MATERIALS

Provide fence components meeting AASHTO M161 unless otherwise specified below. PROMISUE.

A. FABRIC - 2 in. (52) by 2 in. (52) mesh meeting the requirements of AASHTO M161 of gauge and sewing shown below:
- Fence Height: 5 ft. (1.5 m)
  - 11 Gauge (8.8 mike) Fabric
  - 9 Gage (9.8 mike) Fabric
- Fence Height: 6 ft. (1.8 m)
  - 10 Gauge (8.8 mike) Fabric
  - Top and Bottom Knuckled Sashing
  - Fence Height: 8 ft. (2.4 m)
  - Top - Barbed Sashing
  - Bottom - Knuckled Sashing

B. BELTWADE DETAIL - (use for securing the fence fabric)
  3/16 in. x 3/4 in. (4.7 x 25) galvanized steel.

C. TRUSS RODS - 3/8 in. (10) diameter galvanized steel rod with an industrial tree climber or turnbuckle tightening device. True rods are only required on gates over 5 ft. (1.5 m) in width.

D. INDUSTRIAL TREE CLIMBERS

E. CONCRETE CYLINDER ANCHOR - (for posts) Class 3 concrete or better.

F. TENSION BANDS - (use to secure the fabric atischer bar)
  1/4 in. x 3/4 in. (6 x 22) precision steel with a 3/16 in. x 1/4 in.
  3 x 60) carriage bolt. Place tension bands at the top and bottom of the eighteen bar and a 15 in. (38) c.c. maximum spacing vertically.

GATE POINT 90° - either standard pipe meeting AASHTO M161, steel pipe meeting ASTM A696, or roll-formed O-section. Depending roll-formed pipe in accordance with ASTM D123. Where roll-formed sections are selected, provide all connection hardware meeting industry standards for roll-formed sections and provide equal or greater strength than connection components required for round pipe.

GATE FRAME - construct with tubular members assembled by use of fastening fittings or welding. For each, horizontal support the width of the gate at the mid-point of the vertical frames members. For gates over 5 ft. (1.5 m) in width, provide intermediate vertical supports. Horse supports equidistant from each other and from gate ends. Provide horizontal and vertical supports of the same diameter pipe as the gate frame. Ensure the complete frame in rigidity and has ample strength to be free from sag and twist.

HINGES - heavy duty hinges of adequate strength for gates and large bearing surfaces for every inch as shown in the plans. Use hinges that will not rotate or turn under the action of the gate. Ensure gates are capable of being opened and closed easily by one person.

LATCHES, STOPS AND KEEPERS - for all gates. For single gates less than 10 ft. (3 m) wide use a forked latch. For double and angle gates over 10 ft. (3 m) wide, use drop bar latch. Use latches capable of锁定. For drop bar latches and the stop in concrete and engage the plunger of the bar latch. Use a mechanical locking device for securing the free end of the gate when in the full open position.

INDUSTRIAL GATE COMPONENT REQUIREMENTS

Wyoming Department
of Transportation

INDUSTRIAL GATES

Standard Plan

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