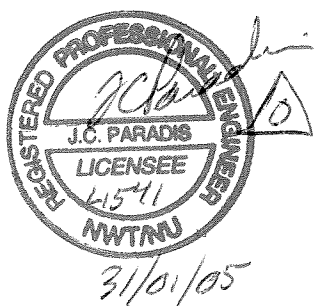
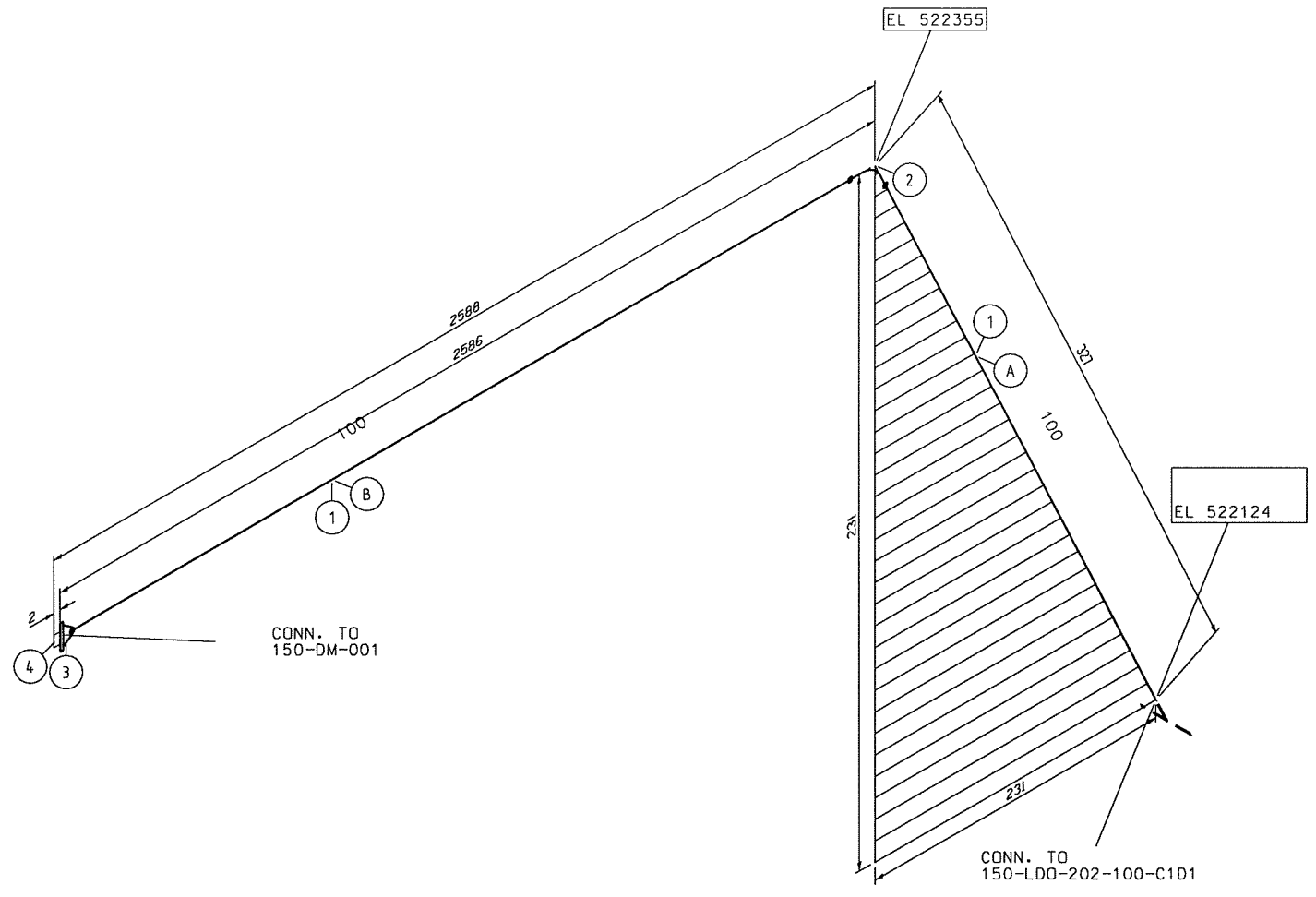




PERMIT TO PRACTICE
HATCH LTD.
Signature B. Bruman
Date January 31, 2005
PERMIT NUMBER: P 512
The Association of Professional Engineers,
Geologists and Geophysicists of the NWT / NU

			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							
REV.	ISSUE FOR	AUTH. BY	STRESS	DATE				

Shop Materials					BILL OF MATERIALS
Item	Qty	Spec	Size	Size2	Description
1	2709	C1D1	100		Pipe CS, SMLS, BE, STD, ASTM-A333/A GR. 6, ANSI B36.10
2	1	C1D1	100		ELBOW 45 Degrees, ANSI B16.9, CS, BE, STD wt., ASTM A350 LF-2, ANSI B16.9
3	1	C1D1	100		FLANGE, WELDING NECK 150 lb R.F., ASTM A350 LF-2, ANSI B16.5
4	1	C1D1	100		GASKET, CL150, 2MM thk., Ring type, GARLOCK FLEXSEAL RW1, ASME B16.20

Item	Size	Pipe Cut-Lengths	Description
A	100	263	Pipe CS, SMLS, BE, STD, ASTM-A333/A GR. 6, ANSI B36.10
B	100	2446	Pipe CS, SMLS, BE, STD, ASTM-A333/A GR. 6, ANSI B36.10

System	Line no	Spool	Spec	Diameter	2ND diam
LD0	203		C1D1	100	

HATCH

DESIGNED BY B. Bruman DATE 31.01.05
CHECKED BY [Signature] DATE 31.01.05
PROJ. DES. COORD. [Signature] DATE 31.01.05
PROJ. ENGR. [Signature] DATE 31.01.05
PROJ. MGR. [Signature] DATE 2005/01/27

DRAWN BY [Signature] DATE 21/1/2005
DISCIP. ENGR. [Signature] DATE 31.01.05
PROJ. ENGR. [Signature] DATE 31.01.05

PROJECT NUMBER
316996

AREA
150

LINE NUMBER
150-LD0-203-100-C1D1

DRG. NO. **150-04-203-C1D1-1**

SHEET
1 OF 1

REV.
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