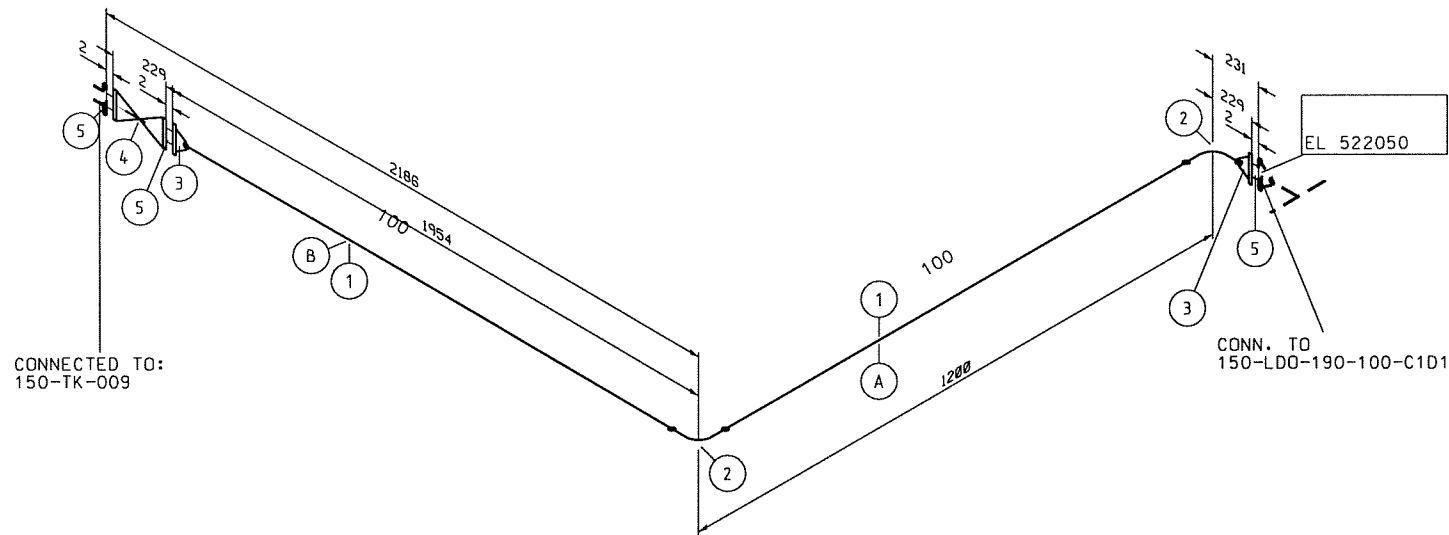


PERMIT TO PRACTICE
HATCH LTD.

Signature B. Buman

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	Size	Size2	Description	
1	2620	C101	100		Pipe CS, SMLS, BE, STD, ASTM-A333/A GR. 6, ANSI B36.10	
2	2	C101	100		ELBOW 90 Degrees, ANSI B16.9, CS, BE, STD wt., ASTM A350 LF-2, ANSI B16.9	
3	2	C101	100		FLANGE, WELDING NECK 150 lb R.F., ASTM A350 LF-2, ANSI B16.5	
4	1	C101	100		VALVE, CL150 RF, ASTM A351 LCC Body, HALF-STELLITE TRIM, Crane Fig. 47LUF c/w	
					RELIEF VALVE CONBRACO Fig. 511DCB	
5	3	C101	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
LDO	189		C101	100	

HATCH		JERICO DIAMOND PROJECT		PROJECT NUMBER 316996
DESIGNED BY <u>B. Buman</u> DATE <u>31/01/05</u>	DRAWN BY <u>B. Buman</u> DATE <u>21/1/2005</u>	AREA 150		LINE NUMBER 150-LDO-189-100-C1D1
CHECKED BY <u>B. Buman</u> DATE <u>31/01/05</u>	DISCIP. ENGR. <u>B. Buman</u> DATE <u>31/01/05</u>	PROJ. DES. COORD. <u>B. Buman</u> DATE <u>31/01/05</u>		PROJ. ENGR. <u>B. Buman</u> DATE <u>31/01/05</u>
PROJ. MGR. <u>B. Buman</u> DATE <u>31/01/05</u>	DRG. NO. 150-04-189-C1D1-1		SHEET 1 OF 1	REV. 0