

SECTION 10 14 00
SIGNAGE

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Furnish and install informational and directional signage.

1.2 RELATED SECTIONS

- A. Section 01 50 00 - TEMPORARY FACILITIES AND CONTROLS: Temporary project sign and safety signage.

1.3 SUBMITTALS

- A. Submit the following under provisions of Section 01 33 00 - SUBMITTAL PROCEDURES:
 - 1. Literature: Manufacturer's product data sheets, specifications, physical properties for each item furnished hereunder.
 - 2. Schedule: The Architect will prepare and issue a schedule for all identification devices to be furnished hereunder, including character types, and colors. After receipt of the Architect's schedule, prepare and submit shop drawings and verification schedule.
 - 3. Shop drawings:
 - a. Plan drawing showing location of each interior [and exterior] sign. Coordinate plan with schedule.
 - b. Elevation drawings showing full size elevations of each sign. Indicate for each sign: sign styles, lettering and locations, and overall dimensions.
 - c. Large scale design details of signs, showing attachment clips and brackets; and complete installation details.
 - 4. Selection samples:
 - a. Sample plastic chips indicating Manufacturer's full range of colors available for initial selection by Architect.
 - 5. Verification samples:
 - a. Full size sign in specified finish and typeface. Approved sample may be used in finished Project.

1.4 REGULATORY REQUIREMENTS

- A. Comply with all applicable federal, state and municipal codes, laws and regulations regarding signage for exits and handicapped barriers.

1.5 QUALITY ASSURANCE

- A. Sign fabricator specializing in the work of this Section with a minimum of 3 years experience.
- B. All signage must be ordered within two weeks of anticipated move-in and installation of signage must be completed within 45 days from the date of initial move-in.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Delivered packaged signs, labeled in name groups.
- B. Store all materials in an elevated dry location, protected by waterproof coverings. Store adhesive tape at ambient room temperature.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Basis-of-Design: Signage shall be based on Digital Realty Trust standards and furnished Desk and Door USA, Frankfort, IL, Contact Jay Burritter / (815) 806-8670 - www.deskanddoorusa.com/dlr.pdf.

2.2 SIGNAGE - GENERAL

- A. General: Provide sign copy to comply with the requirements indicated in the Drawings, for sizes, styles, spacing, content, positions, materials, finishes and colors of letters.
 - 1. All Signs shall conform to United States “Americans with Disabilities Act”.
 - 2. Final placing and sizing of lettering shall be done as part of the shop drawing approval process, at which time the manufacturer shall make recommendations for Architect's review. Lettering shall have stroke width to height ratio and width to height ratio in accordance with the Americans with Disabilities Act.
- B. Installation of all signs shall be done by vandal-proof method, fully described on the shop drawings.

2.3 SIGNAGE TYPES

- A. Suite Signage:
 - 1. A suite number sign is required for each datacenter within a facility.
 - 2. Each sign must be made of a brushed silver aluminum frame with a black phenolic polymer insert with satin silver text. The suite number must also be included on the sign in Braille.
 - 3. The logo and/or name of a suite occupant may only be included with their written permission.
 - 4. Each suite sign shall be 12-1/2 inches x 12 inches.
- B. Utility Room Signage:
 - 1. Utility room signs are required for each room whose function does not change including electrical, battery, and generator rooms. Each sign shall be of brushed silver aluminum frame with a black phenolic polymer insert inlaid with satin silver text.
 - 2. Each utility room sign shall be 7 inches x 11 inches.
- C. Building Signage/Cage Signs:
 - 1. Cage signs may be used by data center tenants to denote the location of their space.
 - 2. All cage signs must be ordered from the www.deskndoorusa.com/dlr.pdf website and meet the following criteria:
 - a. Size: 18 inches tall x 24 inches wide
 - b. Color: Silver plate
 - c. Text color: PMS 285 Blue
 - d. Text height: 3 inches-4 inches as designed.
 - 3. Tenant names may be displayed only with the written authorization of the tenant.
- D. At each alarmed exit door: Provide sign, 9 inches high by 18 inches wide, having 3 inch high raised letters identifying “EMERGENCY EXIT ONLY” followed by 1 inch high raised letters identifying “ALARM WILL SOUND”. Provide with Grade 2 Braille strip.

- E. At each corridor door to egress stairs: 8 by 10 inch size, having 3 inch high raised letters identifying “FIRE EXIT”, and 1 inch high letter identifying “KEEP DOOR CLOSED”. Provide with Grade 2 Braille strip.
- F. At data hall walls: cut vinyl lettering, white 12:” high Oracle 651 Gloss pressure sensitive vinyl calendared lettering in font: Gotham Medium. Refer to drawings for exact locations location.
- G. Electrical equipment labeling: Oracle 751 cast pressure sensitive vinyl lettering in font: Gotham. 2 mil thickness with outdoor durability of more than 5 years.

2.4 INTERIOR PLAQUE SIGNAGE FABRICATION

- A. Photopolymer plaque signage (general requirements): Identification signs with raised tactile graphics, text, and Grade 2 Braille. Signs shall consist of 1/32 inch thick synthetic light sensitive photo emulsion permanently bonded to a rigid phenolic substrate, aluminum or acrylic plaque.
 - 1. Raised lettering: Minimum above the surface of the sign 1/32”, and be in compliance with Americans with Disabilities Act.
 - a. Bond photopolymer permanently to sign plaque, with appropriate laminating film, as recommend by the photopolymer manufacturer.
 - 2. Screenprinting: All screen printing graphics, including raised areas of tactile plaques except Braille, shall be screen printed in a contrasting color so as to meet the color contrast requirements of Americans with Disabilities Act.
 - a. All non-tactile text shall be screen printed with catalyzed epoxy ink. Applied vinyl lettering and graphics is not acceptable.
 - b. Apply screen printing inks evenly without pinholes, scratches or orange-peeling.
 - 3. Graphics: All text, symbols and graphics shall be reproduced utilizing computer generated digital art. All screen printed graphics shall utilize photographically prepared screens and shall be printed in accordance with industry standards. Hand-cut screens are not acceptable.
 - a. All edges and corners and letter forms shall be true and clean. Letterforms, color areas, or lines with rounded positive or negative corners, built-up edges, bleeding, spattering, etc., shall not be accepted.
 - b. Prepare artwork from typesetters reproduction of the test specified, minimum 1200 dpi resolution, camera ready artwork. All camera ready artwork and typesetting shall be no less than 75 percent of actual finished size.

2.5 ACCESSORIES

- A. Adhesive tape: Double sided tape, permanent adhesive.

PART 3 - EXECUTION

3.1 INSTALLATION - GENERAL

- A. Locate sign units and accessories as required by the Owner’s standards, locations in accordance with the approved shop drawings. Use mounting methods of the type described and in compliance with manufacturer’s instructions.
- B. Install signs plumb, level and true to height indicated, with sign surfaces free from distortion or other defects in appearance.

- C. Shop fabricate signs where practical and deliver to site completely assembled. All joints of such fabricated work are completely smooth without apparent marks showing throughout the finish. All work “broken down” is erected so that all parts fit accurately with hairline joints, with all joints flush. Joints in lighted signs shall be light-proof.
- D. Wall and door mounted signs: Attach to surfaces as follows:
 - 1. Vinyl Tape Mounting: Use very high bond, double sided foam tape, of thickness indicated, to mount signs to smooth nonporous surface. Use construction adhesive in conjunction with foam tape.
 - 2. Silicone Adhesive Mounting: Use appropriate liquid silicone adhesive to attach sign units to irregular, porous, or vinyl-covered surfaces. Use double-sided vinyl tape to hold the sign in place until the adhesive has fully cured.

3.2 CLEANING

- A. Clean and polish installed signs.
- B. Remove all names, stamps and decals of sign manufacturers, and installers. No visible advertising of any kind is permitted.

END OF SECTION