SITE SPECIFIC VARIANCE. ALL SEAMS SHALL BE SEALED AIRTIGHT USING DUCT TAPE AND/OR SPRAY ADHESIVE.

45.06 THE TENT SHALL BE CONSTRUCTED WITH AT LEAST ONE AIRLOCK FOR WORKER/WASTE EGRESS.

45.07 DURING REMOVALS, A HEPA VACUUM OR SMALL CAPACITY NEGATIVE PRESSURE FILTRATION UNIT SHALL BE USED TO PROVIDE A NEGATIVE AIR PRESSURE INSIDE THE TENT.

45.08 WORKERS SHALL WEAR TWO DISPOSABLE SUITS FOR ALL PHASES OF WORK. WORKERS EXITING THE TENT SHALL HEPA VACUUM THE OUTER SUIT, ENTER THE AIRLOCK, REMOVE THE OUTER SUIT AND THEN PLACE IT BACK INTO THE WORK AREA. A CLEAN SECOND SUIT SHALL BE DONNED BEFORE EXITING THE AIRLOCK AND PROCEEDING TO THE DECONTAMINATION ENCLOSURE OR ANOTHER WORK AREA.

45.09 OSHA COMPLIANCE AIR MONITORING IS REQUIRED PER SECTION 1.09.

45.10 ACM REMOVAL SHALL FOLLOW PROCEDURES DEFINED IN SECTION 3.07.

45.11 WASTE MATERIAL SHALL BE PLACED IN PROPERLY LABELED 6 MIL PLASTIC BAGS OR OTHER APPROPRIATE CONTAINERS. THE OUTSIDE OF THE BAGS OR CONTAINERS SHALL BE WET WIPED AND/OR HEPA VACUUMED BEFORE BEING PASSED INTO THE AIRLOCK FOR DOUBLE- BAGGING. THE BAGS OR CONTAINERS SHALL THEN BE TRANSPORTED TO THE DECONTAMINATION ENCLOSURE AND THEN BAGGED FOR A THIRD TIME AND TRANSPORTED TO THE WASTE STORAGE CONTAINER. ALL TRANSPORTATION OF WASTE BAGS AND CONTAINERS OUTSIDE THE WORK AREA SHALL BE IN WATERTIGHT CARTS.

45.12 FOLLOWING COMPLETION OF GROSS ABATEMENT AND AFTER ALL ACCUMULATIONS OF ASBESTOS WASTE MATERIALS HAVE BEEN CONTAINERIZED, THE FOLLOWING DECONTAMINATION PROCEDURES SHALL BE FOLLOWED.

- A. All bagged asbestos waste and unnecessary equipment shall be decontaminated and removed from the Work Area.
- B. All surfaces in the Work Area shall be wet cleaned. A wet-purpose shop vacuum may be used to pick up excess liquid, and shall be decontaminated prior to removal from the Work Area.
- C. The Asbestos Project Monitor shall conduct a visual inspection of the Work Area for cleanliness and completion of abatement.
- D. The Contractor shall then apply a thin coat of encapsulant to all surfaces in the Work Area that were not the subject of removal. In no event shall encapsulant be applied to any surface that was the subject of removal prior to obtaining satisfactory air monitoring results.
- E. After the encapsulant has dried, aggressive final clearance air sampling shall then be conducted by the Environmental Consultant.
- F. Upon receipt of satisfactory final clearance air sampling results, the tent shall be collapsed into itself, placed in suitable disposal bags, and transported to the waste decontamination enclosure. Isolation and critical barriers shall then be removed.

GLOVEBAG REMOVAL

46.01 GLOVEBAG REMOVALS MAY ONLY BE USED AS SPECIFICALLY PERMITTED BY NYS DEPARTMENT OF LABOR CODE RULE 56 OR A PROJECT SPECIFIC VARIANCE ISSUED BY THE NYS DEPARTMENT OF LABOR. GLOVEBAGS MAY ONLY BE USED ON PIPING.

46.02 IN ADDITION TO CONFORMANCE WITH APPLICABLE REGULATIONS AND VARIANCES, GLOVEBAG REMOVALS ARE ONLY PERMITTED TO BE CONDUCTED WITHIN TENT ENCLOSURES COMPLYING WITH THESE SPECIFICATIONS. REMOVAL AND DISPOSALS MUST ALSO BE CONDUCTED IN CONFORMANCE WITH ALL PROJECT VARIANCE CONDITIONS.

46.03 THE CONTRACTOR SHALL RESTRICT ACCESS TO THE IMMEDIATE AREA WHERE TENT/GLOVEBAG REMOVAL PROCEDURES ARE TAKING PLACE USING BARRIER TAPE AND/OR CONSTRUCTION BARRIERS. CAUTION SIGNS SHALL BE POSTED.

46.04 REMOTE PERSONNEL AND WASTE DECONTAMINATION ENCLOSURES SHALL BE CONSTRUCTED. CONFIGURATION SHALL BE AS REQUIRED BY PROJECT SIZE.

46.05 THE WORK AREA SHALL BE PRE-CLEANED. ALL OBJECTS AND EQUIPMENT WHICH WILL REMAIN IN THE RESTRICTED AREA DURING ABATEMENT SHALL BE SEALED WITH TWO LAYERS OF SIX MIL POLYETHYLENE AND TAPE.

46.06 GLOVEBAG REMOVALS SHALL UTILIZE COMMERCIALY AVAILABLE GLOVEBAGS OF AT LEAST SIX MIL THICKNESS. USE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND THE FOLLOWING MINIMUM REQUIREMENTS:

- A. The sides of the glovebag shall be cut to fit the size pipe being removed. Tools shall be inserted into the attached tool pocket.
- B. The glovebag shall be placed around the pipe and the open edges shall be folded and sealed with staples and duct tape. The glovebag shall also be sealed at the pipe to form a tight seal.
- C. Openings shall be made in the glovebag for the wetting tube and HEPA vacuum hose. The opening shall be sealed to form a tight seal.
- D. All glovebags shall be smoke tested by the Asbestos Project Monitor before removal operations commence. Glovebags that do not pass the smoke test shall be resealed and then retested.
- E. After first wetting the materials to be removed, removal may commence ACM shall be continuously wetted. After removal of the ACM, the piping shall be scrubbed or brushed so that no visible ACM remains. Open ends of pipe insulation shall be encapsulated.

- F. After the piping is cleaned, the inside of the glovebag shall be washed down and the wetting tube removed. Using the HEPA vacuum, the glovebag shall be collapsed and then twisted and sealed with tape with the ACM at the bottom of the bag.
- G. A disposal bag shall be placed around the glovebag that is then detached from the pipe. The disposal bag is then sealed and transported to the decontamination enclosure.

46.07 AFTER GLOVEBAG REMOVALS ARE COMPLETE, TENT DECONTAMINATION PROCEDURES SHALL BE FOLLOWED.

DEMOLITION PROCEDURES FOR SPECIFIC MATERIALS

47.01 RESILIENT FLOOR COVERINGS: REMOVE FLOOR COVERINGS AND ADHESIVE ACCORDING TO REGULATORY REQUIREMENTS AND RECOMMENDATIONS IN RFCI-WP AND ITS ADDENDUM.

47.02 CONTRACTOR OPTION: USE ONE OF THE TWO REMOVAL METHODS BELOW.

- A. Under Abatement Controls Remove Residual Adhesive with solvents.
- B. After Air Clearance is achieved Scour entire area using process to removal traces of solvent. Process to include the following process and products.
 - 1. Additional Adhesive remover: Remove adhesive according to manufacturer's instructions using Mapei Planiprep AR Adhesive Remover.
 - 2. Concrete Scouring: Scour concrete according to manufacturer's instructions using Mapei Planiprep SA Concrete Scouring Agent
 - 3. Subfloor Treatment: Apply. according to manufacturer's instructions using Mapei Planiprep ET Epoxy Concert Subfloor treatment
 - 4.
- C. Remove residual adhesive by mechanical means (bead blast) and prepare substrate for new floor coverings by one of the methods recommended by RFCI and in accordance with Regulatory Requirements.
 - 1. No Solvent based mastic strippers are to be used.

ROOF REMOVALS

48.01 ROOFING: REMOVE NO MORE EXISTING ROOFING THAN CAN BE COVERED IN ONE DAY BY NEW ROOFING AND SO THAT BUILDING INTERIOR REMAINS WATERTIGHT AND WEATHERTIGHT. REFER TO DIVISION 07 SECTIONS FOR NEW ROOFING REQUIREMENTS.

48.02 EXCEPT AS MODIFIED BY THIS SECTION, REMOVAL OF BUILT UP ROOFING, ROOF FLASHINGS AND FLASHING CEMENT SHALL CONFORM TO ALL PROVISIONS OF THIS SPECIFICATION.

48.03 UNLESS PROJECT SPECIFIC VARIANCES HAVE BEEN OTHERWISE OBTAINED, ROOFING REMOVALS SHALL BE CONDUCTED IN ACCORDANCE WITH THE PROVISIONS OF NYS DOL ICR-56.

48.04 THE WORK AREA SHALL BE THE ROOF AREA FROM WHICH ACM MATERIALS ARE BEING REMOVED AND SHALL EXTEND 25 FEET FROM THE PERIMETER OF THE REMOVAL AREA.

48.05 NON-CERTIFIED WORKERS ARE NOT ALLOWED IN THE WORK AREA UNTIL THE WORK AREA IS CLEARED BY THE ASBESTOS PROJECT MONITOR.

48.06 REMOTE PERSONNEL AND WASTE DECONTAMINATION ENCLOSURES SHALL BE CONSTRUCTED AT A LOCATION IN ACCORDANCE WITH THE APPROVED WORK PLAN. UNLESS LOCATED OUTSIDE THE WORK AREA, DECONTAMINATION ENCLOSURES ARE NOT PERMITTED TO BE CONSTRUCTED ON THE ROOF. DECONTAMINATION ENCLOSURES SHALL BE STATIONARY AND LOCATED WITHIN 50 FEET OF THE BUILDING.

48.07 ALL OPENINGS (INCLUDING BUT NOT LIMITED TO WINDOWS, DOORS, HATCHES, VENTS, DUCTS, AND GRILLES) ON THE ROOF LEVEL AND THE FLOOR BELOW SHALL BE SEALED WITH TWO LAYERS OF SIX MIL POLYETHYLENE. ALTERNATELY, A POLYETHYLENE DRAPE MAY BE USED INSTEAD OF SEALING WINDOWS INDIVIDUALLY.

48.08 THE REMOVAL OF THE ACM MAY REQUIRE THE USE OF SCRAPERS, SOLVENTS, MASTIC REMOVAL CHEMICALS, OR OTHER METHODS/PROCEDURES TO ENSURE COMPLETE REMOVAL.

48.09 THE CONTRACTOR IS REQUIRED TO PROVIDE TEMPORARY PROTECTION OF THE ROOF AT THE END OF EACH WORK SHIFT SO AS TO MAINTAIN THE ROOF IN A WATERTIGHT CONDITION.

48.10 DUMPSTERS USED FOR WASTE STORAGE SHALL BE LINED WITH TWO LAYERS OF SIX MIL POLYETHYLENE AND SHALL HAVE A HARD TOP. WHERE OPEN-TOP DUMPSTERS ARE PERMITTED, THE TOP SHALL BE CLOSED WITH POLYETHYLENE FLAPS THAT ARE SEALED AT THE END OF EACH WORK SHIFT.

48.11 PERSONAL PROTECTIVE EQUIPMENT, INCLUDING RESPIRATORS, SHALL BE UTILIZED AND WORN DURING ALL REMOVAL OPERATIONS UNTIL THE WORK AREA IS CLEARED BY THE ASBESTOS PROJECT MONITOR.

48.12 THE OWNER MAY, AT HIS DISCRETION, CHOOSE TO CONDUCT AIR SAMPLING. IF AIR SAMPLES COLLECTED DURING ABATEMENT INDICATE ANY AIRBORNE ASBESTOS FIBER CONCENTRATION(S) AT OR ABOVE 0.01 F/CC, WORK SHALL BE STOPPED IMMEDIATELY AND WORK METHODS SHALL BE ALTERED TO REDUCE THE AIRBORNE ASBESTOS FIBER CONCENTRATION(S).

RESTORATION OF UTILITIES, FIRESTOPPING, AND FINISHES

49.01 AFTER FINAL CLEARANCE REMOVE LOCKS AND RESTORE ELECTRICAL AND HVAC SYSTEMS. ALL TEMPORARY POWER SHALL BE DISCONNECTED, POWER LOCKOUTS REMOVED AND POWER RESTORED. ALL TEMPORARY PLUMBING SHALL BE REMOVED.

49.02 FINISHES DAMAGED BY ASBESTOS ABATEMENT ACTIVITIES INCLUDING, BUT NOT LIMITED TO, PLASTER/PAINT DAMAGE DUE TO DUCT TAPE AND SPRAY ADHESIVES, AND FLOOR TILE LIFTED DUE TO WET OR HUMID CONDITIONS, SHALL BE RESTORED PRIOR TO FINAL PAYMENT.

- A. Finishes unable to be restored shall be replaced under this Contract.
- B. All foam and expandable foam products and materials used to seal Work Area openings shall be completely removed upon completion of abatement activities.

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49.03 ALL PENETRATIONS (INCLUDING, BUT NOT LIMITED TO, PIPES, DUCTS, ETC.) THROUGH FIRE RATED CONSTRUCTION SHALL BE FIRESTOPPED USING MATERIALS AND SYSTEMS TESTED IN ACCORDANCE WITH ASTM E814 ON PROJECTS WHERE REINSULATION IS PART OF THE REQUIRED WORK.

PART 1 DISPOSAL OF ASBESTOS WASTE

APPLICABLE REGULATIONS

51.01 ALL ASBESTOS WASTE SHALL BE STORED, TRANSPORTED AND DISPOSED OF IN ACCORDANCE WITH THE FOLLOWING REGULATIONS AS A MINIMUM:

- A. NYS DEC 6 NYRCC part 360 and 364
- B. US EPA NESHAPS 40 CFR 61
- C. US EPA Asbestos Waste Management Guidance EPA/530-SW85
- D. NYC Local Law 70/85 (for Projects located in New York City).

TRANSPORTATION AND DISPOSAL SITE

52.01 THE CONTRACTOR'S HAULER AND DISPOSAL SITE SHALL BE APPROVED BY THE OWNER.

52.02 THE CONTRACTOR SHALL GIVE TWENTY-FOUR (24) HOUR NOTIFICATION PRIOR TO REMOVING ANY WASTE FROM THE SITE. WASTE SHALL BE REMOVED FROM THE SITE ONLY DURING NORMAL WORKING HOURS UNLESS OTHERWISE SPECIFIED. NO WASTE MAY BE TAKEN FROM THE SITE UNLESS THE CONTRACTOR AND ENVIRONMENTAL CONSULTANT ARE PRESENT AND THE ENVIRONMENTAL CONSULTANT AUTHORIZES THE RELEASE OF THE WASTE AS DESCRIBED HEREIN.

52.03 THE CONTRACTOR SHALL HAVE THE HAULER PROVIDE THE ESTIMATED DATE AND TIME OF ARRIVAL AT THE DISPOSAL SITE.

52.04 UPON ARRIVAL AT THE PROJECT SITE, THE HAULER MUST POSSESS AND PRESENT TO THE ENVIRONMENTAL CONSULTANT A VALID NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PART 364 ASBESTOS HAULER'S PERMIT. THE ENVIRONMENTAL CONSULTANT MAY VERIFY THE AUTHENTICITY OF THE HAULER'S PERMIT WITH THE PROPER AUTHORITY.

52.05 THE HAULER, WITH THE CONTRACTOR AND THE ENVIRONMENTAL CONSULTANT, SHALL INSPECT ALL MATERIAL IN THE TRANSPORT CONTAINER PRIOR TO TAKING POSSESSION AND SIGNING THE ASBESTOS WASTE MANIFESTS.

52.06 UNLESS SPECIFICALLY APPROVED BY THE OWNER, THE CONTRACTOR SHALL NOT PERMIT ANY OFF-SITE TRANSFERS OF THE WASTE OR ALLOW THE WASTE TO BE TRANSPORTED OR COMBINED WITH ANY OTHER OFF-SITE ASBESTOS MATERIAL. THE HAULER MUST TRAVEL DIRECTLY TO THE DISPOSAL SITE AS IDENTIFIED ON THE NOTIFICATIONS WITH NO UNAUTHORIZED STOPS.

WASTE STORAGE CONTAINERS

53.01 ALL WASTE CONTAINERS SHALL BE FULLY ENCLOSED AND LOCKABLE (I.E. ENCLOSED DUMPSTER, TRAILER, ETC.). NO OPEN CONTAINERS WILL BE PERMITTED ON-SITE (I.E. OPEN DUMPSTER WITH CANVAS COVER, ETC.) UNLESS SPECIFICALLY PERMITTED BY AN APPLICABLE OR SITE SPECIFIC VARIANCE.

53.02 THE ENVIRONMENTAL CONSULTANT SHALL VERIFY THAT THE WASTE STORAGE CONTAINER AND/OR TRUCK TAGS (LICENSE PLATES) MATCH THAT LISTED ON THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PART 364 PERMIT. ANY CONTAINER NOT LISTED ON THE PERMIT SHALL BE REMOVED FROM THE SITE IMMEDIATELY.

53.03 THE CONTAINER SHALL BE PLASTICIZED AND SEALED WITH A MINIMUM OF ONE (1) LAYER OF 6 MIL POLYETHYLENE ON THE SIDES AND TWO (2) LAYERS OF 6 MIL POLYETHYLENE ON THE FLOOR. ONCE ON SITE, IT SHALL BE KEPT LOCKED AT ALL TIMES, EXCEPT DURING LOAD OUT. THE WASTE CONTAINER SHALL NOT BE USED FOR STORAGE OF EQUIPMENT OR CONTRACTOR SUPPLIES.

53.04 WHILE ON-SITE, THE CONTAINER SHALL BE LABELED WITH EPA DANGER SIGNAGE:

- 1) DANGER
- 2) CONTAINS ASBESTOS FIBERS
- 3) AVOID CREATING DUST
- 4) CANCER AND LUNG DISEASE HAZARD
- 5)

53.05 THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION ASBESTOS HAULER'S PERMIT NUMBER SHALL BE STENCILED ON BOTH SIDES AND BACK OF THE CONTAINER.

53.06 THE CONTAINER IS NOT PERMITTED TO BE LOADED UNLESS IT IS PROPERLY PLASTICIZED, HAS THE APPROPRIATE DANGER SIGNAGE AFFIXED, AND HAS THE PERMIT NUMBER APPROPRIATELY STENCILED ON THE CONTAINER.

53.07 IF A LINED AND SEALED OPEN-TOP CONTAINER IS USED PURSUANT TO A SITE SPECIFIC VARIANCE, A SEAL IS NOT REQUIRED.

53.08 THE OWNER MAY INITIATE RANDOM CHECKS AT THE DISPOSAL SITE TO INSURE THAT THE PROCEDURES OUTLINED HEREIN ARE COMPLIED WITH.

OWNER'S AND HAULER'S ASBESTOS WASTE MANIFESTS

54.01 AN ASBESTOS WASTE MANIFEST SHALL BE UTILIZED IN CONJUNCTION WITH THE ASBESTOS HAULER'S MANIFEST.

54.02 THE HAULER'S MANIFEST SHALL BE COMPLETED BY THE CONTRACTOR AND VERIFIED BY THE ENVIRONMENTAL CONSULTANT THAT ALL THE INFORMATION AND AMOUNTS ARE ACCURATE AND THE PROPER SIGNATURES ARE IN PLACE.

54.03 THE MANIFESTS SHALL HAVE THE APPROPRIATE SIGNATURES OF THE ENVIRONMENTAL CONSULTANT, THE CONTRACTOR, AND THE HAULER REPRESENTATIVES PRIOR TO ANY WASTE BEING REMOVED FROM THE SITE.

54.04 COPIES OF THE COMPLETED HAULER'S MANIFEST SHALL BE RETAINED BY THE ENVIRONMENTAL CONSULTANT AND THE CONTRACTOR AND SHALL REMAIN ON SITE FOR INSPECTION.

54.05 UPON ARRIVAL AT THE DISPOSAL SITE, THE HAULER'S MANIFEST SHALL BE SIGNED BY THE DISPOSAL FACILITY OPERATOR TO CERTIFY RECEIPT OF ACM COVERED BY THE MANIFEST.

54.06 THE DISPOSAL FACILITY OPERATOR SHALL RETURN THE ORIGINAL HAULER'S MANIFEST AND THE CONTAINER SEALS TO THE CONTRACTOR.

54.07 THE CONTRACTOR SHALL FORWARD COPIES OF THE HAULER'S MANIFEST AND THE CONTAINER SEALS TO THE ENVIRONMENTAL CONSULTANT WITHIN 14 DAYS OF THE WASTE CONTAINER BEING REMOVED FROM THE SITE. FAILURE TO DO SO MAY RESULT IN PAYMENT BEING WITHHELD FROM THE CONTRACTOR.

54.08 THE CONTRACTOR SHALL UTILIZE A WASTE DISPOSAL LOG. THIS LOG SHALL BE MAINTAINED BY THE PROJECT SUPERVISOR AND SHALL BE KEPT ON SITE AT ALL TIMES.

54.09 ORIGINALS OF ALL WASTE DISPOSAL MANIFESTS, SEALS, AND DISPOSAL LOGS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE OWNER WITH THE FINAL CLOSE-OUT DOCUMENTATION.

54.10 CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY ACM DEMOLITION OPERATIONS IN ACCORDANCE WITH REGULATORY REQUIREMENTS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE ACM DEMOLITION OPERATIONS BEGAN.

(a) END OF SECTION 028213

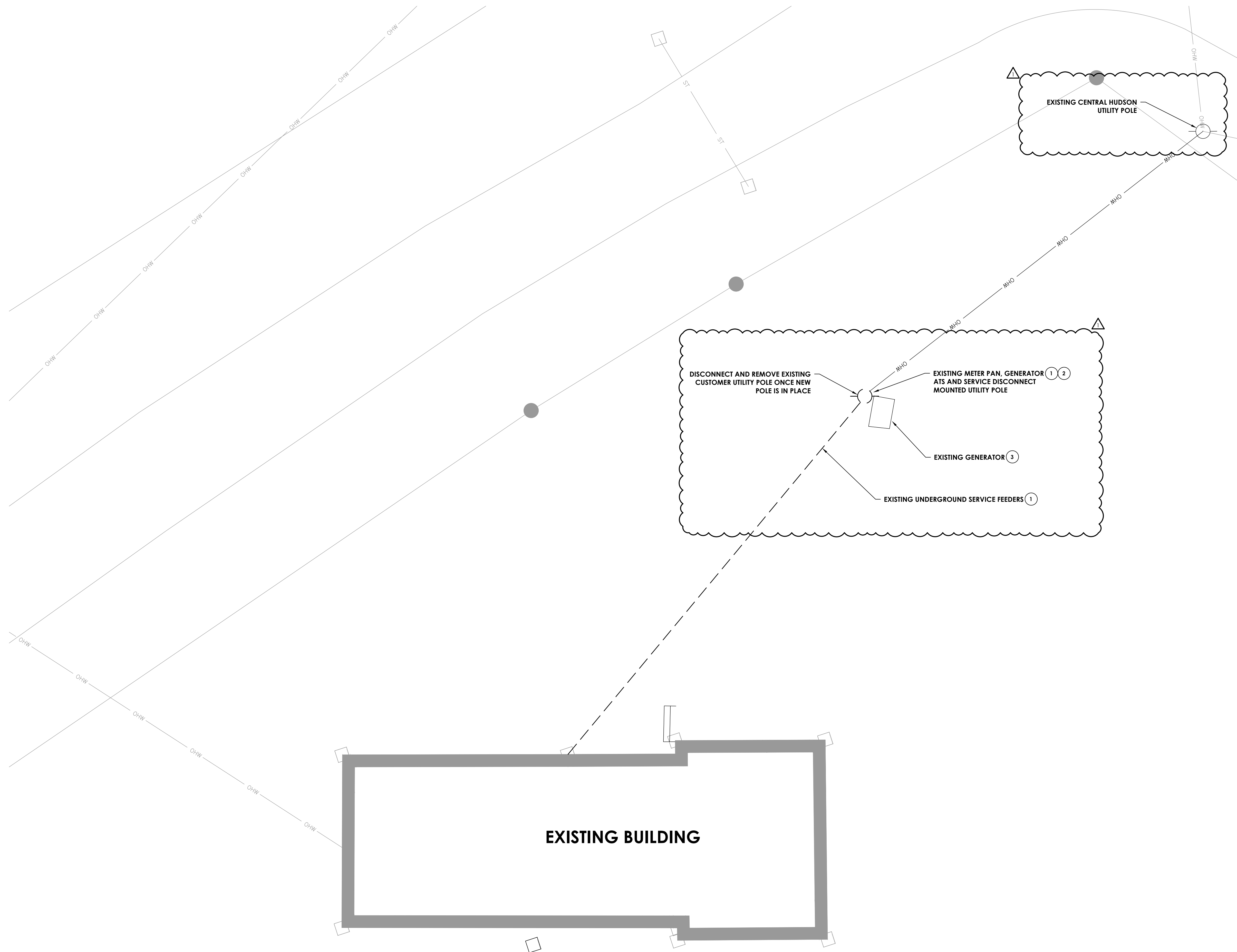
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Plotted By: Jeffrey Feiler

Date last plotted: 3/19/2024 10:03 AM

Date last accessed: 3/29/2024 10:01 AM

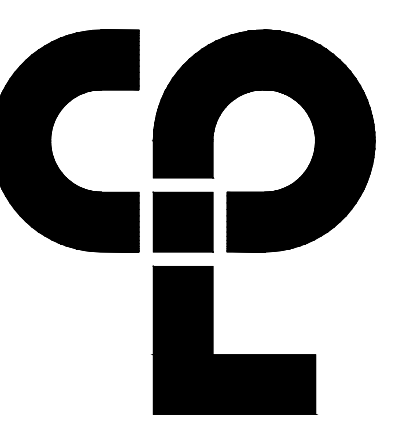
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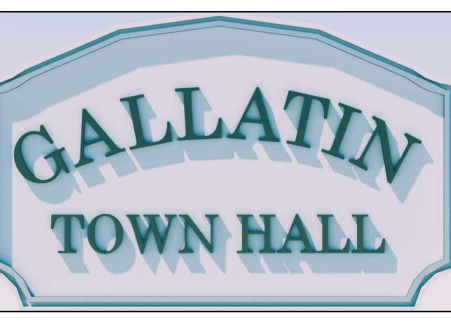
- GENERAL NOTES:**
- A. INFORMATION ON DRAWINGS WAS OBTAINED THROUGH FIELD OBSERVATION AND AS-BUILT DOCUMENTATION. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ANY DEVICES AND CABLING THAT MAY NOT BE SHOWN ON DRAWING AT NO ADDITIONAL COST TO OWNER.
 - B. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION AND EXISTING BUILDING DOCUMENTS. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE AT NO ADDITIONAL COST.
 - C. THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC IN AREAS OF NEW RENOVATIONS TO ACCOMMODATE NEW CONSTRUCTION. REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK AS NOTED IN THE FOLLOWING NOTES.
 - D. DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED. THE CONTRACTOR SHALL ASSUME WITHIN THE BASE BID A NOMINAL AMOUNT OF BRANCH CIRCUITS, FIXTURES, DEVICES, AND SYSTEMS WIRING WITHIN WALLS OR OPENINGS TO BE REMOVED OR RELOCATED AS REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION.
 - E. COORDINATE DEMOLITION OF EQUIPMENT, DEVICES, ETC. WITH OTHER DISCIPLINES AS APPLICABLE. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION.
 - F. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL ITEMS AND/OR EQUIPMENT BEING REMOVED AS PART OF THE PROJECT. THE OWNER SHALL HAVE THE RIGHT OF RETAINING ANY ITEMS BEING REMOVED.
 - G. FIREPROOFING AND/OR FIRE STOP MATERIALS REMOVED FROM FIRE RATED WALLS AND CEILINGS AS A RESULT OF DEMOLITION SHALL BE RE-INSTALLED USING AN APPROVED METHOD AS DESCRIBED IN ASSOCIATED PROJECT SPECIFICATIONS.
 - H. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL UTILITY WORK WITH CENTRAL HUDSON PRIOR TO BEGINNING WORK.
 - I. CENTRAL HUDSON JOB NUMBER IS J541209. CENTRAL HUDSON CONTACT IS EMILY REIS - 845.486.5444.

- KEY NOTES:**
- 1. DISCONNECT AND REMOVE EXISTING UTILITY METER PAN AND DEMAND/USAGE METER IN ITS ENTIRETY. REMOVE EXISTING WIREWAY ABOVE AND ALL SECONDARY SERVICE CONDUCTORS/CONDUIT BACK TO EXTERIOR WALL. REMOVE EXISTING SECONDARY CONDUCTORS/CONDUIT IN THEIR ENTIRETY. TURN EXISTING METER OVER TO CHG&E.
 - 2. DISCONNECT AND REMOVE EXISTING 200 AMP 240 VOLT MAIN SERVICE DISCONNECT SWITCH IN ITS ENTIRETY. REMOVE EXISTING CONDUCTORS/CONDUIT BACK TO UTILITY METER PAN. DISCONNECT AND REMOVE ALL EXISTING GROUNDING CONDUCTORS - GROUND CONNECTIONS, GROUND ROD, ETC. IN THEIR ENTIRETY.
 - 3. DISCONNECT AND REMOVE EXISTING 200 AMP 240/120V, 1PH, 3W GENERATOR AUTOMATIC TRANSFER SWITCH IN ITS ENTIRETY. DISCONNECT AND REMOVE EXISTING CONDUCTORS/CONDUIT BACK TO 200 AMP SERVICE DISCONNECT SWITCH. TURN GENERATOR OVER TO OWNER.

1 ELECTRICAL DEMOLITION SITE PLAN
E002 SCALE: 1/8" = 1'-0"



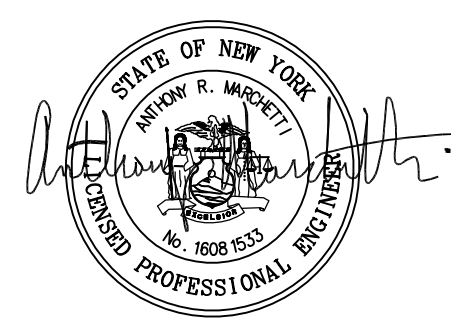
CPL | Architecture Engineering Planning
26 IBM Road
Poughkeepsie, NY 12601
CPLteam.com
NY Engineering Firm # 018330



PROJECT INFORMATION
Project Number: R22.16758.00
Client Name: TOWN OF GALLATIN
Project Name: TOWN HALL ADDITION & ALTERATIONS
Project Address: 667 COUNTY ROUTE 7

PROJECT ISSUE & REVISION SCHEDULE
No. Date Description
1 04/01/2024 BID ADDENDUM #1

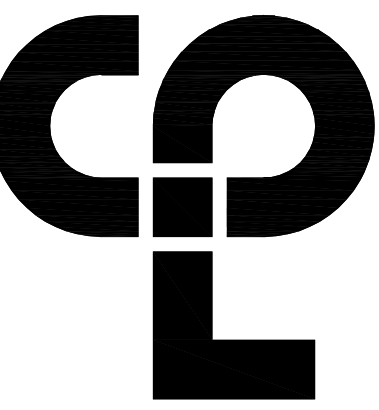
PROFESSIONAL STAMPS



NEW YORK STATE EDUCATION STATEMENT
I, ANTHONY R. MUSCETTI, a duly licensed professional engineer in the State of New York, hereby certify that I have prepared the drawings and specifications herein and that I am a duly licensed professional engineer in the State of New York, and that I am not providing any services in violation of the provisions of the Education Law of the State of New York.

SHEET INFORMATION
Issued: 2/29/24 Scale: AS INDICATED
Project Status: ISSUED FOR BID
Drawn By: AL Checked By: JT
Drawing Title: ELECTRICAL DEMOLITION SITE PLAN

Drawing Number: TG E002
Revision Number:



CPL | Architecture Engineering Planning
26 IBM Road
Poughkeepsie, NY 12601
CPLteam.com
NY Engineering Firm # 018330



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PROJECT ISSUE & REVISION SCHEDULE

| No. | Date | Description |
|-----|------------|-----------------|
| 1 | 04/01/2024 | BID ADDENDUM #1 |

GENERAL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE ADVANCE NOTICE TO OWNER PRIOR TO ANY ELECTRICAL SERVICE SHUT-DOWN(S).
- ANY EQUIPMENT, AS WELL AS ITS ASSOCIATED FEEDERS, CIRCUITING, AND CONDUITS LABELED (E) SHALL REMAIN UNLESS OTHERWISE NOTED.
- EXISTING AS-BUILT INFORMATION SHOWN ON DRAWINGS HAS BEEN TAKEN FROM EXISTING DOCUMENTS AND FIELD OBSERVATION. NOT ALL EXISTING RACEWAYS, DEVICES, JUNCTION BOXES, ETC., MAY BE SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING EQUIPMENT AND EXACT CONDUIT ROUTING TO NEW AUTOMATIC TRANSFER SWITCH DURING CONSTRUCTION.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL UNDERGROUND UTILITIES IN AREAS OF NEW UNDERGROUND ELECTRICAL WORK PRIOR TO EXCAVATION. ALL EXISTING ADJACENT UTILITIES SHALL BE TRACED AND MARKED ON SITE PRIOR TO EXCAVATION. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED TO ADJACENT UNDERGROUND UTILITIES AND SHALL INCUR ALL ASSOCIATED REPAIR COSTS.
- UNDERGROUND CONDUIT SHALL BE GALVANIZED STEEL OR SCH. 80 PVC (AS REQUIRED BY CENTRAL HUDSON) AND BE PLACED IN TRENCH SO THAT TOP OF CONDUIT IS 24" BELOW GRADE, UNLESS OTHERWISE NOTED. INSTALL WARNING TAPE 12" ABOVE CONDUIT.
- ALL ABOVE GRADE EXPOSED CONDUITS SHALL BE IN RIGID GALVANIZED STEEL.
- ALL UNDERGROUND CONDUIT ELBOWS AND SWEEPS SHALL BE IN RIGID GALVANIZED STEEL.
- ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR SLEEVES THROUGH CONCRETE FOUNDATION WALLS AND SLABS.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL COST ASSOCIATED WITH TRENCHING, SAW CUTTING, ETC. FOR WORK OF THE ELECTRICAL CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR FULL RESTORATION OF ALL EXISTING CONDITIONS INCLUDING, BUT NOT LIMITED TO, LAWN/LANDSCAPING RESTORATION, REPLACING, AND PATCHING OF ALL PAVEMENT, CONCRETE, ETC. EFFECTED BY WORK OF THE ELECTRICAL CONTRACTOR.
- CONTRACTOR SHALL PROVIDE AN UPDATED PANELBOARD SCHEDULE FOR ANY PANELBOARDS AFFECTED DURING CONSTRUCTION.
- REFER TO DRAWING E800 FOR ELECTRICAL DETAILS.
- ALL CONDUIT RUNS TO BE INSTALLED WITH THE SHORTEST ROUTE POSSIBLE.
- PROVIDE ANY ADDITIONAL POWER SUPPLIES OR OTHER MISCELLANEOUS COMPONENTS REQUIRED FOR A COMPLETE, OPERATIONAL LIGHTING SYSTEM TO MEET THE DESIGN INTENT OF THE LIGHTING SEQUENCE OF OPERATIONS AS SHOWN.
- FIXTURE TYPE MARK IS INDICATED ADJACENT TO NEW LIGHT FIXTURES. REFER TO LUMINAIRE SCHEDULE ON DRAWING E902 FOR FIXTURE DESCRIPTIONS AND NOTES.
- CENTRAL HUDSON JOB NUMBER IS J541209. CENTRAL HUDSON CONTACT IS EMILY REIS - 845.486.5444.

KEY NOTES:

- PROVIDE (2) #10, #12 G IN 3/4" CONDUIT FOR POWER TO FLAGPOLE LIGHT FIXTURE. PROVIDE 20A/1P CIRCUIT BREAKER IN PANEL "P-1".
- PROVIDE 1-1/4" CONDUIT WITH PULL STRING.
- PROVIDE (2) #6, #10 G IN 1" CONDUIT FOR POWER TO EV CHARGING STATIONS. PROVIDE 50A/2P CIRCUIT BREAKER IN PANEL "P-1".
- PROVIDE TRAFFIC RATED PULL BOX SUITABLY SIZED PER NEC.
- PROVIDE PULL BOX SUITABLY SIZED PER NEC.

PROFESSIONAL STAMPS

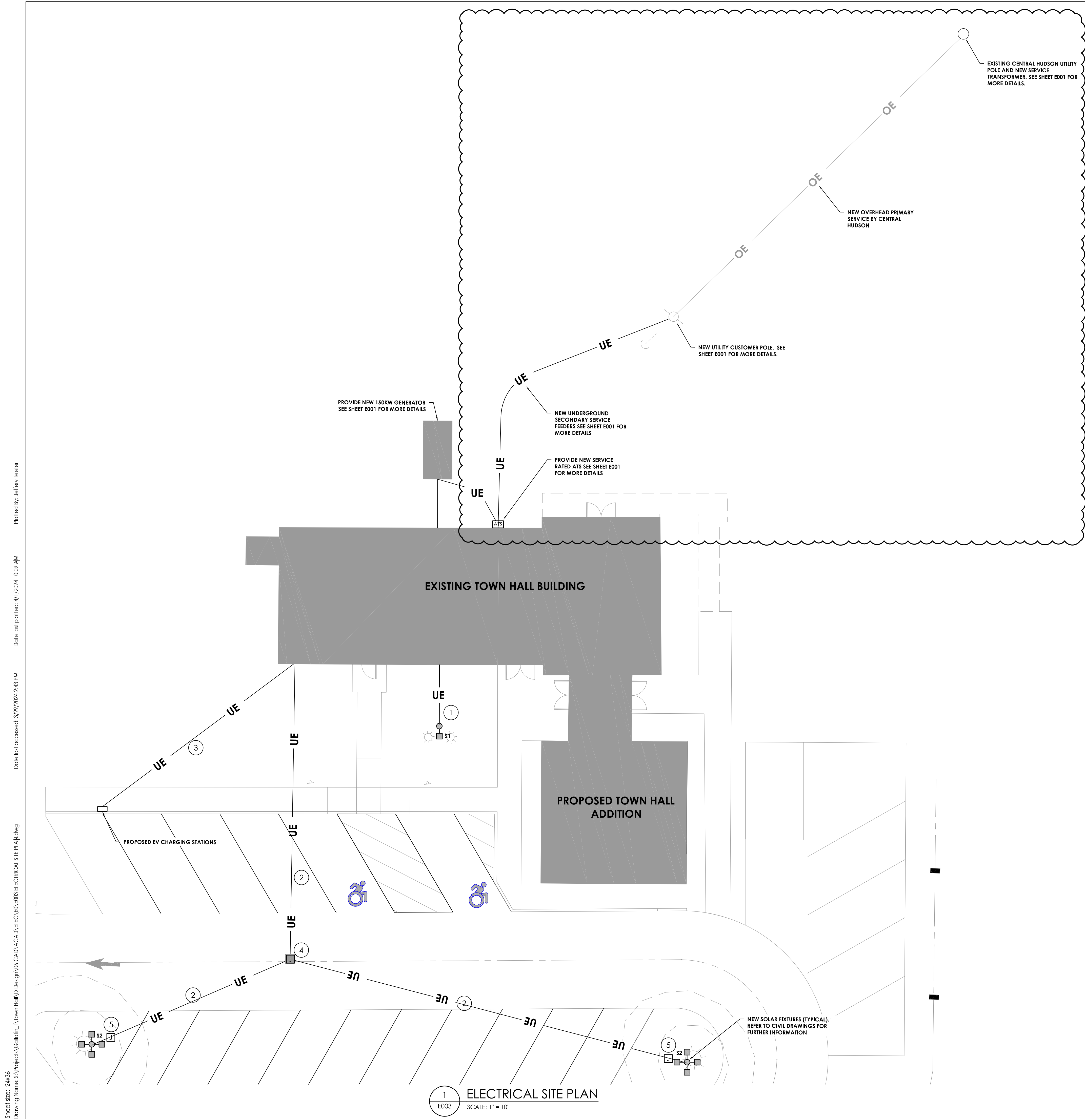
NEW YORK STATE EDUCATION STATEMENT
I, the undersigned, being a duly qualified and licensed professional engineer, hereby certify that I am the author of the design and drawings herein and that I am a duly licensed professional engineer in the State of New York. I am not providing my services as a consultant or contractor to the State of New York. My services are provided to the client under the terms and conditions of my contract with the client. I am not responsible for any errors or omissions in the design and drawings herein. I am not responsible for any damage to property or persons caused by the use of the design and drawings herein. I am not responsible for any delay in the completion of the project caused by the use of the design and drawings herein. I am not responsible for any cost overruns caused by the use of the design and drawings herein. I am not responsible for any other claims or damages caused by the use of the design and drawings herein.

SHEET INFORMATION

| | | | |
|----------------|----------------------|------------|----------|
| Issued | 2/29/24 | Scale | AS SHOWN |
| Project Status | ISSUED FOR BID | | |
| Drawn By | AL | Checked By | AL |
| Drawing Title | ELECTRICAL SITE PLAN | | |

Drawing Number
1
EG003

Revision Number



1
E003
ELECTRICAL SITE PLAN
SCALE: 1" = 10'

Sheet Size: 24x36
 Drawing Name: S:\Projects\Gallatin_Town Hall\AD Design\06_CAD\ACAD\ELECTRICAL\E003 ELECTRICAL SITE PLAN.dwg
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 Date last plotted: 4/1/2024 10:09 AM
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