

ADDENDUM NO. 1
TO
CONTRACT DOCUMENTS
AND
TECHNICAL SPECIFICATIONS
FOR
VILLAGE OF WOODBURY BUILDING DEPARTMENT,
HIGHLAND MILLS, NY 10930

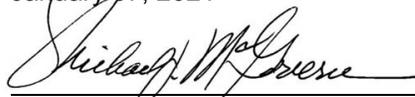
Village of Woodbury Building Department
19 Adams Street,
Highland Mills, NY 10930

Telephone No. 845-291-2750

Contact: Mr. Gary Thomasberger,
Building/Zoning Inspector Code Enforcement Officer

LAN Job #4.1365.07

January 07, 2021



Michael J. McGovern, RA
NYS #022257

1.0 General: The original contract documents issued **December 15, 2020** for this project are hereby amended as noted in this addendum which shall become part of said contract documents, as if originally included therein. Bidders must acknowledge receipt of this addendum and all other addenda on the proposal form when submitting proposals. In case any bidder fails to acknowledge receipt of addenda, his proposal will nevertheless be construed as though it has been received, acknowledged, and the submission of his proposal shall constitute acknowledgment by the bidder of the receipt of same.

2.0 Amendment to Application:

N/A

3.0 Amendments to Specifications:

Section No.	Page No.	Addendum Requirements
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N/A

4.0 Amendments to Drawings:

Drawing No.	Addendum Requirements
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5.0 Contractors RFI's/Questions:

No.	Question / Response
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I. SPECIFICATIONS

1. There is no specification for the Epoxy to provide further details for the flooring subcontractors. Please advise.

Response: Specification section 096723 "Resinous Flooring" is attached.

2. I have reviewed the contract document bid forms for the single prime contractor package for the Interior Renovations at the Village of Woodbury Building Department project. I would like to bring to your attention that the bid forms as issued do not comply with NYS Wicks Reform Law of 2008. If the project is budgeted to fall under \$500,000 as a single contract bid, the law requires that all Electric, Plumbing and Mechanical subcontractors are not only identified at the time of bid in name, but also in dollar amount.

NYS General Municipal Law 101(5) states;

"Each bidder on a public work contract, where **the preparation of separate specifications is not required** , shall submit with its bid a separate sealed list that names each subcontractor that the bidder will use to perform work on the contract, **and the agreed-upon amount to be paid to each**, for: (a) plumbing and gas fitting, (b)

steam heating, hot water heating, ventilating and air conditioning apparatus and (c) electric wiring and standard illuminating fixtures. After the low bid is announced, the sealed list of subcontractors submitted with such low bid shall be opened and the names of such subcontractors shall be announced, and thereafter any change of subcontractor or agreed-upon amount to be paid to each shall require the approval of the public owner, upon a showing presented to the public owner of legitimate construction need for such change, which shall be open to public inspection. Legitimate construction need shall include, but not be limited to, a change in project specifications, a change in construction material costs, a change to subcontractor status as determined pursuant to paragraph (e) of subdivision two of section two hundred twenty-two of the labor law, or the subcontractor has become otherwise unwilling, unable or unavailable to perform the subcontract. The sealed lists of subcontractors submitted by all other bidders shall be returned to them unopened after the contract award."

I am asking that the bid form be amended to reflect Wicks Reformed Law of 2008 as noted in the attached sample form.

Response: The bid form as presented is proper. Correct, each bidder shall submit with its bid a separate sealed list that names each subcontractor the bidder will use to perform the work on the contract, and the agreed-upon amount to be paid to each.

II. DRAWINGS

3. A5.01 – Sheet A5.01 detail #1 refers to section 4/A4.01 – Please provide Sheet A4.01 (missing).

Response: There is no sheet A4.01 in the drawing set. The section marker should be revised to read "4/A3.01."

4. A2.01 – Service Window "W01" Is the entire window to be provided or just the shelf & bracket as noted (9 & 10 – A2.01)? If yes, please provide spec and size.

Response: The window is part of the scope of work. The window shall be a frameless 4'-0" x 4'-0" pass-thru window. Refer to attached revised sheet A2.01 for additional information.

III. GENERAL

1. Can you tell me if there is any hazardous material removals that will need to be removed as part of the Woodbury Building Department Renovation project?

Response: Hazardous material abatement is not part of the scope of work for this project.

END OF ADDENDUM NO. 1

Attachments:

1. Attachment #1 "Sample" form attached to Specification Question #2.
2. Specification section 096723
3. Revised sheet A2.01

SAMPLE

1.2 LIST OF SUBCONTRACTORS

- A. Herewith is the list of subcontractors referenced in the bid submitted to be provide by the bidder as applicable

(BIDDER) _____

TO (OWNER) _____

Dated _____ and which is an integral part of the Bid Form.

- A. The following work will be performed (or provided) by Subcontractors and coordinated by us:

1. WORK SUBJECT SUBCONTRACTOR NAME And AMOUNT

HVAC _____ (\$ _____) DOLLARS

PLUMBING _____ (\$ _____) DOLLARS

ELECTRICAL _____ (\$ _____) DOLLARS

Note: If work is to be performed by bidder's own forces indicate "By Bidder".

END OF SECTION

RECEIVED
1/6/21

4.1523.01 - Addendum #1
Attachment #1

SECTION 096723 - RESINOUS FLOORING

PART 1 – GENERAL

1.01 RELATED DOCUMENTS

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

1.02 SUMMARY

- A. This section includes the following:
 - 1. Resinous flooring system as shown on the drawings and in schedules.
- B. Related sections include the following:
 - 1. Cast-in-Place Concrete, section 033000

1.03 SYSTEM DESCRIPTION

- A. The work shall consist of preparation of the substrate, the furnishing and application of a cementitious urethane based self-leveling seamless flooring system with decorative chip broadcast and Epoxy broadcast and topcoats.
- B. The system shall have the color and texture as specified by the Owner with a nominal thickness of 3/16 inch. It shall be applied to the prepared area(s) as defined in the plans strictly in accordance with the Manufacturer's recommendations.
- C. Cove base (if required) to be applied where noted on plans and per manufacturers standard details unless otherwise noted

1.04 SUBMITTALS

- A. Product Data: Latest edition of Manufacturer's literature including performance data and installation procedures.
- B. Manufacturer's Material Safety Data Sheet (MSDS) for each product being used.
- C. Samples: A 3 x 3 inch square sample of the proposed system. Color, texture, and thickness shall be representative of overall appearance of finished system subject to normal tolerances.

1.05 QUALITY ASSURANCE

- A. The Manufacturer shall have a minimum of 10 years experience in the production, sales, and technical support of epoxy and urethane industrial flooring and related materials.
- B. The Applicator shall have experience in installation of the flooring system as confirmed by the manufacturer in all phases of surface preparation and application of the product specified.
- C. No requests for substitutions shall be considered that would change the generic type of the specified System.
- D. System shall be in compliance with requirements of United States Department of Agriculture (USDA), Food, Drug Administration (FDA), and local Health Department.
- E. System shall be in compliance with the Indoor Air Quality requirements of California section 01350 as verified by a qualified independent testing laboratory.
- F. A pre-installation conference shall be held between Applicator, General Contractor and the Owner to review and clarification of this specification, application procedure, quality control, inspection and acceptance criteria and production schedule.

1.06 PRODUCT DELIVERY, STORAGE, AND HANDLING

A. Packing and Shipping

1. All components of the system shall be delivered to the site in the Manufacturer's packaging, clearly identified with the product type and batch number.

B. Storage and Protection

1. The Applicator shall be provided with a dry storage area for all components. The area shall be between 60 F and 85 F, dry, out of direct sunlight and in accordance with the Manufacturer's recommendations and relevant health and safety regulations.
2. Copies of Material Safety Data Sheets (MSDS) for all components shall be kept on site for review by the Engineer or other personnel.

C. Waste Disposal

1. The Applicator shall be provided with adequate disposal facilities for non-hazardous waste generated during installation of the system.

1.07 PROJECT CONDITIONS

A. Site Requirements

1. Application may proceed while air, material and substrate temperatures are between 60 F and 85 F providing the substrate temperature is above the dew point. Outside of this range, the Manufacturer shall be consulted.
2. The relative humidity in the specific location of the application shall be less than 85 % and the surface temperature shall be at least 5 F above the dew point.
3. The Applicator shall ensure that adequate ventilation is available for the work area. This shall include the use of manufacturer's approved fans, smooth bore tubing and closure of the work area.
4. The Applicator shall be supplied with adequate lighting equal to the final lighting level during the preparation and installation of the system.

B. Conditions of new concrete to be coated with cementitious urethane material.

1. Concrete shall be moisture cured for a minimum of 3 days and have fully cured a minimum of 5 days in accordance with ACI-308 prior to the application of the coating system pending moisture tests.
2. Concrete shall have a flat rubbed finish, float or light steel trowel finish (a hard steel trowel finish is neither necessary nor desirable).
3. Sealers and curing agents should not to be used.
4. Concrete shall have minimum design strength of 3,500 psi. and a maximum water/cement ratio of 0.45.
5. Concrete surfaces on grade shall have been constructed with a vapor barrier to protect against the effects of vapor transmission and possible delamination of the system.

C. Safety Requirements

1. All open flames and spark-producing equipment shall be removed from the work area prior to commencement of application.
2. "No Smoking" signs shall be posted at the entrances to the work area.
3. The Owner shall be responsible for the removal of foodstuffs from the work area.
4. Non-related personnel in the work area shall be kept to a minimum.

1.08 WARRANTY

- A. Manufacturer shall warrant that material shipped to buyers at the time of shipment substantially free from material defects and will perform substantially to Manufacturer published literature if used in accordance with the latest prescribed procedures and prior to the expiration date.
- B. Manufacturer liability with respect to this warranty is strictly limited to the value of the material purchase.

PART 2 – PRODUCTS

2.01 FLOORING

- A. Basis of Design: Dur-A-Flex, Inc, Hybri-Flex EC (self-leveling chip broadcast), epoxy/aliphatic urethane topcoat seamless flooring system.
 - 1. System Materials:
 - a. Topping: Dur-A-Flex, Inc, Poly-Crete MD resin, hardener and SL aggregate.
 - b. The broadcast aggregate shall be Dur-A-Flex, Inc. Macro, Microchip or Earthstone Chip Blend.
 - c. Broadcast: Dur-A-Flex, Inc. Dur-A-Glaze #4, epoxy based two-component resin.
 - d. Seal coats: Dur-A-Flex, Inc Dur-A-Glaze #4, epoxy-based, two-component resin.
 - e. Top coat: Dur-A-Flex, Inc. Armor Top aliphatic urethane 2 component resin with grit.
 - 2. Finish - Orange Peel Finish
 - 3. Patch Materials
 - a. Shallow Fill and Patching: Use Dur-A-Flex, Inc. Poly-Crete MD (up to ¼ inch).
 - b. Deep Fill and Sloping Material (over ¼ inch): Use Dur-A-Flex, Inc. Poly-Crete WR.

2.02 MANUFACTURER

- A. Basis of Design: Dur-A-Flex, Inc., 95 Goodwin Street, East Hartford, CT 06108, Phone: (860) 528-9838, Fax: (860) 528-2802
- B. Architect Approved Equal.

2.03 PRODUCT REQUIREMENTS

- | | |
|--|------------------------------|
| A. Topping | Poly-Crete SL |
| 1. Percent Reactive | 100 % |
| 2. VOC | 0 g/L |
| 3. Bond Strength to Concrete ASTM D 4541 | 400 psi, substrates fails |
| 4. Compressive Strength, ASTM C 579 | 9,000 psi |
| 5. Tensile Strength, ASTM D 638 | 2,175 psi |
| 6. Flexural Strength, ASTM D 790 | 5,076 psi |
| 7. Impact Resistance @ 125 mils, MIL D-3134,
No visible damage or deterioration | 160 inch lbs |
|
 | |
| B. Broadcast Coat | Dur-A-Glaze #4 Resin |
| 1. Percent Reactive, | 100 % |
| 2. VOC | <4 g/L |
| 3. Water Absorption, ASTM D 570 | 0.04% |
| 4. Tensile Strength, ASTM D 638 | 4000psi |
| 5. Coefficient of thermal expansion
ASTM D 696, | 2 x 10 ⁻⁵ in/in/F |
| 6. Flammability ASTM D-635 | Self-Extinguishing |
| 7. Flame Spread/ NFPA 101 ASTM E-84 | Class A |

C. Topcoat		Armor Top
1. VOC		0 g/L
2. 60 Degree Gloss ASTM D523		75+/-5
3. Mixed Viscosity, (Brookfield 25°C)		500 cps
4. Tensile strength, ASTM D 638		7,000 psi
5. Abrasion Resistance, ASTM D4060	Gloss	Satin
CS 17 wheel (1,000 g load) 1,000 cycles	4	8 mg loss with grit
	10	12 mg loss without grit
6. Pot life @ 70° F 50% RH		2 hours
7. Dry properties, 70°F, 50% R.H.		8 hours tack free, 12 hours Dry
60°F, 30% RH		12 hours tack free, 18 hours Dry
80°F, 70%RH		4 hours tack free, 6 hours Dry
8. Flash Point PMCC		186°F
9. Full Chemical resistance		7 days

PART 3 – EXECUTION

3.01 EXAMINATION

- A. Examine substrates, areas and conditions, with Applicator present, for compliance with requirements for maximum moisture content, installation tolerances and other conditions affecting flooring performance.
1. Verify that substrates and conditions are satisfactory for flooring installation and comply with requirements specified.

3.02 PREPARATION

A. General

1. Concrete surfaces shall be free of oil, grease, curing compounds, loose particles, moss, algae growth, laitance, friable matter, dirt, and bituminous products.
2. Moisture Testing: Perform tests recommended by manufacturer and as follows.
 - a. Perform anhydrous calcium chloride test ASTM F 1869-98. Application will proceed only when the vapor/moisture emission rates from the slab is less than and not higher than 20 lbs/1,000 sf/24 hrs.
 - b. Perform relative humidity test using is situ probes, ASTM F 2170. Proceed with installation only after substrates have a maximum 99% relative humidity level measurement.
 - c. If the vapor drive exceeds 99% relative humidity or 20 lbs/1,000 sf/24 hrs then the Owner and/or Engineer shall be notified and advised of additional cost for the possible installation of a vapor mitigation system that has been approved by the manufacturer or other means to lower the value to the acceptable limit.
3. Mechanical surface preparation
 - a. Shot blast all surfaces to receive flooring system with a mobile steel shot, dust recycling machine (Blastrac or equal). All surface and embedded accumulations of paint, toppings hardened concrete layers, laitance, power trowel finishes and other similar surface characteristics shall be completely removed leaving a bare concrete surface having a minimum profile of CSP 4-5 as described by the International Concrete Repair Institute.
 - b. Floor areas inaccessible to the mobile blast machines shall be mechanically abraded to the same degree of cleanliness, soundness and profile using diamond grinders, needle guns, bush hammers, or other suitable equipment.
 - c. Where the perimeter of the substrate to be coated is not adjacent to a wall or curb, a minimum 1/4 inch key cut shall be made to properly seat the system, providing a

smooth transition between areas. The detail cut shall also apply to drain perimeters and expansion joint edges.

- d. Cracks and joints (non-moving) greater than 1/8 inch wide are to be chiseled or chipped-out and repaired per manufacturer's recommendations.
4. At spalled or worn areas, mechanically remove loose or delaminated concrete to a sound concrete and patch per manufactures recommendations.

3.03 APPLICATION

A. General

1. The system shall be applied in five distinct steps as listed below:
 - a. Substrate preparation
 - b. Topping/overlay application with chip broadcast.
 - c. Resin application with chip broadcast.
 - d. Topcoat application
 - e. Second topcoat application.
2. Immediately prior to the application of any component of the system, the surface shall be dry and any remaining dust or loose particles shall be removed using a vacuum or clean, dry, oil-free compressed air.
3. The handling, mixing and addition of components shall be performed in a safe manner to achieve the desired results in accordance with the Manufacturer's recommendations.
4. The system shall follow the contour of the substrate unless pitching or other leveling work has been specified by the Architect.
5. A neat finish with well-defined boundaries and straight edges shall be provided by the applicator.

B. Topping

1. The topping shall be applied as a self-leveling system as specified by the Architect. The topping shall be applied in one lift with a nominal thickness of 1/8 inch.
2. The topping shall be comprised of three components, a resin, hardener and filler as supplied by the Manufacturer.
3. The hardener shall be added to the resin and thoroughly dispersed by suitably approved mechanical means. SL Aggregate shall then be added to the catalyzed mixture and mixed in a manner to achieve a homogenous blend.
4. The topping shall be applied over horizontal surfaces using 1/2 inch "v" notched squeegee, trowels or other systems approved by the Manufacturer.
5. Immediately upon placing, the topping shall be degassed with a loop roller.
6. Chip aggregate shall be broadcast to excess into the wet resin, Macro chip at the rate of 0.1 lbs/sf and Micro chip at the rate of 0.15 lbs/sf.
7. Allow material to fully cure. Vacuum, sweep and/or blow to remove all loose chips.

C. Broadcast

1. The broadcast coat resin shall be applied at the rate of 100 sf/gal.
2. The broadcast coat shall be comprised of liquid components, combined at a ratio of 2 parts resin to 1 part hardener by volume and shall be thoroughly blended by mechanical means such as a high speed paddle mixer.
3. Chip aggregate shall be broadcast into the wet resin, Macro chips at the rate of 0.1 lbs/sf, Micro chips at the rate of 0.15 lbs/sf.
4. Allow material to fully cure. Vacuum, sweep and/or blow to remove all loose chips.

D. Topcoat

1. The first topcoat shall be squeegee applied with a coverage rate of 100 sf/gal.
2. The topcoat shall be comprised of liquid components, combined at a ratio of 2 parts resin to 1 part hardener by volume and shall be thoroughly blended by mechanical means such as a high speed paddle mixer.
3. The first topcoat will be back rolled and cross rolled to provide a uniform texture and finish
2. The second topcoat with grit shall be roller applied with a coverage rate of 500 sf/gal.
3. The finish floor will have a nominal thickness of 3/16 inch.

3.04 FIELD QUALITY CONTROL

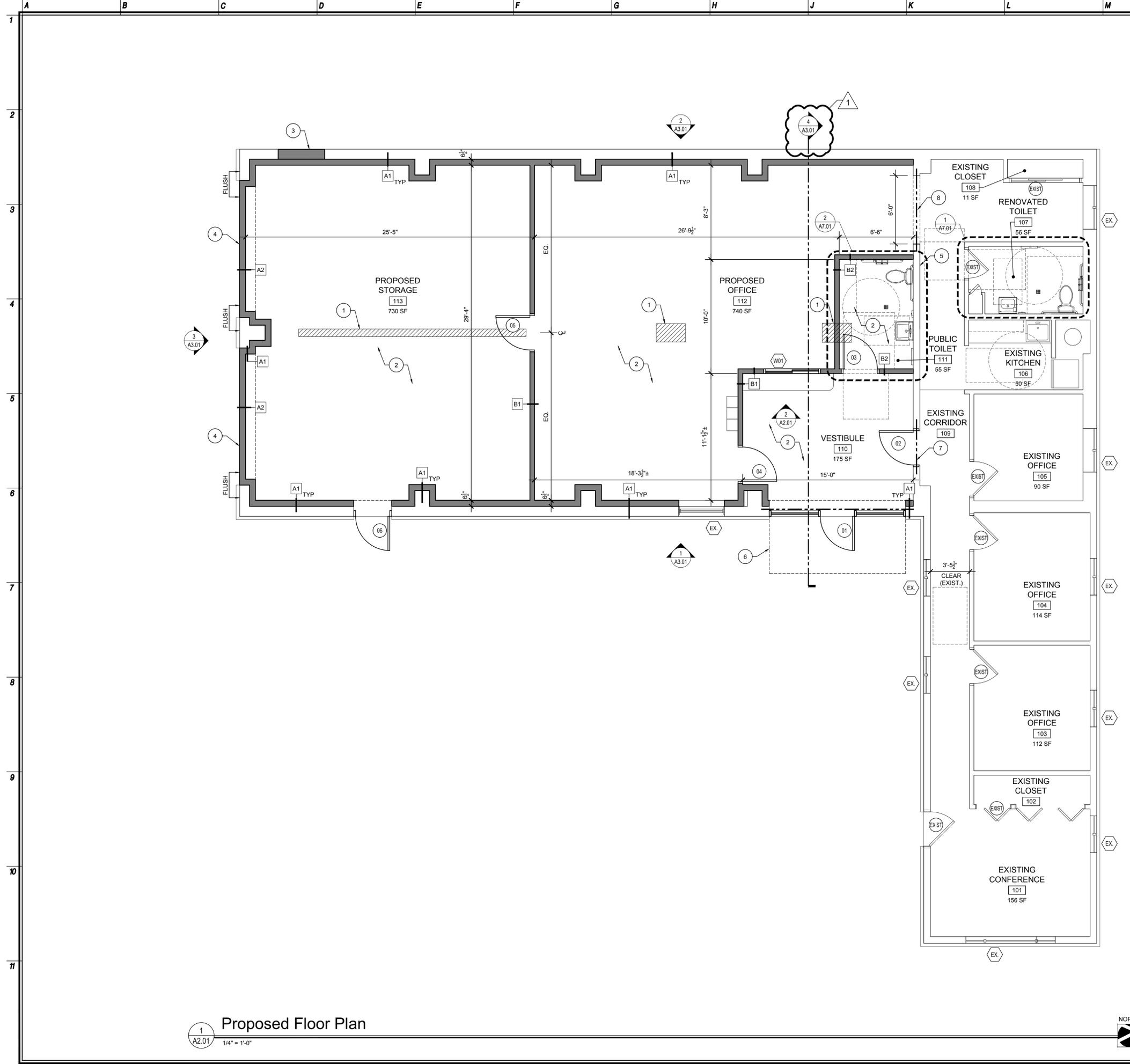
A. Tests, Inspection

1. The following tests shall be conducted by the Applicator:
 - a. Temperature
 1. Air, substrate temperatures and, if applicable, dew point.
 - b. Coverage Rates
 1. Rates for all layers shall be monitored by checking quantity of material used against the area covered.

3.05 CLEANING AND PROTECTION

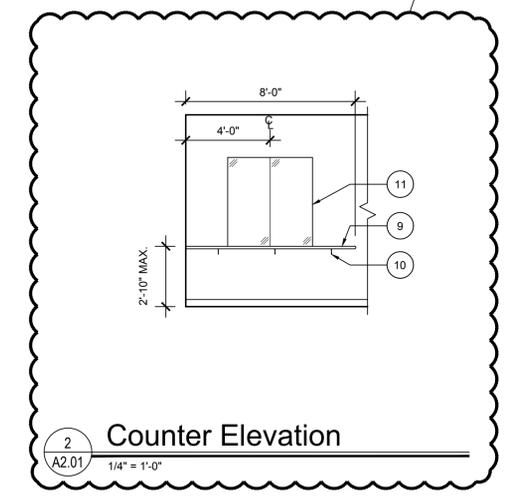
- A. Cure flooring material in compliance with manufacturer's directions, taking care to prevent their contamination during stages of application and prior to completion of the curing process.
- B. Remove masking. Perform detail cleaning at floor termination, to leave cleanable surface for subsequent work of other sections.

END OF SECTION 096723



Construction Key Notes

- # SYMBOL INDICATES CONSTRUCTION KEY NOTE
- CONTRACTOR SHALL CAP EXISTING PLUMBING LINES AND COMPLETELY FILL EXISTING TRENCH WITH CONCRETE SO THAT IT IS EVEN, LEVEL AND FLUSH WITH TOP OF EXISTING ADJACENT CONCRETE SLAB.
 - CONTRACTOR SHALL INSTALL SELF LEVELING UNDERLAYMENT. PREPARE EXISTING CONCRETE SLAB IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REFER TO SPECIFICATION SECTION 035416 FOR ADDITIONAL INFORMATION.
 - CONTRACTOR SHALL FURNISH AND INSTALL CONCRETE BLOCK AND INFILL MASONRY OPENING. CONTRACTOR SHALL SAW-TOOTH NEW BLOCK INTO EXISTING BLOCK TO CREATE A SEAMLESS TRANSITION. REFER TO DETAIL 11A8.01 FOR ADDITIONAL INFORMATION.
 - CONTRACTOR SHALL INFILL OPENING WITH WALL TYPE AS SPECIFIED. CONTRACTOR SHALL COORDINATE LOCATION OF WALL WITH THE EXISTING EXTERIOR SURFACE OF THE EXISTING WALL. INSTALLATION SHALL BE FLUSH, LEVEL, AND EVEN WITH EXISTING EXTERIOR WALL SURFACE.
 - PATCH WALL TO MATCH AT ABANDONED RETURN AIR GRILLE. NEW PATCH SHALL BE SMOOTH, LEVEL, AND FLUSH WITH EXISTING ADJACENT WALL SURFACE.
 - LINE OF PROPOSED CANOPY ABOVE. REFER TO SPECIFICATION SECTION 013125 FOR ADDITIONAL INFORMATION.
 - NEW LINTEL ABOVE EXISTING OPENING SHALL BE L4X3-1/2X1/4 LLV DOUBLE ANGLES. STEEL ANGLE TO BEAR 8" MINIMUM BEYOND OPENING. GROUT WALL SOLID UNDER BEARING FOR FULL HEIGHT OF OPENING.
 - NEW LINTEL ABOVE EXISTING OPENING SHALL BE L5X3-1/2X5/16 LLV DOUBLE ANGLES. STEEL ANGLE TO BEAR 8" MINIMUM BEYOND OPENING. GROUT WALL SOLID UNDER BEARING FOR FULL HEIGHT OF OPENING.
 - CONTRACTOR SHALL FURNISH AND INSTALL 18" DEEP, 1-1/2" SOLID SURFACE COUNTER. HEIGHT SHALL BE 2'-10" MAXIMUM ABOVE FINISH FLOOR.
 - CONTRACTOR SHALL FURNISH AND INSTALL CONCEALED ARM SUPPORT BRACKETS, MODEL # "EH-1212FM" AS MANUFACTURED BY "RAKKS"; OR APPROVED EQUAL. SPACING SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.
 - CONTRACTOR SHALL FURNISH AND INSTALL FRAMELESS PASS-THRU WINDOW. WINDOW MODEL SHALL BE "SH4848XXA" AS MANUFACTURED BY "C.R. LAURENCE CO., INC.". FINISH SHALL BE "SATIN ANODIZED." PANEL CONFIGURATION SHALL BE "XX." CONTRACTOR SHALL INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.



1
A2.01
Proposed Floor Plan
1/4" = 1'-0"



Date	12/28/20
Checked	MJM
Drawn	CC
MICHAEL J. MCGOVERN, P.A. REGISTERED ARCHITECT License No. 022257-1	
Revisions:	
1	Addendum #1 01/08/21
LAN ASSOCIATES engineering • planning • architecture • surveying 252 MAIN STREET, GOSHEN, NEW YORK 10924 (845)615-0350	
PROPOSED FLOOR PLAN Interior Renovations VILLAGE BUILDING DEPARTMENT (AKA OSWELER BUILDING) 19 ADAMS STREET HIGHLAND MILLS NEW YORK 10930	
Job No. 4.1523.01	
File No. 4152301A201	
A2.01	