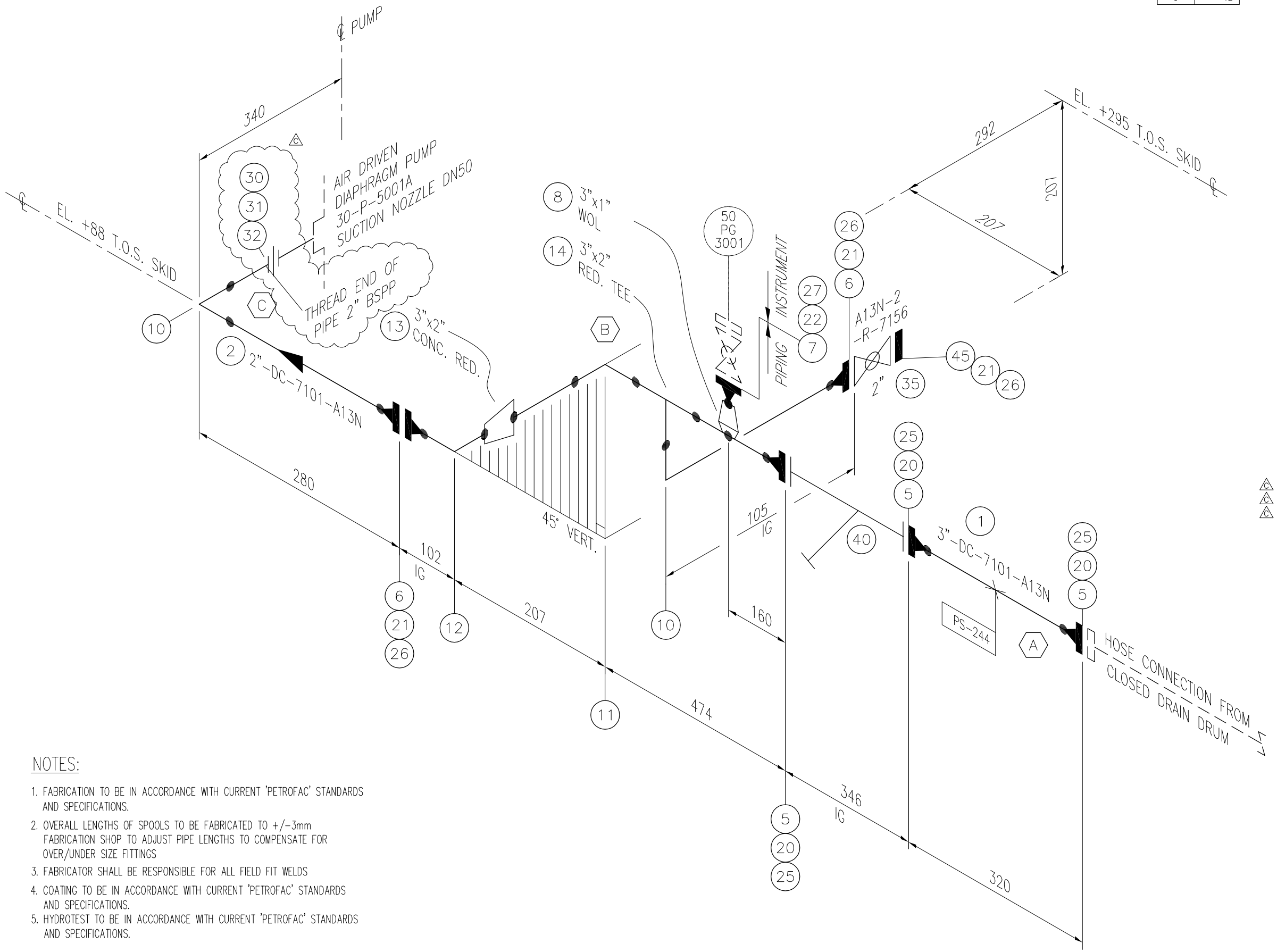
SPOOL	WTS kg
A	15
B	29
C	12



NOTES:

1. FABRICATION TO BE IN ACCORDANCE WITH CURRENT 'PETROFAC' STANDARDS AND SPECIFICATIONS.
2. OVERALL LENGTHS OF SPOOLS TO BE FABRICATED TO +/-3mm FABRICATION SHOP TO ADJUST PIPE LENGTHS TO COMPENSATE FOR OVER/UNDER SIZE FITTINGS
3. FABRICATOR SHALL BE RESPONSIBLE FOR ALL FIELD FIT WELDS
4. COATING TO BE IN ACCORDANCE WITH CURRENT 'PETROFAC' STANDARDS AND SPECIFICATIONS.
5. HYDROTEST TO BE IN ACCORDANCE WITH CURRENT 'PETROFAC' STANDARDS AND SPECIFICATIONS.

FABRICATION MATERIALS

ITEM No.	SIZE (ins)	DESCRIPTION	RAT'G /SCH	SPEC	QTY
1	3"	PIPE SEAMLESS BBE	40	A333-6	0.79m
2	2"	PIPE SEAMLESS BBE	80	A333-6	0.6m
5	3"	FLANGE RFWN SCH 40	150#	A350 LF2	3
6	2"	FLANGE RFWN SCH XS	150#	A350 LF2	3
7	1"	FLANGE RFWN SCH 160	150#	A350-LF2	1
8	3x1"	WELDOLET SCH 40/160	-	A350-LF2	1
10	2"	ELBOW 90° LR BW	XS	A420-WPL6	2
11	3"	ELBOW 45° LR BW	40	A420-WPL6	1
12	2"	ELBOW 45° LR BW	XS	A420-WPL6	1
13	3x2"	CONC. RED. BW	STD/XS	A420-WPL6	1
14	3x2"	REDUCING TEE BW	STD/XS	A420-WPL6	1

APPROVED FOR CONSTRUCTION

CONSTRUCTION MATERIALS

ITEM No.	SIZE (ins)	DESCRIPTION	RAT'G /SCH	SPEC	QTY
20	3"	STUDBOLT 5/8"x100 LG cw 2 NUTS	-	A320-L7/A194-4	12
21	2"	STUDBOLT 5/8"x90 LG cw 2 NUTS	-	A320-L7/A194-4	12
22	1"	STUDBOLT 1/2"x70 LG cw 2 NUTS	-	A320-L7/A194-4	4
25	3"	GASKET SP WD ST STL GRAPH FILLED	150#	ASME B16.2	3
26	2"	GASKET SP WD ST STL GRAPH FILLED	150#	ASME B16.2	3
27	1"	GASKET SP WD ST STL GRAPH FILLED	150#	ASME B16.2	1
30	2"	BSPP SPLIT UNION	3000#	316 SS	1
31	2"	BSPP M/M ADAPTOR	3000#	316 SS	1
32	2"	DOWTY SEAL	3000#	316 SS	2
35	2"	BALL VALVE RF RB	150#	RB11ARNL	1
40	3"	RF 'Y' TYPE STRAINER	150#	A350 LF2	1
45	2"	FLANGE RF BLIND	150#	A350 LF2	1

Petrofac

Client Drg No: 002-6000-90-PI-ISO-0014-011-C3

Client Project Ref: WEST DESARU EPS DEVELOPMENT PETROFAC (MALAYSIA-PM304) LIMITED

ISS	DATE	DRN BY	COMMENTS
C	25/10/12	SYA	ISSUE FOR CONSTRUCTION
B	15/08/12	Ecad	ISSUE FOR CONSTRUCTION
A	15/08/12	ECAD	INITIAL ISSUE

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TITLE:

PETROFAC – WEST DESARU
PIPING ISOMETRIC
CLOSED DRAIN PUMP SKID 2"-DC7101-A13N

INS. TYPE:	N/A	STRESS ANALYSED:	N/A	DESIGN PRESS. (barg):	11.5	DESIGN TEMP. (°C):	85
INS. THK. (mm):	N/A	STRESS REPORT No.:	N/A	MAX. OP. PRESS. (barg):	3.0	OP. TEMP. (°C):	30
HEAT TRACING:	N/A	STRESS RELIEVE:	NO	TEST PRESS. (barg):	15.0	TEST DURATION (min):	XX

PIPE SPEC: A13N
PID No.: 1805-18
PIPE GA No.: 1839-19

REMOVE ALL SHARP EDGES
DIMENSIONS & SYMBOLS TO BS308
DO NOT SCALE IF IN DOUBT ASK

TOLERANCES:
LINEAR: 0. ± 3; 0.0 ± 0.5; 0.00 ± 0.1
ANGULAR: ± 1°
WELD: <10mm: 20%; >10mm: 10%

Estimated weight: –
Coating / Finish: –
Dimension Units: MILLIMETRES
Certification Required: MATERIAL, WELD, NDT, PRESSURE AND COATING
ALL CERTIFICATION TO BE SUPPLIED WITH GOODS

CHK BY: KJO
APPROVED BY: RDB
DATE: 26/10/12

SCALE: NTS
PROJECT No: 1981
SIZE: A3
DRAWING No. 1886
SHEET No. 11
ISSUE C