

1.0 PIPE LABELING SPECIFICATIONS**A. Table:**

PIPE LABEL STANDARD			
RIT - ENGINEERING SERVICES			
SYMBOL	SERVICE TYPE	PIPE LABEL	BACKGROUND AND LETTERING COLORS
CHWR	Chilled Water Return	CHWR	DARK BLUE BACKGROUND, WHITE LETTERING
CHWS	Chilled Water Supply	CHWS	DARK BLUE BACKGROUND, WHITE LETTERING
CWR	Condenser Water Return	CWR	GREEN BACKGROUND, WHITE LETTERING
CWS	Condenser Water Supply	CWS	GREEN BACKGROUND, WHITE LETTERING
CWGLR	Chilled Water Glycol Return	CWGLR	GOLD BACKGROUND, BLACK LETTERING
CWGLS	Chilled Water Glycol Supply	CWGLS	GOLD BACKGROUND, BLACK LETTERING
HWGLR	Hot Water Glycol Return	HWGLR	GOLD BACKGROUND, BLACK LETTERING
HWGLS	Hot Water Glycol Supply	HWGLS	GOLD BACKGROUND, BLACK LETTERING
CTYW	City Water	CITY WATER	LIGHT BLUE BACKGROUND, WHITE LETTERING
DCWR	Domestic Cold Water Return	DCWR	LIGHT BLUE BACKGROUND, WHITE LETTERING
DCWS	Domestic Cold Water Supply	DCWS	LIGHT BLUE BACKGROUND, WHITE LETTERING
DHWR	Domestic Hot Water Return	DHWR	LIGHT BLUE BACKGROUND, WHITE LETTERING
DHWS	Domestic Hot Water Supply	DHWS	LIGHT BLUE BACKGROUND, WHITE LETTERING
DTS	Dual Temp Return	DTR	BLACK BACKGROUND, WHITE LETTERING
DTR	Dual Temp Supply	DTS	BLACK BACKGROUND, WHITE LETTERING
HPR	Heat Pump Return	HPR	TEAL BACKGROUND, WHITE LETTERING
HPS	Heat Pump Supply	HPS	TEAL BACKGROUND, WHITE LETTERING
LTHWR	Low-Temp Hot Water Return	LTHWR	ORANGE BACKGROUND, BLACK LETTERING
LTHWS	Low-Temp Hot Water Supply	LTHWS	ORANGE BACKGROUND, BLACK LETTERING
MTHWR	Medium-Temp Hot Water Return	MTHWR	RED BACKGROUND, BLACK LETTERING
MTHWS	Medium-Temp Hot Water Supply	MTHWS	RED BACKGROUND, BLACK LETTERING
HTHWR	High-Temp Hot Water Return	HTHWR	RED BACKGROUND, WHITE LETTERING
HTHWS	High-Temp Hot Water Supply	HTHWS	RED BACKGROUND, WHITE LETTERING
STM	Steam	STEAM	PINK BACKGROUND, WHITE LETTERING
COND	Condensate	COND	PINK BACKGROUND, WHITE LETTERING
NG	Natural Gas	GAS	YELLOW BACKGROUND, BLACK LETTERING
CA	Compressed Air	COMP AIR	PURPLE BACKGROUND, WHITE LETTERING
VAC	Vacuum	VACUUM	PURPLE BACKGROUND, WHITE LETTERING

B. Specifications:

(A13.1-1981) ANSI requires that pipes be marked with a legend indicating the name of the contents and arrows showing the direction of flow of the material. A color is used in combination with the legend to identify the characteristic hazards of the contents. The label needs to be applied close to valves, flanges, branches, changes in direction and wherever pipes pass through walls.

<u>Outside Pipe Diameter</u>	<u>Letter Height</u>
.75" to 1.25"	.5"
1.5" to 2"	.75"
2.5" to 6"	1.25"
8" to 10"	2.5"
Over 10"	3.5"

C. Material Vendors (or similar):

Vinyl Labeling Tape: Can-Do National Tape
PO Box 40366
Nashville, TN 37204
800-643-5996

Transfer Ribbon: Graphic Products
PO Box 4030
Beaverton, OR 97076-4030
800-788-5572

2.0 VALVE TAGGING SPECIFICATIONS

A. Table:

VALVE TAG STANDARD			
RIT - ENGINEERING SERVICES			
SYMBOL	SERVICE TYPE	VALVE TAG	BACKGROUND AND LETTERING COLORS
CHWR	Chilled Water Return	(BLDG.)-CHV-##	DARK BLUE BACKGROUND, WHITE LETTERING
CHWS	Chilled Water Supply	(BLDG.)-CHV-##	DARK BLUE BACKGROUND, WHITE LETTERING
CWR	Condenser Water Return	(BLDG.)-CWV-##	GREEN BACKGROUND, WHITE LETTERING
CWS	Condenser Water Supply	(BLDG.)-CWV-##	GREEN BACKGROUND, WHITE LETTERING
CWGLR	Chilled Water Glycol Return	(BLDG.)-CGLV-##	GOLD BACKGROUND, BLACK LETTERING
CWGLS	Chilled Water Glycol Supply	(BLDG.)-CGLV-##	GOLD BACKGROUND, BLACK LETTERING
HWGLR	Hot Water Glycol Return	(BLDG.)-HGLV-##	GOLD BACKGROUND, BLACK LETTERING
HWGLS	Hot Water Glycol Supply	(BLDG.)-HGLV-##	GOLD BACKGROUND, BLACK LETTERING
CTYW	City Water	(BLDG.)-CTWV-##	LIGHT BLUE BACKGROUND, WHITE LETTERING
DCWR	Domestic Cold Water Return	(BLDG.)-DCV-##	LIGHT BLUE BACKGROUND, WHITE LETTERING
DCWS	Domestic Cold Water Supply	(BLDG.)-DCV-##	LIGHT BLUE BACKGROUND, WHITE LETTERING
DHWR	Domestic Hot Water Return	(BLDG.)-DHV-##	LIGHT BLUE BACKGROUND, WHITE LETTERING
DHWS	Domestic Hot Water Supply	(BLDG.)-DHV-##	LIGHT BLUE BACKGROUND, WHITE LETTERING
DTS	Dual Temp Return	(BLDG.)-DTV-##	BLACK BACKGROUND, WHITE LETTERING
DTR	Dual Temp Supply	(BLDG.)-DTV-##	BLACK BACKGROUND, WHITE LETTERING
HPR	Heat Pump Return	(BLDG.)-HPV-##	TEAL BACKGROUND, WHITE LETTERING
HPS	Heat Pump Supply	(BLDG.)-HPV-##	TEAL BACKGROUND, WHITE LETTERING
LTHWR	Low-Temp Hot Water Return	(BLDG.)-HWV-##	ORANGE BACKGROUND, BLACK LETTERING
LTHWS	Low-Temp Hot Water Supply	(BLDG.)-HWV-##	ORANGE BACKGROUND, BLACK LETTERING
MTHWR	Medium-Temp Hot Water Return	(BLDG.)-MTV-##	RED BACKGROUND, BLACK LETTERING
MTHWS	Medium-Temp Hot Water Supply	(BLDG.)-MTV-##	RED BACKGROUND, BLACK LETTERING
HTHWR	High-Temp Hot Water Return	(BLDG.)-HTV-##	RED BACKGROUND, WHITE LETTERING
HTHWS	High-Temp Hot Water Supply	(BLDG.)-HTV-##	RED BACKGROUND, WHITE LETTERING
STM	Steam	(BLDG.)-STV-##	PINK BACKGROUND, WHITE LETTERING
COND	Condensate	(BLDG.)-CNDV-##	PINK BACKGROUND, WHITE LETTERING
NG	Natural Gas	(BLDG.)-GASV-##	YELLOW BACKGROUND, BLACK LETTERING
CA	Compressed Air	(BLDG.)-CAV-##	PURPLE BACKGROUND, WHITE LETTERING
VAC	Vacuum	(BLDG.)-VACV-##	PURPLE BACKGROUND, WHITE LETTERING

B. Specifications:

- Size: 2" x 2" square with hole drilled in center at top.
- Font: HEL Medium 4L
- Word Size: .30"
- Contractor to provide an Excel spreadsheet of valve tags and system to RIT.

C. Material Vendors (or similar):

All colors EXCEPT Orange/White: New Hermes
2200 Northmont Pkwy
Deluth, GA 30096

Orange/White: Nash Industries/RowMark
528 Nicholson Road
Gloucester City, NJ 08030