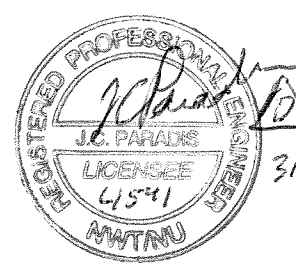




EL 522050



PERMIT TO PRACTICE
HATCH LTD.
Signature B. Brunan
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	FABRIKATION 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	12	C101	100	FLANGE, WELDING NECK 150 lb R.F., ASTM A350 LF-2, ANSI B16.5
4	1	C101	100	FLANGE, BLIND 150 lb R.F., ASTM A350 LF-2, ANSI B16.5
5	2	C101	100	VALVE, CL150 RF, OS&Y, ASTM A351 LCC Body, HALF-STELLITE TRIM, Crane Fig. 47LUF
6	7	C101	100	GASKET, CL150, 2MM thk., Ring type, GARLOCK FLEXSEAL RWI, 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	190		C101	100	

HATCH		JERICO DIAMOND PROJECT		PROJECT NUMBER 316996
DESIGNED BY <u>B. Brunan</u> DATE <u>31/01/05</u>	DRAWN BY <u>B. Brunan</u> DATE <u>21/1/2005</u>	AREA 150 LINE NUMBER 150-LDO-190-100-C101		
CHECKED BY <u>B. Brunan</u> DATE <u>31/01/05</u>	DISCIP. ENGR. <u>B. Brunan</u> DATE <u>31/01/05</u>			
PROJ. DES. COORD. <u>B. Brunan</u> DATE <u>31/01/05</u>	PROJ. ENGR. <u>B. Brunan</u> DATE <u>31/01/05</u>			
PROJ. MGR. <u>B. Brunan</u> DATE <u>2005/01/31</u>				
DRG. NO. 150-04-190-C101-1		SHEET 1 OF 1	REV. 0	