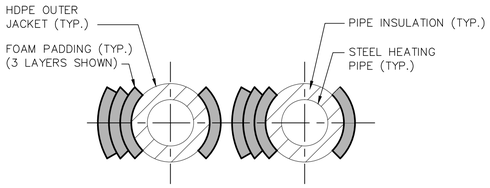
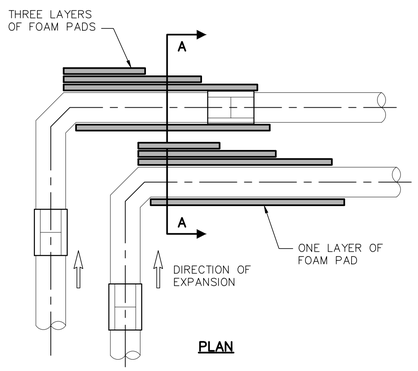


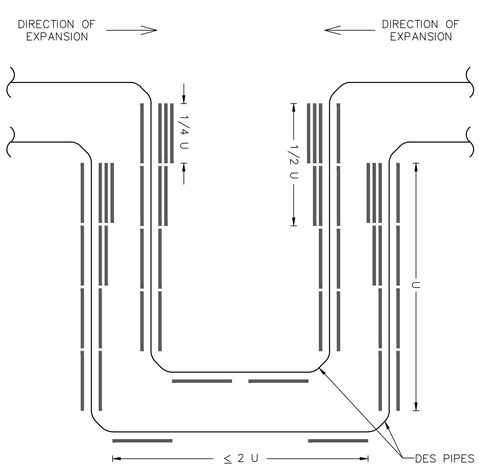
SECTION A–A



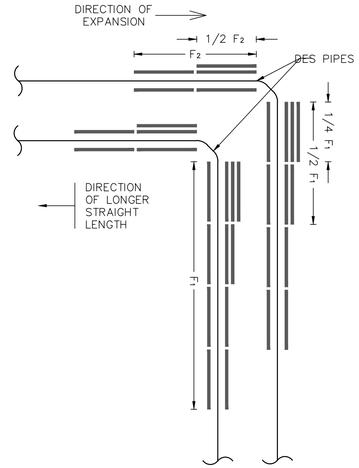
PLAN

NOTES:
1. WHEN FOAM PADDING IS SPECIFIED ON BOTH SIDES OF PIPE CASING (AS SHOWN), DO NOT WRAP FOAM PAD COMPLETELY AROUND PIPE CASING.
2. REFER TO DETAILS ON PLAN SHEETS FOR SPECIFIC NUMBER OF FOAM PAD LAYERS.
3. CUT FOAM PAD ONE PIPE DIAMETER WIDTH TO FIT PIPE CASING.
4. HOLD PADS SECURELY IN PLACE DURING BACK FILLING WITH 50 mm FIBRE TAPE.

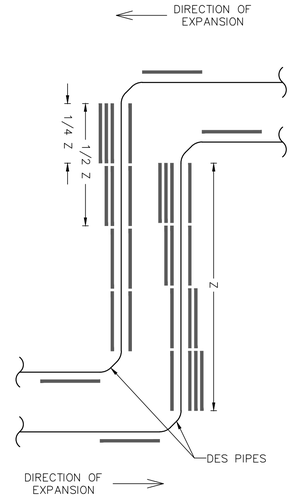
D.E.S. PRE–INSULATED HEATING PIPE FOAM PAD EXPANSION DETAIL (E –)
N.T.S.



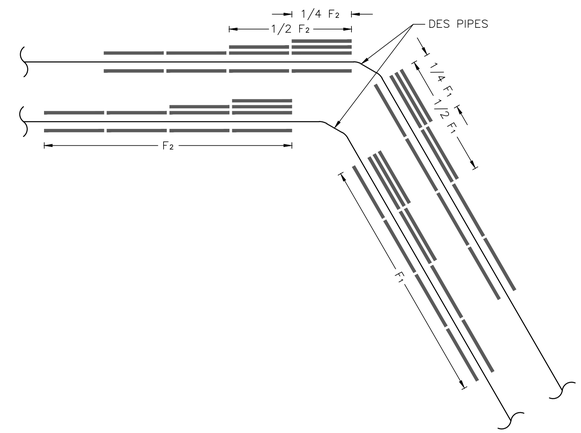
U–TYPE EXPANSION SHOWING 3 LAYERS OF FOAM PADS – DETAIL (G –)
N.T.S.



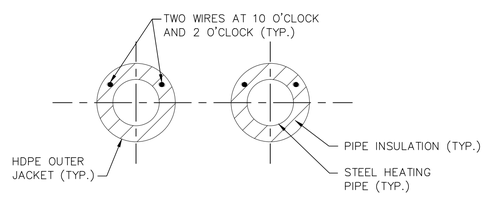
L–TYPE EXPANSION SHOWING 3 LAYERS OF FOAM PADS – DETAIL (H –)
N.T.S.



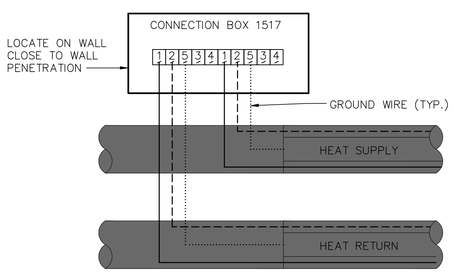
Z–TYPE EXPANSION SHOWING 3 LAYERS OF FOAM PADS – DETAIL (J –)
N.T.S.



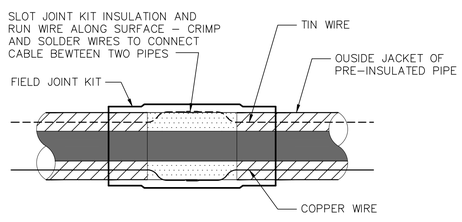
5° TO 80° BEND SHOWING 3 LAYERS OF FOAM PADS – DETAIL (K –)
N.T.S.



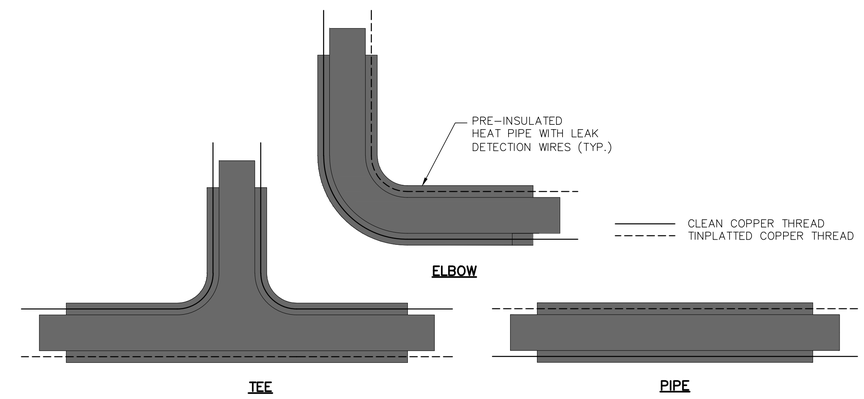
D.E.S. LEAK DETECTION PIPE ORIENTATION DETAIL (B –)
N.T.S.



TERMINAL BOX 1517 D.E.S. LEAK DETECTION CONNECTION SCHEMATIC (D –)
N.T.S.



D.E.S. SURVEILLANCE SYSTEM CABLE CONNECTION AT STRAIGHT JOINTS (C –)
N.T.S.



NOTES:
1. ORIENTATED ALL STRAIGHT PIPES SO THAT THE TINPLATED WIRE IS ON THE RIGHT (LOOKING AWAY FROM THE DIRECTION OF SUPPLY SOURCE).
2. ORIENTATED HORIZONTAL BENDS SO THAT THE TINPLATED WIRE IS PLACED ON THE INSIDE AND THE CLEAN COPPER WIRE ON THE OUTSIDE.
3. IN STRAIGHT TEE FITTINGS, THE CLEAN COPPER WIRE IS LED THROUGH THE BRANCH AND BACK AGAIN.
4. FOLLOWING A BEND OR TEE, IT MAY BE NECESSARY TO CONNECT THE CLEAN COPPER WIRE TO THE TINPLATED ONE. REFER TO THE MANUFACTURERS WRITTEN INSTALLATION MANUAL FOR DETAILED INSTRUCTIONS.
5. FOR TEES AND FITTINGS CAPABLE OF VARIOUS ORIENTATION, ENSURE TIN PLATED AND COPPER WIRES ARE CONSISTENT AND NOT CROSSED.

D.E.S. LEAK DETECTION WIRING DETAILS (F –)
N.T.S.

AT FULL SIZE THIS BAR MEASURES 100mm. ALL SCALES REFERENCED TO FULL SIZE

Jul.26/16 10:49 AM

Q:\2100-2199\2108-012\50-Drawings\a_Production_Dwgs\2108012-H92-Rev1.dwg

ISSUED INFORMATION	Issued for	Issue	Date	Issued By
	Reference			
	Approvals	A0	Jul.26/16	AMF
	Tender			
	Permits			
	Construction	C0	Sep.26/16	AMF
	Record Drawings			

REVISION INFORMATION	Rev. No.	Date	Designed	Drawn	Checked	Description of Revision
	0	Jul.26/16	KAW	SB	AMF	ISSUED FOR CLIENT REVIEW
	1	Sep.26/16	EMOS	SB	AMF	ISSUED FOR CONSTRUCTION

The University of British Columbia

PROFESSIONAL ENGINEER – PROVINCE OF BRITISH COLUMBIA – A. M. FAHMY # 35522 – 2018-09-26
Seal

KERR WOOD LEIDAL consulting engineers

THE UNIVERSITY OF BRITISH COLUMBIA
UBC DISTRICT ENERGY SYSTEM - TALL WOOD BLDG.
STANDARD DETAILS - SHEET 2

KWL Project No. 2108-012 | Scale AS SHOWN | H92 Drawing Number
Sheet 4 of 4 | Rev. No. 1
Client: The University of British Columbia