



PRINCIPAL DESIGN CONDITIONS	
CLASSIFICATION	HC
RULES AND REGULATIONS	
IMB RULES	
IEC CODE	
2009 CODE	
CARGO TANK	
DESIGN VAPOR PRESSURE	0.1743 barg (1.62 kg/cm ² g)
	0.9621 barg (9.32 kg/cm ² g)
DESIGN TEMPERATURE	0 °C
SET PRESSURE OF SAFETY VALVE	17.80/17.75 barg
HYDROSTATIC TEST PRESSURE	
	26.40 barg
TYPHOON TEST PRESSURE	
	17.80 barg
CARGO PIPING	
DESIGN PRESSURE	26.0 barg
DESIGN TEMPERATURE	0 °C
SET PRESSURE OF SAFETY VALVE	26.0 barg
HYDROSTATIC TEST PRESSURE	
	39.0 barg
AIRLEAK TEST PRESSURE	
	16.0 barg

SYMBOLS			
⊗	CLOSE VALVE	⊕	PRESSURE GAUGE
⊗	EMERGENCY SHUT-DOWN VALVE	⊕	TEMPERATURE GAUGE
⊗	BALL VALVE	⊕	SUP-PRESSURE GAUGE
⊗	SWING CHECK VALVE	⊕	FLOW GAUGE
⊗	T-TYPE STOWER	⊕	LEVEL SWITCH
⊗	STOWER	⊕	LEVEL INDICATOR
⊗	NEEDLE VALVE	⊕	LEVEL ALARM
⊗	SOLENOID VALVE	⊕	PRESSURE SWITCH
⊗	SAMPLING VALVE	⊕	PRESSURE ALARM
⊗	3-WAY VALVE	⊕	OPENING/SOLENOID VALVE
⊗	SAFETY VALVE	⊕	SYSTEM STOP
⊗	TRANSMITTER	⊕	LEVEL PROCTOR ALARM
⊗	THRUSTLE ROOF	⊕	EXCESS FLOW VALVE
⊗	FUSIBLE PLUG	⊕	WATER PUMP
⊗	SOFT FLOW	⊕	PILOT SAFETY VALVE
⊗	STAINLESS VALVE	⊕	EXPANSION JOINT
⊗	ANGLE VALVE		

NO.	REV.	DATE	DESCRIPTION
1			ISSUED FOR APPROVAL
2			ISSUED FOR CONSTRUCTION
3			ISSUED FOR OPERATION

PROJECT NAME	3500m ³ VCM/LPG TANK PLANT
CLIENT	DAI NIPPON STEEL & CHEMICAL CO., LTD.
DESIGNER	DAI NIPPON STEEL & CHEMICAL CO., LTD.
DATE	2009.08.01
SCALE	AS SHOWN
PROJECT NO.	1180/181/182-01