

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Interior Tactile ADA and Wayfinding Signage

1. Room Identification
2. Stairs
3. Exit
4. Means of Egress
5. Restroom
6. Elevator
7. Informational Signage
8. Directory Signage

B. Exterior Tactile ADA and Wayfinding Signage

1. Room Identification
2. Stairs
3. Exit
4. Means of Egress
5. Restroom
6. Elevator
7. Informational Signage
8. Directory Signage

1.2 RELATED SECTIONS

- A. 06 20 00 - Finish Carpentry
- B. 09 70 00 - Wall Finishes
- C. 10 13 00 - Directories
- D. 10 14 14 - Exterior Signage
- E. 10 14 15 - Interior Signage
- F. 10 14 16 - Plaques

1.3 REFERENCES

- A. 2010 ADA Standards for Accessible Design.
- B. ICC/ANSI A117.1 Accessible and Usable Buildings and Facilities.
- C. FSC-STD-40-004 Chain of Custody Certification.
- D. USGBC LEED v4.1 Materials and Resources.
- E. ASTM International (ASTM)

1. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
2. Underwriters Laboratories (UL) UL 723 - Standard for Test for Surface Burning Characteristics of Building Materials.

1.4 SUBMITTALS

- A. Manufacturers must submit proof of 3 or more years of experience.
- B. Submit manufacturer's product data sheets with technical details for each sign type required.
- C. Submit shop drawings with sign design, content and construction details of each sign type.
- D. As needed, submit one full size sample sign of each type including method of attachment.
- E. At time of bid architect, GC or installer is to submit a sign schedule including:
 1. Content and design elements for each sign type.
 2. Quantity for each sign type.
 3. Desired installation method, based on wall surface, for each sign.
 4. Other project specific details as relevant.

1.5 SIGNAGE DESCRIPTION

- A. Signage shall meet all requirements of the 2010 ADA (Americans with Disabilities Act) Standards for Accessible Design Accessibility Guidelines and the ANSI 117.1 – 2017 for Buildings and Facilities.
- B. As applicable, signage shall meet state and/or local government accessibility and signage regulations that apply in project jurisdiction.

1.6 DELIVERY & HANDLING

- A. Inspect products at delivery to verify there are no defects or damage.
- B. Store products in manufacturer's original packaging until ready for installation.
- C. Handle products carefully to avoid damage.
- D. Install products in an interior climate-controlled environment, unless exterior rated.

1.7 WARRANTY

- A. Manufacturer must provide a minimum five-year warranty against defects in materials and workmanship.
- B. There is no warranty against defects due to improper installation, abuse, or failure to exercise normal maintenance.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Acceptable manufacturer: Green Dot Sign, Inc. 324 Stonebridge Blvd. Saint Paul, MN 55105
PHONE: (651)447-3046 EMAIL: Info@greendotsign.com WEB: www.greendotsign.com.

2.2 FABRICATION & MATERIAL COMPOSITION

A. Exterior Signage

1. Aluminum or bronze base in $\frac{1}{4}$ ", $\frac{3}{8}$ ", $\frac{1}{2}$ ", $\frac{3}{4}$ " and 1" thicknesses prior to machining.
2. Signage or plaques are machined from single piece metal.
3. Single color of automotive grade paint applied with clear top coat, raised letter and pictograms are natural metal color, braille is paint color.

B. Interior Signage

1. Tactile characters to be direct bonded to sign substrate using 3D printing, no machining allowed.
2. No adhesives allowed for tactile elements or pictograms.
3. Sign must be phthalate free to 1000ppm.
4. Decorative flat CMYK printing on sign substrate allowed.
5. Sign substrates may be FSC® 100% Aspen in 0.7" thickness.
6. Sign substrates may be birch plywood in $\frac{1}{8}$ ", $\frac{1}{4}$ ", $\frac{1}{2}$ ", $\frac{3}{4}$ " and 1" thick.
7. Heavy metal free sealing oil to be used for all wood base signage.
8. Other woods may be used upon consultation with manufacturer.
9. Stone, terra cotta, porcelain, leather, pressed boards, cement, concrete, fabric and other materials may be used upon consultation with manufacturer.

2.2 DESIGN

- A. Manufacturer product data sheets shall provide guidance on design size, thickness, edge profile and similar features.
- B. Sign content, including text, pictograms, symbols, and design elements per manufacturer drawings shall include.
 1. Content style & placement per drawings.
 2. Content size & color(s) per drawings, colors to be CMYK or PMS.
 3. Text case, spacing & font per drawings.

2.3 ADA COMPLIANCE

- A. Manufacturer shall review drawings to verify ADA compliance for sign content and design. Architect, GC or installer are responsible for ADA sign location compliance including if a sign is required or not.
 1. Characters shall meet all requirements including case, style, proportion, height, stroke thickness, character spacing, and line spacing components.
 2. Raised, tactile characters shall be at least 1/32 inch above sign base.
 3. When required braille shall be Grade 2 and placed directly below the last line of text.
 - a. For building projects in jurisdictions with additional braille requirements, braille standards of that jurisdiction shall be used.

4. Pictograms shall be used when required. International Symbols of Accessibility must be used to identify accessible facilities.
5. Text and pictogram symbols shall have high color contrast with their background.
 - a. Dark colored content with a light background or light colored content with a dark background.
6. Signs shall have a non-glare finish.
7. Tactile characters shall be raised 1/32" inches from sign face.
8. Required spacing for all content will be met.
9. Manufacturer will adjust design as needed to achieve ADA compliance or have express written consent for non-compliant details.

2.4 ACCESSORIES

- A. Products shall be prepared with 4 peg or foam tape installation methods as directed by architect, GC or installer.
 1. Contact manufacturer for installation methods others then 4 peg or foam tape.
 2. For all installation methods additionally use AFM Safecoat Multi Purpose Caulking Compound or equivalent low or no VOC compounds.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until confirming the wall surface is free and clear of obstacles and cleaned of any excess dirt, dust, grease or debris.
- B. Commencement of installation constitutes acceptance of conditions.

3.2 PREPARATION

- A. For installation to painted walls insure paint has fully cured per paint manufacturer directions.
- B. Verify mounting locations comply with ADA requirements.

3.3 INSTALLATION

- A. Mount signs level using manufacturer's standard foam tape or wood pegs. Installer assumes responsibility for suitable sign installation.
- B. Ensure an appropriate method of installation is used for each site's wall. Consider surface texture, curve, etc.

3.4 CLEANING

- A. Clean soiled sign surface as needed according to product data sheets.
- B. Protect signs from damage until acceptance by owner.
- C. Remove all packing materials and installation equipment.

END OF SECTION