

## NOTES:

1. 3/8" BYPASS IN LOCKED CABINETS- USE A QUARTER TURN STOP. ALL PIPING SHALL BE RIGID AND SECURE.
2. 3/8" BYPASS EXPOSED- USE A LOOSE KEY CHROME STOP. ALL PIPING SHALL BE RIGID AND SECURE.
3. VERIFY SPRING BALL/CONE TYPE CHECK VALVES ARE USED ( NOT SWING TYPE).
4. MIXING VALVES ARE TO BE CHROME PLATED IN ALL APPLICATIONS.

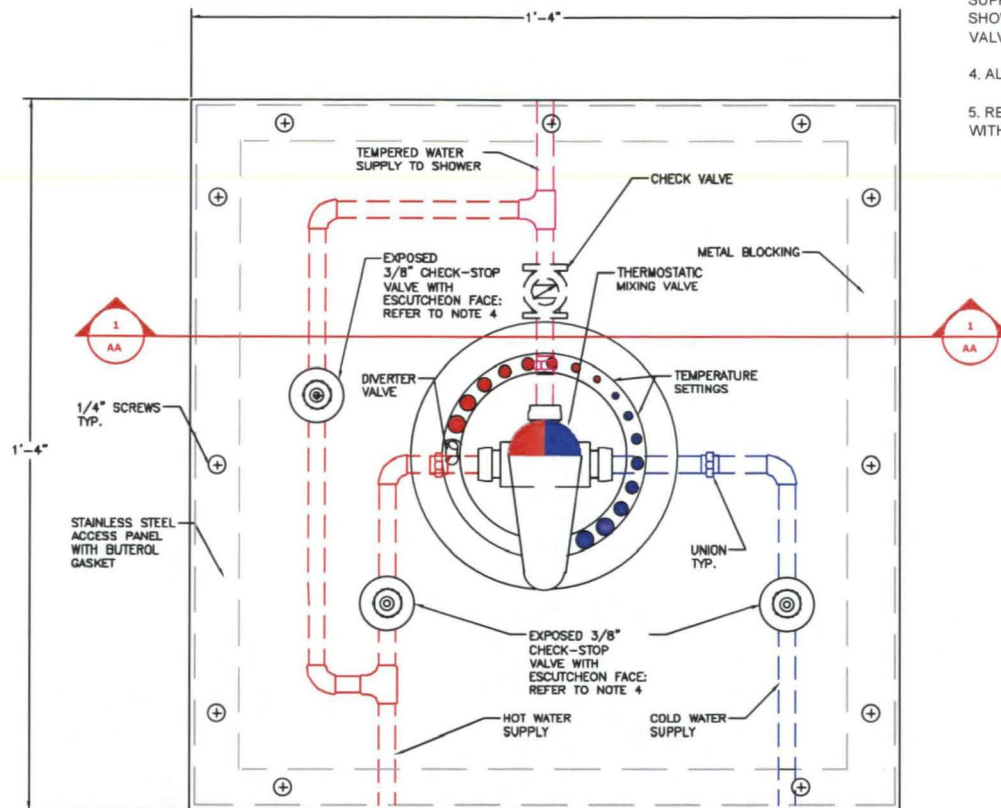
WHY IS LOCKING CABINET NEEDED ON EXPOSED PIPING VALVE IS LOOSE KEY WITH SCREW CAP

IF COMPRESSION IS USED UNIONS WILL NOT BE NEEDED

## SERIES USG-B=M2

3/8" (10mm) compression and Quick-Connect fitting thermostatic mixing valve maintains and limits hot water to desired selectable temperature between 80°F and 120°F (27°C and 49°C) with flow rates as low as 0.5 gpm (3/8" (10mm) compression fitting thermostatic mixing valves maintain and limit hot water to desired selectable temperature between 80 degrees Fahrenheit and 120 degrees Fahrenheit (27 degrees Celsius and 49 degrees Celsius) with flow rates as low as 0.5 gpm (1.9 lpm) and as high as 2.5 gpm (9.5 lpm). The mixing valve is listed to ASSE Standards 1070 for single fixture applications. The USG-B series uses a double throttling design to control both the hot and cold water supply to the mixed outlet. The superior flow characteristics of this valve provide accurate temperature control (±3 degrees Fahrenheit) with low pressure drop. As an added feature, the USG-B-M1 incorporates dual check valves to protect against cross-flow and integral screens to filter out debris. Insulate all plumbing.

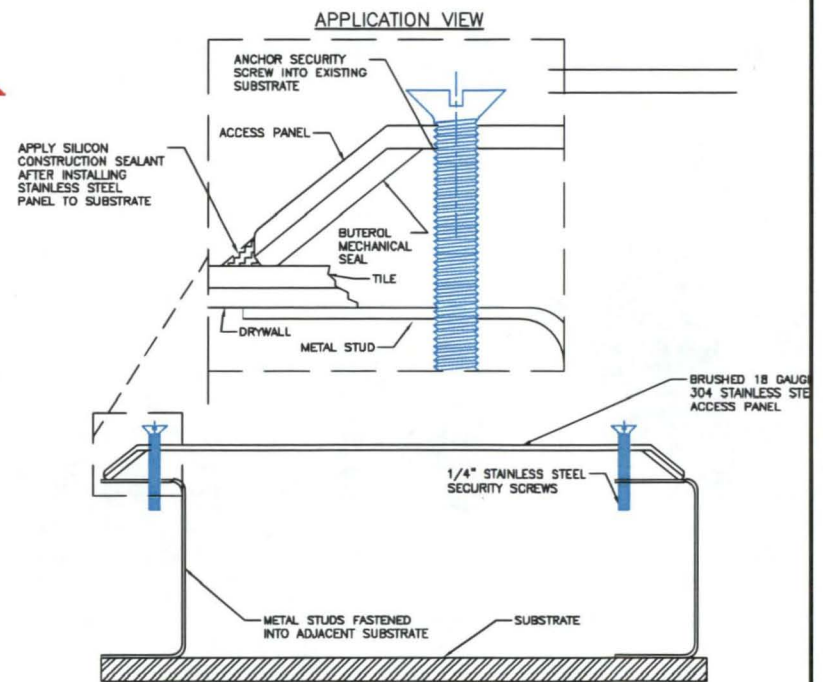
<b>Office of Facilities Management</b> 		Approved: Director, VA Pittsburgh Healthcare System		Sketch Title		Project Title		Date		<b>Veterans Affairs</b>		
		Approved: Chief Operating Officer		3-PORT MIXING VALVE		PLUMBING UPGRADES PROJECT		JAN. 10, 2013				
		Approved: Vice President, Facilities Management		Approved: VISION 4, Safety and Fire Protection Engineer		Building No. #1		Scale NTS			Drawn DM	
		Approved: Manager, Projects Section		Approved: Site Manager		Location		DRAWING NO. SK 4			Dwg. 1 of 1	
Revisions		Date		VA FTTS/HS+444-44-RE SYSTEM		2/1/2014 10:11 AM 10.10.13						



DASHED LINES ARE TO SHOW HIDDEN EQUIPMENT BEHIND ACCESS PANEL.

#### NOTES:

1. INSULATE ALL PIPING AND VALVES THAT ARE EXPOSED DURING CONSTRUCTION.
2. FIELD VERIFY THAT ALL PLUMBING WORK IS SECURED AND RIGID TO BLOCKING SUBSTRATE.
3. SKETCH SHOWS SUPPLY LINE AT THE UNDERSIDE OF THE SHOWER CONTROL MIXING VALVE. SUPPLY LINES ALSO ARE LOCATED ABOVE AND TO THE SIDE OF THE MIXING VALVES AT OTHER SHOWERS. CONTRACTOR SHALL FIELD VERIFY SUPPLY LINE LOCATIONS AND LOCATE THE T-STOP VALVE ACCORDINGLY, PRIOR TO BEGINNING CONSTRUCTION AT EACH SHOWER.
4. ALL EXPOSED VALVES ARE TO HAVE SECURITY SCREWS WITH CAPS.
5. REFER TO PLUMBING SYSTEMS MANUAL AND SCHEDULE TO COORDINATE SYSTEMS INSTALLATION WITH EACH LOCATION THAT REQUIRES A SPECIALIZED APPLICATION.



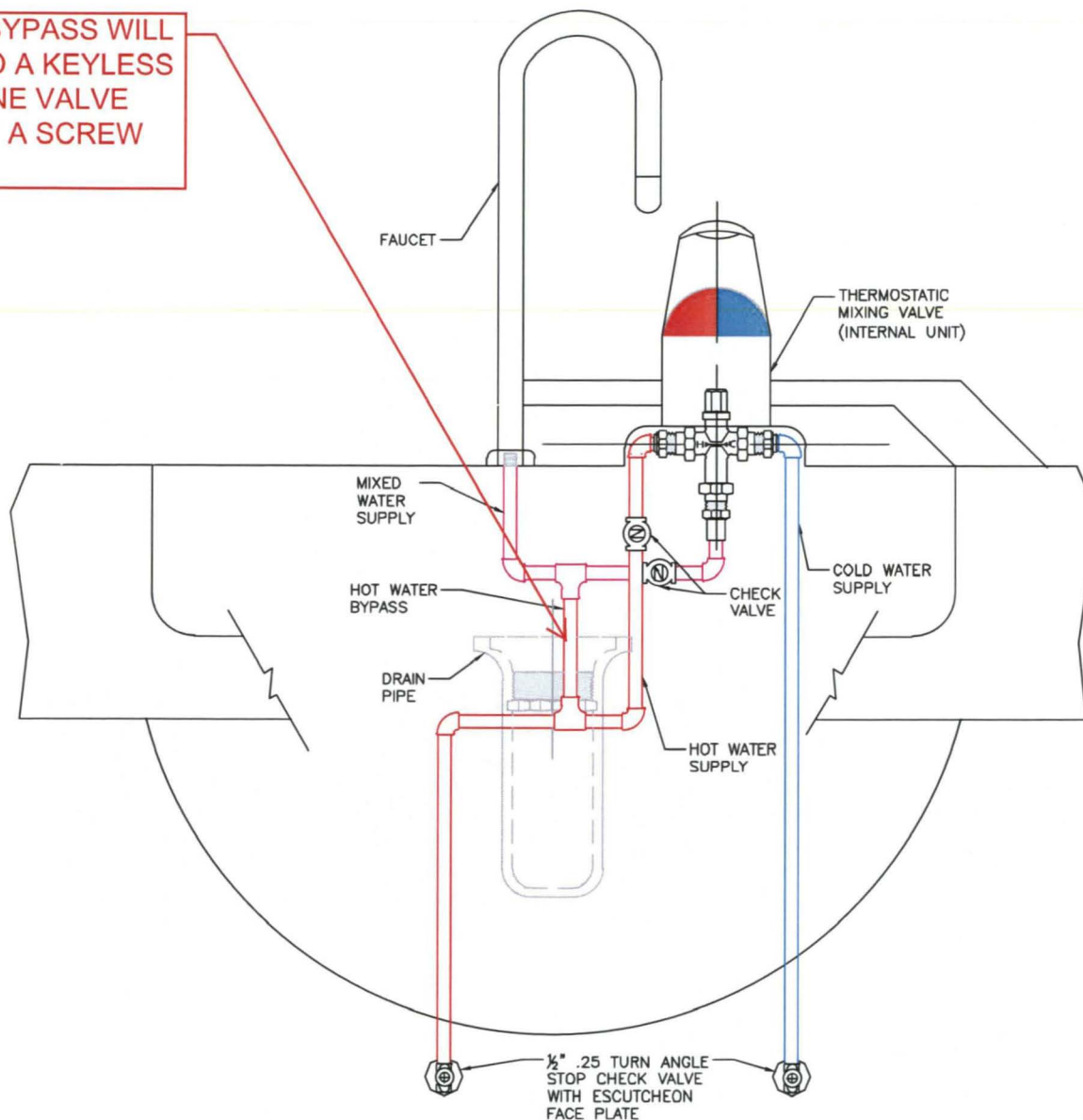
ACCESS PANEL DETAIL TYPICAL  
DETAIL AA: NTS

1. CHANGED PLUMBING LINE-UP	4-3-2013	<div>Office of Facilities Management</div> <div></div>	Approved: Director, VA Pittsburgh Healthcare System	Drawing Title SHOWER CONTROL AND BYPASS DETAIL		Project Title PLUMBING UPGRADES PROJECT		Date MAR. 27, 2013
			Approved: Chief Operating Officer					Project No.
			Approved: Vice President, Facilities Management	Approved: VISM 4, Safety and Fire Protection Engineer	Building No. #1	Scale NTS	Drawn DM	DRAWING NO. SK 5
			Approved: Manager, Projects Section	Approved: Title Manager	Location 12. PITTSLBURGH VA HEALTHCARE SYSTEM SECTION 4.000 - SHOWER ENHANCEMENT PITTSBURGH, PA 15206		Dwg. 1 of 1	
Revisions	Date							

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HW BYPASS WILL  
NEED A KEYLESS  
IN LINE VALVE  
WITH A SCREW  
CAP



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2. FIELD VERIFY THAT ALL PLUMBING WORK IS SECURE AND RIGID TO BLOCKING SUBSTRATE.
3. REFER TO PLUMBING SYSTEMS MANUAL AND SCHEDULE TO COORDINATE SYSTEMS INSTALLATION WITH EACH LOCATION THAT REQUIRES A SPECIALIZED APPLICATION.

1. CHANGED PLUMBING LINE-UP.

4-1-2013

**Office of  
Facilities  
Management**



Approved: Director, VA Pittsburgh Healthcare System

Approved: Chief Operating Officer

Approved: Vice President, Facilities Management

Approved: Manager, Projects Section

Drawing Title  
**SINK CONTROL AND  
BYPASS DETAIL**

Approved: VISEN 4, Safety and Fire Protection Engineer

Approved: Site Manager

Project Title  
**PLUMBING UPGRADES  
PROJECT**

Building No.  
#1

Scale  
NTS

Drawn  
DM

Location  
VA PITTSBURGH HEALTHCARE SYSTEM  
300 JEFFERSON DRIVE SUITE 4  
PITTSBURGH, PA 15261

Date  
MAR. 27, 2013

Project No.

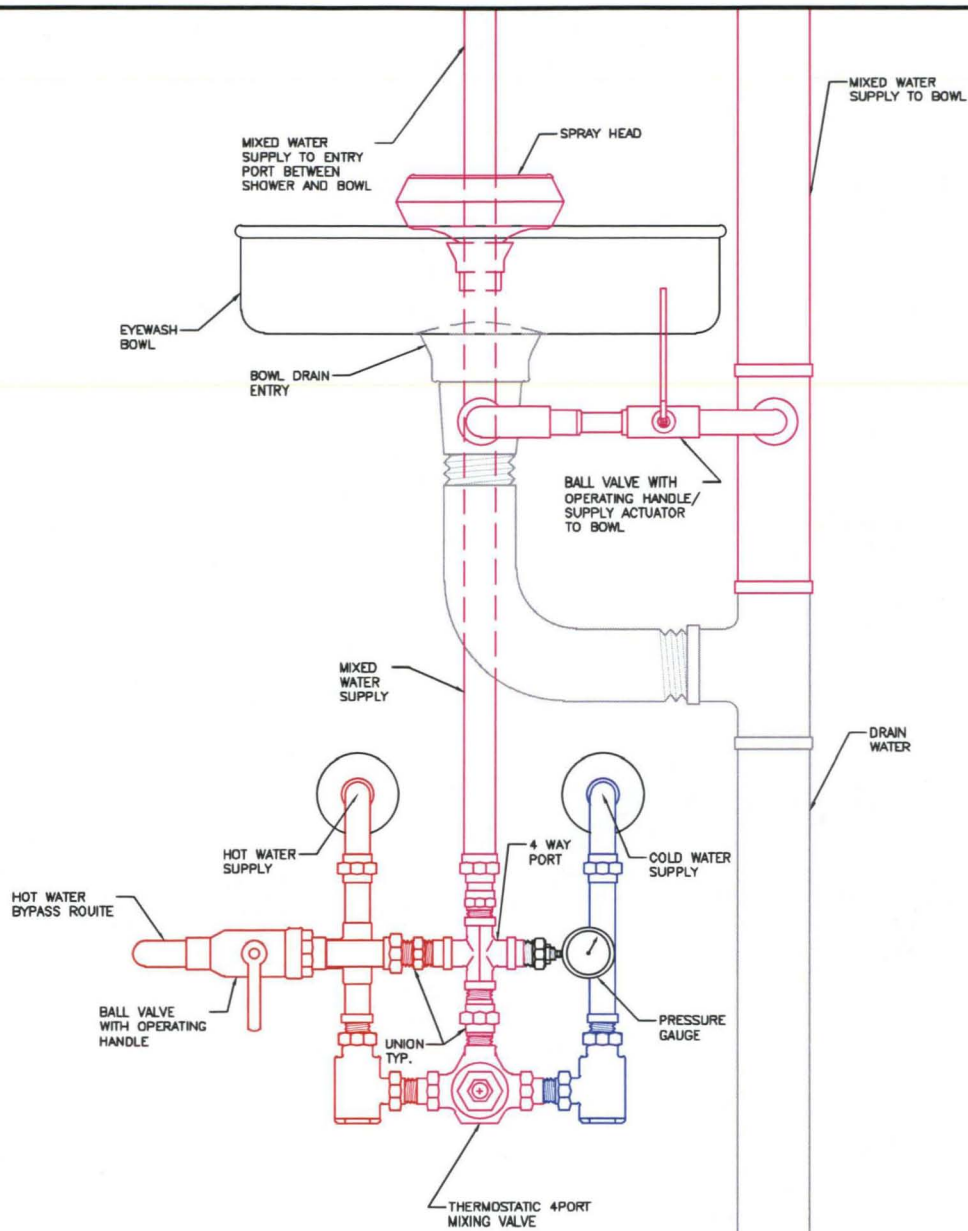
DRAWING NO.

SK 6

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NOTES:

1. REFER TO PLUMBING SYSTEMS MANUAL AND SCHEDULE TO COORDINATE SYSTEMS INSTALLATION WITH EACH LOCATION THAT REQUIRES A SPECIALIZED APPLICATION.
2. CONTRACTOR MUST VERIFY ALL FIELD CONDITIONS PRIOR TO WORK START AND AFTER WORK COMPLETION.

		 <div style="text-align: center;"> <b>Office of Facilities Management</b> </div>	Approved: Director, VA Pittsburgh Healthcare System	Drawing Title <b>EYEWASH WITH SHOWER CONTROL BYPASS DETAIL</b>	Project Title <b>PLUMBING UPGRADES PROJECT</b>	Date APR. 1, 2013	<div style="writing-mode: vertical-rl; transform: rotate(180deg);"><b>Veterans Affairs</b></div>		
			Approved: Chief Operating Officer			Project No.			
			Approved: Vice President, Facilities Management	Approved: VISN 4, Safety and Fire Protection Engineer	Building No. #1	Scale NTS		Drawn DM	DRAWING NO. <b>SK 7</b>
			Approved: Manager, Projects Section	Approved: Site Manager	Location VA PITTSBURGH HEALTHCARE SYSTEM XX JINTECHRY HOME DRIVE I PITTSBURGH - PA 15261			Dwg. 1 of 1	
Revisions	Date								