

SPACEGUARD PRODUCTS™

Series SG2000

A. Fabrication:

1. Wire Mesh: #10 W&M Gauge .130 inch (3.3 mm), triple crimped bright basic wire 1-1/2 inches (38 mm) diamond mesh pattern.
2. Wire Mesh: #6 W&M Gauge .192 inch (4.9 mm), welded wire steel mesh, 1-1/2 inches (38 mm) by 2-1/2 inches (64 mm) rectangular pattern.
3. Horizontal Frames: 1-1/4 inches (32 mm) by 1-1/4 inches (32 mm) by 1/8 inch (3 mm) hot rolled angle, with 1-1/4 inches (32 mm) by 7/16 inch (11 mm) slotted holes punched approximately 24 inches (610 mm) O.C.
4. Vertical Frames: 1-1/4 inches (32 mm) by 1-1/4 inches (32 mm) by 1/8 inch (3 mm) hot rolled angle notched at both ends. Two 1-1/4 inches (32 mm) by 7/16 inch (11 mm) slotted holes punched approximately 24 inches (610 mm) O.C.
5. Stiffener Bar: 1/4 inch (6 mm) by 3/4 inch (19 mm) thick hot rolled flat stock, center located and tack welded to wire mesh and horizontal frames on panels 1 foot (305 mm) to 5 feet (1524 mm) long. Panels 6 feet (1829 mm) to 10 feet (3048 m) long shall have two stiffeners bars.
6. Panels: Consisting of the above horizontal and vertical members welded at all corners, with mesh securely welded to frame. Stiffener bars, when required, shall be added at the engineered locations.
7. Flex Panels: Two 8 inches (203 mm) -16 gauge .0598 inch (1.5 mm) sheet steel punched and formed.
8. Hinge Doors: Constructed of the same materials as panels. Complete with all necessary mounting and locking hardware to install and operate.
 - a. Hinges: Three 3 inches (76 mm) by 3 inches (76 mm) butt hinges, attached to adjacent post and door frame.
 - b. Padlock Arrangement: 1-1/2 inches (38 mm) lug; secured to adjacent lock side post and protrudes through slotted hole in door frame.
 - c. Cylinder Lock: Mortise type with keyed different cylinder operated by key outside and recessed knob inside.
9. Slide Doors: Constructed of the same materials as panels. Complete with all necessary mounting and locking hardware to install and operate.
 - a. Hardware: Two 2-wheel trolleys rolling in an enclosed track, 45 inches (1143 mm) bottom door guide, and heavy-duty 30 inches (762 mm) lock receiver.
 - b. Padlock Arrangement: 4 inches (102 mm) by 6 inches (152 mm) cover plate with 1-1/2 inches (38 mm) lug securing into lock opening.
 - c. Cylinder Lock: Mortise type with keyed different cylinder operated by key outside and recessed knob inside.
10. Service Window (slide-up type): 24 inches (610 mm) wide by 21-1/2 inches (546 mm) high opening with 22 inches (559 mm) wide by 18 inches (457 mm) deep, #6 W&M Gauge .192 inch (4.9 mm) shelf centered in opening. Secured to base with four 1-1/4 inches (32 mm) by 12 inches (305 mm) long brackets secured by 1/4 inch (6 mm) by 1/2 inch (13 mm) hex head bolts and nuts. Window panel constructed of the same materials as standard panels and has spring bolt latches welded at bottom corners for securing in the open position.
11. Service Window (fold-down type): 24 inches (610 mm) wide by 15 inches (381 mm) high opening with a 23-1/2 inches (597 mm) by 15-3/4 inches (400 mm) by #6 gauge .192 inch (4.9 mm), deep shelf. The sheet metal shelf is hinged at the bottom with a padlock hasp and can be folded up for padlock security when not in use.
12. Corner post: 2 inches (51 mm) by 2 inches (51 mm) by 14 gauge .0747 (1.897 mm) square

- tube with 2 inches (51 mm) by 7 inches (178 mm) (178 mm) by 1/4 inch (6 mm) steel flat base plate punched to accept two 3/8 inch (9.5 mm) diameter anchors. A series of 5/16 inch (8 mm) diameter holes are drilled on all four sides to accept all hardware for panels and doors.
13. Adjustable Corner post: Four 3 inches (76 mm) by 3 inches (76 mm) butt hinges welded to two 2 inches (51 mm) by 2 inches (51 mm) square tubes with 2 inches (51 mm) by 4-1/2 inches (114 mm) base plates punched to accept 3/8 inch (9.5 mm) diameter anchors. Can adjust to angles other than 90 degrees.
 14. Line/Run post: 2 inches (51 mm) by 2 inches (51 mm) by 14 gauge .0747 inch (1.897 mm) square tube with 2 inches (51 mm) by 7 inches (178 mm) by 1/4 inch (6 mm) steel flat base plate punched to accept two 3/8 inch (9.5 mm) diameter anchors. A series of 3/8 inch (9.5 mm) diameter holes are drilled through two sides to accept all hardware for panels.
 15. Door post: 2 inches (51 mm) by 2 inches (51 mm) by 14 gauge .0747 inch (1.897 mm) square tube with 2 inches (51 mm) by 7 inches (178 mm) by 1/4 inch (6 mm) steel flat base plate punched to accept two 3/8 inch (9.5 mm) diameter anchors. A series of 3/8 inch (9.5 mm) diameter holes are drilled on all four sides to accept all hardware for panels and doors.
 16. 3-Way Post: 2 inches (51 mm) by 2 inches (51 mm) by 14 gauge .0747 inch (1.897 mm) square tube with 2 inches (51 mm) by 7 inches (178 mm) by 1/4 inch (6 mm) steel flat base plate punched to accept two 3/8 inch (9.5 mm) diameter anchors. A series of 3/8 inch (9.5 mm) diameter holes are drilled on all four sides to accept all hardware for panels.
 17. Sheet Metal Base - 16 gauge .0598 inch (1.519 mm) hot-rolled sheet metal.
 18. Hardware: 5/16 inch (8 mm) flanged hex head bolts and nuts for all panel-to-panel, panel/door to post connections. Field bracing, floor, and wall anchors by erector.
 19. Finish: Two stage Phosphate wash with a standard 2 mil (.05 mm) Polyester Powder Coat finish (Gray is standard)
 20. Also available in: Black, Green, Blue, Yellow, Red, or a custom color.
- B. Wire Mesh Ceilings:
1. Ceiling Panels: Fabricated from same mesh, framing and reinforcement bars as panels above.
 2. Perimeter Angle: 1-1/2 inches (38 mm) by 1-1/2 inches (38 mm) by 14 gauge .0747 inch (1.897 mm) galvanized angle; punched for bolting to top of wire mesh wall panels and to sides of wire mesh ceiling panels.
 3. Wall Supports: 1-1/2 inches (38 mm) by 1-1/2 inches (38 mm) by 14 gauge .0747 inch (1.897 mm) galvanized angle, punched for securing to existing walls and supporting wire ceiling panels.
 4. Intermediate Beam Support: 2 inches (51 mm) by 4 inches (102 mm) by 14 gauge .0747 inch (1.897 mm) rectangular tube for use in spans exceeding 10 feet (3048 mm) in any two directions.
 5. Intermediate Beam Support Post: 2 inches (51 mm) by 2 inches (51 mm) by 14 gauge .0747 inch (1.897 mm) square tube with 4 inches (102 mm) by 7 inches (178 mm) (178 mm) by 3/16 inch (5 mm) base plate (will accept 3/8 inch (9.5 mm) diameter anchors) 4 inches (102 mm) by 7 inches (178 mm) plate at top for support of beams.