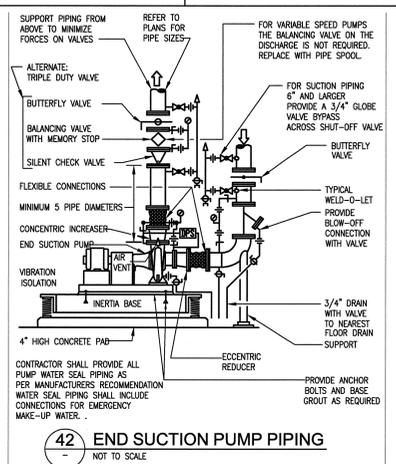
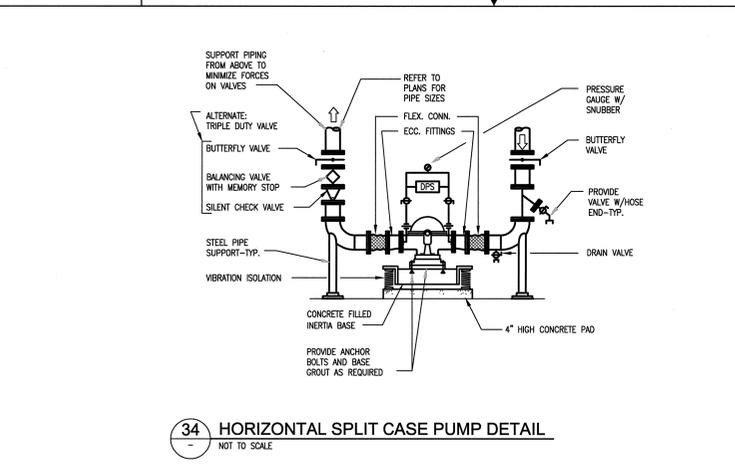


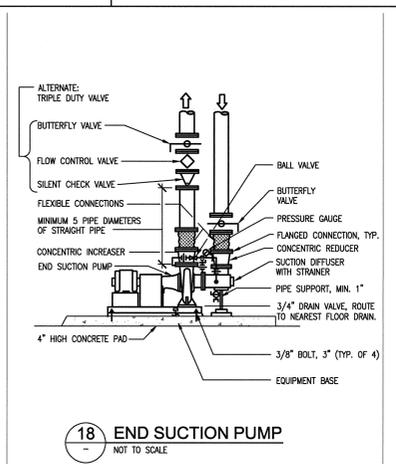
50 VALVE BOX
NOT TO SCALE



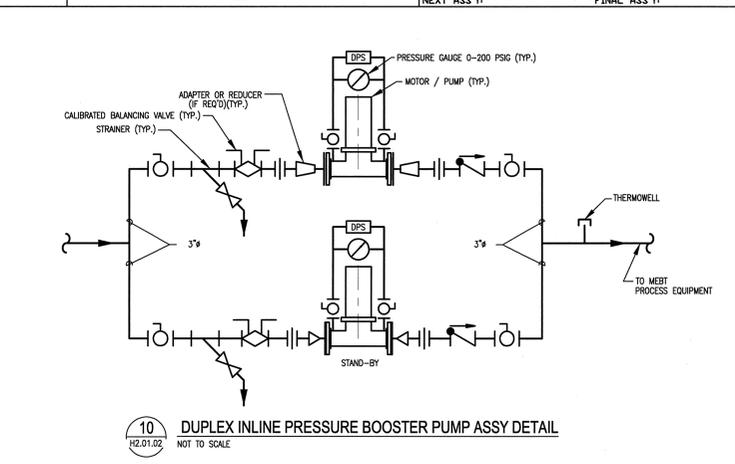
42 END SUCTION PUMP PIPING
NOT TO SCALE



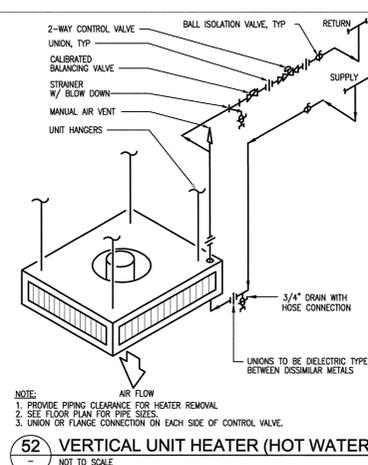
34 HORIZONTAL SPLIT CASE PUMP DETAIL
NOT TO SCALE



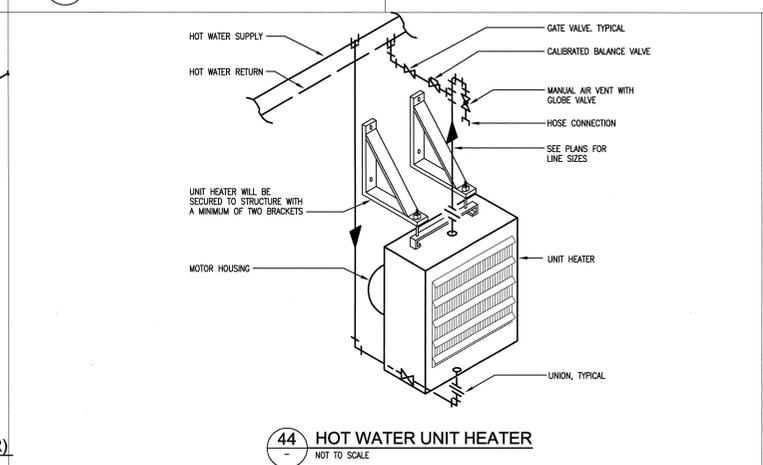
18 END SUCTION PUMP
NOT TO SCALE



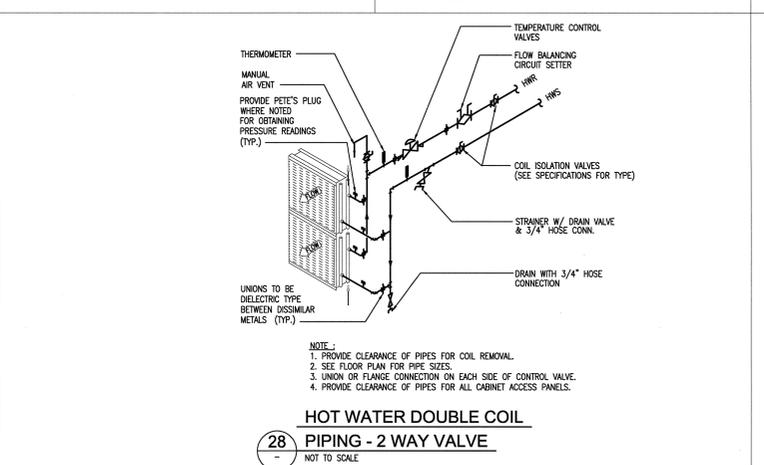
10 DUPLEX INLINE PRESSURE BOOSTER PUMP ASSY DETAIL
NOT TO SCALE



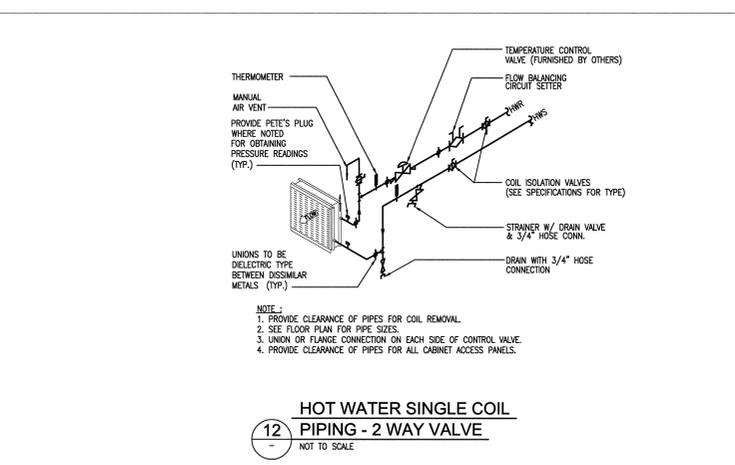
52 VERTICAL UNIT HEATER (HOT WATER)
NOT TO SCALE



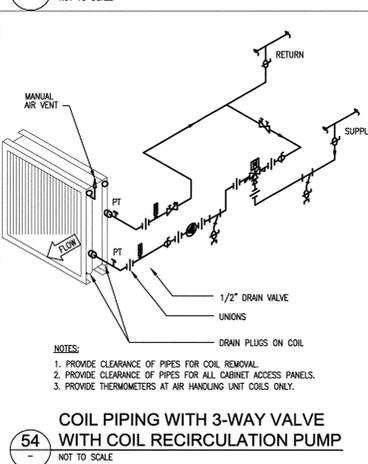
44 HOT WATER UNIT HEATER
NOT TO SCALE



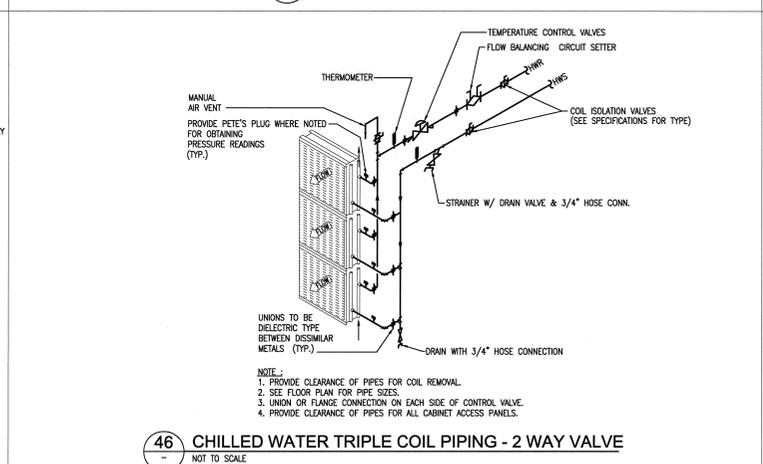
28 HOT WATER DOUBLE COIL PIPING - 2 WAY VALVE
NOT TO SCALE



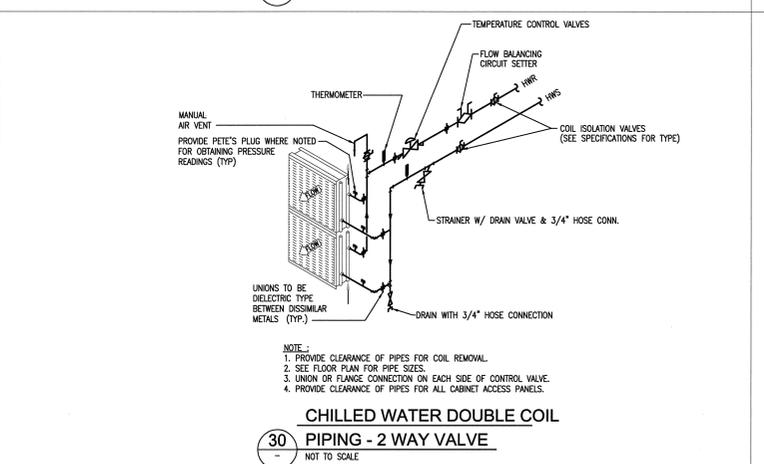
12 HOT WATER SINGLE COIL PIPING - 2 WAY VALVE
NOT TO SCALE



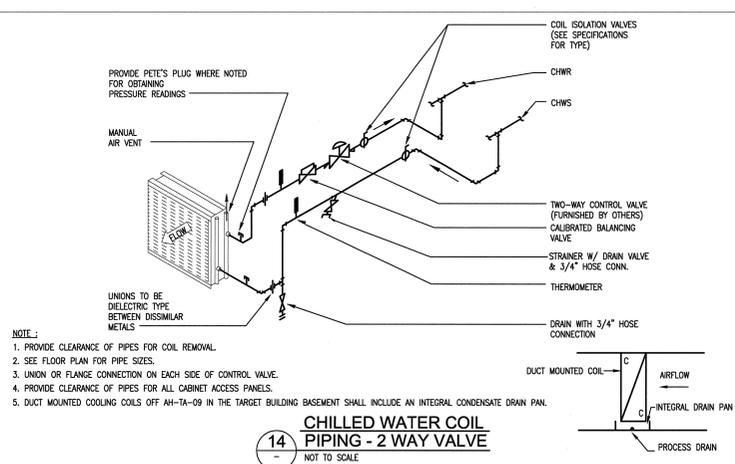
54 COIL PIPING WITH 3-WAY VALVE WITH COIL RECIRCULATION PUMP
NOT TO SCALE



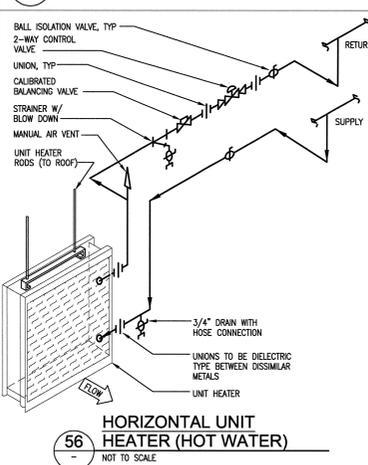
46 CHILLED WATER TRIPLE COIL PIPING - 2 WAY VALVE
NOT TO SCALE



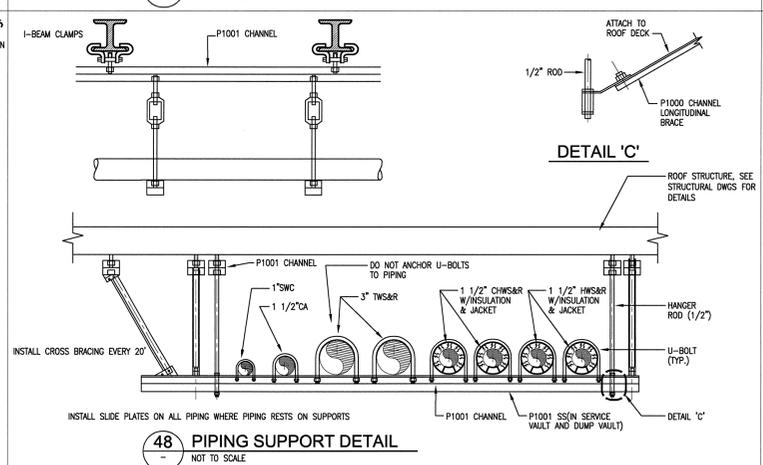
30 CHILLED WATER DOUBLE COIL PIPING - 2 WAY VALVE
NOT TO SCALE



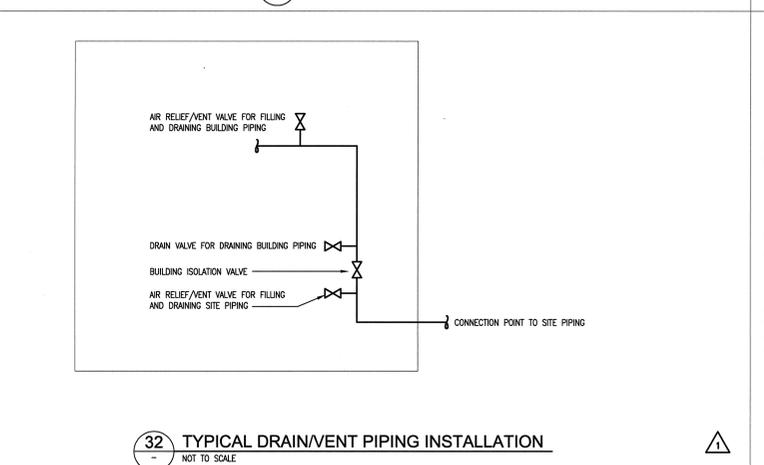
14 CHILLED WATER COIL PIPING - 2 WAY VALVE
NOT TO SCALE



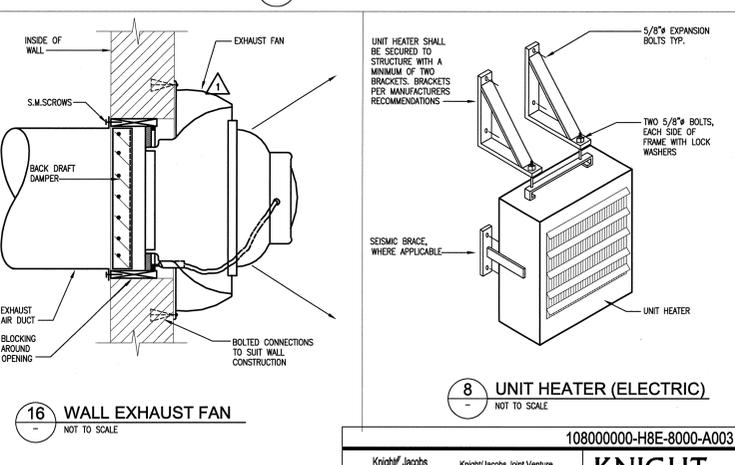
56 HORIZONTAL UNIT HEATER (HOT WATER)
NOT TO SCALE



48 PIPING SUPPORT DETAIL
NOT TO SCALE



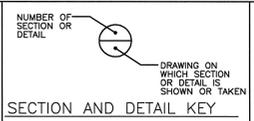
32 TYPICAL DRAIN/VENT PIPING INSTALLATION
NOT TO SCALE



16 WALL EXHAUST FAN
NOT TO SCALE

8 UNIT HEATER (ELECTRIC)
NOT TO SCALE

NOTE: THIS DETAILS SHEET IS COMMON TO ALL TASKS.



THIS DOCUMENT CONTROLLED BY
CHANGE CONTROL SYSTEM 4
ENGINEERING PROCEDURE SNS-ENG-001

REV	DATE	DESCRIPTION	DSN	CHK	DEPT	DATE	REQ	DATE	UTB	DATE	RPE	RPE	NO	DATE	ST	CV	EC	EE	EM	IE	M	PD	SE	AR	
4		TARGET - CERTIFIED FOR CONSTRUCTION - 10/26/01	MMK	BNJ											REW	-	WRS	AK	WRS	BNJ	-	MP	-	ED	
3		BASIS OF AWARD - 10/03/01	JG	BS											SC	AW	BS	RL	BS	BJ	-	BS	-	WS	
2		CERTIFIED FOR CONSTRUCTION - 8/31/01	MMK	BNJ											REW	-	WRS	RL	WRS	BNJ	-	RM	-	WAS	
1		CERTIFIED FOR CONSTRUCTION - 7/27/01	JG	BS											REW	-	WRS	RL	WRS	BNJ	-	RM	-	WAS	
0		CERTIFIED FOR CONSTRUCTION - 6/27/01	JG	BS											SC	AW	BS	RL	BS	BJ	-	BS	-	WS	

REV	DATE	DESCRIPTION	UTB	DATE	RPE	RPE	NO	DATE
4	10/26/01		JR	10/26/01				

108000000-H8E-8000-A003

KNIGHT
Knight Advanced Technology

UT-BATTELLE
Oak Ridge National Laboratory
managed for the DEPARTMENT OF ENERGY under
U.S. GOVERNMENT contract DE-AC05-00OR22725

PROJECT NAME:
SPALLATION NEUTRON SOURCE

STANDARD MECHANICAL DETAILS
SHEET 2 OF 11

1	48	49	50	PLANT	BLDG	FL	SH.	OF	TYPE	CLASS
3	H	X	X	8	8000		1	1	S	U
51		52		53	WBS					REV
NC		NA		1.8						H6.10.02

AutoCAD

NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPLICABLE METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR INJURY OR DAMAGE RESULTING FROM THE USE OF ANY INFORMATION, APPLICABLE METHOD, OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDERS ARE NOT TO BE USED FOR OTHER PURPOSES AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.