SECTION 10 14 00 – NON-ILLUMINATED INTERIOR DISPLAY SYSTEM

FullView Display System – includes concealed pin lock device to secure a clear cover and/or sign insert material into the frame. Vandal resistant.

PART 1 - GENERAL

1.01   SUMMARY

A.   Unit prices: Provide installed unit price for each type unit in designed system for extra possible required signage.

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.   ANSI A117.1: Providing Accessibility and Useability for Physically Handicap People, 1986 edition.

1.04   DEFINITIONS

A.   Terms:
1.   Braille: Grade 2 Braille including 189 part-word or whole word contractions in addition to Grade 1 Braille 63 characters. Tactile is required whenever braille is required; see SYSTEM DESCRIPTION Article below.
2.   Non-tactile: Letters and numbers on signs with width-to-height ratio between 3:5 and 1:1 and stroke width ratio between 1:5 and 1:10 using upper case "X" to calculate ratios. Use typestyles with medium weight; upper and lower case lettering is permitted; serif typestyles are permitted. See SYSTEM DESCRIPTION Article below.
3.   Symbols: Symbol itself is not required to be tactile but equivalent verbal description is required both in tactile letters and braille.
4.   Tactile: 1/32" raised capital letters without serifs at least 5/8" height and not more than 2" height based on upper case "X". Braille is required whenever tactile is required; see SYSTEM DESCRIPTION Article below.

1.05   SYSTEM DESCRIPTION

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

B.   ADA Design Requirements:
1.   Signage requiring tactile graphics:
a.   Wall mounted signs designating permanent rooms and spaces such as, room numbers and restroom, department, office, and fire exit identifications.
b.   Individually applied characters are prohibited.

C.	ADA performance requirements:
1.	Tactile graphics signs mounting requirements:
a.	Single doors: Mount 60" to sign centerline above finish floor and on wall adjacent to latch side of door.
b.	Openings: Mount 60" to sign centerline above finish floor adjacent opening.
c.	No wall space adjacent latch side of door, opening, or double doors: Mount 60" to sign centerline above finish floor on nearest adjacent wall.

1.06	SUBMITTALS

A.	Product data:
1.	Manufacturer's signed statement regarding compliance with QUALITY ASSURANCE Article.
2.	Manufacturer's product literature indicating units and 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, sizes, configurations, and applicable substrate mountings.
2.	Signage schedule complete with location of each sign and required copy; include floor plans, if required.

C.	Samples: Full size samples for holder, insert, and copy in colors specified. Provide sample in small size sign. Samples will not be returned for use in Project.

MANUFACTURER HAS AVAILABLE SOFTWARE PROGRAM FOR PERSONAL COMUPTERS - PC, CALLED "SIGNWORD PRO" ENABLING END USER TO PRODUCE GRAPHICS ON INSERT OR SIGN FACE.

D.	Contract close out:
1.	Furnish appropriate checklist for aiding in reordering after Date of Substantial Completion.
2.	Maintenance data and cleaning requirements for exterior surfaces.
3.	Furnish one complete SignWord software package Windows 3.0 or Windows 95 or later, Windows NT 4.0 or later in Owner selected format for PC type computer.
4.	Furnish SignWord Color paper system.

1.07	QUALITY ASSURANCE

A.	Qualifications:

1.	Manufacturer:
a.	Work required under this section from manufacturers regularly engaged in work of this magnitude and scope for minimum of five years.
b.	Maintain computer link between schedule input and computerized typography production.

1.08	DELIVERY, STORAGE, AND HANDLING

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

1.09	SEQUENCING AND SCHEDULING

A.	Schedule system installation after related finishes have been completed.

PART 2 - PRODUCTS

2.01   MANUFACTURED UNITS

A.   Acceptable product:
1.   APCO; FullView Display System; 17 Jennycliffe Lane, St. Louis, MO 63005. Sandy Ellis
       636.386.8087, fax 636.386.8806. sellis@apcosigns.com

1.   **Standard Assembly**
Combination of extruded aluminum components, composite aluminum sheet and injection molded components, creating modular signs with a special, concealed pin lock device to secure a clear cover and/or sign insert material into the frame. Possible sign insert/display combinations include:

- Non-Glare Acrylic Lens with Subsurface Paper Insert / Digitial Output Display
- ADA (Tactile/Braille) Plaques

Assembly allows for flexibility of size and configuration, providing a modular, vandal-resistant solution for signs ranging from single-insert identification signs to large directories and directional signs.

a.   Surface Mounted Signs (Wall): Attachment to wall surfaces via
       or concealed mechanical fasteners.

2.02   FullView Display Systems

A.   Modular Sign System with tamper proof locking pin for sign types: name plate, room/floor identification, directional use:
1.   **Standard Sizes (acrylic lens dimensions shown):**
       Vertical Edge Configurations - Surface Mount: (aluminum edge profiles at left/right of sign)

Sign Type A:
FVS5585(V). 5.5" height x 8.5" wide. Standard Assembly
FullView aluminum holder, Square profile,
5.5" x 8.5" Novacryl Clear ADA Photopolymer with room number tipped A01 white.
Right color band, sub surface silkscreened, color as selected. Building name masked off so paper color shows through.
(glued on letters and braille, braille strips and engraving or routing to achieve raised lettering and braille is prohibited)
Paper insert by MSU Sign Shop.
Mechanical Mounting holes.
NMS-4 Notifier bar below to hold notes. 8.5" length, natural satin finish.

Sign Type B:
FVS1185(V). 11" height x 8.5" wide. Standard Assembly
FullView aluminum holder, Square profile,
11" x 8.5" Novacryl Clear ADA Photopolymer with room number tipped A01 white.
Right color band, sub surface silkscreened, color as selected. Building name masked off so paper color shows through.
(glued on letters and braille, braille strips and engraving or routing to achieve raised lettering and braille is prohibited)
Paper insert MSU Sign Shop.

Mechanical Mounting holes.
NMS-4 Notifier bar below to hold notes. 8.5" length, natural satin finish.

Sign Type C:
FVS0806(V). 8" height x 6" wide. Standard Assembly
FullView aluminum holder, Square profile,
8" x 6" Novacryl Clear ADA Photopolymer with room name and symbols tipped A01 white.
Sub surface background color as selected.
(glued on letters and braille, braille strips and engraving or routing to achieve raised lettering and braille is prohibited)
Mechanical Mounting holes.

1. Color: Selected by Architect from manufacturer's standard NS- Natural Satin anodized (204R1)
2. Select from Edge Shapes: Square
3. Select Mounting Wall Signs: MF – Mechanical Fasteners

B. Graphics:
1. Type sizes: Selected from manufacturer's standard sizes indicated in SCHEDULES Article for particular units; meet ADA requirements for letter proportions and sizes. Clear coating on ADA bands or painted and tipped surfaces as required in Schedules Article.

(ARN) Arial Narrow

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 polyethylene. Provide special Suction Cup Removal Tool (SCT) and Locking Pin removal tool.

PART 3 - EXECUTION

3.02 INSTALLATION

A. Install signage holders in locations with mounting types indicated in accord with reviewed shop drawings. Square, plumb, and level units.

B. Install inserts not more than 48 hours prior to Date of Substantial Completion complete with correct copy in place. Conform to ADA requirements for tactile graphics signage.

3.03 CLEANING

A. Clean exposed surfaces not more than 48 hours prior to Date of Substantial Completion in accord with manufacturer's written cleaning instructions.

3.04 SCHEDULES

A. See attached sheet for Schedule.

END OF SECTION 10 14 00

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May 21, 2015