

# Creative Sign Designs

## SECTION 10440

### INTERIOR SIGNAGE

#### Clarity Studio 1

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**NOTE TO SPECIFIER \*\* Creative Sign Designs; Interior Signage.**

This section is based on the products manufactured Creative Sign Designs, which is located at:

12801 Commodity Place

Tampa, FL 33626

Tel: (800) 804.4809

Tel: (813) 818.7100

Fax: (813) 818.7200

Email: [sales@creativesigndesigns.com](mailto:sales@creativesigndesigns.com)

Website: [www.creativesigndesigns.com](http://www.creativesigndesigns.com)

With a consultative approach to architectural signage, Creative Sign Designs specializes in guiding people in and around places. Whether it's guiding you through the design of a project and the selection of materials or guiding the end user to, through and around the space, we are guiding every step of the way. As a custom sign fabricator, we believe a successful program involves more than just investing in first-rate products. It requires meticulous planning and execution for the end result to be functional, cost efficient and compliant with pertinent regulations, such as the Americans with Disabilities Act (ADA). With over a quarter century of experience in the sign industry, Creative Sign Designs has the know how to successfully complete projects for clients in any industry, anywhere.

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

**\*\* NOTE TO SPECIFIER \*\* Remove items below not required for project.**

- A. Room Identification.
- B. Stairs.
- C. Restroom.
- D. Elevator Lobby.
- E. Informational Signage.
- F. Directory Signage.

##### 1.2 RELATED SECTIONS

**\*\* NOTE TO SPECIFIER \*\* Remove any sections below not relevant to this project; add others as required.**

- A. Section 10410 - Directories.
- B. Section 10420 - Plaques.
- C. Section 10430 - Exterior Signage.

### 1.3 REFERENCES

- A. [ANSI 117.1 – For Buildings and Facilities](#)
- B. [ASTM International \(ASTM\) D635](#) - Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position.
- C. [ASTM International \(ASTM\) E84](#) - Standard Test Method for Surface Burning Characteristics of Building Materials.
- D. [ASTM International \(ASTM\) D1929](#) - Standard Test Method for Determining Ignition Temperature of Plastics.
- E. [Underwriters Laboratories \(UL\) 94](#) - Tests for Flammability of Plastic Materials for Parts in Devices and Appliances.
- F. [Underwriters Laboratories \(UL\) 723](#) - Standard for Test for Surface Burning Characteristics of Building Materials.
- G. [ASTM E2072-04](#) - Standard Specification for Photoluminescent (Phosphorescent) Safety Marking.
- H. [ASTM E2073-02](#) - Standard Test Method for Photopic Luminance of Photo Luminescent (Phosphorescent) Markings.

### 1.4 PERFORMANCE REQUIREMENTS

- A. Provide photopolymer signage that conforms to the requirements of all regulatory agencies holding jurisdiction and the quality control of CSD.

**\*\* NOTE TO SPECIFIER \*\* Retain the next paragraph only if glow in the dark signage is specified.**

- B. Provide glow in the dark, photo luminescent material that complies with applicable provisions of ASTM E 2073-02 and DIN 67510. Photo luminescent material must have up to eight hours of luminance.

**\*\* NOTE TO SPECIFIER \*\* Remove the next paragraph if ADA conformance is not required.**

- C. Requirements:
  - 1. Comply with all applicable provisions of the ADA and ANSI A117.1-1998.
  - 2. Character Proportion: Letters and numbers on signs must have a width-to-height ratio between 3:5 and 1:1 and a stroke width-to-height ratio between 1:5 and 1:10.
  - 3. Color Contrast: Characters and symbols must contrast with their background - either light characters on a dark background or dark characters on a light background.
  - 4. Raised Characters or Symbols: Letters and numbers on signs must be raised 1/32 in (0.8 mm) minimum and be sans serif characters. Raised characters or symbols must be at least 5/8 in (16 mm) high but no higher than 2 in (50 mm).

- Symbols or pictograms on signs must be raised 1/32 in (0.8 mm) minimum.
5. Symbols of Accessibility: Accessible facilities required to be identified must use the international symbol of accessibility.
  6. Braille: Grade II with accompanying text.

D. Fire Performance Characteristics:

1. Provide photopolymer signage with surface burning characteristics that consist of a flame spread of 75 and a smoke development of 120 when tested in accordance to UL 723 (ASTM E 84).
2. Self-Extinguishing: Provide photopolymer signage with a CC1 classification for .060 in thick material when tested in accordance with the procedures in ASTM D 635, Standard Test Method for Rate of Burning and/or Extent and Time of Burning Plastics in a Horizontal Position.
3. Vertical Burn: Provide photopolymer material that is classified as 94V-2 for material .118 in thick or greater and 94HB for material .118 in thick or less when tested in accordance with UL 94, Tests for Flammability of Plastic Materials for Parts in Devices and Appliances.
4. Self-Ignition Temperature: Provide photopolymer material that has a self-ignition temperature of 800 ° F (427 ° C) when tested in accordance with ASTM D 1929.

## 1.5 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used including:
  1. Preparation instructions and recommendations.
  2. Storage and handling requirements and recommendations.
  3. Installation methods.
- C. Shop Drawings: Detail drawings showing sizes, lettering and graphics, construction details of each type of sign and mounting details with appropriate fasteners for specific project substrates.

**\*\* NOTE TO SPECIFIER \*\* Remove selection samples if colors already have been selected.**

- D. Selection Samples: For each finish product specified, two sets of color sheets representing manufacturer's full range of available colors and patterns.
- E. Verification Samples: For each sign type and color specified, two samples, minimum size 6 in (150 mm) square, representing actual product, color and patterns.
- F. Manufacturer's Installation Instructions: Printed installation instructions for each signage system.
- G. Message Schedule: Signage report indicating signage location, text and sign type.

## 1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials in unopened factory packaging.
- B. Inspect materials at delivery to verify there are no defects or damage.
- C. Store products in manufacturer's original packaging until ready for installation in climate controlled location away from direct sunlight.
- D. Store and dispose of solvent-based materials, and materials used with solvent-based materials in accordance with requirements of local authorities having jurisdiction.

## 1.7 PROJECT CONDITIONS

- A. Install products in an interior climate controlled environment.
- B. Maintain environmental conditions (temperature, humidity and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

## 1.8 WARRANTY

- A. At project closeout, provide to the Owner or Owner's representative a copy of the manufacturer's standard limited warranty against manufacturing defect outlining the terms, conditions and exclusions from coverage.
  - 1. Duration: One (1) year.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Creative Sign Designs, 12801 Commodity Place, Tampa, FL 33626; Toll Free Tel: 800.804.4809; Tel: 813.818.7200; e-mail: [info@creativesigndesigns.com](mailto:info@creativesigndesigns.com); website: [www.creativesigndesigns.com](http://www.creativesigndesigns.com)
- B. Substitutions: Not permitted unless bidder obtains approval from the Architect and/or Owner to bid alternates or substitutions to the specifications at least four weeks prior to bid date.
- C. Provide all signage from one manufacturer.

### 2.2 SIGNAGE – GENERAL

**\*\* NOTE TO SPECIFIER \*\* Remove products from the list below that are not required. The signage in this specification is manufactured using the photopolymer process. The specific photopolymer used in the manufacture of signage from CSD is manufactured by Nova Polymers and incorporates the use of the Novacryl product line. Novacryl is photopolymer integrally bonded to a Polyethylene Terephthalate Glycol (PETG) base. All materials must have a topcoat of acrylic polyurethane to ensure protection from cleaning agents, UV and moisture. Novacryl is fire rated for use in applications where fire hazard classification is required.**

- A. It is the intent of these specifications to establish a sign standard for the Owner including but not limited to primary and secondary directories, wall-mounted directional signs, primary room identification, restrooms, conference rooms, work station identification and all code compliant signage. While the Owner may not obtain all signs and sign types, the signage contractor shall design and submit approval drawings for all sign types relevant to the project.
- B. Comply with all applicable provisions of the ADAAG and ANSI A117.1 codes that apply to the State and Local jurisdiction of the project.
- C. If required text and graphics are not indicated in specification or on drawings, obtain Owner's instructions as to text and graphics prior to preparation of shop drawings.
- D. Typography: See Drawings. Copy shall be a clean and accurate reproduction of typeface(s) specified. Upper and lower case and all caps as indicated in Sign Type drawings and Signage Schedule. Letter spacing to be set by manufacturer.
- E. Arrows, symbols and pictograms will be provided in style, sizes, colors and spacing as indicated in drawings for each sign system.

**\*\* NOTE TO SPECIFIER \*\* Remove all but one of the following.**

- F. Braille
1. Grade 2 Braille
  2. California Braille

**\*\* NOTE TO SPECIFIER \*\* Remove all but one of the following four placements. If more than one is required, indicate clearly where each will be applied.**

1. Text/Graphics Placement: Right justified.
2. Text/Graphics Placement: Centered.
3. Text/Graphics Placement: Left justified.
4. Text/Graphics Placement: As indicated on contract drawings.

**\*\* NOTE TO SPECIFIER \*\* Remove all but one of the following 4 font options. If more than one is required, indicate clearly where each will be applied.**

5. Font: As Indicated on the Contract Drawings.
6. Font: Optima Medium.
7. Font: Frutiger.
8. Font: Helvetica Bold.
9. Font: Myriad Pro.
10. Font: \_\_\_\_\_

## 2.3 IDENTIFICATION SIGNAGE

- A. System: Clarity: Studio 1.

**\*\* NOTE TO SPECIFIER \*\* Make one selection from sections B-F and one selection from section C. If making more than one selection per section, please be specific. Remove what is not needed.**

- B. ADA Plate Color Selection
1. Red 101
  2. Burgundy 102
  3. TERRA COTTA 103
  4. Yellow 104
  5. Green 105
  6. Pine 106
  7. Forest Green 107
  8. Island Blue 108
  9. Blue 109
  10. Royal Blue 110
  11. Union Blue 111
  12. Shadow Blue 112
  13. Ivory 113
  14. Sand 114
  15. Beige 115
  16. Ash 116
  17. Off-White 117
  18. Bright White 118
  19. Birch Grey 119
  20. Medium Grey 120
  21. Dark Grey 121
  22. Charcoal 122
  23. Taupe 123
  24. Stone 124
  25. Mink 125
  26. Dark Brown 126
  27. Black 127

28. Gold 128
29. Silver 129
30. Graphite 130
31. LAM-Biltmore Cherry
32. LAM-Brighton Walnut
33. LAM-Cocobala
34. LAM-Kensington Maple
35. LAM-Monticello Maple
36. ECO-Aqua
37. ECO-Banana Fiber Lite
38. ECO-Bear Grass Lite
39. ECO-Bronze Weave
40. ECO-Fossil Leaf
41. Color: \_\_\_\_\_

C. ADA Plate Gauge Selection

1. 1/8"
2. 1/4"
3. Other: \_\_\_\_\_

D. ADA Raised Copy Color Selection

1. Black
2. White
3. Gold 1255
4. Grey 430
5. Metallic silver 877
6. Tan 7501
7. Brown 7518
8. Color: \_\_\_\_\_

E. ADA Font Choices

1. Font: As Indicated on the Contract Drawings.
2. Font: Optima Medium.
3. Font: Frutger.
4. Font: Helvetica Bold.
5. Font: Myriad Pro.
6. Font: \_\_\_\_\_

F. Corner Finishes

1. Square
2. Round
3. Scallop
4. Bevel

**\*\* NOTE TO SPECIFIER \*\* Select the required sizes and quantities in this section. Remove what is not needed. Each line of copy has up to 14 characters per line (5/8" copy).**

G. Sign Type – Standard Room ID

1. R.0 - Room ID - Small
  - a. Size: 2.5" x 5.5"
  - b. Qty: \_\_\_\_\_
2. R.1 - Room ID – 1 Line
  - a. Size: 2.5" x 8.5"
  - b. Qty: \_\_\_\_\_
3. R.2 - Room ID – 2 Line
  - a. Size: 3.5" x 8.5"

- b. Qty: \_\_\_\_\_
- 4. R.3 - Room ID – 3 Line
  - a. Size: 5.5" x 8.5"
  - b. Qty: \_\_\_\_\_
- 5. CR - Conference Room – 3 Line (In Use/Vacant Slider)
  - a. Size: 7.5" x 8.5"
  - b. Qty: \_\_\_\_\_
- 6. RIN.0 - Room ID – Small Insert (Insert Size: 8.5"x3")
  - a. Size: 6.5" x 8.5"
  - b. Qty: \_\_\_\_\_
- 7. RIN.1 - Room ID – Large Insert (Insert Size: 8.5"x5.5")
  - a. Size: 9" x 8.5"
  - b. Qty: \_\_\_\_\_

**\*\* NOTE TO SPECIFIER \*\* Select the required sizes and quantities in this section. Remove what is not needed. Note the pictograms are 6"x6" with one line of copy. Each line of copy has up to 14 characters per line (5/8" copy).**

H. Sign Type – Room ID (Code Required Signage)

- 1. RR-M - Men
  - a. Size: 9" x 9"
  - b. Qty: \_\_\_\_\_
- 2. RR-W - Women
  - a. Size: 9" x 9"
  - b. Qty: \_\_\_\_\_
- 3. RR-U - Unisex
  - a. Size: 9" x 9"
  - b. Qty: \_\_\_\_\_
- 4. RR-MA - Men / Accessible
  - a. Size: 9" x 9"
  - b. Qty: \_\_\_\_\_
- 5. RR-WA - Women / Accessible
  - a. Size: 9" x 9"
  - b. Qty: \_\_\_\_\_
- 6. RR-UA - Unisex / Accessible
  - a. Size: 9" x 9"
  - b. Qty: \_\_\_\_\_
- 7. S - Stairwell
  - a. Size: 9" x 9"
  - b. Qty: \_\_\_\_\_
- 8. P – Misc. Pictogram
  - a. Size: 9" x 9"
  - b. Qty: \_\_\_\_\_

**\*\* NOTE TO SPECIFIER \*\* Select the required sizes and quantities in this section. All artwork for E.2P and E.4P Evacuation Maps are to be provided by client or architect. Remove what is not needed.**

I. Sign Type – Life Safety Signage (Code Required Signage)

1. EXIT – Exit - Up to 10 Character with 5/8" Copy
  - a. Size: 2.5" x 5.5"
  - b. Qty: \_\_\_\_\_
2. LS-MO - Informational – Up to 14 Characters Per Line with 5/8" Copy
  - a. Size: 5.5" x 8.5"
  - b. Qty: \_\_\_\_\_
3. LS-F - Fire Extinguisher - Up to 14 Characters Per Line with 5/8" Copy
  - a. Size: 5.5" x 8.5"
  - b. Qty: \_\_\_\_\_
4. LS-S - In Case of Fire - Up to 14 Characters Per Line with 5/8" Copy
  - a. Size: 9" x 9"
  - b. Qty: \_\_\_\_\_
5. L - Level Indicator
  - a. Size: 14" x 12"
  - b. Qty: \_\_\_\_\_
6. E.2P - Evacuation Map (Insert Size: 8.5"x11")
  - a. Size: 14.5" x 8.5"
  - b. Qty: \_\_\_\_\_
7. E.4P - Evacuation Map (Insert Size: 11"x17")
  - a. Size: 20.5" x 11"
  - b. Qty: \_\_\_\_\_

**\*\* NOTE TO SPECIFIER \*\* Select the required sizes and quantities in this section. Remove what is not needed.**

J. Sign Type – Work Station and Miscellaneous Inserts

1. IN.0 – Extra Small Inserts (Insert Size 8.5"x3")
  - a. Size: 4" x 8.5"
  - b. Qty: \_\_\_\_\_
2. IN.1L – Small Landscape Insert (Insert Size: 8.5"x5.5")
  - a. Size: 6.5" x 8.5"
  - b. Qty: \_\_\_\_\_
3. N.2L – Letter Landscape Inserts (Insert Size: 8.5"x11")
  - a. Size: 9.5" x 11"
  - b. Qty: \_\_\_\_\_
4. IN.3L – Legal Landscape Insert (Insert Size: 8.5"x14")
  - a. Size: 9.5" x 14"
  - b. Qty: \_\_\_\_\_
5. IN.4L – Tabloid Landscape Insert (Insert Size: 11"x17")
  - a. Size: 12" x 17"
  - b. Qty: \_\_\_\_\_
6. IN.1P - Small Portrait Insert (Insert Size: 8.5"x5.5")
  - a. Size: 9.5" x 5.5"
  - b. Qty: \_\_\_\_\_
7. IN.2P - Letter Portrait Insert (Insert Size: 8.5"x11")



- a. Size: 12" x 8.5"
  - b. Qty: \_\_\_\_\_
- 8. IN.3P – Legal Portrait Insert (Insert Size: 8.5"x14")
  - a. Size: 15" x 8.5"
  - b. Qty: \_\_\_\_\_
- 9. IN.4P – Tabloid Portrait Insert (Insert Size: 11"x17")
  - a. Size: 18" x 11"
  - b. Qty: \_\_\_\_\_

**\*\* NOTE TO SPECIFIER \*\* Select the required sizes and quantities in this section. Remove what is not needed.**

- K. Sign Type – Wall Directionals
  - 1. WD.2P-1 - Single Insert Directory - 1 Slot with 5/8" Copy (Insert Size: 8.5"x11")
    - a. Size: 14.5" x 8.5"
    - b. Qty: \_\_\_\_\_
  - 2. WD.2P-5 - Single Insert Directory – 5 Slots with 5/8" Copy (Insert Size: 8.5"x2")
    - a. Size: 14.5" x 8.5"
    - b. Qty: \_\_\_\_\_
  - 3. WD.2P-9 - Single Insert Directory - 9 Slots with 5/8" Copy (Insert Size: 8.5"x1")
    - a. Size: 14" x 8.5"
    - b. Qty: \_\_\_\_\_
  - 4. WD.4P-1 - Single Insert Directory - 1Slot with 1" Copy (Insert Size: 11"x17")
    - a. Size: 20.5" x 11"
    - b. Qty: \_\_\_\_\_
  - 5. WD.4P-9 - Single Insert Directory - 9 Slots with 5/8" Copy (Insert Size: 11"x7.5")
    - a. Size: 20.5" x 11"
    - b. Qty: \_\_\_\_\_

**\*\* NOTE TO SPECIFIER \*\* Select the required sizes and quantities in this section. Remove what is not needed.**

- L. Sign Type – Flagmounts
  - 1. F-L - Flagmount Landscape Double Sided
    - a. Size: 5" x 15.57"
    - b. Qty: \_\_\_\_\_
  - 2. F-P - Flagmount Portrait Double Sided
    - a. Size: 5" x 16"
    - b. Qty: \_\_\_\_\_

**\*\* NOTE TO SPECIFIER \*\* Select the required sizes and quantities in this section. Remove what is not needed. There must be 80" clearance from the floor to the bottom on the signs in this section. ADA requires at least 3" copy on directionals.**

- M. Sign Type – Overhead Directionals
  - 1. OD.8-48 - Overhead Directory Standard - Double Sided with Up To 2 Lines of Copy
    - a. Size: 8" x 48"

- b. Qty: \_\_\_\_\_
- 2. OD.12-48 - Overhead Directory Standard – Double Sided with up to 3 Lines of Copy
  - a. Size: 12" x 48"
  - b. Qty: \_\_\_\_\_
- 3. OD.8-72 - Overhead Directory Large – Double Sided with up to 2 Lines of Copy
  - a. Size: 8" x 72"
  - b. Qty: \_\_\_\_\_
- 4. OD.12-72 - Overhead Directory Large – Double Sided with up to 2 Lines of Copy
  - a. Size: 12" x 72"
  - b. Qty: \_\_\_\_\_

**\*\* NOTE TO SPECIFIER \*\* Select the required sizes and quantities in this section. Remove what is not needed.**

- N. Sign Type – Directories
  - 1. D.1 - Single Insert Directory – Single Insert with 1.25" Copy (Insert Size: 22"x30")
    - a. Size: 36" x 22"
    - b. Qty: \_\_\_\_\_
  - 2. D.12- Multiple Insert Directory – 12 Slots with 1.25" Copy (Insert Size: 22"x2")
    - a. Size: 36" x 22"
    - b. Qty: \_\_\_\_\_

**\*\* NOTE TO SPECIFIER \*\* Select the required mounting method. Remove what is not needed.**

- O. Mounting
  - 1. Double face tape and silicone mount.
  - 2. Mechanical, tamper resistant fasteners.

P. EXECUTION

- 1. EXAMINATION
  - a. Verify that wall surface is dry and free from dirt, grease and loose paint.
  - b. Complete all finishing operations, including painting, before beginning installation of signage systems.
  - c. Do not begin installation until substrates have been properly prepared.
  - d. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
  - e. Examine signage for defects prior to installation. Do not install damaged signage.
- 2. PREPARATION
  - a. Verify mounting heights and locations comply with referenced standards.
  - b. Clean surfaces thoroughly prior to installation to remove dust, debris and loose particles.
  - c. Prepare surfaces using the methods recommended by the manufacturer for achieving the best results for the substrate under the project conditions.

3. INSTALLATION
  - a. Locate the signage system as indicated on drawings for the appropriate substrate and in accordance with manufacturer's installation instructions.
  - b. Install signage systems level and plumb at the height indicated on the drawings.
  - c. Mount in accordance with current ADA and state regulations.
4. CLEANING
  - a. At completion of installation, clean surfaces in accordance with manufacturer's instructions.
5. PROTECTION
  - a. Protect installed products until completion of project.
  - b. Touch up, repair or replace damaged products before substantial completion.

END OF SECTION