

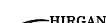
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
*****	A3	BK-GCS-PEDCO-120-SA-PI-0001	01 OF 8	D06	053-073-9184	F	2	A	708995	01 OF 8	D06

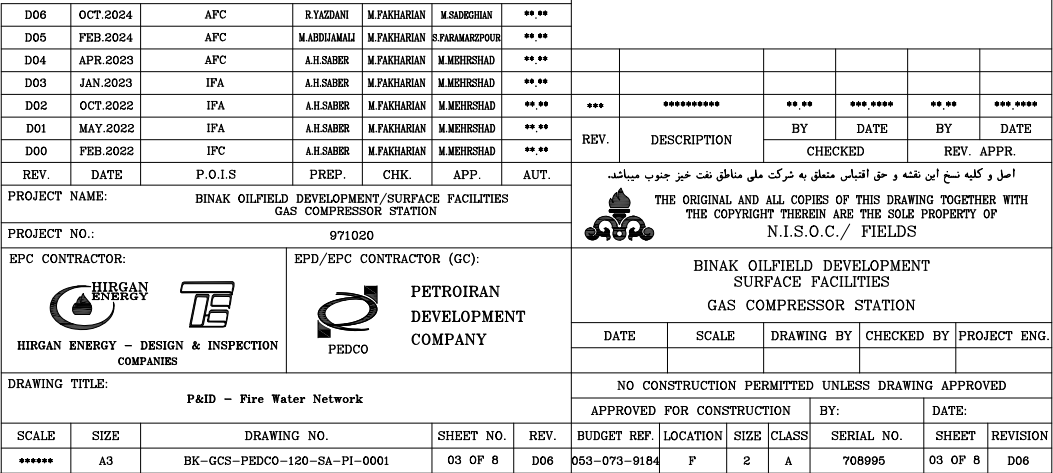


- | REFERENCE DRAWING | DRG. No. |
|--|-----------------------------|
| CALCULATION NOTE FOR FIRE WATER DEMAND | BK-GCS-PEDCO-120-SA-CN-0002 |
| FPD – FIRE WATER SYSTEM | BK-GCS-PEDCO-120-SA-PF-0001 |
| Fire Water Hydraulic Calculation Note | BK-GCS-PEDCO-120-SA-CN-0003 |

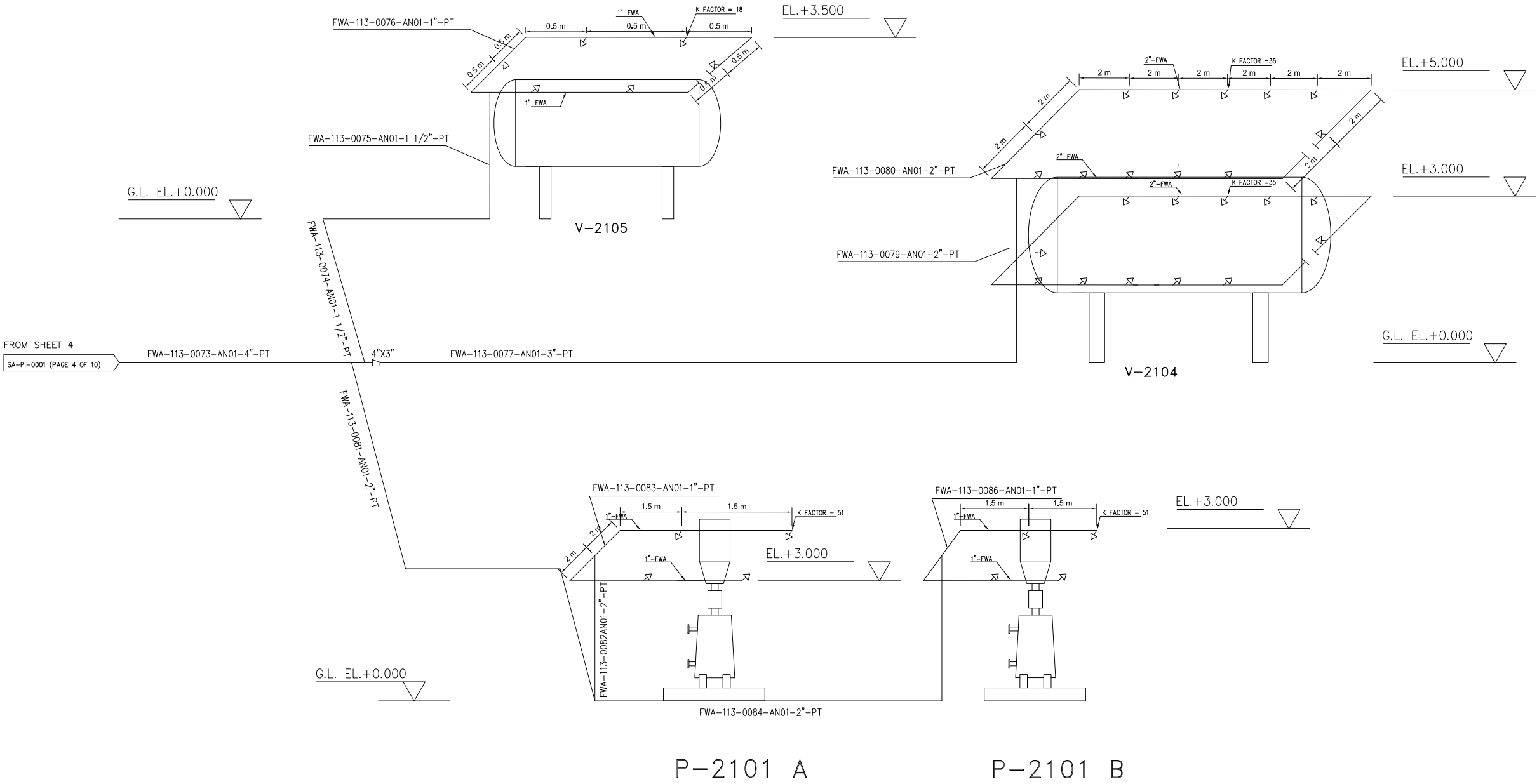
...	*****	..	..	..	..
REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

EPC CONTRACTOR:		EPD/EPC CONTRACTOR (GC):		BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION											
 HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES		 PEDCO		PETROIRAN DEVELOPMENT COMPANY		DATE		SCALE		DRAWING BY		CHECKED BY		PROJECT ENG.	
DRAWING TITLE: P&ID - Fire Water Network						NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED									
						APPROVED FOR CONSTRUCTION						BY:		DATE:	
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.		SHEET	REVISION	
*****	A3	BK-GCS-PEDCO-120-SA-PI-0001			02 OF 8	D06	053-073-9184	F	2	A	708995		02 OF 8	D06	



NOZZLE DETAILS				
PROTECTED EQUIPMENT	K FACTOR LPM/√ BAR	QTY	PRESSURE ON NOZZLES (BARG)	SPRAY ANGLE (DEGREE)
V-2104	35.00	24	3	160
V-2105	18.00	6	3.5	160
P-2101 A/B	51.00	8	3	160



NOTES

1- NOZZLES WILL BE INSTALLED WITH 2.5 METERS DISTANCES FROM EACH OTHER IN LENGTHS. THIS IS BASED ON COVERAGE AREA BY EACH NOZZLE BASED ON SELECTED PROPER NOZZLE TYPE.

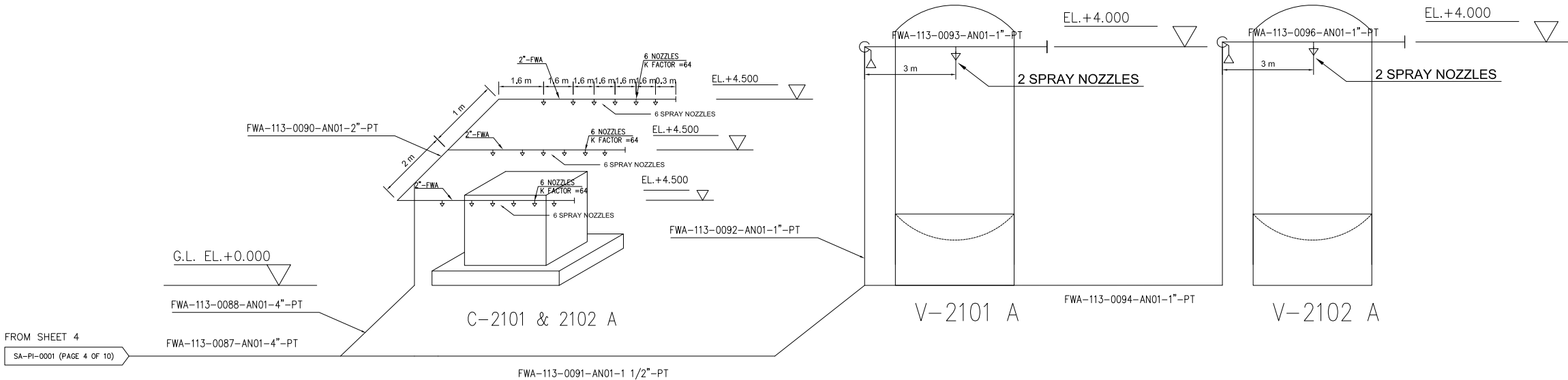
REFERENCE DRAWING	DRG. No.
CALCULATION NOTE FOR FIRE WATER DEMAND	BK-GCS-PEDCO-120-SA-CN-0008
PFD - FIRE WATER SYSTEM	BK-GCS-PEDCO-120-SA-PF-0001
Fire Water Hydraulic Calculation Note	BK-GCS-PEDCO-120-SA-CN-0008

D06	OCT.2024	APC	R.YAZDANI	M.PAKHARIAN	M.SADREKHAN	** **
D05	FEB.2024	APC	M.ABDUAMALI	M.PAKHARIAN	S.PARMAREPOUR	** **
D04	APR.2023	APC	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	** **
D03	JAN.2023	IFA	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	** **
D02	OCT.2022	IFA	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	** **
D01	MAY.2022	IFA	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	** **
D00	FEB.2022	IPC	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	** **

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION						
PROJECT NO.:			971020			
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):			
 HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY			
DRAWING TITLE:						
P&ID - Fire Water Network						
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.
*****	A3	BK-GCS-PEDCO-120-SA-PI-0001			05 OF 8	D06

REV.	DESCRIPTION	CHECKED	REV.	APPR.
***	*****	** **	*** **	** **
BY	DATE	BY	DATE	DATE
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS				
BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION				
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED				
APPROVED FOR CONSTRUCTION				
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
*****	A3	BK-GCS-PEDCO-120-SA-PI-0001	05 OF 8	D06

NOZZLE DETAILS				
PROTECTED EQUIPMENT	K FACTOR LPM/√ BAR	QTY	PRESSURE ON NOZZLES (BARG)	SPRAY ANGLE (DEGREE)
C-2101 & 2102 A	64.00	18	4	160
V-2101 A	35.00	2	3	160
V-2102 A	30.00	2	3	160



NOTES

1- NOZZLES WILL BE INSTALLED WITH 2.5 METERS DISTANCES FROM EACH OTHER IN LENGTHS. THIS IS BASED ON COVERAGE AREA BY EACH NOZZLE BASED ON SELECTED PROPER NOZZLE TYPE.

REFERENCE DRAWING	DRG. No.
CALCULATION NOTE FOR FIRE WATER DEMAND	BK-GCS-PEDCO-120-SA-CN-0008
FPD - FIRE WATER SYSTEM	BK-GCS-PEDCO-120-SA-PF-0001
Fire Water Hydraulic Calculation Note	BK-GCS-PEDCO-120-SA-CN-0009

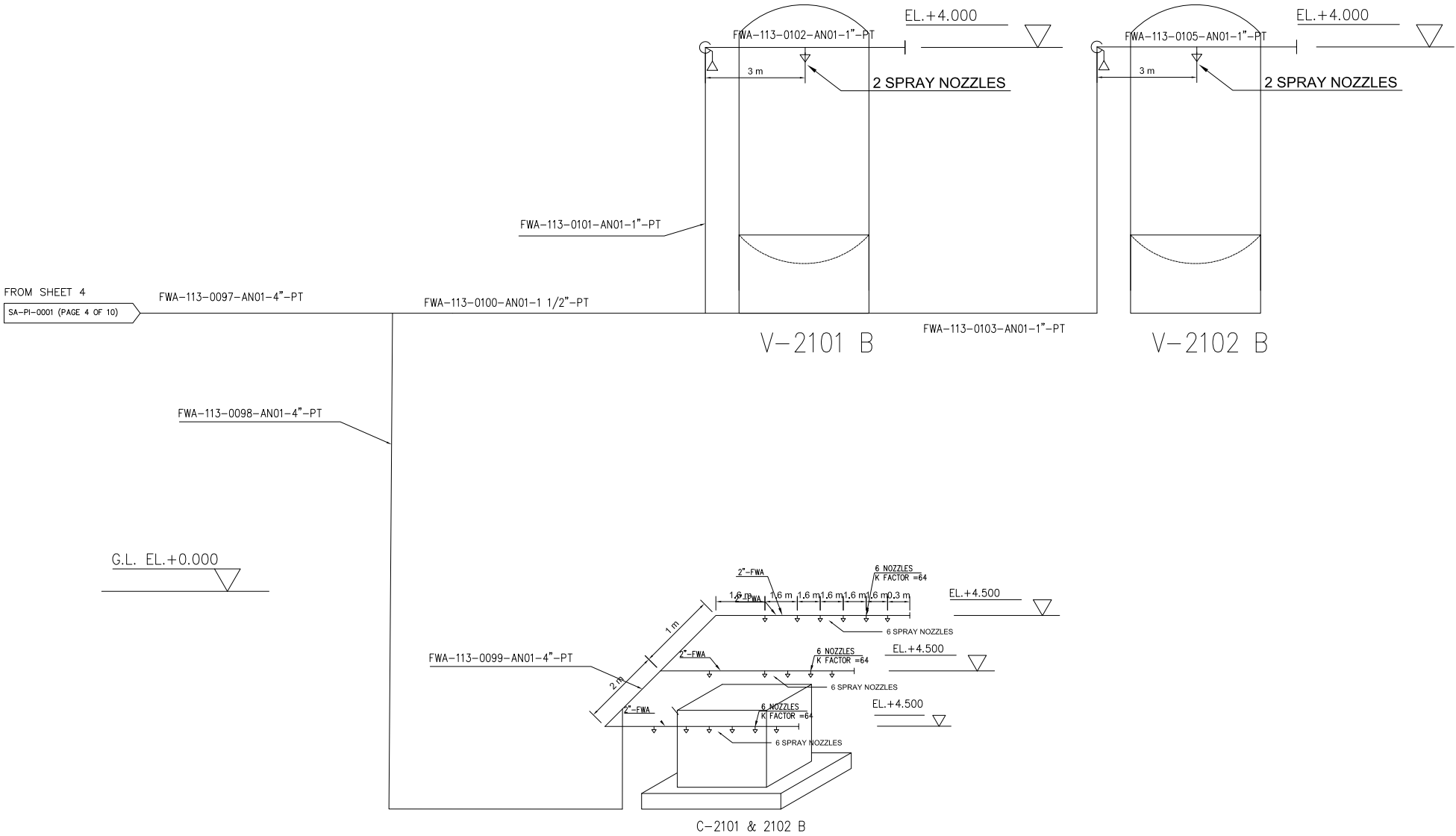
D06	OCT.2024	AFC	R.YAZDANI	M.PAKHARIAN	M.SABERHAN	** **
D05	FEB.2024	AFC	M.ABDUJAMALI	M.PAKHARIAN	S.PARAMAREPOUR	** **
D04	APR.2023	AFC	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	** **
D03	JAN.2023	IFA	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	** **
D02	OCT.2022	IFA	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	** **
D01	MAY.2022	IFA	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	** **
D00	FEB.2022	IPC	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	** **
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION						
PROJECT NO.: 971020						
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):			
 HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY			
DRAWING TITLE: P&ID – Fire Water Network						
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.
*****	A3	BK-GCS-PEDCO-120-SA-PI-0001			06 OF 8	D06

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BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION					
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.	
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED					
APPROVED FOR CONSTRUCTION			BY:		DATE:
BUDGET REF.	LOCATION	SIZE CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	2	A	708995	06 OF 8 D06

NOZZLE DETAILS				
PROTECTED EQUIPMENT	K FACTOR LPM/√ BAR	QTY	PRESSURE ON NOZZLES (BARG)	SPRAY ANGLE (DEGREE)
C-2101 & 2102 B	64.00	18	4	160
V-2101 B	35.00	2	3	160
V-2102 B	30.00	2	3	160

NOTES

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D05	FEB.2024	APC	M.ABDOLMALI	M.PAKHARIAN	S.PARMAREPOUR	** **
D04	APR.2023	APC	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	** **
D03	JAN.2023	IPA	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	** **
D02	OCT.2022	IPA	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	** **
D01	MAY.2022	IPA	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	** **
D00	FEB.2022	IPC	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	** **

PROJECT NAME:		BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION			
PROJECT NO.:		971020			
EPC CONTRACTOR:		EPD/EPC CONTRACTOR (GC):			
 HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES		 PETROIRAN DEVELOPMENT COMPANY			
DRAWING TITLE:					
P&ID - Fire Water Network					
SCALE	SIZE	DRAWING NO.		SHEET NO.	REV.
*****	A3	BK-GCS-PEDCO-120-SA-PI-0001		07 OF 8	D06

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED				
APPROVED FOR CONSTRUCTION			BY:	DATE:
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.
*****	A3	BK-GCS-PEDCO-120-SA-PI-0001	07 OF 8	D06

