

GUIDE SPECIFICATION

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SECTION 10440 3DFORM™ – 3D PRINTED SIGN APPLICATION

Welcome to ASI Guide Specification System! ASI has prepared this guide specification in printed and electronic media, as an aid to specifiers in preparing written construction documents for ADA compliant, unframed signs, for interior use, fabricated using a photopolymer bonded process. Edit entire master to suit project requirements. Modify or add items as necessary. Delete items which are not applicable. Words and sentences within brackets [] reflect a choice to be made regarding inclusion or exclusion of a particular item or statement. This section may include performance, proprietary and descriptive type specifications. Edit to avoid conflicting requirements. Editor notes to guide the specifier are included between lines of asterisks to assist in choices to be made. They should be removed before the section is printed for use.

This guide specification is based on the Construction Specifications Institute (CSI), Section Format standards. References to section names and numbers are based on MasterFormat 95. For specification assistance with specific product applications, please contact the offices above. Detailed technical information, including available sizes, may be obtained from ASI corporate website at www.asisignage.com

ASI reserves the right to modify these guide specifications at any time. Updates to this guide specification will be posted as they occur. ASI makes no expressed or implied warranties regarding content, errors, or omissions in the information presented. Specifications modified or rewritten in excess of supplier's standard processes, products, and procedures may void warranties and related remedies. Contact the offices above regarding modifications and addition of new text.

1 PART 1- GENERAL

1.1 SUMMARY

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.
- B. Section Includes:
Interior Unframed signs with 3D printed graphics and Grade II braille.

ASI has a complete line of signage products for the entire facility, including interior and exterior signs, dimensional letters, and directories. Many interior signs are updateable by the facility manager. Edit the Related Sections paragraph below to suit project requirements; delete sections that will not be used.

C. Related Sections:

ASI Sign Systems, Inc.
Master Guide Specifications

3D FORM – Printed Sign Application
10440 - 1

11-11-22

Section 10410	Non-Illuminated Interior Directories	Series 440
Section 10410	Non-Illuminated Interior Directories	Series 470
Section 10410	Non-Illuminated Interior Directories	Series 490
Section 10410	Illuminated Interior Directories	Series 530
Section 10410	Illuminated Interior Directories	Series 560
Section 10410	Illuminated Interior Directories	Series 570
Section 10420	Cast Plaques	Cast Plaques
Section 10440	Interior Signage - Photochemically-Etched ADA Signs	SignEtch I
Section 10440	Interior Signage - Photochemically-Etched Plaque Signs	SignEtch II
Section 10430	Dimensional Letters - Fabricated Metal	LF Series
Section 10430	Dimensional Letters - Cut Metal	LPS Series
Section 10430	Dimensional Letters - Cast Metal	LC Series
Section 10430	Dimensional Letters - Metal-Laminate Acrylic	LPL Series
Section 10430	Dimensional Letters - Molded Plastic	LM Series
Section 10430	Dimensional Letters - Precision Cut Acrylic	LPP Series
Section 10440	Dimensional Letters - Cut Vinyl	LTV Series
Section 10430	Specialty Signs – Simulated stone materials	Simulated Materials
Section 10430	Exterior Fiberglass Signs - 4 Sided Non Illuminated Monolith	Series 940S
Section 10430	Exterior Fiberglass Signs - 4 Sided Non Illuminated Pylon	Series 840R
Section 10430	Exterior Fiberglass Signs - 3 Sided Non Illuminated Monolith	Series 930S
Section 10430	Exterior Fiberglass Signs - 3 Sided Non Illuminated Pylon	Series 830R
Section 10430	Exterior Fiberglass Signs - 2 Sided Non-Illuminated Monolith	Series 920
Section 10430	Exterior Fiberglass Signs - 2 Sided Non Illuminated Pylon	Series 820
Section 10430	Exterior Fiberglass Signs - 2 Sided Non Illuminated Monolith	Series 920CF
Section 10430	Exterior Fiberglass Signs - 2 Sided Non Illuminated Pylon - Curved Face	Series 820CF
Section 10430	Exterior Fiberglass Signs - 4 Sided Illuminated Monolith	Series 1140S
Section 10430	Exterior Fiberglass Signs - 4 Sided Illuminated Pylon -	Series 1040R
Section 10430	Exterior Fiberglass Signs - 3 Sided Illuminated Monolith -	Series 1130S
Section 10430	Exterior Fiberglass Signs - 3 Sided Illuminated Pylon -	Series 1030R
Section 10430	Exterior Fiberglass Signs - 2 Sided Illuminated Monolith -	Series 1120
Section 10430	Exterior Fiberglass Signs - 2 Sided Illuminated Pylon -	Series 1020
Section 10430	Exterior Fiberglass Signs - 2 Sided Illuminated Pylon - Curved Face	Series 1020CF
Section 10430	Exterior Fiberglass Signs - Non-Illuminated Post and Panel	Series 820
Section 10430	Exterior Fiberglass Signs - Illuminated Post and Panel	Series 1020
Section 10430	Exterior Fiberglass Signs - Illuminated Wall Mounted	Series 1014
Section 10430	Exterior Fiberglass Signs - Non-Illuminated Wall Mounted	Series 814/825
Section 10430	Exterior Aluminum Signs - Post and Panel	2100 Series
Section 10430	Exterior Aluminum Signs - Post and Panel	2300 Series
Section 10430	Exterior Aluminum Signs - Post and Panel	2400 Series
Section 10430	Exterior Aluminum Signs - Post and Panel	2500 Series
Section 10430	Exterior Aluminum Signs - Curved Face	Pacific Exterior
Section 10430	Exterior Aluminum Signs - Interchangeable Components	Compass
Section 10430	Exterior Aluminum Signs - Flat Face	Messenger Exterior
Section 10440	Interior Unframed Signs	Series SP
Section 10440	Interior 4 Sided Framed Signs -	Series 320/390
Section 10440	Interior Unframed Signs - Plastic Laminate or Acrylic with Raster Braille	InTac
Section 10440	Interior Unframed Sign – Photopolymer Bonded to Acrylic	InTouch
Section 10440	Interior Unframed Signs - Photopolymer Bonded to Plastic Laminate/PETG	Intouch 2
Section 10440	Interior Door Signage - Thermoformed Resin - InForm	InForm
Section 10440	Interior Unframed Signs - Embossed (EmBoss)	EmBoss
Section 10420	Interior Updateable Signs	WS Series
Section 10440	Interior Updateable Signs -	Inhouse™ Classic Series 380
Section 10440	Interior Directional Signs -	PMA Series
Section 10440	Interior Overhead Signs -	PAP Series
Section 10440	Interior Modular Interchangeable Signs - Infinity	Infinity
Section 10440	Interior Modular Component Signs - Flat Face	Messenger Interior
Section 10440	Interior Modular Interchangeable Signs - Curved Face	Pacific Interior
Section 10440	Interior Unframed Signs - ECR Photopolymer-Based ADA Signage	Terra
Section 10440	Interior Aluminum Extrusion Sign with Changeable Insert	Horizon
Section 10440	Interior Aluminum Extrusion Sign with Changeable Insert	Venus
Section 10440	Interior Modular Interchangeable Signs Jigsaw	Jigsaw
Section 10440	Interior Modular Interchangeable Signs - Puzzle	Puzzle
Section 10440	Interior Aluminum Flat Face Folded Stainless-Steel Sign with paper Insert.	Folio
Section 10440	3D Printed Sign Application	3D Form

If specific sign quantities, sizes, layouts, and graphic processes are not scheduled, an allowance may be utilized to set aside a monetary amount sufficient for purchase, delivery, and installation of signage.

- D. [Allowances: Work of this section is affected by allowances. Refer to Division 1 for allowance amounts and requirements.]

1.2 QUALITY ASSURANCE

Include quality assurance requirements below which are consistent with the size and scope of the project and extent of work of this section. Only request qualification statements you intend to review, and which are necessary to establish qualifications of the product, manufacturer, or installer.

A. Single Source Responsibility: For each separate type of sign required, obtain signs from one source from a single manufacturer.

B. Design Criteria: The Drawings indicate size, profiles, dimensional requirements and graphics layout of signs and are based on the specific type and model indicated. Signs by other manufacturers may be considered provided that deviations in dimensions and profiles are minor and do not change the design concept as judged by the designer. The burden of proof of equality is on the proposer.

Include submittal requirements below which are consistent with the scope of the project and extent of work of this section. Only request submittals which are necessary for review of design intent.

1.3 SUBMITTALS

A. General: Submit the following in accordance with Conditions of the Contract and Division 1 Specification Sections.

B. Product Data: Include Manufacturer's construction details relative to materials, dimensions of individual components, profiles, and finishes for each type of sign required.

C. Color Chart: Manufacturer's standard chart.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Deliver components correctly packed to prevent damage.

B. Store in secure areas, out of weather and protected from work of other trades.

C. Handle IAW Manufacturer's instructions.

WARRANTY

A. Provide Manufacturer's standard one-year limited warranty covering manufacturing defects.

Manufacturer's Warranty: Submit manufacturer's standard warranty document executed by authorized company official.

1. Warranty Period: one (1) year from product ship date.

2 PRODUCTS

In 2.1A1 below, modify to reflect name, address, and phone/fax of local ASI Affiliate who is supplying to product or system to the project.

2.1 SIGNAGE SYSTEMS

A. Acceptable Manufacturers:

1. ASI Signage Innovations, 8181 Jetstar Drive, Suite 100, Irving, Texas 75063; (214) 352- 9140 telephone; (214) 352-9741 facsimile; (800) ASI-SPEC [274-7732]

2. Substitutions: Submit in accordance with Section 01600.

B. Acceptable Product: ASI 3D Form.

3D Form Series Signs offer a variety of standard and custom sizes, shapes, and appearance options; all using a UV process to create projected graphics. Revise below to suit project requirements. Note that Braille must be used to identify all permanent rooms and spaces.

2.2 SIGN MATERIALS

- A. Sign Face: Most Sign materials including acrylic and aluminum
- B. Lettering and/or Numerals: 3D Printed UV Cured Printing Process
- C. Grade 2 Braille: 3D Printed UV Cured Printing Process
- D. Fastener: VHB Tape - .030 inch-thick, double-face tape.

2.3 PLAQUE OPTIONS

- A. 3D Form may be applied to most of the manufacturers interior plaque options including Messenger Interior, Pacific Interior, Jigsaw, Puzzle, Folio, Infinity and custom applications on most material surfaces.
- B. Surface Graphics: 3D Sign graphics to be applied to sign face by Manufacturer's 3D process applied by high-speed printing formed with UV cured and UV resistant anti-fade inks. Printing comprises of adhesion primer, standard CMYK colors with White under. Multiple layers are printed and cured to form the 3D shape and entirely free of delamination. Face of sign graphics to be raised 1/32 inch min. from plaque first surface. Precisely formed, uniformly graphics to comply with relevant ADA regulations and the requirements indicated for size, style, spacing, content, position and colors. Text is formed with rounded edges to ADA compliance driven by a size reducing RIP (Raster Image Processing) process to control ink layer build up. Text printing including Braille are completed in a single run reducing production time.
- C. Braille: Using the #D Form process, Grade II Braille dots are formed with rounded edges to ADA compliance driven by a size reducing RIP (Raster Image Processing) process to control ink layer build up.

2.4 FINISHES

- 1. Colors: As selected from the Manufacturer's standards.
- 2. Surface Texture: Smooth or textured based on design specification.

In 3.0 below, select from one or more of the mounting options available.

3 INSTALLATION METHOD

- A. [System VT, vinyl tape.]
- B. [System SA, silicone adhesive.]
- C. [System MH, mounting holes for mechanical fasteners.]
- D. [System CSMH, counter sunk mechanical fasteners.]
- E. [System PM, partition mount, compatible with systems furniture panels.]

4 EXECUTION

4.1 INSTALLATION

- A. General: Locate letters and graphic elements where indicated, using installation methods IAW the manufacturer's instructions.
- B. Cleaning and Protection: Upon completion of the installation clean letter surfaces IAW the manufacturer's instructions. Protect units from damage until acceptance by the Owner.

5 SIGN SCHEDULE

Schedule: Refer to signage schedule and Drawings for sizes, locations, and layout of signage types, sign text copy, and graphics.

END OF SECTION