



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 NO 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 GRANTING MANUAL ADDED STRAINER & KEYED NOTE 6 & DWG NO. WAS ST8121.	RP	AB	JM	GG	TD		
NO	DATE	CLASS	REV	ADD	DESCRIPTION	OWN	DSGN	CHKD	SUB	APP
ENGINEERING STANDARDS PROGRAM										
ENGINEERING STANDARDS MANUAL										DRAWN: R.PEARSON
HOT WATER COIL PIPING DETAIL VARIABLE FLOW, FAIL TO NO HEAT										DESIGN: A.BRIDGE
BLDG X										CHECKED: G.GREWAL
SUBMITTED										DATE: 6-28-99
DISCIPLINE POC: GURINDER GREWAL										APPROVED FOR RELEASE: TA-X
STANDARDS MANAGER: TOBIN ORUCH										SHEET: 4
Los Alamos NATIONAL LABORATORY										4 OF 11
CLASSIFICATION: U										REVIEWER: LARRY BAYS
PROJECT ID: CHAPTER 6										DATE:
DRAWING NO: ST-D30GEN-2										REV: 1

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