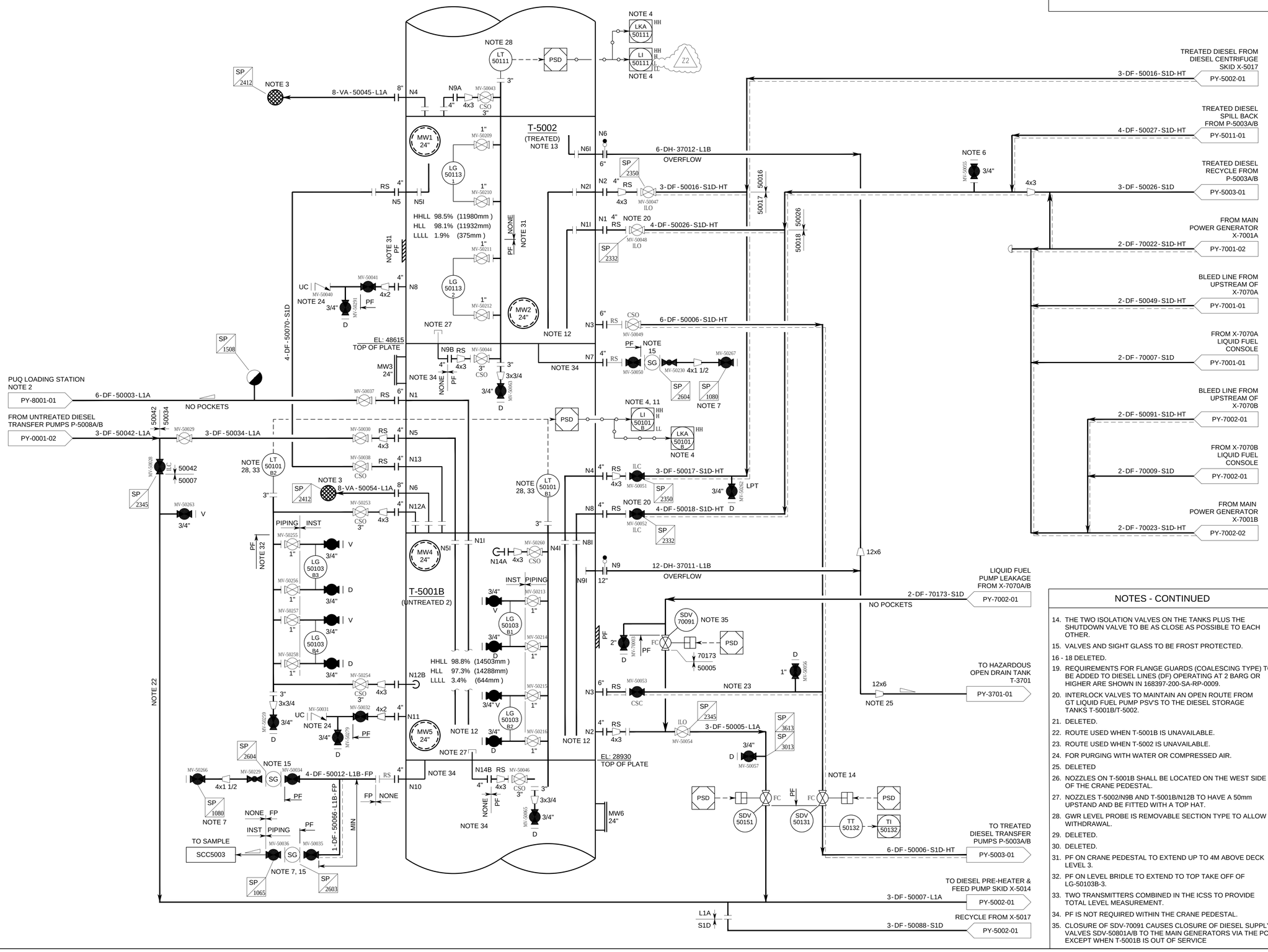
T-5001B
UNTREATED DIESEL STORAGE TANK

DIMENSIONS	:	17950mm H x 3698mm OD (AVERAGE)
CAPACITY	:	171m3 (WORKING)
DESIGN PRESSURE	:	0.30/-0.0025barg
DESIGN TEMPERATURE	:	65/-7.6°C
TRIM	:	DF-50015-S1D (EXTERNALS)
	:	DF-50093-E1B (INTERNALS)

T-5002
TREATED DIESEL STORAGE TANK

DIMENSIONS	:	12165mm H x 3700mm OD (AVERAGE)
CAPACITY	:	117m3 (WORKING)
DESIGN PRESSURE	:	0.30/-0.0025barg
DESIGN TEMPERATURE	:	65/-7.6°C
TRIM	:	DF-50040-S1D (EXTERNALS)
	:	DF-50094-E1B (INTERNALS)



HOLDS

1 - 14 DELETED

NOTES

REFER TO LEGEND SHEETS 168397-100-PR-PI-0001 TO 0012 FOR DETAILS OF PIPING CLASS, INSULATION, EQUIPMENT TYPES, INSTRUMENT DETAILS, VALVES AND SPECIFIC HOOK-UP REQUIREMENTS.

1. DELETED.
2. LOADING CONNECTION AT BOAT LANDING.
3. VENT TO ATMOSPHERE IN NON-HAZARDOUS AREA.
4. NOTES FOR ALTERNATE TANK OPERATING MODES:

MODE 1 (NORMAL):
T-5002 TREATED, T-5001A UNTREATED,
T-5001B UNTREATED

FOLLOWING MAJOR VALVES ARE OPEN:
MV-50029, 50030, 50037, 50038, 50047, 50048, 50049, 50054 AND SDV-50131, 50151, 70091.
FOLLOWING MAJOR VALVES ARE CLOSED:
MV-50028, 50051, 50052, 50053.
LALL-50101B TRIPS THE CENTRIFUGE PACKAGE .
LAHH-50101B TRIPS THE UNTREATED DIESEL TRANSFER PUMPS (P-5008A/B).
HIGH RATE OF REDUCTION IN LEVEL (LKAHH-50101B) INITIATES CLOSURE OF SDV-50151 AND THE CENTRIFUGE PACKAGE.
LALL-50111 TRIPS DIESEL TRANSFER PUMPS (P-5003A/B)
HIGH RATE OF REDUCTION IN LEVEL (LKAHH-50111) INITIATES CLOSURE OF SDV-50131 AND TRIPS P-5003A/B.

MODE 2 (ABNORMAL):
T-5002 OUT OF SERVICE, T-5001A UNTREATED,
T-5001B TREATED

FOLLOWING MAJOR VALVES ARE OPEN:
MV-50028, 50051, 50052, 50053 AND SDV-50131, 50151, 70091.
FOLLOWING MAJOR VALVES ARE CLOSED:
MV-50029, 50030, 50037, 50038, 50047, 50048, 50049, 50054.
LALL-50101B TRIPS THE TRANSFER PUMPS (P-5003A/B).
HIGH RATE OF REDUCTION IN LEVEL (LKAHH-50101B) INITIATES CLOSURE OF SDV-50131 AND TRIPS P-5003A/B.

MODE 3 (ABNORMAL):
T-5002 TREATED, T-5001A UNTREATED,
T-5001B OUT OF SERVICE.

FOLLOWING MAJOR VALVES ARE OPEN:
MV-50029, 50047, 50048, 50049 AND SDV-50131, 50151.
FOLLOWING MAJOR VALVES ARE CLOSED:
MV-50029, 50030, 50037, 50038, 50051, 50052, 50053, 50054 AND SDV-70091.
IN ADDITION, DRAIN VALVE MV-70003 IS TO BE OPEN AND CONNECTED VIA HOSE TO DRAIN BOX.
LAHH-50111 TRIPS UNTREATED DIESEL TRANSFER PUMPS (P-5008A/B).
HIGH RATE OF REDUCTION IN LEVEL (LKAHH-50111) INITIATES CLOSURE OF SDV-50131 AND TRIPS P-5003A/B.

5. DELETED.
6. BIOCIDE FEED POINT.
7. SPRING CLOSE DRAIN VALVE WITH A SIGHT GLASS TO CHECK WATER/SLUDGE.

8 TO 10 DELETED.

11. FILLING OF T-5001B TO BE MONITORED TO AVOID OVERFLOWING 100m3/h TO THE DRAINS. ALARMS WILL SOUND FOR THE HLL AND HHLL.
12. DIP PIPES TO HAVE SIPHON BREAK HOLES.
13. DIP PIPES ON RETURN LINES AT NOZZLES N1 AND N2 ARE TO BE ORIENTATED AS FAR AS POSSIBLE FROM THE TANK OUTLET NOZZLE N3, TO AID MAINTENANCE OF TANK CONTENTS AT 30°C.

REV	DATE	DESCRIPTION	DRN	CHK	APP	CLT
Z1	18/12/2014	AS BUILT INCL RN 08-09	SG	JG	JG SH	JM
1	13/06/2012	REVISED FOR CONSTRUCTION INC. RN 06 - 07	AA	DC	RJD IV	SA
0	09/02/2012	AFC INC. RN 02 - 05	AA	DC	RJD IV	SA
D2	24/10/2011	REVISED FOR DESIGN INC. RN 01	RAD	JAS	RJD IV	SA
D1	06/05/2011	APPROVED FOR DESIGN	AA	DC	RJD IV	SA
A2	11/03/2011	ISSUED FOR DETAILED DESIGN	RAD	DC	RJD	
Z2	09/02/21	AS-BUILT FOR GMOC0487	TF	JL	JL	TR

NOTES - CONTINUED

14. THE TWO ISOLATION VALVES ON THE TANKS PLUS THE SHUTDOWN VALVE TO BE AS CLOSE AS POSSIBLE TO EACH OTHER.
15. VALVES AND SIGHT GLASS TO BE FROST PROTECTED.

16 - 18 DELETED.

19. REQUIREMENTS FOR FLANGE GUARDS (COALESCING TYPE) TO BE ADDED TO DIESEL LINES (DF) OPERATING AT 2 BARG OR HIGHER ARE SHOWN IN 168397-200-SA-RP-0009.
20. INTERLOCK VALVES TO MAINTAIN AN OPEN ROUTE FROM GT LIQUID FUEL PUMP PSV'S TO THE DIESEL STORAGE TANKS T-5001B/T-5002.
21. DELETED.
22. ROUTE USED WHEN T-5001B IS UNAVAILABLE.
23. ROUTE USED WHEN T-5002 IS UNAVAILABLE.
24. FOR PURGING WITH WATER OR COMPRESSED AIR.
25. DELETED
26. NOZZLES ON T-5001B SHALL BE LOCATED ON THE WEST SIDE OF THE CRANE PEDESTAL.
27. NOZZLES T-5002/N9B AND T-5001B/N12B TO HAVE A 50mm UPSTAND AND BE FITTED WITH A TOP HAT.
28. GWR LEVEL PROBE IS REMOVABLE SECTION TYPE TO ALLOW WITHDRAWAL.
29. DELETED.
30. DELETED.
31. PF ON CRANE PEDESTAL TO EXTEND UP TO 4M ABOVE DECK LEVEL 3.
32. PF ON LEVEL BRIDLE TO EXTEND TO TOP TAKE OFF OF LG-50103B-3.
33. TWO TRANSMITTERS COMBINED IN THE ICSS TO PROVIDE TOTAL LEVEL MEASUREMENT.
34. PF IS NOT REQUIRED WITHIN THE CRANE PEDESTAL.
35. CLOSURE OF SDV-70091 CAUSES CLOSURE OF DIESEL SUPPLY VALVES SDV-50801A/B TO THE MAIN GENERATORS VIA THE PCS. EXCEPT WHEN T-5001B IS OUT OF SERVICE

cnooc

Golden Eagle
Golden Eagle Area Development

Worley
energy | chemicals | resources

TITLE:
PIPING & INSTRUMENT DIAGRAM
DIESEL STORAGE
PUQ PLATFORM

SCALE (A1): NTS

FOCUS ID: PR08PU0080

CONTRACT No: 168397

CLIENT CONTRACT No: GEA-CT -CON-00808

DRAWING No. 168397 - 100 - PR - PY - 5001 - 01

REV Z2

FILENAME: \\WHYDWPNAS01\HYD_LOCATION_FOLDERS\04_ENGINEERING\08_PROCESS\02_DISCIPLINE\PROJ FOR REF\ABERDEEN-23\CNOOC\01 WORKING\WRP_ ABZ_CNC-110-36\168397-100-PR-PY-5001-01 P AND ID DIESEL STORAGE PUQ PLATFORM Z2.DWG