DIVISION 01 – GENERAL REQUIREMENTS

01 10 00 – Summary

PART 1 – GENERAL

1.1 Summary

- Work includes exterior envelope rehabilitation of warehouse buildings including removal and replacement of siding, installation of weather-resistive barrier, flashing improvements, window and door replacement, and associated exterior work.
- Work may also include optional bid items consisting of lean-to demolition, installation of a prefabricated storage structure, or construction of a stand-alone lean-to storage structure as identified in the Statement of Work and bid schedule.

1.2 Related Documents

- Drawings, Statement of Work (SOW), and Appendices are part of the Contract Documents

01 30 00 – Submittals

PART 1 – GENERAL

1.1 Submittal Requirements

- Contractor shall submit product data for the following:
  - ✓ Metal siding panels and trim
  - ✓ Weather-resistive barrier
  - ✓ Flashing materials
  - ✓ Windows
  - ✓ Doors and hardware
  - ✓ Soffit and fascia systems
  - ✓ Prefabricated structure (if optional item is awarded)
  - ✓ Stand-alone lean-to storage structure materials (if optional item is awarded)
  - ✓ Shop drawings and structural design information for stand-alone lean-to structure (if optional item is awarded)
  - ✓ Chain-link fencing and gate materials (if optional item is awarded)
- Submittals shall include:
  - ✓ Manufacturer specifications
  - ✓ Material descriptions
  - ✓ Finish and color information
  - ✓ Shop drawings showing overall dimensions, elevations, roof slope, framing layout, gate configuration, footing details, anchorage methods, and material specifications for the stand-alone lean-to structure

1.2 Color Selection

- Submit manufacturer color charts for siding, trim, soffit, fascia, flashing, and windows.
- Final color selections shall be made by the Government.

1.3 Approval

- No materials shall be ordered or installed prior to Government approval.

WASHBURN WAREHOUSE SIDING SPECIFICATIONS

01 40 00 – Quality Requirements

PART 1 – GENERAL

1.1 Field Verification

- Contractor shall verify all field conditions including dimensions, openings, and existing construction prior to ordering materials.

1.2 Standards

- All materials and installation shall comply with applicable building codes and manufacturer requirements.

1.3 Manufacturer Instructions

- Where conflicts occur, the more stringent requirement shall apply.

01 50 00 – Temporary Facilities and Controls

PART 1 – GENERAL

1.1 Protection

- Protect building interiors, adjacent structures, and site features during construction.
- Contractor shall coordinate material deliveries and storage to prevent damage or weather exposure.

1.2 Weather Protection

- Provide temporary weather protection for exposed wall assemblies during construction.

1.3 Access and Operations

- Maintain safe access to building entrances and coordinate work to allow continued facility operation where feasible.

01 70 00 – Execution and Closeout

PART 1 – GENERAL

1.1 Cleaning

- Remove debris and waste materials regularly.
- Maintain clean and orderly work areas.

1.2 Repair of Damage

- Repair or replace any damage to buildings, adjacent property, or site features caused by construction activities at no additional cost to the Government.

1.3 Final Inspection

- Notify the Government when work is substantially complete for inspection.

DIVISION 06 – WOOD, PLASTICS, AND COMPOSITES

06 10 00 – Exterior Storage Structures

PART 1 – GENERAL

1.1 Summary

- Provide materials, labor, equipment, and accessories required for exterior storage structures associated with awarded optional bid items.
- Work may include:
  - ✓ Prefabricated storage structure installation
  - ✓ Construction of stand-alone lean-to storage structure
  - ✓ Chain-link fencing and gate installation
  - ✓ Site preparation and grading

PART 2 – PRODUCTS

2.1 Prefabricated Storage Structure

- Prefabricated storage building, nominal size 16 ft x 24 ft
- Suitable for exterior storage use in northern climate conditions
- Include manufacturer's standard roofing, siding, doors, and trim
- Include one 8 ft x 7ft overhead door
- Include one 3 ft service door
- Color coordinate with warehouse improvements

2.2 Stand-Alone Lean-To Structure

- Pressure-treated framing where exposed to weather or ground contact
- Metal roofing and siding coordinated with warehouse siding system
- Minimum 6-foot clear interior height at low side
- Minimum roof slope of 3:12
- Open front enclosed with chain-link fencing and gate

2.3 Fence and Gate

- Galvanized chain-link fencing, minimum 6-foot height
- One (1) rolling chain-link gate, nominal width 8 feet, configured to slide parallel to the fence line
- Latch hardware suitable for padlock security

DIVISION 07 – Thermal and Moisture Protection

07 25 00 – Weather-Resistive Barrier (WRB)

PART 1 – GENERAL

1.1 Summary

- Provide a continuous weather-resistive barrier (WRB) system at all exterior wall assemblies.

1.2 Submittals

- Product data for WRB materials
- Manufacturer installation instructions

1.3 Quality Assurance

- Installation shall comply with manufacturer requirements
- Contractor shall verify substrate conditions prior to installation

PART 2 – PRODUCTS

2.1 Materials

- Weather-resistive barrier: Tyvek CommercialWrap or approved equal

2.2 Accessories

- Manufacturer-recommended seam tape
- Flashing tape for openings and penetrations
- Sealants compatible with WRB system

PART 3 – EXECUTION

3.1 Preparation

- Ensure wall surfaces are clean, dry, and free of debris prior to installation
- Verify sheathing or existing substrate is secure and suitable

3.2 Installation

- Install WRB continuously over all exterior wall surfaces
- Lap seams in accordance with manufacturer requirements
- Tape all seams using manufacturer-approve tape
- Integrate WRB with all flashing components to maintain a continuous drainage plane
- Extend WRB into window and door openings as required

3.3 Penetrations and Openings

- Seal all penetrations including:
  - ✓ Electrical boxes
  - ✓ Conduit
  - ✓ Pipes
  - ✓ Vents
- Provide flashing and sealing to maintain continuity of WRB and air barrier

3.4 Integration

- Coordinate installation with:
  - ✓ Flashing
  - ✓ Windows and doors
  - ✓ Siding system
- Ensure continuous air and water barrier at all transitions

3.5 Protection

- Protect installed WRB from damage and prolonged exposure
- Repair tears or damage prior to installation of siding

07 62 00 – Flashing and Sheet Metal

PART 1 – GENERAL

1.1 Summary

- Provide pre-finished metal flashing and sheet metal components required for a complete and weathertight exterior wall assembly.

1.2 Submittals

- Product data for flashing materials
- Manufacturer specifications
- Finish and color information

1.3 Quality Assurance

- Installation shall comply with manufacturer requirements and acceptable industry practices
- Coordinate with WRB, siding, and openings to maintain continuous water management system

PART 2 – PRODUCTS

2.1 Materials

- Pre-finished metal flashing compatible with the selected siding system
- Color-matched to adjacent materials where exposed

2.2 Fabrication

- Fabricated flashing with bends and profiles suitable for intended application
- Provide drip edges where exposed
- Form pieces to direct water away from wall assemblies

2.3 Compatibility

- Flashing materials shall be compatible with adjacent materials to prevent galvanic corrosion

Part 3 – EXECUTION

3.1 Installation – General

- Install flashing at all locations required to prevent water intrusion
- Install in accordance with siding manufacturer requirements
- Install flashing in a continuous manner to direct water to the exterior

3.2 Locations

- Provide flashing at a minimum at the following locations:
  - ✓ Window and door heads
  - ✓ Roof-to-wall intersections
  - ✓ Foundation -to-wall interfaces
  - ✓ Horizontal transitions in wall assemblies
  - ✓ Base of wall

3.3 Base of Wall Flashing

- Install continuous metal base flashing at foundation-to-wall transition
- Extend flashing behind siding and over foundation face
- Maintain minimum 6”-8” between siding and finished grade

3.4 Integration with WRB

- Install flashing in shingle fashion with WRB
- WRB shall lap over flashing to direct water outward
- Integrate flashing with WRB to maintain continuous drainage plane

3.5 Roof-to-Wall Intersections

- Provide step flashing and counterflashing where required
- Install kick-out flashing at roof terminations against walls

3.6 Openings and Penetrations

- Provide head flashing (drip cap) at windows and doors
- Seal and flash all wall penetrations including conduit, piping, and vents
- Ensure all penetrations are integrated with WRB system

3.7 Protection and Repair

- Protect installed flashing from damage
- Replace or repair damaged flashing prior to siding installation

07 42 13 – Metal Wall Panels

PART 1 – GENERAL

1.1 Summary

- Provide prefinished steel panel siding system including panels, trim, fasteners, and accessories required for complete exterior wall system.

1.2 Submittals

- Product data for panels and accessories
- Manufacturer specifications
- Color charts and finish information
- Trim and accessory details

1.3 Quality Assurance

- Installation shall comply with manufacturer requirements
- Contractor shall field verify conditions prior to installation
- Coordinate with WRB and flashing to maintain a continuous water management system

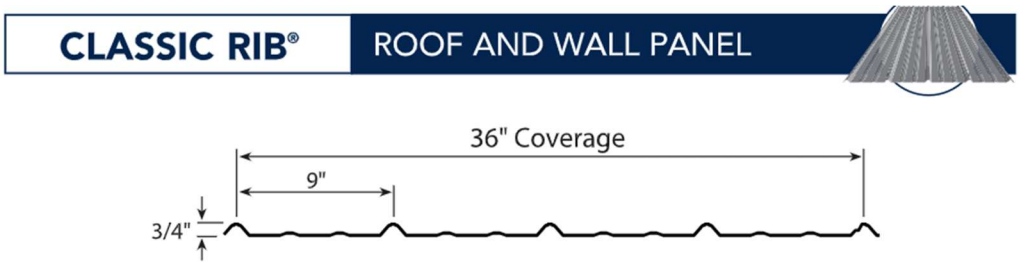
1.4 Warranty

- Submit manufacturer's standard finish warranty documentation for review.
- Finish System shall include Manufacturer's standard warranty for:
  - ✓ Film integrity
  - ✓ Fade resistance
  - ✓ Chalk resistance
  - ✓ Perforation resistance

PART 2 – PRODUCTS

2.1 Panel System

- Prefinished steel panel siding system **(Metal Sales Manufacturing Corporation – Classic Rib Panel or approved equal)**



- Exposed fastener panel suitable for commercial or warehouse applications

2.2 Materials

- Minimum 26-gauge steel panels
- Factory-applied finish: PVDF (Kynar 500 or approved equal)
- Color selected by Government from manufacturer's standard options

2.3 Trim and Accessories

- Manufacturer-standard trin components including:
  - ✓ Corner trim
  - ✓ Base trim
  - ✓ Window and door trim
  - ✓ Transition trim
- Trim shall be prefinished and compatible with siding system
- Trim color (match or accent) shall be selected by Government

2.4 Fasteners

- Corrosion-resistant fasteners compatible with panel system
- Color-matched where exposed

PART 3 – EXECUTION

3.1 Preparation

- Verify wall assemblies are properly prepared and WRB is installed
- Do not begin installation until substrate conditions are suitable

3.2 Installation

- Install panels plumb, level, and aligned with consistent rib spacing
- Install in accordance with manufacturer requirements
- Maintain uniform panel layout across elevations
- Install starter and base trim to allow drainage at bottom of wall

3.3 Coordination

- Coordinate installation with:
  - ✓ Flashing
  - ✓ Windows and doors
  - ✓ Soffit and fascia
  - ✓ Ensure continuous WRB and drainage plane

3.4Protection and Repair

- Protect panels from damage during installation
- Repair or replace damaged panels as required

07 46 00 – Soffit and Fascia

PART 1 – GENERAL

1.1 Summary

- Provide soffit and Fascia system including materials, trim, and accessories required for a complete installation.

1.2 Submittals

- Product data for soffit and fascia materials
- Manufacturer specifications
- Color and finish information

1.3 Quality Assurance

- Installation shall comply with manufacturer requirements
- Coordination with siding and flashing systems for a continuous exterior envelop

PART 2 – PRODUCTS

2.1 Fascia

- Wood sub-fascia to match existing construction
- Pre-finished aluminum fascia cover over wood sub-fascia

2.2 Soffit Panels

- Vented aluminum soffit panels for attic ventilation
- Solid aluminum soffit panels where ventilation is not required

2.3 Accessories

- Manufacturer-standard trim and support components
- Fasteners compatible with soffit and fascia materials

2.4 Coordination

- Soffie, fascia, and associated trim components shall be compatible with the selected siding system
- Exposed components shall be coordinated in color and finish to provide a uniform exterior appearance

PART 3 – EXECUTION

3.1 Preparation

- Remove existing soffit and fascia materials
- Inspect rafter tails and roof edge framing
- Repair or replace deteriorated components as required

3.2 Installation

- Install wood sub-fascia securely to roof framing
- Install aluminum fascia cover over sub-fascia
- Install soffit panels square, level, and aligned
- Provide vented soffit where required for attic ventilation

3.3 Ventilation

- Coordinate soffit installation with existing ridge vent system
- Maintain continuous airflow from soffit to ridge vent where applicable

3.4 Coordination

- Coordinate installation with siding, flashing, and roof edge components
- Ensure sight, uniform joints and consistent appearance

3.5 Protection

- Protect installed materials from damage
- Replace damaged components prior to completion

Division 08 – Openings

08 53 00 – Windows

PART 1 – GENERAL

1.1 Summary

- Remove and replace exterior windows as indicated.
- Window quantity and locations may be adjusted by the Government prior to ordering

1.2 Submittals

- Product data for windows
- Manufacturer specifications
- Performance data
- Color and finish information

1.3 Quality Assurance

- Contractor shall field verify window sizes, quantities, and operation types prior to ordering
- Installation shall comply with manufacturer requirements
- Coordinate with WRB and flashing systems for a continuous water and air barrier

PART 2 PRODUCTS

2.1 Window Construction and Performance

- Vinyl or fiberglass frame construction
- Double-pane insulated glazing (triple-pane acceptable)
- Low-E coating with argon gas fill
- U-factor of 0.30 or lower (ENERGY STAR Northern Climate compliant or equivalent)
- Factory-finished frames (manufacturer standard color selected by the Government)

2.2 Window Operation

- Replacement windows shall match existing operation type at each location (e.g., double-hung, sliding, fixed)
- Any deviations shall be submitted for approval and receive written approval prior to installation
- Where existing operation type is unknown or cannot be replicated, contractor shall propose and alternative for approval

PART 3 – EXECUTION

3.1 Preparation

- Remove existing windows and prepare openings
- Inspect rough openings and repair damage as required

3.2 Installation

- Install windows plumb, level, and square
- Install in accordance with manufacturer requirements
- Provide sill flashing, jamb flashing, and head flashing
- Integrate window flashing with WRB system
- Install head flashing (drip cap) above all windows

3.3 Air Sealing

- Provide continuous air sealing at window perimeters using low-expansio spray foam or backer rod and sealant
- Maintain continuity of air barrier system

3.4 Interior Finishes

- Finished Interior Areas:
- Provide wood extension jambs to match wall thickness
- Provide interior casing/trim to match existing or approved standard
- Prime and paint interior components
- Unfinished Interior Areas:
- Interior trim not required
- Window frames may remain exposed
- Seal perimeter of opening to maintain air barrier
- Provide clean, functional installation suitable for utility space

3.5 Exterior Trim

- Provide exterior trim compatible with siding system
- Install head trim with proper drainage
- Integrate all trim with WRB and flashing

3.6 Window Removal

- Where windows are designated for removal, infill openings with framing, insulation, and sheathing
- Integrate infill with WRB and siding system to maintain continuous building envelope

3.7 Protection and Repair

- Protect installed windows from damage
- Replace damaged units prior to completion

08 11 13 – Doors and Frames

PART 1 – GENERAL

1.1 Summary

- Provide hollow metal doors and accessories required for complete installation.

1.2 Submittals

- Product data for doors, frames, and hardware
- Manufacturer specifications
- Finish information

1.3 Quality Assurance

- Contractor shall field verify dorr sizes, swing, and existing conditions prior to ordering
- Installation shall comply with manufacturer requirements
- Coordinate with flashing, WRB, and siding system

PART 2 – PRODUCTS

2.1 Doors

- 18-gauge hollow metal door with insulated core suitable for exterior applications

2.2 Frames

- 16-gauge welded hollow metal frame
- Factory-primed or galvanized suitable for exterior exposure

2.3 Door Hardware

- Commercial-grade hinges
- Commercial-grade door closer
- Weatherstripping and threshold
- Keypad lockset (Schlage CO-100 or approved equal), battery-operated, standalone, lever handle design, with programmable combination access and key override

2.4 Accessories

- Fasteners and anchors compatible with door and frame system
- Sealants compatible with adjacent materials

PART 3 – EXECUTION

3.1 Preparation

- Remove existing doors and frames
- Prepare openings for installation
- Inspect openings and repair as required

3.2 Installation

- Install doors and frames plumb, level, and secure
- Install in accordance with manufacturer requirements
- Coordinate installation with WRB and flashing system
- Provide proper flashing at door openings

3.3 Integration

- Integrate door frames with WRB
- Provide continuous air and water barrier at openings

3.4 Overhead door Openings

- Replace wood jambs at overhead door openings
- Prepare and paint wood jambs to match adjacent construction

3.5 Adjustment and Operation

- Adjust doors and hardware for smooth operation
- Verify proper function of locksets and closers

3.6 Protection and Repair

- Protect installed doors and hardware from damage
- Replace damaged components prior to completion

DIVISION 09 – FINISHES

09 90 00 – Painting and Coating

PART 1 – GENERAL

1.1 Summary

- Provide field-applied painting and touch-up of exposed materials as required for a complete installation.

PART 2 – PRODUCTS

2.1 Materials

- Exterior-grade paint suitable for wood and metal surfaces
- Color to match adjacent materials or as selected by the Government

PART 3 – EXECUTION

3.1 Preparation

- Clean and prepare surfaces prior to painting

3.2 Application

- Prime and paint all exposed unfinished wood and metal surfaces including:
  - ✓ Cut edges
  - ✓ Field-fabricated trim
  - ✓ Repaired areas
  - ✓ Overhead door wood jambs

3.3 Finish

- Match adjacent finishes where applicable
- Provide uniform appearance

09 97 00 – Sealants

PATR 1 – GENERAL

1.1 Summary

- Provide sealants at all exterior joints, seams, and penetrations

PART 2 – PRODUCTS

2.1 Materials

- Exterior-grade sealant compatible with adjacent materials
- Color to match adjacent materials where exposed

PART 3 – EXECUTION

3.1 Application

- Seal all joints, seams, and penetrations including:
- Windows and doors
- Siding transitions
- Flashing interfaces
- Utility penetrations

3.2 Installation

- Install sealant in accordance with manufacturer requirements
- Ensure complete and continuous seals

3.3 Finish

- Tool sealant for a neat and uniform appearance