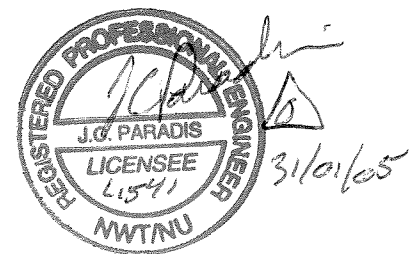




EL 522050



PERMIT TO PRACTICE
HATCH LTD.
Signature *B. Bruner*
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	23800	C101	100		Pipe CS, SMLS, BE, STD, ASTM-A333/A GR. 6, ANSI B36.10
2	4	C101	100		TEE, BE, STD WT, CS ASTM A350 LF-2, ANSI B16.9
3	11	C101	100		FLANGE, WELDING NECK 150 1b R.F., ASTM A350 LF-2, ANSI B16.5
4	1	C101	100		FLANGE, WELDING NECK 150 1b F.F., ASTM A350 LF-2, ANSI B16.5
5	1	C101	100		FLANGE, BLIND 150 1b R.F., ASTM A350 LF-2, ANSI B16.5
6	1	C101	100		VALVE, CL150 RF, OS&Y, ASTM A351 LCC Body, HALF-STELLITE TRIM, Crane Fig. 47LUF
7	1	C101	100		VALVE, CL150 RF, ASTM A351 LCC Body, HALF-STELLITE TRIM, Crane Fig. 47LUF c/w RELIEF VALVE CONBRACO Fig. 5110CB
8	7	C101	100		GASKET, CL150, 2MM thk., Ring type, GARLOCK FLEXSEAL RW1, ASME B16.20

Item	Size	Pipe Cut-Lengths	Description
A	100	8917	Pipe CS, SMLS, BE, STD, ASTM-A333/A GR. 6, ANSI B36.10
B	100	2191	Pipe CS, SMLS, BE, STD, ASTM-A333/A GR. 6, ANSI B36.10
C	100	10501	Pipe CS, SMLS, BE, STD, ASTM-A333/A GR. 6, ANSI B36.10
D	100	2191	Pipe CS, SMLS, BE, STD, ASTM-A333/A GR. 6, ANSI B36.10

System	Line no	Spool	Spec	Diameter	2ND diam
LDO	195		C101	100	

HATCH

DESIGNED BY *Bruner* DRAWN BY *Bruner*
DATE *31/01/05* DATE *21/1/2005*
CHECKED BY *Bruner* DISCIPLINE ENGR
DATE *31/01/05* DATE *31/01/05*
PROJ. DES. COORD. *Bruner* PROJ. ENGR
DATE *31/01/05* DATE *31/01/05*
PROJ. MGR. *Bruner*
DATE *2005/01/31*

JERICO DIAMOND PROJECT

AREA **150** LINE NUMBER **150-LDO-195-100-C101**

ORG. NO. **150-04-195-C101-1** SHEET **1 OF 1** REV. **0**