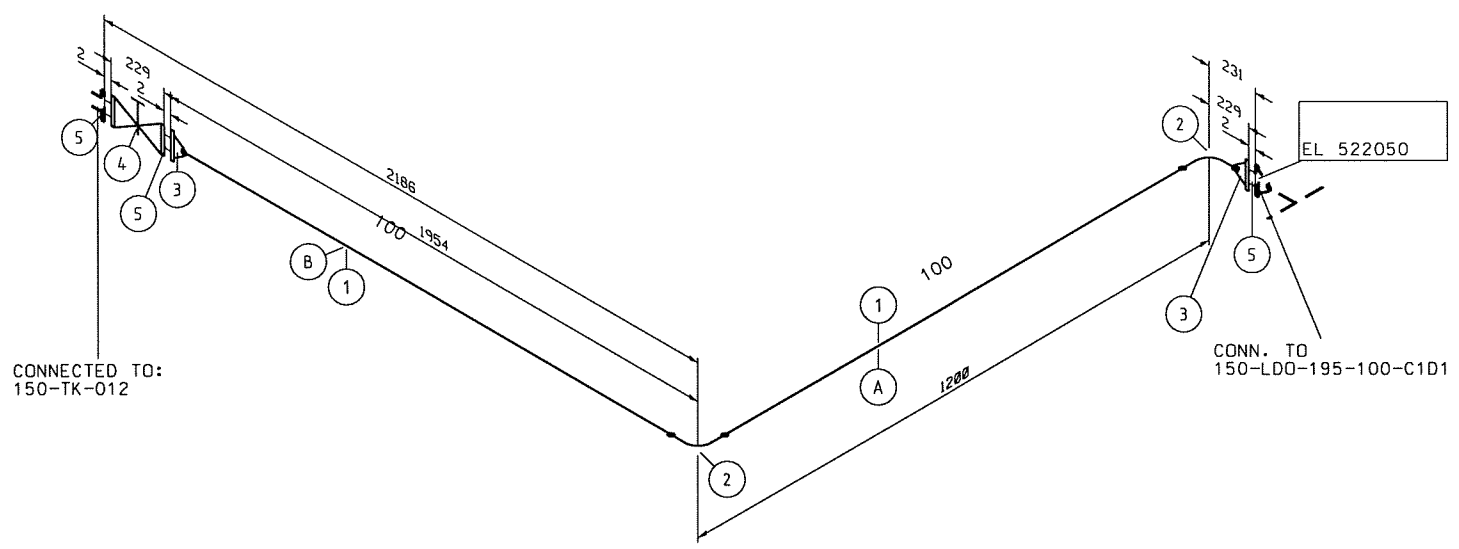


PERMIT TO PRACTICE
HATCH LTD.
Signature B. Bruman
Date January 31, 2005
PERMIT NUMBER: P 512
The Association of Professional Engineers,
Geologists and Geophysicists of the NWT / NU

					MATERIAL TYPE			NOM OP TEMP			P&ID NO.	150-06-0101
					P.W.H.T.			NOM OP PRESSURE			LDT REF	
					NDT			INSULATION			PIPE SPEC	
					TEST MEDIA			PAINT SPEC			FAB SPEC	
					TEST PRESSURE			COLOUR CODE			DESIGN CODE	
0	FABRICATION CG-501											
REV.	ISSUE FOR	AUTH. BY	STRESS	DATE								

Shop Materials				BILL OF MATERIALS	
Item	Qty	Spec	Size1-Size2	Description	
1	2620	C1D1	100	Pipe CS, SMLS, BE, STD, ASTM-A333/A GR. 6, ANSI B36.10	
2	2	C1D1	100	ELBOW 90 Degrees, ANSI B16.9, CS, BE, STD wt., ASTM A350 LF-2, ANSI B16.9	
3	2	C1D1	100	FLANGE, WELDING NECK 150 lb R.F., ASTM A350 LF-2, ANSI B16.5	
4	1	C1D1	100	VALVE, CL150 RF, ASTM A351 LCC Body, HALF-STELLITE TRIM, Crane Fig. 47LUF c/w RELIEF VALVE CONBRACO Fig. 5110CB	
5	3	C1D1	100	GASKET, CL150, 2MM thk., Ring type. GARLOCK FLEXSEAL RW1, ASME B16.20	

Item	Size	Pipe Cut-Lengths	Description
A	100	895	Pipe CS, SMLS, BE, STD, ASTM-A333/A GR. 6, ANSI B36.10
B	100	1725	Pipe CS, SMLS, BE, STD, ASTM-A333/A GR. 6, ANSI B36.10

System	Line no	Spool	Spec	Diameter	2ND diam
LD0	192		C1D1	100	

HATCH

DESIGNED BY B. Bruman DATE 31.01.05
CHECKED BY [Signature] DATE 21/1/2005
PROJ. DES. COORD. [Signature] DATE 31/01/05
PROJ. MGR. [Signature] DATE 2005/01/21

DRAWN BY [Signature] DATE 21/1/2005
DISCIP. ENGR. [Signature] DATE 31/01/05
PROJ. ENGR. [Signature] DATE 31/01/05

PROJECT NUMBER
316996

AREA
150

LINE NUMBER
150-LD0-192-100-C1D1

DRG. NO. **150-04-192-C1D1-1**

SHEET
1 OF 1

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