CPL
ARCHITECTURE
ENGINEERING
PLANNING
CPLteam.com

November 16, 2026

Re: Monroe-Woodbury Central School District
2023 Bond: Phase 3 – NMES
CPL R23.15292.00

ADDENDUM #3

Attention to Bidders:

This Addendum for the above referenced bid solicitation consists of this cover page and the following attached hereto and made a part hereof the original bid solicitation documents.

SPECIFICATIONS:

1. **REPLACE** specification section 004000-FORM OF PROPOSAL - GENERAL CONSTRUCTION with the attached specification section 004000-FORM OF PROPOSAL - GENERAL CONSTRUCTION

2. **REPLACE** specification section 004000-FORM OF PROPOSAL - ROOF CONSTRUCTION with the attached specification section 004000-FORM OF PROPOSAL - ROOF CONSTRUCTION.

3. **REPLACE** specification section 004000-FORM OF PROPOSAL – MECHANICAL & PLUMBING CONSTRUCTION with the attached specification section 004000-FORM OF PROPOSAL – MECHANICAL & PLUMBING CONSTRUCTION.

4. **REPLACE** specification section 004000-FORM OF PROPOSAL - ELECTRICAL CONSTRUCTION with the attached specification section 004000-FORM OF PROPOSAL - ELECTRICAL CONSTRUCTION.

5. **REPLACE** specification section 004000-FORM OF PROPOSAL – HAZARDOUS MATERIALS CONSTRUCTION with the attached specification section 004000-FORM OF PROPOSAL - HAZARDOUS MATERIALS.

6. **REPLACE** specification section 040100-Maintenance of Masonry with the attached specification section 040100-Maintenance of Masonry.

7. **REPLACE** specification section 040110- MASONRY CLEANING with the attached specification section 040110- MASONRY CLEANING.

8. **REPLACE** specification section 040920 - Terra Cotta Masonry Repair with the attached specification section 040920 - Terra Cotta Masonry Repair.

Drawings:

1. **REPLACE** drawing NMES-A203 with attached drawing NMES-A203.

2. **REPLACE** drawing NMES- A400 with attached drawing NMES- A400.

3. **REPLACE** drawing NMES-A803 with attached drawing NMES- A803.

4. **REPLACE** drawing NMES- A804 with attached drawing NMES- A804.

5. **REPLACE** drawing NMES- P000 with attached drawing NMES- P000.

ADDENDUM #3

Monroe-Woodbury Central School District
2023 Bond: Phase 3 – NMES
CPL R23.15292.00

This Addendum is available for download online.

Bidders are to acknowledge receipt of this Addendum in their bid.

The Bid Opening Date and Time remain unchanged.

All questions by prospective bidders concerning this solicitation should be directed in writing to Thomas Hunter at CPL (THunter@cplteam.com) at least seven (7) business days prior to the originally scheduled bid opening date.

Sincerely,

Thomas Hunter
Senior Architectural Designer
CPL ARCHITECTURE. ENGINEERING. PLANNING.

END OF ADDENDUM #3

PROJECT:	Monroe Woodbury CSD Ph3 Part 2 - North Main	
PROJECT MANAGER:	Jason LaRocca	
PREPARED BY:	Thomas Hunter	
DATE:	11/16/2026	

BID RFI ID No.	ADDENDUM NO.	Question	Answer
BID RFI-001	2	Drawing note (1) states "PROVIDE A RECESSED CEILING MOUNTED SPEAKER, MODEL BAFKIT2X2L2570 AT EACH LOCATION INDICATED. PROVIDE (1) CAT.6A UTP PLENUM RATED CABLE, YELLOW IN COLOR, FROM SPEAKER BACK TO LOCAL DATA RACK. PROVIDE CAT.6A RJ45 JACKS, YELLOW IN COLOR, ON BOTH ENDS OF CABLE. COIL 10' OF CABLE ABOVE CEILING AT EACH CLOCK AND SPEAKER LOCATION." The specified Rauland speaker uses a 25/70V transformer with pigtail ends for connection. Please confirm cable to be used for these analog speakers and if they are to be direct home runs from each speaker back to the data rack or if they will be connected in daisy chains.	16 gauge twisted pair wiring. Speakers can be daisy chained back to amplifiersin rack, max of 60 speakers per circuit, set to 1.25w per specifications.
BID RFI-002	2	Please confirm if the exterior horn speakers are to be analog or IP endpoints.	Exterior Horn Speakers are to be analog.
BID RFI-003	2	Drawing NMES A-105 Roof E calls out the roof deck as 3" Poured wood Deck. Please clarify if the roof deck is wood or poured concrete over a different substrate. Drawing NMES A-200 Shows a door 03 as an exterior door. Drawing NMES A-900 on the door schedule the basement calls out 2 doors. Door 02 is called out to be FRP and Door 03 calls out to be HM. Please clarify where door 02 is located an if door 03 is to be HM.	Roof E has a 3" poured gyp deck. Door 02 is an exterior door located in the courtyard. Door 03 is confirmed to be HM.
BID RFI-004	2	Please confirm if the school/district will be providing the network switches and patch panels for the new IP endpoints.	District will purchase new network switches if needed. Patch panels are by contractor per specification section 271500
BID RFI-005	2	1. Does the existing building have any spray foam fireproofing or other materials attached directly to the roof deck that could be impacted during the roof replacement/rehab work?	Not to our knowledge
		2. 6/A800 shows a rail support for piping. Detail 3 on P000 shows roof gas piping supports with U-Anchor and guy wire bracing. Which detail should be used? Also, please clarify which contract owns the required supports and/or anchors.	See Addendum 2 and Multiple Contract Summary
		3. Ref note R4 on A205, P101 and 1/P000. Which contract owns the new vent pipe work?	See Multiple Contract Summary
		4. Ref P103 & P203 please confirm that Contract 3 – Mechanical/Plumbing owns the roof drain replacement including the hydro jet and scoping per Note R5 on A205	See Multiple Contract Summary
		5. Ref note R3 on A205. Are we replacing curbs or extending existing curbs? Ref. H103A-C, which contract owns removing the existing curbs? Ref H203A-C, which contract owns the new curbs? Which contract owns temporary protection of the opening during replacement?	All curbs are to be replaced. RC as part of the demo work is to remove all curbs. New curbs are to be furnished by MC and installed by RC. Refer to Multiple Contract Summary.
		6. Which contract owns the roof abatement work?	RC - Refer to Multiple contract Summary
		7. Which contract owns the masonry work shown on the elevations drawings A106 – A110 and A300-A304?	See Multiple Contract Summary
		8. Which contract owns the masonry & metal siding work shown on 7/A802?	See Multiple Contract Summary
		9. Which contract owns the metal panels, wood sheathing, and soffit work on 2/A801?	RC owns the work refrenced on 2/A801
		10. Which contract owns the brick replacement shown on 9&12/A800? Which contract owns the core drilling per 4/A801?	See Multiple Contract Summary
		11. Which contract owns the interior sheathing, hat channel, and batt insulation work on 1/A803?	GC to own the interior work refrenced on 1/A803
		12. Which contract owns the exterior roof ladder shown on 4/A851?	RC
		13. Which contract owns the masonry and louver work shown on A851?	GC - See Multiple Contract Summary
		14. Which contract owns the door work and masonry work per 6/A900?	RC is responsible for Roof Door #1 and associated masonry work. All other door work is the responsibility of the GC.
		15. Ref Note R6 on A205, which contract owns the deck infill and interior ceiling work?	See Multiple Contract Summary
		16. Ref A803 and H803. Both drawings show duct support details. Which contract owns providing the supports?	MC to furnish RC to install - See Multiple Contract Summary
		17. 075323, section 2.03.A calls out JM EPDM NR (non-reinforced) as the product for the EPDM membrane, but 2.03.B calls for reinforced EPDM. Notes R1A and R1B call for reinforced as well. Are we providing nonreinforced or reinforced EPDM?	RC to provide no reinforced - Refer to Addendum 2
		18. 075323, section 3.10 calls for a coating over the EPDM. This is not a on the roof plans or details. Do we need to coat the EPDM roof membrane?	We are not coating over the new EPDM roof membrane - See Multiple Contract Summary
		19. 7/A800 & 2/A801 show a standard gravel stop stripped in with 9" and 6" flashing. 077100 calls for a snap-on fascia system. Which is being installed?	The fascia system shown on the drawings is required
		20. Ref 1/A801, which contract owns the ladder work? Which contract owns the interior hatch well work?	RC owns ladder and hatch work - See Multiple Contract Summary
		21. Which contract owns the structural work on S202?	RC owns structural work related to the roof - See Multiple Contract Summary & Addendum 2
		22. Which contract owns the interior curb materials shown on 7/H801?	RC - See Multiple Contract Summary
RFI-007	2	Note #4 on Sheet A202 indicates that certain walls are to extend to the underside of the deck. For bidding, please confirm that the extension above the finished ceiling to the underside of the deck does not exceed 4'-0" in height. If it is more than 4'-0", please confirm the existing deck height.	Refer to sheet A400
RFI-008	3	Several walls on Sheet A203 are labeled "FIN." We could not find this designation on the partition schedule or the partition types on Sheet A400. Please define "FIN" and confirm the related wall construction or scope of work.	See Addendum 3
RFI-009	2	Sheet A400 shows Type X gypsum board, but the specifications call for moisture-resistant (MR) gypsum board. Please clarify which product is required. If both are intended, please confirm where each one goes.	Typ X gyp board is to installed on all interior walls. Typ MR gyp board to be installed aat the bulkhead ceiling.
RFI-010	2	Please provide the project milestone schedule.	See Addendum 1
RFI-011	2	General Note #4 at the top of Sheet A400 calls for minimum 18 ga metal studs. The enlarged partition type details on the same sheet call for 16 ga. Please confirm that 16 ga metal studs are required for all new interior framing.	18ga @all interior wall. 16ga @all pipe chase enclosures
RFI-012	2	Detail 4/A400 applies to the corridor walls that get new gypsum board on the corridor side. These walls also get a layer of gypsum board on the classroom side, up to the classroom ceiling height. Please clarify the following: 1 - What is the existing wall height? 2 - Is the new gypsum board to be installed over the existing framing, with the existing studs to remain? 3 - Are any existing wall finishes to be removed before the new board goes on?	Refer to sheet A400
RFI-013	2	Roofing bid form doesn't list a space for the MPC-4 new split system HVAC for kitchen alternate. Please update.	See Addendum 2
RFI-014	2	HZ100 shows ACM at the cementitious panel soffits along the facia. Which contract owns this abatement work?	RC
RFI-015	3	Please provide insurance limits for the project	See Addendum 2

RFI-016	3	1) No finish schedule is provided in the Drawings. Please reissue the drawing set with a finish schedule. 2) At the walkthrough, it was made clear that here are a number of places in the stairwells and lower levels where the existing Terra-Cotta Fireproofing system is exposed or cracked. Outside of the exterior/decorative cornices, there is no Terra Cotta shown in any of the plans or specs, especially the Fireproofing tile system. Please provide the following: Sections/Details showing the composition of the deck construction between floors including but not limited to concrete decks, terra cotta tile, steel or wood structural elements, and more. These sections/details are currently absent from the existing structural and architectural drawings Please clarify who is responsible for penetrations through the floor plates, including the Terra Cotta fireproofing system, and provide reinforcement and re-fireproofing details to stabilize individual terra cotta tiles at penetration locations.	1.Finish schedule is not needed for this project. 2.GC is sponsible for interior work. Refer to Multiple Contract Summary. Core-drilled openings for piping must be neatly sleeved and fire-stopped or dry-packed with non-shrink grout or fire-rated mortar to restore the integrity of the assembly. Opening shall not impact or damage existing concrete ribs. Any square penetrations shall avoid overcutting by core-drilling corners.
RFI-017	3	Addendum #2, RFI #005/21, states that all structural work shown on S202 is included in the roofing contractor's scope. Please confirm that the General Contractor has no roof-related work in its scope, including the miscellaneous steel supports for the rooftop units (RTUs) and skylights per detail 1,2,3,4/ S800.	Refer to Multiple Contract Summary. All roof work including structural work related to the roof will be apart of the RC contract.

SECTION 004000
FORM OF PROPOSAL - GENERAL CONSTRUCTION

DATED: _____

Bid from: Name: _____

Address: _____

_____

_____

Phone No.: _____

Fax No.: _____

Bid to: Monroe-Woodbury Central School District
278 Route 32
Central Valley, NY 10917

Bid for: 2023 BOND: NORTH MAIN ELEMENTARY SCHOOL
GENERAL CONSTRUCTION

BASE BID

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

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

Total Lump Sum Base Bid (in words): _____

_____

ADDENDA RECEIVED

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

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

BID GUARANTEE

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

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

TIME OF COMPLETION

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

ALLOWANCES

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

	Allowance Amount:
General CONSTRUCTION; GC-1	$250,000.00

ALTERNATE BIDS

A. Enter a whole dollar amount, even if it is zero ($ 0), for each Alternate Bid. 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.

B. **GENERAL CONSTRUCTION**

Alternate Bid No. GC-1; Lower Playground Drainage
ADD to | the base bid a total sum of:
(in numbers) $ _____
(in words) _____

Alternate Bid No. GC-2; Fiber and Power Line to Lower Playground
ADD to | the base bid a total sum of:
(in numbers) $ _____
(in words) _____

Alternate Bid No. GC-3; New Enlarged Louver Openings at Unit Ventilators
ADD to | the base bid a total sum of:
(in numbers) $ _____
(in words) _____

UNIT PRICES

Enter in unit prices from spec section 012700. (Unit prices are used in anticipation that there will be additional quantities of materials and labor not expressly indicated on the contract documents.)

1. **GENERAL CONSTRUCTION (GC)**
   a. GC- 1 : Brick Replacement
      ADD $ _____ SF / **DEDUCT** $ _____ SF

b. GC- 2 : Repointing Brick
ADD $ _____ SF / **DEDUCT** $ _____ SF

c. GC- 3 : Interior Painting
ADD $ _____ SF / **DEDUCT** $ _____ SF

d. GC- 4 : Provide and install VCT floor tile:
ADD $ _____ SF / **DEDUCT** $ _____ SF

e. GC- 5 : Remove non-asbestos bearing plaster:
ADD $ _____ SF / **DEDUCT** $ _____ SF

f. GC- 6 : Provide and install ACT ceiling.
ADD $ _____ SF / **DEDUCT** $ _____ SF

g. GC- 7 : Remove and replace steel lintel
ADD $ _____ LF / **DEDUCT** $ _____ LF

h. GC- 8 : Provide and install Gypsum Wall Board
ADD $ _____ SF / **DEDUCT** $ _____ SF

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.

NEW YORK STATE DEPARTMENT OF LABOR CONTRACTOR REGISTRY

Pursuant to New York State Department of Labor requirements, Contractor to submit with the bid, a copy of their Contractor Certificate of Registration which is attached to, and made part of, this Proposal.

IRAN DIVESTMENT ACT CERTIFICATION

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

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

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

REPRESENTATIONS

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

1. It has examined the Contract Documents, the site of the proposed Work, is familiar with the local conditions at the place where the Work is to be performed and fully comprehends

the requirements and intent of the plans and specifications for this Project in accordance with the drawings, specifications and other Contract Documents prepared by CPL, the Owners Consultant, for this Project.

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

CHANGE ORDERS

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

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

NON-COLLUSIVE BIDDING CERTIFICATION

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

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

ACCEPTANCE

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

AFFIRMS

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

TYPE OF BUSINESS

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

PLACE OF BUSINESS

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

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

EXECUTION OF CONTRACT

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

ASBESTOS

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

AUTHORIZED SIGNATURES FOR PROPOSALS

Signature:	
Name:	
	(Typed or Printed)
Title:	
Firm:	
	(Legal Name of Person, Single Proprietorship, Partnership, or Corporation)

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)*

GENDER-BASED VIOLENCE AND WORKPLACE POLICY AFFIRMATION

Pursuant to NYS State Finance Law §139-M, 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 gender-based violence and the workplace and has provided such policy to all of its employees, directors and board members. Such policy shall, at a minimum, meet the requirements of subdivision 11 of section five hundred seventy-five of the executive law.

Contractor Information:

Name of Contractor: _____

Address: _____

Phone Number: _____ Fax Number: _____

Email Address: _____

Contractor Website: _____

_____ _____ _____

(Signature of Contractor) *(Title)* *(Date)*

CERTIFICATION UNDER EXECUTIVE ORDER NO. 16

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

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

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

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

_____ 1. No, Vendor does not conduct business operations in Russia within the meaning of Executive Order No. 16.

_____ 2.a. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16 but has taken steps to wind down business operations in Russia or is in the process of winding down business operations in Russia. (Please provide a detailed description of the wind down process and a schedule for completion.)

_____ 2.b. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16 but only to the extent necessary to provide vital health and safety services within Russia or to comply with federal law, regulations, executive orders, or directives. (Please provide a detailed description of the services being provided or the relevant laws, regulations, etc.)

_____ 3. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16.

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

Vendor Name: _____

(legal entity)

By: _____

(signature)

Name: _____

Title: _____

Date: _____

LABOR LAW 220-I CERTIFICATION FORM

By submission of this bid, the person authorized to sign on behalf of the Bidder hereby certifies, under penalty of perjury, that : (i) the Bidder is registered with the New York State Department of Labor pursuant to Section 220-i of the New York Labor Law and (ii) each of the subcontractors engaged by the Bidder for this Project are also registered.
Bidder further represents that it has include with this certification, a copy of the Certificate(s) of Registration issued by the Commissioner of the Department of Labor for the Bidder and each of its subcontractor(s).

Project:
Individual or Legal Name of Bidder or Corporation:
Bidder Address:
Signature of Representative of Bidder or Corporation:
Print Name and Title:
Date:
SWORN to before me this date:
Notary Public Signature and Stamp:

END OF SECTION

SECTION 004001
FORM OF PROPOSAL - ROOF CONSTRUCTION

DATED: _____

Bid from: Name: _____
Address: _____
_____
_____
Phone No.: _____
Fax No.: _____

Bid to: Monroe-Woodbury Central School District
278 Route 32
Central Valley, NY 10917

Bid for: 2023 BOND: NORTH MAIN ELEMENTARY SCHOOL
[ ] ROOF CONSTRUCTION (RC)

BASE BID

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

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

Total Lump Sum Base Bid (in words): _____

_____

ADDENDA RECEIVED

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

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

BID GUARANTEE

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

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

TIME OF COMPLETION

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

ALLOWANCES

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

	Allowance Amount:
Roofing Work , RC-1	$150,000

UNIT PRICES

Enter in unit prices from spec section 012700. (Unit prices are used in anticipation that there will be additional quantities of materials and labor not expressly indicated on the contract documents.)

1. **ROOFING WORK (RC)**
   a. RC- 1 : Provide and install rigid insulation
      ADD $ _____20SF / **DEDUCT** $ _____20SF

   b. RC- 2 : Provide and install taper insulation
      ADD $ _____20SF / **DEDUCT** $ _____20SF

   c. RC- 3 : Provide and install wood blocking
      ADD $ _____ LF / **DEDUCT** $ _____ LF

   d. RC- 4 : Provide and install roof deck infill
      ADD $ _____ SF / **DEDUCT** $ _____ SF

   e. RC- 5 : Remove wet insulation, replace roof
      ADD $ _____ SF / **DEDUCT** $ _____ SF

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.

NEW YORK STATE DEPARTMENT OF LABOR CONTRACTOR REGISTRY

Pursuant to New York State Department of Labor requirements, Contractor to submit with the bid, a copy of their Contractor Certificate of Registration which is attached to, and made part of, this Proposal.

IRAN DIVESTMENT ACT CERTIFICATION

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

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

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

REPRESENTATIONS

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

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

CHANGE ORDERS

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

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

NON-COLLUSIVE BIDDING CERTIFICATION

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

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

ACCEPTANCE

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

AFFIRMS

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

TYPE OF BUSINESS

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

PLACE OF BUSINESS

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

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

EXECUTION OF CONTRACT

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

ASBESTOS

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

AUTHORIZED SIGNATURES FOR PROPOSALS

Signature:	
Name:	
	(Typed or Printed)
Title:	
Firm:	
	(Legal Name of Person, Single Proprietorship, Partnership, or Corporation)
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)*

GENDER-BASED VIOLENCE AND WORKPLACE POLICY AFFIRMATION

Pursuant to NYS State Finance Law §139-M, 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 gender-based violence and the workplace and has provided such policy to all of its employees, directors and board members. Such policy shall, at a minimum, meet the requirements of subdivision 11 of section five hundred seventy-five of the executive law.

Contractor Information:

Name of Contractor: _____

Address: _____

Phone Number: _____ Fax Number: _____

Email Address: _____

Contractor Website: _____

_____ _____ _____

(Signature of Contractor) *(Title)* *(Date)*

CERTIFICATION UNDER EXECUTIVE ORDER NO. 16

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

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

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

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

_____ 1. No, Vendor does not conduct business operations in Russia within the meaning of Executive Order No. 16.

_____ 2.a. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16 but has taken steps to wind down business operations in Russia or is in the process of winding down business operations in Russia. (Please provide a detailed description of the wind down process and a schedule for completion.)

_____ 2.b. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16 but only to the extent necessary to provide vital health and safety services within Russia or to comply with federal law, regulations, executive orders, or directives. (Please provide a detailed description of the services being provided or the relevant laws, regulations, etc.)

_____ 3. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16.

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

Vendor Name: _____

(legal entity)

By: _____

(signature)

Name: _____

Title: _____

Date: _____

LABOR LAW 220-I CERTIFICATION FORM

By submission of this bid, the person authorized to sign on behalf of the Bidder hereby certifies, under penalty of perjury, that : (i) the Bidder is registered with the New York State Department of Labor pursuant to Section 220-i of the New York Labor Law and (ii) each of the subcontractors engaged by the Bidder for this Project are also registered.
Bidder further represents that it has include with this certification, a copy of the Certificate(s) of Registration issued by the Commissioner of the Department of Labor for the Bidder and each of its subcontractor(s).

Project:
Individual or Legal Name of Bidder or Corporation:
Bidder Address:
Signature of Representative of Bidder or Corporation:
Print Name and Title:
Date:
SWORN to before me this date:
Notary Public Signature and Stamp:

END OF SECTION 004001

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SECTION 004002
FORM OF PROPOSAL - MECHANICAL & PLUMBING CONSTRUCTION

DATED: _____

Bid from: Name: _____
Address: _____
_____
_____
Phone No.: _____
Fax No.: _____

Bid to: Monroe-Woodbury Central School District
278 Route 32
Central Valley, NY 10917

Bid for: 2023 BOND: NORTH MAIN ELEMENTARY SCHOOL
MECHANICAL (HVAC) AND PLUMBING CONSTRUCTION

BASE BID

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

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

Total Lump Sum Base Bid (in words): _____

_____

ADDENDA RECEIVED

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

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

BID GUARANTEE

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

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

TIME OF COMPLETION

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

ALLOWANCES

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

	Allowance Amount:
Mechanical & Plumbing Construction; MPC-1	$250,000.00

ALTERNATE BIDS

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

Alternate Bid No. MPC-1; New Enlarged Louver Openings at Unit Ventilators
ADD to the base bid a total sum of:
(in numbers) $ _____
(in words) _____

Alternate Bid No. MPC-2; Clean Existing Ductwork
ADD to the base bid a total sum of:
(in numbers) $ _____
(in words) _____

Alternate Bid No. MPC-3; Abandon and Seal Existing Steam Pipes Above Ceilings
DEDUCT from the base bid a total sum of:
(in numbers) $ _____
(in words) _____

Alternate Bid No. MPC-4; New Split System HVAC for Kitchen

ADD to the base bid a total sum of:

(in numbers) $ _____

(in words) _____

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. **MECHANICAL AND PLUMBING WORK(MPC)**

a. MPC 1 Copper Piping- 1.25":
ADD $ _____ LF / **DEDUCT** $ _____ LF

b. MPC 2 Copper Piping- 1.5"-2.5"
ADD $ _____ LF / **DEDUCT** $ _____ LF

c. MPC 3 Black Piping- 3"-4"
ADD $ _____ LF / **DEDUCT** $ _____ LF

d. MPC 4 Black Piping- 5"- 6"
ADD $ _____ LF / **DEDUCT** $ _____ LF

e. MPC 5 Insulation- 1.25":
ADD $ _____ LF / **DEDUCT** $ _____ LF

f. MPC 6 Insulation- 1.5"-2.5"
ADD $ _____ LF / **DEDUCT** $ _____ LF

g. MPC 7 Insulation- 3" -4":
ADD $ _____ LF / **DEDUCT** $ _____ LF

h. MPC 8 Insulation- 5"-6"
ADD $ _____ LF / **DEDUCT** $ _____ LF

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.

NEW YORK STATE DEPARTMENT OF LABOR CONTRACTOR REGISTRY

Pursuant to New York State Department of Labor requirements, Contractor to submit with the bid, a copy of their Contractor Certificate of Registration which is attached to, and made part of, this Proposal.

IRAN DIVESTMENT ACT CERTIFICATION

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

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

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

REPRESENTATIONS

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

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

CHANGE ORDERS

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

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

NON-COLLUSIVE BIDDING CERTIFICATION

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

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

ACCEPTANCE

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

AFFIRMS

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

TYPE OF BUSINESS

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

PLACE OF BUSINESS

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

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

EXECUTION OF CONTRACT

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

ASBESTOS

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

AUTHORIZED SIGNATURES FOR PROPOSALS

Signature:	
Name:	
	(Typed or Printed)
Title:	
Firm:	
	(Legal Name of Person, Single Proprietorship, Partnership, or Corporation)
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)*

GENDER-BASED VIOLENCE AND WORKPLACE POLICY AFFIRMATION

Pursuant to NYS State Finance Law §139-M, 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 gender-based violence and the workplace and has provided such policy to all of its employees, directors and board members. Such policy shall, at a minimum, meet the requirements of subdivision 11 of section five hundred seventy-five of the executive law.

Contractor Information:

Name of Contractor: _____

Address: _____

Phone Number: _____ Fax Number: _____

Email Address: _____

Contractor Website: _____

_____ _____ _____

(Signature of Contractor) *(Title)* *(Date)*

CERTIFICATION UNDER EXECUTIVE ORDER NO. 16

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

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

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

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

_____ 1. No, Vendor does not conduct business operations in Russia within the meaning of Executive Order No. 16.

_____ 2.a. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16 but has taken steps to wind down business operations in Russia or is in the process of winding down business operations in Russia. (Please provide a detailed description of the wind down process and a schedule for completion.)

_____ 2.b. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16 but only to the extent necessary to provide vital health and safety services within Russia or to comply with federal law, regulations, executive orders, or directives. (Please provide a detailed description of the services being provided or the relevant laws, regulations, etc.)

_____ 3. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16.

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

Vendor Name: _____

(legal entity)

By: _____

(signature

Name: _____

Title:_____

Date: _____

LABOR LAW 220-I CERTIFICATION FORM

By submission of this bid, the person authorized to sign on behalf of the Bidder hereby certifies, under penalty of perjury, that : (i) the Bidder is registered with the New York State Department of Labor pursuant to Section 220-i of the New York Labor Law and (ii) each of the subcontractors engaged by the Bidder for this Project are also registered.

Bidder further represents that it has include with this certification, a copy of the Certificate(s) of Registration issued by the Commissioner of the Department of Labor for the Bidder and each of its subcontractor(s).

Project:
Individual or Legal Name of Bidder or Corporation:
Bidder Address:
Signature of Representative of Bidder or Corporation:
Print Name and Title:
Date:
SWORN to before me this date:
Notary Public Signature and Stamp:

END OF SECTION 004002

SECTION 004003
FORM OF PROPOSAL - ELECTRICAL CONSTRUCTION

DATED: _____

Bid from: Name: _____
Address: _____
_____
_____
Phone No.: _____
Fax No.: _____

Bid to: Monroe-Woodbury Central School District
278 Route 32
Central Valley, NY 10917

Bid for: 2023 BOND: NORTH MAIN ELEMENTARY SCHOOL
ELECTRICAL CONSTRUCTION (EC)

BASE BID

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

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

Total Lump Sum Base Bid (in words): _____

_____

ADDENDA RECEIVED

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

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

BID GUARANTEE

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

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

TIME OF COMPLETION

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

ALLOWANCES

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

	Allowance Amount:
Electrical Construction; EC-1	$100,000.00

ALTERNATE BIDS

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

Alternate Bid No. EC-1; Fiber and Power Line to Lower Playground
ADD to | the base bid a total sum of:
(in numbers) $ _____
(in words) _____

Alternate Bid No. EC-2; New Split System HVAC for Kitchen
ADD to | the base bid a total sum of:
(in numbers) $ _____
(in words) _____

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.

NEW YORK STATE DEPARTMENT OF LABOR CONTRACTOR REGISTRY

Pursuant to New York State Department of Labor requirements, Contractor to submit with the bid, a copy of their Contractor Certificate of Registration which is attached to, and made part of, this Proposal.

IRAN DIVESTMENT ACT CERTIFICATION

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

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

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

REPRESENTATIONS

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

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

CHANGE ORDERS

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

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

NON-COLLUSIVE BIDDING CERTIFICATION

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

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

ACCEPTANCE

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

AFFIRMS

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

TYPE OF BUSINESS

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

PLACE OF BUSINESS

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

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

EXECUTION OF CONTRACT

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

ASBESTOS

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

AUTHORIZED SIGNATURES FOR PROPOSALS

Signature:	
Name:	
	(Typed or Printed)
Title:	
Firm:	
	(Legal Name of Person, Single Proprietorship, Partnership, or Corporation)
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)*

GENDER-BASED VIOLENCE AND WORKPLACE POLICY AFFIRMATION

Pursuant to NYS State Finance Law §139-M, 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 gender-based violence and the workplace and has provided such policy to all of its employees, directors and board members. Such policy shall, at a minimum, meet the requirements of subdivision 11 of section five hundred seventy-five of the executive law.

Contractor Information:

Name of Contractor: _____

Address: _____

Phone Number: _____ Fax Number: _____

Email Address: _____

Contractor Website: _____

_____ _____ _____

(Signature of Contractor) *(Title)* *(Date)*

CERTIFICATION UNDER EXECUTIVE ORDER NO. 16

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

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

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

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

_____ 1. No, Vendor does not conduct business operations in Russia within the meaning of Executive Order No. 16.

_____ 2.a. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16 but has taken steps to wind down business operations in Russia or is in the process of winding down business operations in Russia. (Please provide a detailed description of the wind down process and a schedule for completion.)

_____ 2.b. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16 but only to the extent necessary to provide vital health and safety services within Russia or to comply with federal law, regulations, executive orders, or directives. (Please provide a detailed description of the services being provided or the relevant laws, regulations, etc.)

_____ 3. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16.

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

Vendor Name: _____

(legal entity)

By: _____

(signature)

Name: _____

Title: _____

Date: _____

LABOR LAW 220-I CERTIFICATION FORM

By submission of this bid, the person authorized to sign on behalf of the Bidder hereby certifies, under penalty of perjury, that : (i) the Bidder is registered with the New York State Department of Labor pursuant to Section 220-i of the New York Labor Law and (ii) each of the subcontractors engaged by the Bidder for this Project are also registered.
Bidder further represents that it has include with this certification, a copy of the Certificate(s) of Registration issued by the Commissioner of the Department of Labor for the Bidder and each of its subcontractor(s).

Project:
Individual or Legal Name of Bidder or Corporation:
Bidder Address:
Signature of Representative of Bidder or Corporation:
Print Name and Title:
Date:
SWORN to before me this date:
Notary Public Signature and Stamp:

END OF SECTION 004003

SECTION 004004
FORM OF PROPOSAL - HAZARDOUS MATERIALS CONSTRUCTION

DATED: _____

Bid from: Name: _____
Address: _____
_____
_____
Phone No.: _____
Fax No.: _____

Bid to: Monroe-Woodbury Central School District
278 Route 32
Central Valley, NY 10917

Bid for: 2023 BOND: NORTH MAIN ELEMENTARY SCHOOL
HAZARDOUS MATERIALS WORK (HMC)

BASE BID

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

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

Total Lump Sum Base Bid (in words): _____

_____

ADDENDA RECEIVED

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

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

BID GUARANTEE

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

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

TIME OF COMPLETION

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

ALLOWANCES

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

	Allowance Amount:
Hazardous Materials Work HMC-1	$200,000.00

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. **HAZARDOUS MATERIALS (HMC)**
   a. HMC- 1 : Abate Ceiling:
      ADD $ _____ SF / **DEDUCT** $ _____ SF

   b. HMC- 2 : Abate asbestos containing VCT:
      ADD $ _____ SF / **DEDUCT** $ _____ SF

   c. HMC- 3 : Abate asbestos containing insulation:
      ADD $ _____ SF / **DEDUCT** $ _____ SF

   d. HMC- 4 : Abate asbestos containing elbow:
      ADD $ _____ SF / **DEDUCT** $ _____ SF

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.

NEW YORK STATE DEPARTMENT OF LABOR CONTRACTOR REGISTRY

Pursuant to New York State Department of Labor requirements, Contractor to submit with the bid, a copy of their Contractor Certificate of Registration which is attached to, and made part of, this Proposal.

IRAN DIVESTMENT ACT CERTIFICATION

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

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

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

REPRESENTATIONS

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

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

c. No attempt has been made or will be made by bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

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

CHANGE ORDERS

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

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

NON-COLLUSIVE BIDDING CERTIFICATION

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

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

ACCEPTANCE

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

AFFIRMS

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

TYPE OF BUSINESS

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

PLACE OF BUSINESS

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

Name of Contact Person:
Name of Business or Firm:
Address:
Address:

Telephone:	Fax:
Email Address:	
FEIN: Federal Employer Identification No.:	

EXECUTION OF CONTRACT

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

ASBESTOS

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

AUTHORIZED SIGNATURES FOR PROPOSALS

Signature:	
Name:	
	(Typed or Printed)
Title:	
Firm:	
	(Legal Name of Person, Single Proprietorship, Partnership, or Corporation)
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)*

GENDER-BASED VIOLENCE AND WORKPLACE POLICY AFFIRMATION

Pursuant to NYS State Finance Law §139-M, 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 gender-based violence and the workplace and has provided such policy to all of its employees, directors and board members. Such policy shall, at a minimum, meet the requirements of subdivision 11 of section five hundred seventy-five of the executive law.

Contractor Information:

Name of Contractor: _____

Address: _____

Phone Number: _____ Fax Number: _____

Email Address: _____

Contractor Website: _____

_____ _____ _____

(Signature of Contractor) *(Title)* *(Date)*

CERTIFICATION UNDER EXECUTIVE ORDER NO. 16

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

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

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

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

_____ 1. No, Vendor does not conduct business operations in Russia within the meaning of Executive Order No. 16.

_____ 2.a. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16 but has taken steps to wind down business operations in Russia or is in the process of winding down business operations in Russia. (Please provide a detailed description of the wind down process and a schedule for completion.

_____ 2.b. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16 but only to the extent necessary to provide vital health and safety services within Russia or to comply with federal law, regulations, executive orders, or directives. (Please provide a detailed description of the services being provided or the relevant laws, regulations, etc.)

_____ 3. Yes, Vendor conducts business operations in Russia within the meaning of Executive Order No. 16.

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

Vendor Name: _____

(legal entity)

By: _____

(signature)

Name: _____

Title: _____

Date: _____

LABOR LAW 220-I CERTIFICATION FORM

By submission of this bid, the person authorized to sign on behalf of the Bidder hereby certifies, under penalty of perjury, that : (i) the Bidder is registered with the New York State Department of Labor pursuant to Section 220-i of the New York Labor Law and (ii) each of the subcontractors engaged by the Bidder for this Project are also registered.

Bidder further represents that it has include with this certification, a copy of the Certificate(s) of Registration issued by the Commissioner of the Department of Labor for the Bidder and each of its subcontractor(s).

Project:
Individual or Legal Name of Bidder or Corporation:
Bidder Address:
Signature of Representative of Bidder or Corporation:
Print Name and Title:
Date:
SWORN to before me this date:
Notary Public Signature and Stamp:

END OF SECTION 004004

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SECTION 040100
MAINTENANCE OF MASONRY

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Replacement of brick units.

B. Repointing mortar joints.

C. Repair of damaged masonry.

D. Retrofitting masonry veneer construction with brick ties and weeps.

E. Removal and reinstallation of brick at new steel lintels.

F. Replacement of existing sealant at windows, door frames, louvers, ducts and miscellaneous items with new sealant.

G. Sealing brick.

1.02 SUMMARY

A. Extent of masonry restoration is indicated on drawings and in provisions of this section.
   1. Examine the site, building and adjacent property. Confirm quantities of brick requiring repointing, replacement. Notify architect if these quantities differ from contract documents. Thoroughly investigate conditions at the site to determine measures required to protect existing windows, doors and similar items from restoration work. Examine potential interferences and difficulties that may be encountered in proper and complete execution..
   2. Refer to Section 040110 - Masonry Cleaning for sequencing of repair and cleaning work.

1.03 RELATED REQUIREMENTS

A. Section 040110 - Masonry Cleaning

B. Section 042000 - Unit Masonry: Brick masonry units.

1.04 REFERENCE STANDARDS

A. BIA Technical Notes No. 20 - Cleaning Brick Work - August 2018

B. BIA Technical Notes No. 46 - Maintenance of Brick Masonry - December 2017

C. National Parks Service US Dept. of the Interior Preservation Brief # 1 - Assessing Cleaning and Water-Repellent Treatments for Historic Masonry Buildings.

D. National Parks Service US Dept. of the Interior Preservation Brief # 2 - Repointing Mortar Joints in Historic Masonry Buildings.

E. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware 2023.

F. ASTM A641/A641M - Standard Specifications for Zinc-Coated (Galvanized) Carbon Steel Wire 2019.

G. ASTM A951/A951M - Standard Specifications for Steel Wire for Masonry Joint Reinforcement 2022.

H. ASTM C144 - Standard Specification for Aggregate for Masonry Mortar 2018.

I. ASTM C150/C150M - Standard Specification for Portland Cement

J. ASTM C207- Standard Specification for Hydrated Lime for Masonry Purposes 2018.

K. ASTM C216 - Standard Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale) 2022.

L. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2023.

M. ASTM A641/A641M - Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire; 2019 (Reapproved 2025).

N. ASTM A951/A951M - Standard Specification for Steel Wire for Masonry Joint Reinforcement; 2026.

O. ASTM C144 - Standard Specification for Aggregate for Masonry Mortar; 2019.

P. ASTM C150/C150M - Standard Specification for Portland Cement; 2024.

Q. ASTM C207 - Standard Specification for Hydrated Lime for Masonry Purposes; 2024.

R. ASTM C216 - Standard Specification for Facing Brick (Solid Masonry Units Made from Clay or Shale); 2026a.

S. TMS 402/602 - Building Code Requirements and Specification for Masonry Structures; 2022, with Errata (2024).

T. FS TT-S-230 - Sealing coumpound, synthetic rubber base, single component chemically Curing (For Caulking and Glazing in Building Construction); Current Edition.

U. FS TT - S-1543 - Sealing Compound; Silicone Rubber Base (For Caulking and Sealants); Current Edition.

V. TMS 402/602 - Building Code Requirements and Specification for Masonry Structures; 2022..

1.05 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meeting: Convene one week prior to commencing work of this section.
   1. Require attendance of parties directly affecting work of this section.
   2. Review conditions of installation, installation procedures, and coordination with related work.

1.06 SUBMITTALS

A. See Section 013300 - Submittal Procedures.

B. Product Data: Provide data on repointing mortar, brick anchors, and brick sealant, joint sealant.

C. Certifications for mortar components.

D. Samples: Submit four samples of face brick units to illustrate matching color, texture and extremes of color range.

E. Submit two samples of full range of sealant colors for selection by Architect.

1.07 QUALITY ASSURANCE - MASONRY WORK

A. Comply with provisions of TMS 402/602, except where exceeded by requirements of Contract Documents.

B. Restorer: Company specializing in masonry restoration with minimum five years of documented experience.

C. Source limitations: Obtain each type of material for masonry restoration(face brick, cement, sand, etc.) from one source with resources to provide materials of consisten queality in appearance and physical properties.

D. Cleaning and Repair Appearance Standard: Cleaned and repaired surfaces are to have a uniform appearance as viewed from 20 feet away by Architect. .

E. Supervision: The Contractor shall keep on the job at all times during the entire restoration and cleaning project, a competent and responsible supervisor, whom has had a minimum of five (5) years experience in this type of specialized work. All othere mechanics, excluding Laborers shall have had a minimum of three (3) years experience.

F. Joint Sealant Applicators: Sealants shall be installed only by mechanics with a minimum of four(4) years experience in sealant application.

1.08 MOCK-UPS

A. See Section 014000 - Quality Requirements for additional requirements.

B. Restore and repoint an existing masonry wall area sized 8 feet long by 6 feet high; include in mock-up area instances of mortar, accessories, and recaulking..

C. Locate where directed.

D. Acceptable panel and procedures employed will become the standard for work of this section.

E. Mock-up may remain as part of the Work.

1.09 DELIVERY, STORAGE, AND HANDLING

A. Deliver masonry neatly stacked and tied on pallets. Store clear of ground with adequate waterproof covering.

B. Store all materials in covered, well ventilated are protected from exposure to weather.

1.10 FIELD CONDITIONS - MASONRY WORK

A. Maintain materials and surrounding air temperature to minimum 40 degrees F prior to, during, and 48 hours after completion of masonry work.

B. Maintain materials and surrounding air temperature to maximum 90 degrees F prior to, during, and 48 hours after completion of masonry work.

1.11 WARRANTY

A. See Section 017700 - Closeout Procedures for additonal warranty requirements.

B. Warranty: Provide a written two (2) year installation warranty.

C. Joint Sealant Warranty: Manufacturer's 10 year warranty.

D. Brick Sealant Warranty: Manufacturer's 10 year warranty against failure to repel water. Manufacturer msut be contacted prior to installation, for testing tequired to achieve warranty.

PART 2 PRODUCTS

2.01 MORTAR MATERIALS

A. Comply with requirements of Section 042000.

2.02 POINTING MORTAR

A. Non-shrinking waterproof

2.03 MASONRY MATERIALS

A. Brick: Section 042000.

B. Mortar for installation of new brick, comply with requirements of Section 042000.

C. Water: Clean, potable.

2.04 BRICK ANCHORS AND TIES

A. Hohmann and Barnard 345-BT: Stainless Steel

B. Hohmann and Barnard Spira-Lok Helical Wall Tie; Stainless Steel.

C. Approved Equal

2.05 SEALANT FOR WINDOWS, DOOR FRAMES, LOUVERS, DUCTS & MISCELLANEOUS ITEMS

A. Equivalent to Dow Corning - 795 medium modulus, one part silicone sealant. Sealant shall comply with FS TT-S-1543, Class A, FS-S-230. Class A and ASTM C920, Type S, Grade NS, Class 50, Use NT, M, G, A and O.

2.06 BRICK SEALER

A. Cathedral Stone Products, Inc.: R-97 Water Repellent>

B. Approved equal.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that surfaces to be cleaned are ready for work of this section.

3.02 PREPARATION

A. Protect surrounding elements from damage due to restoration procedures.

B. Carefully remove and store removable items located in areas to be restored, including fixtures, fittings, finish hardware, accessories, and signage; reinstall upon completion.

C. Separate areas to be protected from restoration areas using means adequate to prevent damage.

D. Cover existing landscaping with tarpaulins or similar covers.

E. Mask immediately adjacent surfaces with material that will withstand restoration procedures.

F. Protect roof membrane and flashings from damage with 1/2 inch plywood laid on roof surfaces over full extent of work area and traffic route.

3.03 REPLACING BRICK

A. Salvage as many whole, undamaged bricks as possible by carefully removing, by hand, all bricks at locations indicated. Remove mortar and loose particles from salvated brick by cleaning with brushes and water. Store brick for reuse.

B. Cut out damaged and deteriorated brick with care including entire mortar joint around brick, in a manner to prevent damage to any adjacent remaining materials.

C. Deteriorated brick shall be defined as brick with cracks 1/16 inch or wider, brick with checked and crazed face and brick with face missing(spalled).

D. Rebuild areas with new or salvated brick to replace removed brick. Fit replacement units into bonding and coursing pattern of existing brick.

E. Support structure as necessary in advance of cutting out units.

F. Cut away loose or unsound adjoining masonry as directed.

G. Build in new units following procedures for new work specified in other section(s).

H. Mortar Mix: Colored and proportioned to match existing work.

I. Ensure that anchors are correctly located and built in.

J. Install built in masonry work to match and align with existing, with joints and coursing true and level, faces plumb and in line. Build in all openings, accessories and fittings.

3.04 REPOINTING

A. Perform repointing prior to cleaning masonry surfaces.

B. Examine joints of existing brick, both vertical and horizontal and test with hammer and chisel. Joints found to be loose, hollow, cracked, broked or otherwise structuralluy defective shall be cut out until firm mortar is reached, not less than 1 inch.

C. After cutting out, backfill any joints found to be deeper than 1 inch with mortar to a depth of 1".

D. Use power tools only after test cuts determine no damage to masonry units will result.

E. Do not damage masonry units.

F. When cutting is complete, remove dust and loose material with water jet.

G. Premoisten joint and apply mortar. Pack tightly in maximum 1/4 inch layers with a pointing tool. When mortar is thumbprint hard compress and tool joints to match existing adjacent mortar joints.

H. Moist cure for 72 hours.

3.05 REPLACEMENT OF EXISTING MORTAR OR SEALANT AT WINDOWS, DOOR FRAMES, LOUVERS, DUCTS AND MISCELLANEOUS ITEMS WITH NEW SEALANT

A. Remove 100% of existing sealant or mortar around windows, door frames, louvers, ducts and miscellaneous items indicated on drawings.

B. Work shall be performed without damage to surfaces, Should any damages occur, Contractor shall repair and refinish as required and approved by Architect.

C. Leave joints clean, ready to receive backer rod and sealant.

D. Install specified backer rod and sealant.

3.06 INSTALLING BACKER ROD AND SEALANT

A. Joint requirements
   1. Joint width to depth proportions: As recommended by sealant manufacturer.
   2. Regulate sealant depth in joints by use of proper backer rods.
   3. Backer rod size before insertion; As recommended by backer rod and/or sealant manufacturer for conditions encountered.
   4. Install backer rods observing manufacturer's precautions pertaining to punctures, folds and creases.

B. Priming: (Where recommended by manufacturer).
   1. Prime joints in which sealant is to be installed.
   2. Apply primer to confines of joint protecting adjacent exposed surfaces to prevent primer from staining surfaces not covered by sealant.
   3. Immediately remove primer splashed on adjacent surfaces following recomendations of primer manufacturer.
   4. Replace, at no additional cost to Owner, surfaces stained by primer.

C. Application:
   1. Fill joints from bottom to top by holding properly sized nozzle against bottom of joint. Superficial or skin bead, not acceptable.
   2. Properly tool sealant to assure correct bead configuration and maximum adhesion to sides of joints.
   3. Strike off excess material with tooling stick or knife.
   4. Unless otherwise indicated, finish bead fluch with surface.
   5. Remove excess materials and smears adjacent to joint as work progresses.
   6. Remove masking tape, if used, immediately following tooling of joints.

D. Acceptance:.
   1. Where sealant or material fails to adhere to sides of joint, remove and repeat installation procedures to insure properly sealed joints.
   2. Remove and replace selant material allowing passage of air and /or water or that has hardened, cracked, crumbled, melted, shrunk, run or stained adjacent surfaces.

3.07 PAINTING OF EXISTING EXTERIOR STEEL LINTELS AND BEAMS

A. Where existing metal surfaces are scheduled to receive new paint finish, clean surfaces free of dirt, dust, grease, oil, wax and other contaminates that would be detrimental to bond of new primer and paint finish. Where rust or scale is present, wire brush or sandpaper clean before painting. Apply appropriate primer to all areas to provide proper bond between existing and new finish painted surfaces.

B. Apply new primer and paint:

1. Paint: Equivalent to Sherwin-Williams Company.
   a. 1 coat - S-W Pro-Cryl Universal Water Based Primer.
   b. 2 coats - S-W Sher Cryl HPA, B66-300 Series Gloss or B66-350 Series Semi-Gloss.

3.08 CLEANING EXISTING MASONRY

A. Refer to Section 040110 - Masonry Cleaning

3.09 APPLICATION OF BRICK SEALER

A. Install brick sealer following manufacturer's instructions,

3.10 CLEANING

A. Immediately remove stains, efflorescence, or other excess resulting from the work of this section.

B. Remove excess mortar, smears, and droppings as work proceeds and upon completion.

C. Clean surrounding surfaces.

END OF SECTION 040100

SECTION 040110 - MASONRY CLEANING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

A. Section includes cleaning the following:

1. Brick surfaces.
2. Terra cotta surfaces.

1.3 DEFINITIONS

A. Very Low-Pressure Spray: Under **100 psi (690 kPa)**.

B. Low-Pressure Spray: **100 to 400 psi (690 to 2750 kPa)**

C. Medium-Pressure Spray: **400 to 800 psi (2750 to 5510 kPa)**

D. High-Pressure Spray: **800 to 1200 psi (5510 to 8250 kPa)**

1.4 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at **Project site**

1. Review methods and procedures related to cleaning masonry including, but not limited to, the following:

a. Verify masonry-cleaning equipment and facilities needed to make progress and avoid delays.
b. Materials, material application, and sequencing.
c. Cleaning program.
d. Coordination with building occupants.

1.5 SEQUENCING AND SCHEDULING

A. Work Sequence: Perform masonry-cleaning work in the following sequence:

1. Repair and/replace existing roofing, flashing, drains and leaders indicated.

2. Remove paint, stains and plant material from all masonry surfaces.
3. Rake out and repoint masonry as indicated on drawings.
4. Clean masonry surfaces.
5. Where water repellents are to be used on or near masonry, delay application of these chemicals until after cleaning

1.6 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include material descriptions and application instructions.
2. Include test data substantiating that products comply with requirements.

1.7 INFORMATIONAL SUBMITTALS

A. Cleaning program.

1.8 QUALITY ASSURANCE

A. Cleaner Manufacturer Qualifications: A firm regularly engaged in producing masonry cleaners that have been used for similar applications with successful results, and with factory-authorized service representatives who are available for consultation and Project-site inspection and on-site assistance.

B. Cleaning Program: Prepare a written cleaning program that describes cleaning process in detail, including materials, methods, and equipment to be used; protection of surrounding materials; and control of runoff during operations. Include provisions for supervising worker performance and preventing damage.

1. If materials and methods other than those indicated are proposed for any phase of cleaning work, add a written description of such materials and methods, including evidence of successful use on comparable projects and demonstrations to show their effectiveness for this Project.

C. Restoration Specialist: Work must be performed by a firm having not less than 5 years successful experience in comparable masonry restoration projects and employing personnel skilled in the restoration process and operations indicated.
1. An experienced Supervisor must be on site at all times while the masonry is being cleaned.

D. Mockups: Prepare mockups of cleaning on existing surfaces to demonstrate aesthetic effects and to set quality standards for materials and execution.

1. Cleaning: Clean an area [**approximately 25 sq. ft. (2.3 sq. m)**] for each type of masonry and surface condition.

a. Test cleaners and methods on samples of adjacent materials for possible adverse reactions. Do not test cleaners and methods known to have deleterious effect.

b. Allow a waiting period of not less than seven days after completion of sample cleaning to permit a study of sample panels for negative reactions.

2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.

1.9 FIELD CONDITIONS

A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit masonry-cleaning work to be performed according to product manufacturers' written instructions and specified requirements.

B. Clean masonry surfaces only when air temperature is 40 deg F (4 deg C) and above and is predicted to remain so for at least seven days after completion of cleaning.

PART 2 - PRODUCTS

2.1 CLEANING MATERIALS

A. Water: Potable.

B. Hot Water: Water heated to a temperature of 140 to 160 deg F (60 to 71 deg C).

C. Cleaning products shall be non-ionic, detergent-based masonry building wash for cleaning of soiling, dirt, and dust. Material shall be non-corrosive, non-toxic, and water soluble.
1. Products: The following shall be assumed to meet the quality and performance requirements specified:
a. E-Wash 30: Edison Coatings, Inc.,
b. Approved equal.

D. Cleaning products shall be biodegradable, biocide for cleaning of algae, mold, mildew, lichens, and air pollutants. Material shall contain no salts, acids, or chlorine. Materials shall be non-corrosive, non-toxic, water soluble, and pH neutral.
1. Products: The following shall be assumed to meet the quality and performance requirements specified:
a. D/2 Biologic Solution: D2 Biological Solutions, Inc.
b. Approved equal.

A. Efflorescence Remover: Cleaning products shall contain no hydrofluoric or hydrochloric acid, for cleaning of efflorescence from mortars based on lime putty, hydrated lime, natural hydraulic lime, natural cement, and portland cement. Material shall be water soluble.
a. Products: The following shall be assumed to meet the quality and performance requirements specified:
i. F-E-Gone 32: Edison Coatings, Inc.
ii. Approved equal.

2.2 ACCESSORY MATERIALS

A. Liquid Strippable Masking Agent: Manufacturer's standard liquid, film-forming, strippable masking material for protecting glass, metal, glazed masonry, and polished stone surfaces from damaging effects of acidic and alkaline masonry cleaners.
   1. Spray Blok 40: Edison Coatings Inc.
   2. Approved Equal

PART 3 - EXECUTION

3.1 PROTECTION

A. Comply with each manufacturer's written instructions for protecting building and other surfaces against damage from exposure to its products. Prevent cleaning solutions from coming into contact with people, motor vehicles, landscaping, buildings, and other surfaces that could be harmed by such contact.

   1. Cover adjacent surfaces with materials that are proven to resist cleaners used unless products being used will not damage adjacent surfaces. Use protective materials that are waterproof and UV resistant. Apply masking agents according to manufacturer's written instructions. Do not apply liquid strippable masking agent to painted or porous surfaces. When no longer needed, promptly remove masking to prevent adhesive staining.
   2. Do not apply cleaners during winds of enough force to spread them to unprotected surfaces.
   3. Neutralize alkaline and acid wastes before disposal.
   4. Dispose of runoff from operations by legal means and in a manner that prevents soil erosion, undermining of paving and foundations, damage to landscaping, and water penetration into building interiors.

B. Remove gutters and downspouts and associated hardware adjacent to immediate work area and store during masonry cleaning. Reinstall when masonry cleaning is complete.

   1. Provide temporary rain drainage during work to direct water away from building.

3.2 CLEANING MASONRY, GENERAL

A. Cleaning Appearance Standard: Cleaned surfaces are to have a uniform appearance as viewed from **20 feet (6 m)** away by Architect.

B. Proceed with cleaning in an orderly manner; work from bottom to top of each scaffold width and from one end of each elevation to the other. Ensure that dirty residues and rinse water do not wash over dry, cleaned surfaces.

C. Use only those cleaning methods indicated for each masonry material and location.

   1. Use least aggressive process, to achieve cleaning appearance standard.

2. Brushes: Do not use wire brushes. Use only brushes that will not damage masonry.
3. Spray Equipment: Use spray equipment that provides controlled application at volume and pressure indicated, measured at nozzle. Adjust pressure and volume to ensure that cleaning methods do not damage surfaces, including joints.

    a. Equip units with pressure gages.
    b. For cleaner spray application, use low-pressure tank or chemical pump suitable for cleaner indicated, equipped with nozzle having a cone-shaped spray.
    c. For water-spray application, use fan-shaped spray that disperses water at an angle of 25 to 50 degrees.
    d. Do not high-pressure water-spray application.
    e. For heated water-spray application, use equipment capable of maintaining temperature between 140 and 160 deg F (60 and 71 deg C) at flow rates indicated.

D. Perform each cleaning method indicated in a manner that results in uniform coverage of all surfaces, including corners, moldings, and interstices, and that produces an even effect without streaking or damaging masonry surfaces. Keep wall wet below area being cleaned to prevent streaking from runoff.

E. Perform additional general cleaning, paint and stain removal, and spot cleaning of small areas that are noticeably different when viewed according to the "Cleaning Appearance Standard" Paragraph, so that cleaned surfaces blend smoothly into surrounding areas.

F. Water Application Methods:

1. Water-Soak Application: Soak masonry surfaces by applying water continuously and uniformly to limited area for time indicated. Apply water at low pressures and low volumes in multiple fine sprays using perforated hoses or multiple spray nozzles. Erect a protective enclosure constructed of polyethylene sheeting to cover area being sprayed.
2. Water-Spray Applications: Unless otherwise indicated, hold spray nozzle at least 6 inches (150 mm) from masonry surface and apply water in horizontal back-and-forth sweeping motion, overlapping previous strokes to produce uniform coverage.

G. Cleaner Application Methods: Apply cleaners to masonry surfaces according to cleaner manufacturer's written instructions; use brush or spray application. Do not spray apply at pressures exceeding 50 psi (345 kPa). Do not allow cleaners to remain on surface for periods longer than those indicated or recommended in writing by manufacturer.

H. Rinse off cleaner residue and soil by working upward from bottom to top of each treated area at each stage or scaffold setting. Periodically during each rinse, test pH of rinse water running off of cleaned area to determine that chemical cleaner is completely removed.

1. Apply neutralizing agent and repeat rinse if necessary to produce tested pH of between 6.7 and 7.5.

I. After cleaning is complete, remove protection no longer required. Remove tape and adhesive marks.

3.3 PRELIMINARY CLEANING

A. Removing Plant Growth: Completely remove visible plant, moss, and shrub growth from masonry surfaces. Carefully remove plants, creepers, and vegetation by cutting at roots and allowing remaining growth to dry as long as possible before removal. Remove loose soil and plant debris from open joints to whatever depth they occur.

B. Preliminary Cleaning: Before beginning general cleaning, remove extraneous substances that are resistant to planned cleaning methods. Extraneous substances include paint, calking, asphalt, and tar.

1. Carefully remove heavy accumulations of rigid materials from masonry surface with sharp chisel. Do not scratch or chip masonry surface.
2. Remove paint and calking with alkaline paint remover.
   a. Repeat application up to two times if needed.

3. Remove asphalt and tar with solvent-type paste paint remover
   a. Apply paint remover only to asphalt and tar by brush without prewetting.
   b. Allow paint remover to remain on surface for 10 to 30 minutes.
   c. Repeat application if needed.

3.4 CLEANING MASONRY

A. Cold-Water Wash: Use cold water applied by low/medium pressure spray.

B. Hot-Water Wash: Use hot water applied by low/medium-pressure spray.

C. Detergent Cleaning:

1. Wet surface with cold/hot water applied by low-pressure spray.
2. Scrub surface with detergent solution using medium-soft brushes until soil is thoroughly dislodged and can be removed by rinsing. Use small brushes to remove soil from mortar joints and crevices. Dip brush in solution often to ensure that adequate fresh detergent is used and that surface remains wet.
3. Rinse with cold water applied by low pressure spray to remove detergent solution and soil.
4. Repeat cleaning procedure above where required to produce cleaning effect established by mockup.

D. Mold, Mildew, and Algae Removal:

1. Wet surface with cold/hot water applied by low-pressure spray.

2. Apply mold, mildew, and algae remover by brush or low-pressure spray.
3. Scrub surface with medium-soft brushes until mold, mildew, and algae are thoroughly dislodged and can be removed by rinsing. Use small brushes for mortar joints and crevices. Dip brush in mold, mildew, and algae remover often to ensure that adequate fresh cleaner is used and that surface remains wet.
4. Rinse with cold water applied by low pressure spray to remove mold, mildew, and algae remover and soil.
5. Repeat cleaning procedure above where required to produce cleaning effect established by mockup.

3.5 FIELD QUALITY CONTROL

A. Manufacturer's Field Service: Engage cleaner manufacturer's factory-authorized service representatives for consultation and Project-site inspectionand provide on-site assistance when requested by Architect. Have cleaner manufacturer's factory-authorized service representatives visit Project site not less than once to observing progress and quality of the work.

3.6 FINAL CLEANING

A. Clean adjacent nonmasonry surfaces of spillage and debris. Use detergent and soft brushes or cloths.

B. Remove debris from gutters and downspouts. Rinse off roof and flush gutters and downspouts.

C. Remove masking materials, leaving no residues that could trap dirt.

END OF SECTION 040110

SECTION 049020-TERRA COTTA MASONRY RESTORATION

PART 1-GENERAL

1.1 SUMMARY OF WORK

A. Extent of masonry restoration work is as shown on the Drawings and as specified herein.

1. The drawings endeavor to show the extent of masonry restoration work required. The contractor shall review the Drawings, Photographs and make a Pre-bid field visit to verify all work whether shown or not shown on the Drawings.

B. The work includes, but is not limited to:

1. Repairing hairline cracks, microscopic cracks, cracks and voids in terra cotta trim.
2. Patching terra cotta trim.
3. Repairing glaze spalls.
4. Re-pointing mortar joints.
5. Re-glazing of terra cotta.

C. Related work described elsewhere:

1. Section 040110 – Masonry Cleaning
2. Section 079200 - Joint Sealants

1.2 QUALITY ASSURANCE

A. Restoration Specialist: Work must be performed by a firm having not less than 5 years successful experience in comparable masonry restoration projects and employing personnel skilled in the restoration process and operations indicated.

1. Only skilled journeymen masons who are familiar and experienced with the materials and methods specified and are familiar with the design requirements shall be used for masonry restoration.

2. One skilled journeyman mason, trained and Certified by the specified terra cotta repair system manufacturer, shall be present at all times during masonry restoration and shall personally direct the work.

B. Field -Construction Mock-ups: Prior to start of general masonry restoration, prepare the following sample panels and sample areas on building where directed by Architect. Obtain Architect's acceptance of visual qualities before proceeding with the work. Retain acceptable panels in undisturbed condition, suitably marked, during restoration as a standard for judging completed work.

2. Repairs Mock-up: Prepare a sample area eight linear ft. in length demonstrating patching, repair, repointing and sealant application. Sample shall be tested on an inconspicuous area of building.

    a. Crack Repair: hairline cracks, microscopic cracks, cracks and voids larger than 1/8". Repair shall demonstrate methods and quality of workmanship expected for crack repair.

    b. Patching: Patching shall demonstrate methods and quality of workmanship expected of repair work.

    c. Masonry Repair: Terra cotta indicated to be patched/ restored/repaired, in location as directed by Architect, to demonstrate quality of materials and workmanship.

    d. Re-pointing: Show two samples, one for demonstrating methods and quality of workmanship expected in removal of mortar from joints and the other for demonstrating quality of materials and workmanship expected in pointing mortar joints. Sample areas shall be located in an inconspicuous yet readily accessible place

3. Re-coating: Prepare separate sample area of approximately 4 linear ft. demonstrating coating application method and appearance.

4. Patching, Re-pointing and coating work: The samples of each type of repair work shall be done in an area that will be exposed to the same weathering conditions as the building. Allow samples to cure at least three days before obtaining acceptance of color, texture and detailing match. Samples shall be viewed from an approved distance.

D. Source of Materials: Obtain materials for patching, coating, sealing, crack repair and re-pointing from a single manufacturer source to ensure match quality, color, texture and detailing.

1.3 SUBMITTALS

A. Product Data: Submit manufacturer's technical data for each product specified including recommendations for their application and use. Include test data and certifications substantiating that products comply with requirements.

B. Submit the following items in time to prevent delay of the work and to allow adequate time for review and resubmittals, if needed. Do not order materials or start work before receiving the written approval:

1. Written certificates from the patching materials manufacturer should be submitted stating that all installers of the patching material have successfully completed a training workshop for installation of the patching material, or have met alternative workmanship

qualifications acceptable to the manufacturer, or provide written certification from the manufacturer that on-site training services have been contracted for.

2. Product data for all specified materials.

3. Certificates, except where the material is labeled with such certification, by the producers, of the materials, that all materials supplied comply with all the requirements of these specifications and the appropriate standards.

4. Color-match patch samples fabricated on pieces of appropriate masonry from or on the building using the specified repair mortar as required.

C. Restoration Program: Submit written program for restoration process including protection of surrounding material on building and site during operations. Describe in detail material, methods and equipment to be used for each phase of restoration work.

1.4 DELIVERY, STORAGE AND HANDLING:

A. Deliver materials to site in manufacturer's original unopened containers and packaging, bearing labels as to type and names of products and manufacturers.

B. Deliver and store restoration material in manufacturer's original, unopened containers with the grade, batch and production data shown on the container or packaging.

C. Protect restoration materials during storage and construction from wetting by rain, snow or ground water, and from staining or intermixture with earth or other types of materials.

D. Protect grout, mortar and other materials from deterioration by moisture and temperature. Store in a dry location or in waterproof containers. Keep containers tightly closed and away from open flames. Protect liquid components from freezing. Comply with manufacturer's recommendations for minimum and maximum temperature requirements for storage.

F. Comply with the manufacturer's written specifications and recommendations for mixing, application, and curing of grouts and patching materials.

1.5 PROTECTION / SITE CONDITIONS

A. Protect persons, motor vehicles, building site and surrounding buildings from injury resulting from masonry restoration work.

B. Clean masonry surfaces only when air temperatures are above 40 degrees F (4 deg. C) and will remain so until masonry has dried out, but for not less than 7 days after completion of cleaning.

C. Do not perform any masonry patching unless air temperatures are between 40 degrees Fahrenheit (10 deg. C) and 90 degrees Fahrenheit (32deg. C) and will remain so for at least 48 hours after completion of work.

D. Prevent masonry patching materials from staining the face of masonry or other surfaces to be left exposed. Immediately remove all patching materials that come in contact with such surfaces.

E. Cover partially completed work when work is not in progress.

F. Protect sills, ledges and projections from droppings.

1.6 SEQUENCING / SCHEDULING:

A. Perform masonry restoration work in the following sequence:

1. Repair and/or replace existing roofing, flashing, drains and leaders as indicated.

2. Remove paint, stains and plant material from all masonry surfaces.

3. Rake-out existing mortar from joints of masonry indicated to be restored.

4. Re-point existing mortar joints of masonry indicated to be re-pointed.

5. Pressure-wash building exterior.

6. Patch and repair existing terra cotta structures as indicated, including replacing damaged masonry units with new masonry units where indicated.

7. Provide water repellent treatment for masonry structures as indicated.

PART 2 – PRODUCTS

2.2 REPOINTING MORTAR MATERIALS:

A. Re-pointing mortar shall be a pre-mixed, pre-colored cement-lime based mixture formulated to comply with the requirements of ASTM C-270 Type N mortar.

1. Products: The following shall be assumed to meet the quality and performance requirements specified:

a. "SPEC-JOINT 46", by Edison Coatings
b. Approved equal.

2.3-1 CRACK REPAIR MATERIALS – NON-WORKING

A. Flexible epoxy crack sealant for use on cracks from 1/32 inch to 1/8 inch shall be a 100% solids two-component epoxy-urethane-acrylate paste with minimum 10% elongation, 300 psi direct tensile bond strength and 10,000 psi tensile strength.

1. Products: The following shall be assumed to meet the quality and performance requirements specified:

    a. FLEXI-FILL 530, Edison Coatings, Inc.
    b. Approved equal

2.3-2 CRACK REPAIR MATERIALS – WORKING

Working cracks shall be evaluated by a qualified structural engineer licensed in New York state and the cause of the cracking remedied before repair. Once considered safe by the engineer, working cracks can be detailed.

A. Flexible acrylic crack sealant for use on cracks 1/32 inch to 1/16 inch with a minimum of 300% elongation, 200 psi tensile strength, and 12 perms of vapor permeability.

    1. Products:

        a. ELASTOMASTIC 352, Edison Coatings, Inc.
        b. Ajpproved equal.

B. Flexible acrylic crack sealant for use on cracks 1/8 inch to 1/4 inch with a minimum of 125% elongation, 200 psi tensile strength, and 10 perms of vapor permeability.

    1. Products:

        a. ELASTOFILL 354 - Edison Coatings, Inc.
        b. Approved equal.

2.4 PATCHING MATERIALS:

A. Patching materials shall be premixed, two-component cementitious materials with self-cross-linking acrylic latex modifier, formulated to match the color and texture of the existing terra cotta. Materials must be vapor permeable, frost and salt resistant, shall develop direct tensile bond strength of 150 psi minimum, shall exhibit less than 0.06% drying shrinkage, and shall have a linear coefficient of thermal expansion of 0.000004 to 0.000007 inches/inch per degree Fahrenheit. Materials shall be compatible with substrate, including but not limited to porosity, tensile, and compressive strength. Modulus of elasticity shall be 65,000 to 100,000 psi. Non-latex mortars shall be unacceptable.

1. Products: Subject to compliance with requirements, provide the following:

    a. Deep repairs to terra cotta bisque of ¼” or greater thickness:
        a. Custom System 45; Edison Coatings, Inc.
        b. Approved equal.

    b. Thin-section glaze-spall repair and surface profiling of thin repairs of 1/8” or less thickness:
        a. Thin Fill 55: Edison Coatings, Inc.

b. Approved equal.

2.5 RUST INHIBITIVE COATING/PRIMER

A. Rust inhibitor/primer for steel anchors shall be a pre-packaged, 2-component, acrylic latex modified silica fume-cement mortar.

1. Products: Subject to compliance with requirements, provide the following:

a. SYSTEM 49 CPBA : Edison Coatings, Inc.
b. Approved equal.

2.7 GLAZE REPLACEMENT

A. Breathable Matte-Finish Coating: Breathable matte-finish coating shall be a one-component, internally plasticized acrylic elastomer, with min. 160% elongation at 75 degrees Fahrenheit and 80% elongation at 0 degrees Fahrenheit. Minimum solids content shall be 70%. Glass transition temperature shall be a maximum of 15 degrees below zero Fahrenheit.

1. Products: Subject to compliance with requirements, provide the following:

a. ELASTOWALL 351: Edison Coatings, Inc.
b. Approved equal.

PART 3 – EXECUTION

3.1 CLEANING EXISTING MASONRY AND STONE

A. General:

1. Refer to Section 040110 – Masonry Cleaning for cleaning of terra cotta.

2. Do not begin repairs until terra cotta is completely driy.

3.2 WORKMANSHIP OF PATCHING MATERIAL:

A. Patching material workmanship shall comply with all applicable recommendations of material manufacturer's written specifications and requirements and/or as modified in this and following sections.

B. Mixing of patching material: Mix the patching material in accordance with Manufacturer's printed instructions.

C. Do not use any additives, such as bonding agents, accelerators, or retarders, in the patching material without prior written approval from the Manufacturer.

3.3 SURFACE PREPARATION: (for all patching work)

A. Patching and repair work for spalled terra cotta shall be accomplished with the approved patching material, according to manufacturer's printed instructions and as specified herein.

B. At areas to receive patches, remove all loose, spalled and deteriorating materials. If required cut away an additional 1/4 to 1/2 inch of the substrate that may be in the process of deteriorating and to ensure the surface to be patched is solid and stable. "Sound" substrate with a hammer to verify its integrity.

C. Remove any soil, mortar, dust, salts and other foreign material from areas to receive patching compound.

D. Once the deteriorated material in a spalled area has been removed, rust on any exposed anchors must be removed by wire brush or local sandblasting. Remove material around steel anchor to provide a minimum of 1/2 inch clearance. Apply approved rust-inhibitive bonding agent to cleaned reinforcement.

E. Remove anchors that are severely corroded, loose or are of no structural value. Removal shall be done upon evaluation of the field condition and approval by the Architect or Engineer licensed in New York state. Repair damage to substrate resulting from removal by patching with the approved patching material.

F. Cut out sections shall be squared off at the edges. Do not overcut corners of the patch; stop short of corner and chip out remainder by hand without damaging surrounding masonry. Do not allow any feathered edges in the patch areas.

G. For very dry or porous surfaces, pre-wet the substrate ahead of time to prevent the substrate from drawing moisture out of the patch too quickly. Re-wet the surface just before applying the patching material.

3.4 DEEP/BISQUE PATCHING REPAIR WORK:

A. Prepare and mix patching material in accordance with manufacturer's directions. Prepare and mix a slurry coat consisting of 3 parts patching material dry component and one part liquid component. Apply to prepared and pre-dampened cavity by brush, working slurry into corners, edges and surface depressions. Apply as a thin coating only, avoiding heavy build-up or filling of surface depressions.

B. Patching material shall be applied by trowel, casting-in-place or other techniques recommended by approved materials manufacturer for each specific field condition.

C. Air, surface and product temperature must all be above minimum temperature of 40 deg F (10 deg C) at time of application and must be maintained above minimum until product has dried thoroughly.

D. When patching by hand, apply patching material while slurry coat is still soft and damp. Apply patching material in one layer or several layers according to the depth of the repairs. Comply with manufacturer's instructions when applying multiple layers for thickness of each layer, setting-up time for each layer, surface preparation between layers, etc., to ensure sound adhesion between layers.

E. For repairs not subject to subsequent application of reprofiling mortar, final application of repair mortar shall be at the desired surface level and shall be tooled, shaped or carved as required to achieve proper surface profile and texture. Surfaces shall be tooled to replicate the texture, and detailing of the original surface. Do not sponge float the patch. Keep tools clean by frequent washing in clean water, but remove excess water to avoid introducing water into patch surfaces.

F. Under hot conditions, as directed by Manufacturer, cover and cure repaired areas in accordance with manufacturer's directions. Keep patches moist and out of direct sun for at least the first day.

G. To avoid rapid evaporation, do not patch in direct sunlight. If necessary, cover work with tarpaulin or wet burlap.

3.5 PATCHING FOR OVERHANGING REPAIR:

A. At areas of large, deep and overhanging repairs the installation of mechanical keying or anchoring is required. The decision whether to anchor and how frequently to provide anchors shall be determined by a Structural Engineer licensed in New York state. Typical procedures are outlined in this section and shall be modified as recommended.

B. Drill 1/4" to 1/2" diameter holes at various angles, spaced 4 to 6 inches apart in staggered rows. Clean holes using compressed, oil-free air.

C. Insert threaded stainless steel rods into drilled holes. At least 3/4" of patching material is to be placed over the rods, which are to be secured into the holes with the specified adhesive.

D. Prepare and mix patching material in accordance with manufacturer's directions. Comply with all safety precautions, environmental limitations and work time limitations.

E. Dampen patch area immediately prior to application of patching material to create a good bond. Using a masonry brush, apply bondcoat to patch area, working into corners, edges and profile. Apply bond coat only to area of patch that can be covered with patch material mix before bond coat dries. Work bond coat into pieces of the substrate and under and around mechanical anchors. Do not apply excess bond coat. Do not allow bond coat material to run down onto surfaces which will not be repaired.

F. Apply patching material to deep sections by building up in a series of multiple lifts. Comply with manufacturer's instructions for thickness of each layer, setting-up time for each layer, and surface preparation between layers to ensure sound restoration. Work patching material into all corners of repair area and under and around mechanical anchors; including the existing coated reinforcements.

G. For repairs not subject to subsequent application of reprofiling mortar, final application of repair mortar shall be at the desired surface level and shall be tooled, shaped or carved as required to achieve proper surface profile and texture. Surfaces shall be tooled to replicate the texture, and detailing of the original surface. Do not sponge float the patch. Keep tools clean by frequent washing in clean water, but remove excess water to avoid introducing water into patch surfaces. To re-create original ornamentation, if applicable, apply an extra-thick patch. Then after the patch is partially cured the patching material shall be carved, using molding profiles

and/or straight edges to restore original ornamentation. In all cases, finish patch so that it is as indistinguishable as possible from adjacent surfaces.

H. Clean any patching material residue from area surrounding the patch by sponging as many times as necessary with clean water. This should be done before patching material sets.
I. Moisten, cover and cure repaired areas in accordance with manufacturer's directions.

3.6 REPROFILING MORTAR APPLICATION

A. For thin glaze-spalls over sound bisque, re-profiling mortar may be applied directly to prepared bisque surfaces. After sounding with a wooden mallet to identify all glaze delaminations, scrape or grind to remove unsound glaze materials. Chip at least ¼” beyond the area of delamination to assure that marginally-adhered glaze is removed.

B. For re-profiling mortar applications over bisque repair mortar, the deep repairs should be finished with a rough, shaved profile 1/8 to 1/4 inch below the final profile.

C. Dampen patch area immediately prior to application of patching material to create a good bond. Prepare and mix patching material in accordance with manufacturer's directions. Apply and compact re-profiling mortar, slightly over-building the surface.

D. Sand patches level after initial set. Using #60 grit non-burnishing sanding media, remove all ridges and trowel marks.

E. For fluted or striated finishes, tool surfaces immediately after coarse sanding.

F. For smooth finishes, perform a second surface sanding using #220 grit non-burnishing sanding media.

3.7 REPAIRING CRACKS AND VOIDS

A. Prepare cracked area in accordance to manufacturer's written instructions. Typical procedures are outlined in this section and shall be modified according to approved materials manufacturer.

B. Crack repair for microscopic cracks:

1. Coat all designated areas exhibiting microscopic cracking and crazing using the specified glaze replacement coating.

C. Crack repair for cracks wider that 1/32" and les than 1/8”:

1. Using a Dremel tool and narrow cutting blade, slightly enlarge the surface of the crack to a 1/8 inch wide x 1/4 inch deep groove.

2. Mix and apply flexible epoxy sealant, tooling into the face of the crack and forcing the material into the cavity to achieve complete fill. Adjacent surfaces should be masked if required to prevent any smears from bonding to masonry surfaces.

3. Once the sealant has reached initial cure, slice off excess sealant, leaving a repair that is clean and flush with adjacent surfaces.

D. Cracks wider than 1/8 inch:

1. Remove loose and spalling materials, cut into crack to a minimum depth of ½ inch and a width of 1/4 inch. If embedded reinforcements are rusted then cut-material deep enough to expose the rusting reinforcements and remove material around reinforcement to provide a minimum of 3/4 inch clearance for patch material.

2. Clean and coat exposed reinforcements at patch work with an approved rust-preventative agent.

3. Fill enlarged areas of crack repair with patching material, following repair procedures outlined in this section under Part 3.

3.8 GLAZE REPLACEMENT COATING

A. Prior to the application of glaze replacement coating all surfaces must be prepared in accordance with this section of the specifications. The result of this preparation shall render a surface clean, meaning having complete exposure of sound surface without any deposits of contaminants, coatings, compounds, laitance or foreign matter which could affect the bond between the surface and glaze replacement coating materials.

B. Surfaces to receive glaze replacement coating must be surface-dry prior to coating.

C. All caulking, patching, crack repair materials and joint sealants should be installed prior to application of the glaze replacement coating. New reprofiling mortars shall have through-dried before coating application. Deep patching materials shall have cured a minimum of 3-5 days prior to application, or longer, as required to through-dry.

D. Apply the primer and/or coatings selected for use in accordance with manufacturer’s instructions.

1. If primer has been selected for use, apply primer at specified coverage rate to clean, dry or damp surfaces using brush, roller or airless spray. Allow primer to through-dry to a tack-free, tough film prior to top coating.

2. Matte-finish coatings shall be applied to dry surfaces by phenolic core roller or airless spray at a rate of 100-125 sq. ft. per gallon. Product shall be applied as evenly as possible at 14 - 16 mils wet film thickness.

3. Terra cotta glaze coatings shall be applied by roller, brush or airless spray as required to achieve appearance matching original glazes. On applications extending onto existing terra cotta glaze follow instructions for incorporation of bonding additive into the coating, and discard any unused coating mixed with bonding additive that is not applied within 8 hours.

4. Allow the first coat to dry-through completely prior to second coat application. Through-dry coating will be seen as tough, firm, tack-free material which does not

extrude or appear to be "skinned over". Cure times are affected by temperature, porosity of the substrate, wind, relative humidity, and direct sun vs. shade. No curing will occur if relative humidity is above 95%.

5. Protect all uncured surfaces from rain, dirt, traffic and wind-blown debris for at least 24 hours after application. For horizontal/traffic bearing surfaces, coating should be tack-free and through-cured before subjecting to traffic or immersion. Cure rate is affected by temperature and other application parameters.

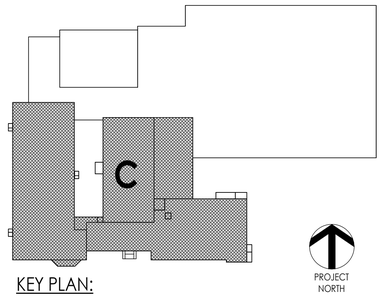
3.9 FINAL INSPECTION & CLEANING

A. All patches shall be inspected for soundness and finish prior to coating. Unacceptable patches are defined as those with hairline cracks or showing separation from repair edges, or on which "hollow spots" can be detected by light impact. Remove unsound patches and refill to provide patches free of those defects.

B. Final Cleaning: No steam cleaning or additional pressure cleaning shall be performed within 28 days of patch installation. No acid or alkali cleaning agents shall be used except as directed by the repair system manufacturer.

END OF SECTION 040290





FLOOR PLAN GENERAL NOTES

1. ALL DRAWINGS ARE GRAPHIC REPRESENTATIONS OF APPROXIMATE LOCATIONS OF NEW MATERIALS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. ALL WALL DIMENSIONS INDICATED ON FLOOR PLANS ARE FROM FACE OF FINISH TO FACE OF FINISH UNLESS OTHERWISE NOTED.
3. SEE SHEET **A400** FOR INTERIOR PARTITION TYPES.
4. SEE **A900s** FOR INTERIOR AND EXTERIOR DOORS, WINDOWS, CURTAINWALLS, AND STOREFRONTS.
5. WORK AREAS SHALL BE MAINTAINED AND ALL WORK AREAS SHALL BE LEFT BROOMED CLEAN AT END OF EACH DAY.
6. COORDINATE WITH OTHER TRADES FOR SEQUENCING OF WORK.
7. REFER TO **A400** FOR TYPICAL FIXTURE MOUNTING HEIGHTS AND ACCESSORIES LEGEND.
8. REFER TO **A400** FOR FURNISH AND INSTALL SCOPE OF EQUIPMENT AND ACCESSORIES.
9. EQUIPMENT SHOWN ON THESE DOCUMENTS ARE FOR REFERENCE ONLY AND ARE FOR COORDINATION OF M.E.P INFRASTRUCTURE TO OPERATE ITEMS INCLUDED UNDER THE SCOPE.
10. REFER TO OWNER FURNISHED EQUIPMENT DRAWINGS AND SUBMITTALS FOR FINAL COORDINATION AND INSTALLATION REQUIREMENTS INCLUDING BUT NOT LIMITED TO: DIMENSIONS, LOCATIONS & MEP CONNECTION LOCATION.
11. ALL FURNITURE IS PROVIDED BY OWNER UNLESS NOTED OTHERWISE.
12. PATCH AND FINISH ALL EXISTING WALLS TO REMAIN WITHIN THE PROJECT LIMIT AREA TO RECEIVE SPECIFIED FINISHES.
13. ALL EXISTING EXPANSION JOINT COVERS OR ASSEMBLIES ARE TO BE PROTECTED AND MAINTAINED DURING THE COURSE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
14. PROVIDE CONCRETE FLOOR PATCH AND FLOOR LEVELING AT EXISTING CONCRETE FLOORS FOR NEW FINISHES.

FLOOR PLAN LEGEND

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

- **ROOM NAME** / H1234.2 / 150 SF / 10'-0" x 10'-0" — ROOM TAG
- XXX — WALL TYPE TAG SEE A/400
- XXX — DOOR TAG
- EXISTING WALL TO REMAIN
- PROVIDE AND INSTALL NEW A61 WALL TO UNDER SIDE OF DECK. SEE KEY NOTE 3
- EXTEND EXISTING WALL TO UNDERSIDE OF DECK. SEE KEY NOTE 4
- EXISTING DOOR.
- ## — PROVIDE NEW DOOR. REFER TO SHEET A900.
- PROVIDE NEW VTC FLOOR FINISH TO MATCH EXISTING.

FLOOR PLAN KEY NOTES

1. NEW CHASE WALL. MATCH EXIST. FINISH, COORD. W/ ELECT. & MECH. DWGS. REFER TO SHEET A400.
2. INSTALL NEW LOUVER. COORD. W/ MECH. DWGS.
3. PROVIDE NEW A61 WALL TO UNDER SIDE OF EXISTING DECK. PREP AND PAINT SW 6126 NAVAJO WHITE, WITH 4" RUBBER COVE BASE TARKETT DURACOVE CHARCOAL ON BOTH SIDES OF WALL.
4. EXTEND EXISTING PARTITION TO UNDER SIDE OF EXISTING DECK, PREP AND PAINT NEW GYP BRD. INSTALL 4" RUBBER COVE BASE TARKETT DURACOVE CHARCOAL, AT CORRIDOR SIDE OF PARTITION.
5. REINSTALL MIRROR.

1 A203 — **NEW WORK FIRST FLOOR PLAN - AREA C**
1/8" = 1'-0"

PROJECT NORTH

11/14/2026 12:04:40 PM <project location>\D Design & Project Files on BIM 360

CPL | Architecture Engineering Planning
2875 Route 35 Suite 75-1,
Katonah, NY 10536
CPLteam.com
NY ENGINEERING FIRM CERTIFICATE #018330

PROJECT INFORMATION

Project Number
R23.15291.00

Client Name
MONROE WOODBURY CSD

Project Name
EXTERIOR MOD, BOILER / AC, FIRE ALARM, PA & CLOCKS

District Office Address
278 ROUTE 32, CENTRAL VALLEY, NY 10917

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
	10/23/2026	ISSUE FOR BID
1	11/16/2026	ADDENDUM #3

Monroe-Woodbury Central School District
- NORTH MAIN ES - SED# 44-12-01-06-0-002-011
- NORTH MAIN ES - SED# 44-12-01-06-0-002-012

REGISTRATION EXPIRATION DATES

David Hunsberger	12/31/28
Anthony Marchetti	05/31/27
Dave Hart	02/28/28
Jennifer Wengender	06/30/27
Larry Werts	12/31/27
James Basile	05/31/29

PROFESSIONAL STAMPS

NEW YORK STATE EDUCATION STATEMENT

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR SURVEYOR, TO ALTER ANY ITEM ON THIS PLAN IN ANY WAY. IF ANY BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED, THE ALTERING PARTY SHALL AFFIX TO THE ITEM THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SHEET INFORMATION

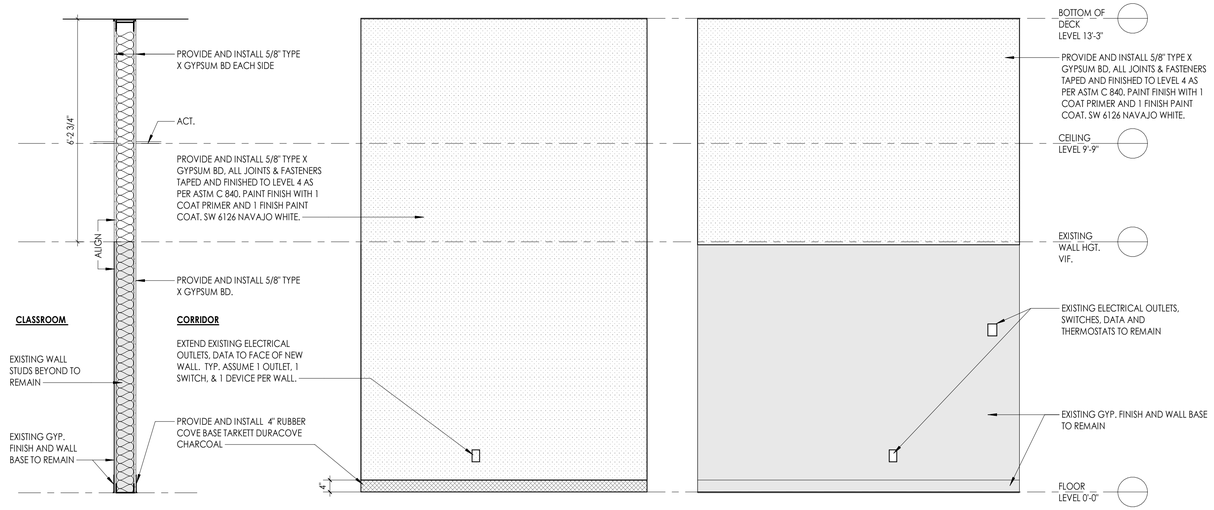
Issued	Scale
08/22/2025	As indicated

Project Status
BID DOCUMENTS

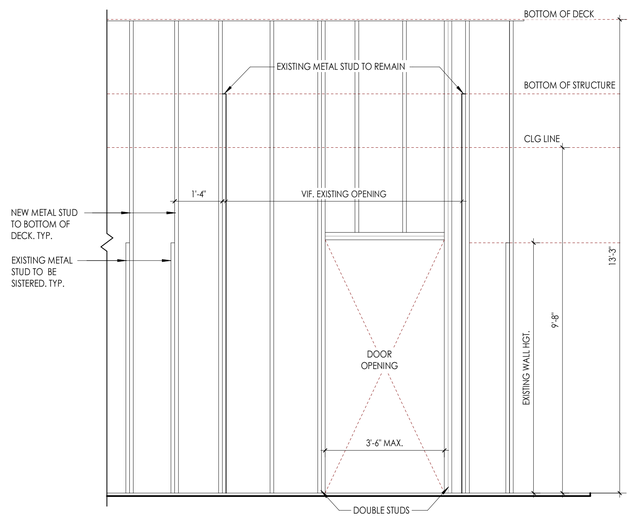
Drawn By	Checked By
CT	TH

Drawing Title
FIRST FLOOR NEW WORK PLAN - AREA C

Drawing Number
NMES
A203

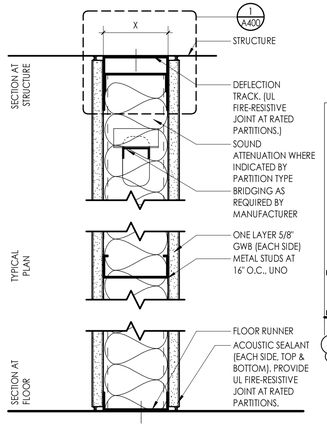


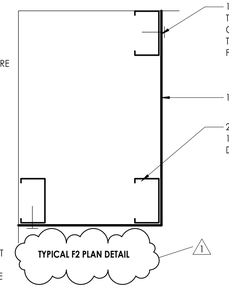
4 WALL INTERIOR ELEVATION
A400 — 1/2" = 1'-0"



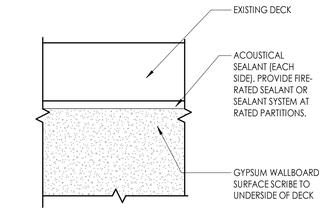
NOTES:
1. DETAILS SHOWN ASSUME STUDS ARE SPACED 16" O.C.
2. ALL STUDS SHALL BE 'C' STUDS WITH 1-1/4" RETURN FLANGE, MINIMUM.
3. DOUBLE STUDS AT SIDES OF OPENING SHALL NOT BE CUT FOR DUCTWORK OR ANY OTHER MECHANICAL SYSTEMS.

2 NEW WALL FRAMING TYP. DETAIL
A400 — 1/2" = 1'-0"

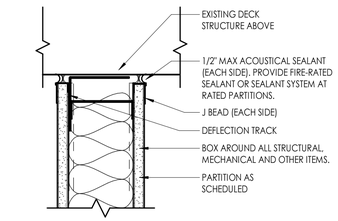




TYPE	STRUC [x]	FIRE RATING	UL OR EQ LAB DESIGN NO.	SOUND ATTENUATED	STC TEST NUMBER
A3i.1	3-5/8"	1HR	U438 / U465	YES	STC 46 - NGC 2018106
A6i.1	6"	1HR	U465	YES	STC 50 - NGC 2017031

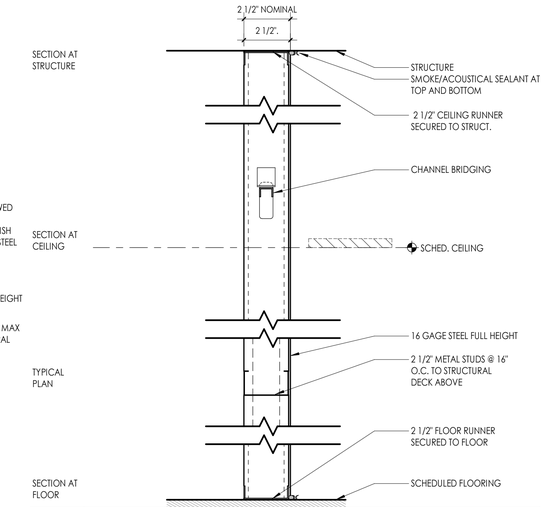


ELEVATION
NOTE: SIMILAR DETAIL AT BEAMS, WAFFLE SLABS AND FLAT SLABS.



SECTION
NOTE: SIMILAR DETAIL AT BEAMS, WAFFLE SLABS AND FLAT SLABS.

1 GWB SCRIBE DETAILS
A400 — 3" = 1'-0"



TYPE	STC TEST NUMBER &/OR FIRE TEST LAB DESIGN TEST NUMBER	FIRE RATING	STC	NOTES
F2		NR	NA	

NOTE: FURRING EXCEEDING 8FT IN HEIGHT SHALL BE BRACED AT 8FT O.C. BACK TO STRUCTURE. PROVIDE ATTACHMENT CLIPS AT FIRE PROOFING.

PARTITION GENERAL NOTES

NOTE: ALL WALL TYPES MAY NOT BE USED ON THIS PROJECT.

PARTITION FRAMING NOTES:
1. ANY PARTITION NOT DESIGNATED WITH A PARTITION TAG SHALL BE TYPE "A3i."
2. ALL PARTITIONS SHALL EXTEND TO STRUCTURE ABOVE, UNO. PROVIDE DIAGONAL BRACING AS REQUIRED.
3. WHERE 24" O.C. SPACING IS UTILIZED FOR ANY REASON, INCREASE STEEL GAUGE AS APPROPRIATE TO MAINTAIN INTEGRITY.
4. REFER TO SPECIFICATIONS FOR METAL STUD GAUGE REQUIREMENTS. ASSUME A MIN STUD GAUGE OF 18 GA. INCREASE WHERE REQUIRED.
5. REFER TO TYPICAL FIXTURE AND ACESSORIES SHEET FOR BLOCKING REQUIREMENTS.
6. "LINE OF STRUCTURE" INDICATED IN TYPICAL DETAILS IS DIAGRAMMATIC ONLY.
7. REFER TO HEAD OF WALL DETAILS FOR CONNECTION TO STRUCTURE AND FIRE-RATED REQUIREMENTS OF ALL PARTITIONS.

PARTITION INSULATION & GWB NOTES:
1. FOR RATED & SOUND ATTENUATED PARTITIONS:
   A. SCRIBE GWB AROUND UNDERSIDE OF DECKING AND AROUND OF STRUCTURE.
   B. FRICTION FIT SOUND ATTENUATING INSULATION BETWEEN STUDS TO FILL FULL DEPTH OF CAVITY.
      NON-RATED PARTITIONS, USE: BATT INSULATION (FIBERGLASS)
      RATED PARTITIONS, USE: ROCK WOOL
1. GWB MAY TERMINATE AT 6" MIN ABOVE CEILING FOR ALL PARTITIONS THAT ARE *NEITHER* RATED *NOR* SOUND ATTENUATED.
2. PARTITIONS ARE ASSUMED TO HAVE A BASELINE OF 5/8" TYPE 'X' GWB. PROVIDE ALTERNATIVE TYPES OF WALL BOARD BASED ON THE SPECIFIC LOCATION AND/OR FINISHES TO BE APPLIED:
   A. PROVIDE 5/8" BACKER BOARD IN LIEU OF ONE LAYER GWB AT ALL WALL FACES RECEIVING TILE.
   B. PROVIDE MOISTURE RESISTANT GWB AT ALL TOILET ROOMS, JANITOR'S CLOSETS AND OTHER WET LOCATIONS WHERE TILE AND TILE BACKER BOARD ARE NOT INSTALLED, INCLUDING BEHIND AND 2'-0" IN EACH DIRECTION FROM THE CENTERLINES OF ALL PLUMBING FIXTURES, UNO.
   C. PROVIDE 5/8" IMPACT RESISTANT BOARD WHERE INDICATED.
   D. PROVIDE 5/8" ABUSE BOARD WHERE INDICATED.
   E. PROVIDE 5/8" ACOUSTIC GWB WHERE INDICATED.
3. PARTITION TYPES WITH ONE SIDE OF DOUBLE DRYWALL TO BE PLACED SO THAT THE DOUBLE SIDE IS ON CORRIDOR AND/OR HIGH TRAFFIC SIDE OF WALL.
4. PROVIDE CONTROL JOINT WHERE NEW PARTITIONS ABUT EXISTING CONSTRUCTION.
5. PROVIDE CONTROL JOINTS A MAXIMUM OF 30'-0" APART, UNLESS NOTED OTHERWISE, PER ASTM C 840-17A. LOCATE ABOVE DOOR FRAMES WHERE POSSIBLE.
6. REFER TO SPECIFICATIONS FOR FINISH LEVEL INFORMATION.

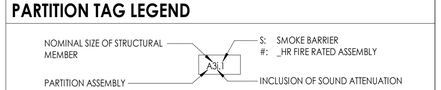
PARTITION LIFE SAFETY NOTES:
1. REFER TO CODE/LIFE SAFETY DRAWINGS FOR RATED PARTITIONS AND UL ASSEMBLIES. ALL RATED PARTITIONS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH UL DESIGN LISTINGS.
2. REFER TO UL HEAD-OF-WALL AND WALL-TO-WALL CONNECTIONS AND UL APPROVED PENETRATIONS FOR RATED WALLS. FOR ALL PARTITIONS INDICATED AS PART OF A SMOKE COMPARTMENT, SEAL TIGHT ALL GAPS, PENETRATIONS, AND OPENINGS WITHIN PARTITION TO PREVENT PASSAGE OF SMOKE.
3. FIRESTOP/ SMOKE STOP ALL REQUIRED WALL PARTITIONS, SLABS, AND PENETRATIONS THROUGH NEW AND EXISTING WALLS WITHIN THE PROJECT LIMITS IN COORDINATION WITH CODE PLAN, OR WHERE COORDINATED SYSTEMS CONNECTION POINTS ARE LOCATED OUTSIDE THE PROJECT LIMIT AREA, SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING DRAWINGS AND SPECIFICATIONS.
4. WHERE RATED PARTITIONS ARE PERPENDICULAR TO METAL DECK RIBS, PACK ALL VOIDS WITH FIRESAFING MATERIAL.
5. NOTIFY OWNER AND ARCHITECT OF ANY EXISTING NON-COMPLIANT PENETRATIONS THROUGH RATED PARTITIONS AS SHOWN ON THE LIFE SAFETY PLANS.
6. CONSTRUCT ALL WALLS AND PARTITIONS IN ORDER OF RATING PRIORITY, BEGINNING WITH THE HIGHEST RATED WALLS FIRST. REFER TO FRAMING DETAILS.
7. EACH FIRE AND SMOKE RESISTANCE RATED PARTITION SHOWN ON THE PLANS SHALL BE IDENTIFIED AS SUCH WITH A LABEL AS REQUIRED BY THE ADOPATED STATE CODE.

PARTITION FINISH NOTES:
1. REFER TO INTERIOR DRAWINGS FOR LOCATIONS OF WALL TILE AND OTHER SPECIALTY/APPLIED WALL FINISHES.
2. WHERE LARGE FORMAT WALL TILE IS INDICATED ON FINISH DRAWINGS (15" OR LONGER IN ANY DIRECTION), PROVIDE ENHANCED WALL FINISH TOLERANCE. REFER TO SPECIFICATIONS.

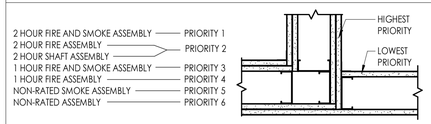
PARTITION ASSEMBLY LEGEND

- A — STEEL STUDS, 1 LAYER GWB, EACH SIDE
- B — STEEL STUDS, 2 LAYER GWB, EACH SIDE
- C — STEEL STUDS, 3 LAYER GWB, EACH SIDE
- D — STEEL STUDS, 2 LAYER GWB, ONE SIDE, 1 LAYER GWB, ONE SIDE
- E — STEEL FURRING, 1 LAYER GWB, ONE SIDE
- F — STEEL STUDS, 1 LAYER GWB, ONE SIDE
- G — STEEL STUDS, 2 LAYER GWB, ONE SIDE
- H — SHAFT WALL, SHAFT LINER, ONE SIDE
- I — SHAFT WALL, SHAFT LINER, ONE SIDE, 1 LAYER GWB, ONE SIDE
- J — SHAFT WALL, SHAFT LINER, ONE SIDE, 2 LAYER GWB, ONE SIDE
- K — SHAFT WALL, SHAFT LINER, ONE SIDE, 3 LAYER GWB, ONE SIDE
- L — SHAFT WALL, SHAFT LINER +, 1 LAYER GWB, ONE SIDE, 2 LAYER GWB, ONE SIDE
- M — CONCRETE MASONRY UNITS
- N — WOOD STUDS, 1 LAYER GWB, EACH SIDE
- O — WOOD STUDS, 2 LAYER GWB, EACH SIDE
- P — WOOD STUDS, 1 LAYER GWB, ONE SIDE
- T — TEMPORARY BARRIER
- U — STEEL STUDS + FURRING, 1 LAYER GWB, EACH SIDE
- V — STEEL STUDS + FURRING, 1 LAYER GWB, ONE SIDE
- X — (RESERVED FOR) RADIATION SHIELDING
- Y — (RESERVED FOR) RF SHIELDING | MRI ENCLOSURE

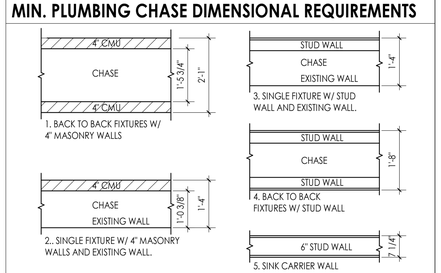
PARTITION TAG LEGEND



PRIORITY LEGEND



MIN. PLUMBING CHASE DIMENSIONAL REQUIREMENTS



CPL | Architecture Engineering Planning
2875 Route 35 Suite 75-1,
Katonah, NY 10536
CPLteam.com
NY ENGINEERING FIRM CERTIFICATE #018330

PROJECT INFORMATION
Project Number
R23.15291.00
Client Name
MONROE WOODBURY CSD
Project Name
EXTERIOR MOD, BOILER / AC, FIRE ALARM, PA & CLOCKS
District Office Address
278 ROUTE 32, CENTRAL VALLEY, NY 10917

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
	10/23/2026	ISSUE FOR BID
1	11/16/2026	ADDENDUM #3

Monroe-Woodbury Central School District
- ■ NORTH MAIN ES - SED# 44-12-01-06-0-002-011
- □ NORTH MAIN ES - SED# 44-12-01-06-0-002-012

REGISTRATION EXPIRATION DATES

David Hunsberger	12/31/28
Anthony Marchetti	05/31/27
Dave Hart	02/28/28
Jennifer Wengender	06/30/27
Larry Werts	12/31/27
James Basile	05/31/29

PROFESSIONAL STAMPS

NEW YORK STATE EDUCATION STATEMENT
IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, ENGINEER OR LAND SURVEYOR, TO ALTER ANY ITEM ON THIS PLAN BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED, THE ALTERING PARTY SHALL AFFIX TO THE ITEM THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SHEET INFORMATION

Issued	Scale
08/22/2025	As indicated
Project Status	
BID DOCUMENTS	
Drawn By	Checked By
LA	TH

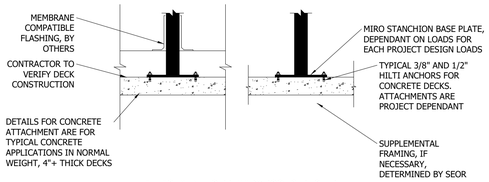
Drawing Title
WALL TYPES

Drawing Number
NMES
A400

11/16/2026 12:04:00 PM <project location>\D Design & Project Files on BIM 360

GENERAL NOTES:

1. MECHANICAL CONTRACTOR SHALL FURNISH ALL ROOFTOP EQUIPMENT SUPPORT MATERIALS. ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION.
2. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ROOFING ASSEMBLY AND STRUCTURAL SUPPORTS TYPES.
3. CONTRACTORS SHALL FIELD VERIFY EXISTING ROOFING CONDITIONS AND ROOF DECK CONSTRUCTION PRIOR TO INSTALLATION.



ATTACHMENT TO PRIMARY ROOF STRUCTURE - CONCRETE DECK ATTACHMENT

BASIS OF DESIGN:
- MIRO INDUSTRIES

ATTACHMENT TO EXISTING CONCRETE DECKS

MIRO STANCHIONED SUPPORTS ARE CUSTOM DESIGNED IN-HOUSE TO MEET PROJECT SPECIFIC NEEDS AND CODE REQUIREMENTS. BASES AND MATERIAL ARE SELECTED TO MEET DESIGN CONSTRAINTS AND SPECIFICATIONS.

POSITIVE ATTACHMENT TO THE BUILDING STRUCTURE THROUGH DIRECT CONCRETE DECK ATTACHMENTS IS REQUIRED TO RESIST MINIMUM LATERAL AND UPLIFT LOADING REQUIREMENTS PER LOCAL BUILDING CODE CRITERIA. ATTACHMENT METHOD DEPENDS ON THE BUILDING'S CONCRETE DECK TYPE AND THICKNESS AND POSSIBLY STRUCTURAL LAYOUT RELATIVE TO BASE LANDING LOCATIONS.

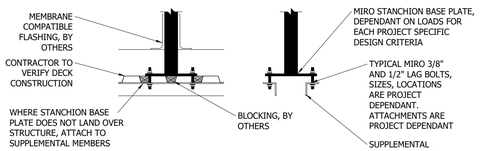
THE PROJECT ENGINEER OF RECORD IS RESPONSIBLE FOR THE DESIGN OF THE BUILDING CONCRETE DECK, STRUCTURE, AND LOCAL STRUCTURAL REINFORCEMENT, WHERE REQUIRED, TO WITHSTAND APPLIED LOADS ON A PROJECT-BY-PROJECT BASIS.

KEY INFORMATION

- PROJECT DECK AND STRUCTURE AND ANY REINFORCING STEEL, IF NECESSARY, IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD.
- ALTHOUGH COMMON DETAILS ARE SHOWN, PROJECT SPECIFIC DESIGN CRITERIA MUST BE MET THROUGH A DEFERRED SUBMITTAL ON EACH BUILDING WITH ROOFTOP EQUIPMENT.
- RECOMMENDATIONS ON ATTACHMENT AND FINAL LOADS ARE TO BE APPROVED BY THE ENGINEER OF RECORD TO ENSURE COMPATIBILITY WITH THE ROOF AND STRUCTURE.
- QUALIFIED ROOFER TO FLASH AROUND STANCHION PIPES TO COMPLETE THE INSTALLATION.
- PROJECT SPECIFIC CONSTRAINTS AND DESIGN CRITERIA ARE NEEDED TO COMPLETE A DESIGN. CONTACT MIRO INDUSTRIES FOR ASSISTANCE IN DETERMINING APPROPRIATE DESIGN REQUIREMENTS FOR EACH BUILDING.
- MIRO SPECIFIC ENGINEERED DESIGNS MEET LOCAL AND INTERNATIONAL BUILDING CODE CRITERIA AND ASCE 7 LOADING FOR WIND, SEISMIC, SNOW, TORNADO, LIVE, AND DEAD LOADS THROUGH STAMPED DEFERRED SUBMITTALS.

1 H803 TYPICAL ANCHORED ROOF SUPPORT ATTACHMENT TO CONCRETE DECK DETAIL

1/2" = 1'-0"



ATTACHMENT TO SUPPLEMENTAL STRUCTURE - STRUCTURAL REINFORCEMENT

BASIS OF DESIGN:
- MIRO INDUSTRIES

ATTACHMENT TO SUPPLEMENTAL STRUCTURE DESCRIPTION

MIRO STANCHIONED SUPPORTS ARE CUSTOM DESIGNED IN-HOUSE TO MEET PROJECT SPECIFIC NEEDS AND CODE REQUIREMENTS. BASES AND MATERIAL ARE SELECTED TO MEET DESIGN CONSTRAINTS AND SPECIFICATIONS.

POSITIVE ATTACHMENT TO THE BUILDING STRUCTURE THROUGH DIRECT ATTACHMENT OR TO SUPPLEMENTAL STRUCTURAL FRAMING IS REQUIRED TO RESIST MINIMUM LATERAL AND UPLIFT LOADING REQUIREMENTS PER LOCAL BUILDING CODE CRITERIA. ATTACHMENT METHOD DEPENDS ON THE BUILDING STRUCTURE AND STRUCTURAL LAYOUT RELATIVE TO BASE LANDING LOCATIONS.

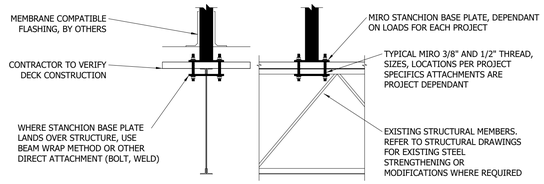
THE PROJECT ENGINEER OF RECORD IS RESPONSIBLE FOR THE DESIGN OF THE BUILDING STRUCTURE AND LOCAL STRUCTURAL REINFORCEMENT, WHERE REQUIRED, TO WITHSTAND APPLIED LOADS ON A PROJECT-BY-PROJECT BASIS.

KEY INFORMATION

- PROJECT STRUCTURE AND ANY REINFORCING STEEL, IF NECESSARY, IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD.
- ALTHOUGH COMMON DETAILS ARE SHOWN, PROJECT SPECIFIC DESIGN CRITERIA MUST BE MET THROUGH A DEFERRED SUBMITTAL ON EACH BUILDING WITH ROOFTOP EQUIPMENT.
- RECOMMENDATIONS ON ATTACHMENT AND FINAL LOADS ARE TO BE APPROVED BY THE ENGINEER OF RECORD TO ENSURE COMPATIBILITY WITH THE ROOF AND STRUCTURE.
- QUALIFIED ROOFER TO FLASH AROUND STANCHION PIPES TO COMPLETE THE INSTALLATION.
- PROJECT SPECIFIC CONSTRAINTS AND DESIGN CRITERIA ARE NEEDED TO COMPLETE A DESIGN. CONTACT MIRO INDUSTRIES FOR ASSISTANCE IN DETERMINING APPROPRIATE DESIGN REQUIREMENTS FOR EACH BUILDING.
- MIRO SPECIFIC ENGINEERED DESIGNS MEET LOCAL AND INTERNATIONAL BUILDING CODE CRITERIA AND ASCE 7 LOADING FOR WIND, SEISMIC, SNOW, TORNADO, LIVE, AND DEAD LOADS THROUGH STAMPED DEFERRED SUBMITTALS.

4 H803 TYPICAL ANCHORED ROOF SUPPORT ATTACHMENT TO SUPPLEMENTAL STRUCTURE DETAIL

1/2" = 1'-0"



ATTACHMENT TO EXISTING STRUCTURE - OPEN WEB JOIST

BASIS OF DESIGN:
- MIRO INDUSTRIES

ATTACHMENT TO OPEN WEB JOIST FRAMING DESCRIPTION

MIRO STANCHIONED SUPPORTS ARE CUSTOM DESIGNED IN-HOUSE TO MEET PROJECT SPECIFIC NEEDS AND CODE REQUIREMENTS. BASES AND MATERIAL ARE SELECTED TO MEET DESIGN CONSTRAINTS AND SPECIFICATIONS.

POSITIVE ATTACHMENT TO THE BUILDING STRUCTURE THROUGH DIRECT ATTACHMENT OR BEAM WRAP AROUND EXISTING OPEN WEB JOIST FRAMING IS REQUIRED TO RESIST MINIMUM LATERAL AND UPLIFT LOADING REQUIREMENTS PER LOCAL BUILDING CODE CRITERIA. ATTACHMENT METHOD DEPENDS ON THE BUILDING STRUCTURE AND STRUCTURAL LAYOUT RELATIVE TO BASE LANDING LOCATIONS.

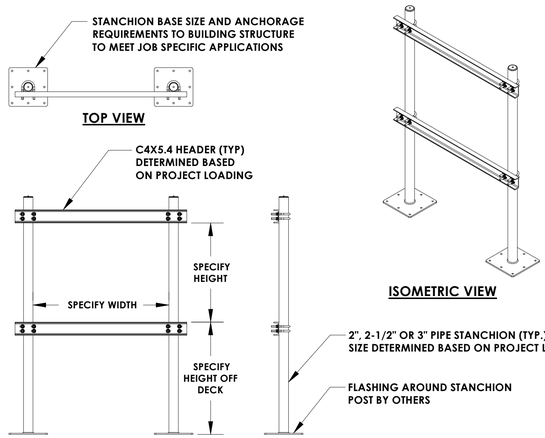
THE PROJECT ENGINEER OF RECORD IS RESPONSIBLE FOR THE DESIGN OF THE BUILDING STRUCTURE AND LOCAL STRUCTURAL REINFORCEMENT, WHERE REQUIRED, TO WITHSTAND APPLIED LOADS ON A PROJECT-BY-PROJECT BASIS.

KEY INFORMATION

- PROJECT STRUCTURE AND ANY REINFORCING STEEL, IF NECESSARY, IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD.
- ALTHOUGH COMMON DETAILS ARE SHOWN, PROJECT SPECIFIC DESIGN CRITERIA MUST BE MET THROUGH A DEFERRED SUBMITTAL ON EACH BUILDING WITH ROOFTOP EQUIPMENT.
- RECOMMENDATIONS ON ATTACHMENT AND FINAL LOADS ARE TO BE APPROVED BY THE ENGINEER OF RECORD TO ENSURE COMPATIBILITY WITH THE ROOF AND STRUCTURE.
- QUALIFIED ROOFER TO FLASH AROUND STANCHION PIPES TO COMPLETE THE INSTALLATION.
- PROJECT SPECIFIC CONSTRAINTS AND DESIGN CRITERIA ARE NEEDED TO COMPLETE A DESIGN. CONTACT MIRO INDUSTRIES FOR ASSISTANCE IN DETERMINING APPROPRIATE DESIGN REQUIREMENTS FOR EACH BUILDING.
- MIRO SPECIFIC ENGINEERED DESIGNS MEET LOCAL AND INTERNATIONAL BUILDING CODE CRITERIA AND ASCE 7 LOADING FOR WIND, SEISMIC, SNOW, TORNADO, LIVE, AND DEAD LOADS THROUGH STAMPED DEFERRED SUBMITTALS.

2 H803 TYPICAL ANCHORED ROOF SUPPORT ATTACHMENT TO OPEN WEB JOIST DETAIL

1/2" = 1'-0"



BASIS OF DESIGN:
- MIRO INDUSTRIES

PRODUCT DESCRIPTION

DUCT AND CABLE TRAYS ARE DESIGNED FOR SINGLE OR MULTIPLE DUCT SUPPORTS AND CABLE TRAYS. TO OBTAIN A PROJECT SPECIFIC DESIGN AND PRICING, CALL YOUR LOCAL REPRESENTATIVE AND HAVE THE FOLLOWING INFORMATION AVAILABLE:

1. DIMENSIONS OF DUCT
2. DUCT MATERIAL (GAUGE THICKNESS)
3. CLEARANCE HEIGHT ABOVE ROOF (BOTTOM OF INSULATION)
4. INSULATION (IF ANY)
5. DUCT LAYOUT DRAWING
6. PROJECT ADDRESS
7. ROOF FRAMING PLAN
8. CROSS SECTION DRAWING OF ROOF CONSTRUCTION INCLUDING; TYPE OF DECK, ROOF INSULATION THICKNESS AND MEMBRANE OR FINISHED SURFACE
9. MIRO PROJECT SPECIFIC DESIGN REQUIREMENTS SHEET.

KEY INFORMATION

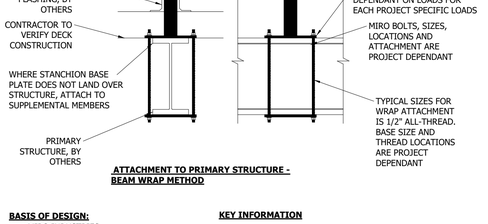
- STANCHIONED DUCT SUPPORTS ARE ENGINEERED TO ENSURE MEMBER/COMPONENT CAPACITIES AND DEFLECTION CRITERIA ARE NOT EXCEEDED.
- DEFLECTION IN THE HORIZONTAL HEADER BAR IS NOT TO EXCEED THE SPAN LENGTH BY 360 OR 1/8".
- RECOMMENDED SPACING IS NOT TO EXCEED 8 FEET CENTERS DEPENDING UPON THE LOAD.
- WIDTH AND HEIGHT ARE BUILT JOB SPECIFIC BASED ON INFORMATION PROVIDED TO MIRO IND. WITH A MINIMUM HEIGHT OF 12"
- ALL METAL PARTS ARE HOT DIP GALVANIZED
- MIRO INDUSTRIES, INC. IS NOT RESPONSIBLE FOR THE DESIGN OF THE BUILDING STRUCTURE OR THE COMPONENTS BEING SUPPORTED.

MIRO STANCHIONED SUPPORTS ARE ENGINEERED TO MEET PROJECT SPECIFIC DESIGN REQUIREMENTS. STANCHIONED SUPPORTS SHALL ONLY BE USED ON THE PROJECT THEY ARE DESIGNED FOR. SUPPORTS ARE DESIGNED TO MEET LOADING REQUIREMENTS PER ASCE-7 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" AND LOCALLY ADOPTED BUILDING CODES.

GENERAL NOTE:
- THIS DETAIL REFERS TO ROOF DUCT SUPPORTS ANCHORED DIRECTLY TO THE ROOF DECK.
- ROOF DUCT SUPPORT TYPES SHALL BE PROVIDED IN ACCORDANCE WITH THE WIND RESTRAINT DELEGATED DESIGN. REFER TO SPECIFICATION SECTION 230550 - WIND RESTRAINT FOR HVAC SYSTEMS.

5 H803 TYPICAL ROOF DUCT SUPPORT DETAIL (ANCHORED)

1/2" = 1'-0"



ATTACHMENT TO PRIMARY STRUCTURE - BEAM WRAP METHOD

BASIS OF DESIGN:
- MIRO INDUSTRIES

ATTACHMENT TO PRIMARY STRUCTURE - BEAM WRAP

MIRO STANCHIONED SUPPORTS ARE CUSTOM DESIGNED IN-HOUSE TO MEET PROJECT SPECIFIC NEEDS AND CODE REQUIREMENTS. BASES AND MATERIAL ARE SELECTED TO MEET DESIGN CONSTRAINTS AND SPECIFICATIONS.

POSITIVE ATTACHMENT TO THE BUILDING STRUCTURE THROUGH DIRECT ATTACHMENT OR BEAM WRAP AROUND EXISTING STRUCTURAL ELEMENTS IS REQUIRED TO RESIST MINIMUM LATERAL AND UPLIFT LOADING REQUIREMENTS PER LOCAL BUILDING CODE CRITERIA. ATTACHMENT METHOD DEPENDS ON THE BUILDING STRUCTURE AND STRUCTURAL LAYOUT RELATIVE TO BASE LANDING LOCATIONS.

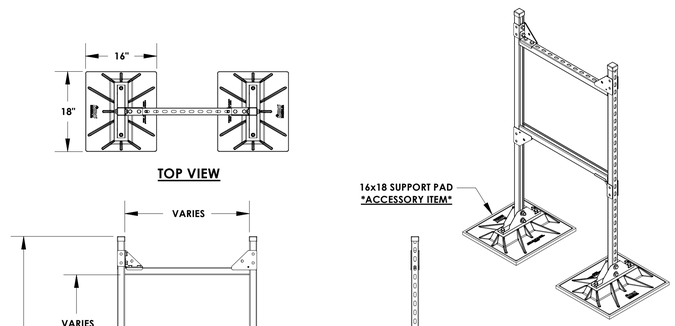
THE PROJECT ENGINEER OF RECORD IS RESPONSIBLE FOR THE DESIGN OF THE BUILDING STRUCTURE AND LOCAL STRUCTURAL REINFORCEMENT, WHERE REQUIRED, TO WITHSTAND APPLIED LOADS ON A PROJECT-BY-PROJECT BASIS.

KEY INFORMATION

- PROJECT STRUCTURE AND ANY REINFORCING STEEL, IF NECESSARY, IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD.
- ALTHOUGH COMMON DETAILS ARE SHOWN, PROJECT SPECIFIC DESIGN CRITERIA MUST BE MET THROUGH A DEFERRED SUBMITTAL ON EACH BUILDING WITH ROOFTOP EQUIPMENT.
- RECOMMENDATIONS ON ATTACHMENT AND FINAL LOADS ARE TO BE APPROVED BY THE ENGINEER OF RECORD TO ENSURE COMPATIBILITY WITH THE ROOF AND STRUCTURE.
- QUALIFIED ROOFER TO FLASH AROUND STANCHION PIPES TO COMPLETE THE INSTALLATION.
- PROJECT SPECIFIC CONSTRAINTS AND DESIGN CRITERIA ARE NEEDED TO COMPLETE A DESIGN. CONTACT MIRO INDUSTRIES FOR ASSISTANCE IN DETERMINING APPROPRIATE DESIGN REQUIREMENTS FOR EACH BUILDING.
- MIRO SPECIFIC ENGINEERED DESIGNS MEET LOCAL AND INTERNATIONAL BUILDING CODE CRITERIA AND ASCE 7 LOADING FOR WIND, SEISMIC, SNOW, TORNADO, LIVE, AND DEAD LOADS THROUGH STAMPED DEFERRED SUBMITTALS.

3 H803 TYPICAL ANCHORED ROOF SUPPORT ATTACHMENT TO STRUCTURAL BEAM DETAIL

1/2" = 1'-0"



BASIS OF DESIGN:
- MIRO INDUSTRIES

ACCESSORIES
- 16 X 18 SUPPORT PAD
- CROSS BRACING

PRODUCT DESCRIPTION

DUCT AND CABLE TRAYS ARE DESIGNED FOR SINGLE OR MULTIPLE DUCT SUPPORTS AND CABLE TRAYS:

1. SPECIFY NUMBER OF SUPPORTS NEEDED OR PROVIDE A ROOF TOP DUCT LAYOUT DRAWING AND MIRO IND. WILL PROVIDE A SUPPORT LAYOUT DRAWING AND TAKE OFF.
2. DIMENSIONS OF DUCT (WIDTH X HEIGHT OR DIAM)
3. DUCT MATERIAL (GAUGE THICKNESS)
4. CLEARANCE HEIGHT ABOVE ROOF (HOR)
5. EXTERIOR INSULATION THICKNESS (IF ANY)

KEY INFORMATION

- THE BDS SERIES SUPPORT IS ENGINEERED TO ENSURE MEMBER/COMPONENT CAPACITIES AND DEFLECTION CRITERIA ARE NOT EXCEEDED.
- MAXIMUM LOADING FROM ANY MIRO BASE TO THE FINISHED ROOF SURFACE IS NOT TO EXCEED 3.0 PSI (578 LBS/BASE) UNLESS SPECIFICALLY ALLOWED OTHERWISE IN THE PROJECT SPECIFICATIONS.
- DEFLECTION IN THE HORIZONTAL HEADER BAR IS NOT TO EXCEED THE SPAN LENGTH BY 360 OR 1/8".
- FRAME IS DESIGNED FOR GRAVITY LOADING ONLY.
- RECOMMENDED SPACING IS NOT TO EXCEED 8 FEET CENTERS DEPENDING UPON THE LOAD.
- WIDTH AND HEIGHT ARE BUILT JOB SPECIFIC BASED ON INFORMATION PROVIDED TO MIRO IND. WITH A MINIMUM HEIGHT OF 12"
- FRAME IS MADE WITH 12 GAUGE CHANNEL; SIZE IS DETERMINED DURING DESIGN
- BASE MATERIAL: POLYCARBONATE
- ALL METAL PARTS ARE HOT DIP GALVANIZED

GENERAL NOTE:
- THIS DETAIL REFERS TO BALLASTED ROOF DUCT SUPPORTS ON THE ROOF.
- ROOF DUCT SUPPORT TYPES SHALL BE PROVIDED IN ACCORDANCE WITH THE WIND RESTRAINT DELEGATED DESIGN. REFER TO SPECIFICATION SECTION 230550 - WIND RESTRAINT FOR HVAC SYSTEMS.

6 H803 TYPICAL ROOF DUCT SUPPORT DETAIL (NON-ANCHORED)

1/2" = 1'-0"

CPL | Architecture Engineering Planning
2875 Route 35 Suite 75-1,
Katonah, NY 10536
CPLeam.com
NY ENGINEERING FIRM CERTIFICATE #0021419

PROJECT INFORMATION

Project Number
R23.15292.00

Client Name
MONROE WOODBURY CSD

Project Name
PHASE 3: 2023 BOND

District Office Address
278 ROUTE 32, CENTRAL VALLEY, NY 10917

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
1	11/13/2026	BID ADDENDUM 3

MONROE WOODBURY CSD
- ☐ MIDDLE SCHOOL SED NO. 44-12-01-06-0-009-017
- ☐ CONCESSION STAND SED NO. 44-12-01-06-7-034-001
- ■ NORTH MAIN ES SED NO. 44-12-01-06-0-002-012
- ☐ HIGH SCHOOL SED NO. 44-12-01-06-0-021-010

REGISTRATION EXPIRATION DATES

David Hunsberger	12/31/25
Anthony Marchetti	05/31/27
Dave Hart	02/29/28
Jennifer Wengender	06/30/27
Larry Werts	12/31/27
James Basile	05/31/26

PROFESSIONAL STAMPS

NEW YORK STATE EDUCATION STATEMENT

IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATIONS FOR ANY PERSON, UNLESS HE OR SHE IS A LICENSED ARCHITECT, PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF ANITEM BEARING THE SEAL OF AN ARCHITECT, ENGINEER OR SURVEYOR IS ALTERED, THE ALTERING PARTY SHALL AFFIX TO THE ITEM THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

SHEET INFORMATION

Issued	Scale
10/23/2026	As indicated

Project Status
BID DOCUMENTS

Drawn By	Checked By
AJE	AJS

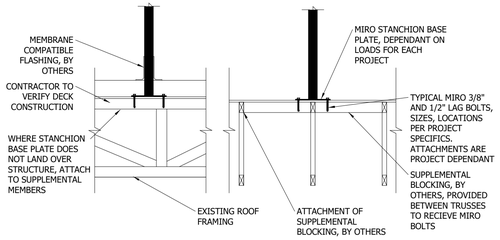
Drawing Title
DETAILS

Drawing Number
NMES H803

11/13/2026 1:39:20 PM <project location>\D Design & Project Files on BIM 360

GENERAL NOTES:

1. MECHANICAL CONTRACTOR SHALL FURNISH ALL ROOFTOP EQUIPMENT SUPPORT MATERIALS. ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION.
2. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ROOFING ASSEMBLY AND STRUCTURAL SUPPORTS TYPES.
3. CONTRACTORS SHALL FIELD VERIFY EXISTING ROOFING CONDITIONS AND ROOF DECK CONSTRUCTION PRIOR TO INSTALLATION.



ATTACHMENT TO WOOD STRUCTURE - WOOD BLOCKING ATTACHMENT

BASIS OF DESIGN:

- MIRO INDUSTRIES

WOOD BLOCKING ATTACHMENT DESCRIPTION

MIRO STANCHIONED SUPPORTS ARE CUSTOM DESIGNED IN-HOUSE TO MEET PROJECT SPECIFIC NEEDS AND CODE REQUIREMENTS. BASES AND MATERIAL ARE SELECTED TO MEET DESIGN CONSTRAINTS AND SPECIFICATIONS TO ATTACH TO EXISTING MEMBERS, WHERE POSSIBLE, AND TO SUPPLEMENTAL WOOD BLOCKING.

POSITIVE ATTACHMENT TO THE BUILDING STRUCTURE OR SUPPLEMENTAL BLOCK FRAMING IS REQUIRED TO RESIST MINIMUM LATERAL AND UPLIFT LOADING REQUIREMENTS PER LOCAL BUILDING CODE CRITERIA. ATTACHMENT METHOD DEPENDS ON THE BUILDING STRUCTURE AND STRUCTURAL LAYOUT RELATIVE TO BASE LANDING LOCATIONS.

THE PROJECT ENGINEER OF RECORD IS RESPONSIBLE FOR THE DESIGN OF THE BUILDING STRUCTURE AND LOCAL BLOCKING REINFORCEMENT, WHERE REQUIRED, TO WITHSTAND APPLIED LOADS ON A PROJECT-BY-PROJECT BASIS.

KEY INFORMATION

- PROJECT STRUCTURE AND ANY REINFORCING BLOCKING OR WOOD SUPPLEMENTAL STRUCTURE, IF NECESSARY, IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD.
- ALTHOUGH COMMON DETAILS ARE SHOWN, PROJECT SPECIFIC DESIGN CRITERIA MUST BE MET THROUGH A DEFERRED SUBMITTAL ON EACH BUILDING WITH ROOFTOP EQUIPMENT.
- RECOMMENDATIONS ON ATTACHMENT AND FINAL LOADS ARE TO BE APPROVED BY THE ENGINEER OF RECORD TO ENSURE COMPATIBILITY WITH THE ROOF AND STRUCTURE.
- QUALIFIED ROOFER TO FLASH AROUND STANCHION PIPES TO COMPLETE THE INSTALLATION.
- PROJECT SPECIFIC CONSTRAINTS AND DESIGN CRITERIA ARE NEEDED TO COMPLETE A DESIGN. CONTACT MIRO INDUSTRIES FOR ASSISTANCE IN DETERMINING APPROPRIATE DESIGN REQUIREMENTS FOR EACH BUILDING.
- MIRO SPECIFIC ENGINEERED DESIGNS MEET LOCAL AND INTERNATIONAL BUILDING CODE CRITERIA AND ASCE 7 LOADING FOR WIND, SEISMIC, SNOW, TORNADO, LIVE, AND DEAD LOADS THROUGH STAMPED DEFERRED SUBMITTALS.

1 / H804 **TYPICAL ANCHORED ROOF SUPPORT ATTACHMENT TO WOOD STRUCTURE DETAIL**

1/2" = 1'-0"

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NY ENGINEERING FIRM CERTIFICATE #0021419

PROJECT INFORMATION

Project Number
R23.15292.00

Client Name
MONROE WOODBURY CSD

Project Name
PHASE 3: 2023 BOND

District Office Address
278 ROUTE 32, CENTRAL VALLEY, NY 10917

PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
1	11/13/2026	BID ADDENDUM 3

MONROE WOODBURY CSD

- ☐ MIDDLE SCHOOL SED NO. 44-12-01-06-0-009-017
- ☐ CONCESSION STAND SED NO. 44-12-01-06-7-034-001
- ■ NORTH MAIN ES SED NO. 44-12-01-06-0-002-012
- ☐ HIGH SCHOOL SED NO. 44-12-01-06-0-021-010

REGISTRATION EXPIRATION DATES

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Anthony Marchetti	05/31/27
Dave Hart	02/29/28
Jennifer Wengender	06/30/27
Larry Werts	12/31/27
James Basile	05/31/26

PROFESSIONAL STAMPS

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SHEET INFORMATION

Issued	Scale
10/23/2026	1/2" = 1'-0"

Project Status
BID DOCUMENTS

Drawn By	Checked By
AJE	AJS

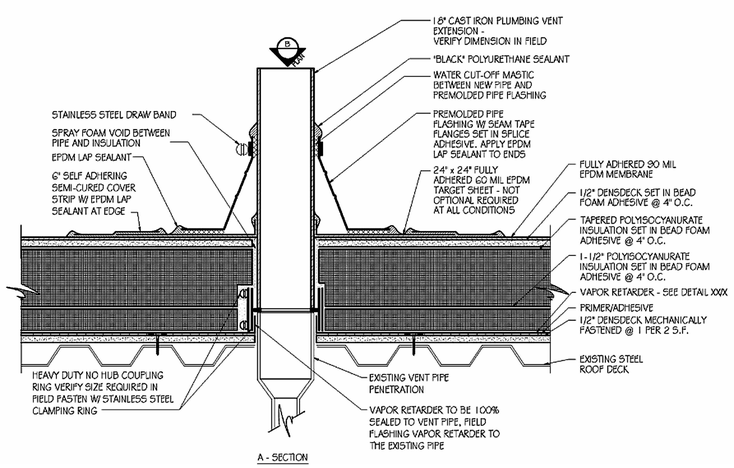
Drawing Title
DETAILS

Drawing Number
NMES
H804

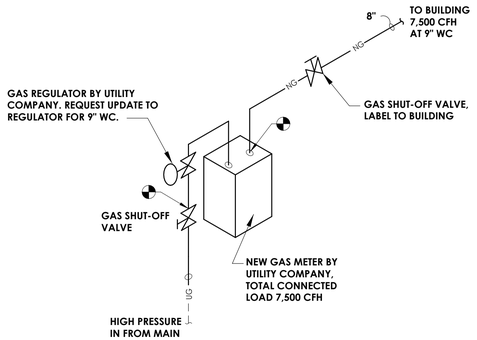
11/13/2026 1:40:06 PM <project location>\Design & Projects\Files on Mint 360

GAS LOAD SCHEDULE

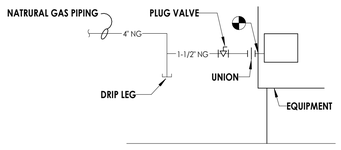
EQUIPMENT	BTU/HR INPUT	PRESSURE-IN WC	
		MINIMUM	MAXIMUM
BOILER, B-1 (NEW)	1,750,00	4	14
BOILER, B-2 (NEW)	1,750,00	4	14
BOILER, B-3 (NEW)	1,750,00	4	14
ROOF TOP UNIT, RTU-1 (NEW)	486,000	5	14
ROOF TOP UNIT, RTU-2 (NEW)	486,000	5	14
ROOF TOP UNIT, RTU-3 (NEW)	486,000	5	14
ROOF TOP UNIT, RTU-4 (NEW)	162,000	5	14
ROOF TOP UNIT, RTU-5 (NEW)	486,000	5	14
ROOF TOP UNIT (EXISTING)	115,000	1.8	13
BUILDING TOTAL	7,473,000		



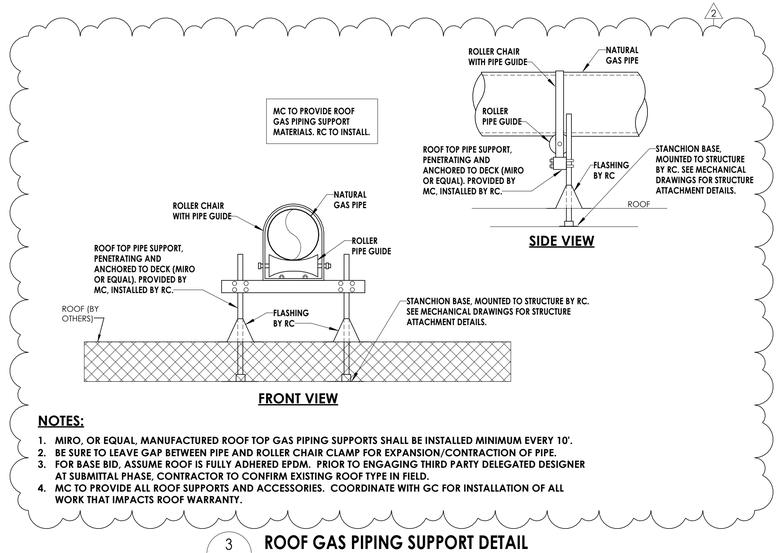
1 / P000 **VENT THROUGH ROOF DETAIL**
12" = 1'-0"



2 / P000 **GAS METER DETAIL**
12" = 1'-0"



4 / P000 **PLMB - GAS CONNECTION DETAIL**
12" = 1'-0"



NOTES:

1. MIRO, OR EQUAL, MANUFACTURED ROOF TOP GAS PIPING SUPPORTS SHALL BE INSTALLED MINIMUM EVERY 10'.
2. BE SURE TO LEAVE GAP BETWEEN PIPE AND ROLLER CHAIR CLAMP FOR EXPANSION/CONTRACTION OF PIPE.
3. FOR BASE BID, ASSUME ROOF IS FULLY ADHERED EPDM. PRIOR TO ENGAGING THIRD PARTY DELEGATED DESIGNER AT SUBMITTAL PHASE, CONTRACTOR TO CONFIRM EXISTING ROOF TYPE IN FIELD.
4. MC TO PROVIDE ALL ROOF SUPPORTS AND ACCESSORIES. COORDINATE WITH GC FOR INSTALLATION OF ALL WORK THAT IMPACTS ROOF WARRANTY.

3 / P000 **ROOF GAS PIPING SUPPORT DETAIL**
12" = 1'-0"

GENERAL NOTES

A. ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODES. AND SPECIAL OCCUPANCY STANDARDS.

B. DOMESTIC WATER LINES SHALL BE TYPE L COPPER, LEAD FREE JOINTS. INSULATE ALL PIPING WITH PREFORMED FIBERGLASS PIPE INSULATION WITH ASJ COVER SIZED PER STATE ENERGY CODE. ALL FITTINGS AND VALVES TO BE COVERED WITH PREFORMED PVC FITTING COVERS. ALL EXPOSED VERTICAL FIXTURE SUPPLY LINES TO BE COVERED WITH PVC JACKET TO 7' ABOVE FINISHED FLOOR. UNLESS OTHERWISE NOTED ON PLANS OR SPECS.

C. PROVIDE WATER HAMMER ARRESTORS AS REQUIRED BY STATE PLUMBING CODE ON BRANCH PIPING TO EACH TOILET ROOM, LAUNDRY ROOM, SOLENOID VALVE, FAST CLOSING VALVE OR AS OTHERWISE REQUIRED BY CODE.

D. UNDERGROUND SANITARY AND VENT PIPING SHALL BE SERVICE WEIGHT CAST IRON. HUB AND SPIGOT WITH RUBBER GASKET PUSH JOINTS. ABOVE GROUND SANITARY AND VENT PIPING SHALL BE NO-HUB CAST IRON OR DWV COPPER WITH DWV COPPER FITTINGS.

E. UNDERGROUND STORM PIPING SHALL BE SERVICE WEIGHT CAST IRON. HUB AND SPIGOT WITH RUBBER GASKET PUSH JOINTS. ABOVE GROUND STORM PIPING SHALL BE NO-HUB CAST IRON. ROOF DRAIN BODIES AND HORIZONTAL ABOVE GRADE PIPING SHALL BE INSULATED WITH PREFORMED FIBERGLASS PIPE INSULATION.

F. SANITARY AND STORM CLEANOUTS TO BE PROVIDED AS PER STATE PLUMBING CODE AT END OF EACH BRANCH, AT LEAST EVERY 100' ALONG THE MAINS AND AT 90 DEGREE CHANGE IN DIRECTION.

G. NATURAL GAS PIPING BELOW GRADE SHALL BE HDPE. NATURAL GAS PIPING ABOVE GRADE SHALL BE ASTM A53 SCH 40 BLACK STEEL. WITH SCREWED JOINTS IN PIPE UP TO 2 1/2" AND WELDED JOINTS IN PIPE 3" AND ABOVE. ALL EXTERIOR EXPOSED GAS PIPE SHALL BE PAINTED (GREY, YELLOW OR AS OTHERWISE SPECIFIED BY THE ARCHITECT).

H. IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS WITHIN THE BUILDING PRIOR TO COMMENCEMENT OF ALL DEMOLITION AND NEW WORK.

I. IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO REMOVE AND REPLACE EXISTING CEILINGS UNLESS OTHERWISE NOTED ON THE ARCHITECTURAL DRAWINGS, FOR PERFORMING DEMOLITION OR NEW WORK WITHIN THE BUILDING. THE CONTRACTOR SHALL REINSTALL THE CEILING SYSTEMS TO MATCH THE ORIGINAL INSTALLATION. ANY CEILING SYSTEM COMPONENT DAMAGED DURING DEMOLITION, STORAGE, OR RE-INSTALLATION SHALL BE REPLACED WITH A NEW AT NO EXPENSE TO THE OWNER.

J. UNLESS SHOWN ON THE ARCHITECTURAL DRAWINGS. IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO PATCH AND FINISH ALL EXISTING PIPE PENETRATIONS AND TRENCHING THRU FLOOR AND WALLS AFTER DEMOLITION. IN ADDITION, ALL NEW PENETRATIONS AND TRENCHING SHALL BE PROVIDED FOR INSTALLATION OF PLUMBING SYSTEM INCLUDING, BUT NOT LIMITED TO, EQUIPMENT, PIPING, ETC.

K. ALL PIPING AND CONDUIT PENETRATIONS THRU RATED WALLS OR FLOORS SHALL BE PROVIDED WITH FIRE/SMOKE STOPPING.

L. ALL PIPING SYSTEMS SHALL BE PRESSURE TESTED, PURGED, DISINFECTED AND/OR AIR REMOVED AS DICTATED BY CODE, MANUFACTURER SPECIFICATION, HEALTH DEPARTMENT AND/OR OTHER RELATED INDUSTRY STANDARDS. TEST REPORTS SHALL BE SUBMITTED FOR DOCUMENTATION.

M. COORDINATE MOUNTING OF FIXTURES AND TRIM WITH ARCHITECTURAL ELEVATIONS, MILLWORK, SPECIALTY EQUIPMENT AND ADA GRAB BARS.

N. FLOOR DRAINS AND FLOOR SINKS SHALL BE FLUSH TO FLOOR AND LOCATED AT A LOW POINT IN FLOOR UNLESS OTHERWISE NOTED ON THE PLANS. FLOOR DRAINS SHALL HAVE EITHER A TRAP PRIMER OR TRAP GUARD INSTALLED.

O. SLOPE SANITARY DRAINAGE PIPING 2 1/2" AND LESS MINIMUM OF 1/4" PER FOOT. SLOPE SANITARY DRAINAGE PIPING 3" AND LESS MINIMUM OF 1/8" PER FOOT.

P. PROVIDE SHUTOFF VALVES IN ALL DOMESTIC WATER PIPING SYSTEM BRANCHES SERVING TWO OR MORE FIXTURES.

Q. INSTALL PIPING SO ALL VALVES, STRAINERS, TRAPS, ETC. ARE ACCESSIBLE.

FIXTURES & FITTINGS LEGEND

	TEE OUTLET - UP
	TEE OUTLET - DOWN
	CONNECTION - BOTTOM
	CONNECTION TOP
	ELBOW - TURNED UP
	ELBOW - TURNED DOWN
	PIPE CAP
	UNION
	BALL VALVE
	BALANCING VALVE
	CHECK VALVE
	BUTTERFLY VALVE
	CONTROL VALVE, PNEUMATIC 2-WAY
	GATE VALVE
	PLUG VALVE
	PRESSURE REDUCING VALVE
	SOLENOID OPERATED VALVE
	GAS PRESSURE REGULATOR
CO	CLEAN OUT
FCO	FLOOR CLEAN OUT
WCO	WALL CLEAN OUT
HB	HOSE BIBB
NFHB	NON FREEZE HOSE BIBB
YH	YARD HYDRANT
FD	FLOOR DRAIN
FFD	FUNNEL FLOOR DRAIN
FS	FLOOR SINK
RD	ROOF DRAIN
	PIPE GUIDE
	PIPE ANCHOR
	FLEXIBLE PIPE CONNECTOR
	EXPANSION JOINT
WF	FLOW SWITCH
VS	TAMPER SWITCH
AQ	AQUASTAT PRESSURE
	THERMOMETER
	INLINE PUMP
A	WATER HAMMER ARRESTER
RPZ	REDUCED PRESSURE ZONE BACK FLOW PREVENTER
DC	DOUBLE CHECK VALVE ASSEMBLY
	SHOWER HEAD
	SPRINKLER HEAD
	POINT OF CONNECTION
	POINT OF REMOVAL

PIPING LEGEND

XX	PIPING
XX	PIPING BELOW GRADE
X	EXISTING PIPING
CW	COLD WATER
HW	HOT WATER
HWR	HOT WATER RECIRCULATING
SAN	SANITARY SEWER
AW	ACID WASTE
IW	INDIRECT WASTE
ST	STORM SEWER
CA	COMPRESSED AIR
LA	LABORATORY COMPRESSED AIR
MA	MEDICAL COMPRESSED AIR
CL	CHLORINATED WATER
DE	DEIONIZED WATER
DI	DISTILLED WATER
SW	SOFT WATER
DWC	CHILLED DRINKING WATER SUPPLY
DWR	CHILLED DRINKING WATER RECIRCULATING
LS	LAWN SPRINKLER SUPPLY
DF	DIESEL FUEL
FILL	FILL LINE
FOF	FUEL OIL FILL
FOG	FUEL OIL GAUGE
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
LO	LUBRICATING OIL
WO	WASTE OIL
G	GAS - LOW PRESSURE
MG	GAS - MEDIUM PRESSURE
HG	GAS - HIGH PRESSURE
LPG	LIQUIFIED PROPANE GAS
NLG	NON-LEADED GASOLINE
PG	PREMIUM GASOLINE
RG	REGULAR GASOLINE
H	HUMIDIFICATION LINE
O2	OXYGEN
LO2	LIQUID OXYGEN
N2	NITROGEN
NO2	NITROUS OXIDE
CO2	CARBON DIOXIDE
VA	VACUUM
VPD	VACUUM PUMP DISCHARGE
MV	MEDICAL VACUUM
LV	LABORATORY VACUUM
WVC	WET VACUUM CLEANING
DVC	DRY VACUUM CLEANING
SP	FIRE PROTECTION/SPRINKLER
V	VENT
AV	ACID WASTE VENT
GV	GAS VENT
FOV	FUEL OIL VENT
WOV	WASTE OIL VENT
	PLUMBING TO BE REMOVED

CPL | Architecture Engineering Planning
2875 Route 35 Suite 75-1,
Katonah, NY 10536
CPLteam.com

NY ENGINEERING FIRM CERTIFICATE #0021419

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Project Name
PHASE 3: 2023 BOND

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PROJECT ISSUE & REVISION SCHEDULE

#	Date	Description
1	11/11/26	BID ADDENDUM 2
2	11/13/2026	BID ADDENDUM 3

MONROE WOODBURY CSD
- ☐ MIDDLE SCHOOL SED NO. 44-12-01-06-0-009-017
- ☐ CONCESSION STAND SED NO. 44-12-01-06-7-034-001
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SHEET INFORMATION

Issued	Scale
10/23/2026	As indicated

Project Status
BID DOCUMENTS

Drawn By	Checked By
MLS	JJW

Drawing Title
PLUMBING LEGEND, NOTES, & SYSTEM DIAGRAMS

Drawing Number
NMES
P000

11/13/2026 2:04:51 PM <project location>\2D Design & Project Files on BIM 360