

DIVISION 10 SPECIALTIES

1 **SECTION 10175**
2 **SOLID POLYMER (HDPE) PARTITIONS**

3 **PART 1 - GENERAL**

4 **1.1 SUBMITTALS**

- 5 A. Shop Drawings.
6 B. Samples:
7 1. Full range of solid plastic polymer resin colors for selection.

8 **1.2 PRODUCT DELIVERY, STORAGE AND HANDLING**

- 9 A. Deliver anchorage items in time to allow installation.

10 **1.3 JOB CONDITIONS**

- 11 A. Verify dimensions by field measurements before fabrication, wherever possible without delaying
12 project.

13 **PART 2 - PRODUCTS**

14 **2.1 MATERIALS - GENERAL**

- 15 A. Acceptable manufacturers:
16 1. Solid Polymer (HDPE) partitions:
17 a. Base:
18 1) Sanymetal Products (Crane).
19 b. Optional:
20 1) Accurate Partitions.
21 2) Ampco.
22 3) Bradley-Mills.
23 4) Comtec Industries / Capital Partitions.
24 5) General Partitions Manufacturing Corp.
25 6) Global Steel Products.
26 7) Metpar Corporation.
27 8) Rockville Partitions Corporation.
28 9) Santana.
29 10) Weis-Robart Partitions.
30 2. Other manufacturers desiring approval comply with Document 00440.

31 **2.2 MOUNTING CONFIGURATION**

- 32 A. Wall mounted and overhead supported.

33 **2.3 PANEL MATERIALS**

- 34 A. General:
35 1. High-density polyethylene (HDPE) with homogenous color throughout.
36 2. Seamless, non-absorbent, non-laminated panels, with and 1/4 IN eased edges.
37 3. Metal heat sink kerfed into the bottom edges of all panels, doors and screens.
38 4. Provide materials selected for their surface flatness and smoothness.
39 5. Exposed surfaces that exhibit pitting, seam marks, roller marks, stains, discoloration, or
40 other surface imperfections on finished units not acceptable.
41 6. Minimum Component Thicknesses: 1 IN.

- 1 7. Panel Height: As indicated on Drawings.
- 2 8. Depth: As indicated on Drawings.
- 3 9. Color:
- 4 a. To be selected by Architect from manufacturers full line.
- 5 B. Pilasters:
- 6 1. General:
- 7 a. Galvanized steel or stainless steel anchorage devices.
- 8 2. Overhead supported:
- 9 a. Secure pilaster to partition screen and overhead support.
- 10 C. Partition Screen:
- 11 1. Wall-hung (cantilever) and overhead supported:
- 12 a. Size: As indicated on Drawings.
- 13 b. Continuous aluminum, double-flanged bracket wall bracket with stainless steel
- 14 fasteners.

15 **2.4 FABRICATION**

- 16 A. Pre-assemble units in shop to greatest extent possible to minimize any field cutting and assembly
- 17 of units.
- 18 B. Fabricate system in accordance with manufacturer's specifications.
- 19 C. Pressure laminate face sheets to core material.
- 20 1. Seal edges with continuous locking strip.
- 21 2. Miter, weld and grind smooth al corners, or cap with manufacturer's standard stainless steel
- 22 edge and corner fittings.
- 23 D. Provide concealed reinforcement for installation of hardware, fittings, brackets, and required
- 24 accessories.
- 25 E. Exposed metal and hardware finishes:
- 26 1. Aluminum:
- 27 a. AA-M12C22A31 clear satin anodized; or

28 **PART 3 - EXECUTION**

29 **3.1 INSPECTION**

- 30 A. Verify suitability of substrate to accept installation.
- 31 B. Correct unsatisfactory conditions.
- 32 C. Installation constitutes acceptance of responsibility for performance.

33 **3.2 INSTALLATION**

- 34 A. Install in a rigid, straight, plumb and level manner, to indicated lay out.
- 35 B. Clearances:
- 36 1. Between pilasters and panels: Maximum 1/2 IN.
- 37 2. Between panels and walls: Maximum 1 IN.
- 38 3. Between floor and bottom of panels: 12 IN.
- 39 C. Partition Screens:
- 40 1. Attach with heavy duty concealed anchoring devices.
- 41 2. Provide wall channels, wall plates and studs as recommended by manufacturer to suit wall
- 42 construction.
- 43 3. Provide ceiling attachment devices where applicable.
- 44 4. Set units in accordance with manufacturer's instructions to support units and resist impact.

1 2003/06/05

2 **SECTION 10200**
3 **LOUVERS AND VENTS**

4 **PART 1 - GENERAL**

5 **1.1 SUMMARY**

6 A. Section Includes:

7 1. Louvers.

8 B. Related Sections include but are not necessarily limited to:

9 1. Division 0 - Bidding Requirements, Contract Forms, and Conditions of the Contract.

10 2. Division 1 - General Requirements.

11 3. Section 07600 - Flashing and Sheet Metal.

12 4. Section 07900 - Joint Sealants.

13 **1.2 SUBMITTALS**

14 A. Shop Drawings:

15 1. See Section 01340.

16 2. Drawing showing location of each louver.

17 3. Product technical data including:

18 a. Acknowledgement that products submitted meet requirements referenced.

19 b. Manufacturer's installation instructions.

20 **PART 2 - PRODUCTS**

21 **2.1 ACCEPTABLE MANUFACTURERS**

22 A. Subject to compliance with the Contract Documents, the following manufacturers are
23 acceptable:

24 1. Louvers:

25 a. Corrim.

26 b. Kemproof.

27 c. Warminster.

28 B. Submit requests for substitution in accordance with Specification Section 01630.

29 **2.2 MANUFACTURED UNITS**

30 A. Louvers:

31 1. 5-3/4 IN thick.

32 2. Drainable with blades at 45 degrees.

33 3. Continuous blade appearance.

34 4. Maximum pressure drop 0.02 IN of water.

35 5. Similar to Corrim F.R.P. Fixed Wall Louver.

36 6. Bird screen:

37 a. Fiberglass.

38 7. Pultruded F.R.P. components.

39 8. Vertical center mullion post for louvers with overall length greater than 4'-0 IN.

40 9. Provide fiberglass damper, corrosion-resistant actuator, and other accessories as noted on
41 Contract Drawings.

42 B. Anchors, Fasteners, Reinforcing: Plastic or stainless steel.

- 1 C. Finish:
2 1. Color: to be selected from manufacturer's standard colors.
3 D. Size: Refer to Mechanical Drawings for size(s), and refer to Architectural Drawings for louver
4 shapes.

5 **PART 3 - EXECUTION**

6 **3.1 INSTALLATION**

- 7 A. Install products in accordance with manufacturer's instructions.
8 B. Install anchoring and bracing accessories as required.
9 C. Seal around perimeter on exterior and interior. See Section 07900.
10 D. Install 0.040 IN aluminum flashing at sill to match louver. See Section 07600.

11 **END OF SECTION**

1 00L29

2

SECTION 10400

3

IDENTIFICATION, STENCILING, AND TAGGING SYSTEMS

4 PART 1 - GENERAL

5 1.1 SUMMARY

6

A. Section Includes:

7

1. Identification, stenciling, and tagging of piping, equipment, and valves, pumps, ductwork, process equipment and similar items and including hazard and safety signs.

8

9

2. Does not include electrical identification, stenciling, and tagging. See Division 16.

10

B. Related Sections include but are not necessarily limited to:

11

1. Division 0 - Bidding Requirements, Contract Forms, and Conditions of the Contract.

12

2. Division 1 - General Requirements.

13

3. Section 09905 - Painting and Protective Coatings.

14

4. Section 10444 - Signage

15

5. Section 16010 - Electrical: Basic Requirements.

16

1.2 QUALITY ASSURANCE

17

A. Referenced Standards:

18

1. American National Standards Institute (ANSI):

19

a. A13.1, Scheme for Identification of Piping Systems.

20

2. National Fire Protection Association (NFPA).

21

1.3 SUBMITTALS

22

A. Shop Drawings:

23

1. See Section 01340.

24

2. Product technical data including:

25

a. Acknowledgement that products submitted meet requirements of standards referenced.

26

b. Identification register listing all items to be identified, type of identification system to be used, lettering, location and color.

27

c. Catalog information for all tagging systems.

28

29

d. Updated, complete, identification register with nonconflicting numerical assignments submitted prior to project acceptance.

30

31

PART 2 - PRODUCTS

32

2.1 MANUFACTURED UNITS

33

A. Metal Tags (Type A):

34

1. Approved manufacturers:

35

a. W H Brady Co., Catalog S-10, #23210 (1-1/2 IN Brass), #23211 (2 IN brass), #B-906 (2 IN aluminum).

36

b. National Band and Tag Co., Catalog 862, Style 81 or Style 93.

37

c. Carlton Industries, Inc., #8813 or #8814 (aluminum), #BT-220 or #BT-230 (brass).

38

2. Material: Brass or aluminum, optional, except where specified.

39

3. Size:

40

a. 1-1/2 IN DIA for one line of text, 2 IN DIA for two lines.

41

b. Brass: 18 Gage.

42

c. Aluminum: 0.04 IN.

43

4. Legend: Stamped and filled.

44

- 1 B. Fiberglass Reinforced Plastic Tags (Type B):
- 2 1. Approved manufacturers and catalog numbers:
- 3 a. W H Brady Co., Catalog S-10, #B-120.
- 4 b. Approved Equal.
- 5 2. Material: Fiberglass reinforced plastic.
- 6 3. Size: Approximately 2 x 2 IN.
- 7 4. Legend: Preprinted and permanently embedded.
- 8 C. Laminated Plastic Tags (Type C):
- 9 1. Approved manufacturers and catalog numbers:
- 10 a. W H Brady Co., Catalog S-10, #B-911.
- 11 b. Approved Equal.
- 12 2. Material: Polyester laminate.
- 13 3. Size: Approximately 2 x 2 IN.
- 14 4. Legend: Preprinted and permanently embedded.
- 15 D. Fiberglass Reinforced Plastic Signs (Type D):
- 16 1. Approved manufacturers and catalog numbers:
- 17 a. W H Brady Co., Catalog S-10, #B-120.
- 18 b. Approved Equal.
- 19 2. Material: Fiberglass reinforced plastic.
- 20 3. Size:
- 21 a. Surface: As scheduled.
- 22 b. Thickness: 0.10 IN.
- 23 4. Fabrication:
- 24 a. Rounded corners.
- 25 b. Drilled holes in corners with grommets.
- 26 5. Legend: Preprinted and permanently embedded.
- 27 E. Phenolic Name Plates (Type E):
- 28 1. Approved manufacturers and catalog numbers:
- 29 a. W H Brady Co., Catalog S-10, #B-1.
- 30 2. Materials: Phenolic.
- 31 3. Size:
- 32 a. Surface: As required for text.
- 33 b. Thickness: 1/16 IN.
- 34 4. Fabrication:
- 35 a. Three layers laminated.
- 36 b. Legend engraved through top lamination into center lamination.
- 37 c. Drilled holes with grommets for mounting.
- 38 F. Pressure Sensitive Vinyl Cloth Markers (Type F):
- 39 1. Approved manufacturers and catalog numbers:
- 40 a. W H Brady Co., Catalog S-10, #B-946.
- 41 2. Material: Self-sticking vinyl.
- 42 3. Size:
- 43 a. Surface: As required by text.
- 44 G. Warning Tape (Type G):
- 45 1. Approved manufacturers and catalog numbers:
- 46 a. W H Brady Co., Catalog S-10, #91296.
- 47 2. Material: Polyethylene.
- 48 3. Thickness: 3.5 mils.
- 49 4. Tensile strength: 1750 psi.
- 50 5. Size: 6 IN wide (minimum).
- 51 6. Legend: Preprinted and permanently imbedded.
- 52 a. Message continuous printed.

1 H. Stenciling System (Type H):

2 1. Material:

- 3 a. Exterior type stenciling enamel.
4 b. Black or white for best contrast.
5 c. Either brushing grade or pressurized spray can form and grade.

6 I. Substitutions:

- 7 1. Submit requests for substitutions in accordance with Specification Section 01640.

8 J. Acceptable Manufacturers and Catalog Numbers:

- 9 1. Products listed above by manufacturer and catalog number are approved, subject to
10 compliance with Contract Documents.

11 **2.2 ACCESSORIES**

12 A. Fasteners:

- 13 1. Bead chain: #6 brass or stainless steel (BC).
14 2. Plastic strap: Nylon, urethane or polypropylene (PS).
15 3. Screws: Self-tapping, stainless (screws).
16 4. Grommets: Stainless steel.
17 5. Anchor for brass tag: Brass screw sized to fit tag/holes. 1-1/2 long.
18 6. Adhesive, solvent activated.

19 **2.3 EXTRA MATERIALS**

- 20 A. Furnish minimum of 5 percent extra stock of each identification material required, including tags
21 (not less than 3).
22 B. Where stenciled markers are provided, clean and retain stencils after completion and include in
23 extra stock, along with required stock of paints and applicators.

24 **PART 3 - EXECUTION**

25 **3.1 INSTALLATION**

- 26 A. Install tagging, stenciling, and identification items at required locations.
27 B. Provide arrows and markers on piping and ducts.
28 1. At 20 FT maximum centers along continuous lines.
29 2. At changes in direction (route) or obstructions.
30 3. At valves, risers, "T" joints, machinery or equipment.
31 4. Where pipes and ducts pass through floor, wall, ceiling, cladding assemblies and like
32 obstruction.
33 a. Provide markers on both sides of obstruction.
34 C. Position markers on both sides of pipe or duct with arrow markers pointing in flow direction. If
35 flow is in both directions use double headed arrow markers.
36 D. Apply tapes and stenciling in uniform manner parallel to piping and ducts.
37 E. Attach tags to equipment with sufficient surface or body area with solvent activated adhesive
38 applied to back of each tag.
39 F. Attach tags with 1/8 IN round or flat head screws to equipment without sufficient surface or
40 body area, or porous surfaces. Where attachment with screws should not or cannot penetrate
41 substrate, attach with plastic strap.
42 G. Single items of equipment enclosed in a housing or compartment to be tagged on outside of
43 housing. Several items of equipment mounted in housing to be individually tagged inside the
44 compartment.

1 H. Anchor for Brass Tag Attached to Concrete: Embed anchor screws in concrete. Mount tag flush
 2 on face of concrete. Project tag face until concrete cures.

3 **3.2 SCHEDULE**

4 A. Identify, tag, or stencil the items shown in the following schedule:
 5

ITEM	ID TYPE	FASTENER
1. Yard valves, buried, with valve box and concrete pad. a. Fastener: Use tag with anchor. Embed in concrete pad. b. Legend: valve designation as indicated on Contract Drawings	A Brass only	Embedded
2. Valves, water control gates, telescoping valves, and flap valves : a. Exterior: b. Interior: c. Legend: Item designation as indicated on Contract Drawings.	A or B A or B	BC or PS BC or PS
3. Pumps, pump motors, blowers, air compressors, and other rotating equipment: a. Legend: item designation as indicated on Contract Drawings, e.g., Lake Pumps P-76-A	A or B	Screws or Adhesive
4. Instrumentation, e.g., flow control valves, primary elements, etc.: a. Legend: Item designation as indicated on Contract Documents.	A or B	BC or PS
5. Process equipment tanks and basins, e.g., membrane process tank, etc: a. Legend: Item designation indicated on Contract Documents. b. Size: 7 x 10. c. Letters: 1 IN high black letters on white background	D	Screws
6. Piping: a. Legend: Item designation as indicated on Contract Documents. b. In accordance with ANSI 13.1 c. Provide with flow arrows and markers.	F or H	N/A
7. Miscellaneous tanks, e.g., break tanks, chemical tanks, air receivers, etc.: a. Legend: Item designation as indicated on Contract Documents. b. Size: As required by legend. c. Letters: 1 IN high black letters on white background.	F or H	N/A
8. HVAC Equipment: a. If possible: Alternate, with approval of shop drawing by Engineer. b. Legend: Item description as indicated on Contract Drawings.	D or H A or B	Screws BC or PS

- | | | |
|---|-----------------|--|
| <ul style="list-style-type: none"> c. Size: As required by legend. d. Letters: 1 IN high black letters on white background. | F or H | N/A |
| <p>9. Ductwork:</p> <ul style="list-style-type: none"> a. Legend: Item designation as indicated on Contract Drawings. b. Size: As required by legend. c. Letters: 1 IN high black letters on white background. d. Provide flow arrows and markers. | E | Screws |
| <p>10. Enclosures for mechanical, and I&C equipment, e.g. control panels, PLC's, etc., that have a name and number as shown on the Contract Drawings.</p> <ul style="list-style-type: none"> a. Legend: Name and number of enclosure as indicated on the contract Drawings. b. Size: As required by legend c. Letters: 1 IN black letters on white background. | E | Screws or Adhesive |
| <p>11. Panel-mounted controllers:</p> <ul style="list-style-type: none"> a. Controller faceplate: <ul style="list-style-type: none"> 1) Legend: Instrument tag number; process variable; variable units. 2) Size: As required by legend. 3) Letters: ¼ IN high letters. White letters on black background. b. Controller case (visible from panel back): <ul style="list-style-type: none"> 1) Legend: Instrument tag number. 2) Size: As required by legend. 3) Letters: ¼ IN high letters. White letters on black background. | E | Screws |
| <p>12. Nameplate for elements or components within or surface mounted on enclosures for mechanical, and I&C equipment including switches, instruments, relays, contactors, etc:</p> <ul style="list-style-type: none"> a. Legend: Name and number of each element or component as indicated on the Contract Drawings. b. Size: As required by legend. c. Letters: ½ IN high letters for element or component names and 1/4 IN high letters for element or component number. White letters on black background. | G | N/A |
| <p>13. Trenches with direct buried or conduit encased telephone lines:</p> <ul style="list-style-type: none"> a. Legend: CAUTION CAUTION
BURIED TELEPHONE b. Letters: 1-1/4 IN minimum. | CAUTION
LINE | (1 st line).
(2 nd line). |

- c. Interval: Continuous.
- d. Color: Orange with black letters.
- 14. Buried potable water piping:
 - a. Legend: CAUTION CAUTION
BURIED POTABLE WATER LINE G CAUTION WATER LINE N/A (1st line). (2nd line).
 - b. Letters: 1-1/4 IN minimum.
 - c. Interval: Continuous.
 - d. Color: Blue with black letters.
- 15. Buried (non-potable) water piping:
 - a. Legend: CAUTION CAUTION
BURIED NON-POTABLE WATER LINE G CAUTION WATER LINE N/A (1st line). (2nd line).
 - b. Letters: 1-1/4 IN minimum.
 - c. Interval: Continuous.
 - d. Color: Green with black letters.
- 16. Trenches with direct buried or conduit encased computer or SCADA system communication lines:
 - a. Legend: CAUTION CAUTION
BURIED FIBER OPTIC LINE G CAUTION LINE N/A (1st line). (2nd line).
 - b. Letters: 1-1/4 IN minimum.
 - c. Interval: Continuous.
 - d. Color: Orange with black letters.
- 17. Buried chemical feed piping, e.g. chlorine solution, ferric sulfate solution, etc.:
 - a. Legend: CAUTION CAUTION
BURIED CHEMICAL LINE G CAUTION LINE N/A (1st line). (2nd line).
 - b. Letters: 1-1/4 IN minimum.
 - c. Interval: Continuous.
 - d. Color: Yellow with black letters.
- 18. Hazard and Safety Signs: Screws
 - a. To be installed where indicated in the schedule below:
 - b. Type of sign:
 - 1) Danger signs;
 - 2) Caution signs.
 - 3) Safety instructional signs.
 - c. Size:
 - 1) As required by legend.
 - 2) Minimum size, 7 x 10 IN, or
 - 3) As indicated in the schedule below:
 - d. Letters:
 - 1) 2 IN for words "DANGER" or "CAUTION" or other words placed in the panel.
 - 2) 3/4 IN for other text except as indicated in the schedule below.
 - e. Danger signs:
 - 1) White background.
 - 2) White letters for word "DANGER" placed on standard red oval with black panel.
 - 3) Additional letters black.

- 4) Additional text: As indicated on schedule below.
 - f. Caution signs:
 - 1) Yellow background.
 - 2) Yellow letters for word "CAUTION" placed on black panel.
 - 3) Additional letters black.
 - 4) Additional text: As indicated in schedule below.
 - g. Safety instruction signs:
 - 1) White background.
 - 2) White letters for words "SAFETY FIRST" placed on green panel.
 - 3) Additional letters black.
 - 4) Additional text: As indicated in schedule below.
19. Hazardous Material Signs:
- a. To be installed where indicated in schedule below.
 - b. Types of Signs:
 - 1) Hazardous material signs.
 - 2) NFPA placards.
 - c. Sizes:
 - 1) Hazardous material signs: As required by legend, minimum 10 x 7 IN
 - 2) NFPA placards: 11 IN SQUARE
 - d. Letters:
 - 1) Hazardous material signs: ½ IN
 - 2) NFPA placards: 4 IN
 - e. Hazardous materials signs
 - 1) White background
 - 2) Red letters.
 - 3) Text information from department of transportation guidebook for hazardous material incidents.
 - 4) Fiberglass, WH Brady B-120.
 - 5) Similar to WH Brady Catalog # 48854.
 - f. NFPA placards:
 - 1) Diamond syle.
 - 2) Color and design meeting NFPA Hazardous Material Signal Code.
 - 3) Fiberglass, WH Brady B-120.
 - 4) WH Brady Catalog 50055.
20. Right to Know Center
- a. Red plexiglass board with yellow lettering.
 - b. Yellow PVC coated wire binder holder.

- c. Empty 300 page capacity MSDS binder.
- d. Grainger/Prinzing Model 2010.

1 **3.3 SCHEDULE OF HAZARD AND SAFETY SIGNS**
2

TYPE AND SIZE	VENDOR CATALOG ITEM NUMBER	LEGEND	LOCATION
C 10 x 14	B-74377	THIS MACHINE STARTS BY REMOTE CONTROL	Near air compressors, raw water pumps, and blowers.
HM 7 x 10	48854 (Similar)	Text from Department of Transportation guidebook for hazardous material incidents.	At storage and feed areas for sodium hypochlorite, ferric sulfate, citric acid, sodium bisulfite, sodium hydroxide.
NFPA 11 IN SQUARE	50055	Stenciled in accordance with NFPA Hazardous Material Signal Code	At storage and feed areas for sodium hypochlorite, ferric sulfate, citric acid, sodium bisulfite, sodium hydroxide.
C 7 x 10	69407	CAUTION NOT POTABLE WATER DO NOT DRINK	At all NPW hydrants and sample taps.
Right to know center		RIGHT TO KNOW COMPLIANCE CENTER	1) In membrane building near chemical feed rooms.

3
4 **LEGEND OF SCHEDULES IN ARTICLES 3.2 AND 3.3 ABOVE:**

- 5 1 Type of Sign and Size:
6 D = DANGER
7 C = CAUTION
8 SI = SAFETY INSTRUCTIONAL
9 HM = HAZARDOUS MATERIAL
10 NFPA = NFPA PLACARD
11 Size: height x width
12
- 13 2 Vendor Catalog Identification:
14 Brady Catalog S-10. Item = B-{}.
15
- 16 3 Orientation:
17
18 L = Landscape (Horizontal)
19 P = Portrait (Vertical)
20
- 21 4 Legend: Additional legend after word or words in panel, or complete legend where sign has no panel.
22
- 23 5 Location: Place on wall or column, except as noted. Normal height to center of sign: 6 FT.

24 **END OF SECTION**

1 2004/05/14

2 **SECTION 10444**
3 **SIGNAGE**

4 **PART 1 - GENERAL**

5 **1.1 SUMMARY**

- 6 A. Section Includes:
7 1. Room identification signs.
8 B. Related Sections include but are not necessarily limited to:
9 1. Division 0 - Bidding Requirements, Contract Forms, and Conditions of the Contract.
10 2. Division 1 - General Requirements.

11 **1.2 QUALITY ASSURANCE**

- 12 A. Referenced Standards:
13 1. Americans with Disabilities Act (ADA):
14 a. Accessibility Guidelines for Buildings and Facilities.
15 2. American National Standards Institute (ANSI):
16 a. A117.1, Buildings and Facilities - Providing Accessibility and Usability for Physically
17 Handicapped People.
18 3. ASTM International (ASTM):
19 a. B26, Standard Specification for Aluminum-Alloy Sand Castings.

20 **1.3 SUBMITTALS**

- 21 A. Shop Drawings:
22 1. See Section 01340.
23 2. Product technical data including:
24 a. Acknowledgement that products submitted meet requirements of standards referenced.
25 b. Manufacturer's installation instructions.
26 c. Color charts for Engineer's color selection.
27 3. Schedule of all signs indicating text and graphics.
28 4. Layout of room identification signage and installation detail.
29 5. Floor plan diagram indicating sign location.
30 B. Samples:
31 1. Sample of room identification signage, and signage finish.

32 **PART 2 - PRODUCTS**

33 **2.1 ACCEPTABLE MANUFACTURERS**

- 34 A. Subject to compliance with the Contract Documents, the following manufacturers are
35 acceptable:
36 1. Room identification signs:
37 a. Andco.
38 b. ASE - Architectural Signs and Engraving.
39 c. ASI Sign Systems.
40 d. Best Manufacturing Co.
41 e. Mohawk Engraving Co., Inc.
42 f. Nelson-Harkins.
43 g. Southwell.

- 1 h. The Supersine Co.
- 2 B. Submit requests for substitution in accordance with Specification Section 01630.

3 **2.2 MATERIALS**

- 4 A. Room Identification Signs:
- 5 1. Interior: Melamine plastic suitable for raised lettering and Braille.

6 **2.3 FABRICATION**

- 7 A. Room Identification Signs:
- 8 1. General:
- 9 a. Raised text, border and graphics.
- 10 1) Minimum 1/32 IN height.
- 11 2) Provide international graphic symbology for all toilet, locker and shower rooms or
- 12 combinations thereof, and for unisex toilet rooms and stairs.
- 13 3) Provide handicap symbol on all signs for rooms meeting handicap requirements.
- 14 b. Grade 2 Braille.
- 15 c. Finish: Eggshell.
- 16 1) Color: To be selected.
- 17 d. Text: Minimum 3/4 IN high.
- 18 e. Text as indicated in paragraph 3.2 SCHEDULE.
- 19 f. Exterior signs shall be rated for exterior use.
- 20 g. All signage shall comply with requirements of ADA.
- 21 h. Similar to ASI Sign Systems "ADA Ready Sign Systems".
- 22 i. Lettering style: Helvetica or Arial. (Room name in upper left portion of sign.) Room
- 23 number style to match room name style (numbers in lower right portion of sign – allow
- 24 for 3 digits, number(s) to be determined).
- 25 j. Sign size shall be nominal 4 inches high by 8 inches long (adjust height as required for
- 26 text quantity/length required).

27 **PART 3 - EXECUTION**

28 **3.1 INSTALLATION**

- 29 A. Room Identification Signs:
- 30 1. Install signs on walls adjacent to the latch side of doors using foam tape for interior signs
- 31 and stainless steel screws (minimum of two) for exterior signs.
- 32 a. Stainless steel screws shall be painted to match sign color.
- 33 2. Where no adjacent wall space is available, mount signs on nearest adjacent wall.
- 34 a. Mounting of signage shall be such that a person may approach to within 3 IN of sign
- 35 without encountering any protruding objects or standing in swing of door travel.
- 36 3. Mount 60 IN above finish floor to centerline of sign.

37 **3.2 SCHEDULE**

ROOM NAME	QUANTITY
MCC	1
Blower Room	1
Emergency Shower/Eyewash	1
(No Room Numbering)	

38

39

END OF SECTION

1 2004/05/04

2 **SECTION 10520**
3 **FIRE EXTINGUISHER**

4 **PART 1 - GENERAL**

5 **1.1 SUMMARY**

- 6 A. Section Includes:
7 1. Fire extinguishers.
- 8 B. Related Sections include but are not necessarily limited to:
9 1. Division 0 - Bidding Requirements, Contract Forms, and Conditions of the Contract.
10 2. Division 1 - General Requirements.

11 **1.2 QUALITY ASSURANCE**

- 12 A. Referenced Standards:
13 1. Americans with Disabilities Act (ADA).
14 2. National Fire Protection Association (NFPA):
15 a. 10, Standard on Portable Fire Extinguishers.
16 3. Underwriters Laboratories, Inc. (UL):
17 a. Building Materials Directory.
18 4. FM Global (FM):
19 a. Approval Guide - Latest Edition.
20 5. Warnock Hersey.
- 21 B. All cabinets must meet projection limitations per ADA.

22 **1.3 SUBMITTALS**

- 23 A. Shop Drawings:
24 1. See Section 01340.
25 2. Product technical data including:
26 a. Acknowledgement that products submitted meet requirements of standards referenced.
27 b. Manufacturer's installation instructions.
- 28 B. Operation and Maintenance Manuals:
29 1. See Section 01300.

30 **1.4 DELIVERY, STORAGE, AND HANDLING**

- 31 A. Deliver and install filled and charged extinguishers just prior to building occupancy.

32 **PART 2 - PRODUCTS**

33 **2.1 ACCEPTABLE MANUFACTURERS**

- 34 A. Subject to compliance with the Contract Documents, the following manufacturers are
35 acceptable:
36 1. Fire extinguishers:
37 a. Amerex Corporation.
38 b. Ansul Fire Protection.
39 c. Walter Kidde.
40 d. Potter - Roemer Inc.
41 2. Fire extinguisher signs:

1 1999/03/17

2 **SECTION 10950**
3 **MISCELLANEOUS SPECIALTIES**

4 **PART 1 - GENERAL**

5 **1.1 SUMMARY**

6 A. Section Includes:

- 7 1. Low-profile polyethylene pallet with top grating.
8 2. Ramp for low-profile polyethylene pallet.

9 B. Related Sections include but are not necessarily limited to:

- 10 1. Division 0 - Bidding Requirements, Contract Forms, and Conditions of the Contract.
11 2. Division 1 - General Requirements.

12 **1.2 SUBMITTALS**

13 A. Shop Drawings:

- 14 1. See Section 01340.
15 2. Product technical data including:
16 a. Acknowledgement that products submitted meet requirements of standards referenced.
17 b. Manufacturer's installation instructions.
18 c. Finish and color samples for Engineer's selection.

19 **PART 2 - PRODUCTS**

20 **2.1 ACCEPTABLE MANUFACTURERS**

21 A. Subject to compliance with the Contract Documents, the following manufacturers are
22 acceptable:

- 23 1. Low-profile polyethylene pallet with top grating - provide four (4) pallets.
24 a. Eight drum pallet - McMaster-Carr Catalog Number 14195T31 (Dimensions – 99 ¾ IN
25 Length, 53 IN Width, 6 ¼ IN Height)
26 b. Or approved equal.
27 2. Ramp for low-profile polyethylene pallet – provide one (1) ramp.
28 a. Ramp – McMaster-Carr Catalog Number 14195T32.
29 b. Or approved equal.

30 B. Submit requests for substitution in accordance with Specification Section 01640.

31 **PART 3 - EXECUTION**

32 **3.1 INSTALLATION**

33 A. Install products in accordance with manufacturer's instructions.

34 **END OF SECTION**

