

ALLEGATO 1

PFD

- PROCESS FLOW DIAGRAM NO SHIP UNLOADING MODE WITH GAS SENDOUT (3269 - VZ – DP – 2200 – 001)
- PROCESS FLOW DIAGRAM SHIP UNLOADING MODE WITH GAS SENDOUT (3269 - VZ – DP – 2200 – 002)
- PROCESS FLOW DIAGRAM FIRE WATER SYSTEMS (3269 – SZ – DP – 2263 – 001)
- PROCESS FLOW DIAGRAM FIRE WATER PUMPING SYSTEM (3269 – SZ – DP – 2263 – 002)
- SCHEMA DI PROCESSO SISTEMA ACQUA POTABILE (REV. 01 NOV 07)
- SCHEMA DI PROCESSO SISTEMA ACQUA DI SERVIZIO (REV. 01 NOV 07)
- SCHEMA DI PROCESSO SISTEMA ARIA STRUMENTI E SERVIZI (REV. 01 NOV 07)
- SCHEMA DI PROCESSO SISTEMA AZOTO (REV. 01 NOV 07)
- SCHEMA DI PROCESSO SISTEMA DIESEL (REV. 01 NOV 07)



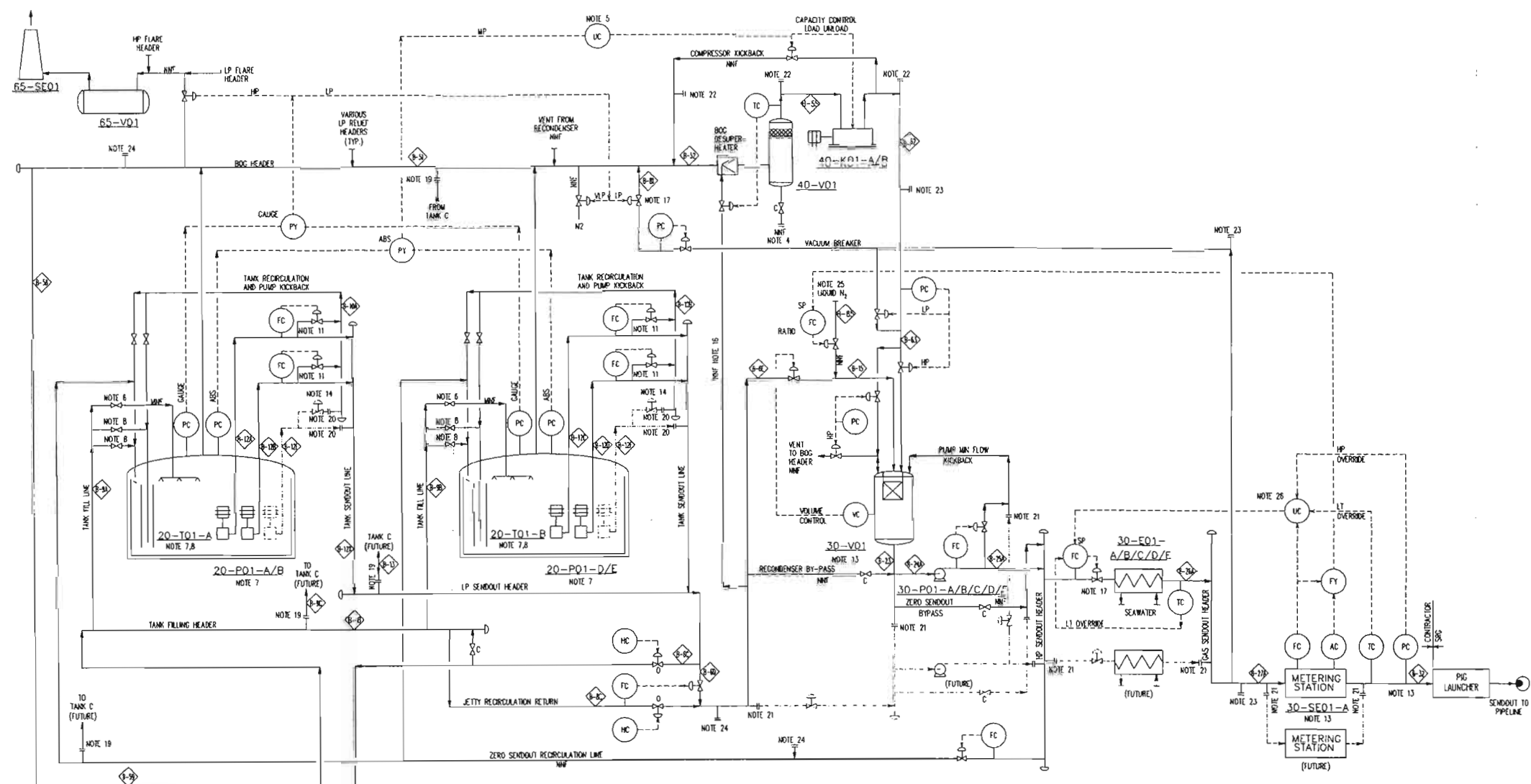
65-SF01 FLARE STACK	10-ULQ1-A/B LNG UNLOADING ARMS	10-V01-A JETTY KD DRUM	20-T01-A/B LNG STORAGE TANK	40-V01 BOG COMPRESSOR SUCTION KD DRUM	30-V01 RECONDENSER	30-E01-A/B/C/D/E OPEN RACK VAPORISERS	30-SF01-A METERING STATION (GRID)
65-V01 FLARE KD DRUM	10-ULQ2-A VAPOUR RETURN ARM	10-ULQ3-A DUAL PURPOSE LOADING ARM	20-P01-A/B IN TANK PUMPS	20-P01-D/E IN TANK PUMPS	40-K01-A/B BOWL OF GAS COMPRESSOR	30-P01-A/B/C/D/E SENDOUT PUMPS	

REFERENCE DOCUMENTS:-

- * HEAT AND MATERIAL BALANCE No. 3269-VZ-CP-2200_002
- * PROCESS FLOW DIAGRAM - SHIP UNLOADING WITH GAS SEND OUT No. 3269-VZ-CP-2200_002

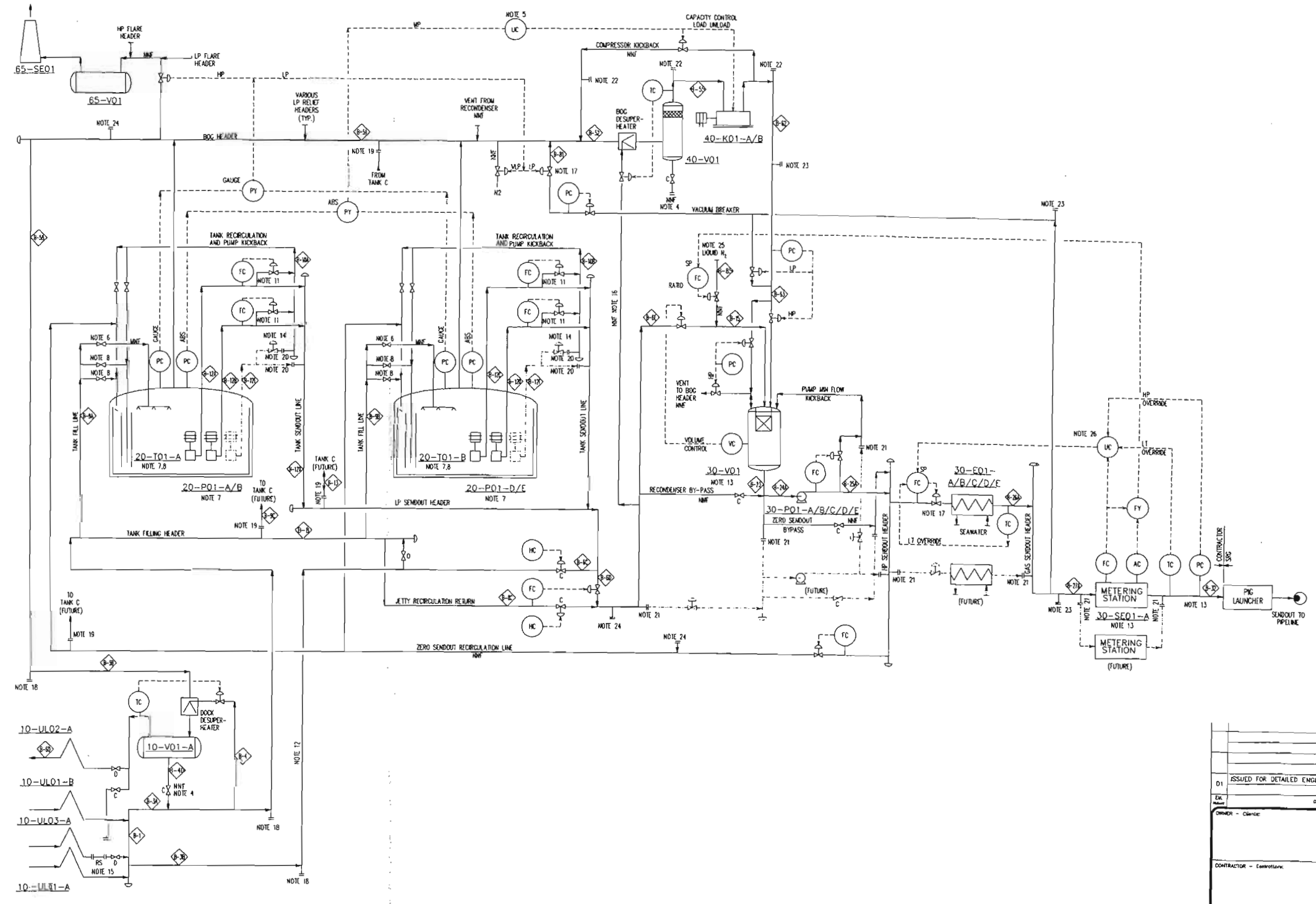
NOTES :-

1. NMF - NORMALLY NO FLOW
2. IN GENERAL ALL LINES IN LNG SERVICE ARE KEPT COLD WHEN NOT IN SERVICE BY RECIRCULATION OF LNG
3. DIAMONDS REFER TO STREAM NOS. ON ASSOCIATED HEAT AND MATERIAL BALANCE (DOCUMENT NO. 3269-VZ-CP-2200-001)
4. LIQUID REMOVAL BY PRESSURISATION WITH NITROGEN
5. LOCK BLOCK FOR COMPRESSOR CAPACITY AND SPILLBACK CONTROLS. LOADING STEPS 0-25%-50%-75%-100% AND VICE VERSA FOR UNLOADING
6. MANUAL FLOW CONTROL FOR USE OF TANK SPRAY BAR
7. IN-TANK PUMPS AND THEIR MOTORS LOCATED INSIDE THE TANK WITHIN WELLS. EACH TANK PROVIDED WITH IDENTICAL SPARE WELL FOR FUTURE THIRD PUMP
8. BOTH TOP AND BOTTOM LNG LOAD IN FACILITIES TO ENSURE GOOD MIXING. ALL CONNECTIONS VIA TOP OF TANK
9. PROCESS CONTROL LOOPS ARE SIMPLIFIED. REFER TO RELEVANT PID'S FOR DETAILS
10. WATERBATH OPERATIONS AND/OR FLOWS ARE NOT INCLUDED IN THE HEAT AND MATERIAL BALANCES
11. LOCKED OPEN BYPASS TO ENSURE MINIMUM FLOW MAINTAINED IN RECIRCULATION LINE FOR COOLING
12. BOTH THE MAIN UNLOADING LINE AND THE JETTY RECIRCULATION LINES USED DURING SHIP UNLOADING
13. KEY ANCHOR POINTS IN THE DESIGN ARE:
 - (a) SENDOUT TO PIPELINE AT 75 BARG MAXIMUM AND +1°C (MINIMUM)
 - (b) RECONDENSER OPERATION AT 3.0 BARG (OUTLET OF PACKED BED)
14. REVERSE FLOW THROUGH SPARE PUMP LINE TO KEEP IT COOL
15. SPOOL PIECE PERMITS USE OF 10-UX-03-A IN EITHER LOADED OR VAPOUR SERVICE
16. TO LIMIT BOG COMPRESSORS DISCHARGE TEMPERATURE IF REQUIRED
17. TWO VALVES IN PARALLEL
18. PROVISION FOR TE-IN OF FUTURE SECOND JETTY HEAD
19. PROVISION FOR TE-IN OF FUTURE LNG STORAGE TANK
20. PROVISION FOR TE-IN OF FUTURE IN-TANK PUMP
21. PROVISION FOR TE-IN OF FUTURE SEND-OUT TRAIL
22. PROVISION FOR TE-IN OF FUTURE COMPRESSOR
23. PROVISION FOR FUTURE FUEL GAS SYSTEM AND/OR WP SENDOUT (IF REQUIRED)
24. PROVISION FOR FUTURE TRUCK LOADING FACILITY
25. FOR CORRECTION OF SENDOUT GAS CALORIFIC VALUE & NOBIC NO.
26. CONTROL LOGIC TO DETERMINE NUMBER OF VAPORISER & SENDOUT PUMPS RUNNING
27. LNG TERMINAL IS DESIGNED FOR FUTURE EXTENSION (PHASE II). ADDITIONAL SEND OUT PUMPS, OPEN RACK VAPORISERS AND METERING ARE SHOWN IN DOTTED LINES



ISSUED FOR DETAILED ENGINEERING		ALT	M. NANG	V. TRILLY	12-05-05
LA. Drawn up	DESCRIPTION - Description	COMPL. Draw up	VERIF. DWG	APPROV. App. 6	DATA Date
OWNER - Client					
CONTRACTOR - Contractor					
QUESTO DOCUMENTO E' PROPRIETA' DI BRINDISI LNG E NON PUO' ESSERE UTILIZZATO IN ALCUN MODO DA TERZI SENZA PREVENTIVA AUTORIZZAZIONE		CONPL. IDENTIFICAZIONE JMB-EC-Term-07 3269-VZ-DP-2200-001		EX. 01 Extension Center © Date and Rev.	
This document is Brindisi LNG's property and cannot be used by others for any purpose without prior written consent					
BRINDISI LNG TERMINAL PROCESS FLOW DIAGRAM NO SHIP UNLOADING MODE WITH GAS SENDOUT					
REVISIONI - Rev.	SCALA DISEGNO - Draw scale	SCALA GRAFICA - Graphic scale	INF. CLIENTE - Client ref.		

65-SE01 FLARE STACK	10-UL01-A/B LNG UNLOADING ARMS	10-V01-A JETTY KO DRUM	20-T01-A/B LNG STORAGE TANK	40-V01 BOG COMPRESSOR SUCTION KO DRUM	30-V01 RECONDENSER	30-E01-A/B/C/D/E OPEN RACK VAPORISERS	30-SE01-A METERING STATION (GRID)
65-V01 FLARE KO DRUM	10-UL02-A VAPOUR RETURN ARM	10-UL03-A DUAL PURPOSE LOADING ARM	20-P01-A/B IN TANK PUMPS	20-P01-D/E IN TANK PUMPS	40-K01-A/B BOIL OF GAS COMPRESSOR	30-P01-A/B/C/D/E SENDOUT PUMPS	

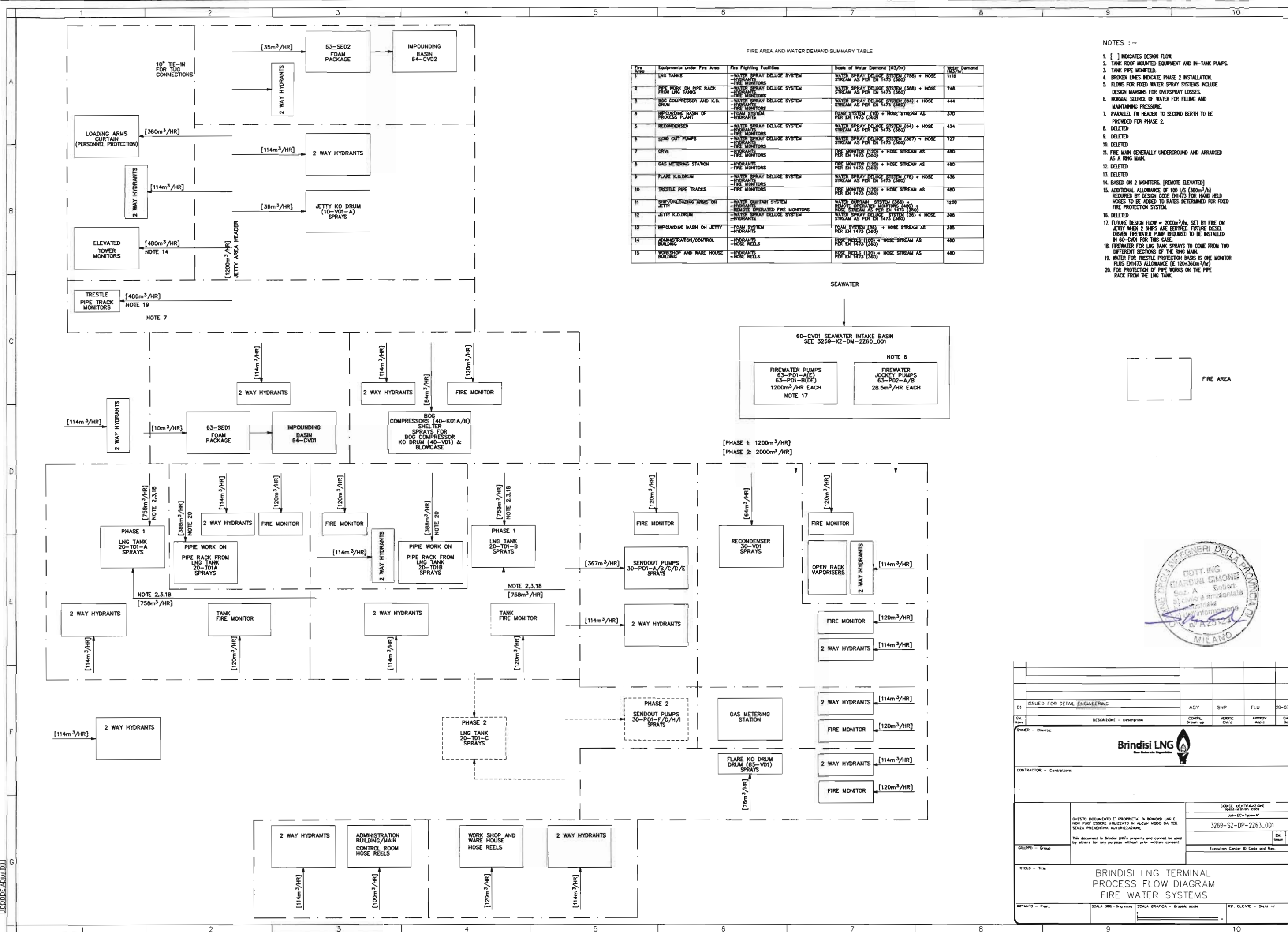


- REFERENCE DOCUMENTS:-
- * HEAT AND MATERIAL BALANCE No. 3269-VZ-DP-2200_002
 - * PROCESS FLOW DIAGRAM- NO SHIP UNLOADING WITH GAS SEND OUT No. 3269-VZ-DP-2200_001

- NOTES :-
- NMF = NORMALLY NO FLOW
 - IN GENERAL ALL LINES IN LNG SERVICE ARE KEPT COLD WHEN NOT IN SERVICE BY RECIRCULATION OF LNG
 - DRAWINGS REFER TO STREAM NOS. ON ASSOCIATED HEAT AND MATERIAL BALANCE (DOCUMENT NO. 3269-VZ-DP-2200-001)
 - LOAD REMOVAL BY COMPRESSOR CAPACITY AND SPILLBACK CONTROLS
 - LOAD BLOCK FOR COMPRESSOR CAPACITY AND SPILLBACK CONTROLS
 - LOADING STEPS 0-25%-50%-75%-100% AND VICE VERSA FOR UNLOADING
 - MANUAL FLOW CONTROL FOR USE OF TANK SPRAY BAR
 - INTANK PUMPS AND THEIR MOTORS LOCATED INSIDE THE TANK WITHIN WELLS. EACH TANK PROVIDED WITH IDENTICAL SPARE WELL FOR FUTURE THIRD PUMP
 - BOTH TOP AND BOTTOM LNG LOAD IN FACILITIES TO ENSURE GOOD WORKING. ALL CONNECTIONS VIA TOP OF TANK
 - PROCESS CONTROL LOOPS ARE SIMPLIFIED, REFER TO RELEVANT PIDS FOR DETAILS
 - INTERMITTENT OPERATIONS AND/OR FLOWS ARE NOT INCLUDED IN THE HEAT AND MATERIAL BALANCES
 - LOCKED OPEN BYPASS TO ENSURE MINIMUM FLOW MAINTAINED IN RECIRCULATION LINE FOR COOLING
 - BOTH THE MAIN UNLOADING LINE AND THE JETTY RECIRCULATION LINES USED DURING SHIP UNLOADING
 - KEY ANCHOR POINTS IN THE DESIGN ARE:
 - (a) SENDOUT TO PIPELINE AT 3.0 BAR (OUTLET OF PACKED BED)
 - (b) RECONDENSER OPERATION AT 3.0 BAR (OUTLET OF PACKED BED)
 - (c) REVERSE FLOW THROUGH SPARK PUMP LINE TO KEEP IT COOL
 - (d) SPOOL PIECE PERMITS USE OF 10-UL-03-A IN EITHER LOAD OR VAPOUR SERVICE
 - TO LIMIT BOG COMPRESSORS DISCHARGE TEMPERATURE IF REQUIRED
 - TWO VALVES IN PARALLEL
 - PROVISION FOR TE-IN OF FUTURE SECOND JETTY HEAD
 - PROVISION FOR TE-IN OF FUTURE LNG STORAGE TANK
 - PROVISION FOR TE-IN OF FUTURE IN-TANK PUMP
 - PROVISION FOR TE-IN OF FUTURE SEND-OUT TRAIN
 - PROVISION FOR TE-IN OF FUTURE COMPRESSOR
 - PROVISION FOR FUTURE FUEL GAS SYSTEM AND/OR HP SENDOUT (IF REQUIRED)
 - PROVISION FOR FUTURE TRUCK LOADING FACILITY
 - FOR CORRECTION OF SENDOUT GAS CALORIFIC VALUE & MOORE NO.
 - CONTROL LOGIC TO DETERMINE NUMBER OF VAPORIZER & SENDOUT PUMPS RUNNING
 - LNG TERMINAL IS DESIGNED FOR FUTURE EXTENSION (PHASE II). ADDITIONAL SEND OUT PUMPS, OPEN RACK VAPORIZERS AND METERING ARE SHOWN IN DOTTED LINES



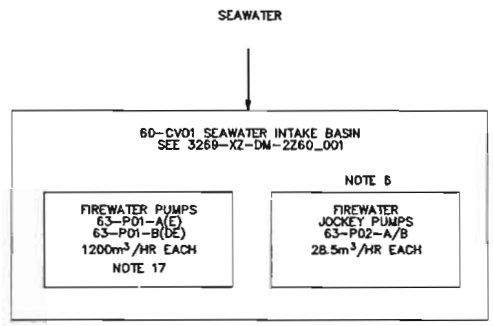
ISSUED FOR DETAILED ENGINEERING		MLT	M. ABANO	V. TIRRELLI	12-05-05
OWNER - Client:	BRINDISI LNG				
CONTRACTOR - Contractor:	GARDINI SIMONE				
GROUP - Group:	BRINDISI LNG				
TITLE - Title:	BRINDISI LNG TERMINAL PROCESS FLOW DIAGRAM SHIP UNLOADING MODE WITH GAS SENDOUT				
REPORT - Report:	SCALA ORG. - Diagram	SCALA GRAFICA - Graphical scale	REV. ELABORATE - Elaborated by		



FIRE AREA AND WATER DEMAND SUMMARY TABLE

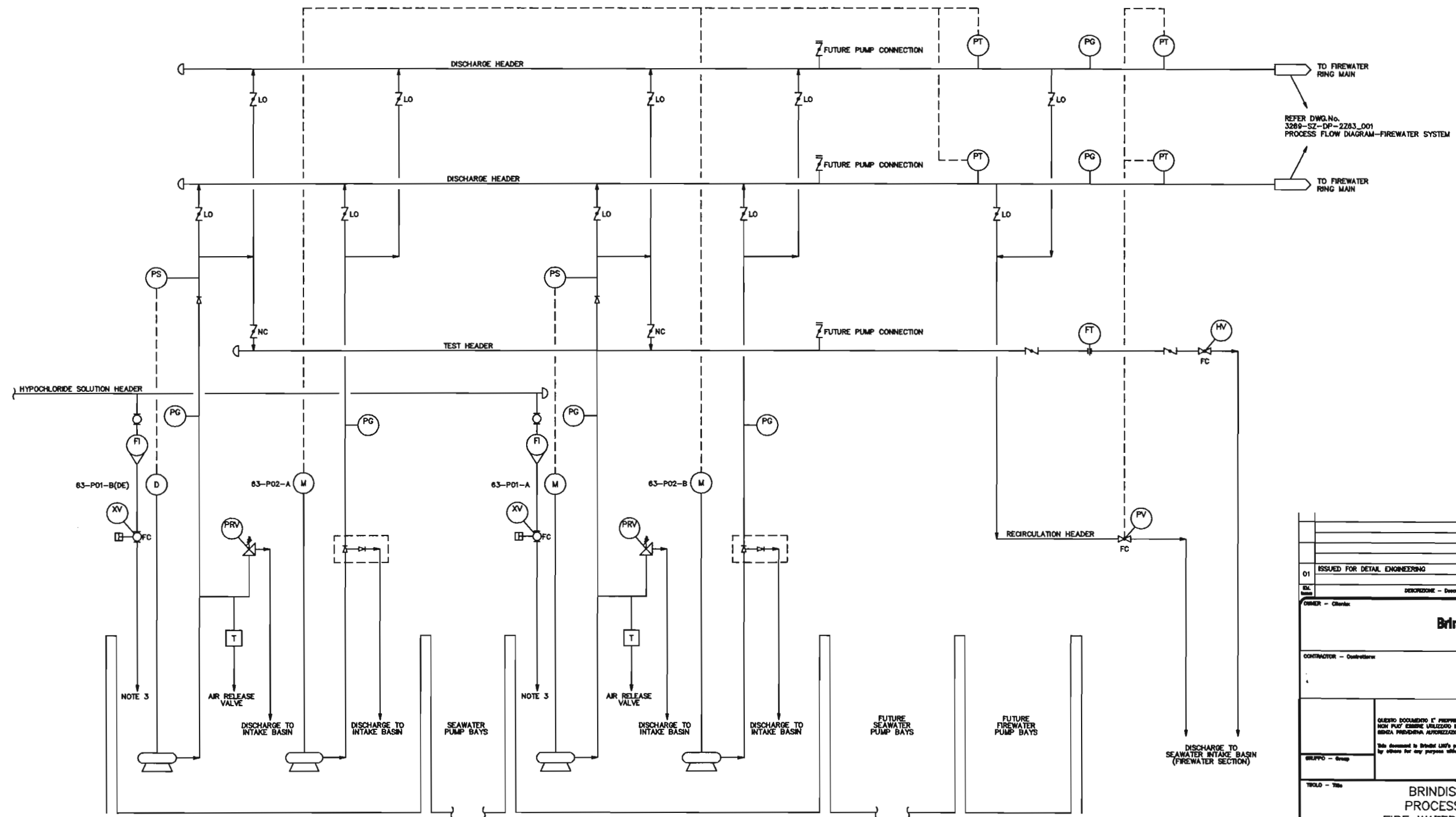
Fire Area	Equipments under Fire Area	Fire Fighting Facilities	Base of Water Demand (M ³ /hr)	Water Demand (M ³ /hr)
1	LNG TANKS	- WATER SPRAY DELUGE SYSTEM - HYDRANTS - FIRE MONITORS	WATER SPRAY DELUGE SYSTEM (758) + HOSE STREAM AS PER EN 1473 (360)	1118
2	PIPE WORK ON PIPE RACK FROM LNG TANKS	- WATER SPRAY DELUGE SYSTEM - HYDRANTS - FIRE MONITORS	WATER SPRAY DELUGE SYSTEM (588) + HOSE STREAM AS PER EN 1473 (360)	948
3	BOG COMPRESSOR AND K.O. DRUM	- WATER SPRAY DELUGE SYSTEM - HYDRANTS - FIRE MONITORS	WATER SPRAY DELUGE SYSTEM (64) + HOSE STREAM AS PER EN 1473 (360)	424
4	IMPONDING BASIN OF PROCESS PLANT	- FOAM SYSTEM - HYDRANTS	FOAM SYSTEM (10) + HOSE STREAM AS PER EN 1473 (360)	370
5	RECONDENSER	- WATER SPRAY DELUGE SYSTEM - HYDRANTS - FIRE MONITORS	WATER SPRAY DELUGE SYSTEM (64) + HOSE STREAM AS PER EN 1473 (360)	424
6	SEND OUT PUMPS	- WATER SPRAY DELUGE SYSTEM - HYDRANTS - FIRE MONITORS	WATER SPRAY DELUGE SYSTEM (567) + HOSE STREAM AS PER EN 1473 (360)	927
7	ORVs	- HYDRANTS - FIRE MONITORS	FIRE MONITOR (120) + HOSE STREAM AS PER EN 1473 (360)	480
8	GAS METERING STATION	- HYDRANTS - FIRE MONITORS	FIRE MONITOR (120) + HOSE STREAM AS PER EN 1473 (360)	480
9	FLARE K.O. DRUM	- WATER SPRAY DELUGE SYSTEM - HYDRANTS - FIRE MONITORS	WATER SPRAY DELUGE SYSTEM (76) + HOSE STREAM AS PER EN 1473 (360)	436
10	TRESTLE PIPE TRUCKS	- FIRE MONITORS	FIRE MONITOR (120) + HOSE STREAM AS PER EN 1473 (360)	480
11	SHIP/UNLOADING ARMS ON JETTY	- WATER CURTAIN SYSTEM - REMOTE OPERATED FIRE MONITORS	WATER CURTAIN SYSTEM (360) + REMOTE OPERATED MONITORS (480) + HOSE STREAM AS PER EN 1473 (360)	1200
12	JETTY K.O. DRUM	- WATER SPRAY DELUGE SYSTEM - HYDRANTS	WATER SPRAY DELUGE SYSTEM (36) + HOSE STREAM AS PER EN 1473 (360)	396
13	IMPONDING BASIN ON JETTY	- FOAM SYSTEM - HYDRANTS	FOAM SYSTEM (55) + HOSE STREAM AS PER EN 1473 (360)	415
14	ADMINISTRATION/CONTROL BUILDING	- HYDRANTS - HOSE REELS	HOSE REELS (120) + HOSE STREAM AS PER EN 1473 (360)	480
15	WORKSHOP AND WARE HOUSE BUILDING	- HYDRANTS - HOSE REELS	HOSE REELS (120) + HOSE STREAM AS PER EN 1473 (360)	480

- NOTES :-
- [] INDICATES DESIGN FLOW.
 - TANK ROOF MOUNTED EQUIPMENT AND IN-TANK PUMPS.
 - TANK PIPE MONITORS.
 - BROKEN LINES INDICATE PHASE 2 INSTALLATION.
 - FLOWS FOR FIXED WATER SPRAY SYSTEMS INCLUDE DESIGN MARGINS FOR OVERSPRAY LOSSES.
 - NORMAL SOURCE OF WATER FOR FILLING AND MAINTAINING PRESSURE.
 - PARALLEL FW HEADER TO SECOND BERTH TO BE PROVIDED FOR PHASE 2.
 - DELETED
 - DELETED
 - DELETED
 - FIRE MAIN GENERALLY UNDERGROUND AND ARRANGED AS A RING MAIN.
 - DELETED
 - DELETED
 - BASED ON 2 MONITORS. (REMOTE ELEVATED)
 - ADDITIONAL ALLOWANCE OF 100 L/S (360m³/hr) REQUIRED BY DESIGN CODE EN1473 FOR HAND HELD HOSES TO BE ADDED TO RATES DETERMINED FOR FIXED FIRE PROTECTION SYSTEM.
 - DELETED
 - FUTURE DESIGN FLOW = 2000m³/hr. SET BY FIRE ON JETTY WHEN 2 SHIPS ARE SERVED. FUTURE DESIG. DRIVEN FIREWATER PUMP REQUIRED TO BE INSTALLED IN 60-CV01 FOR THIS CASE.
 - FIREWATER FOR LNG TANK SPRAYS TO COME FROM TWO DIFFERENT SECTIONS OF THE RING MAIN.
 - WATER FOR TRESTLE PROTECTION BASES IS ONE MONITOR PLUS EN1473 ALLOWANCE (E 120+360m³/hr)
 - FOR PROTECTION OF PIPE WORKS ON THE PIPE RACK FROM THE LNG TANK.



01	ISSUED FOR DETAIL ENGINEERING	AGY	BNP	FLU	20-07-09
ENL	DESCRIPTION - Description	COMPL. Draw up	VERIFIC. Draw up	APPROV. Appr.	DATA Date
CONTRATTOR - Contrattore:					
CODICE IDENTIFICAZIONE Job-EC-Type-N° 3269-SZ-DP-2263_001					
QUESTO DOCUMENTO È PROPRIETÀ DI BRINDISI LNG E NON PUÒ ESSERE UTILIZZATO IN ALCUN MODO DA TERZA SENZA PREVENTIVA AUTORIZZAZIONE. This document is Brindisi LNG's property and cannot be used by others for any purpose without prior written consent.					
GRUPPO - Group Execution Center ID Code and Rev.					
TITOLO - Title BRINDISI LNG TERMINAL PROCESS FLOW DIAGRAM FIRE WATER SYSTEMS					
AUTORIZZAZIONE - Permesso		SCALA ORG - Org scale		SCALA GRAFICA - Graphical scale	
REV. CLIENTE - Client ref					

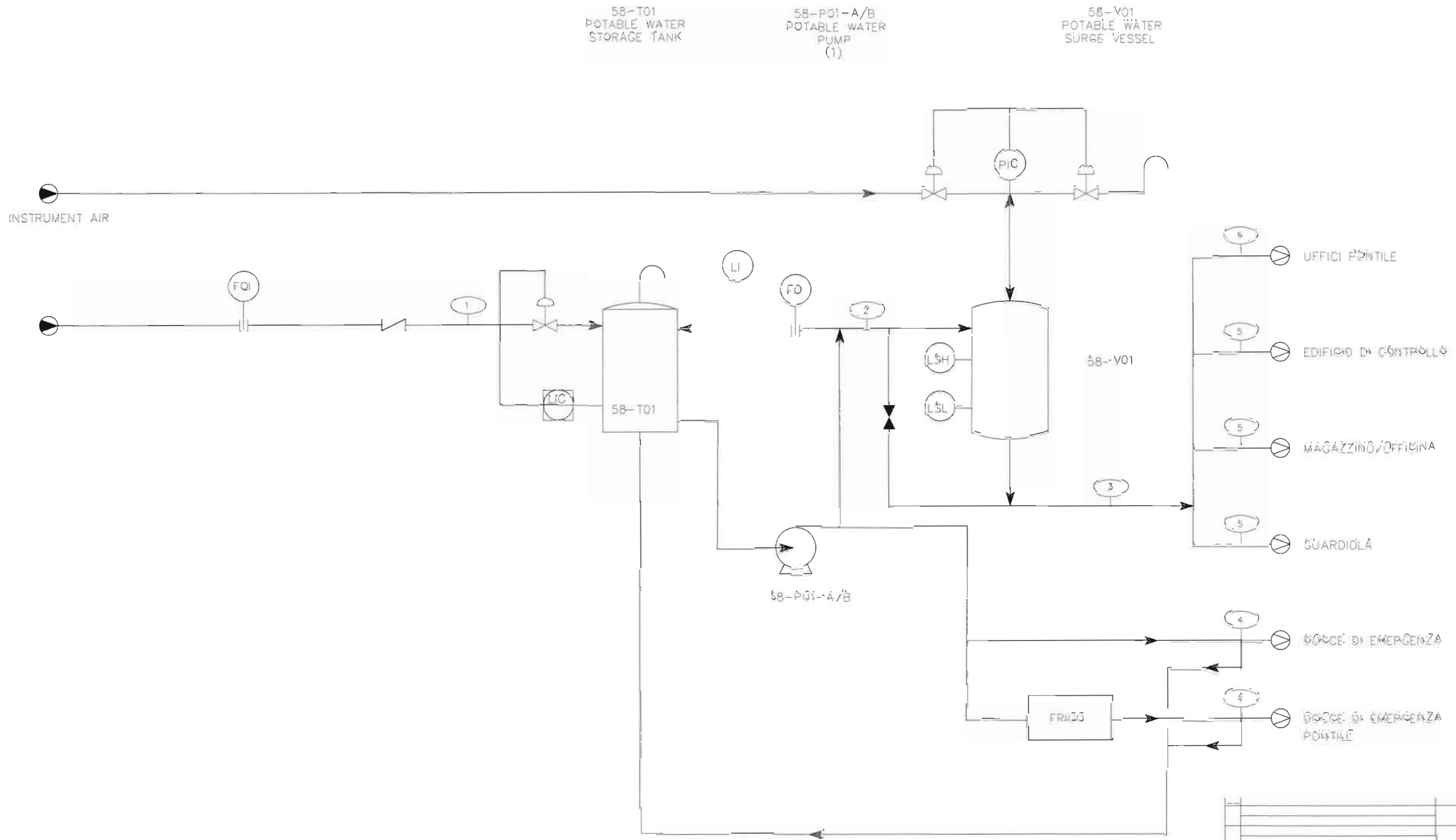
- NOTES :-
1. CAPACITY OF EACH MAIN FIRE WATER PUMP (63-P01-A/B) : 1200 m³/HR AT 12 BARG.
 2. CAPACITY OF EACH JOCKEY PUMP (63-P02-A/B) : 28.5 m³/HR AT 7 BARG.
 3. FOR DOSING INSIDE THE SEAWATER BASIN.



REFER DWG.No. 3269-SZ-DP-2263_001
PROCESS FLOW DIAGRAM-FIREWATER SYSTEM



01	ISSUED FOR DETAIL ENGINEERING	ADY	BNP	FLU	20-07-05
REV.	DESCRIPTION - Description	COMPL. Drawn up	REVISION. Des'g	APPROV. App'd	DATE
OWNER - Client:					
Brindisi LNG					
CONTRACTOR - Contractor:					
<small>QUESTO DOCUMENTO E' PROPRIETA' DI BRINDISI LNG E NON PUO' ESSERE UTILIZZATO IN ALCUN MODO DA TERZI SENZA PRECEDENTE AUTORIZZAZIONE.</small> <small>This document is Brindisi LNG's property and cannot be used by others for any purpose without prior written consent.</small>					
<small>QUESTO DOCUMENTO E' PROPRIETA' DI BRINDISI LNG E NON PUO' ESSERE UTILIZZATO IN ALCUN MODO DA TERZI SENZA PRECEDENTE AUTORIZZAZIONE.</small> <small>This document is Brindisi LNG's property and cannot be used by others for any purpose without prior written consent.</small>				CODICE IDENTIFICAZIONE 3269-SZ-DP-2263_002 REV. 01	
BRINDISI LNG TERMINAL PROCESS FLOW DIAGRAM FIRE WATER PUMPING SYSTEM					
APPROV. - Plant	SCALA ORG. - Org. scale	SCALA GRAFICA - Graphic scale	REV. CLIENTE - Client ref.		



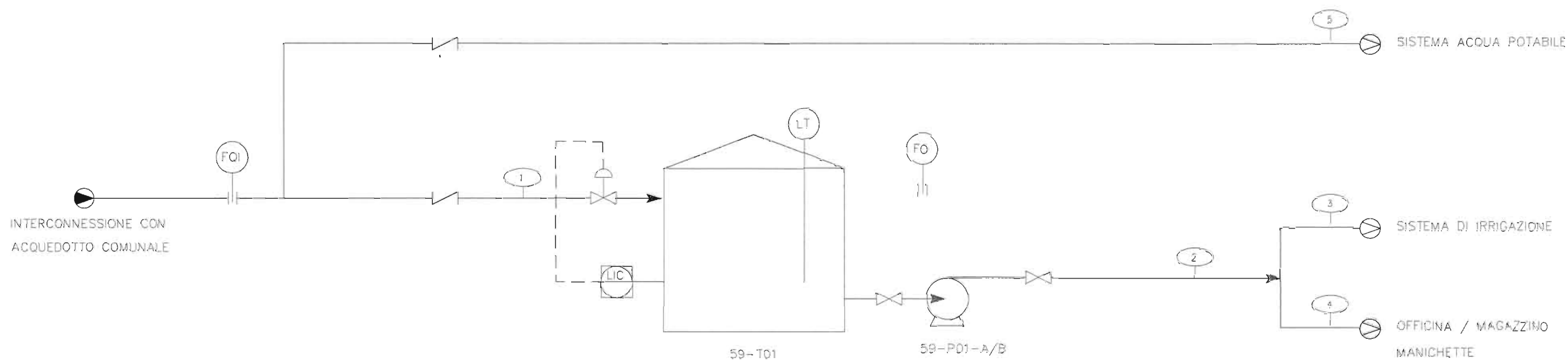
STREAM	1	2	3	4	5
FLUID	Service Water	Potable Water	Potable Water	Potable Water	Potable Water
FLOW RATE Norm. m3/h	2	0÷12	0÷12	0÷7	0÷5
FLOW RATE Max. m3/h	5	10	15	10	5
FLOW RATE Des. m3/h	10	10	15	10	10
TEMP. Max. °C	AMB	AMB	AMB	AMB	AMB
TEMP. Des. °C	60	60	60	60	60
PRESSURE Max. kg/cm2g	3.5	5	5	5	5
PRESSURE Des. kg/cm2g	-	10	10	10	10



NOV07	
OWNER - Cliente:	Brindisi LNG
CONTRACTOR - Contruttore:	
GRUPPO - Group:	
TITOLO - Title:	SCHEMA DI PROCESSO SISTEMA ACQUA POTABILE
IMPIANTO - Plant:	

59-T-01
SERBATOIO ACQUA DI SERVIZIO

59-P-01 A/B
POMPE RILANCIO ACQUA DI SERVIZIO



		1	2	3	4	5
FLUIDO		Acqua Munic.	Acqua Serv	Acqua Serv	Acqua Serv	Acqua Serv
PORTATA	Norm. m3/h	2	2	0+5	0+5	2
PORTATA	Max. m3/h	5	5	10	10	5
PORTATA	Prog. m3/h	10	10	10	10	10
TEMP.	Max. °C	AMB	AMB	AMB	AMB	AMB
TEMP.	Prog. °C	-5/75	-5/75	-5/75	-5/75	-5/75
PRES.	Max. kg/cm2g	3.5	3.5	3.5	3.5	3.5
PRES.	Prog. kg/cm2g	-	10	10	10	10



EM. N°	DESCRIZIONE - Description	COMPL. DATA	VERIFIC. DATA	APPROV. DATA	DATA
1					10/07

CLIENTE - Cliente
Brindisi LNG

CONTRATTORE - Contrattore

GRUPPO - Group

TITOLO - Title
**SCHEMA DI PROCESSO
SISTEMA ACQUA DI SERVIZIO**

IMPIANTO - Plant

SCALA ORG - Org scale

SCALA QUANT - Quant scale

REV CLIENTE - Client ref

56-K01-A/B

PACKAGE COMPRESSORI
ARIA STRUMENTI E SERVIZI

56-V01

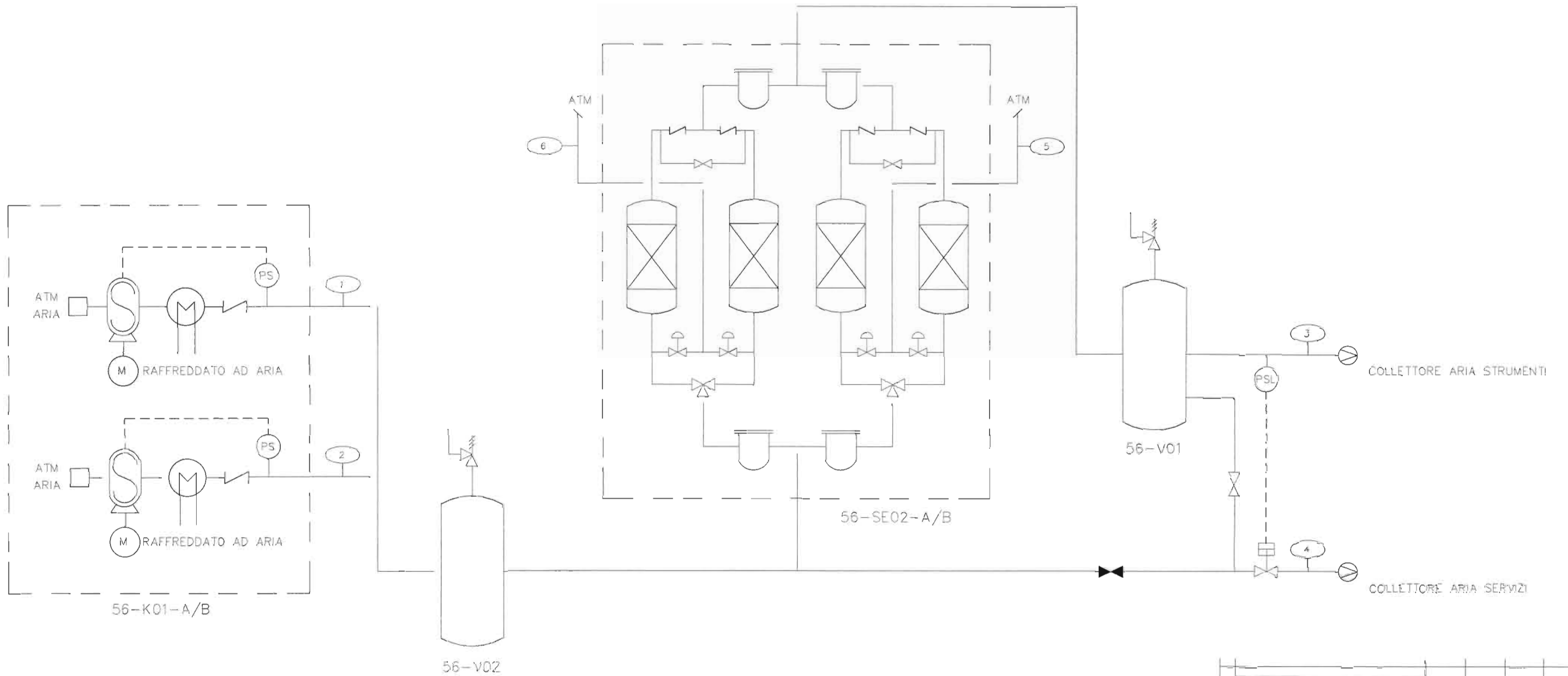
ACCUMULO ARIA STRUMENTI

56-V02

ACCUMULO ARIA SERVIZI

56-SE02-A/B

PACKAGE DEUMIDIFICAZIONE ARIA

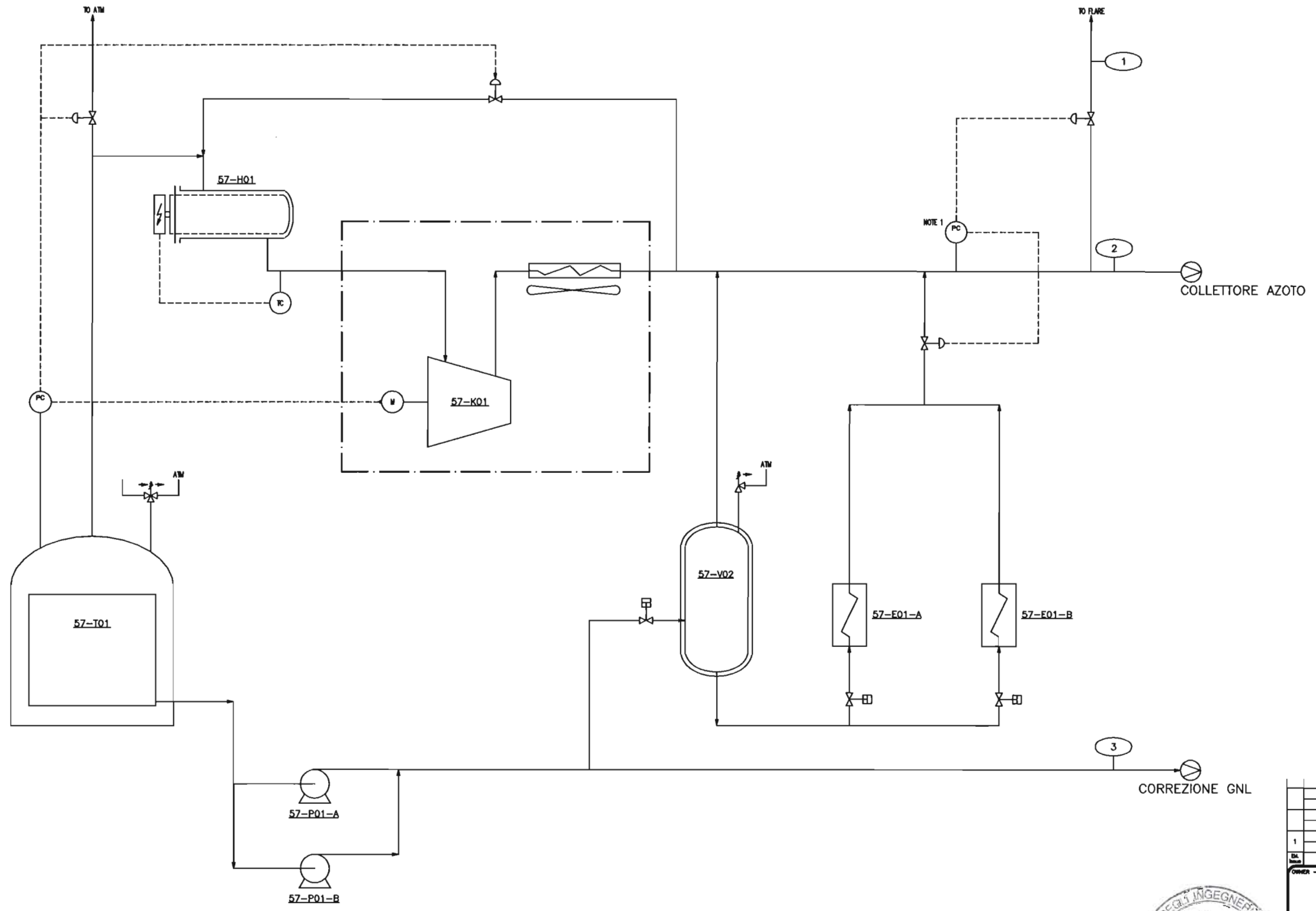


		1	2	3	4	5	6
FLUIDO		Aria Com.	Aria Com.	Aria Strum.	Aria Com.	Aria Com.	Aria Com.
PORTATA	Norm. m3/h	0-300	0-300	140	0-200	0-50	0-50
PORTATA	Des. m3/h	300	300	300	300	50	60
TEMP.	Norm. °C	45	45	45	45	45	45
TEMP.	Des. °C	60	60	60	60	60	60
PRES.	Norm. kg/cm2g	7.6	8.0	7.0	7.0	Atm.	Atm.
PRES.	Des. kg/cm2g	10	10	10	10	Atm.	Atm.
PUNTO DI RUGIADA	7 kg/cm2g	Satur.	Satur.	-25	Satur.	Satur.	Satur.



1						NOV07	
FILE	DESCRIZIONE - Description	COMPL. Data	VERIF. Data	APPROV. Data	DATA	Data	
OWNER - Cliente: Brindisi LNG							
CONTRACTOR - Contrattatore:							
QUESTO DOCUMENTO E' PROPRIETA' DI BRINDISI LNG E NON PUO' ESSERE UTILIZZATO IN ALCUN MODO DA TERZI SENZA PRESENTATA AUTORIZZAZIONE. This document is Brindisi LNG's property and cannot be used by others for any purpose without prior written consent.				DATA DI EMISSIONE 11/12/07			
GRUPPO - Group		Esecuzione Cartelle: ID Code and Rev.		DISEGNO - Drawing		CLIENTE - Client ref.	
TITOLO - Title: SCHEMA DI PROCESSO SISTEMA ARIA STRUMENTI E SERVIZI							
SEALTA ORG - Organello		SEALTA CRATEA - Gruppo scala		SEALTA CLIENTE - Client ref.			

57-T01 SERBATOIO ATMOSFERICO AZOTO LIQUIDO
57-H01 RISCALDATORE ELETTRICO PER BOIL-OFF DI AZOTO
57-P01-A/B POMPA AZOTO LIQUIDO
57-K01 COMPRESSORE PER BOIL-OFF DI AZOTO
57-V02 SERBATOIO AZOTO LIQUIDO
57-E01-A/B VAPORIZZATORE ATMOSFERICO AZOTO LIQUIDO



		①	②	③
FLUIDO		AZOTO GAS.	AZOTO GAS.	AZOTO LIQ
PORTATA	Norm. Nm ³ /h	120	0-110	33 m ³ /h
PORTATA	Des. Nm ³ /h	120	700	35 m ³ /h
TEMP.	Norm. °C	60	60	-196
TEMP.	Des. °C	-5/75	-5/75	-196/75
PRES.	Norm. kg/cm ² g	4	4	4
PRES.	Des. kg/cm ² g	8	8	13



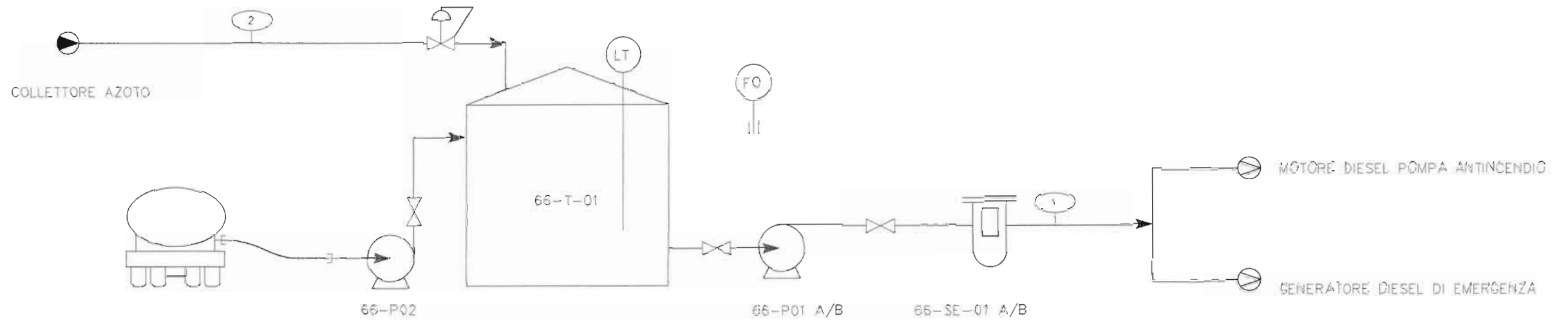
1		NOV07	
ELABORAZIONE	DESCRIZIONE - Description	COMPL. Draw up	VERIF. Check
APPROV. Appr.	DATA Date		
OWNER - Cliente: Brindisi LNG			
CONTRACTOR - Contruttore: DOTT. ING. GIARDINI SIMONE Sez. A via ... 20123 MILANO			
GRUPPO - Group		CODICE IDENTIFICAZIONE Identification code Job-80-Type-#	
TITOLO - Title		SCHEMA DI PROCESSO SISTEMA AZOTO	
APPUNTO - Plant	SCALA ORIG.-Orig.scale	SCALA GRAFICA - Graphical scale	SP. CLIENTE - Client ref.

66-P-02
POPMPA DI SCARICAMENTO DIESEL

66-T-02
SERBATOIO DIESEL

66-P-01 A/B
POMPE DI TRASFERIMENTO DIESEL

66-SE-01 A/B
SISTEMA FILTRI DIESEL



		1	2
FLUIDO		Diesel	Azoto
PORTATA	Norm. m ³ /h	0	0÷3
PORTATA	Prog. m ³ /h	3	3
TEMP.	Max. °C	amb.	-5÷60
TEMP.	Prog. °C	-5/15	-5/70
PRES.	Max. kg/cm ² g	3,5	4
PRES.	Prog. kg/cm ² g	6	8



CONSTRUCTION - Cellulare	
Gruppo - Group	
Titolo - Title	
SCHEMA DI PROCESSO SISTEMA DIESEL	
CLIENTE - Client	DATA - Date