

# Material Specifications

## SG2000

Manufactured by SpaceGuard Products

1. **Wire Mesh:** #10 W&M Gauge (.130), welded steel mesh, 2" x 2" square pattern. Optional #10 W&M Gauge (.130), triple crimped bright basic wire 1-1/2" diamond mesh pattern. Optional #6 W&M Gauge (.192), welded wire steel mesh, 1-1/2" x 2" rectangular pattern. Optional 3/4"-#9 expanded metal.
2. **Horizontal Frames:** 1-1/4" x 1-1/4" x 1/8" hot rolled angle, with 1-1/4" x 7/16" slotted holes punched approximately 24" O.C.
3. **Vertical Frames:** 1-1/4" x 1-1/4" x 1/8" hot rolled angle notched at both ends. Two 1-1/4" x 7/16" slotted holes punched approximately 24" O.C.
4. **Stiffener bar** (*not applicable for panels constructed of 6ga welded wire*): 1/4" x 3/4" thick hot rolled flat stock, center located and tack welded to wire mesh and horizontal frames on panels 1' to 5' long. Panels 6' to 10' long will have two stiffeners bars.
5. **Panels:** Consisting of the above horizontal and vertical members welded at all corners, with mesh securely welded to frame. Stiffener bar/bars, when required, are then added at the appropriate location/locations.
6. **Flex Panels:** Two, 8", 16-gauge sheet steel punched and formed.
7. **Hinge Doors:** Constructed of the same materials as panels. Complete with all necessary mounting hardware to install and operate. Prepared to accept standard mortise cylinder lock or padlock hasp.
  - Hinges: Three 3" x 3" butt hinges, attached to adjacent post and door frame.
  - Padlock Arrangement: 1-1/2" lug; secured to adjacent lock side post and protrudes through slotted hole in door frame.
  - Cylinder Lock: Mortise type with keyed different cylinder operated by key outside and recessed knob inside.
8. **Slide Doors:** Constructed of the same materials as panels. Complete with all necessary mounting hardware to install and operate. Prepared to accept standard mortise cylinder lock or padlock hasp.
  - Hardware: Two 2-wheel trolleys rolling in an enclosed track, 45" bottom door guide, 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.
9. **Service Window (slide-up type):** 24" wide x 21-1/2" high opening with a 23-1/4" wide x 12" deep, 6 gauge shelf centered in opening. Secured to base with four 1-1/4" x 12" long brackets secured by 1/4" x 1/2" 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.
10. **Service Window (fold-down type):** 24" wide x 15" high opening with a 23-1/2" x 15-3/4" x 6 gauge, 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.
11. **Corner post:** 2" x 2" x 14 gauge square tube with a 2" x 7" x 1/4" steel flat base plate punched to accept two 3/8" diameter anchors. A series of 5/16" diameter holes are drilled on all four sides to accept all hardware for panels and doors. Posts greater than standard 10' 3-1/4" height use a 4" x 7-1/2" x 1/4" steel flat base plate punched to accept four 3/8" diameter anchors.
12. **Adjustable Corner post:** Four 3" x 3" butt hinges welded to two 2" x 2" square tubes with 2" x 4-1/2" base plates punched to accept 3/8" diameter anchors. Can adjust to angles other than 90°.

13. **Line/Run post:** 2" x 2" x 14 gauge square tube with a 2" x 7" x 1/4" steel flat base plate punched to accept two 3/8" diameter anchors. A series of 3/8" diameter holes are drilled through two sides to accept all hardware for panels. Posts greater than standard 10' 3-1/4" height use a 4" x 7-1/2" x 1/4" steel flat base plate punched to accept four 3/8" diameter anchors.
14. **Door post:** 2" x 2" x 14 gauge square tube with a 2" x 7" x 1/4" steel flat base plate punched to accept two 3/8" diameter anchors. A series of 3/8" diameter holes are drilled on all four sides to accept all hardware for panels and doors. Posts greater than standard 10' 3-1/4" height use a 4" x 7-1/2" x 1/4" steel flat base plate punched to accept four 3/8" diameter anchors.
15. **Tee Post:** 2" x 2" x 14 gauge square tube with a 2" x 7" x 1/4" steel flat base plate punched to accept two 3/8" diameter anchors. A series of 3/8" diameter holes are drilled on all four sides to accept all hardware for panels. Posts greater than standard 10' 3-1/4" height use a 4" x 7-1/2" x 1/4" steel flat base plate punched to accept four 3/8" diameter anchors.
16. **Accessories:**
  - Sheet Metal Base: 16-gauge hot-rolled sheet metal.
17. **Hardware:** 5/16" flanged hex head bolts and nuts for all panel-to-panel, panel/door to post connections. Field bracing, floor, and wall anchors by erector.
18. **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

19. **Ceiling Panels:** Fabricated from same mesh, framing and reinforcement bars as panels above.
20. **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.
21. **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.
22. **Intermediate Beam Support:** 2" x 4" x 14 gauge rectangular tube for use in spans exceeding 10' in any two directions.
23. **Intermediate Beam Support Post:** 2" x 2" x 14 gauge square tube with a 4" x 7-1/2" x 3/16" base plate (*will accept 3/8" diameter anchors*); a 4" x 7-1/2" plate at top for support of Beams.