

# Architectural Specifications

## (Section 10605)

### Series 2180

1. **Wire Mesh:** #6 W&M Gauge (.192), bright basic wire, resistance welded into a 2-1/2" x 1-1/2" rectangular pattern.
2. **Horizontal Frames:** 1" x 1" – 16 gauge structural tubing with 1-1/4" x 3/8" slotted holes 12" O.C.
3. **Vertical Frames:** 1" x 1" – 16 gauge structural tubing with 1-1/4" x 3/8" slotted holes approximately 24" O.C.
4. **Panels:** Consisting of the above horizontal and vertical members welded at all intersections, and welded wire mesh securely welded to frame.
5. **Adjustable Panels:** 6 gauge welded wire mesh of above specification with 1-1/4" x 1/8" flat stock (same hole pattern as vertical frames) welded along sides.
6. **Hinge Doors:** Constructed of the same materials as panels - **Pre-Hung.** Complete with all necessary mounting hardware to install and operate.
  - Hinges: Three 2-1/2" x 2-1/2" butt hinges.
  - Jams: One 1-1/4" x 1-1/4" angle with lock receiver attached and slotted holes for securing door frame.
  - Padlock Attachment: 1-1/2" lug secured to door frame and protrudes through slotted hole in door panel frame. A 4" x 6" cover plate to secure lock opening is also supplied.
  - Cylinder Lock: Mortise type with keyed different cylinder operated by key outside and recessed knob inside.
7. **Slide Doors:** Constructed of the same materials as panels, hung by 4-wheel trolleys rolling in an enclosed track. Complete with all necessary mounting hardware to install and operate.
  - Jams: Two 1" x 1" – 16 gauge structural tubing with slotted holes for securing to adjacent panels.
  - Header bar: One 1" x 1" - 16 gauge structural tube with an angle clip welded to each for securing to top of jams.
  - Hardware: Three track holder assemblies for supporting enclosed track; Two or Four 4-wheel trolleys rolling in the enclosed track; bottom door guide, and heavy 24" lock receiver.
  - Padlock Arrangement: 4" x 6" cover plate with 1-1/2" lug securing into lock opening
  - Cylinder Lock: Mortise type with keyed different cylinder operated by key outside and recessed knob inside.
8. **Service Window (slide-up type):** 24" wide x 21-1/2" high opening with a 24" wide x 12" deep, 12 gauge shelf centered in opening. Shelf is secured to opening with (3) 1-1/4" x 1/2" flat head screws & nuts. Window panel constructed of the same materials as standard panels.
9. **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 is use. (*Padlock not supplied*)
10. **Corner post:** 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.
11. **Adjustable Corner:** Four 2-1/2" x 2-1/2" butt hinges and two altered single base shoes used for connecting two panels at an angle other than 90°.

12. **Line/Stiffener post:** 2" x 2" - 14 gauge square tube, 4" x 7-1/2" x 3/16" base plate punched with four 7/16" diameter holes to accept 3/8" diameter anchors.
13. **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 punched with 1-1/4" x 3/8" slotted holes to match up with standard panels and doors.
14. **Top Capping Bar:**
15. **Base Shoes:** 2-1/2" x 2-1/2" x 1/4" angle; welded, punched, drilled and tapped to accept two 3/8" diameter anchors for securing to finished floor; and a 3/8" x 3/8" set screw for leveling adjustment.
16. **Hardware:** 5/16" x 3" flanged hex head bolt and nut for all panel-to-panel and panel to door connections. 5/16" x 1-1/2" Carriage bolt and nut for panel/door to corner post connection. (Field bracing, floor and wall anchors by erector)
17. **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

18. **Ceiling Panels:** Fabricated from same mesh and framing bars as panels above.
19. **Perimeter Angle:** 1-1/4" x 1-1/4" x 1/8" hot rolled angle; punched for bolting to top of wire mesh panels and to sides of wire mesh ceiling panels.
20. **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.
21. **Intermediate Bridge Support:** 3" x 5.7# Steel I-Beam for use in spans exceeding 10' in any two directions.
22. **Intermediate Bridge Support Post:** 2" x 2" – 14 gauge square tube with 4" x 7-1/2" x 3/16" base plate (will accept 3/8" diameter anchors); a 2" x 7" x 1/4" plate at top for support of I-Beams.