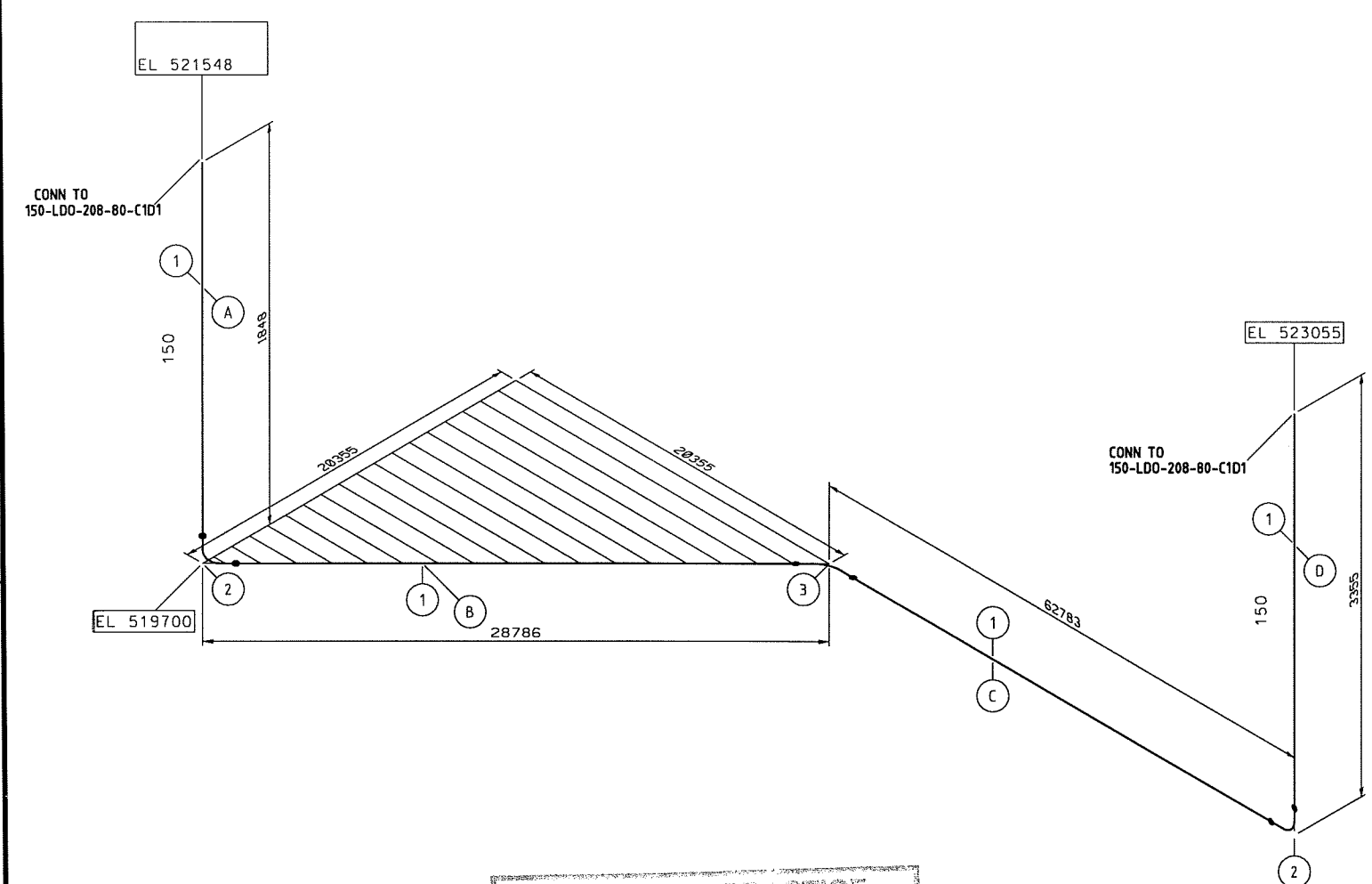


PERMIT TO PRACTICE
HATCH LTD.
Signature B. Brunan
Date January 31, 2005
PERMIT NUMBER: P 512
The Association of Professional Engineers,
Geologists and Geophysicists of the NWT / NU

					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	FABRICATION CG-501	1/1/05	3/10/05							
REV.	ISSUE FOR	AUTH. BY	STRESS	DATE						

Shop Materials						BILL OF MATERIALS					
Item	Qty	Spec	Size	Size2	Description						
1	95972	CIAI	150		Pipe CS, ERW, BE, STD, ASTM-A53-B, ANSI B36.10						
2	2	CIAI	150		ELBOW 90 Degrees, Short Rad., CS, BE, STD wt., ASTM A234 WPB, ANSI B16.9						
3	1	CIAI	150		ELBOW 45 Degrees, CS, BE, STD wt., ASTM A234 WPB, ANSI B16.9						

Item	Size	Pipe Cut-Lengths	Description
A	150	1695	Pipe CS, ERW, BE, STD, ASTM-A53-B, ANSI B36.10
B	150	28538	Pipe CS, ERW, BE, STD, ASTM-A53-B, ANSI B36.10
C	150	62536	Pipe CS, ERW, BE, STD, ASTM-A53-B, ANSI B36.10
D	150	3203	Pipe CS, ERW, BE, STD, ASTM-A53-B, ANSI B36.10

System	Line no	Spool	Spec	Diameter	2ND diam
LDO	208A		CIAI	150	

HATCH		PROJECT NUMBER	
DESIGNED BY <u>W. K. G. G. G.</u> DATE <u>26/1/2005</u>		316996	
CHECKED BY <u>W. K. G. G. G.</u> DATE <u>3/10/05</u>			
PROJ. DES. COORD. <u>W. K. G. G. G.</u> DATE <u>3/10/05</u>		AREA	LINE NUMBER
PROJ. MGR. <u>W. K. G. G. G.</u> DATE <u>3/10/05</u>		150	150-LDO-208A-150-C1A1
DATE <u>2005/01/31</u>		DRG. NO. 150-04-208A-C1A1-1	
		SHEET	REV.
		1 OF 1	0