

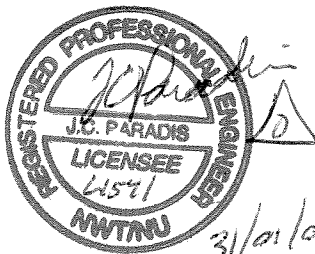


EL 523854

80

CONN. TO
050-LDO-211-80-C1D1

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	10/01/05	31/01/05							
REV.	ISSUE FOR	AUTH. BY	STRESS	DATE						

Shop Materials					BILL OF MATERIALS
Item	Qty	Spec	Size	Size2	Description
1	11157	C1D1	80		Pipe CS, SMLS, BE, STD, ASTM-A333/A GR. 6, ANSI B36.10
2	1	C1D1	80		FLANGE, WELDING NECK 150 1b F.F., ASTM A350 LF-2, ANSI B16.5
3	2	C1D1	80		FLANGE, WELDING NECK 150 1b R.F., ASTM A350 LF-2, ANSI B16.5
4	1	C1D1	80		VALVE, CL150 RF, OS&Y, ASTM A351 LCC Body, HALF-STELLITE TRIM, Crane Fig. 47LUF
5	3	C1D1	80		GASKET, CL150, 2MM thk., Ring type, GARLOCK FLEXSEAL RWI, ASME B16.20

Item	Size	Pipe Cut-Lengths	Description
A	80	10857	Pipe CS, SMLS, BE, STD, ASTM-A333/A GR. 6, ANSI B36.10
B	80	300	Pipe CS, SMLS, BE, STD, ASTM-A333/A GR. 6, ANSI B36.10

System	Line no	Spool	Spec	Diameter	2ND diam
LDO	210		C1D1	80	

HATCH

DESIGNED BY
B. Bruman
DATE 31.01.05
CHECKED BY
B. Bruman
DATE 31.01.05
PROJ. DES. COORD.
B. Bruman
DATE 31.01.05
PROJ. MGR.
B. Bruman
DATE 2005/01/31

DRAWN BY
B. Bruman
DATE 26/1/2005
DISCIP. ENGR.
B. Bruman
DATE 31/01/05
PROJ. ENGR.
B. Bruman
DATE 31/01/05

PROJECT NUMBER
316996

AREA
050

LINE NUMBER
050-LDO-210-80-C1D1

DRG. NO.
050-04-210-C1D1-1

SHEET
1 OF 1

REV.
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