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PARTITION SPECIFICATIONS

PART 1 GENERAL

1.1 SCOPE

This specification is intended as a quick reference of general information related to a pre-engineered enclosure system consisting of panels, posts, doors and hardware.

1.2 APPROVED MANUFACTURER

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1.3 QUALITY ASSURANCE

The partition manufacturer shall be an established firm with a minimum ten years of experience in the design and fabrication of pre-engineered steel-framed enclosure systems. The installation contractor shall be a firm experienced in installing partition enclosure systems.

The supplier shall warrant the partition materials to be free from manufacturing defects for a period of one year. Warranty does not cover damage caused by conditions beyond the control of the supplier.

1.4 PROJECT APPROVAL

The client or owner must submit signed, approved drawings prior to the fabrication of the partition. The client or owner shall be responsible for all quantities and dimensions, including the verification of and coordination with field conditions. The client or owner shall verify all critical dimensions and conditions of existing construction that relate to the wire mesh partition project prior to manufacturing. Cogan must be notified, in writing, of any elements found to be inconsistent or not compatible with the details indicated by approval drawings.

PART 2 ARCHITECTURAL & MATERIAL SPECIFICATIONS

2.1 OVERVIEW

The partitions shall be pre-engineered enclosure system consisting of welded, steel-framed panels, posts, doors and hardware.

2.2 PANEL FRAME

Panel frames shall be made of 1¼"x1¼"x12gauge structural angle. Corners shall be notched and seam welded.

2.3 PANEL FABRIC

Fabric shall be made of one of the following materials:

- 10 gauge (.134"), 2"x2" welded wire mesh. The fabric shall be welded to the frame at every 6-inches (most economical design);
- 10 gauge (.134"), 2"x1" welded wire mesh. The fabric shall be welded to the frame at every 6-inches;
- 10 gauge (.134"), 1"x1" welded wire mesh. The fabric shall be welded to the frame at every 6-inches;
- Flattened expanded metal 10GA with 1" x 2" diamond shaped openings. The fabric shall be welded to the frame at every 6-inches
- 16 gauge corrugated, solid sheet metal welded wire mesh. The fabric shall be welded to the frame at every 6-inches
- 3/16-inch thick clear Lexan panels. The fabric shall be bolted to the frame at every 16-inches.

Panels, whose size is equal to or exceeds 8-feet, shall be reinforced with two ½-inch solid round bar, dividing the panel in 3 equal sections. (Panels with 3/16-inch thick clear Lexan do not require reinforcement bars and shall be manufactured without reinforcement bars).

2.4 POSTS

Standard posts shall be fabricated with 2"x2" seam-welded square steel tube. Each post shall have a welded base plate, 6"x6"x1/4", with four oblong holes for easy adjustment. Post spacing shall be either 8' or 10' center.

2.5 DOORS (SWING)

Swing doors shall be made of the same material and in the same method as the panels. In addition, one 1¼"x1/8" flat steel bar welded across the center and two 1/2" round diagonal stay bars shall be included on the door panel. Doors shall be equipped with a set of padlocking hasps, two door stoppers and one pair of ½" steel pin hinges.

2.6 DOORS (SLIDING)

Sliding doors shall be made of the same material and in the same method as the panels. In addition, sliding door panels shall be reinforced with a 1½" square tube, bolted to the front and leading edges. Sliding doors shall be equipped with guide track with three support hangers, a door guide, a receiver and one set of hasps for padlocking.



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2.7 ROOFS

Roof panels shall be made of the same material and in the same method as the panels and are designed for security purposes only. Roof panels are not designed to resist loads.

2.8 FINISH

All components shall be powder-coated Cogan Grey.

2.9 HARDWARE

All necessary assembly fasteners shall be provided except floor and wall anchors.



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PART 3 INSTALLATION STANDARDS

3.1 WORK AREA

The area where the partition enclosure is installed shall have a concrete slab, troweled smooth and level. Working areas shall be inspected and cleaned of all debris to ensure that adequate access is provided to the installers. The client or owner shall advise the installation company of any embedded floor obstacles that may interfere with the installation of floor anchors.

3.2 INSTALLATION

Erection of the partition shall be in accordance with the specifications and instructions contained in the erection manual and installation drawings. The installation plan is based on the specifications, dimensions and approval of the dealer and/or client. All drawings must be reviewed carefully prior to installation.

3.3 ON-SITE MODIFICATIONS

Any modifications required during installation (on-site) of any Cogan products shall be proposed to and approved by a product engineer employed by Cogan. Cogan shall not guarantee any products modified without the consent from a product engineer employed by Cogan.



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