

Submittal Comments

Item No: 230553.01
(CSI No:)

Item
Descript: Pipe ID

Re: **Submittal** Comments
Cascade Science Lab Renovation
2008-046.CSL 8.3

Architecture
Engineering
Technology
Interior Design
Landscape Architecture

Wil-Fra-Mar Building
320 East Vermont Street
Indianapolis IN 46204-1640
317.263.6226
317.263.6224 (fax)
www.schmidt-arch.com

Reviewed and checked only for conformance with design concepts and with the information given in the Contract Documents. Approval does not release the Contractor from the responsibility to provide appropriate quantities, field measurements, dimensional stability, installation, anchorage, and coordination with other trades or release the Contractor from responsibility for deviations from the requirements of the Contract Documents or from responsibility for errors and omissions contained thereon.

	Not approved. Resubmit
	Approved as noted. Correct and resubmit
	Approved as noted. No resubmittal required
XX	Approved as submitted
By: Lennie Brim	
Date: May6, 2009	

Comments

Copy: File



SETON ENGRAVED SETONPLY® NAME PLATES



K.P. MEIRING CO *KPM*
 CHECKED BY: _____
 DATE CHECKED: May 13, 2009
 REVIEWED NO EXCEPTIONS: _____ **XX**
 REVIEWED WITH EXCEPTIONS: _____
 REJECTED RESUBMIT: _____
 The review is only for general conformance with design concepts given in the contract documents. Subcontractor is responsible for dimensions, quantities, coordination with other trades and performing his work in a safe manner. No change to contract requirements is intended.

- Description: Seton Engraved Setonply Name Plates are constructed of a flexible, tough, stain-resistant multi-layered acrylic.
- Use: Seton Engraved Setonply Name Plates are designed to color code control panels or switch boxes, available in eight color combinations.
- Thickness (ASTM-D1593): Total 0.060 in. (1.52mm).
- Gloss: 25 Gardner units.
- Service Temperature: -40°F to 175°F (-40°C to 80°C).
- Abrasion Resistance (Method 5306 of U.S. Federal Test Method Std. No. 191A): CS-17 Wheels, 1000 g. wts. 900 cycles color layer destroys.
- Average Outdoor User Durability: 2-3 years (Average expected outdoor life of product will depend on definition of failure, climactic conditions, mounting techniques, and material color).

SETON ENGRAVED SETONPLY® NAME PLATES

Chemical Resistance:	Reagent	7 day Immersion	Dip Test	Rub Test
	30% Sulfuric Acid	NE	NE	NE
	10% Sulfuric Acid	NE	NE	NE
	30% HCL	NE	NE	NE
	10% HCL	NE	NE	NE
	50% NaOH	NE	NE	NE
	10% NaOH	NE	NE	NE
	10% NaCL	NE	NE	NE
	Methyl Ethyl Ketone	F	F	NE
	Acetone	F	F	NE
	Methanol	F	NE	NE
	1,1,1, Trichloroethane	F	F	NE
	IPA	NE	NE	NE
	ASTM #3 Oil	NE	NE	NE
	SAE 20 Oil	NE	NE	NE
	Mineral Spirits	NE	NE	NE
	Disel Fuel	NE	NE	NE
	Heptane	NE	NE	NE
	Toluene	F	F	NE
	Alconox	NE	NE	NE
	Kerosene	NE	NE	NE
	Bleach	NE	NE	NE
	Water	NE	NE	NE

NE: No Effect

F: Failed

7 Day Immersion: Immersed in reagent for 7 days.

Dip Test: Five 10 minute dips in reagent with 30 minute recovery.

Rub Test: Rubbed sample for one minute with swab soaked in reagent.

Shelf Life: Indefinite when stored at 70°F (21°C) and 40% to 50% R. H.

SETON'S BRASS JACK CHAIN



Description: Solid brass material will not rust or corrode.

Use: Adjustable open and close links allow for varying the length of chain for each particular valve.

Specifications: 25 links per foot.

SETON ENGRAVED ANODIZED ALUMINUM TAGS



Description: Seton Engraved Anodized Aluminum Tags are processed so the color is actually part of the surface.

Use: Designed for use where high temperature exposure is a factor. Many colors available for color-coding. Two-sided engraving available.

Product Checklist and Specifications

Options:

Size/Shape: 2" Round 2" Square 1-1/2" Square

Colors:

Orange Red Yellow Olive Drab
 Black Violet Green Light Blue
 Dark Blue Gray Gold Pink

Specifications

Material: 0.032 in. (0.81mm) Anodized Aluminum.

Service Temperature: -40°F to 1400°F (-40°C to 760°C).

Top Hole Size: 3/16".

Gloss: 25 Gardner units.

SETON'S BRASS "S" HOOKS




Description: Solid brass material will not rust or corrode.

Use: Sturdy "S" hooks make it easy to attach valve tag to valve or small diameter piping.

Sizes:

Style No.	Size	For Valve Stem Diameter Up to
16197	1-1/4"	1/4"
16196	1-1/2"	3/8"
16195	1-3/4"	1/2"

SETON SETMARK® PIPE MARKERS



- Simply uncoil the marker ...it snaps into place.
- Words repeated and reversed ...use same marker to indicate flow in either direction.
- Never need to tape or band.
- Save up 50% on installation costs.
- Flow direction arrows included at no extra cost.
- Over 150 standard wordings available.
- Each Setmark Pipe Marker is made of high quality UV resistant ink and vinyl to withstand the harshest industrial environments.
- Length of color field 8" thru 32" ...letter sizes from 1/2" thru 3-1/2" ...to completely meet ANSI specs.
- Type Snap-On marker completely encircles pipe to 360° visibility.

**NO ADHESIVE NEEDED
NEVER NEED TO TAPE OR BAND**

- Description:** Seton Setmark® Pipe Markers are cylindrically coiled printed plastic sheets that snap around pipes with OD up to 5.875", flat strap-around markers are designed for pipes with OD of 6" to 10" and are fastened on to the pipes with heavy duty nylon ties. Completely meets ANSI A13.1-1996.
- Use:** Seton Setmark Pipe Markers are designed for use on dirty, rusty, wet or rough pipes, where self-adhesive labels cannot be used, designed mostly for indoor use.
- Compliance:** Seton Setmark Pipe Markers meet ANSI specification A.13.1996 for color scheme, length of field and letter height, and comply with OSHA 29 CFR1910.261.
- Standard Legend Colors:** Black or White.
- Standard Background Colors:** Blue, green, red, and yellow.
- Thickness (ASTM D 1593):** Size 8SM, 8LG, 12LG, 24 and 32: 0.020 in. (0.51mm.)
Size 12SM, 12MD: 0.030 in. (0.76 mm.)

Standard Sizes/Dimensions:

Marker Size	Fits Pipe O.D.	Length Color Field	Letter Height
8SM	.75"-1.375" (19mm-35mm)	8" (203mm)	.5" (13mm)
8LG	1.5"-2.375" (38mm-60mm)	8" (203mm)	.75" (19mm)
12SM	2.5"-3.875" (64mm-98mm)	12" (305mm)	1.25" (32mm)
12MD	4"-5.875" (102mm-149mm)	12" (305mm)	1.25" (32mm)
12LG	6"-7.875" (152mm-200mm)	12" (305mm)	1.25" (32mm)
24	8"-10" (203mm-254mm)	24" (610mm)	2.50" (64mm)
32	over 10" (over 254mm)	32" (813mm)	3.50" (89mm)

Gloss: 40 Gardner Units.

Abrasion Resistance (Method 5306 of U.S. Federal Test Method Std. No. 191A): CS-10 Wheels, 1000 g. wts. Legend withstands up to 1000 cycles.

Service Temperature: -40°F to 180°F (-40°C to 82°C).

Average Outdoor Durability: 5-8 years (Average expected outdoor life of product will depend on user definition of failure, climactic conditions, mounting techniques, and material color).

Chemical Resistance:	Reagent	7 day Immersion	Dip Test	Rub Test
	30% Sulfuric Acid	F	NE	NE
	10% Sulfuric Acid	F	NE	NE
	30% HCL	F	NE	NE
	10% HCL	F	NE	NE
	50% NaOH	F	NE	NE
	10% NaOH	F	NE	NE
	Gasoline	NE	NE	NE
	Turpentine	NE	NE	NE
	Glacial Acetic Acid	NE	NE	NE
	Conc. Ammonia	NE	NE	NE
	10% Ammonia	NE	NE	NE
	Methyl Ethyl Ketone	F	F	NE
	Acetone	F	NE	NE
	Methanol	F	NE	NE
	1,1,1, Trichloroethane	F	F	NE
	IPA (Isopropanol)	NE	NE	NE
	ASTM #3 Oil	NE	NE	NE
	SAE 20 Oil	NE	NE	NE
	Mineral Spirits	NE	NE	NE
	Disel Fuel	NE	NE	NE
	Heptane	NE	NE	NE
	Toluene	F	NE	NE
	Alconox	NE	NE	NE
	Kerosene	NE	NE	NE
	Water	NE	NE	NE

NE: No Effect F: Failed

7 Day Immersion: Immersed in reagent for 7 days.

Dip Test: Five 10 minute dips in reagent with 30 minute recovery.

Rub Test: Rubbed sample for one minute with swab soaked in reagent.

Shelf Life: Indefinite when stored at 70°F (21°C) and 40% to 50% R. H.