

SECTION 101426 – INTERIOR SIGNAGE

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
1. Panel signs.
 2. Room-identification signs.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- C. Shop Drawings:
1. Include fabrication and installation details and attachments to other work.
 2. Show sign mounting heights, locations of supplementary supports to be provided by others, and accessories.
 3. Show message list, typestyles, graphic elements, including raised characters and Braille, and layout for each sign.
 4. Show locations of electrical service connections.
 5. Include diagrams for power, signal, and control wiring.
- D. Samples: For each exposed product and for each color and texture specified.
- E. Sign Schedule: Use same designations **indicated on Drawing I620 "Signage Floor Plan" in Signage Schedule.**

1.3 INFORMATIONAL SUBMITTALS

- A. Sample warranty.

1.4 CLOSEOUT SUBMITTALS

- A. Maintenance data.
- B. Executed warranty as indicated below.

1.5 WARRANTY

- A. The Signage Contractor, by commencing the work of the project, assumes overall responsibility, as a part of his warranty of the work, to assure that all assembled components and parts shown or required within the work of this project comply with the contract documents. The Signage Contractor shall further warrant:

1. That all components specified, or required, to satisfactorily complete the installation, are compatible with each other and with the conditions of installation and expected use;
 2. The overall effective integration and correctness of individual parts and the whole of the system;
 3. Compatibility with adjoining substrate, materials and work by other trades;
 4. There shall be no premature material failure due to improper design or fabrication of the system. All materials shall fully perform to their normal life expectancy.
 5. Upon final completion, the Signage Contractor will warrant all work and materials to be in full and complete accordance with the contract documents and agreement between Owner and Signage Contractor, and requirements appertaining thereto; that all work and materials are free from any and all defects and imperfections, and fully meet the manufacturer's published performance criteria for the use and purposes for which each and every part is specified.
 6. The Signage Contractor also agrees that, should any defect develop or appear, which the Graphic Designer and/or Owner finds was not caused by improper use, the Signage Contractor shall promptly, upon demand, fully correct, substitute and make good any such defective material without any cost to the Owner and will save the Owner harmless against any claim, demand, loss or damage by reason of any breach of this warranty.
 7. The period of this warranty shall commence on the date on which the Signage Contractor has met all Final Completion requirements. The period of said warranty shall last twelve (12) months unless otherwise specified.
- B. All paints used must retain a minimum 10-year warranty for interior signage. This includes no cracking, flaking, and fading.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. **Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design sign structure and anchorage for all**

1. Ceiling Hung Signage

- B. Accessibility Standard: Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines for Buildings and Facilities and ICC/ANSI A117.1 for signs.

2.2 SIGNS

- A. Acceptable manufacturers: the following is a list of acceptable manufacturers:
1. **Architectural Signing, Katie Beck (770)448-2026 ext. 1430 or Karen Schwartz (678)849-4988.**
 2. **Henry Graphics, Shannon Henry (770) 932-3222 or (404) 403-2200**

3. Option Signs Patti Huxford (770) 569-5871
4. Parallax Digital Studios Inc., (770) 654-4006/ (770) 874-8500, x 153
5. Pinnacle 33 Signage Solutions, LLC
2594 Flat Shoals Road S.E.
Conyers, GA 30013
Denise Butler
O. (404) 254-5537
M. (706) 654-4006
E. denise.butler@Pinnacle33.com
6. 360 Creative Solutions Group LLC
3939 Royal Drive NW Suite 210
Kennesaw, GA 30144
Shawna Hamilton
(678) 402-8084
shawna@360csg.com
7. 41 South Creative dba ABC Sign Group LLC
1349 Old 41 Highway NW #135
Marietta, GA 30060
Corinne Ramirez
(470) 505-9009
8. Other manufacturers desiring approval comply with front-end document on alternate approval process prior to Bid.

- B. Panel Sign, **as indicated on drawings**: Sign with smooth, uniform surfaces; with message and characters having uniform faces, sharp corners, and precisely formed lines and profiles; and as follows:
1. Solid-Sheet Sign Returns, and Back: Stainless-steel sheet with finish specified in "Surface Finish and Applied Graphics" Subparagraph below and as follows:
 - a. Etched, laser cut and/or Filled Graphics: Sign face etched, laser cut or routed. Infills to receive enamel-paint infill- **as indicated on drawings**.
 2. Sign-Panel Perimeter: Finish edges smooth.
 - a. Edge Condition: Square cut.
 - b. Corner Condition in Elevation: Square.
 3. Mounting:
 - a. Suspended with concealed anchors.
 - b. Surface mounted to wall with concealed anchors.
- C. Room-Identification Sign, **as indicated on drawings**: Sign with smooth, uniform surfaces; with message and characters having uniform faces, sharp corners, and precisely formed lines and profiles; and as follows:
1. Laminated-Sheet Sign: Aluminum face sheet with raised graphics laminated over a plastic laminate sheet applied to an acrylic backing sheet to produce composite sheet.

- a. Composite-Sheet Thickness: As indicated.
 - b. Surface-Applied Graphics: Applied vinyl film.
 - c. Cut-out graphics: To view laminate below, as indicated on **Drawings**.
 - d. Color(s): As indicated.
2. Sign-Panel Perimeter: Finish edges smooth.
 - a. Edge Condition: Square cut.
 - b. Corner Condition in Elevation: Square.
 3. Mounting: Manufacturer's standard method for substrates indicated, Surface mounted to wall.
 - a. Glass mounted as indicated.
 - b. Gypsum Board surfaces.
- C. Overhead Room-Identification Sign, **as indicated on Drawings**: Sign with smooth, uniform surfaces; with message and characters having uniform faces, sharp corners, and precisely formed lines and profiles; and as follows:
1. Fabricated Letters on base plate: Stainless steel fabricated letters as indicated per drawings.
 2. Sign-Panel Perimeter: Finish edges smooth.
 - a. Edge Condition: Square cut.
 - b. Corner Condition in Elevation: Square.
 3. Mounting: Manufacturer's standard method for substrates indicated, Mounted to top of suspended ceiling element.
- D. Adhesive backed Sheet Vinyl, **as indicated on Drawings**: Sign with smooth, uniform surfaces; with message and characters having uniform faces, sharp corners, and precisely formed lines and profiles; and as follows:
1. Mounting: Adhesive backed applied to doors.
 - a. Center on door or directly above push bar.
- 2.3 PANEL-SIGN MATERIALS
- A. Stainless-Steel Sheet: Type 304, 2B Mill finish, dull.
 - B. Aluminum sheet- Etched face design to match **Chemetal #914** Cross Hatch Aluminum (submit options for selection and approval).
 - C. Acrylic Sheet: ASTM D 4802, Type UVF (UV filtering).

- D. Vinyl Film: UV-resistant vinyl film of nominal thickness indicated, with pressure-sensitive, permanent adhesive on back; die cut to form characters or images as indicated and suitable for exterior applications.
- E. Woodwork Fabrication: Strictly comply with AWI standards and approved shop drawings. Provide work matching shapes, profiles and sizes indicated. Scribe work to fit with hair line accuracy. Miter and cope all wood joints and moldings. Securely fasten work to substrates, framing and blocking with concealed fasteners. When face fasteners are unavoidable, countersink fasteners and fill holes flush to be not noticeable after finishing. Conceal all seams in exterior panels with wood trim.

2.4 ACCESSORIES

- A. Fasteners and Anchors: Manufacturer's standard as required for secure anchorage of signage, noncorrosive and compatible with each material joined, and complying with the following:
 - 1. Use concealed fasteners and anchors unless indicated to be exposed.
 - 2. Exposed Metal-Fastener Components, General:
 - a. Fabricated from same basic metal and finish of fastened metal unless otherwise indicated.
 - 3. Sign Mounting Fasteners:
 - a. Concealed Studs: Concealed (blind), threaded studs welded or brazed to back of sign material or screwed into back of sign assembly, unless otherwise indicated.
 - b. Projecting Studs: Threaded studs with sleeve spacer, welded or brazed to back of sign material or screwed into back of sign assembly, unless otherwise indicated.
 - c. Through Fasteners: Exposed metal fasteners matching sign finish, with type of head indicated, installed in predrilled holes.
- B. Adhesive: As recommended by sign manufacturer.
- C. Two-Face Tape: Manufacturer's standard high-bond, foam-core tape, 1.14 mm thick, with adhesive on both sides.
- D. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D 1187.

2.5 FABRICATION

- A. General: Provide manufacturer's standard sign assemblies according to requirements indicated.
 - 1. Mill joints to a tight, hairline fit. Form assemblies and joints exposed to weather to resist water penetration and retention.
 - 2. Provide welds and brazes behind finished surfaces without distorting or discoloring exposed side. Clean exposed welded and brazed connections of flux, and dress exposed and contact surfaces.

- a. All welding procedures shall conform to applicable AWS specifications.
 - b. All welds shall develop capacity of members being joined unless specified length or extent is noted on the drawings.
 - c. Type of alloy filler metal and electrodes to be that which is recommended by producer of the metal to be welded, and as required for color match, strength, and compatibility in the fabricated items.
 3. Conceal connections if possible; otherwise, locate connections where they are inconspicuous.
 4. Internally brace signs for stability and for securing fasteners.
 5. Provide rebates, lugs, and brackets necessary to assemble components and to attach to existing work. Drill and tap for required fasteners. Use concealed fasteners where possible; use exposed fasteners that match sign finish.
- B. Surface-Engraved Graphics: Machine engrave characters and other graphic devices into panel surface indicated to produce precisely formed copy, incised to uniform depth.
1. Engraved Metal: Fill engraved graphics with manufacturer's standard baked enamel.
 2. Engraved Opaque Acrylic Sheet: Fill engraved graphics with manufacturer's standard enamel.
 3. Face-Engraved Clear Acrylic Sheet: Fill engraved copy with manufacturer's standard enamel. Apply manufacturer's standard opaque background color coating to back face of acrylic sheet.
 4. Engraved Plastic Laminate: Engrave through exposed face ply of plastic-laminate sheet to expose contrasting core ply.
- C. Subsurface-Applied Graphics: Apply graphics to back face of clear face-sheet material to produce precisely formed image. Image shall be free of rough edges.
- D. Shop- and Subsurface-Applied Vinyl: Align vinyl film in final position and apply to surface. Firmly press film from the middle outward to obtain good bond without blisters or fishmouths.
- E. Brackets: Fabricate brackets, fittings, and hardware for bracket-mounted signs to suit sign construction and mounting conditions indicated. Modify manufacturer's standard brackets as required.
1. Aluminum Brackets: Factory finish brackets with baked-enamel or powder-coat finish as specified color unless otherwise indicated.
 2. Stainless-Steel Brackets: Factory finish brackets with No. 4 finish unless otherwise indicated.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. General: Install signs using mounting methods indicated and according to manufacturer's written instructions.

1. Install signs level, plumb, true to line, and at locations and heights indicated, with sign surfaces free of distortion and other defects in appearance.
2. Install signs so they do not protrude or obstruct according to the accessibility standard.
3. Before installation, verify that sign surfaces are clean and free of materials or debris that would impair installation.
4. Corrosion Protection: Coat concealed surfaces of exterior aluminum in contact with grout, concrete, masonry, wood, or dissimilar metals, with a heavy coat of bituminous paint.

B. Mounting Methods:

1. Concealed Studs: Using a template, drill holes in substrate aligning with studs on back of sign. Remove loose debris from hole and substrate surface.
 - a. Masonry Substrates: Fill holes with adhesive. Leave recess space in hole for displaced adhesive. Place sign in position and push until flush to surface, embedding studs in holes. Temporarily support sign in position until adhesive fully sets.
 - b. Thin or Hollow Surfaces: Place sign in position and flush to surface, install washers and nuts on studs projecting through opposite side of surface, and tighten.
2. Projecting Studs: Using a template, drill holes in substrate aligning with studs on back of sign. Remove loose debris from hole and substrate surface.
 - a. Masonry Substrates: Fill holes with adhesive. Leave recess space in hole for displaced adhesive. Place spacers on studs, place sign in position, and push until spacers are pinched between sign and substrate, embedding the stud ends in holes. Temporarily support sign in position until adhesive fully sets.
 - b. Thin or Hollow Surfaces: Place spacers on studs, place sign in position with spacers pinched between sign and substrate, and install washers and nuts on stud ends projecting through opposite side of surface, and tighten.
3. Through Fasteners: Drill holes in substrate using predrilled holes in sign as template. Countersink holes in sign if required. Place sign in position and flush to surface. Install through fasteners and tighten.
4. Brackets: Remove loose debris from substrate surface and install backbar or bracket supports in position so that signage is correctly located and aligned.
5. Adhesive: Clean bond-breaking materials from substrate surface and remove loose debris. Apply linear beads or spots of adhesive symmetrically to back of sign and of suitable quantity to support weight of sign after cure without slippage. Keep adhesive away from edges to prevent adhesive extrusion as sign is applied and to prevent visibility of cured adhesive at sign edges. Place sign in position, and push to engage adhesive. Temporarily support sign in position until adhesive fully sets.
6. Two-Face Tape: Clean bond-breaking materials from substrate surface and remove loose debris. Apply tape strips symmetrically to back of sign and of suitable quantity to support weight of sign without slippage. Keep strips away from edges to prevent visibility at sign edges. Place sign in position, and push to engage tape adhesive.

- C. Remove temporary protective coverings and strippable films as signs are installed.

END OF SECTION 101426