



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
 (CONSTANT 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.
- 3. REQUIRED: WHEN CLOSE TEMPERATURE CONTROL IS REQUIRED, AND/OR FOR OUTSIDE AIR PREHEAT.

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).

2	12-17-03	U		REVISED TO PLACE BALANCING VALVES A MORE EFFICIENT OPERATING POSITION.	RP	AB	MB	CD	TD
1	8-14-03	U		REVISED TO COMPLY WITH DRAWING MANUAL. ADDED STRAINER & KEYED NOTE 6. DWG NO. WAS STB121.	RP	AB	JM	GO	TD
NO	DATE	CLASS	REV	DESCRIPTION	OWN	DSGN	CHKD	SUB	APP

ENGINEERING STANDARDS PROGRAM

ENGINEERING STANDARDS MANUAL

HOT WATER COIL PIPING DETAIL
 CONSTANT FLOW COIL, FAIL TO FULL HEAT

BLDG X TA-X DATE 6-28-99

DISCIPLINE POC: GURINDER GREWAL APPROVED FOR RELEASE DATE: 6-28-99

STANDARDS MANAGER: TOBIN ORUCH

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CLASSIFICATION: U REVIEWER: LARRY BAYS DATE: 6-28-99

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

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