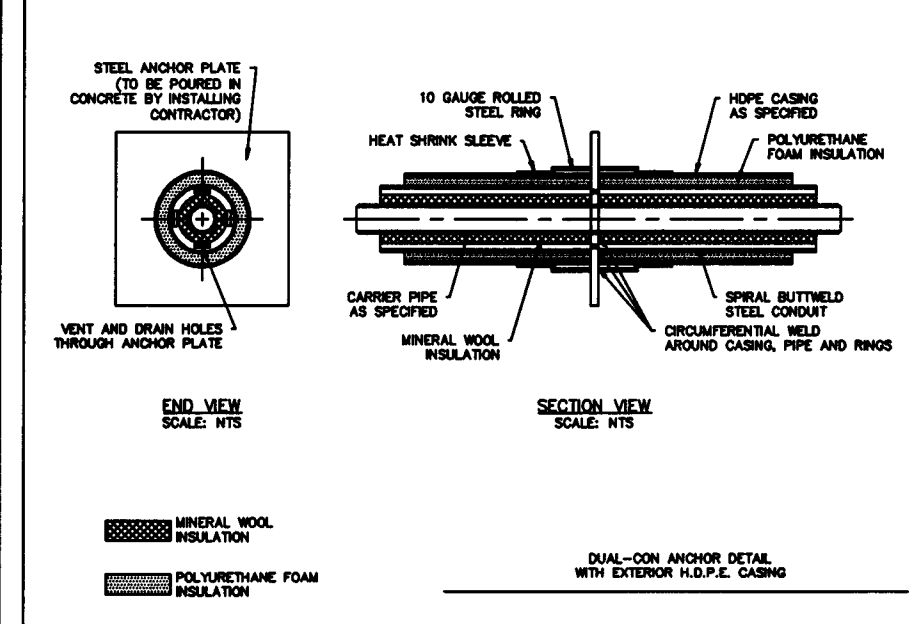
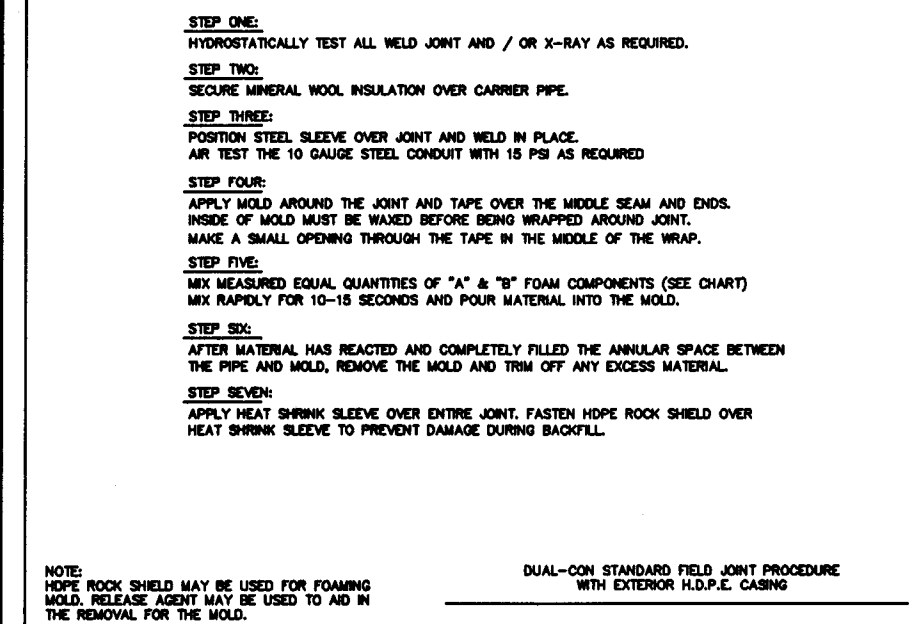
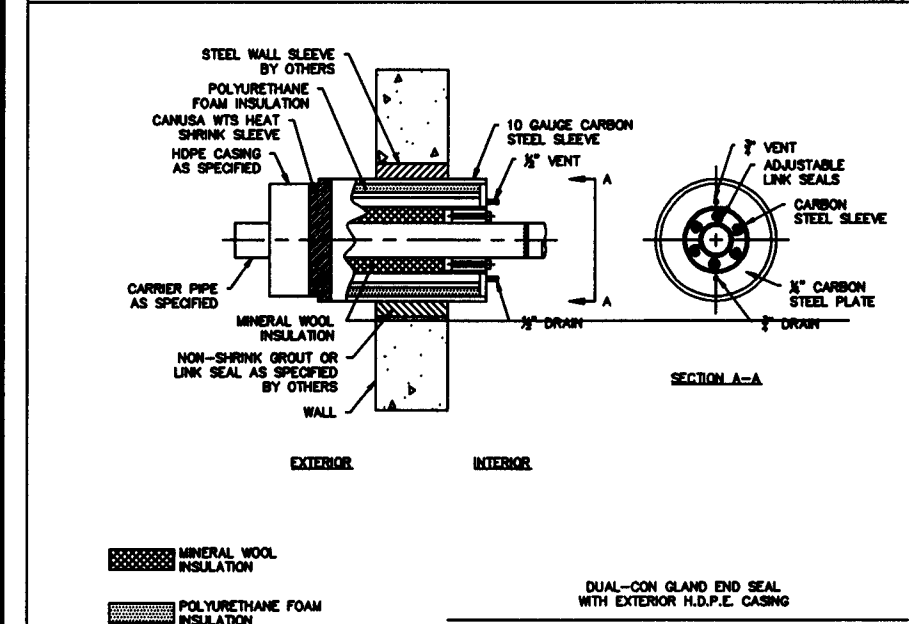
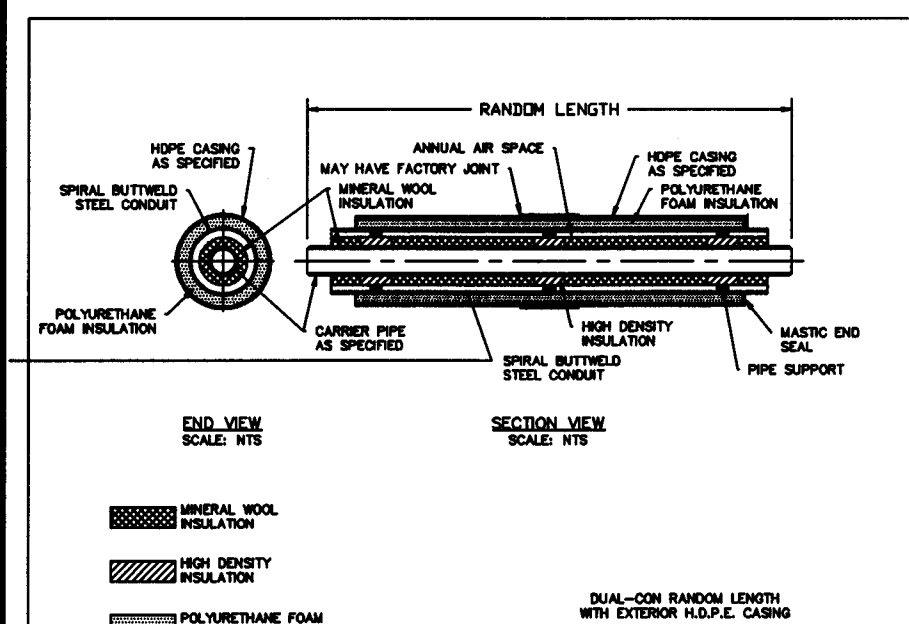
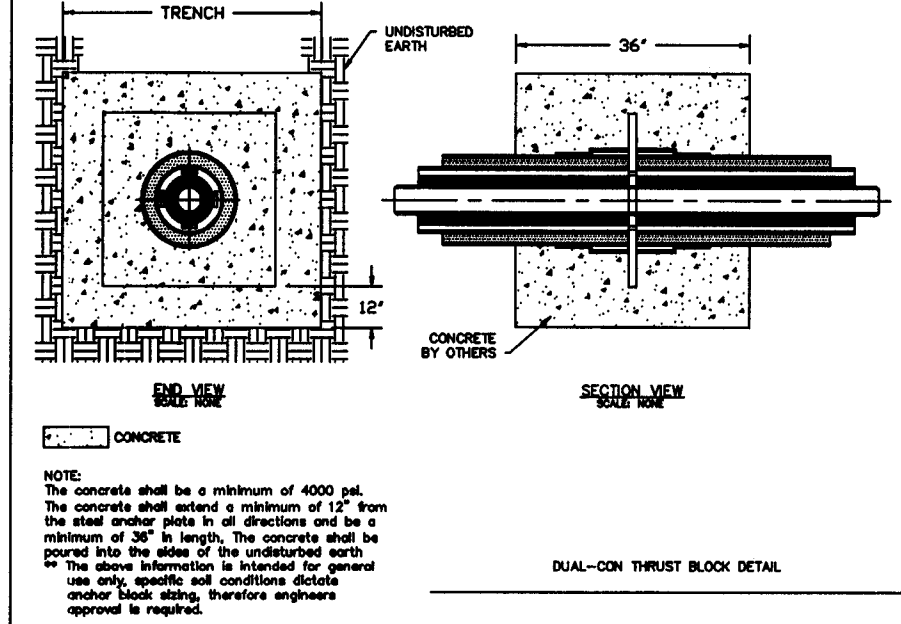
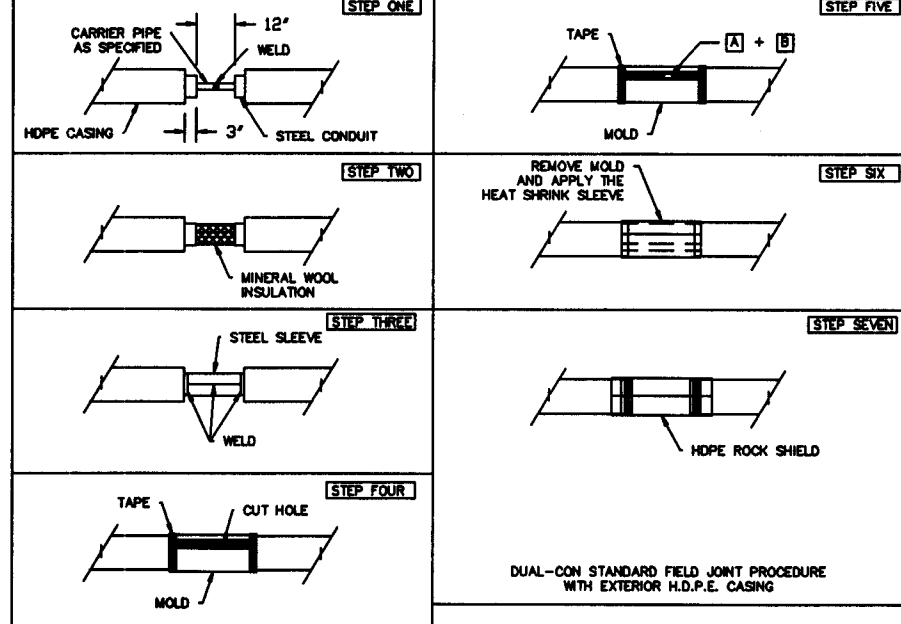
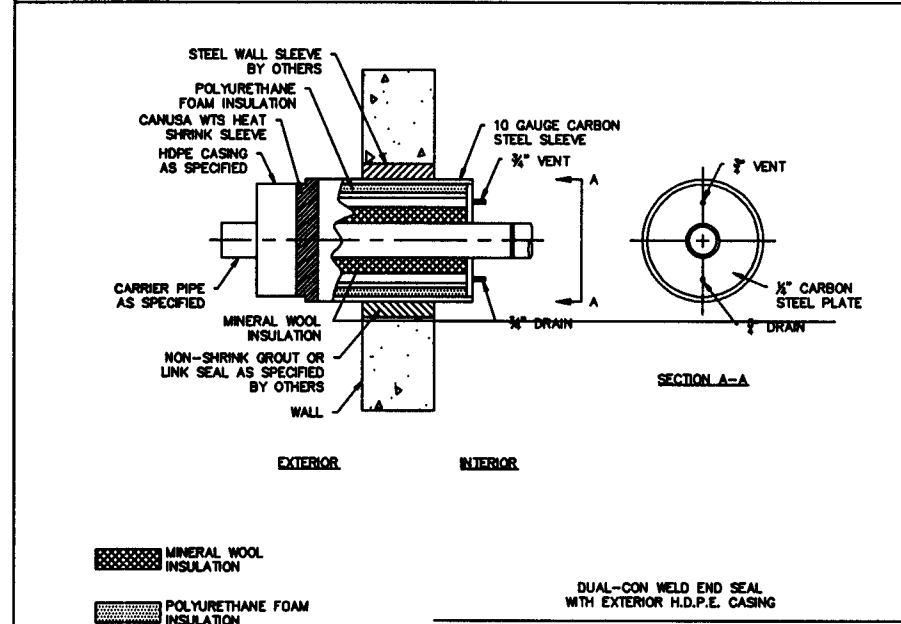
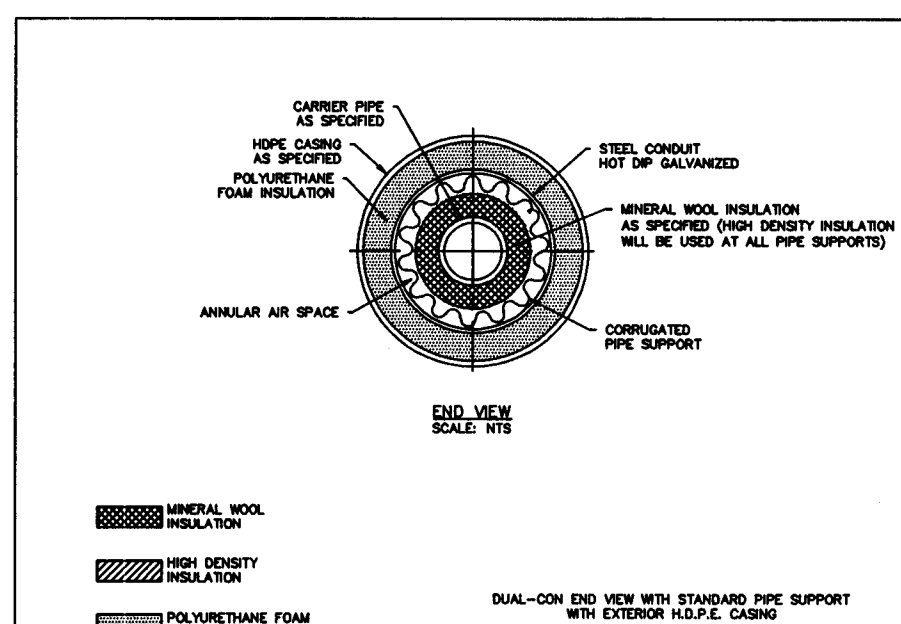


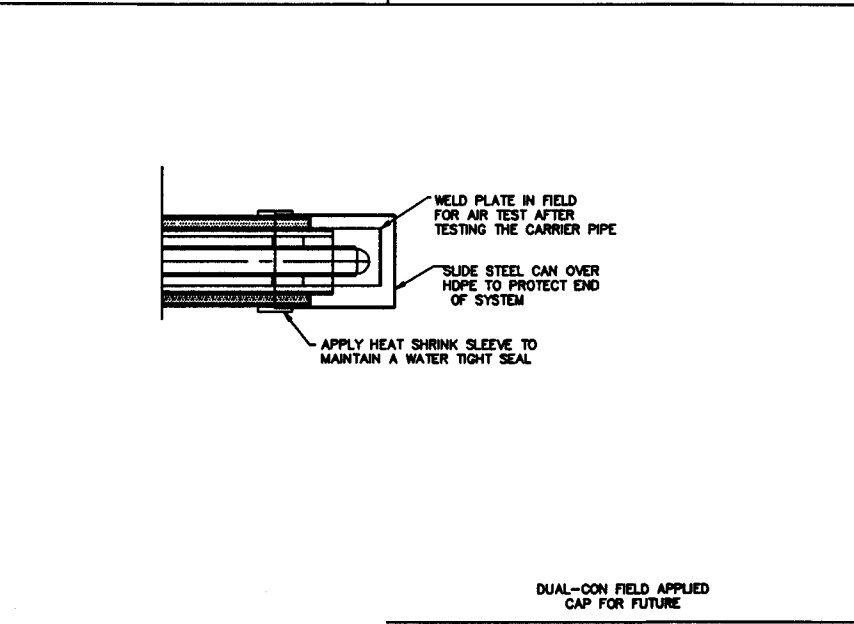
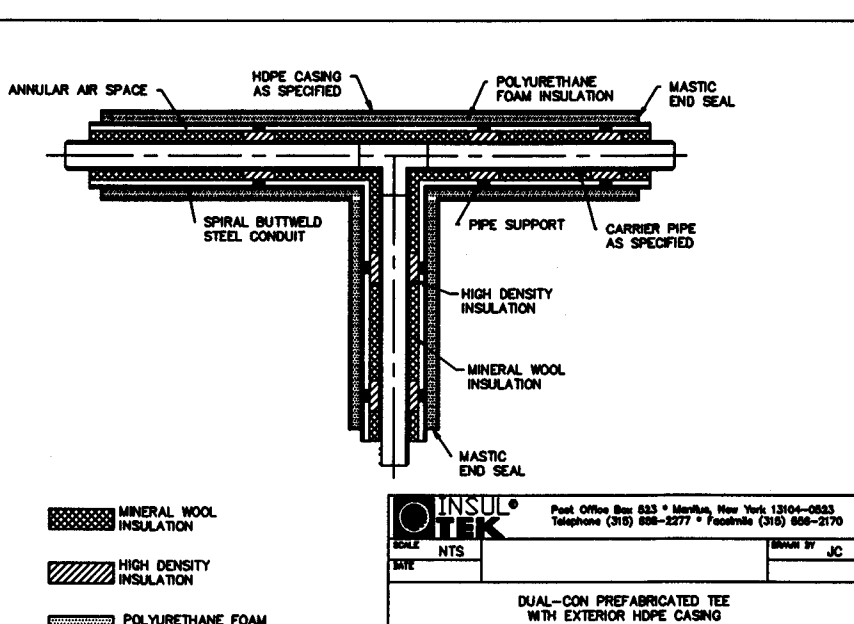
PLAIN VIEW
SCALE: 1"=10'-0"



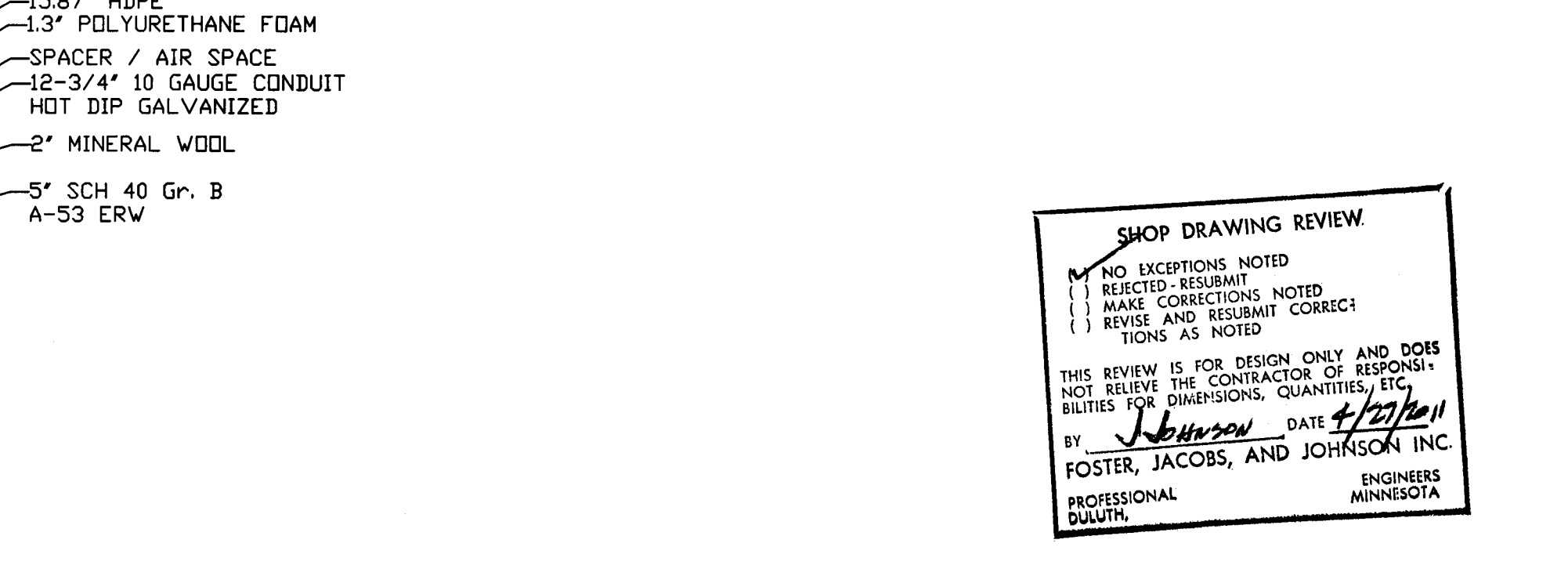
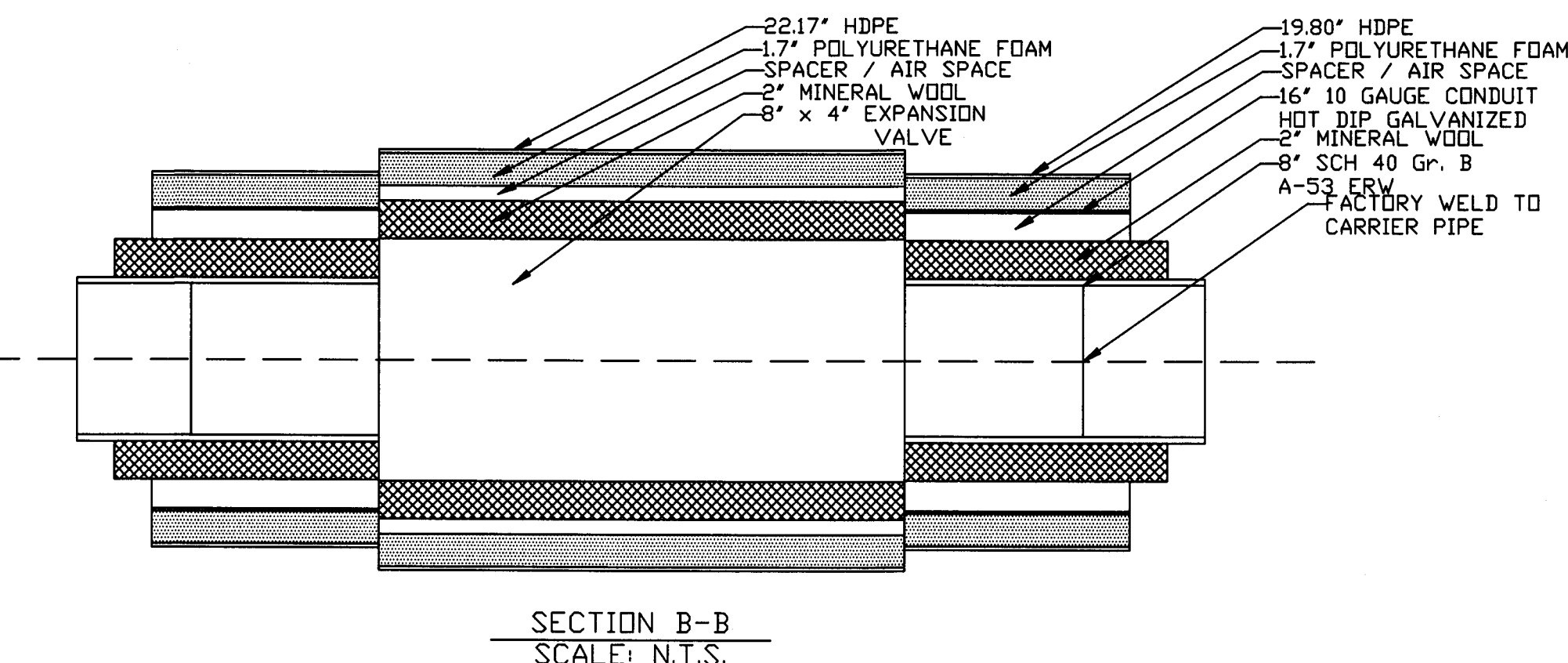
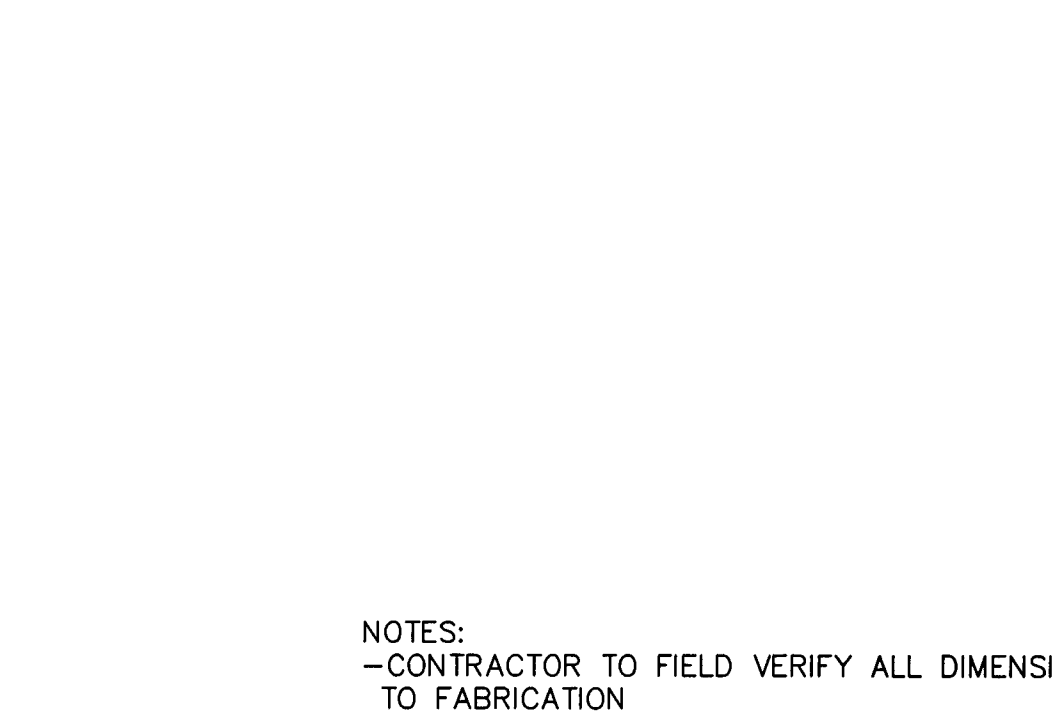
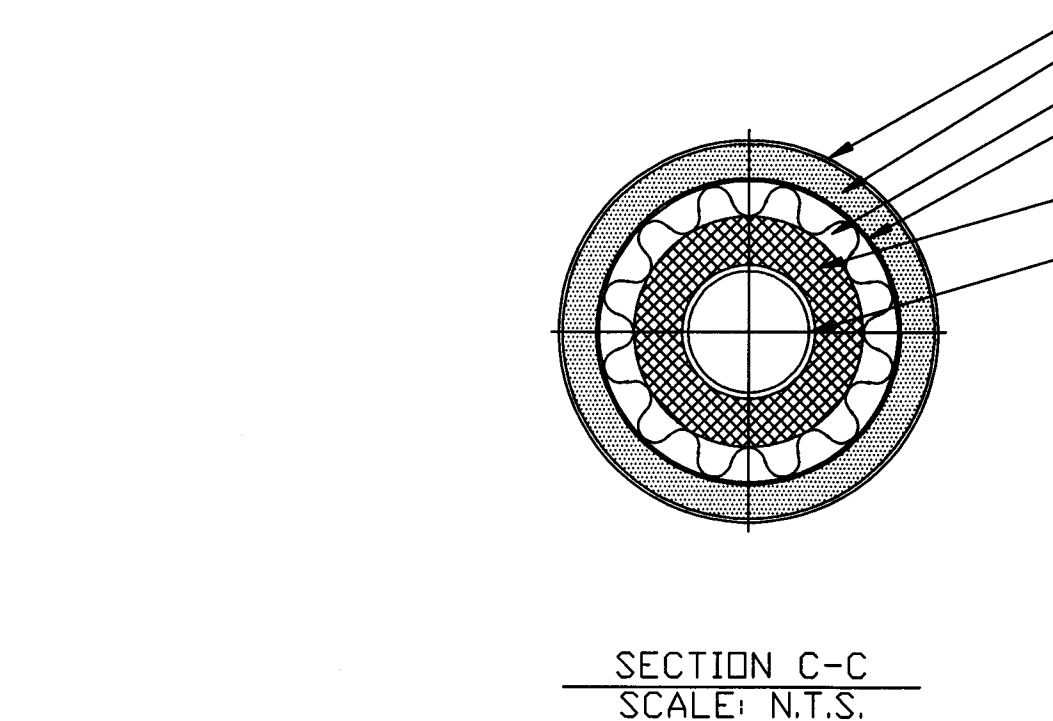
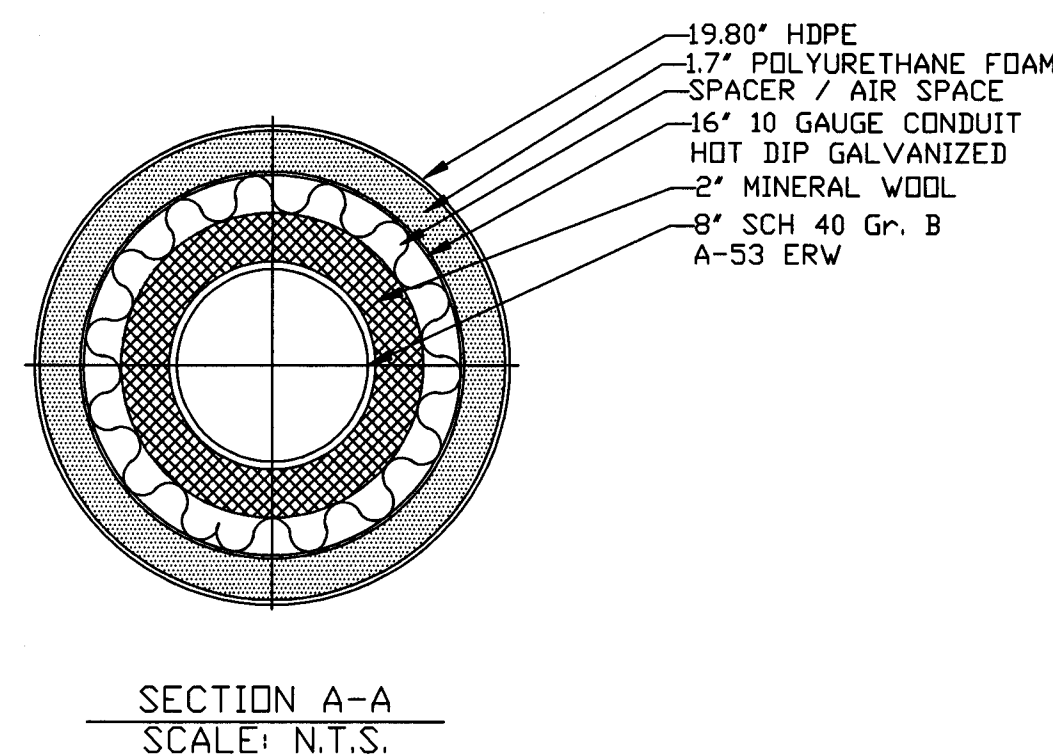
SYMBOL	DESCRIPTION
⊖	90° ELBOW TURNED UP
⊕	90° ELBOW TURNED DOWN
×	ANCHOR
[	END SEAL (WELD, GLAND, OR HEAT SHRINK)
—	EXPANSION PIPING
+	FIELD JOINT



SYMBOL	DESCRIPTION
⊖	90° ELBOW TURNED UP
⊕	90° ELBOW TURNED DOWN
×	ANCHOR
[	END SEAL (WELD, GLAND, OR HEAT SHRINK)
—	EXPANSION PIPING
+	FIELD JOINT



SYMBOL	DESCRIPTION
⊖	90° ELBOW TURNED UP
⊕	90° ELBOW TURNED DOWN
×	ANCHOR
[	END SEAL (WELD, GLAND, OR HEAT SHRINK)
—	EXPANSION PIPING
+	FIELD JOINT



SHOP DRAWING REVIEW
NO EXCEPTIONS NOTED
REJECTED - RESUBMIT
MAKE CORRECTIONS NOTED
REVISE AND RESUBMIT CORRECTIONS AS NOTED
THIS REVIEW IS FOR DESIGN ONLY AND DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITIES FOR DIMENSIONS, QUANTITIES, ETC.
BY *Johnson* DATE *4/27/11*
FOSTER, JACOBS, AND JOHNSON INC.
PROFESSIONAL
DULUTH, MINNESOTA

NOTES:
-CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION
-CONTRACTOR MAY HAVE TO MODIFY PIPE LENGTHS IN FIELD.
-THIS SYSTEM HAS BEEN DESIGNED TO BE INSTALLED AT 2'-0" CENTERS.
-PRIOR TO ANY MODIFICATIONS CONTRACTOR MUST NOTIFY MANUFACTURER IN WRITING.
-ALL DIMENSIONS ARE FROM CENTER OF FITTING TO CENTER OF FITTING, CENTER OF FITTING TO END OF CARRIER PIPE OR END OF CARRIER PIPE TO END OF CARRIER PIPE.
-ALL ANCHORS TO BE POURED IN CONCRETE BY THE INSTALLING CONTRACTOR (CONCRETE SUPPLIED BY OTHERS)
-FOR ADDITIONAL INFORMATION REFER TO CONTRACT DRAWINGS.

-	-	-	-	-	SHEET No.
-	-	-	-	-	1
-	-	-	-	-	OF 1
4/27/11	1	FIELD VERIFY DIMENSIONS			
DATE	REV. #	DESCRIPTION			
SERVICE	DESIGN PRESSURE	DESIGN TEMP.	AMBIENT TEMP.	EXP. RATE	
HPS	150 PSIG	-	-	2.572"/100FT	
APPROVED BY:	DATE:	INSUL TEK®			POST OFFICE BOX 523 MANLIUS, NEW YORK 13104-0523 TELEPHONE 315-656-2277 FAX 315-656-2170
SCALE: 1"=10'	FILE #:	2788-M1	DRAWN BY:	MTS	
DATE: 4/12/11	CITY OF DULUTH STEAM PLANT EXPANSION STEAM				
SUBMITTAL DRAWING					