

ADDENDUM NO. 2

**Walla Walla Life Flight Network Hangar Project
November 27, 2023**

Bid Opening Date: December 7, 2023 @ 2:00 p.m. PST

TO ALL PLANHOLDERS:

This Addendum provides changes to the plans (drawings) and specifications for the **Walla Walla Life Flight Network Hangar Project**. This Addendum shall be included in the Proposal and, when closing the Contract, will be a part thereof. Any changes made by this Addendum to said plans (drawings) and specifications offset only the portion of the plans (drawings), words or paragraphs specifically mentioned herein, and the balance of the plans (drawings) and/or specifications remain in full force. It is the responsibility of all bidders to conform to this addendum.

This Addendum consists of a total of 14 pages.

All bidders shall acknowledge receipt and acceptance of this Addendum on the Bid Form Packet which is submitted with the bid.

A. SPECIFICATIONS

1. Add: 06410 Cabinet Work
2. Add: 08620 Vinyl Architectural Windows
3. Revise 09100 Wall Framing, 3.05, K: revise 10 GA to read 16 GA.
4. Add: 09250 Gypsum Board
5. Revise: Section 15001 Mechanical/Plumbing Design-Build Requirements. Accidentally the bid documents have both an October 26, 2023 version, and an August 21, 2023 version. Delete the August 21, 2023 version.
6. Add: 13121 Pre-Engineered Metal Buildings, Section 2.1, A, add: 7. Nucor.

B. DRAWINGS

1. Revise Sheet A0.2, Finish Schedule: Revise Rooms 101, 102, 103, 104, 105, 106, 107, 108, and 109 to be Vinyl in lieu of Carpet.
2. Revise Sheet A0.2, Floor Covering drawing: Change floor finish words show Vinyl in lieu of Carpet. Revise all words "Sheet Vinyl" to read "Vinyl."
3. Add Sheet A1.0: Notes: "12. At wall between hangar and crew quarters use 6" metal studs and

carry 1 hour rated wall up to underside of metal roofing. All other 1 hour rated walls stop at 1 hour rated ceiling 9 feet above finish floor.” 13. For information about a future card access system to be installed by owner see Sheet 0.2 at notes under Door Hardware. 14. At camera locations shown only provide power and low voltage wiring for cameras; cameras will be provided by owner.

4. Revise Sheet A1.1, Ceiling Notes, revise “2 hour ceiling GA File FC 4750” to read: “1 hour ceiling GA File FC1104 with 8” metal ceiling joists @ 16” o.c., @ 9 feet above finish floor, see attached GA file”.
5. Revise Sheet A5.0, Type 3 Wall, add note: “Note: 1. At wall between hangar and crew quarters use 6” metal studs. See also attached GA File No. WP 1350.”

Attachments:

06410 Cabinet Work (3 p.)
08620 Vinyl Architectural Windows (3 p.)
09250 Gypsum Board (4 p.)
GA-600 FC 1104 (1p.)
GA-600 WP 1350 (1p.)

END OF ADDENDUM NO. 2 by Aron Faegre

SECTION 06410

CABINET WORK

PART 1 GENERAL

1.1 WORK INCLUDED

- A. The extent of the Cabinet Work is shown on the drawings. See especially Sheet A4.1 detail 5 for materials.
- B. Furnishing and installation of hardware for cabinet work is included in this section.

1.2 QUALITY ASSURANCE: ANSI Quality Standards: Comply with Section 400 for Custom grade cabinets, flush construction.

1.3 SUBMITTALS

- A. Submit the following information in accordance with Section 01301:
- B. Manufacturer's Data, Wood Casework: Submit copies of manufacturer's specifications and installation instructions for hardware, plastic laminates, plywood, and other materials used in the fabrication of casework..
- C. Shop Drawings, Wood Casework: Submit shop drawings, showing location of each item, dimensioned plans and elevations, large scale details, anchors, materials, and other components.
- D. Samples: Submit fully finished samples of the following items required in the casework. Samples will be reviewed for appearance and finish only.
 - 1. Plastic laminate, three (3) samples, for each type and surface finish.
 - 2. Exposed hardware, one unit of each type and finish.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Vertical Surfaces:
 - 1. Hinged Door and Drawer Fronts: Plastic laminate-faced wood product.
 - 2. End Panels: 3/4" thick; plastic laminate-faced wood product. .
- B. Edge Banding: All exposed edges of end panels, drawer front, doors, partitions, and shelves shall be edged with plastic laminate, mechanical or glue application with no exposed fastenings.

- C. Interior Surfaces:
1. Partitions: 3/4" melamine-faced wood product.
 2. Backs: 3/4" melamine-faced wood product.
 3. Shelving: 3/4" melamine-faced wood product.
- D. Countertops for Casework:
1. Grade: Same AWI grade as required for casework (Sec. 400C). At sink counters, provide AWI premium grade wood product.
 2. Color, Pattern, and Texture: As selected by Architect from manufacturer's standard satin-finished sheets.
 3. Plastic Laminate: Comply with FS-L-P-508H.
 - a. Horizontal Surfaces: General purpose standards, .050 thickness, through color.
 - b. Vertical Surfaces: General purpose standard, .028 thickness.
 - c. Manufacturers: Formica, Nevamar, Wilson Art.
 4. Counter Construction: As shown or, if details not shown, comply with standards and provide 4" high back-splash and end-splash top-mounted square butt joint with plastic laminated self edge. Exposed Edges: Plastic laminate matching surface. Ease exposed edges of overlap sheet. Cut openings for equipment to be installed. Comply with equipment manufacturer's requirements, but provide internal corners of 1/8" minimum radius. Smooth saw cut and ease edges. Seal cut edges of counter at openings for sinks and other "wet" equipment, using waterproofing compound recommended by plastic manufacturer and compatible with laminating adhesive.
- E. Cabinet Hardware, Semi-Exposed:
1. Side Pair Drawer Slides: 100-lb. rated (per pair), ball bearing nylon rollers, 1/2" wide units, commercial grade. Full extension, No. 329; Grant P&H Co.; No. 1400; Knape & Vogt Mfg. Co., or approved equal.
 2. Magnetic Catches: Ives, No. 324, or approved equal.
 3. Finish for Semi-Exposed Hardware: 626.
 4. Shelf Standards: Standards, cold-rolled steel with brushed steel finish, flush, screwed installation with matching supports; Knape & Vogt Mfg. Co. No. 255; with No. 256 shelf supports, or 5mm x 32mm o.c. line boring with 5mm nickel plated steel clips, or approved equal.
 5. Hinges: Flush hinges; Amerock No. 5988-M3, or approved equal. 2 hinges per door or minimum 24" o.c. on full height doors.
- F. Cabinet Hardware, Exposed:
1. Door/Drawer Pulls: Stainless steel wire pulls, 3/16" diameter, or approved equal.

2.2 FABRICATION OF CASEWORK, GENERAL

- A. Shop fabricate casework to the greatest extent possible, disassemble only as necessary for delivery and installation.
- B. Install hardware at the shop prior to delivery. Remove hardware for finish application, and reinstall after finishing.

PART 3 EXECUTION

3.1 Installation:

- A. Adjust casework and hardware so that doors and drawers operate smoothly and with tolerances as established by standards. Lubricate operating hardware as recommended by manufacturer.
- B. Protection: Cover casework with 4-mil polyethylene film, for protection against soiling and deterioration during remainder of construction period.

—END OF SECTION—

SECTION 08620

VINYL ARCHITECTURAL WINDOWS

PART 1 GENERAL

1.1 SUMMARY: This section includes the following vinyl window types:

- A. Slider window units.
- B. Single hung window units.

1.2 SUBMITTALS

A. General:

1. Product Data: Submit manufacturer's product specifications, technical support data, installation and maintenance recommendations and standard details for each type of window unit required. Include finishing methods, hardware and accessories.
2. Shop Drawings: For each type of window specified, submit standard assembly and details for lap siding, and plywood sheathing. Include stacking bar details for any mulled windows or configurations.
3. Samples for Initial Color Selection: Submit samples of each required exterior finish on PVC sample. Submit sample of co-extruded PVC material with required interior and exterior finish.
4. Manufacturer Data: Letter confirmation of manufacture within 500 miles of construction site. Letter confirmation of 15% post industrial content.

1.3 WARRANTY: Submit a written warranty, executed by the window manufacturer, agreeing to repair or replace units that fail in materials or workmanship for as long as the indicated owner maintains ownership of the residence or building. Materials and labor are to be covered in full by the manufacturer.

- A. Warranty Period: For as long as the original owner maintains ownership of the residence or structure.

1.4 REFERENCES

A. American Society for Testing and Materials (ASTM):

1. ASTM E283 - Standard Test Method for Rate of Air Leakage through Exterior Windows, Curtain Walls, and Doors.
2. ASTM E330 - Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.

3. ASTM E547 - Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Differential.
 4. ASTM E774 - Specification for Sealed Insulating Glass Units.
- B. Federal Specifications (FS):
1. FS DD-G-451D - Glass, Float or Plate, Sheet, Figured (Flat for Glazing, Mirrors, and Other Uses).
- C. Sealed Insulating Glass Manufacturers Association/Insulating Glass Certification Council (SIGMA/IGCC).
- D. Comply with installation recommendations of ASTM E2112-07 "Standard Practice for Installation of Exterior Windows, Doors and Skylights."

PART 2 PRODUCTS

- 2.1 MATERIALS: Vinyl window manufacture shall include minimum 15% post industrial recycle (regrind) and shall be located within 500 miles of project site.
- 2.2 MANUFACTURERS: Subject to compliance with requirements, manufacturers offering window units that may be incorporated in the work include, but are not limited to the following:
- A. Milgard, or equal.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Comply with manufacturer's specifications and recommendations for installation of window units, hardware, operators, accessories and other window components.
- B. Windows shall be factory sized to fit in each framed opening so that they are 1/2" smaller than the framed (rough) opening to allow 1/4" clearance on all sides (tolerance +/- 1/16").
- C. Windows shall be fabricated to rough opening size with 1/2" deductions automatically made, so that no additional calculations will be required.
- D. Opening panels must be closed and locked during installation. Windows must be installed level, plumb and square with 1/4" clearance on all sides with weep holes at bottom.
- E. Headers must not be nailed. Nail through fin into framing along sides and base. At the head, nails may be placed 1/2" above fin and bent down over fin

to allow for header deflection. Full support is required along entire length of sill.

- F. Adjust operating sash and hardware to provide tight fit at contact points and weatherstripping. Lubricate hardware and moving parts.

3.2 CLEANING

- A. Clean interior and exterior glass surfaces promptly after installation. Take care to avoid damage to protective coatings and finishes.
- B. Clean all interior and exterior PVC surfaces.

—END OF SECTION—

SECTION 09250
GYPSUM BOARD

PART 1 GENERAL

1.1 DESCRIPTION OF WORK

- A. The extent of the gypsum drywall work is shown on the drawings and in schedules, and is hereby defined to include gypsum board work with a tape-and-compound joint treatment system known as "drywall finishing" work. All work to be to Level 4 finish minimum.
- B. Gypsum board is to be 5/8" Type X throughout, with water-resistant type in bathrooms, kitchens, and other "wet" or "moist" areas of buildings.
- C. The types of work required include the following:
 - 1. Gypsum drywall applied to wood and metal framing.
 - 2. Drywall finishing (joint tape-and-compound treatment).

1.2 QUALITY ASSURANCE

- A. Industry Standard: Comply with applicable requirements of GA-216 "Application and Finishing of Gypsum Board, ASTM C-840, by the Gypsum Association, except where more detailed or more stringent requirements are indicated, including the recommendations of the manufacturer.
- B. Allowable Tolerances: 1/8 inch offsets between planes of board faces, and 1/4 inch in 8'-0" for plumb, level, warp, and bow.
- C. Manufacturer: Obtain gypsum boards, trim accessories, adhesives, and joint treatment products from a single manufacturer, or from manufacturer's recommended by the prime manufacturer of gypsum boards.

1.3 PRODUCT HANDLING: Deliver gypsum drywall materials in sealed containers and bundles, fully identified with manufacturer's name, brand, type, and grade. Store in a dry, well-ventilated space, protected from the weather, under cover, and off the ground.

1.4 JOB CONDITIONS: Contractor will maintain ambient temperatures at not less than 55 degrees F. for the period of 24 hours before drywall finishing, during installation, and until compounds are dry.

PART 2 PRODUCTS

2.1 GYPSUM BOARD PRODUCTS:

- A. General: To the extent not otherwise indicated, comply with GA-216, as specified and recommended.
- B. Gypsum Board, ASTM C 36:
 - 1. Sheet Size: Maximum length available which will minimize end joints.
 - 2. Thickness: 5/8" unless otherwise noted or approved.

2.2 SUPPORT MATERIALS

- A. Resilient Furring Members: ASTM C 645; 0.0179" minimum thickness of base metal, hat-shaped with a single flange.

2.3 TRIM ACCESSORIES: General: Manufacturer's standard PVC units with flanges for concealment, in joint compound, including corner beads, edge trim, and control joints; except provide semi-finishing type (flange not concealed) where indicated; manufacturer, Plastic Components, Inc., or approved equal.

2.4 JOINT TREATMENT MATERIALS:

- A. General: ASTM C 475; type recommended by the manufacturer for the application indicated, except as otherwise indicated.
- B. Joint Tape: Perforated type.
- C. Joint Compound: Ready-mixed, vinyl-type for interior use. Grade: two (2) separate grades, one specifically for bedding tapes and filling depressions, and one for topping and sanding.

2.5 MISCELLANEOUS MATERIALS

- A. General: Provide auxiliary materials for gypsum drywall work of the type and grade recommended by the manufacturer of the gypsum board.
- B. Gypsum Board Fasteners: Comply with GA-216-80.
- C. Concealed Acoustical Sealant: Mastic type, non-shrinking, non-drying, non-migrating, and non-staining.
- D. Durabond 500 adhesive, or equal.

PART 3 EXECUTION

3.1 GENERAL GYPSUM BOARD INSTALLATION REQUIREMENTS

- A. Pre-Installation Conference: Meet at the project site with the installers of related work and review the coordination and sequencing of work to ensure that everything to be concealed by gypsum drywall has been accomplished and that chases, access panels, openings, supplementary framing and blocking, and similar provisions have been completed.
- B. General Standards: In addition to compliance with GA-216, comply with manufacturer's instructions and requirements for fire-resistant ratings (if any), whichever is most stringent.
- C. Install ceiling board in the direction and manner which will minimize the number of end-butt joints and which will avoid end joints in the central area ceiling. Stagger end joints at least 1'-0".
- D. Install wall/partition boards vertically to avoid end-butt joints wherever possible. At stairwells and similar high walls, install board horizontally with end joints staggered over studs. Use double nailing system of attachment.
- E. Form control joints and expansion joints with space between edges of boards, prepared to receive trim accessories.
- F. Isolate perimeter of non-load-bearing drywall partitions at structural abutments. Provide 1/4 inch space and trim edge with J-type semi-finishing edge trim. Seal joints with acoustical sealant.
- G. Floating Construction: Where feasible, including where recommended by manufacturer, install gypsum board with "floating" internal corner construction, unless isolation of the intersection boards is indicated, or unless control or expansion joints are required.
- H. All mechanical shafts, horizontal and vertical, shall be protected with one-hour fire-rated drywall system.

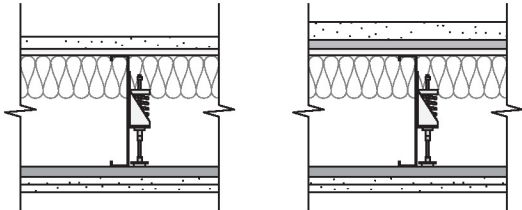
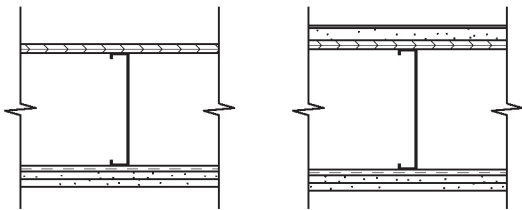
3.2 INSTALLATION OF DRYWALL TRIM AND ACCESSORIES

- A. General: Where feasible, use the same fasteners to anchor trim accessory flanges as required to fasten gypsum board to the supports. Otherwise, fasten flanges by nailing or stapling in accordance with manufacturer's instructions and recommendations.
- B. Install PVC corner beads at external corners of drywall work.
- C. Where gypsum board is indicated to be directly adhered to a substrate (other than studs, joists, furring members or base layer of gypsum board), comply with gypsum board manufacturer's recommendations, and temporarily brace or fasten gypsum board until fastening adhesive has set. Prebow gypsum board as required.

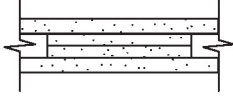
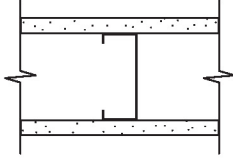
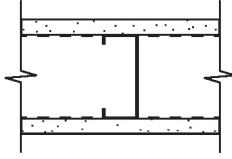
3.3 DRYWALL FINISHING

- A. General: Apply treatment at gypsum board joints (both directions), flanges of trim accessories, penetrations, fasteners heads, surface defects, and elsewhere as required to prepare work for decoration. Prefill open joints and rounded or beveled edges, using type of compound recommended by manufacturer.
- B. Apply joint tape at joints between gypsum boards, except where a trim accessory is indicated.
- C. Apply joint compound in three (3) coats (not including prefill of openings in base) and sand between all coats to provide smooth wall finish (no spray-on texture).
- D. Fire-tape drywall behind other finish materials.

—END OF SECTION—

FLOOR-CEILING SYSTEMS, NONCOMBUSTIBLE			
GA FILE NO. FC 1100	PROPRIETARY	1 HOUR FIRE	60 to 64 STC SOUND
<p>GYPSUM PANEL, METAL CHANNEL, SPRING ISOLATOR, INSULATION, STEEL CHANNEL JOISTS, STEEL DECKING, GYPSUM TOPPING</p> <p>Fire Design: 1" gypsum floor topping applied to optional sound mat adhered to minimum 9/16" deep steel deck, attached to 9-1/4" deep 54 mil steel channel joists spaced 24" o.c., solid bridging 2-1/2" x 21-1/2" 18 ga galv steel, proprietary spring isolators attached to web of joist 48" o.c. 25 ga 2-1/2" wide by 7/8" deep rigid furring channel friction fit to isolator. Minimum 3-1/2" glass fiber suspended between top cord of joists with 18 ga. steel wires. Base layer of 5/8" proprietary type X gypsum panel attached with 1" Type S screws 12" o.c. Face layer gypsum panel attached 8" o.c. butt joints staggered 24" within a layer and butt and side joints staggered 24" between layers.</p> <p>Sound Design: Sound tested with 3/4" sound mat and 1-1/2" gypsum floor topping.</p> <p>PROPRIETARY GYPSUM PANEL PABCO® Gypsum - 5/8" FLAME CURB® Type C</p>		 <p>Approx. Ceiling Weight: 5.0 psf (Fire and Sound))</p> <p>Fire Test: UL R7094, 20SR5341412 7-16-20 UL Design H516</p> <p>Sound Test: Intertek-ATI J1110.27-113-11-R0, 10-24-19 (61 STC, 56 IIC Bare Gypsum Floor Topping) Intertek-ATI J1110.28-113-12-R0, 10-23-19 (61 STC, 64 IIC Eng. wood over underlayment)</p>	
GA FILE NO. FC 1104	PROPRIETARY	1 HOUR FIRE	55 to 59 STC SOUND
<p>GYPSUM WALLBOARD, RESILIENT CHANNELS, STEEL CHANNEL JOISTS, FLOOR UNDERLAYMENT</p> <p>Fire Design: Base layer 5/8" proprietary type X gypsum wallboard applied at right angles to resilient channels 16" o.c. with 1" Type S screws 24" o.c. Resilient channels applied at right angles to channel shaped, minimum 9-3/8" deep, 54 mil galvanized steel joists 24" o.c. with 1/2" Type S-12 screws at each joist. Butt joints staggered minimum 16" in adjacent layers. Face layer 5/8" proprietary type X gypsum wallboard applied at right angles to channels with 1-5/8" Type S screws 12" o.c. Butt joints of face layer attached to base layer with 1-1/2" Type G screws 8" o.c. along the joint. Joists supporting 3/4" wood structural panel subfloor applied at right angles to joists with construction adhesive with mechanical fasteners 24" o.c.</p> <p>Sound Design: Sound tested with 10" deep channel steel joists, 1" gypsum floor topping, and 1/4" acoustical mat.</p> <p>PROPRIETARY GYPSUM BOARD CertainTeed Gypsum, Inc. - 5/8" CertainTeed® Type C</p>		 <p>Approx. Ceiling Weight: 4.9 psf (Fire and Sound)</p> <p>Fire Test: UL R3660, 87RT1694, 11-12-87, UL Design L527</p> <p>Sound Test: NGC 5020083 & NGC 7020101, 7-10-20 (STC 56, IIC 38), NGC 5020082 & NGC 70200100, 7-10-20 (STC 57, IIC 75 with Carpet and Pad), NGC 5020084 & NGC 7020102, 7-13-20 (STC 56, IIC 51 with 3/16" LVT over underlayment), NGC 5020085 & NGC 7020103, 7-13-20 (STC 56, IIC 52 with 3/8" engineered hardwood over underlayment)</p>	

The descriptions in this manual are summaries. For complete assembly information, review the listed design.

WALLS AND INTERIOR PARTITIONS, NONCOMBUSTIBLE			
GA FILE NO. WP 1330	GENERIC	1 HOUR FIRE	
<p align="center">GYPSUM WALLBOARD, GYPSUM STUDS</p> <p>Fire Design: One layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel to each side of 6" wide gypsum studs 24" o.c. with 1" Type G screws 20" o.c. and with laminating compound. Gypsum studs fabricated from 2 or 3 layers of 1/2" or 5/8" laminated gypsum panels. Fire tested with 1" thick gypsum studs. (NLB)</p>			<p>Thickness: Varies (Fire)</p> <p>Limiting Height: 12'0"</p> <p>Approx. Weight: 8 psf (Fire)</p> <p>Fire Test: UL R2717-19, -21, 6-3-57, UL Design U510, ULC Design W502</p>
GA FILE NO. WP 1350	GENERIC	1 HOUR FIRE	
<p align="center">GYPSUM WALLBOARD, STEEL STUDS</p> <p>Fire Design: One layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel or at right angles to each side of 3-5/8", 18 mil steel studs 24" o.c. with 1" Type S screws 8" o.c. at vertical joints and 12" o.c. at floor and ceiling runners and intermediate studs. Joints staggered 24" on opposite sides. (NLB)</p>			<p>Thickness: 4-7/8" (Fire)</p> <p>Approx. Weight: 6 psf (Fire)</p> <p>Fire Test: FM WP-45, 6-19-68, OSU T-1770, 8-61, ULC 79T484, 79T500, 79T497, 8-12-81, ULC Design W415</p>
GA FILE NO. WP 1351	GENERIC	1 HOUR FIRE	
<p align="center">GYPSUM WALLBOARD, STEEL STUDS</p> <p>Fire Design: One layer 5/8" type X gypsum wallboard or gypsum veneer base applied parallel to each side of 3-1/2", 33 mil steel studs 24" o.c. with 1" Type S-12 screws 12" o.c. Studs attached to each side of floor and ceiling runners by welding or with 1/2" Type S-12 pan head screws. Joints staggered 24" on opposite sides.</p> <p>Bracing: All design details enhancing the structural integrity of the wall assembly, including the axial design load of the studs, shall be as specified by the steel stud designer and/or producer, and shall meet the requirements of all applicable local code agencies. Where required for lateral support of studs, support may be provided by means of steel straps, channels or other similar means as specified in the structural design. Tested at 100 percent of design load. (LOAD-BEARING)</p>			<p>Thickness: 4-3/4" (Fire)</p> <p>Approx. Weight: 6 psf (Fire)</p> <p>Fire Test: UL NC505-2, 82NK16158, 7-29-82, UL Design U425</p>

The descriptions in this manual are summaries. For complete assembly information, review the listed design.