

Project Manual for:

D3 Maintenance Building Overhead Door Replacement Multiple Maintenance Sheds



April 2026

District 3 Maintenance Sheds at:

**Mountain Home
2586 Frontage Road, Mountain Home, ID 83646**

**Idaho City
3901 Highway 21, Idaho City, ID 83631**

**Lowman
#5 Riverfront Drive, Lowman, ID 83637**

TABLE OF CONTENTS

Title Page
Table of Contents

TECHNICAL SPECIFICATIONS

1.1 Sectional Overhead Doors

1.1 SECTIONAL OVERHEAD DOORS

- A. Manufacturers:
 - 1. Raynor Garage Door Model Tricore Standard.
 - 2. Overhead Door.
 - 3. Substitutions: Section 01 60 00 - Product Requirements.
- B. Product Description: Steel overhead sectional doors, electric operation, stock configuration and hardware.
 - 1. Door Nominal Thickness: 3 inches thick.

1.2 DOOR OPERATOR

- C. Provide doors designed for manual and electric motor operation.
- D. Manufacturer Product Designation:
 - 1. Raynor Control Hoist 2.0 Optima:
 - 2. Type: Jackshaft
 - 3. Motor Horsepower Rating: Continuous HP as determined by manufacturer for size of door.
 - 4. Electrical Requirements: 115 Volt Single Phase.
 - 5. Duty Cycle: 30 cycles/hour.
 - 6. Control Wiring: 24 volt control with provisions for connection of safety edge to reverse and external radio control hook-up. Three button momentary contact "open-close-stop".
- E. Wire Doors to open independently.

1.3 DOOR SECTIONS

- F. Material: Steel sandwich construction, 3 inches (76.2 mm) thick, roll from commercial quality, hot-dipped galvanized steel ASTM A 924 and ASTM 653. Exterior and interior section skins to be constructed of 25 gauge steel (0.017 inch minimum thickness) embossed stucco texture, mechanically interlocked and pressure bonded to a 2-7/8 inches (73 mm) thick, expanded polystyrene core. Hinge reinforcement plates shall be of 14 gauge edge plates and 16 gauge center plates, located within section interior at every hinge location. End stiles to be 14 gauge, separated from the exterior skin by a vinyl thermal break.
- G. Mounting: Sections mounted in door opening using Lap Jamb Angel Mounting: section overlap door jambs by 1 inch (25 mm) on each side of door opening Between-Jamb Bracket Mounting: sections mounted between door jambs, seal against perimeter seal installed along vertical and top horizontal edges of jambs.
- H. Insulation: Expanded polystyrene, R-value of 16.05 and U-value of 0.0623.
- I. Seals: Interior and exterior skins to be separated by continuous dual durometer vinyl seal held in place by mechanical interlock to form thermal break and complete weatherseal along section joint. Top of door to be provided with EPDM rubber sealing strip. Bottom of door to have flexible U-shape vinyl seal retained in aluminum rail.
- J. Trussing: Floors designed to withstand specified windload. Deflection of door in horizontal position to be maximum of 1/120th of door width.
- K. Color: Exterior skin to have two coats of paint, one primer coat and one finish coat. Color as selected by architect from manufacturer full range of colors.
 - 1. Bottom panel of OH door shall be high visibility yellow on interior and exterior of door
- L. Windows: Locations to comply with door elevation drawings. 36 inches by 14 inches full view (square –edge) window encased in an extruded PVC frame where shown on drawings.
- M. Glazing: Windows to be provided with 5/8 inch (16 mm) thick insulated glazing units as follows:
 - 1. Acrylic consisting of two panes of 1/8 inch (3.2 mm) thick acrylic Plexiglass.

1.4 TRACK

- N. Material: Hot-dipped galvanized steel (ASTM A-653), fully adjustable for adequate sealing of door to jamb or weatherseal.
- O. Configuration Type: Lift-Standard and high lift over crane.
- P. Size: 3 inches.
- Q. Mounting: Floor-to-Shaft Angle-Mount consisting of continuous angle extending from the floor, past header, completely up to door shaft for use with steel, wood, or masonry jambs. Continuous angle size not less than 2-5/16 inches by 5 inches x 3/32 inch on 2-inch track.
- R. Finishing: Galvanized Steel

1.5 COUNTERBALANCE SYSTEM

- S. Type: Provided with aircraft-type, galvanized steel lifting cables with minimum safety factor of 5. Torsion Springs consisting of heavy-duty oil-tempered wire torsion springs on a continuous ball-bearing cross-header shaft, Weight Counterbalance for lift clearance and vertical lift type configurations.

1.6 HARDWARE

- T. Hinges and Brackets: Fabricated from galvanized steel.
- U. Track Rollers: 3 inches diameter consistent with track size, with hardened steel ball bearings.
- V. Perimeter Seal: Provide complete weather stripping systems to reduce air infiltration. Weather stripping shall be replaceable without removal of track, mounting hardware, or door hardware. For bracket mounted doors provide climate seal or vinyl seal with aluminum retainer.

1.7 LOCATIONS AND INFORMATION

Building Location	Physical Address	Number of Doors	Height and Width	Motor Replaced	Sensor Replaced	Track Replaced
Idaho City	3901 Hwy 21, Idaho City ID 83631	Door 1	20'2" X 14'	Yes	Yes	Yes
		Door 2	20'2" X 14'	Yes	Yes	Yes
		Door 3	20'2" X 14'	Yes	Yes	Yes
		Door 4	20'2" X 14'	Yes	Yes	Yes
Lowman	#5 Riverfront Dr, Lowman ID 83637	Door 1	18' 10" X 12'	Yes	Yes	Yes
		Door 2	18' 10" X 12'	Yes	Yes	Yes
		Door 3	18' 10" X 12'	Yes	Yes	Yes
Mountain Home	2586 Frontage Rd, Mountain Home ID 83647	Door 2	20' X 12'	Yes	Yes	Yes
		Door 3	20' X 12'	Yes	Yes	Yes
		Door 4	20' X 12'	Yes	Yes	Yes