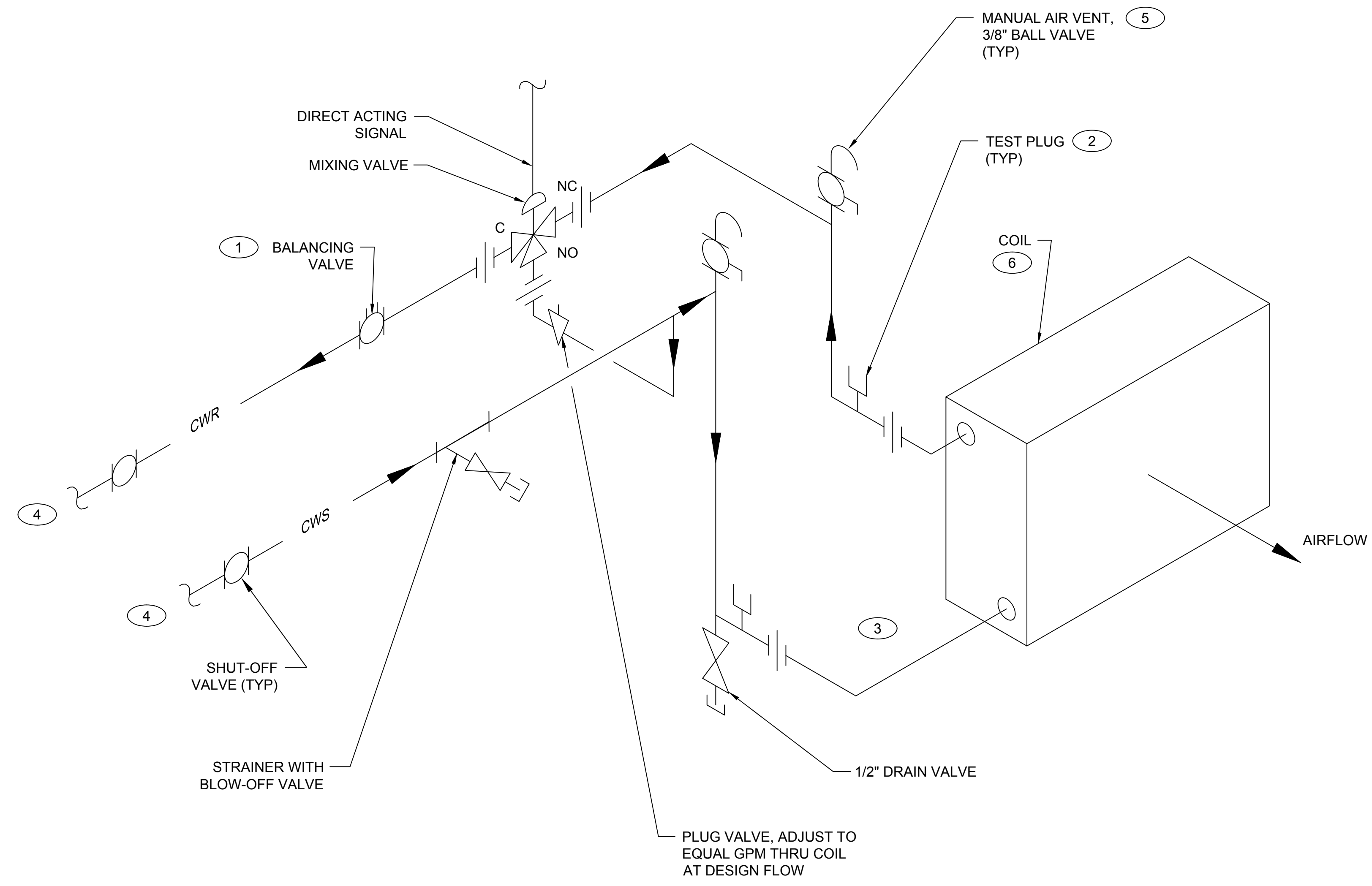


D
C
B
A



- 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.

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).

CHILLED WATER COIL PIPING DETAIL (VARIABLE FLOW THROUGH COIL, FAIL TO NO COOLING)
SCALE: NONE

NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)
1. SEE SHEET 9 FOR STACKED COIL PIPING & ADDITIONAL DESIGN NOTES.

2	06-08-2017	UNCLASS	TO	ADMIN. CHANGES TO CAD STD. REV#5 FORMAT & SHEET # WAS 1 OF 11.	JB	AJ	ML	ML	TO
1	08-14-2003	U	LB	REVISED TO COMPLY WITH DRAFTING MANUAL. ADDED STRAINER & KEYED NOTE 6 & DWG NO. WAS ST6121.	RP	AB	JM	GG	TO
NO	DATE	CLASS REV	DC	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP

ENGINEERING STANDARDS

MECHANICAL

**CHILLED WATER COIL PIPING DETAIL
VARIABLE FLOW, FAIL TO NO COOLING**

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

TA- XX BLDG XX

SUBMITTED DISCIPLINE POC: GURINDER GREWAL APPROVED FOR RELEASE STANDARDS MANAGER: TOBIN ORUCH

Los Alamos NATIONAL LABORATORY P0 Box 1663 Los Alamos, New Mexico 87545

D.C.: U REVIEWER: LARRY BAYS DATE: 6-28-99

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

SHEET **1** OF **9**

00% REVIEW
NOT FOR CONSTRUCTION