

SPECIFICATIONS FOR
REPLACE OVERHEAD DOORS AT THE CLINCH WORK CENTER
CLINCH RANGER DISTRICT
GEORGE WASHINGTON & JEFFERSON NATIONAL FORESTS
WISE, VIRGINIA

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PHOTOS

EXTERIOR LEFT SIDE
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INTERIOR DOOR CLOSED
INTERIOR DOOR OPEN
INTERIOR OVERHEAD TRACK

DIVISION 1 - GENERAL REQUIREMENTS

01100 - SUMMARY

01010 - Summary of Work

Contractor shall provide all labor, equipment, tools and materials necessary to remove two existing and replace two new steel sectional overhead doors for the Workshop, at the Work Center on the Clinch Ranger District, located in Wise, VA, off of US Route 23, in accordance with all contract documents.

Contractor shall be responsible for field-verifying existing conditions before ordering materials.

Contractor shall be responsible for protection of all existing conditions to remain.

01050 - COORDINATION

Contractor shall coordinate all work, work times, submittals, access, lay-down areas, parking and construction limits with the COR. The Clinch Work Center will be occupied by employees during construction. Contract time shall be 14 days.

01300 - SUBMITTALS

01340 - Shop Drawings, Product Data

The following submittals, consisting of material samples, color samples, manufacturer's product data and shop drawings, shall be provided to the COR for approval at least (3) days prior to starting on the work item or purchasing the product/material, two copies each OR via electronic submittal (preferred). Product data shall include product name, model number, manufacturer, product description, technical data and warranty. Include the following submittals:

1. Work/safety plan and schedule.
2. Overhead doors, track assemblies, accessories, color chart.
3. Others as specified.

The following submittals shall be provided to the COR for approval, prior to final acceptance of the work item, two copies each OR via electronic submittal (preferred):

1. Test results for any/all testing done.
2. Material Safety Data Sheets for any/all chemicals used.
3. Warranties for any/all materials and equipment.
4. O&M for all materials and equipment.

All other products and materials, not otherwise indicated above, shall be submitted to the COR for review by designer, prior to starting on the work item or purchasing the product/material, two copies each OR via electronic submittal (preferred).

01500 - TEMPORARY FACILITIES AND CONTROLS

01511 - Temporary Electricity

Electricity is available at the Clinch Work Center.

01515 - Temporary Water

Potable water is available at the Clinch Work Center.

01516 - Temporary Sanitary Facilities

Toilets are available at the Clinch Work Center.

01550 - Vehicular Access and Parking

Access and parking are available at the Clinch Work Center.

01530 - BARRIERS

Contractor shall erect a barrier around work areas for the protection of the employees. Use of plastic construction sheeting and yellow hazard tape is acceptable.

01700 - PROJECT CLOSEOUT

01710 - Cleaning

Contractor shall pick up all trash and construction debris around the work area daily, and shall pick up and remove all trash and construction debris from in and around the work area before final acceptance.

01730 - OPERATIONS AND MAINTENANCE DATA

Contractor shall turn over at least two copies of all instructions, parts lists, warranties, etc., that may be included with materials provided, to the COR for future maintenance use.

DIVISION 08 - OPENINGS

08100 - DOORS AND FRAMES

08361 - STEEL SECTIONAL OVERHEAD DOORS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Manually operated steel sectional overhead doors.
 - 2. Operating hardware, controls, and supports.

1.2 REFERENCES

- A. ASTM International (ASTM) A653/A653M-03 - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.

1.3 SYSTEM DESCRIPTION

- A. Design doors to withstand:
 - 1. Positive and negative design wind loads in accordance with all building codes.
 - 2. Minimum cycle life of 10,000 cycles.
- B. Operation: Chain hoist.
- C. Track and Operating Hardware: Standard lift type.

1.4 SUBMITTALS

- A. Submittals for Review:
 - 1. Shop Drawings: Indicate opening dimensions and required tolerances, connection details, anchorage spacing, hardware locations, and installation details.
 - 2. Product Data: Provide information on component construction, anchorage method, hardware, and standard color chart.
- B. Closeout Submittals:
 - 1. Operation and Maintenance Data.

1.5 WARRANTIES

- A. Provide manufacturer's one year warranty against defects in materials and workmanship.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Contract Documents are based on Model 3216 by C.H.I. Overhead Doors.
- B. Substitutions: "or equal" products are acceptable.

2.2 MATERIALS

- A. Galvanized Steel Sheet:
 - 1. ASTM A653/A653M, Structural Quality, G60 coating class.
- B. Glazing: Clear insulating glass.

2.3 COMPONENTS

- A. Door Sections:
 - 1. Type: Micro-grooved sandwich style.
 - 2. Material: Galvanized steel.
 - 3. Gauge: 26 gauge exterior skin with 27 gauge interior skin, polyurethane core sections.
 - 4. R-Value: 17.54
 - 5. Thickness: Nominally 2 inches.
 - 6. Rails: Tongue-and-groove.
 - 7. End caps: Wrap-around box style, 20 gauge galvanized steel, full height of section.
 - 8. Insulation: 95 percent closed cell, foamed-in-place polyurethane with thermal break.
 - 9. Vision lites:
 - a. Rectangular, 16 x 34 inches, set with silicone sealant and screws.
 - b. Pattern: centered.
- B. Tracks:
 - 1. 2 inches wide, roll-formed galvanized steel, 16 gauge for doors up to 10 feet high.
 - 2. Lower track sections adjustable for weathertight fit.
 - 3. Horizontal tracks reinforced with minimum 13 gauge galvanized steel angle according to door weight and size.
- C. Hinge and Roller Assemblies: Heavy duty hinges and adjustable roller holders of galvanized steel, with floating hardened steel bearing rollers, located at top and bottom of each panel, each side.
- D. Spring Counterbalance:
 - 1. Oil tempered torsion springs mounted on cross-header shaft supported by galvanized steel ball bearing end plates and center carrier brackets as required.
 - 2. Counterbalance transferred to doors via aircraft quality braided steel lift cables.
- E. Bottom Weatherstripping: Vinyl weatherseal, full width of door.
- F. Head and Jamb Weatherstripping: Flexible one piece vinyl extrusions.
- G. Lock: Inside slide type, adjustable keeper, spring activated.
- H. Finish:
 - 1. Exterior panel surfaces: Baked-on enamel primer and polyester finish coat, color to be selected from manufacturer's standards.
 - 2. Interior panel surfaces: Baked-on polyester primer.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install door assembly in accordance with manufacturer's instructions.
- B. Anchor to adjacent construction without distortion or stress.
- C. Securely brace door tracks suspended from structure. Secure tracks to structural members only.
- D. Fit and align door assembly including hardware, level and plumb, to provide smooth operation.
- E. Position head and jamb weatherstripping to contact door sections when closed; secure in position.

3.2 ADJUSTING

- A. Adjust to operate smoothly throughout full operating range.

PHOTOS



EXTERIOR LEFT SIDE



EXTERIOR RIGHT SIDE



INTERIOR DOOR CLOSED



INTERIOR DOOR OPEN



INTERIOR OVERHEAD TRACK