

WEATHERFORD CANADA
TRIPLEX PACKAGE 150HP ELECTRIC DRIVE
ISSUED FOR FABRICATION - WFC001-001 (3312.000)

[illegible]

Lauren Concise

300, 736 - 6 Avenue S.W. Calgary, Alberta T2P 3T7
Telephone: (403) 237-7160 Fax: (403) 237-7166

UH-901
UNIT HEATER
MODEL: CATADYNE
SIZE: 24"x24"
EXPLOSION PROOF

P-801
INJECTION PUMP
MODEL: W165 TRIPLEX PUMP
5" STROKE
PUMP PART# 1828412

D-801
DRIVER
MAKE: TECO WESTINGHOUSE
TYPE: AEHHBN TEFC
150HP, 3/30/1

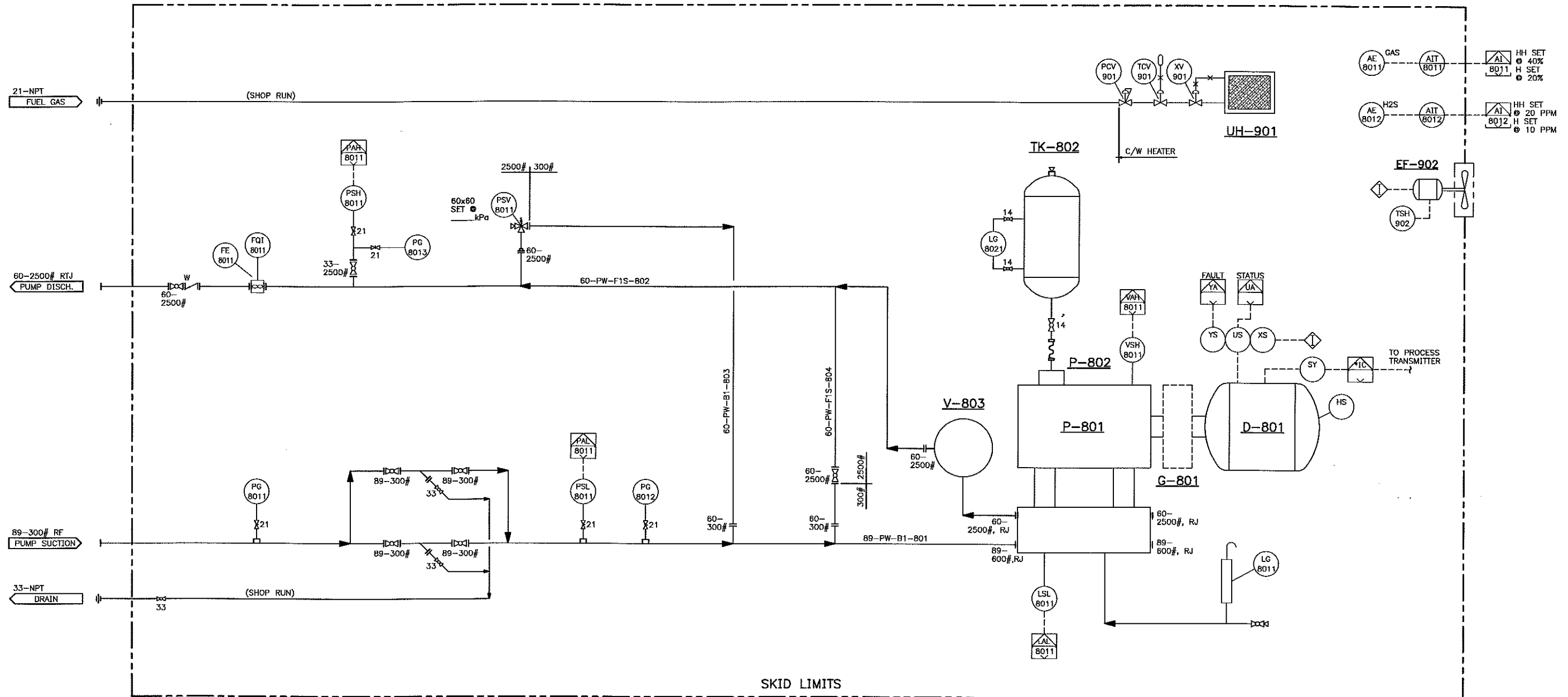
P-802
LUBE OIL PUMP
MODEL: 701103
MAKE: CPI LUBRICATION GROUP

TK-802
LUBE OIL TANK
CAPACITY:
NO DATA

V-803
PULSATION DAMPENER
MODEL: OR-14-5000CS
MAWP: 5000 PSIG @ 250°F
MDMT: 33°F @ 5000 PSIG
CA = 0.0"

G-801
GEAR REDUCER
MAKE: NORD
MODEL: SK 92 W

EF-902
EXHAUST FAN



NOTES:

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REFERENCE DWG No.

DESCRIPTION

No

DATE

REVISIONS

DRAWN

CHK.

APPD.

PERMIT NUMBER:

PERMIT P11520

PROJECT NUMBER

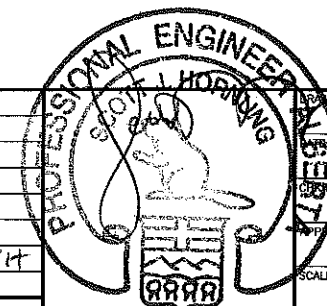
WFC001-001 (3312.000)

DRAWING NUMBER

3312-00-3052

REV.

0



Lauren Concise

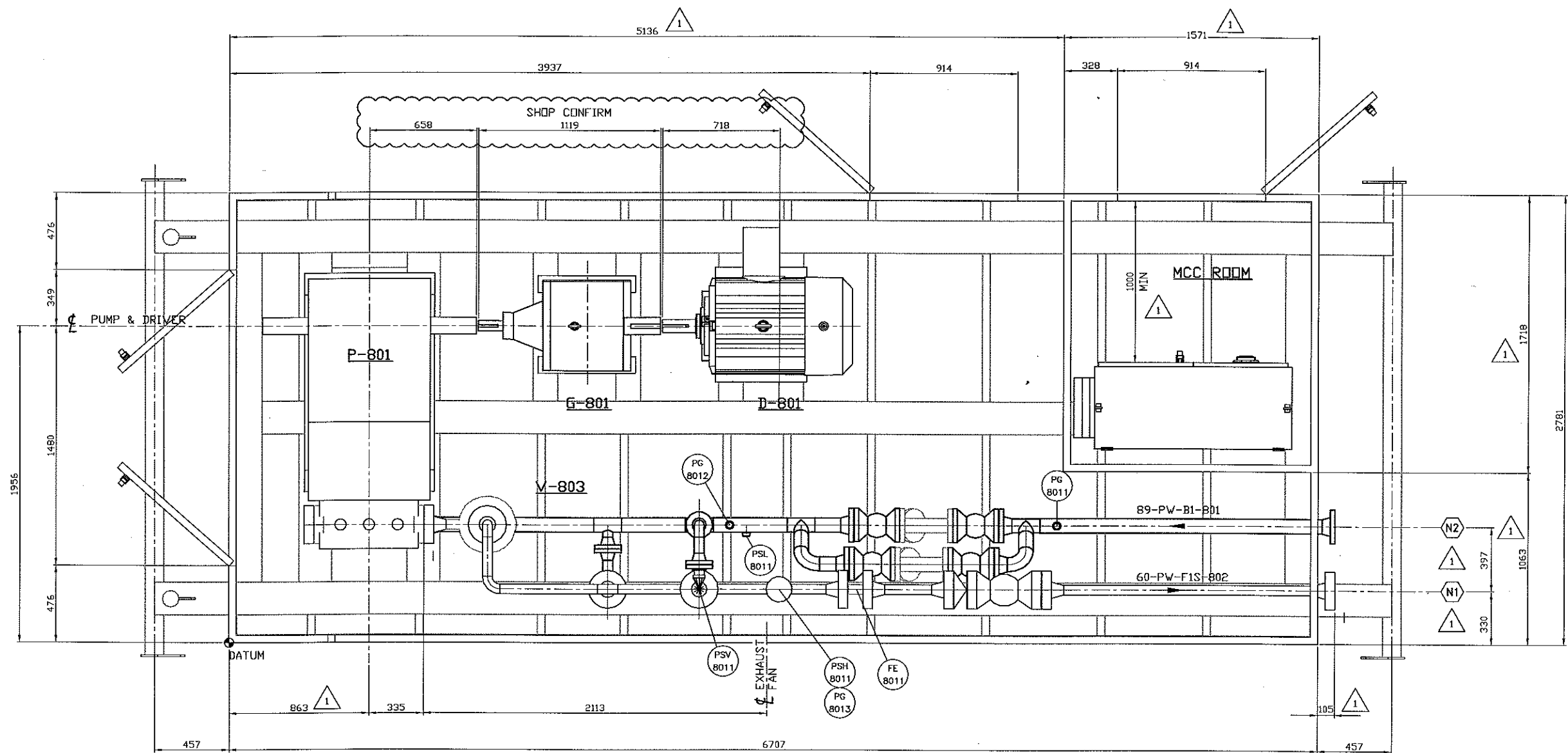
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WEATHERFORD CANADA

TRIPLEX PACKAGE
150HP ELECTRIC DRIVE
P & ID

FILE NAME: G:\3312\DRAWINGS\MECH\3312-00-3052.DWG --- MENU: C:\ACADUSER\SUPPORT\ACAD_2010 --- PLOTTED: 2011.12.22 9:05am --- WIL.ClarK

NOZZLE SCHEDULE				
NL	SIZE	RATING	TYPE	SERVICE
N1	60	2500#	RTJ	DISCHARGE
N2	88.9	300#	RFWN	INLET

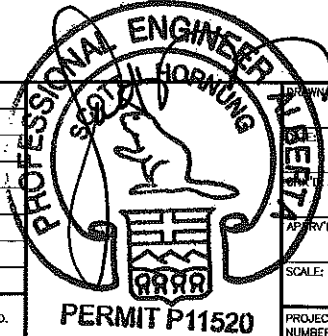


PLAN VIEW
FULL PACKAGE W/BUILDING
SCALE 1/15

- NOTES:
- PIPE SUPPORT LOCATIONS BY THE SHOP.
 - CERT. VENDOR DATA P-801
 - COUPLING DETAILS, MOTOR TO GEAR BOX TO PUMP BY SHOP.
 - MCC ROOM IS NON-HAZARDOUS.
 - PROCESS ROOM IS WIRED AS CLASS 1, ZONE 2.
 - PROCESS ROOM IS WIRED WITH GAS DETECTION AND AN EXHAUST FAN.
 - CONTROL SYSTEM IS WIRED WITH A CALLOUT.
 - NO SPACING RESTRICTIONS FOR THIS PACKAGE TO A SEPARATOR OR WELLHEAD FOR USE IN ALBERTA.
 - IN ADDITION TO NOTE 5 ALL OTHER SPACING REQUIREMENTS MUST BE REVIEWED AND DETERMINED ON A SITE SPECIFIC BASIS TO CONFIRM COMPLIANCE WITH GOVERNING CODE OR GUIDELINE.

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REFERENCE DWG No.	DESCRIPTION	No	DATE	REVISIONS	DRAWN	CHK.	APPD.
3312-00-5051	SKID DETAILS	1	2012-01-23	REVISED DIMENSIONS AS NOTED	DS		
3312-00-3052	PIPING AND INSTRUMENTATION DIAGRAM	0	2011-12-07	ISSUED FOR FABRICATION	TT		
		A	2011-11-28	ISSUED FOR APPROVAL	TT		



JAN 23 2012

W. CLARK

1111.02

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WEATHERFORD CANADA

TRIPLEX PACKAGE
150HP ELECTRIC DRIVE
PLAN VIEW

PROJECT NUMBER

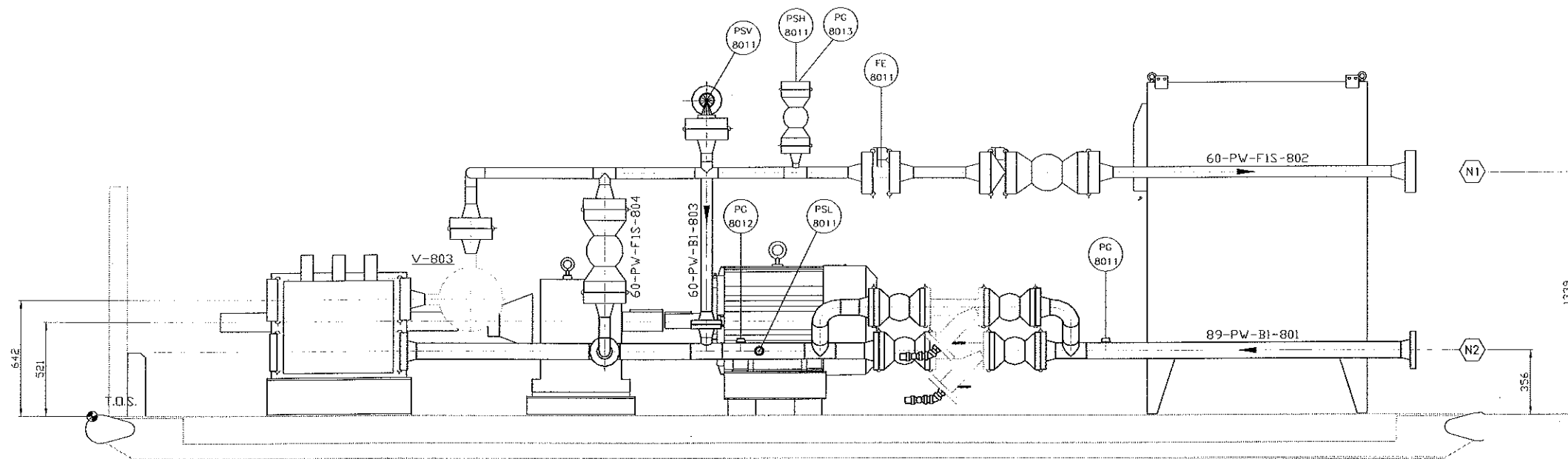
WCF001-001 (3312.000)

DRAWING NUMBER

3312-00-6052

REV.

1



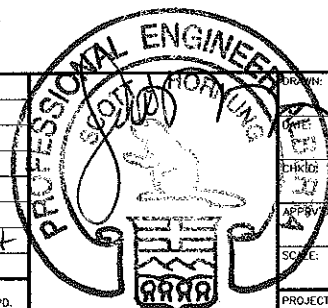
FRONT ELEVATION VIEW
FULL PACKAGE W/O BUILDING
SCALE 1:15

NOTES:

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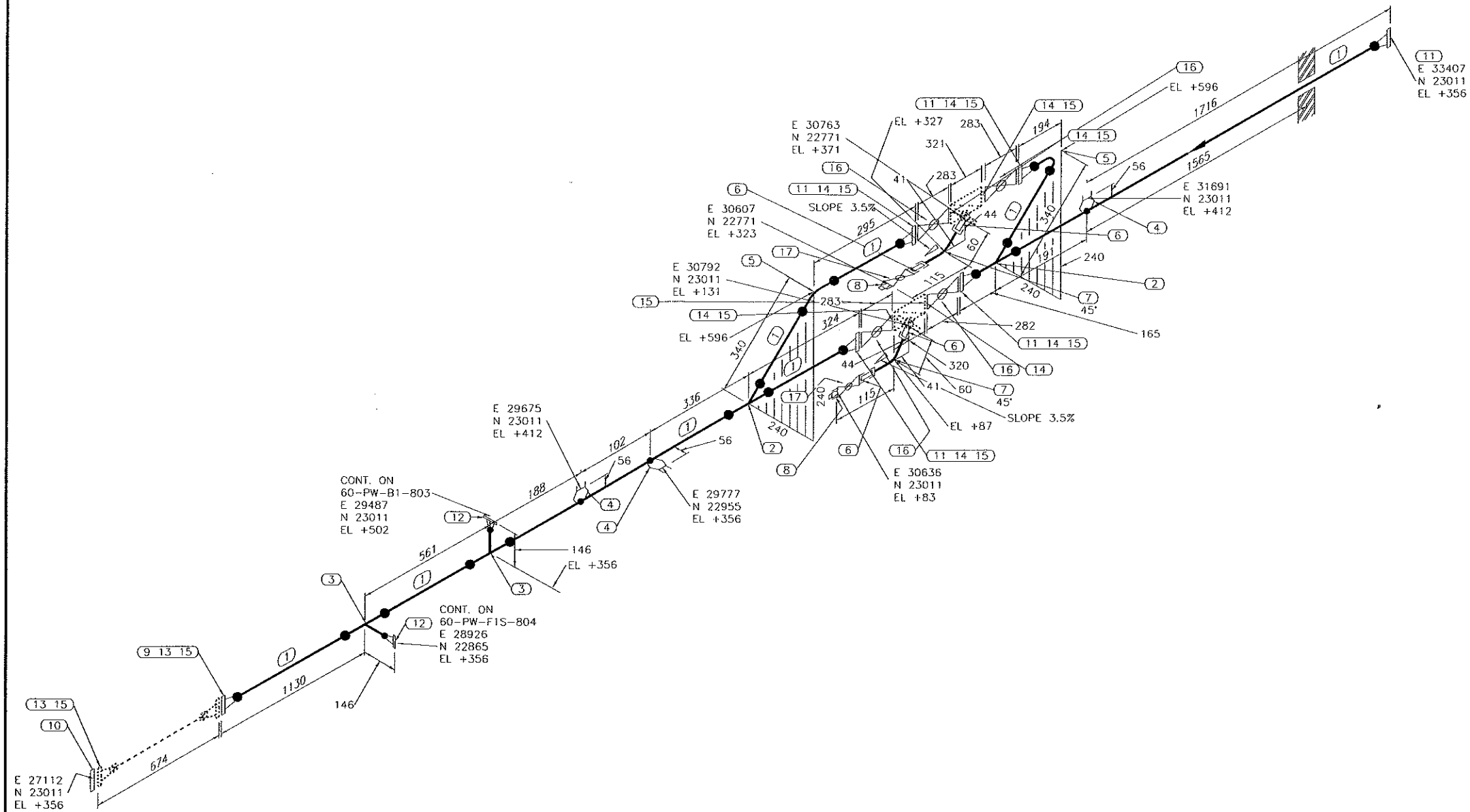
REFERENCE DWG No.	DESCRIPTION	No	DATE	REVISIONS	DRAWN	CHK.	APPD.
3312-00-5051	SKID DETAILS	0	2011-12-07	ISSUED FOR FABRICATION	TT	SH	
3312-00-3052	PIPING AND INSTRUMENTATION DIAGRAM	A	2011-11-28	ISSUED FOR APPROVAL	TT		



DRAWN:	W. CLARK
CHECKED:	11/31/02
APPROVED:	
SCALE:	1:15
PROJECT NUMBER	WCF001-001 (3312.000)

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WEATHERFORD CANADA	
TRIPLIX PACKAGE 150HP ELECTRIC DRIVE FRONT ELEVATION VIEW	
DRAWING NUMBER	3312-00-6053
REV.	0

PERMIT P1152Q



BILL OF MATERIAL

MK	QTY	SIZE(NPS)	DESCRIPTION	MATERIAL	TAG
PIPE					
1	4080 MM	3	PIPE SMLS SCH STD	A106 GR. B	
FITTINGS					
2	2	3X3	STRAIGHT TEE BW SCH STD	A234 GR. WPB	
3	2	3X2	REDUCING TEE BW SCH STD	A234 GR. WPB	
4	3	3X1/2	THREDOLET CL3000	A105N	
5	2	3	ELBOW 90° LR BW SCH STD	A234 GR. WPB	
6	4	1	NIPPLE SMLS SCH 160 TBE (48.6 MM LG)	A106 GR. B	
7	2	1	ELBOW 45° CL3000 THRD	A105N	
8	2	1	PLUG CL3000 THRD HEX HEAD	A105N	
FLANGES					
9	1	3	FLANGE RTJWN CL600 SCH STD	A105N	
10	1	3	BLIND FLANGE RTJ CL600	A105N	
11	5	3	FLANGE RFWN CL300 SCH STD	A105N	
12	2	2	FLANGE RFWN CL300 SCH STD	A105N	
GASKETS					
13	2	3	GASKET RTJ CL600 OVAL RING R31	316SS	
14	8	3	GASKET RF 1/8" THK CL300 "FLEXITALLIC" STYLE CG	316SS	
BOLTS					
15	10	3/4X4 1/4 (8)	STUD BOLTS C/W 2 NUTS	A193 B7M W/A194 2HM	
VALVES / IN-LINE ITEMS					
16	4	3	BALL VALVE RED PORT CL300 RF LEVER OP	-	BA-310
17	2	1	BALL VALVE CL600 THRD	-	BA-618

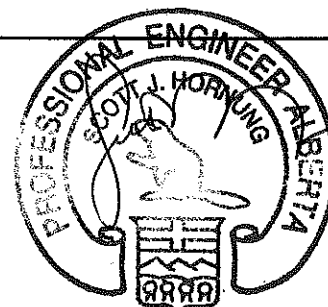
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No	DATE	REVISIONS	DRAWN	CHK.	APPD.
0	07/12/2011	ISSUED FOR FABRICATION	TT	SH	
A	28/11/2011	ISSUED FOR APPROVAL	TT		



PERMIT P11520

DRAWN: TT
DATE: 25/11/2011
CHK'D:
APPR'D:
SCALE: NONE

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WEATHERFORD CANADA

TRIPLEX PACKAGE
150HP ELECTRIC DRIVE
PIPING ISOMETRIC

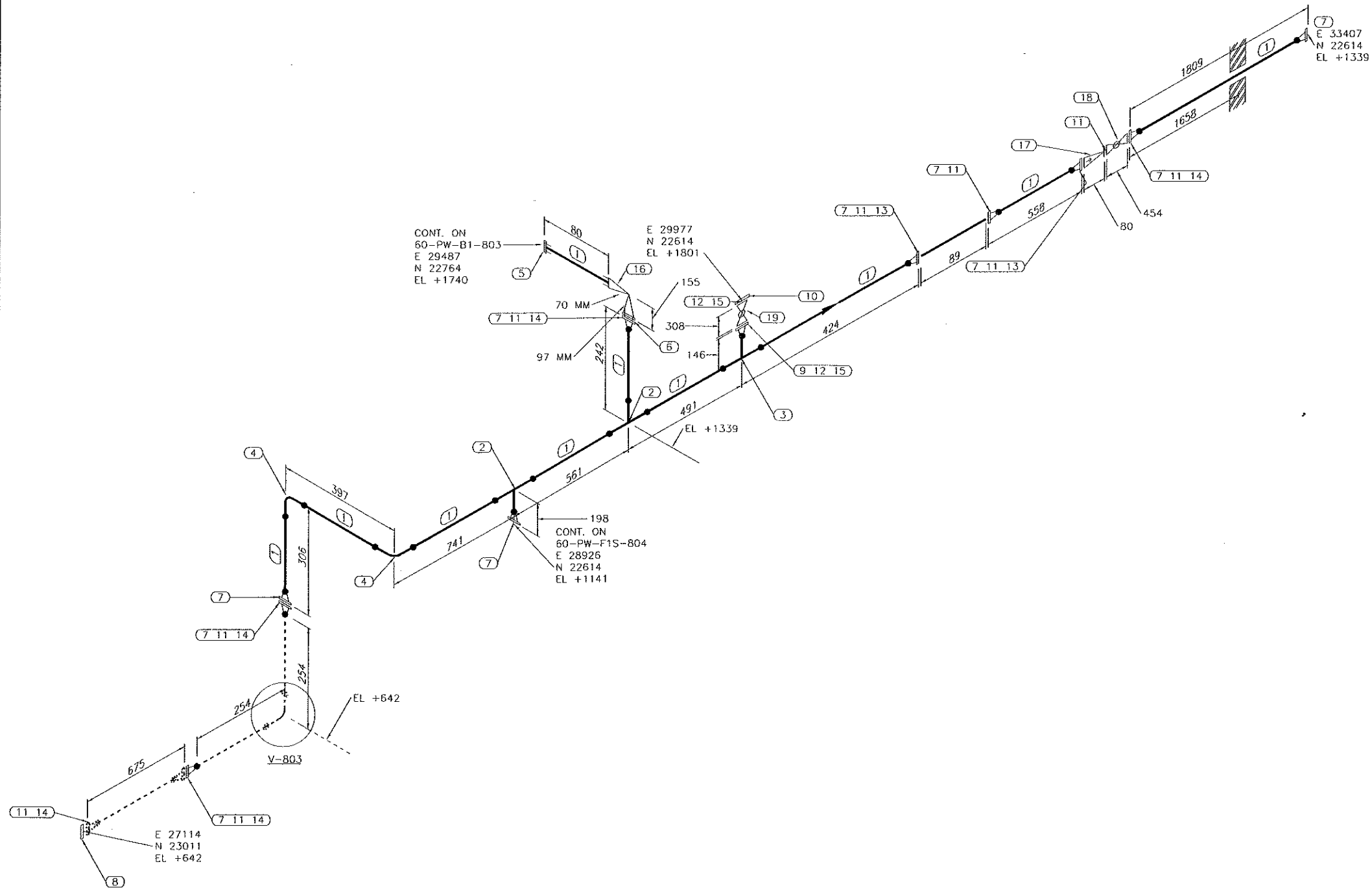
LINE No. 89-PW-B1-801

SHEET 1 / 1

PROJECT NUMBER WFC001-001 (3312.000)

DRAWING NUMBER 89-PW-B1-801

REV. 0



BILL OF MATERIAL

MK	QTY	SIZE(NPS)	DESCRIPTION	MATERIAL	TAG
1	3899	MM	PIPE SMLS SCH XXS	A106 GR. B	
FITTINGS					
2	2	2X2	STRAIGHT TEE BW SCH XXS	A105N	
3	1	2X1	REDUCING TEE BW SCH XXS	A105N	
4	2	2	ELBOW 90° LR BW SCH XXS	A105N	
FLANGES					
5	1	2	FLANGE RF CL300 THRD	A105N	
6	1	2	FLANGE CL2500 THRD	A105N	
7	10	2	FLANGE RTJWN CL2500 SCH XXS	A105N	
8	1	2	BLIND FLANGE RTJ CL2500	A105N	
9	1	1	FLANGE RTJWN CL2500 SCH XXS	A105N	
10	1	1	REDUCING FLANGE RTJ CL2500 THRD	A105N	
GASKETS					
11	9	2	GASKET RTJ CL2500 OVAL RING R26	316SS	
12	2	1	GASKET RTJ CL2500 OVAL RING R18	316SS	
BOLTS					
13	2	1X10 3/4	(8) STUD BOLTS C/W 2 NUTS	A193 B7M W/A194 2HM	
14	5	1X7 1/4	(8) STUD BOLTS C/W 2 NUTS	A193 B7M W/A194 2HM	
15	2	7/8X5 1/2	(4) STUD BOLTS C/W 2 NUTS	A193 B7M W/A194 2HM	
VALVES / IN-LINE ITEMS					
16	1	2	RELIEF VALVE CL6000 THRD MNPT x FNPT		CH-2533
17	1	2	CHECK VALVE SWING CL2500 RF		BA-2532
18	1	2	BALL VALVE CL2500 RF HW OP		BA-2532
19	1	1	BALL VALVE CL2500 RTJ HW OP		BA-2532

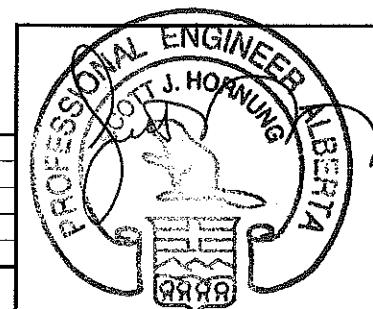
NOTES:

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No	DATE	REVISIONS	DRAWN	CHK.	APPD.
0	07/12/2011	ISSUED FOR FABRICATION	TT		
A	26/11/2011	ISSUED FOR APPROVAL	TT		



PERMIT P11520

DRAWN: TT
DATE: 25/11/2011
CHK'D:
APPR'D:
SCALE: NONE

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WEATHERFORD CANADA

TRIPLEX PACKAGE
150HP ELECTRIC DRIVE
PIPING ISOMETRIC

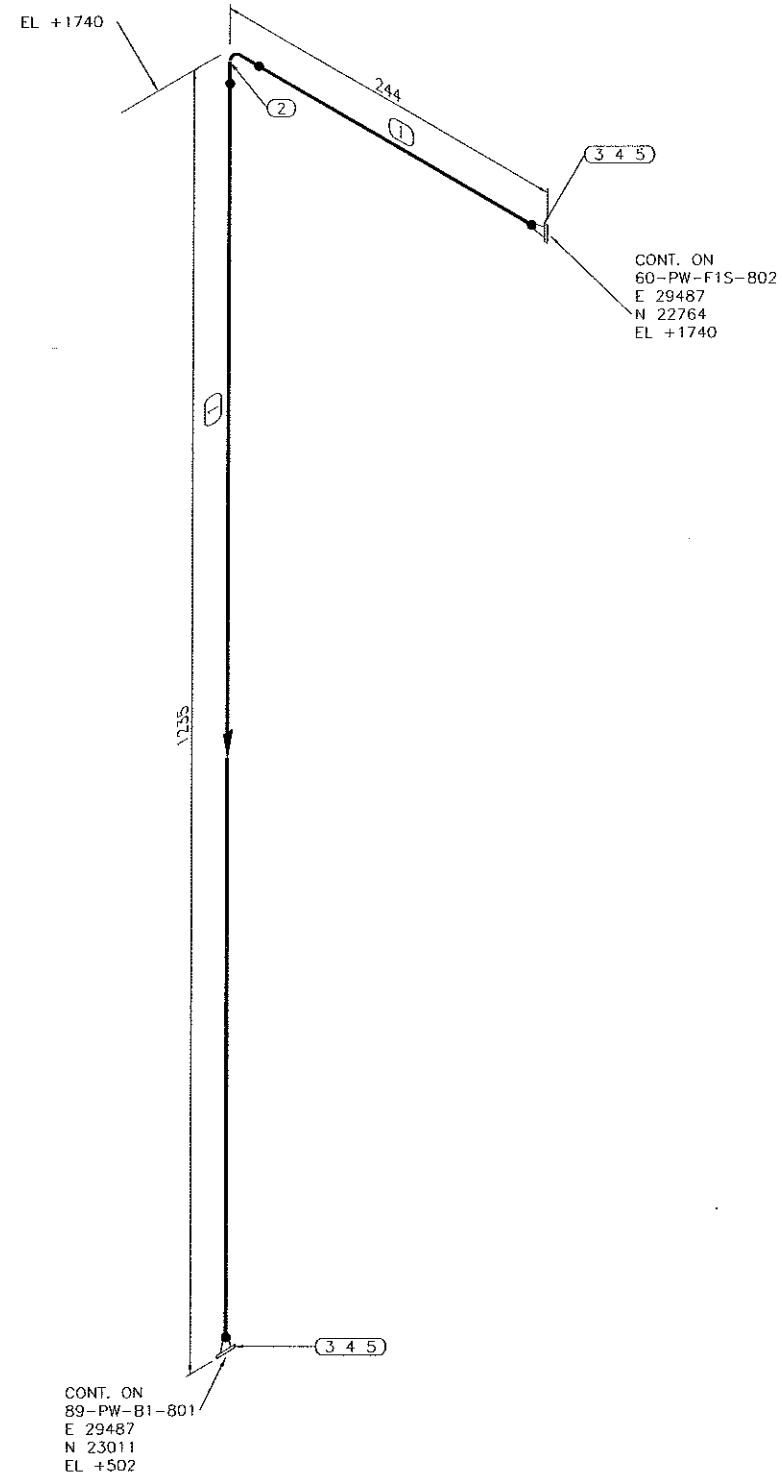
LINE No. 60-PW-F1S-802

SHEET 1 / 1

PROJECT NUMBER WFC001-001 (3312.000)

DRAWING NUMBER 60-PW-F1S-802

REV. 0



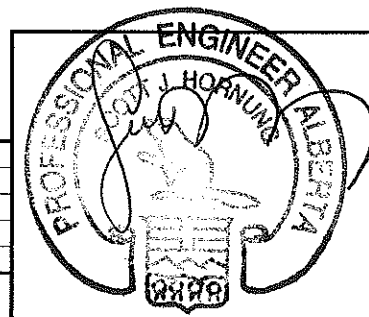
BILL OF MATERIAL					
MK	QTY	SIZE(NPS)	DESCRIPTION	MATERIAL	TAG
	PIPE				
1	1187 MM	2	PIPE SMLS SCH STD	A106 GR. B	
	FITTINGS				
2	1	2	ELBOW 90° LR BW SCH STD	A234 GR. WPB	
	FLANGES				
3	2	2	FLANGE RFWN CL300 SCH STD	A105N	
	GASKETS				
4	2	2	GASKET RF 1/8" THK CL300 "FLEXITALLIC" STYLE CG	316SS	
	BOLTS				
5	2	5/8X3 1/2 (8)	STUD BOLTS C/W 2 NUTS	A193 B7M W/A194 2HM	

NOTES:
1. SHOP CONFIRM ALL DIMENSIONS PRIOR TO FABRICATION.

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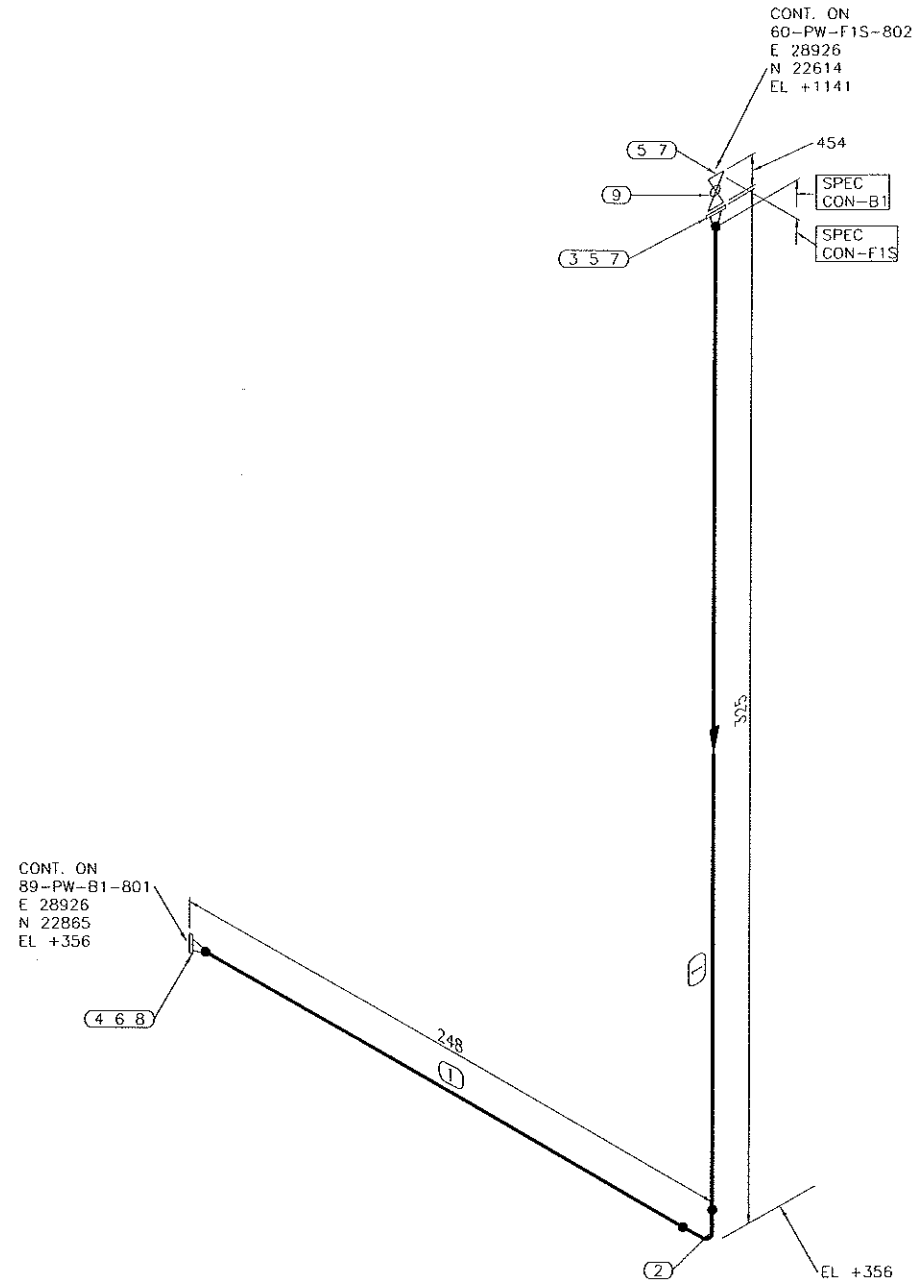
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0	07/12/2011	ISSUED FOR FABRICATION	TT	ST	
A	28/11/2011	ISSUED FOR APPROVAL	TT		



PERMIT P11520

DRAWN:	TT	Lauren Concise 300, 736 - 6 Avenue S.W. Calgary, Alberta T2P 3T7 Telephone: (403) 237-7160 Fax: (403) 237-7168	
DATE:	25/11/2011		
CHK'D:		WEATHERFORD CANADA	
APPR'D:		TRIPLEX PACKAGE 150HP ELECTRIC DRIVE PIPING ISOMETRIC	
SCALE:	NONE	LINE No. 60-PW-B1-803 SHEET 1 / 1	
PROJECT NUMBER	WFC001-001 (3312.000)	DRAWING NUMBER	60-PW-B1-803 REV. 0



BILL OF MATERIAL

MK	QTY	SIZE(NPS)	DESCRIPTION	MATERIAL	TAG
1	216 MM	2	PIPE SMLS SCH STD	A106 GR. B	
FITTINGS					
2	1	2	ELBOW 90° LR BW SCH STD	A234 GR. WPB	
FLANGES					
3	1	2	FLANGE RFWN CL2500 SCH STD	A105N	
4	1	2	FLANGE RFWN CL300 SCH STD	A105N	
GASKETS					
5	2	2	GASKET RTJ CL2500 OVAL RING R26	316SS	
6	1	2	GASKET RF 1/8" THK CL300 "FLEXITALLIC" STYLE CG	316SS	
BOLTS					
7	2	1X7 1/4	(8) STUD BOLTS C/W 2 NUTS	A193 B7M W/A194 2HM	
8	1	5/8X3 1/2	(8) STUD BOLTS C/W 2 NUTS	A193 B7M W/A194 2HM	
VALVES / IN-LINE ITEMS					
9	1	2	BALL VALVE CL2500 RTJ GEAR OP	-	BA-2532

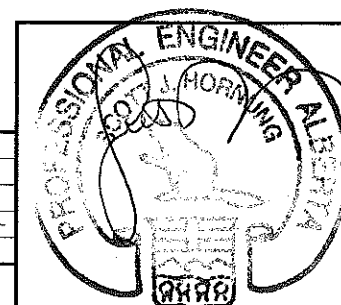
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0	07/12/2011	ISSUED FOR FABRICATION	IT	ST	
A	28/11/2011	ISSUED FOR APPROVAL	IT		



PERMIT P11520

DRAWN:	IT
DATE:	25/11/2011
CHK'D:	
APPR'D:	
SCALE:	NONE
PROJECT NUMBER	WFC001-001 (3312.000)
DRAWING NUMBER	60-PW-F1S-804
REV.	0

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TRIPLEX PACKAGE
150HP ELECTRIC DRIVE
PIPING ISOMETRIC

LINE No. 60-PW-F1S-804

SHEET 1 / 1