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Bryant & Stratton
7805 Oswego Road
Clay, NY 13041

Addendum 2
April 23, 2019
Page 1 of 2

This Addendum is issued by the Architect and shall become part of the Contract Documents and is also subject to the terms and conditions set forth in Divisions 0 and 1.

Refer to the Contract Drawings

- Item No. 1: **Clarification:** Refer to *SK-1* for MA and Nursing floor pattern layout.
- Item No. 2: **Clarification:** Refer to A-201. College signage vendor to provide and install the exterior building sign. GC to provide all necessary blocking and electrical connections.
- Item No. 3: **Clarification:** Refer to *Bryant & Stratton – Clay, NY Rendered Plan 1* from Interface for preliminary LVT Pattern layout. Color proportions will remain as shown.
- Item No. 4: **Clarification:** Refer to E-6. Door #'s 109 and 119 are to also have access control hardware per drawing A-601.

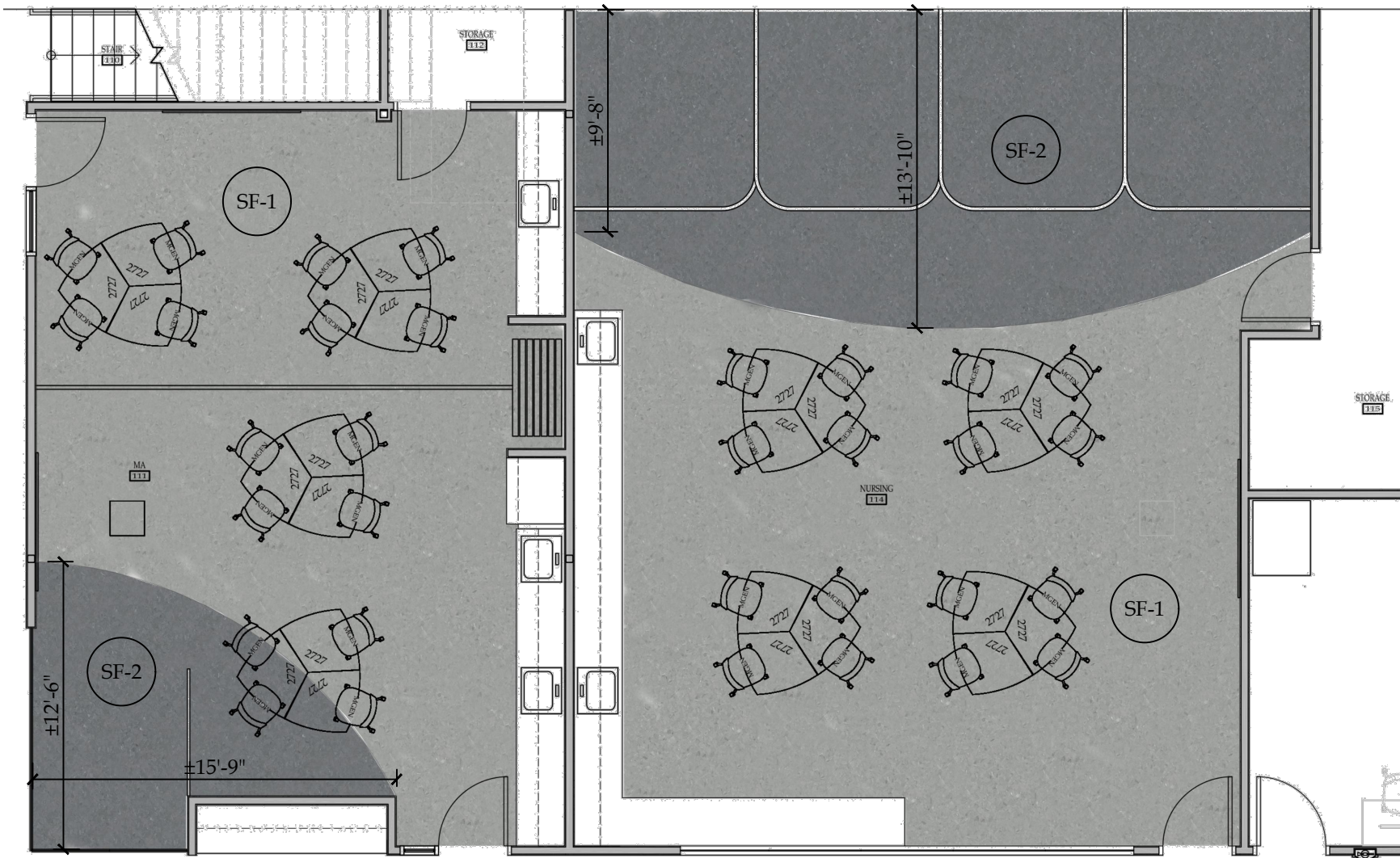
Refer to the Project Manual

- Item No. 5: **Add** SECTION 07240 EXTERIOR INSULATION AND FINISH SYSTEM.
- Item No. 6: **Add** SECTION 07410 METAL ROOF PANELS.
- Item No. 7: Refer to SECTION 08110 STEEL DOORS AND FRAMES. **Revise** sections as follows:
2.04;B;1;d – Door edges are to be continuously welded.
2.05;B;4 – Hospital stops are not required.
- Item No. 8: Refer to SECTION 11457 TELEVISION MOUNTS: Location **clarification**.
Provide television mounts at all 3 micro classrooms & next to reception desk indicated on drawing E-6.
- Item No. 9: Refer to SECTION 10210 MISCELLANEOUS SPECIALTIES: Location **clarification**.
Section 2.2 Coat and Hat Racks. Install coat rod and shelf at p-lam shelf at closet 130.
Section 2.3 Stainless-Steel Shelving/Mop Holder. Install new steel shelf/mop holder next to mop sink @ existing Janitorial sink located in Mech./Elec. 122

- Item No. 10 Refer to SECTION 10570 Wardrobe & Closet Specialties, section 1.1.B: Location **clarification**.
Install coat rod and shelf at p-lam shelf at closet 130. Install adjustable shelving at closet 139 & upper shelf at closet 107.
- Item No. 11 **Delete** SECTION 01030 – ALTERNATES and **replace** with revised SECTION 01030 – ALTERNATES. Alternate 5 added. Provide price to remove and replace existing perimeter drywall per partition type 1. Gypsum board to be continuous to deck @ open ceiling areas and stop at 6” above finished ceiling @ dropped areas.

**** Refer to the attached Bidding RFI Log for additional clarifications. ****

End of Addendum



PROJECT TITLE:
BRYANT & STRATTON
 7805 Oswego Road Clay, NY 13041

DRAWING TITLE:
MA & NURSING FLOOR PATTERN

DATE: 4/23/2019

SCALE: AS NOTED

DRAWN BY:

PROJECT #: 18161.01

DRAWING #: SK-1

SECTION 01030 - ALTERNATES

1.1 GENERAL:

- A. This section identifies each alternate by number and describes the basic changes to be incorporated into work only when that alternate is made a part of the work by specific provisions in Owner-Contractor Agreement.
- B. Related Requirements in Other Parts of the Project Manual:
 - 1. Method of quotation of the cost of each alternate and basis of Owner's acceptance of alternates: Bidding documents.
 - 2. Incorporation of alternates into work: Owner-Contractor Agreement.
- C. Referenced sections of specifications stipulate pertinent requirements for products and methods to achieve work stipulated under each alternate.
- D. Coordinate pertinent related work and modify surrounding work as required to properly integrate work under each alternate, and to provide the complete construction required by contract documents.

1.2 DESCRIPTION OF ALTERNATE:

- A. Alternate #1 – Provide separate price for fireplace, enclosure and finished in entirety.
- B. Alternate #2 – Provide price for complete replacement of sliding automatic doors. See A-601.
- C. Alternate #3 – Roof Replacement.
 - a. Provide separate price to replace existing modified bit roof and coverboard.
 - b. Provide separate price to replace existing roof insulation in its entirety.
- D. Alternate #4 – Provide price to upgrade to electrically operated folding partition. Base bid to include manual operation.
- E. Alternate #5 – Provide price to remove and replace existing perimeter drywall per partition type 1. Gypsum board to be continuous to deck @ open ceiling areas and stop at 6” above finished ceiling @ dropped areas.

END OF SECTION

SECTION 07240 - EXTERIOR INSULATION AND FINISH SYSTEM

1.0 GENERAL

Drawings and general provisions of Contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to work of this section.

1.1 DESCRIPTION AND SCOPE

A. NOTE: This specification is based on the Dryvit Outsulation Plus MD System and shall be used as a standard. Other manufacturers considered equal to the specified system are:

1. STO
2. Synergy

B. Provide all labor, materials and equipment necessary to install the Field-Applied Dryvit System at the soffits located at the new library.

C. Related Work specified elsewhere:

1. Gypsum Sheathing - 09250
2. Metal Framing - 09250
3. Sealants - 07900

D. Description of Systems

1. The Dryvit System: An exterior insulation and finish system consisting of the Primus/Adhesive Mixture, Dryvit Insulation Board, Dryvit Reinforcing Mesh (es), and Dryvit Finish(es), marketed by Dryvit System, Inc., One Energy Way, West Warwick, Rhode Island 02893.
2. Field-Applied Dryvit System: The Dryvit System applied to the substrate system in its final position on the building. The field-applied Dryvit System consists of the Dryvit System and the Sealant System.
3. Sealant System: The sealant, backer rod, bond breaker tape, primer and accessories manufactured and installed by others.

1.2 QUALITY ASSURANCE

A. Qualifications

1. Dryvit System, Inc.
 - a. Shall have marketed exterior insulation and finish systems in the United States for at least five years.
 - b. At least 1,000 projects shall have been completed utilizing this exterior insulation and finish system.
 - c. Shall have completed projects of the same building type, size and substrate type as this project.
2. Trained Applicator

- a. Shall be knowledgeable in the proper installation of the Dryvit Outsulation Plus MD System and shall be experienced and competent in the installation of Exterior Insulation and Finish Systems.
 - b. Shall possess a current Outsulation Plus MD System Trained Contractor Certificate* issued by Dryvit Systems, Inc.
3. Insulation Board Manufacturer
- a. Shall be approved by Dryvit System, Inc. and shall have signed an agreement with Dryvit System, Inc. to produce the Dryvit Insulation Board in accordance with Dryvit System, Inc.'s specifications.
 - b. Shall be experienced and competent in the manufacturing of expanded polystyrene insulation board.
4. Design and Detailing
- a. General:
 1. At all locations the Dryvit Insulation Board shall be completely encapsulated by the Lamina or substrate.
 2. The Dryvit Insulation Board shall be separated from the interior of the building by 1/2" (13mm) gypsum wallboard or equivalent thermal barrier material which will limit the average temperature rise of the unexposed surface to not more than 250 degrees F (121 degrees C) after 15 minutes of fire exposure, when subjected to the A.S.T.M. E-119 time-temperature curve. The thermal barrier shall be installed in a manner assuring it will stay in place for a minimum fire exposure of 15 minutes.
 3. The use of and maximum thickness of Dryvit Insulation Board shall be in accordance with the applicable building codes and Dryvit System, Inc.'s approvals.

1.3 APPROVALS, LISTINGS AND CLASSIFICATIONS

- A. The Lamina shall be classified with regard to surface burning characteristics by Underwriters Laboratories and be listed in U.L. Building Materials Directory as having a flamespread of less than 25. The Dryvit Primus/Adhesive and the Dryvit Finish shall be produced under a follow-up inspection service program monitored by U.L.
- B. The Dryvit Insulation Board shall be classified with regard to surface burning characteristics by Underwriters Laboratories and listed in the U.L. Building Material Director as having a flamespread and smoke development rating of not greater than 25 and 450, respectively.
- C. Dryvit System (FM) shall be approved by the Factory Mutual Research Corporation as Class I as described in the latest edition of the Factory Mutual Approval Guide. Dryvit System (FM) is available upon request.

1.4 SUBMITTALS

A. Shop Drawings

Complete drawings prepared by the applicator and showing wall layout, all details, connections, expansion joints.

1.5 DELIVERY, STORAGE AND HANDLING

- A. All materials supplied by Dryvit Systems, Inc. shall be delivered to the location where they will be applied in the original unopened packages with labels intact. Upon arrival, materials shall be inspected for damage, particularly for freezing, and Dryvit System, Inc. informed of any discrepancies. Unsatisfactory materials shall not be used.
- B. All materials supplied by Dryvit System, Inc. shall be stored in a cool, dry location, out of sunlight, protected from weather and other damage, and at temperatures not less than 40 degrees F (4 degrees C).
- C. All materials supplied by others such as substrates, framing, sealants, etc., shall be stored per manufacturer's instructions.

1.6 JOB CONDITIONS

A. Environmental Conditions

- 1. The ambient air temperature shall be 40 degrees F (4 degrees C) or greater and rising at the time of installation of the Dryvit materials and shall remain so for at least 24 hours thereafter.
- 2. The Dryvit materials shall not be applied to substrates that are at a temperature of 40 degrees F or less.

B. Protection

- 1. Adjacent materials shall be protected from damage during the installation of the Dryvit materials.
- 2. The Dryvit materials shall be protected from weather and other damage immediately after installation, including installation of sealants and flashings.

C. Sequencing and Scheduling

- 1. Installation of the Dryvit materials shall be coordinated with the other construction trades.
- 2. Sufficient manpower and equipment shall be employed to insure a continuous operation, free of cold joints, scaffold lines, texture variations, etc.

1.7 ALTERNATIVES

Systems to be considered equal to those specified herein shall be approved by the Architect, in

writing, at least ten working days prior to the project bid date.

1.8 LIMITED WARRANTY

Dryvit System, Inc. shall provide a three-year limited warrant for materials.

2.0 PRODUCTS

2.1 GENERAL

A. All components of the Dryvit System shall be obtained from Dryvit System, Inc. or its authorized distributors. No substitutions of, or additions of, other materials shall be permitted without prior written permission from Dryvit System, Inc.

2.2 MATERIALS

A. Adhesives: Used to adhere the EPS to the air/water-resistive barrier, shall be compatible with the water-resistive barrier and the EPS.

1. Cementitious: A liquid polymer-based material, which is field mixed with Portland cement.

a. Shall be Primus, or Genesis

2. Ready mixed: A dry blend cementitious, copolymer-based product, field mixed with water.

a. Shall be Primus[®] DM, Genesis[®] DM, Genesis[®] DMS, Rapidry DM 35-50 or Rapidry DM 50-75

B. Dryvit Insulation Board

1. Shall be produced by a manufacturer approved by Dryvit Systems, Inc.

2. Shall meet Federal Specifications HH-1-524C Type 1.

3. Nominal density shall be 1.0 p.c.f. (16 Kg/m³).

4. Shall be aged as follows:

a. Six weeks at 68 degrees F (20 degrees C) minimum

b. Five days at 140 degrees F (60 degrees C).

5. Shall not exceed the following dimensional limits:

Length: +/- 1/16" (1.6mm).

Width: +/- 1/16" (1.6mm).

Thickness: +/- 1/16" (1.6mm).

Squareness: +/- 1/32" (.8mm) per foot

Flatness: +/- 1/32" (.8mm) in 4' (1.2m) per A.S.T.M. C550.

6. Maximum flamespread and smoke development, when tested in accordance with A.S.T.M. E84 shall not exceed 25 and 450 respectively.
 7. Thermal Conductivity, "k" at one inch shall be .23 BTU degrees F-SF-hr. (.033 W/mK) at 40 degrees F (4 degrees CO, .25 BTU/degrees -SH-hr (.036) W/mK) at 75 degrees F (24 degrees C).
 8. Maximum board size shall be 2' (610mm) x 4' (1220mm).
- C. Air/Water-Resistive Barrier Components:
1. Dryvit Backstop NT: A vapor permeable, flexible, polymer-based noncementitious water-resistive and air barrier coating available in Texture, Smooth, and Spray. See [DS180](#) and [DS181](#).
- D. Flashing Materials: Used to protect substrate edges at terminations.
1. Liquid Applied: An extremely flexible water-based polymer material, ready for use.
 - a. Shall be AquaFlash and AquaFlash Mesh
- E. Dryvit AP Adhesive™: A moisture cure, urethane-based adhesive used to adhere the Dryvit Drainage Strip™ and Drainage Track.
- F. Dryvit Drainage Strip: A corrugated plastic sheet material, which provides drainage.
- G. Dryvit Standard Reinforcing Mesh
1. Shall be supplied by Dryvit Systems, Inc.
 2. Shall be treated, open weave, glass fiber type.
 3. Shall be available in 3/8" (965mm) and 9-1/2" (241mm) widths.
- H. Dryvit Finish
1. Shall be as manufactured by Dryvit System, Inc.
 2. Shall be factory-mixed, 100% pure acrylic-based, and contain integral color and texture.
 3. Shall be the following type:
 - a. Sandpebble
 - b. Color: TBD.
- I. Lamina
1. The flamespread and smoke development when tested in accordance with A.S.T.M. E84 shall not exceed 5 and 0.

3.0 EXECUTION

3.1 INSTALLATION

Dryvit System shall be installed in strict accordance with manufacturer's specifications.

SECTION 07410 – METAL ROOF PANELS1.0 GENERAL

1.1 RELATED DOCUMENTS

The drawings, Instructions to Bidders, Form of Proposal, General Conditions, Supplementary General Conditions and Division 1 are included herein and govern work under this section.

1.2 DESCRIPTION OF WORK

- A. Preformed, prefinished metal roof panels.
- B. Miscellaneous trim, flashing, closures and accessories.
- C. Fastening devices.

1.3 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in factory production with fixed based roll forming equipment for the profiles and type specified with a minimum 10 years documented experience and a documented, standardized quality control program such as ISO-9001 approval.
- B. Installer Qualifications: Company specializing in installation of Metal Roof Panel Products of the type specified with a minimum 5 years documented experience.

1.4 RELATED SECTIONS

- A. Section 05120 – Structural Steel Framing
- B. Section 05400 - Cold-Formed Metal Framing

1.5 REFERENCES

- A. ASTM A 240 - Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications.
- B. ASTM A 480/A 480M - Standard Specification for General Requirements for Flat-Rolled Stainless and Heat-Resisting Steel Plate, Sheet and Strip.
- C. ASTM A 606/A 606M - Standard Specification for Steel, Sheet and Strip, High-Strength, Low-Alloy, Hot-Rolled and Cold-Rolled, with Improved Atmospheric Corrosion Resistance.
- D. ASTM A 653/A 653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- E. ASTM A 792/A 792M - Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-

Coated by the Hot-Dip Process.

- F. ASTM B 209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
- G. ASCE 7 - Minimum Design Loads for Buildings and Other Structures.
- H. American Iron & Steel Institute (AISI) Specification for the Design of Cold-Formed Steel Structural Members.

1.6 DESIGN / PERFORMANCE REQUIREMENTS

- A. Design Requirements for Roof Systems:
 - 1. Metal roof panel system as designed by the manufacturer shall be a complete system. All components of the system shall be supplied by the same manufacturer.
 - 2. Roof Panels shall be designed in accordance with the AISI Cold-Formed Steel Design Manual.
 - 3. Design and Wind Loads shall be in accordance with IBC 2015 Building Code.
 - 4. Deflection requirements shall be in accordance with the applicable building code or as a minimum, $L/240$ for wind load (but not less than 10 psf.)
 - 5. Completed metal roofing and flashing system shall be capable of withstanding expansion and contraction of components caused by changes in temperature without buckling, producing excess stress on structure, anchors or fasteners or reducing performance ability. Design temperature differential shall be not less than 200 degrees F.
 - 6. Accessories and fasteners shall resist the specified design wind suction forces in accordance with IBC 2015 Building Code.
 - 7. Factory Mutual 4471 – Class 1 Approval
 - 8. UL 580, Class 90 uplift ratings for 5 foot spans with minimum 14 gauge purlins.
 - 9. Structural Test: Structural performance shall be verifiable by witnessed structural testing for simulated wind loads in accordance with ASTM E72.
 - 10. Fatigue Test: There shall be no evidence of metal/insulation interface delamination when the panel is tested by simulated wind loads (positive and negative loads), when applied for two million alternate cycles of $L/180$ deflection.
 - 11. Freeze / Heat Cycling Test: Panels shall exhibit no delamination, surface blisters, permanent bowing or deformation when subjected to cyclic temperature extremes of negative 20 deg. F to positive 180 deg. F temperatures for twenty-one, eight-hour cycles.
 - 12. There shall be no uncontrolled water penetration through the panel joints at a pressure differential of 20 psf, when tested in accordance with ASTM E331.
 - 13. Air infiltration through the panel shall not exceed 0.01 cfm/sf at 20 psf air pressure differential when tested in accordance with ASTM E283.
 - 14. Humidity Test: Panels shall exhibit no delamination or metal interface corrosion when subjected to +140 deg. F temperature and 100 percent relative humidity for a total of 1200 hours (50 days).
 - 15. Flame Spread and Smoke Developed Tests on exposed Insulating Core; Flame Spread: Less than 25, Smoke Developed: Less than 450 when tested in accordance to ASTM E84.

1.7 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Shop Drawings: Elevations and plans showing layout of roof and wall panels, sections and details, fastening and joint details, trim, flashing, vents, openings, sealant and accessories. Show details of interfaces with adjacent products, weatherproofing, terminations, and penetrations of metal work.
- D. Design Loads: Submit manufacturer's minimum design load calculations in accordance to ASCE 7, Method 2 for Components and Cladding. The design loads be in accordance with the building location requirements.
- E. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns and two samples each of the roof and wall panels indicating panel profiles.

1.8 WARRANTY

- A. Provide Paint finish with the manufacturer's limited 20 five-year warranty against cracking, peeling and fade (not to exceed 5 N.B.S. units).

1.9 JOB CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits. Do not install panels over wet or frozen substrate.
- B. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

1.10 DELIVERY, STORAGE AND HANDLING

- A. Deliver panels to job site properly packaged to provide protection against transportation damage.
- B. Store products in manufacturer's unopened and undamaged packaging with label intact in a clean, dry indoor location until ready for installation.
- C. Stack all materials to prevent damage and to allow for adequate ventilation. Elevate one end to promote drainage.

- D. Panels with strippable film must not be stored in the open, exposed to the sun.
- E. Protect panels from contact with materials that could cause staining or discoloration of the finish.

2.0 PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers meeting the design and performance requirements of these specifications as well as matching the profile of the existing metal wall panels.

2.2 PREFORMED METAL ROOF PANELS

- A. General
 - 1. Exterior Face of Panel
 - a. 24-gauge steel coil material shall be in accordance with ASTM A755.
 - b. Standing Seam 16" widths with 2" high seams that are mechanically seamed together @ 90 degrees.
 - c. Color: 1.0 mil. Fluoropolymer (PVDF) Two Coat system: 0.2 mil primer with 0.8 mil Kynar 500 (70 percent) SOLID color coat. Color to be selected.
- B. Roof Panels
 - 1. Provide factory-formed metal roof panels designed to be field assembled by lapping and interconnecting raised side edges of adjacent panels with joint type indicated and mechanically attaching panels to supports using concealed clips in side laps. Include clips, cleats, pressure plates and accessories required for weathertight installation. Unless more stringent requirements are indicated, comply with ASTM E 1514.
 - 2. Formed with vertical ribs at panel edges and intermediate stiffening ribs symmetrically spaced between ribs; designed for sequential installation by mechanically attaching panels to supports using concealed clips located under one side of panels and engaging opposite edge of adjacent panels and mechanically seaming panels together with approved seaming equipment.
 - 3. Snow Guards: Panel manufacturer provided prefabricated, non-corrosive units designed for compatibility with metal roof panels and for project conditions.

2.3 FABRICATION

- A. Form and fabricate panels to the profiles and configurations indicated on the Drawings.
- B. Factory form panels and components on a stationary industrial rolling mill.
- C. Mark panels with custom metallic finishes with proper panel orientation for field erection.
- D. Fabricate panels to full length indicated.
- E. Fabricate flashings in 10 foot lengths, min.

2.4 ACCESSORIES

- A. Metal Components
1. Provide accessories and other items essential to a complete roof or wall panel installation including panel clips, trim, closures, fascia, soffits, caps and similar metal components in same color as selected for panels.
 2. Metal components fabricated from same gauge and finish as metal panels, unless otherwise noted.
 3. Flashing: Provide the same gauge and finish as the exterior panel, unless otherwise noted.
- B. Fasteners
1. Panel manufacturer provided concealed fasteners, self-drilling stainless steel screws with bonded washers.
 2. Exposed stainless steel rivets shall match color finish of panel.
 3. Saddle clip for panel attachment shall be 16 gauge with integral self-sealing gasket supplied by the manufacturer.
 4. Stitch fasteners for roof panel side laps and end laps shall be vibration resistant type (anti-back out thread), self-drilling low profile screws with sealing washers, designed to resist back out by increasing thread friction as screw loosens.
 5. Size and spacing: As recommended by manufacturer.
- C. Sealants
1. Exposed Sealants shall be one component silicone based as recommended by panel manufacturer, field applied.
 2. Concealed Sealants shall be non-curing, non-skinning butyl, polyisobutylene or polybutane tape as recommended by panel manufacturer, field applied.
- D. Gutter
1. Gutters and downspouts to be made of 3005-H25 aluminum, 0.32 gauge, size and shape as indicated. Eve caps to be 0.019 gauge.
 - a. Fabricate non-moving seams in sheet metal with flat-lock seams. Tin edges to be seamed, form seams and solder.
 - b. Expansion Provisions: Where lapped or bayonet-type expansion provisions in work cannot be used or would not be sufficiently water/weatherproof, form expansion joints of intermeshing hooked flanges, not less than 1 inch deep, filled with mastic sealant (concealed within joints).
 - c. Sealant Joints: Where movable, non-expansion type joints are indicated or required for proper performance of work, form metal to provide for proper installation of sealant in compliance with SMACNA standards
 2. Downspout clips 0.14 gauge.
 3. Gutter hangers to be 0.051 gauge.
 4. Pre-finished, white.
 5. Metal Accessories: Provide sheet metal clips, straps, anchoring devices and similar accessory units as required for installation of work, matching or compatible with material being installed, noncorrosive, size and gage required for

- performance.
6. Place strainers in all leader openings.
 7. Install downspouts where indicated.
 - a. Securely anchor downspouts with strap hangers spaced maximum 6' 0" on center.
 - b. Where downspouts terminate at splash blocks, provide elbow at bottom of downspout.
 - c. Where indicated, terminate downspout to drain
- E. Roofing Underlayment
1. On all surfaces to be covered with roofing material, furnish and install a 40 mil Peel & Stick membrane, required as outlined by metal panel manufacturer. Membrane to be a minimum of 40 mil thickness, smooth, non-granular, high temperature. Basis of design: Carlisle WIP 300 HT High Temperature Protection Self Adhering Roofing Underlayment. Other acceptable manufacturers include:
 - a. W.R Grace "Ice & water Shield"
 - b. Interwrap Titanium PSU-30
 - c. Carlisle CCW WIP 300HT
 - d. Interwrap Titanium PSU
 - e. Tamko TW Tile and Metal Underlayment
 2. Underlayment shall be laid in horizontal layers with joints lapped toward the eaves a minimum of 6, and well secured along laps and at ends as necessary to properly hold the felt in place. All underlayment shall be preserved unbroken and whole.
 3. Peel and Stick Underlayment shall lap all hips and ridges at least 12 to form double thickness and shall be lapped 6 over the metal of any valley or built-in gutters and shall be installed as required by the Standing Seam Panel Manufacturer to attain the desired 20 Year Warranty.

3.0 EXECUTION

3.1 EXAMINATION

- A. Provide field measurements to manufacturer as required to achieve proper fit of the preformed roof panel envelope. Measurements shall be provided in a timely manner so that there is no impact to construction or manufacturing schedule.
- B. All structural supports required for installation of panels shall be by others. Support members shall be installed within the following tolerances:
1. Roof Panels
 - a. Structural Tolerance: In the plane of the roof $\leq \frac{1}{2}$ inches outward, 0 inches inward.
 - b. Verify that bearing support has been provided perpendicular to the orientation of the panels. Width of support shall be as recommended by manufacturer.

- C. Examine individual panels upon removing from the bundle; notify manufacturer of panel defects. Do not install defective panels.

3.2 PANEL INSTALLATION

- A. Installation shall be in accordance with manufacturer's installation guidelines and recommendations.
- B. Install panels plumb, level and true-to-line to dimensions and layout indicated on approved shop drawings.
- C. Cut panels prior to installing where indicated on shop drawings in accordance with manufacturer's instructions.
- D. Apply non-skinning sealant as shown on shop drawings and manufacturer's installation instructions as necessary to establish the vapor barrier for the panels. Use non-skinning tube sealant only for tight metal-to-metal contact. Do not use non-skinning sealant to bridge gaps.
- E. Place panel fasteners through pre-punched holes in attachment clips concealed within the joint of the panel. Secure units to the structural supports. Space clips as recommended by manufacturer or otherwise indicated on the approved shop drawings.
- F. At roof panels apply end lap sealing tape and sealant to panel surface to be lapped per manufacturer's instructions.
- G. At roof panel end laps stitch fasteners to be vibration resistant type.

3.3 TRIM AND FLASHING INSTALLATION

- A. Place trim, flashing and associated fasteners only as indicated per details on the approved shop drawings.
- B. Field drill weep holes at wall panels where appropriate in horizontal trim; minimum 1/4 inch diameter at 24 inches on center.
- C. Place a continuous strip of sealant between the inside back face of closure trims and interior panel faces of panels for proper vapor seal.
- D. Fasten the exterior ridge trim at roof panels to the metal ridge closure trims, per manufacturer's recommendations with 1/4 inch by 7/8 inch stitch fasteners.

3.4 FIELD QUALITY CONTROL

- A. Construction Manager shall engage an independent testing and inspection agency acceptable to the architect to perform field tests and inspections and to prepare reports of findings.
- B. After completing portion of metal wall panel assembly including accessories and trim, test a 2-bay area selected by the architect for water penetration in accordance with AAMA 501.2.

3.6 CLEANING AND PROTECTION

- A. Remove protective film immediately after installation.
- B. Touch-up, repair or replace metal panels and trim that have been damaged.

END OF SECTION

The designs owned by Interface and its subsidiaries, are protected by federal and state copyright law, and are provided with the understanding that Interface will receive an order in the near future for the products set out in the designs. The designs are for the recipient's use only, and will not be distributed to any third parties (including any other flooring manufacturer or distributor) absent Interface's express consent. Interface makes no warranties as to the designs themselves. CAD floor plans are required to ensure accurate take-off on designs which may otherwise be impaired by poor PDF floor plans.

Current screen

-  **CONFIGURATION 25cm x 1m INSTALLED ASHLAR**
 - STUDIO SET A00701 SILVERLIGHT 25cm x 1m
 - STUDIO SET A00713 SLATE 25cm x 1m
 - STUDIO SET A00702 PEWTER 25cm x 1m
-  **STUDIO SET A00701 SILVERLIGHT 25cm x 1m INSTALLED ASHLAR**
-  **VEILED BRUSHWORK 106007 INK 25cm x 1m INSTALLED ASHLAR**
-  **VEILED BRUSHWORK 106007 INK 25cm x 1m INSTALLED HERRINGBONE**

Scale 1:180 (original drawing scale 1:96)

