

# Material Specifications

## FordLOGAN Woven Wire Partitions

*Manufactured by SpaceGuard Products*

1. **Wire Mesh:** #10 W&M Gauge - .130", triple crimped bright basic wire 1-1/2" diamond mesh pattern.
2. **Horizontal Frames:** 1" x 1/2", 12-gauge roll formed channels tenoned at ends. Series of holes for through bolting of top cap bar.
3. **Vertical Frames:** 1-1/4" x 5/8", 14-gauge roll formed "C" type channels mortised at ends. Series of slotted holes for securing to adjacent panels and post.
4. **Center reinforcement bar:** Two, 1" x 3/8", 12-gauge roll formed channels riveted together through mesh 42" above finished floor on 7', 8', and 9' high panels. Four channels are used on 10' and 12' high panels
5. **Panels:** Consisting of the above horizontal, vertical, and center reinforcement members mortise and tenon at corners with diamond mesh securely clinched to frames. Lower horizontal frame is located 3.7" from bottom of panel for maintenance sweep space.
6. **Flex Panels:** Two 8" -16 gauge hot rolled sheet steel punched and formed. Two 1-1/4" x 1-1/4" corner angles for bolting to adjacent panels and securing to floor. Adjustable coverage for distances of 3" to 12".
7. **Adjustable Panels:** 10 gauge wire mesh of above specification with 1-1/4" x 1/8" flat stock (same hole pattern as vertical frames) welded along sides. Two 1-1/4" x 1-1/4" corner angles for bolting to adjacent panels and securing to floor. Adjustable coverage for distances of 3" to 14".
8. **Hinge Doors:** Constructed of the same materials as panels, with 1-1/4" x 1/8" flat steel bar cover on sides. Complete with all necessary mounting hardware to install and operate.
  - Jambs: Two, 1-1/4" x 5/8", 14-gauge roll formed "C" type channels.
  - Hinges: Three 3" x 3" butt hinges; welded to door framing and bolted to jamb.
  - Padlock Arrangement: Lug connects to door and secures to swivel hasp on jamb.
  - Cylinder Lock: Mortise type with keyed different cylinder operated by key outside and recessed knob inside.
9. **Hinged Dutch Doors:** Constructed of the same materials as panels, with 1-1/4" x 1/8" flat steel bar cover on all sides.
  - Jambs: Two 1-1/4" x 5/8" – 14 gauge roll formed "C" type channels
  - Hinges: Two 3" x 3" butt hinges per section (*top and bottom*), bolted to door framing and jamb.
  - Cylinder Lock: Mortise type with keyed different cylinder operated by key outside and recessed knob inside; mounted to upper section of door.
  - Lori Latch w/strike: Mounted in and secures bottom section to adjacent strike jamb.
  - Shelf: Fabricated from 12 gauge hot rolled steel, 18" deep x 32" wide; with corners rounded and front/back edges formed and finished smooth; mounted on top of lower section of door and braced with 1-1/4" x 1/8" formed flat steel.
10. **Slide Doors:** Constructed of the same materials as panels, with 1-1/4" x 1/8" flat steel bar cover on all sides. Includes three line posts for track connection. Complete with all necessary mounting hardware to install and operate.
  - Jambs: Two, 1-1/4" x 5/8", 14-gauge roll formed "C" type channels.
  - Hardware: Two 4-wheel bearing trolleys rolling in an enclosed track, 45" bottom door guide for each door, and heavy-duty 30" lock receiver.
  - Padlock Arrangement: 1-1/2" lug attached to lock receiver.
  - Cylinder Lock: Mortise type with keyed different cylinder operated by key outside and recessed knob inside.

11. **Service Window (slide-up type):** 24" wide x 21-1/2" high opening with a 23-1/4" wide x 12" deep, 12-gauge shelf centered in opening. Secured to base with three 1/4" x 1" flat head screws. Window panel constructed of the same materials as standard panels.
12. **Service Window (fold-down type):** 24" wide x 15" high opening with a 24" wide x 15" deep – 12 gauge shelf hinged at the bottom of window opening. Shelf is folded in the up position for securing with a padlock when not in use. (*Padlock not supplied*)
13. **Corner post (for 90° corner):** 1-1/4" x 1-1/4" x 1/8" hot rolled angle. With 1-1/4" x 3/8" slotted holes aligning with bolt holes in vertical frames.
14. **Adjustable Corner post (other than 90°):** Four 3" x 3" butt hinges welded to two 1-1/4" x 5/8" roll formed "C" type channels with base plates punched to accept 3/8" diameter anchors. With 5/16" bolt holes aligning with bolt holes in vertical frames.
15. **Line/Stiffener post:** 3-1/2" x 1-1/4" - 10 gauge with base plates of 4" x 7" – 10 gauge flat stock, with four 7/16" diameter holes to accept 3/8" diameter anchors. Recommended usage is every 15' linear feet on 7' and 8' high systems and every 10' linear feet on 9', 10' and 12' high systems.
16. **Three Way post:** 1-1/4" x 1-1/4" x 1-1/4" U-shaped post with 1-1/4" x 2" flat stock base plate punched to accept a 3/8" diameter anchor. All three sides are punched with same hole pattern as vertical frames for bolting to adjacent panels.
17. **Top Capping Channel:** Proprietary design, intended to form fit over panels for increased rigidity. 1-1/2" x 1/2" – 14 gauge roll formed channel with holes included for through bolting to panel's horizontal frame. Not required when ceiling included.
18. **Base Shoes:** 2" high Die Cast with two holes to accept 1/4" diameter anchor for securing to floor; and with setscrew for leveling adjustment.
19. **Accessories:**
  - Wall Clips: 3/4" wide x 1/8" thick cold rolled steel; formed and punched for securing to existing wall.
  - Sweep Guards: 5-7/16" x 58" – 20 gauge cold-rolled steel; formed at top and bottom; secured with 1-1/4" x 1/4" hex head bolt and nut to bottom of panel frame; then anchored to finished floor.
  - Sheet Metal Base: 16 gauge Hot Rolled Sheet Metal wainscot welded in lower half of panels and doors below center reinforcement bar.
20. **Hardware:** 1/4" hex head bolts and nuts for all panel to panel, panel to door, and panel/door to post connections. Field bracing, floor and wall anchors by erector.
21. **Finish:** Two stage Phosphate wash with a standard 2 mil Polyester Powder Coat finish of SpaceGuard Gray, with options of Black, Green, Blue, Yellow, Red or custom color.

## WIRE MESH CEILINGS

22. **Ceiling Panels:** Fabricated from same mesh, framing and reinforcement bars as panels above, but without maintenance sweep space.
23. **Perimeter Angle:** 1-1/2" x 1-1/2" x 14 gauge galvanized angle; punched for bolting to top of wire mesh wall panels and to sides of wire mesh ceiling panels.
24. **Wall Supports:** 1-1/2" x 1-1/2" x 14 gauge galvanized angle; punched for securing to existing walls and supporting wire ceiling panels.
25. **Intermediate Beam Support:** 2" x 4" x 14 gauge rectangular tube for use in spans exceeding 12' in any two directions.
26. **Intermediate Beam Support Post:** 2" x 2" – 14 gauge square tube with 4" x 7-1/2" x 3/16" base plate drilled to accept 3/8" diameter anchors; a 4" x 7-1/2" x 1/4" plate at top for support of Beams.