



Architectural Specification

Nordock FALL-STOP™ Series – Model MSG Manual Safety Barrier Gate

Available Heights: 8, 9 & 10 Feet
Available Widths: 7, 8, 9, & 10 Feet

SECTION 11

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Factory tested barrier gate with upright columns, operator, impact beam with bumpers, and electric controls.
- B. Installation and Owner's Manual.

1.02 RELATED WORK

- A. Section 11161 – Dock Levelers
- B. Section 11160 - Truck Restraints.
- B. Section 11164 - Seals and Shelters.
- C. Section 11165 - Dock Bumpers.

1.03 SYSTEM DESCRIPTION

- A. Manual operated safety barrier gate to the following requirements:
 - 1. Clear Opening Size: (_____) wide x (_____) high.
 - 2. Operating Height: Lowered barrier positioned 30" above floor and rising to the clear opening height.
 - 3. Barrier Strength: Lowered beam capable of withstanding an impact force of 10,000 pounds moving at 4 miles per hour.
 - 4. Balance: Weight system to operate within upright column to counter balance the beam.
 - 5. Operating System: Manual chain hoist operator with speed reduction and shaft drive.

6. Impact Bumper: Cellular energy absorbing cushions attached between beam and columns.

1.05 SUBMITTALS

- A. Submit Manufacturer's installation instructions.
- B. Submit shop drawings showing equipment dimensions and wiring schematics.

PART 2 PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. FALL-STOP Series - Model MSG (_____) as manufactured by Nordock Inc.

2.02 EQUIPMENT

A. Safety Barrier Gate:

1. Upright Columns: Two welded assemblies to be constructed of minimum 6" x 6" wide flange structural steel columns with 1/2" thick gusseted steel footplates. Each footplate drilled to accept six one-inch diameter concrete anchors.
2. Barrier Beam: Welded assembly to be constructed of minimum 6" structural channels and reinforcement angles. Assembly to wrap around upright columns and operate from a lowered position of 30" above floor to an open position allowing full height passage. Provide energy absorbing cellular bumpers to isolate the beam from the column for cushioning if impacted.
3. Operator: Barrier gate to be raised and lowered with a manual chain hoist with speed reduction for ease of operation. Solid drive shaft to have pinned connections, galvanized drums and aircraft type lifting cables with adjusters.
4. Counter Balance: Provide a maintenance free weight to counter balance the barrier beam for safety and efficiency. Enclose the weight within the upright column attached with galvanized aircraft cable and provide an access cover for ease of installation.
5. Finish: All surfaces to be degreased and painted with high solid machinery enamel. Color to be high visibility yellow.

B. Options

1. Hot dip galvanize all structural components.
2. Provide limit switches at top and/or bottom of barrier beam travel for interconnects to powered overhead door or dock leveler.

3. Provide NEMA 4 weatherproof operator and controls.
4. Integrate barrier gate to work in conjunction with all other related equipment including dock leveler, vehicle restraint and dock door.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install as per manufacturer's instructions.
- B. Adjust installed unit for operation as specified by Manufacturer.