



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.

CHILLED WATER COIL PIPING DETAIL
 (VARIABLE FLOW THROUGH COIL, FAIL TO FULL COOLING)
 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	8-14-03	U	REVISED TO COMPLY WITH DRAWING MANUAL ADDED STRAINER & KEYED NOTE 6 & DWG NO. WAS ST8121.	RP	AB	JM	GG	TD
NO	DATE	CLASS	DESC	OWN	DSGN	CHKD	SUB	APP
ENGINEERING STANDARDS PROGRAM								
ENGINEERING STANDARDS MANUAL							DRWN	R.PEARSON
CHILLED WATER COIL PIPING DETAIL VARIABLE FLOW, FAIL TO FULL COOLING							DESIGN	A.BRIDGE
BLDG X							CHECKED	G.GRENAL
SUBMITTED							DATE	6-28-99
DISCIPLINE POC: GURINDER GREWAL							APPROVED FOR RELEASE	TA-X
STANDARDS MANAGER: TOBIN ORUCH							SHEET	2
Los Alamos NATIONAL LABORATORY							REV	11
CLASSIFICATION: U							REVIEWER: LARRY BAYS	DATE:
PROJECT ID							DRAWING NO	REV
CHAPTER 6							ST-D30GEN-2	1

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