

# SPECIFICATION GUIDE

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## SECTION 10442 INTERIOR SIGNS - Flat Aluminum Extrusion Sign with Changeable Insert - VENUS SERIES

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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 interior signage using Flat face construction.

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 and shop drawings, may be obtained from your local ASI affiliate.

ASI Sign Systems, Inc. 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.  
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### 1 GENERAL

#### 1.1 SUMMARY

- A. Related Documents: Provisions established within the General and Supplementary Conditions of the Contract, Division 1 - General Requirements and the Drawings are collectively applicable to this Section.

B. Section Includes:

1. Interior sign of aluminum, Photopolymer, acrylic, and ABS plastic construction with flat face and changeable updateable inserts.

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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.

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A. Related Sections:

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	Specialty Signs –hardened enamel or porcelain materials	Porcelande™
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	Panorama
Section 10440	Interior Updateable Signs	Inhouse™ Classic Series 380
Section 10440	Interior Updateable Signs	Sail
Section 10440	Interior Room Control Signs	SL Series

Section 10440	Interior Directional Signs	PMA Series
Section 10440	Interior Overhead Signs	PAP Series
Section 14440	Interior Desk Signs	200 Series
Section 10440	Interior Modular Interchangeable Signs - Interior 20	Interior 20
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 Signs Digital Signage Systems	Helix
Section 10440	Interior Modular Interchangeable Signs - Radiance	Radiance
Section 10440	Interior Unframed Signs - ECR Photopolymer-Based ADA Signage	Terra
Section 10440	Interior Aluminum Curved Face Extrusion Sign with Changeable Insert	Horizon
Section 10440	Interior Aluminum Flat Face Extrusion Sign with Changeable Insert	Venus
Section 10440	Interior Modular Interchangeable Signs - Jigsaw	Jigsaw
Section 10440	Interior Modular Interchangeable Signs - Puzzle	Puzzle

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

1.2 QUALITY ASSURANCE

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 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.  
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- A. Supplier: Obtain all products in this section from a single supplier.
- B. Regulatory Requirements: Products shall meet requirements of the Americans With Disabilities Act Accessibility Guidelines (ADAAG) and local amendments and modifications.
- C. Installer: Installation shall be performed by installer specialized and experienced in work similar to that required for this project.

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 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.  
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1.3 SUBMITTALS

- A. Submit in accordance with requirements of Division 1.
- B. Product Data: Submit product data for specified products. Include material details for each sign specified.
- C. Shop Drawings: Submit shop drawings showing layout, profiles, and product components, including dimensions, anchorage, and accessories.
- D. Samples: Submit supplier's standard color chart for selection purposes and selected colors for verification purposes.
- E. Installation: Submit supplier's installation instructions.
- F. Closeout Submittals:
  - 1. Submit operation and maintenance data for installed products, including precautions against harmful cleaning materials and methods.
  - 2. Submit warranty documents specified herein.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Comply with requirements of Division 1.
  - 1. Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays.

2. Deliver products in manufacturer's original, unopened, undamaged containers with identification labels intact.
3. Store products protected from weather, temperature, and other harmful conditions as recommended by supplier.
4. Handle products in accordance with manufacturer's instructions.

1.5 WARRANTY

- A. Project Warranty: Comply with requirements of Division 1.
- B. Manufacturer's Warranty: Submit manufacturer's standard warranty document executed by authorized company official.
  1. Warranty Period: One (1) year from product installation date.

**2 PRODUCTS**

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

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2.1 SIGNAGE SYSTEMS

- A. Acceptable Manufacturers:
  1. ASI Signage Innovations, 8181 Jetstar Drive, Suite 100, Irving, TX 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: VENUS, flat face sign.

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In 2.1 C-O below, modify to include sign type & specifications based on intended use.

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C. VENUS Interior Wall-Mounts:

1. Flat face anodized aluminum frame size:
  - [VEN.001 5" h x 5.98" w]
  - [VEN.002 4" h x 5.98" w]
  - [VEN.003 6" h x 5.98" w]
  - [VEN.004 8.85" h x 5.98" w]
  - [VEN.005 5" h x 8.74" w]
  - [VEN.006 4" h x 8.74" w]
  - [VEN.007 6" h x 8.74" w]
  - [VEN.008 8.85" h x 8.74" w]
  - [VEN.011 5" h x 11.98" w]
2. Panel insert area size to correspond with the following:
  - [VEN.001 5" h x 5.75" w]
  - [VEN.002 4" h x 5.75" w]
  - [VEN.003 6" h x 5.75" w]
  - [VEN.004 8.85" h x 5.75" w]
  - [VEN.005 5" h x 8.5" w]
  - [VEN.006 4" h x 8.5" w]
  - [VEN.007 6" h x 8.5" w]
  - [VEN.008 8.85" h x 8.5" w]
  - [VEN.011 5" h x 11.77" w]
3. Accent Bar is optional. Specify [Add "A" to sign type # for Straight, Add "B" to sign type # for Angled] [Standard Anodized Color or Custom Color]
4. [Specify Clear Anodized Aluminum End Caps] [ASI Standard or Custom Color] [Black ABS Plastic End Caps or Grey ABS Plastic End Caps]
5. Inserts: ADA insert. Material: Provide tactile copy and Grade 2 Braille raised 1/32 inch minimum from plaque first surface by manufacturer's aluminum backed photopolymer

process. Sign face of single material (.040 aluminum backed photopolymer), tactile characters and Braille integral to photopolymer.

6. Frame panel color: [Clear Anodized Aluminum] [Specify color from manufacturer's standard color chart or custom color.] [Powder Coated Finish]
7. Insert panel color: [Specify color from manufacturer's standard color chart or custom color.]
8. Letter style[s] and letter size[s]: [Specify from manufacturer's standard letter styles chart.]
9. Text or graphic technique:
  - a) [Raised copy to be tipped, specify color from manufacturer's standard color chart]
10. Text schedule: [Verify correct capitalization.]
11. Wall Mounting: VHB tape and silicone or mechanically fasten with appropriate hardware.

D. VENUS Interior Wall-Mounted Signs with Paper Insert Area:

1. Flat face anodized aluminum frame size:  
[VEN.009 11.08" h x 8.74" w]  
[VEN.010 11.08" h x 15.70" w]
2. Panel insert area size to correspond with the following:  
[VEN.009 11.08" h x 8.5" w (for use with letter sized paper)]  
[VEN.009 11.08" h x 15.70" w (for use with tabloid sized paper) or (custom paper insert available)]
3. Accent Bar [Custom Size Only]
4. Frame panel color: [Clear Anodized Aluminum] [Specify color from manufacturer's standard color chart or custom color.] [Powder Coated Finish]
5. [Specify Clear Anodized Aluminum End Caps] [ASI Standard or Custom Color] [Black ABS Plastic End Caps or Grey ABS Plastic End Caps]
6. Inserts: Changeable paper insert; Acrylic cover lens with matte finish.
7. Wall Mounting: VHB tape and silicone or mechanically fasten with appropriate hardware.

E. VENUS Interior Freestanding Signs with Paper Insert Area:

1. Flat face anodized aluminum frame size:  
[VEN.009F 11.08" h x 8.74" w]  
[VEN.010F 11.08" h x 15.70" w]
2. Panel insert area size to correspond with the following:  
[VEN.009F 11.08" h x 8.5" w (for use with letter sized paper)]  
[VEN.009F 11.08" h x 15.70" w (for use with tabloid sized paper) or (custom paper insert available)]
3. Accent Bar [Custom Size Only]
4. Frame panel color: [Clear Anodized Aluminum] [Specify color from manufacturer's standard color chart or custom color.] [Powder Coated Finish]
5. [Specify Clear Anodized Aluminum End Caps] [ASI Standard or Custom Color] [Black ABS Plastic End Caps or Grey ABS Plastic End Caps]
6. Inserts: Changeable paper insert; Acrylic cover lens with matte finish.
7. Wall Mounting: VHB tape and silicone or mechanically fasten with appropriate hardware.

F. VENUS Interior "In Use" Slider w/ moveable slider message "In Use" and "Open":

1. Flat face anodized aluminum frame size:  
[VEN.013 5.90" h x 8.74" w]  
[VEN.014 6" h x 5.98" w]  
[VEN.015 6.90" h x 8.74" w]

- 2. [VEN.016 5" h x 11.97" w]  
Panel insert area size to correspond with the following:  
[VEN.013 5" h x 8.5" w]  
[VEN.014 5.12" h x 5.75" w]  
[VEN.015 6" h x 8.5" w]  
[VEN.016 4.12" h x 11.77" w]
- 3. Accent Bar is optional. Specify [Add "A" to sign type # for Straight, Add "B" to sign type # for Angled] [Standard Anodized Color or Custom Color] [VEN.016 Custom Size Only]
- 4. [Specify Clear Anodized Aluminum End Caps] [ASI Standard or Custom Color] [Black ABS Plastic End Caps or Grey ABS Plastic End Caps]
- 5. Frame panel color: [Clear Anodized Aluminum] [Specify color from manufacturer's standard color chart or custom color.] [Powder Coated Finish]
- 6. Inserts: ADA insert. Material: Provide tactile copy and Grade 2 Braille raised 1/32 inch minimum from plaque first surface by manufacturer's aluminum backed photopolymer process. Sign face of single material (.040 aluminum backed photopolymer), tactile characters and Braille integral to photopolymer.
- 7. Insert panel color: [Specify color from manufacturer's standard color chart or custom color.]
- 8. Letter style[s] and letter size[s]: [Specify from manufacturer's standard letter styles chart.]
- 9. Text or graphic technique:
  - a) [Raised copy to be tipped, specify color from manufacturer's standard color chart or custom color]
  - b) [LTV series vinyl letters]
- 10. Text schedule: [Verify correct capitalization.]
- 11. Wall Mounting: VHB tape and silicone or mechanically fasten with appropriate hardware.

G. VENUS Interior Paper Insert/ADA Combo:

- 1. Flat face anodized aluminum frame size:  
[VEN.017 6.5" h x 4" w]  
[VEN.018 6.5" h x 5.98" w]  
[VEN.019 8.85" h x 5.98" w]  
[VEN.020 7.65" h x 8.74" w]  
[VEN.021 8.85" h x 8.74" w]
- 2. Panel insert area size to correspond with the following (Lower):  
[VEN.017 3" h x 3.80" w]  
[VEN.018 3" h x 5.75" w]  
[VEN.019 3" h x 5.75" w]  
[VEN.020 4" h x 8.5" w]  
[VEN.021 4" h x 8.5" w]
- 3. Accent Bar is optional. Specify [Add "A" to sign type # for Straight, Add "B" to sign type # for Angled] [Standard Anodized Color or Custom Color] [VEN.016 Custom Size Only]
- 4. [Specify Clear Anodized Aluminum End Caps] [ASI Standard or Custom Color] [Black ABS Plastic End Caps or Grey ABS Plastic End Caps]
- 5. Frame panel color: [Clear Anodized Aluminum] [Specify color from manufacturer's standard color chart or custom color.] [Powder Coated Finish]
- 6. Inserts: a/ Acrylic cover lens with matte finish w/ paper insert and footer b/ ADA insert. Material: Provide tactile copy and Grade 2 Braille raised 1/32 inch minimum from plaque first surface by manufacturer's aluminum backed photopolymer process. Sign face footer of single material (.040 aluminum backed photopolymer), tactile characters and Braille integral to photopolymer. Adhesive-fixed characters are not acceptable.

7. ADA Footer Panel color: [Specify color from manufacturer's standard color chart or custom color.]
8. Changeable Paper Insert [Specify from manufacturer's standard paper.]
9. Letter style[s] and letter size[s]: [Specify from manufacturer's standard letter styles chart.]
10. Text or graphic technique:
  - a) [Raised copy to be tipped, specify color from manufacturer's standard color chart or custom color]
  - b) [Changeable Paper Insert]
11. Text schedule: [Verify correct capitalization.]
12. Wall Mounting: VHB tape and silicone or mechanically fasten with appropriate hardware.

H. VENUS Interior Nameplate Signs:

1. Flat face anodized aluminum single-sided desk nameplate frame:
  - [VEN.023 2.44" h x 6" w] two vertical straight accents
  - [VEN.024 2.44" h x 6" w] angled horizontal accent
  - [VEN.025 2.44" h x 5.98" w] no accent
  - [VEN.026 2.44" h x 5.98" w] straight horizontal accent
  - [VEN.027 2.44" h x 5.98" w] angled horizontal accent
2. Panel insert area size to correspond with the following:
  - [VEN.023 2.22" h x 5.20" w] two vertical straight accents
  - [VEN.024 2.22" h x 5.57" w] angled horizontal accent
  - [VEN.025 2.44" h x 5.75" w] no accent
  - [VEN.026 2.05" h x 5.75" w] straight horizontal accent
  - [VEN.027 1.8" h x 5.75" w] angled horizontal accent
3. Clear Anodized Aluminum End Caps [Standard and Custom Color Options Available]
4. Frame panel color: [Clear Anodized Aluminum] [Specify color from manufacturer's standard color chart or custom color.] [Powder Coated Finish]
5. Inserts: Changeable paper inserts; Acrylic cover lens with matte finish
6. Paperflex [Specify from manufacturer's standard paper.]
7. Letter style[s] and letter size[s]: [Specify from manufacturer's standard letter styles chart.]
8. Text or graphic technique:
  - a) [Printing on Changeable Paper Insert]
9. Text schedule: [Verify correct capitalization.]
10. Nameplate Sign Mounting:
  - a) [Pin mount]
  - b) [Formed aluminum desk sign fixture for free-standing; non-adhered placement]
  - c) ["C" clip mounting for desk cubicle]

I. VENUS Interior Double-Sided Overhead Directional:

1. Flat face anodized aluminum frame size:
  - [VEN.028 11.98" h x 24" w]
  - [VEN.029 11.98" h x 36" w]
  - [VEN.030 11.98" h x 48" w]
  - [VEN.031 15.94" h x 24" w]
  - [VEN.032 15.94" h x 36" w]
  - [VEN.033 15.94" h x 48" w]
2. Graphic insert size to correspond with the following:
  - [VEN.028 11.77" h x 24" w]
  - [VEN.029 11.77" h x 36" w]
  - [VEN.030 11.77" h x 48" w]

[VEN.031 15.70" h x 24" w]  
[VEN.032 15.70" h x 36" w]  
[VEN.033 15.70" h x 48" w]

3. Frame panel color: [Clear Anodized Aluminum] [Specify color from manufacturer's standard color chart or custom color.] [Powder Coated Finish]
4. Clear Anodized Aluminum End Caps [ASI Standard Colors or Custom Color Options Available]
5. Accent Bar [Custom Size Only]
6. Insert Panel color: [Specify color from manufacturer's standard color chart or custom color.]
7. Letter style[s] and letter size[s]: [Specify from manufacturer's standard letter styles chart.]
8. Text or graphic technique:
  - a) [LTV series vinyl letters]
  - b) [Digitally Printed Vinyl Graphics]
9. Text vinyl color[s]: [Specify from manufacturer's standard color chart.]
10. Text schedule: [Verify correct capitalization.]
11. Suspension Mounting: Internally attached aircraft cable with mounting hardware for ceiling suspension.

J. VENUS Interior Large Wall Mount:

1. Flat face anodized aluminum frame size:

[VEN.034 24" h x 15.90" w]  
[VEN.035 24" h x 23.78" w]
2. Graphic insert size to correspond with the following:

[VEN.034 24" h x 15.70" w]  
[VEN.035 24" h x 23.58" w]
3. Frame panel color: [Clear Anodized Aluminum] [Specify color from manufacturer's standard color chart or custom color.] [Powder Coated Finish]
4. Clear Anodized Aluminum End Caps [ASI Standard Color or Custom Color Options Available]
5. Accent Bar [Custom Size Only]
6. Insert Panel color: [Specify color from manufacturer's standard color chart or custom color.]
7. Letter style[s] and letter size[s]: [Specify from manufacturer's standard letter styles chart.]
8. Text or graphic technique:
  - a) [LTV series vinyl letters]
  - b) [Digitally Printed Vinyl Graphics]
9. Text vinyl color[s]: [Specify from manufacturer's standard color chart or custom color.]
10. Text schedule: [Verify correct capitalization.]
11. Mounting: Provide appropriate mechanical fastener.

K. VENUS Interior Wall-Mounted Directional Sign VEN.036:

1. Flat face anodized aluminum frame.

[VEN.036 25.5" h x 15.90" w]
2. Clear Anodized Aluminum Insert Panels. Size: Specify size [84 mm or 60 mm] [3.3" or 2.36"] (height) [397 mm] [15.70"] (width) [Standard or Custom Color Option Available]
3. Clear Anodized Aluminum End Caps [ASI Standard Colors or Custom Color Options Available]
4. Frame panel color: [Clear Anodized Aluminum] [Specify color from manufacturer's standard color chart or custom color.] [Powder Coated Finish]



5. Letter styles[s] and letter size[s]: [Specify from manufacturer's standard letter styles chart.]
6. Text schedule: [Verify correct capitalization.]
7. Text or graphic technique:
  - a) [LTV series vinyl letters]
  - b) [Silk Screened Graphics]
8. Wall Mounting: Concealed mechanical mounting brackets through aluminum frame

L. VENUS Interior Wall-Mounted Directional Sign VEN.037:

1. Flat face anodized aluminum frame:  
[VEN.037 27.63" h x 19.84" w]
2. Clear Anodized Aluminum Insert Panels. Size: Specify size [84 mm or 100 mm] [3.3" or 3.93"] (height) [497 mm] [19.64"] (width) [ASI Standard Color or Custom Color Option Available]
3. Clear Anodized Aluminum End Caps [ASI Standard Color or Custom Color Options Available]
4. Frame panel color: [Clear Anodized Aluminum] [Specify color from manufacturer's standard color chart or custom color.] [Powder Coated Finish]
5. Letter styles[s] and letter size[s]: [Specify from manufacturer's standard letter styles chart.]
6. Text schedule: [Verify correct capitalization.]
7. Text or graphic technique:
  - a) [LTV series vinyl letters]
  - b) [Silk Screened Graphics]
8. Wall Mounting: Concealed mechanical mounting brackets through aluminum frame.

M. VENUS Interior Wall-Mounted Directional Sign VEN.038:

1. Flat face anodized aluminum frame:  
[VEN.038 34.42" h x 23.78" w]
2. Clear Anodized Aluminum Insert Panels. Size: Specify size [119 mm or 68 mm] [4.7" or 2.7"] (height) [600 mm] [23.58"] (width) [ASI Standard Color or Custom Color Options Available]
3. Clear Anodized Aluminum End Caps [ASI Standard Color or Custom Color Options Available]
4. Frame panel color: [Clear Anodized Aluminum] [Specify color from manufacturer's standard color chart or custom color.] [Powder Coated Finish]
5. Letter styles[s] and letter size[s]: [Specify from manufacturer's standard letter styles chart.]
6. Text schedule: [Verify correct capitalization.]
7. Text or graphic technique:
  - a) [LTV series vinyl letters]
  - b) [Silk Screened Graphics]
8. Wall Mounting: Concealed mechanical mounting brackets through aluminum frame.

N. VENUS Interior Double-Sided Flag Mounted Signs:

1. Flat face anodized aluminum frame size:  
[VEN.039 12" h x 11.98" w]  
[VEN.040 21" h x 19.84" w]  
[VEN.041 15" h x 15.90" w]
2. Graphic insert size to correspond with the following:  
[VEN.039 12" h x 11.77" w]  
[VEN.040 21" h x 19.64" w]  
[VEN.041 15" h x 15.70" w]

3. Frame panel color: [Clear Anodized Aluminum] [Specify color from manufacturer's standard color chart or custom color.] [Powder Coated Finish]
4. Clear Anodized Aluminum End Caps [ASI Standard Colors or Custom Color Options Available]
5. Accent Bar [Custom Size Only]
6. Panel color: [Specify color from manufacturer's standard color chart or custom color.]
7. Letter style[s] and letter size[s]: [Specify from manufacturer's standard letter styles chart.]
8. Text or graphic technique:
  - a) [LTV series vinyl letters]
  - b) [Digitally Printed Vinyl Graphics]
9. Text vinyl color[s]: [Specify from manufacturer's standard color chart or custom color.]
10. Text schedule: [Verify correct capitalization.]
11. Wall mount bracket with appropriate hardware.

## 2.2 SIGNAGE MATERIALS / COMPONENTS

### A. Materials and Components:

1. Aluminum Frames: Extruded aluminum, AA 6063
2. Anodize - Properties BS 1615
3. Acrylic Covers / Properties  
Excellent weather resistance and long stability against UV degradation
4. PETG Covers / Properties  
High impact resistance  
UV protective layer / weather resistant  
Face Components:
  - a) ADA-Ready Panels: .032" photopolymer with .017 aluminum backer, tactile copy and Braille characters with acrylic polyurethane color coating.
  - b) Graphic Panels: Thickness varies per application and material from .020" to .0625". Material must be pliable as there is a slight curve to the sign face.
2. Supports, Fixtures, and End Caps: As required for a complete and finished installation.

### B. Painted Surface Treatment Finish: Manufacturer's standard two-phase finishing process. Colors as selected from manufacturer's standard colors or custom color.

1. Phase One: Priming with 2u depth layer for optimum surface coat adhesion and weatherability.
2. Phase Two: Painting process employing two component, acrylic polyurethane coating of 20-30u depth.

### C. Powder Coated Finish:

1. General: The standard powder coat finish consists of a Polyester or TGIC (Triglycidyl Isocyanurate) Polyester.
2. Surface Preparation and Powder Coating: The exterior surface is cleaned in a minimum 5 stage wash system prior to the powder application. Then all exterior surfaces are coated with either a Polyester or TGIC (Triglycidyl Isocyanurate) Polyester powder. The powder coating is electrostatically applied to an average film thickness (DFT) of 3.0 mils (0.003") and then cured in a gas fired convection oven at a temperature range of 350° F - 400° F. The thermosetting powder resin provides both inner coat as well as substrate fusion adhesion.

## 2.3 FABRICATION - GENERAL

### A. General: Comply with requirements indicated for materials, thicknesses, finishes, colors, designs, shapes, sizes, and details of construction.

- B. Preassemble signs in the shop to the greatest extent possible to minimize field assembly. Disassemble signs only as necessary for shipping and handling limitations. Clearly mark units for reassembly and installation, in a location not exposed to view after final assembly.
- C. Conceal fasteners if possible; otherwise, locate fasteners to appear inconspicuous.
- D. Form panels to required size and shape. Comply with requirements indicated for design, dimensions, finish, color, and details of construction.
- E. Coordinate dimensions and attachment methods to produce message panels with closely fitting joints. Align edges and surfaces with one another in the relationship indicated.

### **3 EXECUTION**

#### **3.1 EXAMINATION**

- A. Site Verification of Conditions: Verify installation conditions previously established under other sections are acceptable for product installation in accordance with manufacturer's instructions.
- B. Scheduling of installation by Owner or it's representative implies that substrate and conditions are prepared and ready for product installation. Proceeding with installation implies installer's acceptance of substrate and conditions.

#### **3.2 INSTALLATION**

- A. Install product in accordance with supplier's instructions.
- B. Install product in locations indicated using mounting methods recommended by sign manufacturer and free from distortion, warp, or defect adversely affecting appearance.
- C. Install product level, plumb, and at heights indicated.
- D. Install product at heights to conform to Americans with Disabilities Act Accessibility Guidelines (ADAAG) and applicable local amendments and regulations.
- E. Install signs within the following tolerances and in accordance with manufacturer's recommendations:  
Interior Signs: Within 1/4 inch vertically and horizontally of intended location.

#### **3.3 CLEANING, PROTECTION, AND REPAIR**

- A. Repair scratches and other damage which might have occurred during installation. Replace components where repairs were made but are still visible to the unaided eye from a distance of 5 feet.
- B. Remove temporary coverings and protection to adjacent work areas. Clean installed products in accordance with manufacturer's instructions prior to Owner's acceptance. Remove construction debris from project in accordance with provisions in Division 1.

#### **3.4 SIGN SCHEDULE**

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

END OF SECTION