SECTION 10510 (MASTER FORMAT 1995)

SECTION 10 51 43 (MASTER FORMAT 2004)

EXPANDED METAL ENCLOSURES AND PARTITIONS

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Panelized expanded metal enclosure and partitions

1.2 RELATED SECTIONS

***NOTE TO SPECIFIED: Add any relevant sections required for this project.***

1.3 SUBMITTALS

A. Product Data: Manufacturer’s standard printed product data.

B. Shop Drawings for approval before manufacturing.

1. Plan view with interior and exterior dimensions

2. Elevations

3. Connection and base details

C. Installation Drawings

1. All information on approved Shop Drawings

2. Material list

3. Panel and support layout

4. Connection and anchoring details

PART 2 - PRODUCTS

2.1 MANUFACTURER

A. Kelly Klosure Systems

220 North ‘H’ Street Fremont, NE 68025

800-228-7230 [inquire@kellyklosure.com](mailto:inquire@kellyklosure.com)

B. Pre-approved Equal

2.2 EXPANDED METAL ENCLOSURES AND PARTITIONS

A. Expanded Metal Panels

1. Perimeter frame to be minimum of 1.1/2” x 1.1/2” x 1/8” A36 hot rolled steel angle

2. Cross-members to be minimum of ¾” x ¾” x 1/8” steel angle spaced at 4’-0” center to center max

3. Expanded metal to be ¾-13 gauge flattened steel expanded metal with maximum diamond shaped openings of ¾” x 1.5/8”

4. Perimeter frame to have factory punched connection holes matching adjacent panels or support posts

B. Support Posts

1. Support posts to be minimum of 2” A513 square tube steel or double 2” x 2” x 1/8” A529-50 hot rolled steel angles

2. Base plates to be 6” x 6” x 3/16” steel with factory punched anchor holes

3. Support posts to have factory punched or drilled holes to match adjacent expanded metal panels or braces

4. Where required, support posts should include pairs of support braces with leveling bolts to stabilize structures where anchoring is insufficient or not possible

C. Doors

1. Door panels to be sized such that they are interchangeable with standard expanded metal panels

2. Door panels to be factory hung in a perimeter frame such that no addition field work is required to install a working door

3. Doors to have a hasp lock able to be locked with a standard pad lock

4. Door panels to have ½” diameter schedule 40 steel pipe cross members to reduce twisting or racking of the door when in use

5. Door panel and perimeter frame to use similar materials as standard expanded metal panels

6. Door panel perimeter frames to have factory punched connection holes matching adjacent panels of support posts

D. Finish

1. All steel supports and panels to be ground smooth at the edges to prevent danger to installers and end users

2. All material to be washed and pre-treated with a hot iron-phosphate treatment

3. All material to receive one coat high performance water reducible enamel.

***NOTE TO SPECIFIER: Choose one of the following for finish color.***

4. Finish to be manufacturer’s standard blue.

4. Finish to be manufacturer’s standard safety yellow.

4. Finish to be manufacturer’s standard medium gray.

E. Connection Hardware

***NOTE TO SPECIFIER: Choose one of the following for connection hardware.***

A. To the extent possible, use manufacturer’s standard locking key fasteners for faster installation without need for hand or power tools.

A. Use 3/8” diameter minimum connection bolts for higher security applications.

PART 3 – EXECUTION

3.1 INSTALLATION

A. Install in accordance with manufacturer’s instructions.

B. Install for a level and square finished installation with smoothly operating doors and stable secure walls by anchoring securely and shimming as necessary to account for site conditions.

END OF SECTION