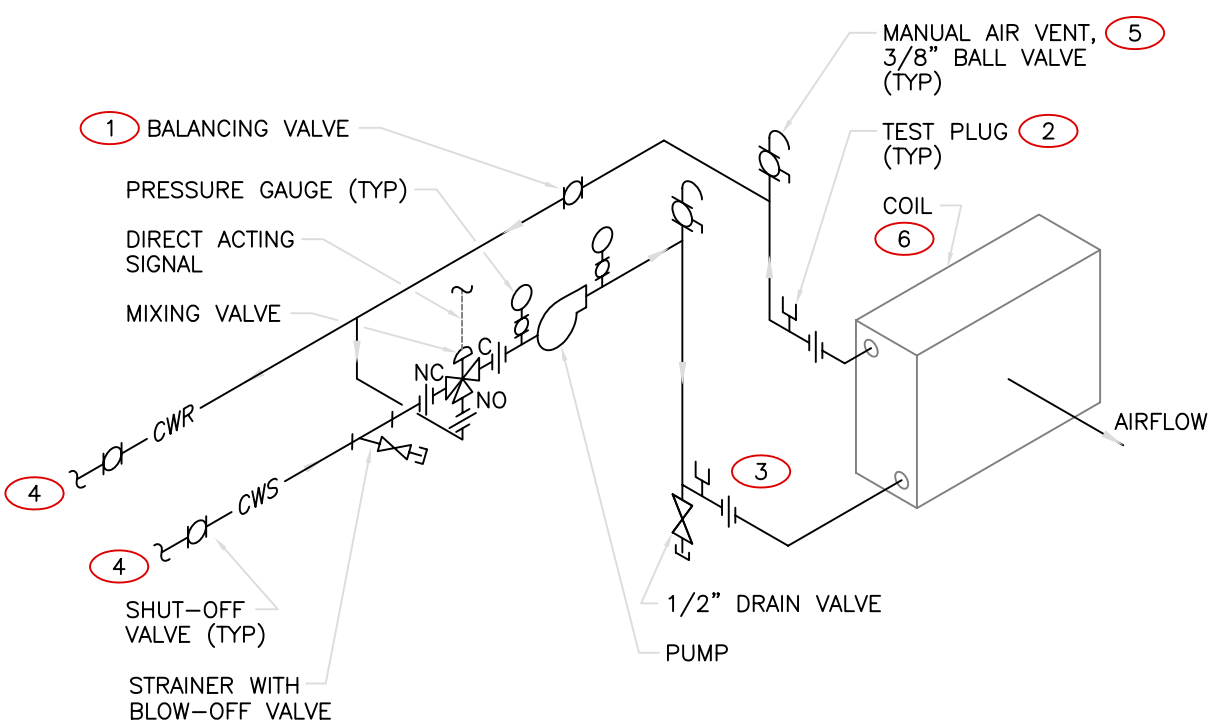

KEYED NOTES:

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

(CONSTANT FLOW THROUGH COIL, FAIL TO NO 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.
3. APPLICATION: WHEN CLOSE TEMPERATURE CONTROL IS REQUIRED.

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).

NO	DATE	CLASS REV	ADC	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
1	8-14-03	U		REVISED TO COMPLY WITH DRAFTING MANUAL. ADDED STRAINER & KEYED NOTE 6. DWG NO. WAS ST6121.	RP	AB	JM	GG	TO

ENGINEERING STANDARDS PROGRAM

ENGINEERING STANDARDS MANUAL

CHILLED WATER COIL PIPING DETAIL
CONSTANT FLOW COIL, FAIL TO NO COOLING

DRAWN R.PEARSON
DESIGN A.BRIDGE
CHECKED G.GREWAL
DATE 6-28-99

BLDG X TA-X
SUBMITTED
DISCIPLINE POC: GURINDER GREWAL
APPROVED FOR RELEASE
STANDARDS MANAGER: TOBIN ORUCH

Los Alamos NATIONAL LABORATORY
PO Box 1663
Los Alamos, New Mexico 87545

SHEET 3
3 OF 11

CLASSIFICATION: U
REVIEWER: LARRY BAYS
DATE:

PROJECT ID CHAPTER 6
DRAWING NO ST-D30GEN-2
REV 1