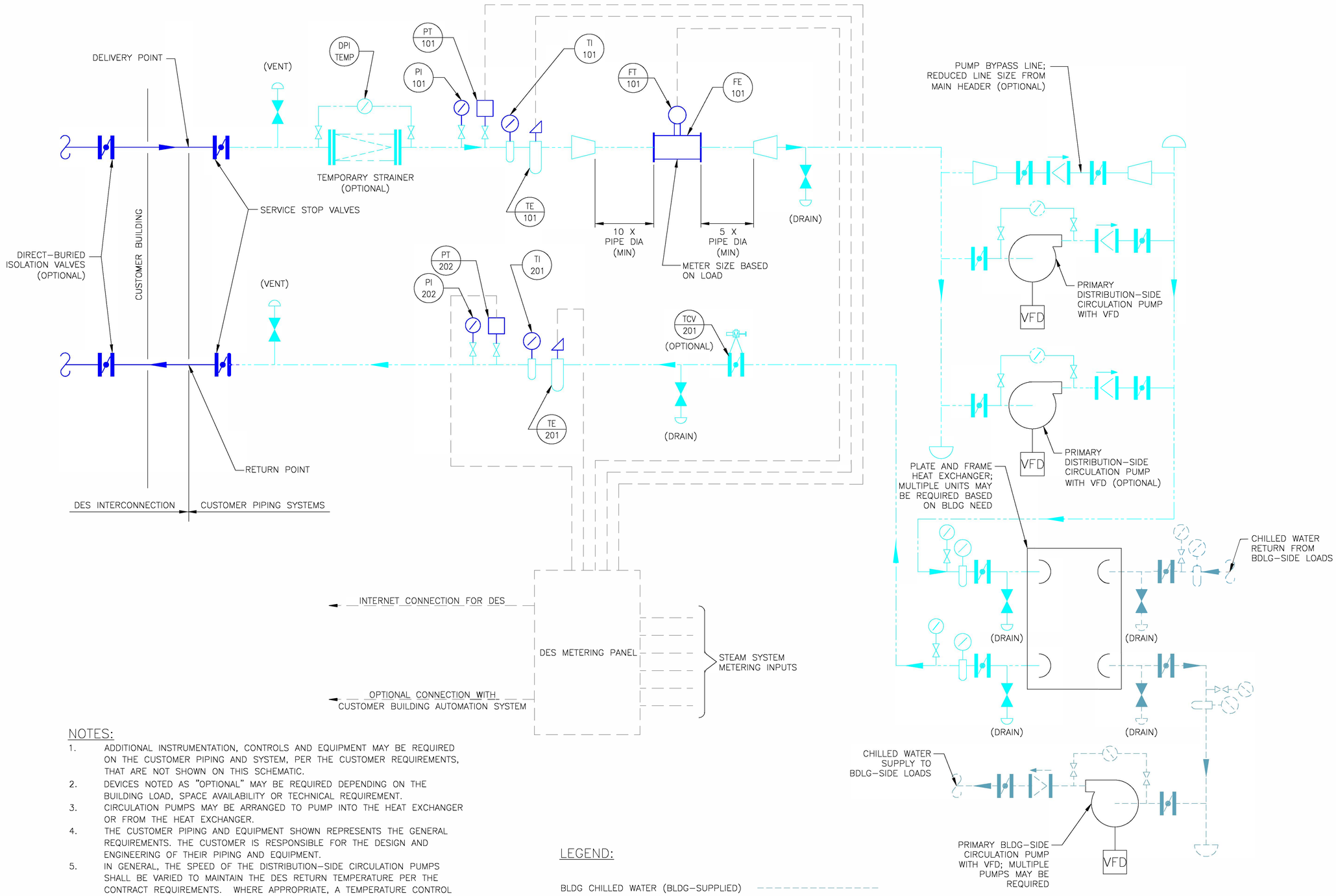

NOTES:

1. ADDITIONAL INSTRUMENTATION, CONTROLS AND EQUIPMENT MAY BE REQUIRED ON THE CUSTOMER PIPING AND SYSTEM, PER THE CUSTOMER REQUIREMENTS, THAT ARE NOT SHOWN ON THIS SCHEMATIC.
2. DEVICES NOTED AS "OPTIONAL" MAY BE REQUIRED DEPENDING ON THE BUILDING LOAD, SPACE AVAILABILITY OR TECHNICAL REQUIREMENT.
3. CIRCULATION PUMPS MAY BE ARRANGED TO PUMP INTO THE HEAT EXCHANGER OR FROM THE HEAT EXCHANGER.
4. THE CUSTOMER PIPING AND EQUIPMENT SHOWN REPRESENTS THE GENERAL REQUIREMENTS. THE CUSTOMER IS RESPONSIBLE FOR THE DESIGN AND ENGINEERING OF THEIR PIPING AND EQUIPMENT.
5. IN GENERAL, THE SPEED OF THE DISTRIBUTION–SIDE CIRCULATION PUMPS SHALL BE VARIED TO MAINTAIN THE DES RETURN TEMPERATURE PER THE CONTRACT REQUIREMENTS. WHERE APPROPRIATE, A TEMPERATURE CONTROL VALVE (TCV–201) MAY BE ADDED TO FACILITATE TEMPERATURE CONTROL.
6. THE SPEED OF THE BLDG–SIDE CIRCULATION PUMPS SHALL BE VARIED TO MAINTAIN THE BUILDING SUPPLY TEMPERATURE. TO MINIMIZE PUMPING ENERGY AND TO RESULT IN LOW HEAT EXCHANGER APPROACH TEMPERATURES, THE FLOW RATES ON EACH SIDE OF THE HEAT EXCHANGER SHOULD BE SIMILAR FOR MOST LOAD CONDITIONS.

LEGEND:

- BLDG CHILLED WATER (BLDG–SUPPLIED)
- DES CHILLED WATER (DES–SUPPLIED)
- DES CHILLED WATER (BLDG–SUPPLIED)
- EQUIPMENT (BLDG–SUPPLIED)
- INSTRUMENTATION (DES–SUPPLIED)

PRELIMINARY

PRELIMINARY

THERMAL ENGINEERING GROUP, INC.
P.O. BOX 290 * HENDERSONVILLE, TN 37075

METRO NASHVILLE
DISTRICT ENERGY SYSTEM

TYPICAL CHILLED WATER
DE-COUPLED CUSTOMER CONNECTION

Metro Nashville
DISTRICT ENERGY SYSTEM

DES PROJECT NO. XXX

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY:	APP'D. BY:	CHECKED:
KLJ		
DATE:	DATE:	DATE:
01/05/11		

PROJECT NO.
863.07XX

DRAWING NO.
SK-01

PLOT DATE : 01/07/2011