

ENGINEERING COMMUNIQUÉ

JAY R. SMITH MFG. CO.® ♦ June, 2011 ♦ VOLUME 1- ISSUE 7



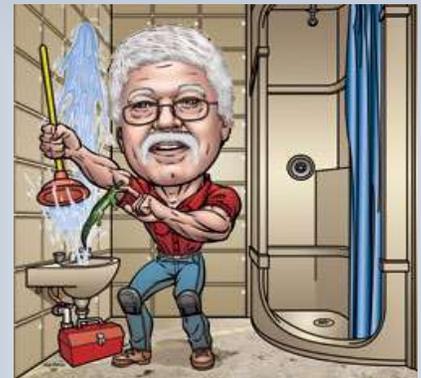
FAMILY OF COMPANIES

From:

THE SMITH ENGINEERING GROUP

PRODUCT ALERT: SQ-5-3082, Multiple Hose Station.

This multiple hose station was required at a designated area for washing automobiles in an exclusive apartment complex as a convenience to the residents. The objective was to provide multiple stations where several hoses could be attached simultaneously. The station consisted of four cold water only hydrants, one hot water hydrant and one twin-temp hydrant. These were segregated into four sections with each having a door that locks with a cylinder key. Each door opens a full 180° to the bottom. The hydrants were furnished with permanently attached wheel handles. The hydrants must have anti-backflow and anti-siphon features and be non-freeze with self draining casings. Figure number 5519 hydrants were furnished for the hot and cold hydrants. These hydrants are quarter-turn off/on with a vacuum breaker and a dual check valve conforming to ASSE 1019B and 1052. The door



PAINTING OF CAST IRON PRODUCTS:

Rust is the process where oxygen combines with iron to form metallic oxide which combines with moisture to form rust. The majority of the Smith cast iron products are regularly furnished coated with our "Duco Yellow" paint finish. The painting of cast iron products is strictly cosmetic. The paint is applied to the cast iron to provide temporary protection against oxidation. It is anticipated and expected the surface coating will eventually wear away under normal use and the newly exposed surfaces will then develop surface rust. Smith's Duco Coated cast iron products are normally used in outside and/or in unfinished areas. Therefore, the discoloration caused by surface oxidation is usually not objectionable for products used in these areas.

keys are controlled and issued to a resident upon request. The hot water hydrant is a nice feature for extra tough projects such as engines and tire wells.

This design was based upon a specific design by the owner and architect. This design can be reconfigured to accommodate specific requirements.

Please refer to the attached submittal. Contact Smith's Sales Engineering group for additional technical information.

Remember, the exposure of a cast iron surface does not affect the longevity, durability or performance of the drainage product in the same way it may affect other metals. It is normal for exposed cast iron surfaces to develop surface oxidation. This oxidation does not penetrate the inner core of the cast iron wall but is usually confined to the outer surfaces.

Therefore, cast iron plumbing & drainage products do not necessarily require special coatings to prevent rust. As a result, cast iron products for plumbing applications are still superior overall to most other plumbing materials used in the same manner.

Cast iron has proven to be durable and the earliest recorded use of cast iron pipe was about 1562 in Langensalza, Germany where it was used as a water supply line to a fountain. There is still cast iron water pipe in use today in Versailles, France supplying their famous fountains that was installed in 1664.

One manufacturer of cast iron construction and drainage products does not provide the cosmetic paint coating. They state it is their policy to provide their cast iron products unpainted since it is a cosmetic feature only.

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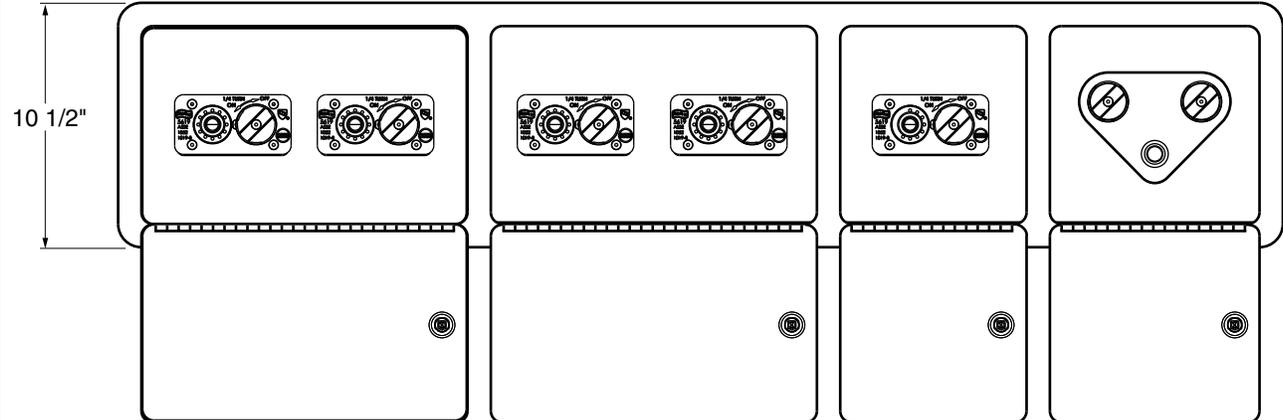
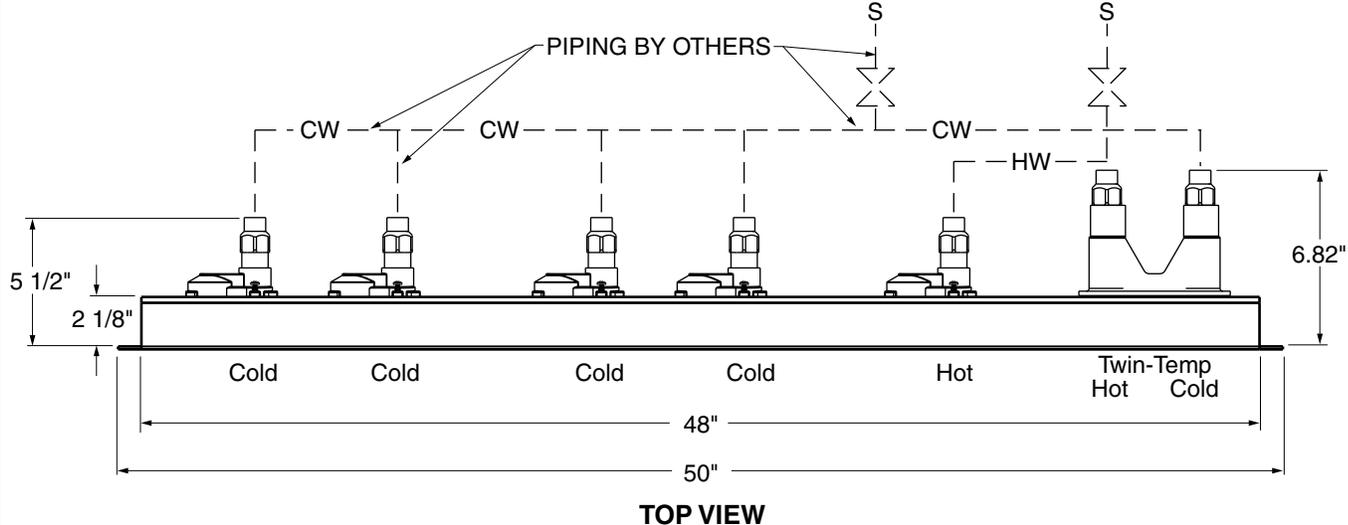


LOCATION

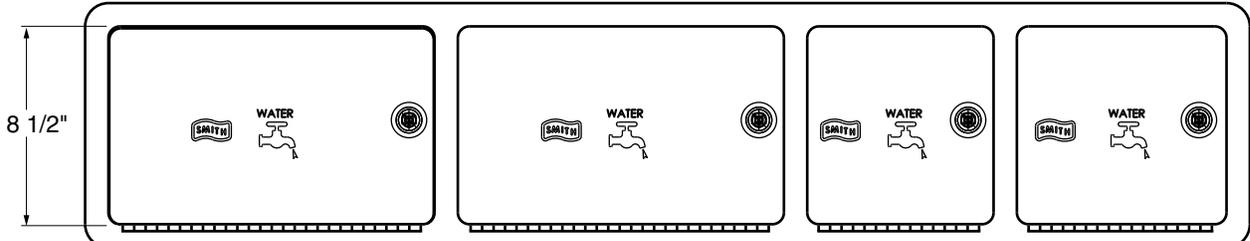
DRAWING NUMBER: SSQ-5-3082
 SIZE: A
 SCALE: NONE
 DATE: 10/02/03
 APPROVED BY: JM
 CHECKED BY: AS
 DRAWN BY: JJ
 FIGURE NUMBER: SQ-5-3082

WE CAN ASSUME NO RESPONSIBILITY FOR USE OF SUPERSEDED OR VOID DATA
 DIMENSIONS ARE SUBJECT TO MANUFACTURERS TOLERANCE AND CHANGE WITHOUT NOTICE

MULTIPLE HOSE STATION



FRONT VIEW (DOORS OPENED)



FRONT VIEW (DOORS CLOSED)

REGULARLY FURNISHED:
 Fabricated 304 Stainless Steel Hose Box with Four Compartments,
 Complete with Six Hydrants with Wheel Handles. Each Compartment
 Door shall be Provided with a Key Cylinder Lock and Keys.

NOTE: 1. The AB1953, California Lead Law, and NSF/ANSI Standard 61-2008 - Drinking Water System Components are not applicable to Jay R. Smith hydrants as they do not convey/dispense water for human consumption through drinking or cooking.
 2. Dimensions shown in parentheses are in millimeters.

REV.	DATE	DESCRIPTION	BY	CKD. BY	WEIGHT POUNDS	VOLUME CUBIC FEET	FIGURE NUMBER
A	10-8-09	Revised Notes	RN	CL			SQ-5-3082