Architectural Specifications
(Section 10605)
FordLogan

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 and vertical members mortise and tenon at corners with diamond mesh securely clinched to frames. Center reinforcement bars are then attached.

6. **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.

7. **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.

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: 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.

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, 20" 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. 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 trolleys rolling in an enclosed track, 45" bottom door guide for each door, and heavy- duty 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.

11. **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. 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 is 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:** 1-1/2" x 1/2" – 14 gauge roll formed channel with holes included for through bolting to panel's horizontal frame.

18. **Base Shoes:** 2" high Die Cast Aluminum with two holes to accept ¼" diameter anchor for securing to floor; and with setscrew for leveling adjustment.

19. **Accessories:**

    - 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. *(Anchors not supplied)*
    - Sheet Metal Base: 16 gauge Hot Rolled Sheet Metal.
    - Wall Clips: 3/4" wide x 1/8" thick cold rolled steel; formed and punched for securing to existing wall.

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.

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 bridge support:** 3" x 5.7# Steel I-Beam for use in spans exceeding 12' in any two directions.

26. **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.