

1.1 WOVEN WIRE MESH PARTITIONS AND ENCLOSURES

- A. Configuration:
1. Refer to drawings for layout.
 2. Partitions shall be framed to fit with 2 inches (51 mm) nominal clearance around pipes, ducts and structure. Cap bar installation and access into floor sockets shall require top rail to be a minimum of 3 inches (76 mm) clear of overhead structure.
 3. Beveled panels shall be provided to accommodate sloping floors and ceilings.
 4. Panel module shall be a maximum of 5 feet (1.5 m) wide by 12 feet (3.7 m) high. Configurations shall be made of combinations of panel modules, stacked if greater than 12 feet (3.7 m) high. Provide stiffener posts for panels over 12 feet (3.7 m) high.
 5. Provide anchors and fasteners appropriate for substrate material.
- B. Sure-Guard Severe-Duty Partitions as manufactured by The GS Company.
1. Material: Steel.
 2. Material: Pre-galvanized steel.
 3. Material: Aluminum.
 4. Material: Stainless steel.
 5. Wire: 4 gage (5.7 mm).
 6. Wire: 6 gage (4.9 mm).
 7. Wire: 8 gage (4.2 mm).
 8. Wire: 10 gage (3.4 mm).
 9. Mesh: 2 inches (51 mm).
 10. Pattern: diamond woven wire mesh clinched to frames.
 11. Frames: 1-1/2 inches by 3/4 inch by 11 gage (38 mm by 19 mm by 3 mm) channels with slotted holes for 3/8 inch (9.5 mm) bolts at 18 inches (457 mm) O.C.
 12. Reinforcing Members: (2) 1-1/4 inch by 5/8 inch by 13 gage (32 mm by 16 mm by 2.3 mm) "C" channels riveted toe to toe thru mesh and welded to vertical frames.
 13. Cap Rail: 3 inches (76 mm) 4.1# channel with 1/4 inch (6 mm) "U" bolts 2 feet-4 inches (711 mm) O.C.
 14. Corner and Intersecting Posts: 1-1/2 inches by 1-1/2 inches by 1/8 inch (38 mm by 38 mm by 3 mm) angle for 90 degree corners, 1-1/2 inches (38 mm) pipe posts for other than 90 degrees, 2 inches by 2 inches (51 mm by 51 mm) tubes for 3 and 4 way intersections.
 15. Flatbar Posts: For all partitions.
 - a. 1/4 inch by 2 inches (6 mm by 51 mm) for partitions up to 16 feet-0 inch (4.9 m) high.
 - b. 5/16 inch by 2-1/2 inches (8 mm by 64 mm) for partitions 16 feet-0 inch (4.9 m) to 18 feet-0 inch (5.5 m) high.
 - c. 5/16 inch by 3 inches (8 mm by 76 mm) for partitions 18 feet-0 inch (5.5 m) to 20 feet-0 inch (6.1 m) high.
 16. Line Post: Free standing partitions have 3 inches (76 mm) by 4.1 # channel line posts at 20 feet-0 inch (6.1 m) maximum O.C., with 5 inches by 18 inches by 5/16 inch (127 mm by 457 mm by 8 mm) base plates.
 17. Hinged Door Frames: 1-1/2 inches by 3/4 inch by 11 gage (38 mm by 19 mm by 3 mm) channel with 1/8 inch by 1-1/2 inches (3 mm by 38 mm) flat bar band on four sides, and as slam bar welded to lock side. Each door to have 1-1/2 pairs butt hinges welded to both door and transom bar, and mortise type cylinder lock. Outside by key, inside by recessed turn
 18. Sliding Door Frames: 1-1/2 inches by 3/4 inch by 11 gage (38 mm by 19 mm by 3 mm) channel with 1/8 inch by 1-1/2 inches (3 mm by 38 mm) flat bar

band all around. Each door to have two 4-wheel roller bearing hangers, box track, bottom guide channel, and mortise cylinder lock. Outside by key, inside by recessed turn.

19. Service Window Panels: Sizes of hinged or sliding panels with or without shelving as indicated on drawing.
20. Sheet Metal Bases Wainscot: Partition panels shall receive 16 gage (1.5 mm) sheet in lower portion as wainscot.
21. Finish: Dipped coat of black enamel.
22. Finish: Dipped red primer.
23. Finish: Electrostatically sprayed enamel in color as selected by Architect from manufacturer's color charts.
24. Finish: Galvanized finish.
25. Finish: Heat-fused polyester powder coating in color as selected by Architect from manufacturer's standard grey or black.
26. Finish: Heat-fused polyester powder coating in color as selected by Architect from manufacturer's optional color charts.