



KEYED NOTES:

1. INSTALL BALANCING VALVE WITH MINIMUM OF 3 STRAIGHT PIPE DIAMETERS UPSTREAM AND 1 STRAIGHT PIPE DIAMETER DOWNSTREAM.
2. MAINTAIN 6" MINIMUM CLEARANCE ABOVE TEST PLUG TO ALLOW GAUGE TO BE INSERTED. DO NOT COVER PLUG WITH INSULATION.
3. INSTALL SWING JOINTS AT COIL CONNECTIONS.
4. CONNECT BRANCH LINES FROM COIL INTO TOP OR SIDE OF SUPPLY AND RETURN MAINS. CONNECTING INTO BOTTOM OF MAIN IS NOT ACCEPTABLE.
5. INSTALL MANUAL AIR VENTS IN SUPPLY AND RETURN COIL BRANCH PIPING AS FOLLOWS:
 - A) IN PIPING HIGH POINT WHEN PIPING IS ABOVE MAIN.
 - B) CLOSE TO COIL WHEN PIPING IS NOT ABOVE MAIN (SIDE CONNECTION).
6. INSTALL COIL SO AIR PASSES THROUGH FINS IN PROPER DIRECTION NOTED ON COIL.

HOT WATER COIL PIPING DETAIL
 (VARIABLE FLOW THROUGH COIL, FAIL TO FULL HEAT)
 SCALE: NONE

NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. SEE SHEET 10 FOR STACKED COIL PIPING.
2. SEE SHEET 11 FOR DESIGN NOTES.

DRAWING DEVELOPED FOR ML-3/ML-4 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE).

1	B-14-03	U	REvised TO COMPLY WITH DRAWING MANUAL, ADDED STRAINER & KEYED NOTE 6 & DWG NO. WAS ST6121.	RP	AM	JM	GG	TD						
NO	DATE	CLASS	REV	ADD	DESCRIPTION			DWN	DSGN	CHKD	SUB	APP		
ENGINEERING STANDARDS PROGRAM														
ENGINEERING STANDARDS MANUAL											DRAWN	R.PEARSON		
HOT WATER COIL PIPING DETAIL VARIABLE FLOW, FAIL TO FULL HEAT											DESIGN	A.BRIDGE		
											CHECKED	G.GREWAL		
BLDG X											TA-X	DATE	6-28-99	
SUBMITTED											APPROVED FOR RELEASE			
DISCIPLINE POC: GURINDER GREWAL											STANDARDS MANAGER: TOBIN ORUCH			
											SHEET	5		
CLASSIFICATION: U											REVIEWER: LARRY BAYS	DATE:		
PROJECT ID											DRAWING NO	5	11	
CHAPTER 6											ST-D30GEN-2		REV	1