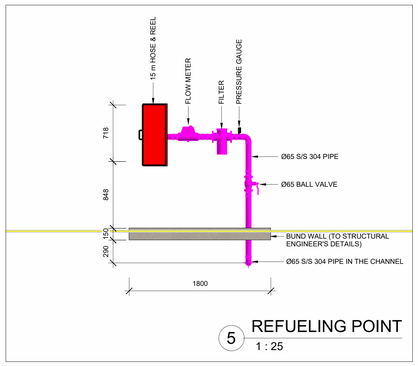
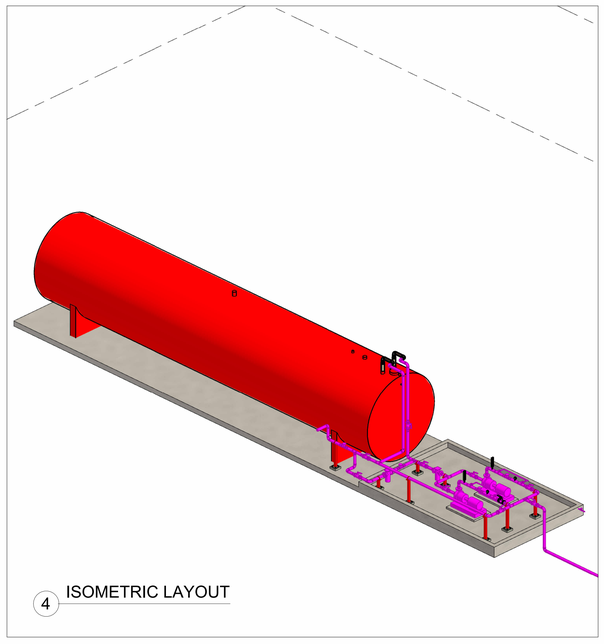


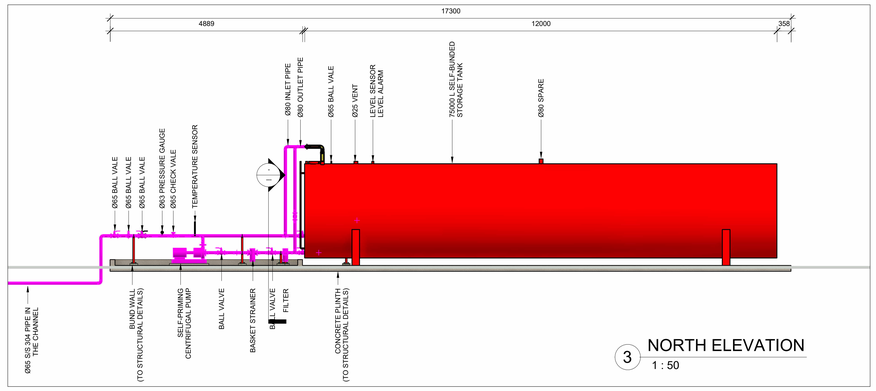
1 REFUELING SYS LAYOUT
1 : 200



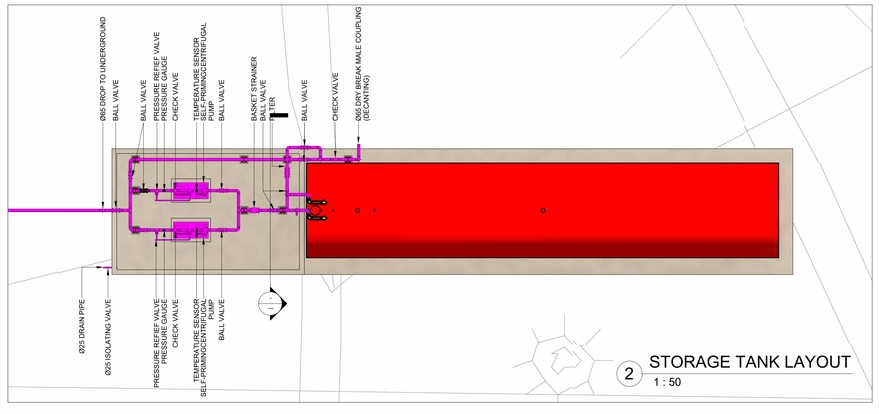
5 REFUELING POINT
1 : 25



4 ISOMETRIC LAYOUT



3 NORTH ELEVATION
1 : 50



2 STORAGE TANK LAYOUT
1 : 50

PUMP DATA:

MAKE	: VTC
MODEL NUMBER	: VTC
QUANTITY	: 2
FLOWRATE	: 450 L/min
HEAD	: 30 m
RATED POWER	: 5.5 kW
POWER SUPPLY	: 380 V / 50 Hz
POWER FACTOR	: 0
PUMP CASING	: MAT JL 1040
ZONE CLASSIFICATION	: 2, MOTOR WITH SPARK PROOF
PRODUCT	: DIESEL @ 10 - 20 DEGREE CELSIUS

TANK DATA:

MAKE	: VTC
MODEL NUMBER	: 75000 LT SELF-BUNDED TANK
QUANTITY	: 1
INLET	: 80 mm FEMALE W/FIT
OVERFLOW	: 25 mm FEMALE W/FIT
OUTLET	: 80 mm
OUTLET (DRAIN)	: 25 mm
LENGTH	: 12000 mm
WIDTH	: 2400 mm
HEIGHT	: 2900 mm
COLOUR	: WHITE
MAN HOLE	: 500 mm
MATERIAL	: STEEL

VALVE SCHEDULE

VALVE No	TYPE	BODY	WORKING PRESSURE PRESSURE, BAR	WORKING TEMPERATURE, C	SIZE mm
V1	CHECK	S/S 316	10	-20 TO +30	65
V2	BALL	S/S 316	10	-20 TO +30	65
V3	CHECK	S/S 316	10	-20 TO +30	65
V4	BALL	S/S 316	10	-20 TO +30	25
V5	BALL	S/S 316	10	-20 TO +30	65
V6	BALL	S/S 316	10	-20 TO +30	65
V7	BASKET STRAINER	S/S 316	10	-20 TO +30	65
V8	BALL	S/S 316	10	-20 TO +30	65
V9	CHECK	S/S 316	10	-20 TO +30	65
V10	BALL	S/S 316	10	-20 TO +30	65
V11	BALL	S/S 316	10	-20 TO +30	65
V12	CHECK	S/S 316	10	-20 TO +30	65
V13	BALL	S/S 316	10	-20 TO +30	65
V14	BALL	S/S 316	10	-20 TO +30	65
V15	BALL	S/S 316	10	-20 TO +30	65
V16	BALL	S/S 316	10	-20 TO +30	65

DRAWING NO.	REFERENCE

REFERENCE DRAWINGS

NOTES:

1. **DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.**
2. **THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND LEVELS ON THE SITE AND NOTIFY THE NEC SUPERVISOR OF ANY VARIATIONS BEFORE CONSTRUCTION.**
3. **SETTING OUT SHOULD BE DONE USING CIVIL ENGINEER'S DRAWINGS.**
4. **STRUCTURAL COMPONENTS SHOULD BE DONE USING STRUCTURAL ENGINEER'S DRAWINGS.**
5. **BUILDING WORKS SHOULD CONFORM WITH SANS 10400 STANDARDS AND THE ARCHITECTURAL SPECIFICATION ATTACHED.**

NO.	DESCRIPTION	BY	CHK'D	APP'D	DATE
C	ISSUED FOR TENDER	PV	CK	PV	17-06-25
B	ISSUED FOR MUNICIPAL APPROVAL	PV	CK	PV	27-08-24
A	ISSUED FOR CLIENT REVIEW	PV	CK	PV	22-03-24

REVISIONS

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INFRA DESIGN ENGINEERING	NAME	DATE
TITLE		
ARCH. LEAD		
ARCH DESIGN LEAD		
DRAWN		
CHECKED		

APPROVALS	NAME	DATE
TITLE		

TRANSNET	NAME	DATE
TITLE	NAME	DATE
DRAWN	PV	17 06 25
CHECKED	CK	17 06 25
DESIGN LEAD	PV	17 06 25
CHECKED	CK	17 06 25
DISCIP. LEAD.		
CHECKED		
CHECKED		

PR.ENG / PR.ARCH.TECH.

NAME	PHUMLANI VILAKAZI	DATE
SIGNATURE		17 06 25
REG. NUMBER	20193/2435	
SCALE :	AS SHOWN	A0

Transnet National Ports Authority
TRANSNET LTD
(TRADING AS TRANSNET PROJECTS) : REG. NO. 1990/000906/30
237 MAHATMA GANDHI ROAD
DURBAN
4001
TEL. 031 361 1652
FAX. 031 361 1781

PORT OF DURBAN

TNPA TUG JETTY
DESIGN AND INSTALLATION OF DIESEL STORAGE REFUELING SYSTEM
DIESEL STORAGE AND PUMPING SYSTEM LAYOUT

PROJECT NUMBER	FNS	DIS.	TYPE	DRG. NO.	SHT.	REV.	ID
XDN.E.00053	000	M	DE	0001	01	B	TD