

SECTION 101400- INTERIOR SIGNAGE

PART 1- GENERAL

1.01 SUMMARY

- A. Section includes:
 - 1. Interior non-illuminated directional, control, and information surface/overhead/floor mounted signage as complete, integrated, modular systems.

1.02 REFERENCES

- A. Standards of the following as referenced:
 - 1. American National Standards Institute (ANSI).
- B. Industry standards:
 - 1. Department of Justice, Office of the Attorney General, "Americans with Disabilities Act", Public Law 101.336, (ADA).
 - 2. Federal Register Part III, Department of Justice, Office of the Attorney General, 28 CFR Part 36: Nondiscrimination on the Basis of Disability by Public Accommodations and in Commercial Facilities.
 - 3. Federal Register Part II, Architectural and Transportation Barriers Compliance Board, 36 CFR Part 1191: Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities.
 - 4. Comply with all federal, state & local building codes & ADA accessibility codes.

1.03 DEFINITIONS

- A. Terms:
 - 1. Braille: Grade II Braille including 189 part-word or whole word contractions in addition to Grade I Braille 63 characters for room numbering. Raised Characters are required whenever Braille is required.
 - 2. Visual Characters: Surface silkscreened letters and numbers on signs.
 - 3. Symbols: Symbol itself is not required to be tactile but equivalent verbal description is required both in raised characters/letters and braille.
 - 4. Tactile: 1/32" raised capital letters without serifs at least 5/8" letter/character height and not more than 2" letter/character height based on upper case "I". Braille is required whenever raised characters are required.

1.04 SYSTEM DESCRIPTION

- A. Signage under this section is intended to include items for identification, direction, control, and information of building where installed as complete integrated systems from a single manufacturer.

1.05 SUBMITTALS

- A. Product data:
 - 1. Manufacturer's signed statement regarding compliance with Quality Assurance Article.
 - 2. Manufacturer's product literature indicating units/designs selected.

3. Evidence of manufacturer's computerized data retrieval program for tracking of project for sign typography, message strip requirements and other pertinent data from schedule input to final computerized typography on finished product.

B. Shop drawings:

1. Indicate materials and thicknesses, sizes, configurations, and applicable mounting details and appropriate mechanical fasteners/ anchors.
2. Typography sample for selected message copy as noted on drawing sheets.
3. Provide a message schedule with Sign Type designations to correspond with floor plans with your shop drawing document.
4. Map artwork production is not included in bid price. You will be given a sample of Evacuation Plans or Orientation Maps' artwork. You will be responsible to provide all the artwork for these maps' orientations and locations for Designer review prior to fabrication.

C. Keystroking Proof:

Provide scaled image of each interior sign as an Adobe Acrobat PDF file without re-keying the messages from the message schedule in construction documents for customer review, amendment and/or approval. The scaled image will have correct typeface, copy size, Braille translation, sign sizes and layout as provided in the Design Intent Drawings. The final approved electronic files must be used for manufacturing without re-keying.

D. Samples:

1. Submit full size samples for holder, insert(s), and copy in colors specified for sign types:
 - a. Sign Type K.3 - Wall Mounted Directional
 - b. Sign Type D.5 - Main Corridor Department ID
 - c. Sign Type D.3 - In-Department Room ID with Note Clip

E. Contract close out:

1. Include: drawings, pricing and sign message list and floor plans in both formats:
 - a. Hard copy
 - b. Electronic copy on disc
2. Maintain computer schedule program for five years for ordering new signage required by Owner.
3. Maintenance data and cleaning requirements for all sign surfaces and finishes.
4. If a sign maker software option is required/selected, furnish one complete software package for IBM PC, or IBM/Compatible PC type computer. This program will enable the Owner to produce updated graphics on clear acetate material for use in the sign system.
5. Furnish 500 clear acetate material sheets for use in sign system packaged for Owner. Size(s) to coincide with software insert layouts' sizes. Trim lines in software layout are to be furnished for Owner to allow proper insert size after trimming material.

1.06 QUALITY ASSURANCE

A. Qualifications

1. Manufacturer:
 - a. Work under this section from manufacturers regularly engaged in work of this magnitude and scope for seven years, minimum.

B. Pre-installation conference: Mounting templates (fastener locations) to be provided for all sizes of signs in this program with metal bushings to prevent distortion of hole locations.

C. Maintain computer access between schedule input and computerized typography production.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Acceptance at site: Coordinate delivery of work to Project site under this section for immediate interior installation by others.

1.08 SEQUENCING AND SCHEDULING

- A. Package signs by Sign Type with prominent Sign Type Designation notation on outside of packaging.

1.09 WARRANTY

- A. Special manufacturer's standard one (1) year limited warranty.

PART 2- PRODUCTS

2.01 MANUFACTURED UNITS

A. Acceptable Manufacturer:

- 1. Interior & Exterior modular systems to be manufactured by a single sign manufacturer, currently operating under same business name /license for minimum of seven (7) years.

B. Acceptable Interior Products:

- 1. Interior modular sign system with front loading extruded changeable aluminum insert bands to span full width of the message area of sign unit. Aluminum bands lock onto sign (aluminum) frame via injected molded plastic multiple clip fasteners inside tracks, allowing for complete flexibility with size, configuration, and modularity for both single insert identification signs to large, complex directory formats and directional signs. Full aluminum back plate with pre-drilled mounting holes for concealed mechanical fastener mounting and silver anodized, non-removable natural satin aluminum frame/end caps. Special tool for Insert Band Removal. See drawing sheets for appropriate application of acceptable product for each sign type.
- 2. Interior modular sign system with front loading changeable oversized acrylic face panels to be captured by aluminum extruded profile frame with integral aluminum backing plate pre-drilled for mechanical fasteners. Silver anodized, non-removable natural satin aluminum frame/end caps. Special Tool for Insert removal.
- 3. Not allowed: Surface applied vinyl graphics, applied Raised Characters or Raster Braille; VHB Tape mounting of Inserts into Sign Frame, Magnetic mounting of Inserts into Sign Frame, VHB Tape mounting of Signs to Wall, Silicone mounting of Signs to Wall
- 4. Provide the following assemblies; locate where indicated on drawings
 - a. Sign frames to be comprised of aluminum extrusions with rigid core material, front loading message inserts and the ability to accommodate fully concealed mechanical fasteners.
 - b. Aluminum bands to span full width of the message area of sign unit. Bands lock onto sign (aluminum) frame via injected molded plastic multiple clip fasteners inside tracks, allowing for complete flexibility with size, configuration, and modularity for both single insert identification signs to large, complex directory formats and directional signs.
- 4. Backer supports with pre-drilled holes for mechanical fastener mounting.

C. Sign Types:

1) Evacuation Map at Stairs and Elsewhere – RACE Text: Sign Type A.1

- a. Product: Wall Mounted, Changeable insert affixed inside aluminum frame.
- b. Size: 11.375"h x 13.375"w x 3/8" deep. Refer to drawing G.05.0 for details
 - i. Qty 2 - Frame (one each side), NSA, 3/8" radius edge
 - ii. Qty 1 - Removable front load oversized insert non-glare acrylic face, 11.125"h x 12.875"w with changeable clear acetate message insert. Insert area background painted to match top insert color
 - iii. Qty 1 - Evacuation Map: First surface screen background and copy on acrylic face panel with window for digital printed map. Map to be digitally printed on 1/32" styrene or acrylic, white. No magnetic or VHB for insert mounting; Suction cup tool required for removal
 - iv. Qty 1 - First surface screened 'rule'
 - v. Mounting: Extrusion frames to be surface mounted to wall with integral backing plaque pre-drilled for mechanical fasteners

2) RACE: Sign Type A.2

- a. Product: Wall Mounted, Changeable insert affixed inside aluminum frame.
- b. Size: 8.25"h x 9"w x 3/8" deep. Refer to drawing G.05.0 for details.
 - i. Qty 2 - Frame (one each side), NSA, 3/8" radius edge
 - ii. Qty 1 - Removable front load oversized acrylic insert 8.25"h x 8.5"w, First surface painted background colors with first surface screened graphic. Surface applied vinyl graphics NOT allowed. No magnetic or VHB for insert mounting; Suction cup tool required for removal
 - iii. Qty 1 - First surface screened 'rule'
 - v. Mounting: Extrusion frames to be surface mounted to wall with integral backing plaque pre-drilled for mechanical fasteners

3) Evacuation Map with 'In Case of Fire' at Elevator: Sign Type: A.3

- a. Product: Wall Mounted, Changeable insert affixed inside aluminum frame.
- b. Size: 16"h x 17"w x 3/8" deep. Refer to drawing G.05.0 for details
 - i. Qty 2 - Frame (one each side), NSA, 3/8" radius edge
 - ii. Qty 1 - Removable front load oversized acrylic insert non-glare acrylic face, 11.125"h x 16.5"w with changeable clear acetate message insert. Insert area background painted to match top insert
 - iii. Qty 1 - Evacuation Map: First surface screen background and copy on acrylic face panel with window for digital printed map. Map to be digitally printed on 1/32" styrene or acrylic, white. No magnetic or VHB for insert mounting; Suction cup tool required for removal
 - iv. Qty 1 - First surface screened 'rule'
 - v. Mounting: Extrusion frames to be surface mounted to wall with integral backing plaque pre-drilled for mechanical fasteners

4) Stair ID: Sign Type B.1

- a. Product: Wall Mounted, Changeable insert affixed inside aluminum frame.
- b. Size: 8.5"h x 9"w x 3/8" deep. Refer to drawing G.06.0 for details.
 - i. Qty 2 - Frame (one each side), NSA, 3/8" radius edge
 - ii. Qty 1 - ADA phenolic, removable front load oversized insert 8.25"h x 8.5"w, First surface painted background color with Raised Characters & Braille; Braille painted background color. Face paint Raised Characters. Applied characters/braille NOT allowed. No magnetic or VHB for insert mounting; Suction cup tool required for removal
 - iii. Qty 1 - First surface screened 'rule'

- v. Mounting: Extrusion frames to be surface mounted to wall with integral backing plaque pre-drilled for mechanical fasteners

5) Stairwell ID: Sign Type B.2

- a. Product: Wall Mounted, Changeable insert affixed inside aluminum frame.
- b. Size: 16"h x 17"w x 3/8" deep. Refer to drawing G.06.0 for details.
 - i. Qty 2 - Frame (one each side), NSA, 3/8" radius edge
 - ii. Qty 1 - ADA phenolic, removable front load oversized insert 16"h x 16.5"w, First surface painted background color with Raised Characters & Braille; Braille painted background color. Face paint Raised Characters. Applied characters/braille NOT allowed. No magnetic or VHB for insert mounting; Suction cup tool required for removal
 - iii. Qty 1 - First surface screened 'rule'
- v. Mounting: Extrusion frames to be surface mounted to wall with integral backing plaque pre-drilled for mechanical fasteners

6) Entry Message/No Smoking: Sign Type C.1, C.2

- a. Product: Wall Mounted, Changeable insert affixed inside aluminum frame.
- b. Size: 16.25"h x 17 "w x 3/8" deep. Refer to drawing G.07.0 for details
 - i. Qty 2 - Frame (one each side), NSA, 3/8" radius edge
 - ii. Qty 1 - Removable front load oversized acrylic insert 16"h x 16.5"w, First surface painted background colors with first surface screened graphic. Surface applied vinyl graphics NOT allowed. No magnetic or VHB for insert mounting; Suction cup tool required for removal
 - iii. Qty 1 - First surface screened 'rule'
- v. Mounting: Extrusion frames to be surface mounted to wall with integral backing plaque pre-drilled

7) Main Corridor Room Number: SignType D.1

- a. Product: Wall Mounted, Changeable insert affixed inside aluminum frame.
- b. Size: 2.375"h x 6.0"w x 3/8" deep. Refer to drawing G.08.0 for details.
 - i. Qty 2 - Frame (one each side), NSA, 3/8" radius edge
 - ii. Qty 1 - ADA phenolic, removable front load oversized insert 2.375"h x 5.5"w, First surface painted background color with Raised Characters & Braille; Braille painted background color. Face paint Raised Characters. Applied characters/braille NOT allowed. No magnetic or VHB for insert mounting; Suction cup tool required for removal
 - iii. Qty 1 - Divider 1/4"h x 6.25"w x 5/8" deep; Clear polished acrylic 'arc' divider, with subsurface silkscreen accent color. 'Arc' be attached directly to backer and extend 1/8" beyond sign frame.
- v. Mounting: Extrusion frames to be surface mounted to wall with integral backing plaque pre-drilled for mechanical fasteners

8) In-Department ID: Sign Type D.2

- a. Product: Wall Mounted, Changeable window feature area affixed inside aluminum frame.
- b. Overall size: 5"h x 6.0"w x 3/8"deep. Refer to drawing G.08.0 for details.
 - i. Qty 2 - Frames (one each side), NSA, 3/8" radius edge
 - ii. Qty 1 - ADA phenolic, removable front load oversized insert 2.375"h x 5.5"w, First surface painted background color with Raised Characters & Braille; Braille painted background color. Face paint Raised Characters. Applied characters/braille NOT allowed. No magnetic or VHB for insert mounting; Suction cup tool required for removal

- iii. Qty 1 - Removable front load oversized acrylic insert 2.375"h x 5"w, First surface painted background colors with first surface screened graphic. Surface applied vinyl graphics NOT allowed. No magnetic or VHB for insert mounting; Suction cup tool required for removal
- iv. Qty 1 - Divider 1/4"h x 6.25"w x 5/8" deep; Clear polished acrylic 'arc' divider, with subsurface silkscreen accent color. 'Arc' be attached directly to backer and extend 1/8" beyond sign frame.
- v. Mounting: Extrusion frames to be surface mounted to wall with integral backing plaque pre-drilled for mechanical fasteners

9) Office ID- 1 Insert/ Note Clip: Sign Type D.3

- a. Product: Wall Mounted, Changeable window feature area affixed inside aluminum frame.
- b. Overall size: 5"h (plus clip) x 6.0"w x 3/8" deep. Refer to drawing G.08.0 for details.
 - i. Qty 2 - Frames (one each side), NSA, 3/8" radius edge
 - ii. Qty 1 - ADA phenolic, Removable front load oversized insert 2.375"h x 5.5"w, First surface painted background color with Raised Characters & Braille; Braille painted background color. Face paint Raised Characters. Applied characters/braille NOT allowed. No magnetic or VHB for insert mounting; Suction cup tool required for removal
 - iii. Qty 1 - Removable front load oversized non-glare acrylic face, 2.375"h x 5.5"w with changeable clear acetate message insert. Insert area background painted to match top insert color. No magnetic or VHB for insert mounting; Suction cup tool required for removal
 - iv. Qty 1 - Divider 1/4"h x 6.25"w x 5/8" deep; Clear polished acrylic 'arc' divider, with subsurface silkscreen accent color. 'Arc' be attached directly to backer and extend 1/8" beyond sign frame.
 - v. Mounting: Extrusion frames to be surface mounted to wall with integral backing plaque pre-drilled for mechanical fasteners
 - vi. Qty 1 - Note Clip, NSA, 1.22"h x 2.5"w x 4.5d with NSA end caps affixed/centered below sign unit.

10) Office ID - 1 Insert: Sign Type D.4

- a. Product: Wall Mounted, Changeable window feature area affixed inside aluminum frame.
- b. Overall size: 5"h x 6.0"w x 3/8" deep. Refer to drawing G.08.0 for details.
 - i. Qty 2 - Frames (one each side), NSA, 3/8" radius edge
 - ii. Qty 1 - ADA phenolic, Removable front load oversized insert 2.375"h x 5.5"w, First surface painted background color with Raised Characters & Braille; Braille painted background color. Face paint Raised Characters. Applied characters/braille NOT allowed. No magnetic or VHB for insert mounting; Suction cup tool required for removal
 - iii. Qty 1 - Removable front load oversized insert non-glare acrylic face, 2.375"h x 5.5"w with changeable clear acetate message insert. Insert area background painted to match top insert color. No magnetic or VHB for insert mounting; Suction cup tool required for removal
 - iv. Qty 1 - Divider 1/4"h x 6.25"w x 5/8" deep; Clear polished acrylic 'arc' divider, with subsurface silkscreen accent color. 'Arc' be attached directly to backer and extend 1/8" beyond sign frame.
 - v. Mounting: Extrusion frames to be surface mounted to wall with integral backing plaque pre-drilled for mechanical fasteners

11) Main Corridor Department ID: Sign Type D.5

- a. Product: Wall Mounted, Changeable multi-inserts affixed inside aluminum frame.
- b. Size: 110.875" x 10.0"w x 3/8" deep

- i. Qty 2 -Frames (one each side), NSA; 3/8" radius edge
- ii. Qty 1 - ADA phenolic, Removable front load oversized insert 2.375"h x 9.5"w, First surface painted background color with Raised Characters & Braille; Braille painted background color. Face paint Raised Characters. Applied characters/braille NOT allowed. No magnetic or VHB for insert mounting; Suction cup tool required for removal
- iii. Qty 1 - Acrylic removable front load oversized insert 8.25"h x 9.5"w x 1/8"deep, First surface painted background colors with first surface screened graphic. Surface applied vinyl graphics NOT allowed. No magnetic or VHB for insert mounting; Suction cup tool required for removal
- iv. Qty 1 - Divider 1/4"h x 10.25"w x 5/8" deep; Clear polished acrylic 'arc' divider, with subsurface silkscreen accent color. 'Arc' be attached directly to backer and extend 1/8" beyond sign frame.
- v. Mounting: Extrusion frames to be surface mounted to wall with integral backing plaque pre-drilled for mechanical fasteners

12) Office ID- 1 Insert/ Note Clip: Sign Type D.6

- a. Product: Wall Mounted, Changeable window feature area affixed inside aluminum frame.
- b. Size: 7.25"h (plus clip) x 6.0"w x 3/8" deep. Refer to drawing G.08.0 for details.
 - i. Qty 2 - Frames (one each side), NSA, 3/8" radius edge
 - ii. Qty 1 - ADA phenolic, Removable front load oversized insert 2.375"h x 5.5"w, First surface painted background color with Raised Characters & Braille; Braille painted background color. Face paint Raised Characters. Applied characters/braille NOT allowed. No magnetic or VHB for insert mounting; Suction cup tool required for removal
 - iii. Qty 1 - Removable front load oversized non-glare acrylic face, 4.675"h x 5.5"w with changeable clear acetate message insert. Insert area background painted to match top insert color. No magnetic or VHB for insert mounting; Suction cup tool required for removal
 - iv. Qty 1 - Divider 1/4"h x 6.25"w x 5/8" deep; Clear polished acrylic 'arc' divider, with subsurface silkscreen accent color. 'Arc' be attached directly to backer and extend 1/8" beyond sign frame.
 - v. Mounting: Extrusion frames to be surface mounted to wall with integral backing plaque pre-drilled for mechanical fasteners
 - vi. Qty 1 - Note Clip, NSA, 1.22"h x 2.5"w x 4.5d with NSA end caps affixed/centered below sign unit.

12.1. Patient Room ID- Sign Type D.7

- a. Product: Wall Mounted, Changeable window feature area affixed inside aluminum frame.
- b. Size: Refer to drawing G.08.0 for details.
 - i. Qty 2 - Frames (one each side), NSA, 3/8" radius edge
 - ii. Qty 1 - ADA phenolic, Removable front load oversized insert 2.375"h, First surface painted background color with Raised Characters & Braille; Braille painted background color. Face paint Raised Characters. Applied characters/braille NOT allowed. No magnetic or VHB for insert mounting; Suction cup tool required for removal
 - iii. Qty 1 - Removable front load oversized acrylic insert. Insert area background painted to match top insert color. No magnetic or VHB for insert mounting; Suction cup tool required for removal
 - iv. Qty 8 - Concealed Locking Message Band Component for Patient Information. Subsurface Copy on Message Band. Band Extends 2.5" Beyond Sign Frame on One Side. See drawing for details
 - v. Qty 1 - Divider 1/4"h x 6.25"w x 5/8" deep; Clear polished acrylic 'arc' divider, with subsurface silkscreen accent color. 'Arc' be attached directly to backer and extend 1/8" beyond sign frame.
 - vi. Mounting: Extrusion frames to be surface mounted to wall with integral backing plaque pre-drilled for mechanical fasteners

13) Elevator ID: SignType E.1

- a. Product: Wall Mounted, Changeable insert affixed inside aluminum frame.
- b. Size: 2.375"h x 6.0"w x 3/8" deep. Refer to drawing G.09.0 for details.
 - i. Qty 2 - Frame (one each side), NSA, 3/8" radius edge
 - ii. Qty 1 - ADA phenolic, Removable front load oversized insert 2.375"h x 5.5"w, First surface painted background color with Raised Characters & Braille; Braille painted background color. Face paint Raised Characters. Applied characters/braille NOT allowed. No magnetic or VHB for insert mounting; Suction cup tool required for removal
 - iii. Qty 1 - First surface screened 'rule'
 - v. Mounting: Extrusion frames to be surface mounted to wall with integral backing plaque pre-drilled for mechanical fasteners

14) Dimensional Letters : Sign Type F.1

- a. Product: 1/4" thick cut out aluminum painted letters
- b. Overall size: 7"h x 0.25"thick. Refer to drawing G.10.0 for details.
 - i. Dimensional letters - surface & sides painted.
 - ii. Include mounting template for on-site approval prior to fastening.
 - iii. Mounting: Stud/Pin, flush mounted to wall surface

15) Handicap Restroom ID: Sign Type G.1, G.2, G.3

- a. Product: Wall Mounted, Changeable multi-inserts affixed inside aluminum frame.
- b. Overall size: 10.675"h x 9"w x 3/8"deep. Refer to drawing G.11.0 for details.
 - i. Qty 2 - Frames (one each side), NSA; 3/8" radius edge
 - ii. Qty 1 - ADA phenolic, Removable front load oversized insert 2.375"h x 8.5"w, First surface painted background color with Raised Characters & Braille; Braille painted background color. Face paint Raised Characters. Applied characters/braille NOT allowed. No magnetic or VHB for insert mounting; Suction cup tool required for removal
 - iii. Qty 1 - Acrylic removable front load oversized insert 8.25"h x 8.5"w, First surface painted background colors with first surface screened graphic. Surface applied vinyl graphics NOT allowed. No magnetic or VHB for insert mounting; Suction cup tool required for removal
 - iv. Qty 1 - Divider 1/4"h x 9.25"w x 5/8" deep; Clear polished acrylic 'arc' divider, with subsurface silkscreen accent color. 'Arc' be attached directly to backer and extend 1/8" beyond sign frame.
 - v. Mounting: Extrusion frames to be surface mounted to wall with integral backing plaque pre-drilled for mechanical fasteners

16) Restroom ID: Sign Type G.4

- a. Product: Wall Mounted, Changeable multi-inserts affixed inside aluminum frame.
- b. Size: 5"h x 6.0"w x 3/8" deep. Refer to G.11.0 for details
 - i. Qty 2 -Frames (one each side), NSA; 3/8" radius edge
 - ii. Qty 1 - ADA phenolic, E309 insert 2.36"h x 5.5"w, First surface painted background color with Raised Characters & Braille; Braille painted background color. Face paint Raised Characters. Applied characters/braille NOT allowed. No magnetic or VHB for insert mounting; Suction cup tool required for removal
 - iii. Qty 1 - Removable front load oversized acrylic insert 8.25"h x 5.5"w, First surface painted background colors with first surface screened graphic. Surface applied vinyl graphics NOT allowed.

- iv. Qty 1 - Divider 1/4"h x 6.25"w x 5/8" deep; Clear polished acrylic 'arc' divider, with subsurface silkscreen accent color. 'Arc' be attached directly to backer and extend 1/8" beyond sign frame.
- v. Mounting: Extrusion frames to be surface mounted to wall with integral backing plaque pre-drilled for mechanical fasteners

17) Projecting Wall Sign- Department ID: Sign Type H.1

- a. Product: Flag Mounted, Changeable single insert, one each side, aluminum band message panels affixed inside aluminum frame.
- b. Overall size: 11.375"h x 19"long x 2"deep (Sign panels are 11"h x 17"w) Refer to drawing G.12.0 for
 - i. Qty 1 - Mounting T-bracket, 2" square, painted
 - ii. Qty 2 - Aluminum insert bands 11"h x 19"w, First surface painted background colors with first surface screened graphic. Surface applied vinyl graphics NOT allowed.
 - iii. Mounting: Concealed Mechanical Fasteners

18) Hours of Operation: Sign Type I.1

- a. Product: Vinyl diecut, White.
- b. Size: Refer to drawing G.13.0
 - i. Mounting: Reverse glass.

19) Main Hospital Elevator Directory: Sign Type J.1

- a. Product: Wall Mounted, Changeable multi-inserts, aluminum bands affixed inside aluminum frame. All directory strips with screen copy;
- b. Size: Refer to Drawing G.14.0 for details
 - i. Qty 1 - Frame, NSA, 1/2"radius edge
 - ii. Qty 1 - Horizontal divider, 0.25"h x 55"w, Clear polished acrylic 'arc' divider, with subsurface silkscreen accent color. 'Arc' be attached directly to backer and extend 1/2" beyond insert surfaces.
 - iii. Qty 5 - Aluminum insert bands 5.9"h x 18"w, Header: First surface painted background colors with first surface screened graphic. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal
 - iv. Qty 40 - Aluminum insert bands 1.77"h x 18"w, Directory Strips: First surface painted background colors with first surface screened graphic. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal
 - v. Qty 2 - Vertical divider, 39.75"h x 0.0625"w, NSA, flush with insert surfaces.
 - vi. Qty 1 - Mounting backer sign full size with pre-drilled holes, .040 aluminum
 - vii. Mounting: Mechanical Fasteners with appropriate wall anchors.

20) ACC Elevator Directory- 3 column: Sign Type J.1

- a. Product: Wall Mounted, Changeable multi-inserts, aluminum bands affixed inside aluminum frame. All directory strips with screened copy;
- b. Size: Refer to Drawing G.14.0 for details
 - i. Qty 1 - Frame, NSA, 1/2"radius edge
 - ii. Qty 1 - Horizontal divider, 0.25"h x 55"w, Clear polished acrylic 'arc' divider, with subsurface silkscreen accent color. 'Arc' be attached directly to backer and extend 1/2" beyond insert surfaces.
 - iii. Qty 3 - Aluminum inserts 5.9"h x 18"w, Header: First surface painted background colors with first surface screened graphic. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal

- iv. Qty 42 - Aluminum inserts 1.77"h x 18"w, Directory Strips: First surface painted background colors with first surface screened graphic; All directory strips printed. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal
- v. Qty 2 - Vertical divider, 39.75"h x 0.0625"w, NSA, flush with insert surfaces
- vi. Qty 1 - Mounting backer sign full size with pre-drilled holes, .040 aluminum
- vii. Mounting: Mechanical Fasteners with appropriate wall anchors.

21) Floor Elevator Directory - 1 column: Sign Type J.2

- a. Product: Wall Mounted, Changeable multi-inserts, aluminum bands affixed inside aluminum frame. All directory strips with screened copy
- b. Size: Refer to Drawing G.14.0 for details
 - i. Qty 1 - Frame, NSA, 1/2" radius edge
 - ii. Qty 1 - Horizontal divider, 0.25"h x 20"w, Clear polished acrylic 'arc' divider, with subsurface silkscreen accent color. 'Arc' be attached directly to backer and extend 1/2" beyond insert surfaces.
 - iii. Qty 1 - Aluminum insert bands 5.9"h x 18"w, Header: First surface painted background colors with first surface screened graphic. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal
 - iv. Qty 19 - Aluminum insert bands 1.77"h x 18"w, Directory Strips: First surface painted background colors with first surface screened graphic. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal
 - v. Qty 1 - Mounting backer sign full size with pre-drilled holes, .040 aluminum
 - vi. Mounting: Mechanical Fasteners with appropriate wall anchors.

22) Floor Elevator Directory - 1 column: Sign Type J.2.1

- a. Product: Wall Mounted, Changeable multi-inserts, aluminum bands affixed inside aluminum frame. All directory strips with screened copy
- b. Size: Refer to Drawing G.14.0 for details
 - i. Qty 1 - Frame, NSA, 1/2" radius edge
 - ii. Qty 1 - Horizontal divider, 0.25"h x 20"w, Clear polished acrylic 'arc' divider, with subsurface silkscreen accent color. 'Arc' be attached directly to backer and extend 1/2" beyond insert surfaces.
 - iii. Qty 1 - Aluminum insert bands 5.9"h x 18"w, Header: First surface painted background colors with first surface screened graphic. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal
 - iv. Qty 12 - Aluminum insert bands 1.77"h x 18"w, Directory Strips: First surface painted background colors with first surface screened graphic. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal
 - vi. Qty 1 - Mounting backer, 29.75"h x 17"w, .040 aluminum
 - vii. Mounting: Mechanical Fasteners with appropriate wall anchors.

23) Overhead Directional: Sign Type K.1.1

- a. Product: Ceiling mounted, changeable multi-inserts, aluminum bands affixed inside aluminum frame.
- b. Size: Refer to drawing G.15.0 for details (Sign depth 1.3125")
 - i. Qty 2 - Frames (one on each side), natural satin anodized (NSA)
 - ii. Qty 8 - Aluminum insert bands - 4 inserts on each side. First surface painted background colors with first surface screened copy. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal

- iii. Qty 2 - Vertical Dividers - 1"w x 1"thick (one on each side); Clear polished acrylic vertical 'arc' divider, with subsurface silkscreen accent color. 'Arc' be attached directly to backer and extend 1/2" beyond insert surfaces, further than sign inserts. Exact shape of 'arc' to be determined.

24) Overhead Directional: Sign Type K.1.2

- a. Product: Ceiling mounted, changeable multi-inserts, aluminum bands affixed inside aluminum frame.
- b. Size: Refer to drawing G.15.0 for details (Sign depth 1.3125")
 - i. Qty 2 - Frames (one on each side), natural satin anodized (NSA)
 - ii. Qty 12 - Aluminum insert bands - 6 inserts on each side. First surface painted background colors with first surface screened copy. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal
 - iii. Qty 2 - Vertical Dividers - 1"w x 1"thick (one on each side); Clear polished acrylic vertical 'arc' divider, with subsurface silkscreen accent color. 'Arc' be attached directly to backer and extend 1/2" beyond insert surfaces, further than sign inserts. Exact shape of 'arc' to be determined.

25) Overhead Directional ID: Sign Type K.1.3

- a. Product: Ceiling mounted, changeable multi-inserts, aluminum bands affixed inside aluminum frame.
- b. Size: Refer to drawing G.15.0 for details (Sign depth 1.3125")
 - i. Qty 2 - Frames (one on each side), natural satin anodized (NSA)
 - ii. Qty 16 - Aluminum insert bands - 8 inserts on each side. First surface painted background colors with first surface screened copy. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal
 - iii. Qty 2 - Vertical Dividers - 1"w x 1"thick (one on each side); Clear polished acrylic vertical 'arc' divider, with subsurface silkscreen accent color. 'Arc' be attached directly to backer and extend 1/2" beyond insert surfaces, further than sign inserts. Exact shape of 'arc' to be determined.

26) Destination Directional ID: Sign Type K.2

- a. Product: Wall Mounted, Changeable multi-inserts, aluminum band message panels affixed inside aluminum frame.
- b. Size: Refer to drawing G.15.1 for details (Sign depth 1.3125")
 - i. Qty 2 - Frames (one on each side), NSA, 1/2"radius edge
Qty 1 - Aluminum insert band 3.375"h x 20.5"w. Header with Arrow: First surface painted background colors with first surface screened graphic. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal
 - ii. Qty 7 - Aluminum insert bands 3.25"h x 20.5"w, First surface painted background colors with first surface screened copy. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal
 - iii. Qty 1 - Divider 1/4"h x 21.75"w ; Clear polished acrylic vertical 'arc' divider, with subsurface silkscreen accent color. 'Arc' be attached directly to backer and extend 1/2" beyond insert surfaces, further than sign inserts. Exact shape of 'arc' to be determined.
 - iv. Qty 1 - Mounting backer sign full size with pre-drilled holes, .040 aluminum
 - v. Mounting: Mechanical Fasteners. VHB tape NOT allowed

27) Destination Directional ID: Sign Type K.3

- a. Product: Wall Mounted, Changeable multi-inserts, aluminum band message panels affixed inside aluminum frame.
- b. Size: Refer to drawing G.15.1 for details (Sign depth 1.3125")
 - i. Qty 2 - Frames (one on each side), NSA, 1/2"radius edge
 - Qty 1 - Aluminum insert band 3.375"h x 20.5"w. Header with Arrow: First surface painted background colors with first surface screened graphic. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal
 - ii. Qty 4 - Aluminum insert bands 3.25"h x 20.5"w, First surface painted background colors with first surface screened copy. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal
 - iii. Qty 1 - Divider 1/4"h x 21.75"w ; Clear polished acrylic vertical 'arc' divider, with subsurface silkscreen accent color. 'Arc' be attached directly to backer and extend 1/2" beyond insert surfaces, further than sign inserts. Exact shape of 'arc' to be determined.
 - iv. Qty 1 - Mounting backer sign full size with pre-drilled holes, .040 aluminum
 - v. Mounting: Mechanical Fasteners. VHB tape NOT allowed

28) Destination Directional ID: Sign Type K.3.1

- a. Product: Wall Mounted, Changeable multi-inserts, aluminum band message panels affixed inside aluminum frame.
- b. Size: Refer to drawing G.15.1 for details (Sign depth 1.3125")
 - i. Qty 2 - Frames (one on each side), NSA, 1/2"radius edge
 - ii. Qty 1 - Aluminum insert band 3.375"h x 20.5"w. Header with Arrow: First surface painted background colors with first surface screened graphic. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal
 - iii. Qty 1 - Aluminum insert bands 6.675"h x 20.5"w, First surface painted background colors with first surface screened copy. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal
 - iv. Qty 2 - Aluminum insert bands 3.25"h x 20.5"w, First surface painted background colors with first surface screened copy. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal
 - v. Qty 1 - Divider 1/4"h x 21.75"w ; Clear polished acrylic vertical 'arc' divider, with subsurface silkscreen accent color. 'Arc' be attached directly to backer and extend 1/2" beyond insert surfaces, further than sign inserts. Exact shape of 'arc' to be determined.
 - vi. Qty 1 - Mounting backer sign full size with pre-drilled holes, .040 aluminum
 - vii. Mounting: Mechanical Fasteners. VHB tape NOT allowed

29) Wall Mounted Directional - Small: Sign Type K.4

- a. Product: Wall Mounted, Changeable multi-inserts, aluminum band message panels affixed inside aluminum frame.
- b. Size: Refer to drawing G.15.1 for details (Sign depth 5/8")
 - i. Qty 2 - Frames (one on each side), NSA, 1/2" radius edge
 - ii. Qty 1 - Aluminum insert band 3.375"h x 8"w. Header with Arrow: First surface painted background colors with first surface screened graphic. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal
 - iii. Qty 1 - Aluminum insert bands 7"h x 8"w, First surface painted background colors with first surface screened copy. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal
 - iv. Qty 1 - Divider 1/4"h x (Refer to drawing for width); Clear polished acrylic vertical 'arc' divider, with subsurface silkscreen accent color. 'Arc' be attached directly to backer and extend beyond insert surfaces, further than sign inserts. Exact shape of 'arc' to be determined.
 - v. Qty 1 - Mounting backer sign full size with pre-drilled holes, .040 aluminum

- vi. Mounting: Mechanical Fasteners. VHB tape NOT allowed

30) Wall Mounted Elevator Lobby Level: Sign Type K.5

- a. Product: Wall Mounted, Changeable single-insert, aluminum band message panels affixed inside aluminum frame.
- b. Size: Refer to drawing G.15.1 for details (Sign depth 5/8")
 - i. Qty 2 - Frames (one on each side), NSA, 1/2" radius edge
 - ii. Qty 1 - Aluminum insert band 6"h x 6"w. First surface painted background colors with first surface screened graphic. Surface applied vinyl graphics NOT allowed. Vandal-resistant tool required for removal
 - iii. Qty 1 - First surface screened 'rule'
 - iv. Qty 1 - Mounting backer sign full size with pre-drilled holes, .040 aluminum
 - v. Mounting: Mechanical Fasteners. VHB tape NOT allowed

31) Life Safety : Sign Type L.1, L.2, L.3, L.4, L.5, L.6

- a. Product: Wall Mounted, Changeable window feature area affixed inside aluminum frame.
- b. Size: 6"h x 7"w x 3/8" deep. Refer to drawing G.16.0 for details.
 - i. Qty 2 - Frames (one each side), NSA, 3/8" radius edge
 - ii. Qty 1 - Removable front load oversized acrylic insert 6"h x 6.5"w, First surface painted background colors with first surface screened graphic. Surface applied vinyl graphics NOT allowed. No magnetic or VHB for insert mounting; Suction cup tool required for removal
 - iii. Mounting: Extrusion frames to be surface mounted to wall with integral backing plaque pre-drilled for mechanical fasteners

2.02 Components / Materials:

A. Aluminum Frame

- 1. Track aluminum edge shape as indicated on drawings. Aluminum frame extrusions shall contain a minimum of 50% post consumer recycled content.
- 2. Finish: Natural Satin Aluminum
- 3. Track end caps shape as indicated on drawings.
- 4. Mounting: Direct to wall surface - Wall mount and Projecting (flag) Mount: Wall mount with appropriate mechanical fasteners and anchors. Ceiling mount: Mount with appropriate mechanical fasteners and anchors for existing ceiling conditions.
- 5. Configuration: Indicated in sign message schedule and drawings.

B. Message Inserts:

- 1. Sign Bands for Directional Signs and Directories.
 - a. Size: Metal and acrylic inserts:
Sizes selected from various heights
 - b. Expanded height sign plaques configuration.
 - c. Color: As indicated on drawings.
 - d. Mounting: Attach to Frame/Track utilizing multiple clip plastic fastener in 15mm increments, allowing removal with manufacturer's special Removal Tool.

2. Graphic Inserts Room Signs, Exit Directionals, Life Safety Signs.
 - a. Must be removable to accommodate fully concealed mechanical fasteners
 - b. First surface painted acrylic with screen copy/symbols
3. Acrylic 'Arc' Dividers:
 - a. Size: as indicated in Sign Type specifications and in drawings.
 - b. Shape: as indicated in Sign Type specifications and in drawings.
 - c. Finish: as indicated on drawings.
4. Graphic Inserts for Identification Signs:
 - a. Must be removable to accommodate fully concealed mechanical fasteners
 - b. Non-glare acrylic clear covers over film acetate changeable inserts.
5. Layout: As indicated on drawings.
6. Copy: Indicated in Sign Message Schedule and drawings.

C. Graphics:

1. Type sizes: Must meet ADA requirements for letter proportions and sizes.
2. Visual Type style or styles: as indicated in drawings
3. Type code or codes: as indicated in drawings
4. Raised Character Type style: as indicated in drawings
5. Face-painted/ background colors: As indicated on sign type drawings; color contrast background colors in accord with ADA requirements.
6. Not Allowed- Pressure Sensitive Vinyl Graphics or surface applied raised characters or Raster Braille.

2.03 FABRICATION

A. Shop assembly:

1. Fabricate units to configurations indicated on reviewed shop drawings. Internally reinforce units in accord with reviewed shop drawings.
2. Wrap each individual unit with protective material to prevent damage in transit.

PART 3- EXECUTION

3.01 DELIVERY

- A. Project Delivery Date: All signs must be delivered No Later Than July 24, 2012.
Ship to Address: VA Las Vegas Medical Center, 6900 North Pecos Road, North Las Vegas, NV; Attention Sign Team
- B. Installation of Interior Signs Not In Contract

3.03 MESSAGE SCHEDULES

- A. To follow upon contract award. Completed and prepared by owner;
- B. Messages provided in excel format (.xls), no re-keying allowed

- C. Provide scaled image of each interior sign as an Adobe Acrobat PDF file without re-keying the messages from the message schedule in construction documents for customer review, amendment and/or approval. The scaled image will have correct typeface, copy size, Braille translation, sign sizes and layout as provided in the Design Intent Drawings. The final approved electronic files must be used for manufacturing without re-keying.
- D. Evidence of manufacturer's computerized data retrieval program for tracking of project for sign typography, message strip requirements and other pertinent data from schedule input to final computerized typography on finished product.

3.04

- A. **Submit a binder to client including:**
 - 1. Sign Drawings
 - 2. Copy of Original Order
 - 3. Reorder Contact Name & Number
 - 4. Warranty Information
 - 5. Cleaning Instructions