

CONSTRUCTION ADDENDUM #1

VILLAGE OF GROTON

MUNICIPAL AND PUBLIC SAFETY BUILDING

308 MAIN STREET
GROTON, NEW YORK 13073

Beardsley Project #18118

MARCH 22, 2019

All bidders submitting proposals for the above project shall take note of the following Clarifications, Changes, Additions, and Deletions to the drawings and specifications that become part of the Contract. Receipt of this Addendum shall be acknowledged on the Bid Form. Drawings and Project Manual dated **FEBRUARY 28, 2019**, entitled "**MUNICIPAL AND PUBLIC SAFETY BUILDING, 308 MAIN STREET, GROTON, NY 13073**" are hereby amended, clarified, and modified as follows:

- 1-C1 CLARIFICATION – PRE-BID MEETING:
- Provided for reference purposes, see the attached March 12, 2019 Pre-Bid Conference Sign-in Sheet.
- 1-C2 CLARIFICATION - TIME AND DATE OF RECEIPT OF BIDS:
- **REVISE** Specification Section 00 21 00, Instructions to Bidders Part 1.1 Article A.3 to "Time and date of final receipt of Bids is 2:00 PM, local time, on Friday, April 5, 2019."
- 1-C3 CLARIFICATION – ROUGH ESTIMATES FOR BONDING:
- The following rough estimates are provided for bonding purposes only:
 - General Construction Contract - \$3.5 Million.
 - Plumbing Contract - \$300,000.
 - HVAC Contract - \$700,000.
 - Electrical Contract - \$500,000.
- 1-C4 CLARIFICATION - FENCING:
- Specification Section 32 31 13 shall govern for all fence material and finish requirements where conflicts exist with drawing details.
- 1-C5 CLARIFICATION - ROOFING:
- It is not intended for the roof system to be field seamed. Refer to Basis of Design product in Specifications for snap style panel.
 - Refer to drawing A-104 and Roof System A description, specifications, and manufacturer's standard recommendations for design intent at roof system.
 - Refer to detail 5/A-105 for detailing of vapor barrier/temporary roof over gypsum sheathing/rated thermal barrier (specified in section 09 21 16).



- 1-C6 CLARIFICATION – EXTERIOR ALUMINUM DOORS AND FRAMES:
- Intent is for all exterior aluminum curtainwalls, windows, doors and frames to receive a factory applied superior organic coating; Kynar 500 or equal. Color as selected by Architect from Manufacturer’s full range.
 - Interior aluminum doors and frames to receive clear anodized finishes.
- 1-C7 CLARIFICATION – SECTIONAL DOOR 148A:
- Minimum width of Sectional Door 148A at Police Garage 148 must meet 26’-0” clear in order to accommodate existing police department vehicle fleet. Basis of Design is Overhead Door Corporation Model 521 or equal.
- 1-C8 CLARIFICATION – STRUCTURAL LOADS:
- The partition load at the Community Room shall be assumed to be 300 plf.
 - Weight of fans at Fire Department Garage shall be assumed to be 500#.
 - Refer to S-103 general note 3 for pre-engineered metal building requirement for GC to provide sub framing support as required for mechanical unit AHU-4.
 - Refer to Detail 5/S-503 for support at roof openings which is in the GC contract. The actual hangers and trapeze supports for the unit AHU-4 itself are to be in accordance with specification 23 05 29 HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT.
- 1-C9 CLARIFICATION – ELECTRICAL WORK:
- Electrical Contract shall provide excavation and trenching at areas of electrical Work on site; including, but not limited to, excavation and trenching to new utility pole by utility provider located on C-104. The conductors and wire connection to the pole are by the utility.
- 1-C10 CLARIFICATION – DOCUMENT A101 – 2017 EXHIBIT A INSURANCE AND BONDS:
- Refer to specification 00 52 00 AGREEMENT, **REPLACE** document in Project Manual with attached document indicating insurance limits. ACORD Certificate of Insurance may be submitted after bidding by the Owner’s approved lowest responsible bidder.
- 1-C11 CLARIFICATION – ACCESS CONTROL:
- There are no door position sensors included in the project.
- 1-C12 CLARIFICATION – SPECIFICATION SECTION 28 20 00, VIDEO SURVEILLANCE:
- Specification indicates the minimum requirements for an analog switch system. It is also acceptable to provide an IP system with similar components for a complete and functional system.
- 1-C13 CLARIFICATION – CONTAMINATED SOILS:
- Beardsley Architects + Engineers is not aware of any contaminated soil materials on site. If encountered during construction a contract modification will be made in accordance with the contract provisions for changes in the work.

- 1-S1 REFER TO SPECIFICATION SECTION 00 21 00, INSTRUCTIONS TO BIDDERS:
- **REVISE** Part 1.1 Article A.3 to “Time and date of final receipt of Bids is 2:00 PM, local time, on Friday, April 5, 2019.
- 1-S2 REFER TO SPECIFICATION SECTIONS 00 01 15 LIST OF DRAWING SHEETS, 01 12 00
MULTIPLE CONTRACT SUMMARY AND DRAWING G-000 COVER SHEET:
- **REVISE** Drawing List on all drawings and specifications per attached AD1 SK02.
- 1-S3 REFER TO SPECIFICATION SECTION 07 41 13, METAL ROOF PANELS:
- At Part 2.2, Article B.3, **REVISE** “for field seaming with special tool” to “for snap-on application of separate, matching standing seam batten”.
 - At Part 2.4, Article B.2, **REVISE** Thickness to “16 gage, 0.0598 inch.”
 - At Part 2.7, Article D, **DELETE** “faced with white, flexible, non-dusting vapor retarder”.
- 1-S4 REFER TO SPECIFICATION SECTION 07 42 13, METAL WALL PANELS:
- **REPLACE** specification section in its entirety with attached specification.
- 1-S5 REFER TO SPECIFICATION SECTION 07 42 13.19, INSULATED METAL WALL PANELS:
- At Part 2.2, Article B, **ADD** paragraph “5. Fire Test Response Characteristics: Provide metal wall panels and system components with the following fire-test-response characteristics, as determined by testing identical panels and system components per test method indicated below by UL or another testing and inspecting agency acceptable to authorities having jurisdiction. Identify products with appropriate markings of applicable testing agency.
 1. Fire-Resistance Characteristics: Provide materials and construction tested for fire resistance per ASTM E 119.
 2. Intermediate-Scale Multistory Fire Test: Tested mockup, representative of completed multistory wall assembly of which wall panel is a part, complies with NFPA 285 for test method and required fire-test-response characteristics of exterior non-load-bearing wall panel assemblies.
 3. Radiant Heat Exposure: No ignition when tested according to NFPA 268.
 4. Potential Heat: Acceptable level when tested according to NFPA 259.
 5. Surface-Burning Characteristics: Provide wall panels with a flame-spread index of 25 or less and a smoke-developed index of 450 or less, per ASTM E 84.”
- 1-S6 REFER TO SPECIFICATION SECTION 28 15 00, ACCESS CONTROL HARDWARE
DEVICES:
- **REVISE** Part 2.3, Article B to read “Subject to compliance with the requirements, available manufacturer’s offering products that may be incorporated into the work include, but are not limited to, the following:”.
- 1-D1 REFER TO DRAWING G-001 SYMBOLS & ABBREVIATIONS:
- **ADD** “VIF VERIFY IN FIELD” to General Abbreviations list.

- 1-D2 REFER TO DRAWING G-101 FIRST FLOOR FIRE AND LIFE SAFETY PLAN – CODE REVIEW:
- At Code Summary Table, Fire Area Calculations, **MODIFY** description to read “THE ALLOWABLE FIRE AREA OF A BUSINESS BUILDING IS 92,000 SF PER TABLE 506.2. THE CALCULATED FIRE AREA IS 18,256 SF THUS *COMPLIES* WITH THE BUILDING CODE OF NEW YORK STATE.”
- 1-D3 REFER TO DRAWING C-102 SITE LAYOUT & IMPROVEMENTS PLAN:
- **REVISE** demolition of existing sidewalk and curb at the southeast corner of the site. Modify north side of existing driveway apron/curb cut, maintain 12’ typical width for neighboring driveway at house number 316.
 - **REVISE** drawing to extend the demolition of the existing sidewalk and curb through all the way to the corner of Railroad Avenue and Main Street.
- 1-D4 REFER TO DRAWING C-101 EXISTING CONDITIONS AND REMOVAL PLAN:
- **REVISE** concrete sidewalk to continue through the proposed driveway apron along Main Street. No detectable warning units are required at this location.
 - **REVISE** note at the southern sidewalk connection to read “COORDINATE FULL CURB AND TAPER WITH VILLAGE OF GROTON. MUST PROTECT NEIGHBORING DRIVEWAY DURING CONSTRUCTION. MEET AND MATCH EXISTING SIDEWALK (1” REVEAL CURB AT CURB CUTS).”
 - **ADD** new sidewalk and curb ramps up to corner of Railroad Avenue and Main Street. Provide ADA compliance with proper cross and running slopes as well as cast iron detectable warning units.
- 1-D5 REFER TO DRAWING A-105 STANDING SEAM METAL ROOFING DETAILS:
- At detail 1, **REVISE** “1/2” PLYWOOD SHEATHING” to “SHEATHING”.
 - At detail 6, **REVISE** “WOOD SHEATHING” TO “SHEATHING”.
- 1-D6 REFER TO DRAWING E-001 ROOM SYMBOLS AND ABBREVIATIONS:
- **REVISE** Fire Alarm Symbols list per attached AD1 SK01.
- 1-D7 REFER TO DRAWING E-601 SCHEDULES:
- **ADD** note at Detail A/E-601, “Provide two (2) 4” conduits from transformer to 10’-0” above grade at new utility pole. Coordinate conduit size required with utility provider.”
 - At Light Fixture Schedule, Type L1, **DELETE** remarks text for type L1 and **REPLACE** with the following text: “Provide Aria WDS controller and remote touch screen controller. Provide all accessories necessary. Coordinate with owner and manufacturer’s representative.”

END OF ADDENDUM #1

Pre-Bid Conference Sign-in Sheet

Mike Vorhees; McPhearson Builders; 607.327.1807; mike.vorheis@mcphearsonbuilders.com

DRAFT AIA® Document A101™ – 2017

Exhibit A

Insurance and Bonds

This Insurance and Bonds Exhibit is part of the Agreement, between the Owner and the Contractor, dated the « » day of « » in the year «Two-Thousand Nineteen »

(In words, indicate day, month and year.)

for the following **PROJECT**:

(Name and location or address)

« Proposed Municipal and Public Safety Building for the Village of Groton »
«308 Main Street »
« Groton, NY 13073»

THE OWNER:

(Name, legal status and address)

« « Village of Groton »
« 43 Cortland Street »
« Groton, NY 13073 »

THE CONTRACTOR:

(Name, legal status and address)

«

TABLE OF ARTICLES

- A.1 GENERAL
- A.2 OWNER'S INSURANCE
- A.3 CONTRACTOR'S INSURANCE AND BONDS
- A.4 SPECIAL TERMS AND CONDITIONS

ARTICLE A.1 GENERAL

The Owner and Contractor shall purchase and maintain insurance, and provide bonds, as set forth in this Exhibit. As used in this Exhibit, the term General Conditions refers to AIA Document A201™–2017, General Conditions of the Contract for Construction.

ARTICLE A.2 OWNER'S INSURANCE

§ A.2.1 General

Prior to commencement of the Work, the Owner shall secure the insurance, and provide evidence of the coverage, required under this Article A.2 and, upon the Contractor's request, provide a copy of the property insurance policy or policies required by Section A.2.3. The copy of the policy or policies provided shall contain all applicable conditions, definitions, exclusions, and endorsements.

ADDITIONS AND DELETIONS:

The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

This document is intended to be used in conjunction with AIA Document A201™–2017, General Conditions of the Contract for Construction. Article 11 of A201™–2017 contains additional insurance provisions.

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§ A.2.2 Liability Insurance

The Owner shall be responsible for purchasing and maintaining the Owner's usual general liability insurance.

§ A.2.3 Required Property Insurance

§ A.2.3.1 Unless this obligation is placed on the Contractor pursuant to Section A.3.3.2.1, the Owner shall purchase and maintain, from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located, property insurance written on a builder's risk "all-risks" completed value or equivalent policy form and sufficient to cover the total value of the entire Project on a replacement cost basis. The Owner's property insurance coverage shall be no less than the amount of the initial Contract Sum, plus the value of subsequent Modifications and labor performed and materials or equipment supplied by others. The property insurance shall be maintained until Substantial Completion and thereafter as provided in Section A.2.3.1.3, unless otherwise provided in the Contract Documents or otherwise agreed in writing by the parties to this Agreement. This insurance shall include the interests of the Owner, Contractor, Subcontractors, and Sub-subcontractors in the Project as insureds. This insurance shall include the interests of mortgagees as loss payees.

§ A.2.3.1.1 **Causes of Loss.** The insurance required by this Section A.2.3.1 shall provide coverage for direct physical loss or damage, and shall not exclude the risks of fire, explosion, theft, vandalism, malicious mischief, collapse, earthquake, flood, or windstorm. The insurance shall also provide coverage for ensuing loss or resulting damage from error, omission, or deficiency in construction methods, design, specifications, workmanship, or materials.

§ A.2.3.1.2 **Specific Required Coverages.** The insurance required by this Section A.2.3.1 shall provide coverage for loss or damage to falsework and other temporary structures, and to building systems from testing and startup. The insurance shall also cover debris removal, including demolition occasioned by enforcement of any applicable legal requirements, and reasonable compensation for the Architect's and Contractor's services and expenses required as a result of such insured loss, including claim preparation expenses.

§ A.2.3.1.3 Unless the parties agree otherwise, upon Substantial Completion, the Owner shall continue the insurance required by Section A.2.3.1 or, if necessary, replace the insurance policy required under Section A.2.3.1 with property insurance written for the total value of the Project that shall remain in effect until expiration of the period for correction of the Work set forth in Section 12.2.2 of the General Conditions.

§ A.2.3.1.4 **Deductibles and Self-Insured Retentions.** If the insurance required by this Section A.2.3 is subject to deductibles or self-insured retentions, the Owner shall be responsible for all loss not covered because of such deductibles or retentions.

§ A.2.3.2 **Occupancy or Use Prior to Substantial Completion.** The Owner's occupancy or use of any completed or partially completed portion of the Work prior to Substantial Completion shall not commence until the insurance company or companies providing the insurance under Section A.2.3.1 have consented in writing to the continuance of coverage. The Owner and the Contractor shall take no action with respect to partial occupancy or use that would cause cancellation, lapse, or reduction of insurance, unless they agree otherwise in writing.

§ A.2.3.3 Insurance for Existing Structures

If the Work involves remodeling an existing structure or constructing an addition to an existing structure, the Owner shall purchase and maintain, until the expiration of the period for correction of Work as set forth in Section 12.2.2 of the General Conditions, "all-risks" property insurance, on a replacement cost basis, protecting the existing structure against direct physical loss or damage from the causes of loss identified in Section A.2.3.1, notwithstanding the undertaking of the Work. The Owner shall be responsible for all co-insurance penalties.

§ A.2.4 Optional Extended Property Insurance.

The Owner shall purchase and maintain the insurance selected and described below.

(Select the types of insurance the Owner is required to purchase and maintain by placing an X in the box(es) next to the description(s) of selected insurance. For each type of insurance selected, indicate applicable limits of coverage or other conditions in the fill point below the selected item.)

[] § A.2.4.1 **Loss of Use, Business Interruption, and Delay in Completion Insurance**, to reimburse the Owner for loss of use of the Owner's property, or the inability to conduct normal operations due to a

covered cause of loss.

« »

- [« »] **§ A.2.4.2 Ordinance or Law Insurance**, for the reasonable and necessary costs to satisfy the minimum requirements of the enforcement of any law or ordinance regulating the demolition, construction, repair, replacement or use of the Project.

« »

- [« »] **§ A.2.4.3 Expediting Cost Insurance**, for the reasonable and necessary costs for the temporary repair of damage to insured property, and to expedite the permanent repair or replacement of the damaged property.

« »

- [« »] **§ A.2.4.4 Extra Expense Insurance**, to provide reimbursement of the reasonable and necessary excess costs incurred during the period of restoration or repair of the damaged property that are over and above the total costs that would normally have been incurred during the same period of time had no loss or damage occurred.

« »

- [« »] **§ A.2.4.5 Civil Authority Insurance**, for losses or costs arising from an order of a civil authority prohibiting access to the Project, provided such order is the direct result of physical damage covered under the required property insurance.

« »

- [« »] **§ A.2.4.6 Ingress/Egress Insurance**, for loss due to the necessary interruption of the insured's business due to physical prevention of ingress to, or egress from, the Project as a direct result of physical damage.

« »

- [« »] **§ A.2.4.7 Soft Costs Insurance**, to reimburse the Owner for costs due to the delay of completion of the Work, arising out of physical loss or damage covered by the required property insurance: including construction loan fees; leasing and marketing expenses; additional fees, including those of architects, engineers, consultants, attorneys and accountants, needed for the completion of the construction, repairs, or reconstruction; and carrying costs such as property taxes, building permits, additional interest on loans, realty taxes, and insurance premiums over and above normal expenses.

« »

ARTICLE A.3 CONTRACTOR'S INSURANCE AND BONDS

§ A.3.1 General

§ A.3.1.1 Certificates of Insurance. The Contractor and all Subcontractors shall provide certificates of insurance acceptable to the Owner evidencing compliance with the requirements in this Article A.3 at the following times: (1) prior to commencement of the Work; (2) upon renewal or replacement of each required policy of insurance; and (3) upon the Owner's written request. An additional certificate evidencing continuation of commercial liability coverage, including coverage for completed operations, shall be submitted with the final Application for Payment and thereafter upon renewal or replacement of such coverage until the expiration of the periods required by Section A.3.2.1 and Section A.3.3.1. The certificates will show the Owner as an additional insured on the

Contractor's and Subcontractors Commercial General Liability and excess or umbrella liability policy and automobile policy or policies.

§ A.3.1.2 Deductibles and Self-Insured Retentions. The Contractor and Subcontractors shall disclose to the Owner any deductible or self-insured retentions applicable to any insurance required to be provided by the Contractor.

§ A.3.1.3 Additional Insured Obligations. To the fullest extent permitted by law, the Contractor and Subcontractors shall cause the commercial general liability coverage to include (1) the Owner, the Architect, and the Architect's consultants as additional insureds for claims caused in whole or in part by the Contractor's negligent acts or omissions during the Contractor's operations; and (2) the Owner as an additional insured for claims caused in whole or in part by the Contractor's negligent acts or omissions for which loss occurs during completed operations. The additional insured coverage shall be primary and non-contributory to any of the Owner's general liability insurance policies and shall apply to both ongoing and completed operations. To the extent commercially available, the additional insured coverage shall be no less than that provided by Insurance Services Office, Inc. (ISO) forms CG 20 10 07 04, CG 20 37 07 04, and, with respect to the Architect and the Architect's consultants, CG 20 32 07 04.

§ A.3.2 Contractor's Required Insurance Coverage

§ A.3.2.1 The Contractor and all Subcontractors shall purchase and maintain the following types and limits of insurance from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located. The Contractor shall maintain the required insurance until the expiration of the period for correction of Work as set forth in Section 12.2.2 of the General Conditions, unless a different duration is stated below:

(If the Contractor is required to maintain insurance for a duration other than the expiration of the period for correction of Work, state the duration.)

« »

§ A.3.2.2 Commercial General Liability

§ A.3.2.2.1 Commercial General Liability insurance for the Project written on an occurrence form with policy limits of not less than «One Million» (\$«1,000,000») each occurrence, «One Million» (\$«1,000,000») general aggregate, and «One Million» (\$«1,000,000») aggregate for products-completed operations hazard, providing coverage for claims including

- .1 damages because of bodily injury, sickness or disease, including occupational sickness or disease, and death of any person;
- .2 personal injury and advertising injury, One Million (\$1,000,000) aggregate, One Million (\$1,000,000) each occurrence;
- .3 damages because of physical damage to or destruction of tangible property, including the loss of use of such property;
- .4 damage to rental premises, Fifty Thousand (\$50,000);
- .5 medical expenses (per person), Five Thousand (\$5,000);
- .6 bodily injury or property damage arising out of completed operations; and
- .7 the Contractor's indemnity obligations under Section 3.18 of the General Conditions.

§ A.3.2.2.2 The Contractor's Commercial General Liability policy under this Section A.3.2.2 shall not contain an exclusion or restriction of coverage for the following:

- .1 Claims by one insured against another insured, if the exclusion or restriction is based solely on the fact that the claimant is an insured, and there would otherwise be coverage for the claim.
- .2 Claims for property damage to the Contractor's Work arising out of the products-completed operations hazard where the damaged Work or the Work out of which the damage arises was performed by a Subcontractor.
- .3 Claims for bodily injury other than to employees of the insured.
- .4 Claims for indemnity under Section 3.18 of the General Conditions arising out of injury to employees of the insured.
- .5 Claims or loss excluded under a prior work endorsement or other similar exclusionary language.
- .6 Claims or loss due to physical damage under a prior injury endorsement or similar exclusionary language.

- .7 Claims related to residential, multi-family, or other habitational projects, if the Work is to be performed on such a project.
- .8 Claims related to roofing, if the Work involves roofing.
- .9 Claims related to exterior insulation finish systems (EIFS), synthetic stucco or similar exterior coatings or surfaces, if the Work involves such coatings or surfaces.
- .10 Claims related to earth subsidence or movement, where the Work involves such hazards.
- .11 Claims related to explosion, collapse and underground hazards, where the Work involves such hazards.

§ A.3.2.3 Automobile Liability covering vehicles owned, and non-owned vehicles used, by the Contractor, with policy limits of not less than «Two Million» (\$«2,000,000») per accident, for bodily injury, death of any person, and property damage arising out of the ownership, maintenance and use of those motor vehicles along with any other statutorily required automobile coverage.

§ A.3.2.4 Umbrella Liability Insurance: The Umbrella Liability Insurance coverage shall provide additional limits of liability over and above the General Liability and Automobile Liability coverages required by this Agreement.

Each Occurrence Limit	\$5,000,000
Aggregate	\$5,000,000

§ A.3.2.5 Workers' Compensation at statutory limits.

§ A.3.2.6 Employers' Liability with policy limits not less than «Five Hundred Thousand» (\$«500,000») each accident, «Five Hundred Thousand» (\$«500,000») each employee, and «Five Hundred Thousand» (\$«500,000») policy limit.

§ A.3.3 Contractor's Other Insurance Coverage

§ A.3.3.1 Insurance selected and described in this Section A.3.3 shall be purchased from an insurance company or insurance companies lawfully authorized to issue insurance in the jurisdiction where the Project is located. The Contractor shall maintain the required insurance until the expiration of the period for correction of Work as set forth in Section 12.2.2 of the General Conditions, unless a different duration is stated below:

(If the Contractor is required to maintain any of the types of insurance selected below for a duration other than the expiration of the period for correction of Work, state the duration.)

« Each Contractor shall maintain all required insurance under this Article for not less than three years after Final Payment. »

§ A.3.3.2 The Contractor shall purchase and maintain the following types and limits of insurance in accordance with Section A.3.3.1.

(Select the types of insurance the Contractor is required to purchase and maintain by placing an X in the box(es) next to the description(s) of selected insurance. Where policy limits are provided, include the policy limit in the appropriate fill point.)

- [] § A.3.3.2.1 Property insurance of the same type and scope satisfying the requirements identified in Section A.2.3, which, if selected in this section A.3.3.2.1, relieves the Owner of the responsibility to purchase and maintain such insurance except insurance required by Section A.2.3.1.3 and Section A.2.3.3. The Contractor shall comply with all obligations of the Owner under Section A.2.3 except to the extent provided below. The Contractor shall disclose to the Owner the amount of any deductible, and the Owner shall be responsible for losses within the deductible. Upon request, the Contractor shall provide the Owner with a copy of the property insurance policy or policies required. The Owner shall adjust and settle the loss with the insurer and be the trustee of the proceeds of the property insurance in accordance with Article 11 of the General Conditions unless otherwise set forth below:
(Where the Contractor's obligation to provide property insurance differs from the Owner's obligations as described under Section A.2.3, indicate such differences in the space below.

Additionally, if a party other than the Owner will be responsible for adjusting and settling a loss with the insurer and acting as the trustee of the proceeds of property insurance in accordance with Article 11 of the General Conditions, indicate the responsible party below.)

« »

[« »] § A.3.3.2.4 Insurance for physical damage to property while it is in storage and in transit to the construction site on an “all-risks” completed value form.

[« »] § A.3.3.2.5 Property insurance on an “all-risks” completed value form, covering property owned by the Contractor and used on the Project, including scaffolding and other equipment.

§ A.3.4 Performance Bond and Payment Bond

The Contractor shall provide surety bonds, from a company or companies lawfully authorized to issue surety bonds in the jurisdiction where the Project is located, as follows:
(Specify type and penal sum of bonds.)

Type	Penal Sum (\$0.00)
Payment Bond	
Performance Bond	

Payment and Performance Bonds shall be written on an unmodified AIA Document A311 Feb 1970 ed., Payment Bond and Performance Bond.

ARTICLE A.4 SPECIAL TERMS AND CONDITIONS

Special terms and conditions that modify this Insurance and Bonds Exhibit, if any, are as follows:

« None »

SECTION 07 42 13
METAL WALL PANELS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Manufactured metal panels for exterior wall panels, soffit panels, and subgirt framing assembly, with related flashings and accessory components to be installed over an insulated composite backup panel system.

1.2 RELATED REQUIREMENTS

- A. Section 05 40 00 - Cold-Formed Metal Framing: Wall panel substrate.
- B. Section 07 25 00 - Weather Barriers: Weather barrier under wall panels.
- C. Section 07 42 13.19 - Insulated Metal Wall Panels: Weather barrier under wall panels.
- D. Section 07 92 00 - Joint Sealants: Sealing joints between metal wall panel system and adjacent construction.

1.3 REFERENCE STANDARDS

- A. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix); 2013.
- B. AAMA 609 & 610 - Cleaning and Maintenance Guide for Architecturally Finished Aluminum (Combined Document); 2015.
- C. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2015.
- D. ASTM A792/A792M - Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process; 2010 (Reapproved 2015).
- E. ASTM B209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2014.
- F. ASTM B209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate (Metric); 2014.
- G. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2015a.

1.4 SUBMITTALS

- A. Shop Drawings: Indicate dimensions, layout, joints, construction details, and methods of anchorage.

- B. Samples: Submit two samples of wall panel and soffit panel, 12 inch by 12 inch in size illustrating finish color, sheen, and texture.
- C. Manufacturer's Qualification Statement.
- D. Installer's Qualification Statement.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.
- B. Installer Qualifications: Company specializing in installing products of the type specified in this section with minimum three years of documented experience.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Protect panels from accelerated weathering by removing or venting sheet plastic shipping wrap.
- B. Store prefinished material off the ground and protected from weather; prevent twisting, bending, or abrasion; provide ventilation; slope metal sheets to ensure proper drainage.
- C. Prevent contact with materials that may cause discoloration or staining of products.

1.7 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.
- B. Correct defective work within a twenty year period after Date of Substantial Completion for degradation of panel finish, including color fading caused by exposure to weather.
- C. Correct defective work within a five year period after Date of Substantial Completion, including defects in water tightness and integrity of seals.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Basis of Design: Centria; Concept Series CS-620 Panel, Intercept Entyre Panels, IW-10A Series Soffit Panel: www.centria.com.
- B. Metal Wall Panels - Concealed Fasteners:
 - 1. ATAS International, Inc: www.atas.com.
 - 2. Berridge Manufacturing Company: www.berridge.com.
 - 3. Centria: www.centria.com.
 - 4. Englert, Inc: www.englertinc.com.

5. Petersen Aluminum Corporation: www.pac-clad.com/#sle.

C. Metal Soffit Panels:

1. ATAS International, Inc; Wind-Lok Soffit MPS 120: www.atas.com/#sle.
2. Berridge Manufacturing Company; FW-1025 Panel: www.berridge.com/#sle.
3. Centria: www.centria.com..

2.2 MANUFACTURED METAL PANELS

A. Wall Panel System: Factory fabricated prefinished metal panel system, site assembled.

1. Provide exterior wall panels, interior liner panels, soffit panels, and subgirt framing assembly.
2. Design and size components to support assembly dead loads, and to withstand live loads caused by positive and negative wind pressure acting normal to plane of wall.
3. Design Pressure: In accordance with applicable codes.
4. Maximum Allowable Deflection of Panel: $L/180$ for length(L) of span.
5. Movement: Accommodate movement within system without damage to components or deterioration of seals, movement between system and perimeter components when subject to seasonal temperature cycling; dynamic loading and release of loads; and deflection of structural support framing.
6. Drainage: Provide positive drainage to exterior for moisture entering or condensation occurring within panel system.
7. Fabrication: Formed true to shape, accurate in size, square, and free from distortion or defects; pieces of longest practical lengths.
8. Corners: Factory-fabricated in one continuous piece with minimum 2 inch returns.
9. Provide continuity of air barrier and vapor retarder seal at building enclosure elements in accordance with materials specified in Section 07 25 00.

B. Exterior Wall Panels:

1. Profile: Horizontal; style as indicated.
2. Side Seams: Double-interlocked, tight-fitting, sealed with continuous gaskets.
3. Material: Precoated aluminum sheet, 20 gage, 0.032 inch minimum thickness.
4. Panel Coverage: 16 inches.
5. Panel Height: 7/8".

6. Color: As selected by Architect from manufacturer's standard line.
 7. Exterior Finish: Three-coat fluoropolymer complying with ASTM A 755.
- C. Soffit Panels:
1. Profile: Style as indicated.
 2. Color: As selected by Architect from manufacturer's standard line.
- D. Subgirt Framing Assembly:
1. Profile as indicated; to attach panel system to building.
- E. Internal and External Corners: Same material, thickness, and finish as exterior sheets; profile to suit system; shop cut and factory mitered to required angles.
- F. Expansion Joints: Same material, thickness and finish as exterior sheets; manufacturer's brake formed type, of profile to suit system.
- G. Trim, Closure Pieces, Flashings, and fascias: Same material, thickness and finish as exterior sheets; brake formed to required profiles.
- H. Anchors: Galvanized steel or Aluminum as required to minimize galvanic action with panel system.

2.3 MATERIALS

- A. Precoated Aluminum Sheet: ASTM B209 (ASTM B209M), 3105 alloy, O temper, smooth surface texture; continuous-coil-coated on exposed surfaces with specified finish coating and on panel back with specified panel back coating.

2.4 FINISHES

- A. Panel Backside Finish: Panel manufacturer's standard siliconized polyester wash coat.
- B. Fluoropolymer Coating System: Polyvinylidene fluoride (PVDF) multi-coat superior performing organic coatings system complying with AAMA 2605, including at least 70 percent PVDF resin, and at least 80 percent of surfaces having minimum total dry film thickness (DFT) of 0.9 mil, 0.0009 inch; color and gloss as selected by Architect from manufacturer's standard line.

2.5 ACCESSORIES

- A. Gaskets: Manufacturer's standard type suitable for use with system, permanently resilient; ultraviolet and ozone resistant.
- B. Exposed Sealant: Elastomeric; silicone, polyurethane, or silyl-terminated polyether/polyurethane.
- C. Fasteners: Manufacturer's standard type to suit application; with soft neoprene washers.

1. Metal-to-Metal Fasteners: Self-drilling, self-tapping screws.
- D. Field Touch-up Paint: As recommended by panel manufacturer.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that building framing members are ready to receive panels.
- B. Verify that weather barrier has been installed over substrate completely and correctly.

3.2 PREPARATION

- A. Install subgirts perpendicular to panel length, securely fastened to substrates and shimmed and leveled to uniform plane. Space at 24 inches on center, maximum or as required by manufacturer.

3.3 INSTALLATION

- A. Install panels on walls and soffits in accordance with manufacturer's instructions.
- B. Protect surfaces in contact with cementitious materials and dissimilar metals with bituminous paint. Allow to dry prior to installation.
- C. Fasten panels to structural supports; aligned, level, and plumb.
- D. Provide expansion joints where indicated.
- E. Use concealed fasteners unless otherwise approved by Architect.
- F. Seal and place gaskets to prevent weather penetration. Maintain neat appearance.

3.4 TOLERANCES

- A. Maximum Offset From True Alignment Between Adjacent Members Butting or In Line: 1/16 inch.
- B. Maximum Variation from Plane or Location Indicated on Drawings: 1/4 inch.

3.5 CLEANING

- A. Remove site cuttings from finish surfaces.
- B. Remove protective material from wall panel surfaces.
- C. Clean and wash prefinished surfaces with mild soap and water; rinse with clean water.
- D. Upon completion of installation, thoroughly clean prefinished aluminum surfaces in accordance with AAMA 609 & 610.

END OF SECTION

FIRE ALARM SYMBOLS

FACU	FIRE ALARM CONTROL UNIT
FAA	FIRE ALARM ANNUNCIATOR
F	MANUAL PULL STATION; MOUNT AT 4'-0" AFF UNO
HD	HEAT DETECTOR, COMBINATION FIXED TEMPERATURE RATE OF RISE
SD	SMOKE DETECTOR (PHOTOELECTRIC TYPE)
SD_S	SMOKE DETECTOR WITH A SOUNDER BASE
DD	DUCT MOUNTED SMOKE DETECTOR (PHOTOELECTRIC TYPE)
FK #cd #db	FIRE ALARM NOTIFICATION APPLIANCE (AUDIO/VISUAL) #cd = CANDELA OUTPUT, NO # INDICATES 15 CANDELA. #db = DECIBEL OUTPUT, NO # INDICATES 70 DECIBELS.
FO #db	FIRE ALARM NOTIFICATION APPLIANCE (AUDIO ONLY) #db = DECIBEL OUTPUT, NO # INDICATES 70 DECIBELS.
FX #cd	FIRE ALARM NOTIFICATION APPLIANCE (VISUAL ONLY); #cd = CANDELA OUTPUT, NO # INDICATES 15 CANDELA.
RTS	REMOTE TEST SWITCH
DA	DUCT SMOKE DAMPER ACTUATOR
CM	CONTROL MODULE
FS	SPRINKLER SYSTEM FLOW ALARM SWITCH (BY SPRINKLER SYSTEM SUB-CONTRACTOR)
MM	MONITOR MODULE
PIV	POST INDICATOR VALVE (BY SPRINKLER SYSTEM SUB-CONTRACTOR)
VS	VALVE SUPERVISORY DEVICE (TAMPER SWITCH, BY SPRINKLER SYSTEM SUB-CONTRACTOR)
C	CARBON MONOXIDE DETECTOR
G	NATURAL GAS DETECTOR
Bo	SPRINKLER FLOW BELL

FIRE ALARM
SYMBOLS

AD1
SK01

BID DOCUMENTS
2.28.2019
Project No: 18118
Drawn By: BWB
Designed By: BWB
Reviewed By: -

MUNICIPAL AND PUBLIC SAFETY
BUILDING
VILLAGE OF GROTON
308 MAIN STREET, GROTON, NY 13073

DRAWING LIST

NUMBER	NAME
ALL TRADES	
G-000	COVER SHEET
G-001	SYMBOLS & ABBREVIATIONS
G-101	FIRST FLOOR FIRE AND LIFE SAFETY PLAN - CODE REVIEW
G-102	SECOND FLOOR FIRE AND LIFE SAFETY PLAN
G-501	FIRE STOPPING DETAILS
CIVIL	
C-001	NOTES, LEGEND AND ABBREVIATIONS
C-002	CODE COMPLIANCE SITE PLAN
C-101	EXISTING CONDITIONS AND REMOVAL PLAN
C-102	SITE LAYOUT & IMPROVEMENTS PLAN
C-103	GRADING, DRAINAGE AND EROSION CONTROL PLAN
C-104	SITE UTILITY PLAN
C-105	PLANTING PLAN
C-401	ENLARGED AREA PLANS
C-501	SITE IMPROVEMENT DETAILS
C-502	SITE IMPROVEMENT DETAILS
C-503	EROSION CONTROL AND STORM DRAINAGE DETAILS
C-504	UTILITY DETAILS
C-505	PLANTING AND MISCELLANEOUS DETAILS
C-506	REGION 3 WORK ZONE TRAFFIC CONTROL NOTES
C-507	WORK ZONE TRAFFIC CONTROL STANDARD SHEETS
C-508	DRIVEWAY SITE DISTANCES, PLANS AND PROFILES
STRUCTURAL	
S-001	SPECIAL INSPECTIONS & GENERAL NOTES
S-101	FOUNDATION PLAN
S-102	ROOF FRAMING PLAN
S-103	MEZZANINE FRAMING PLANS
S-301	ELEVATIONS
S-501	FOUNDATION DETAILS
S-502	FOUNDATION DETAILS
S-503	FRAMING DETAILS
S-504	MASONRY DETAILS
ARCHITECTURE	
A-001	WALL SCHEDULE
A-101	FIRST FLOOR PLAN
A-102	MEZZANINE AND CLERESTORY PLAN
A-103	FIRST FLOOR REFLECTED CEILING PLAN
A-104	ROOF PLAN
A-105	STANDING SEAM METAL ROOFING DETAILS

DRAWING LIST

NUMBER	NAME
A-201	BUILDING ELEVATIONS
A-301	BUILDING SECTIONS
A-302	WALL SECTIONS
A-303	WALL SECTIONS
A-304	WALL SECTIONS
A-401	STAIR PLANS, SECTIONS AND DETAILS
A-402	ENLARGED TOILET ROOM PLANS, ELEVATIONS AND DETAILS
A-403	ENLARGED PLANS AND MISCELLANEOUS DETAILS
A-502	INTERIOR DETAILS AND MILLWORK
A-503	INTERIOR DETAILS AND MILLWORK
A-504	CEILING DETAILS
A-505	WINDOW TYPE ELEVATIONS AND DETAILS
A-506	WINDOW DETAILS
A-601	DOOR AND HARDWARE SCHEDULES
A-602	DOOR DETAILS, DOOR TYPES AND FRAME TYPES
A-701	ROOM FINISH SCHEDULE & DETAILS
FIRE PROTECTION	
FP001	SYMBOLS AND ABBREVIATIONS
FP101	FIRST FLOOR PLAN
FP102	MEZZANINE PLAN
FP501	ENLARGED PLANS AND DETAILS
FP502	BUILDING SECTIONS
PLUMBING	
P-001	SYMBOLS AND ABBREVIATIONS
P-101	FOUNDATION PLAN
P-102	FIRST FLOOR PLAN
P-103	MEZZANINE PLAN
P-401	ENLARGED KITCHEN PLANS AND DETAILS
P-402	ENLARGED PLANS AND SCHEMATICS
P-403	ENLARGED PLANS AND SCHEMATICS
P-501	DETAILS
P-601	SCHEDULES AND DETAILS
MECHANICAL	
M-001	SYMBOLS AND ABBREVIATIONS
M-101	FIRST FLOOR PLAN - DUCTWORK
M-102	MEZZANINE FLOOR PLAN - DUCTWORK
M-103	FIRST FLOOR PLAN - PIPING
M-401	ENLARGED PLANS - DUCTWORK
M-402	ENLARGED PLANS - PIPING
M-403	SECTIONS AND ISOMETRIC
M-404	SECTIONS AND ISOMETRIC
M-405	SECTIONS AND ISOMETRIC
M-406	SECTIONS AND ISOMETRIC
M-501	DETAILS AND SCHEMATICS
M-502	DETAILS
M-503	DETAILS
M-504	DETAILS
M-601	SCHEDULES
M-602	SCHEDULES
M-603	SCHEDULES
M-701	CONTROLS
M-702	CONTROLS
M-703	CONTROLS
M-704	CONTROLS
M-705	CONTROLS
M-801	SCHEMATICS
ELECTRICAL	
E-001	SYMBOLS AND ABBREVIATIONS
E-101	ELECTRIC SITE PLAN
E-102	FIRST FLOOR PLAN
E-103	SECOND FLOOR PLAN
E-104	LIGHTING PLAN
E-105	FIRE ALARM PLAN
E-106	TELECOMMUNICATIONS AND SECURITY PLAN
E-501	DETAILS
E-601	SCHEDULES
E-602	PANELBOARD SCHEDULES

DRAWING LIST

BID DOCUMENTS
03/22/19
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