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	Technical Specification	Sheet. <i>Pag.</i> 1 / 6

Riferimento: <i>Reference:</i>	20000 M3 LNG STORAGE PLANT FOR GNLMED
Commessa: <i>Job nr:</i>	GH120
Oggetto: <i>Subject:</i>	PROJECT NOMENCLATURE
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In *CORSIVO* si evidenziano gli elementi fuori dallo scopo di fornitura GH

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4	03/04/2024	Terzo Braccio di carico truck e terza pesa incluse nella prima fase	AI	SE	SE
3	16/02/2024	Aggiunta secondo braccio di carico ad accosto C	AI	GB	FE
2	16/10/2023	Revisione generale e aggiunta descrizione linee. Modifiche in blu	RA	GB	FE
1	05/10/2023	General revision	RA	GB	FE
REV	DATE	DESCRIPTION	PREP.	CHD.	APP.

1. TANK NOZZLES

ID	DOME	DESCRIPTION
N1	MAIN	BOTTOM LOADING LINE
N2	MAIN	TOP LOADING LINE
N3	MAIN	VAPOUR LINE/PSV
N4	MAIN	SPRAY LINE
N5A	MAIN	TEMPERATURE TRANSMITTER A
N5B	MAIN	TEMPERATURE TRANSMITTER B
N5C	MAIN	TEMPERATURE TRANSMITTER C
N5D	MAIN	TEMPERATURE TRANSMITTER D
N6	MAIN	LEVEL TRANSMITTER
N7	MAIN	LEVEL TRANSMITTER
N8	MAIN	HIGH HIGH LEVEL SENSOR
N9	MAIN	LOW LOW LEVEL SENSOR
N10	MAIN	SAMPLE POINT- TOP DOME
N11	MAIN	SAMPLE POINT- TOP HEAD
N12	MAIN	SAMPLE POINT- BOTTOM DOME
N13	MAIN	SAMPLE POINT- BOTTOM HEAD
N14A	MAIN	CARGO PUMP FLANGE A
N14B	MAIN	PUMP FEEDTHROUGH A
N15A	MAIN	CARGO PUMP FLANGE B
N15B	MAIN	PUMP FEEDTHROUGH B
N16	MAIN	MANHOLE

2. LOCATIONS

DESCRIPTION	DESCRIZIONE
INSIDE CARGO TANK	AREA SERBATOI di STOCCAGGIO (INTERNO)
TK1xy1 PROCESS AREA	AREA SERBATOI di STOCCAGGIO (AREA PROCESSO)
TK1xy1 INTERCONNECTING RACK	AREA SERBATOI di STOCCAGGIO (INTERCONNESSIONE)
FLARE EQUIPMENT AREA	AREA TORCIA
TRUCK BAYS AREA	AREA CARICO AUTOCISTERNE
PROCESS EQUIPMENT AREA	AREA APPARECCHIATURE PROCESSO
GAS GENERATORS AREA	AREA GENERATORI a GAS/COGENERATORI
JETTY AREA	AREA BANCHINA
COOLING WATER EQUIPMENT AREA	AREA ACQUA di RAFFREDDAMENTO

	Project Nomenclature	N° Doc. GH120-DST-002-04
		Sheet n.: <i>Paagina:</i> 3 / 6

AIR/N2 EQUIPMENT AREA	AREA GENERATORI ARIA/AZOTO
FIREFIGHTING EQUIPMENT AREA	AREA CENTRALE ANTINCENDIO
MOTOR CONTROL CENTER ROOM	AREA CENTRO CONTROLLO MOTORI
ENTRANCE AREA	AREA GUARDIANA
OFFICE AREA	AREA UFFICI
RAINWATER PUMPS AREA	AREA POMPE ACQUE METEORICHE

3. BUILDING/BOXES/SHELTER

TAG	DESCRIPTION	DESCRIZIONE
CE-D	ELECTRICAL CABINET DISTRIBUTION	CABINA ELETTRICA DISTRIBUZIONE
MCC	MACHINERY MCC SHELTER	SALA STARTER E CABINET
CE-PC	ELECTRICAL CABINET POWER CENTER	CABINA ELETTRICA CENTRALE POTENZA
CP01	SERVER ROOM	STANZA SERVER
PU	OFFICE	PALAZZINA UFFICI
SCA	TRUCK TRAILER LOADING STATION	PENSILINA BAIA TRUCK
SDC	MAIN CONTROL ROOM	SALA DI CONTROLLO PRINCIPALE
SDCB	JETTY CONTROL ROOM	SALA DI CONTROLLO BANCHINA
SDCE	SURVEILLANCE	GUARDIANA
SDCT	TRUCK TRAILER CONTROL ROOM	SALA DI CONTROLLO TRUCK
Z800	AIR AND N2 PACKAGE CONTAINER	CONTAINER PACKAGE ARIA / AZOTO
Z960	FIREFIGHTING PUMPS SHELTER	SALA POMPE ANTINCENDIO

4. MAIN ITEMS

GH TAG	DESCRIPTION	DESCRIZIONE
BC701, BC702	LOADING ARM SHIP	BRACCI DI CARICO NAVE
BC401, BC402, BC403	LOADING ARM TRUCKS	BRACCI DI CARICO AUTOCISTERNE
CG345, CG346	GAS COGENERATORS	COGENERATORI
D403	TRUCK STATION DRAIN DRUM	RACCOLTA DRENI STAZIONE AUTOCISTERNE
D506	CW BUFFER TANK	SERBATOIO DI ESPANSIONE ACQUA DI RAFFREDDAMENTO
D601	FLARE DRUM	K.O. DRUM TORCIA
D801	AIR BUFFER TANK	SERBATOIO BUFFER ARIA
D802	N2 BUFFER TANK	SERBATOIO BUFFER AZOTO
E201	RELIQUIIFIER	RELIQUEFATTORE



Project Nomenclature

N° Doc.
GH120-DST-002-04

Sheet n.:
Pagina: **4 / 6**

E304	ELECTRIC BOG HEATER	RISCALDATORE BOG
E342A, E342B	GF SUPERHEATERS	SURRISCALDATORE ELETTRICO
E341A, E341B	LNG VAPORIZER	VAPORIZZATORI ATMOSFERICI
GE343, GE344	GAS GENERATORS	GENERATORI ELETTRICI A GAS
GE901	DIESEL GENERATOR	GENERATORE E SERBATOIO DIESEL
P1xy2, P1xy3	CARGO PUMPS	POMPE SERBATOIO DI STOCCAGGIO
P100	VACUUM PUMP	POMPA PER VUOTO
P507A, P507B	CW PUMPS	POMPE ACQUA DI RAFFREDDAMENTO
TK1xy1	STORAGE TANKS	SERBATOIO DI STOCCAGGIO
VM603	FLARE	TORCIA
Z196	GAS CHROMATOGRAPH FG CABINET	CROMATOGRAFO GAS FUEL E TRUCK
Z197, Z346	GAS CHROMATOGRAPH PROBES	SONDE PER GAS CROMATOGRAFO
Z401, Z402 Z403	WEIGHING SYSTEM	SISTEMA PESA
Z501	CHILLER	CHILLER
Z604	FLARE IGNITION SKID & LPG RESERVE	SKID IGNEZIONE TORCIA+RISERVA LPG
Z706	GAS CHROMATOGRAPH JETTY CABINET	CROMATOGRAFO BANCHINA
Z707A, Z707B	LOADING ARM CABINET	CABINET BRACCIO DI CARICO NAVE
Z708	ESD LINK SYSTEM+LASER+WEATHER STATION	ESD LINK SYSTEM+STAZIONE METEO+LASER
Z803 A/B, Z804 A/B, Z805 A/B	AIR COMPR., N2 GENERATORS, AIR DRIERS	COMPRESSORE ARIA, GENERATORI N2, ESSICCATORI D'ARIA

GH TAG	DESCRIPTION	DESCRIZIONE
D851	FIREFIGHTING AIR BUFFER TANK	SERBATOIO BUFFER ARIA ANTINCENDIO
D904A, D904B, D904C	DIESEL TANKS	SERBATOI DIESEL MOTOPOMPE ANTINCENDIO
FM910a, FM910b, FM920a, FM920b	REMOTE CONTROL MONITORS	MONITORI A CONTROLLO REMOTO
P962	JOCKEY PUMP	POMPA JOCKEY
P963	MAIN ELECTRO-PUMP	ELETTROPOMPA PRINCIPALE
P991A, P991B,	RAINWASHING RAINWATER PUMPS	POMPE ACQUE METEORICHE DI DILAVAMENTE

	Project Nomenclature	N° Doc. GH120-DST-002-04
		Sheet n.: Pagina: 5 / 6

P991C		
P992A, P992B, P992C	SECOND RAIN PUMPS	POMPE ACQUA DI SECONDA PIOGGIA
P993, P994	FIRST RAIN PUMPS	POMPE ACQUA DI PRIMA PIOGGIA
Z961A, Z961B, Z961C	DIESEL PUMP MOTOR UNITS	MOTOPOMPE DIESEL
Z970	FIREFIGHTING FOAM GENERATORS	GENERATORI SCHIUMA ANTINCENDIO

5. MAIN PIPELINES

NAME	LOCATION	DESCRIPTION
LIQUID HEADER	TK1xy1 INTERCONNECTING RACK	LNG line that collects all cargo tank loading lines
VAPOUR HEADER	TK1xy1 INTERCONNECTING RACK	BOG line that collects all tanks vapour line
PROCESS RECIRCULATION HEADER	PROCESS AREA INTERCON. RACK	LNG line that connects reliquifier return line and truck recirculation header back to tanks
LNG SUPPLY HEADER	TK1xy1 INTERCON. RACK	LNG that collects all cargo tank pump discharge line to trucks loading header and reliquifier supply line
LIQUID TRANSFER HEADER	TK1xy1 INTERCON. RACK JETTY AREA	LNG line that connects liquid cargo header to all jetty loading arms
JETTY RECIRCULATION HEADER	TK1xy1 INTERCON. RACK JETTY AREA	LNG line that connects LNG supply header to liquid transfer header, near marine loading arms
VAPOUR TRANSFER HEADER	TK1xy1 INTERCON. RACK JETTY AREA	BOG line that connects vapor cargo header to all jetty loading arms
TRUCKS LOADING HEADER	TRUCK BAYS AREA TK1xy1 INTERCON. RACK	LNG line that connects LNG supply header to truck loading arms
TRUCKS VAPOUR HEADER	TRUCK BAYS AREA	BOG line that connects truck loading arms to vapour header
TRUCKS RECIRCULATION HEADER	TK1xy1 INTERCON. RACK TRUCK BAYS AREA	LNG line to connect trucks loading header to process recirculation header
DRAIN HEADER	TK1xy1 INTERCON. RACK JETTY AREA TRUCK BAYS AREA PROCESS EQUIPMENT AREA	LNG line that connects liquid drain from plant to cargo tanks
GF SUPPLY HEADER	GAS GENERATORS AREA	Gf line to connect gf superheater to generator inlet line
JETTY TANK DRAIN HEADER	JETTY AREA	Liquid line to connect MLA inlet line to tank spray line

Secondary pipelines

NAME	LOCATION	DESCRIPTION
SPRAY LINE	TK1xy1 PROCESS AREA	LNG line to connect recirculation line to tank in the upper part
TOP LINE	TK1xy1 PROCESS AREA	LNG line to connect loading line to tanks in the upper part
BOTTOM LINE	TK1xy1 PROCESS AREA	LNG line to connect loading line to tanks in the bottom part
VAPOUR LINE	TK1xy1 PROCESS AREA	BOG line to connect vapour header to tank
LOADING LINE	TK1xy1 PROCESS AREA	LNG line to connect liquid header to top and bottom line
DISCHARGE LINE	TK1xy1 PROCESS AREA	LNG line to connect tank pump to LNG supply header
RECIRCULATION LINE	TK1xy1 PROCESS AREA	LNG line to connect process recirculation header to spray line inside tank
VAPORIZER INLET	PROCESS EQUIPMENT AREA	LNG line to connect reliquifier supply line to vaporizer
VAPORIZER OUTLET	PROCESS EQUIPMENT AREA	Gf line to connect vaporizer to gf superheater inlet line
TRUCK LOADING LINE	PROCESS EQUIPMENT AREA	LNG line to connect truck loading header and truck loading arms
RELIQUIFIER SUPPLY LINE	PROCESS EQUIPMENT AREA	LNG line to connect LNG supply header to reliquifier inlet
RELIQUIFIER RETURN LINE	PROCESS EQUIPMENT AREA	LNG line to connect reliquifier outlet to reliquifier bypass line
RELIQUIFIER BYPASS LINE	PROCESS EQUIPMENT AREA	LNG line to connect reliquifier supply line to process recirculation header and not pass through the reliquifier
BOG HEATER INLET LINE	PROCESS EQUIPMENT AREA	BOG line to connect vapour header to BOG heater
BOG HEATER OUTLET LINE	PROCESS EQUIPMENT AREA	GF line to connect BOG heater outlet to gf superheater inlet line
GF SUPERHEATER INLET LINE	GAS GENERATORS AREA	GF line to connect BOG heater outlet line and vaporizer outlet to gf superheaters
GENERATOR INLET LINE	GAS GENERATORS AREA	GF line to connect gf supply header to one generator
MLA INLET LINE	JETTY AREA	LNG line to connect liquid transfer header to loading arm ship