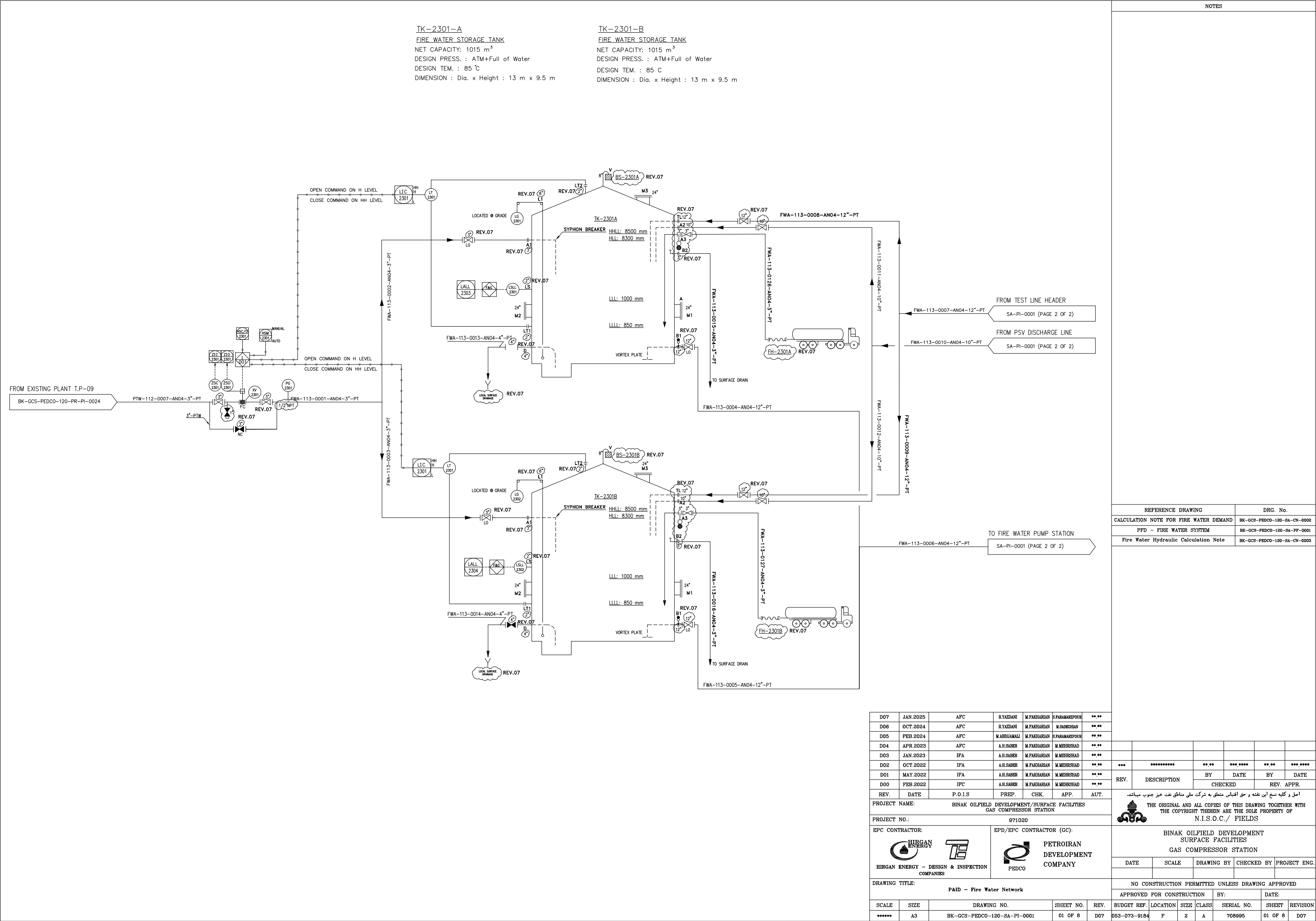
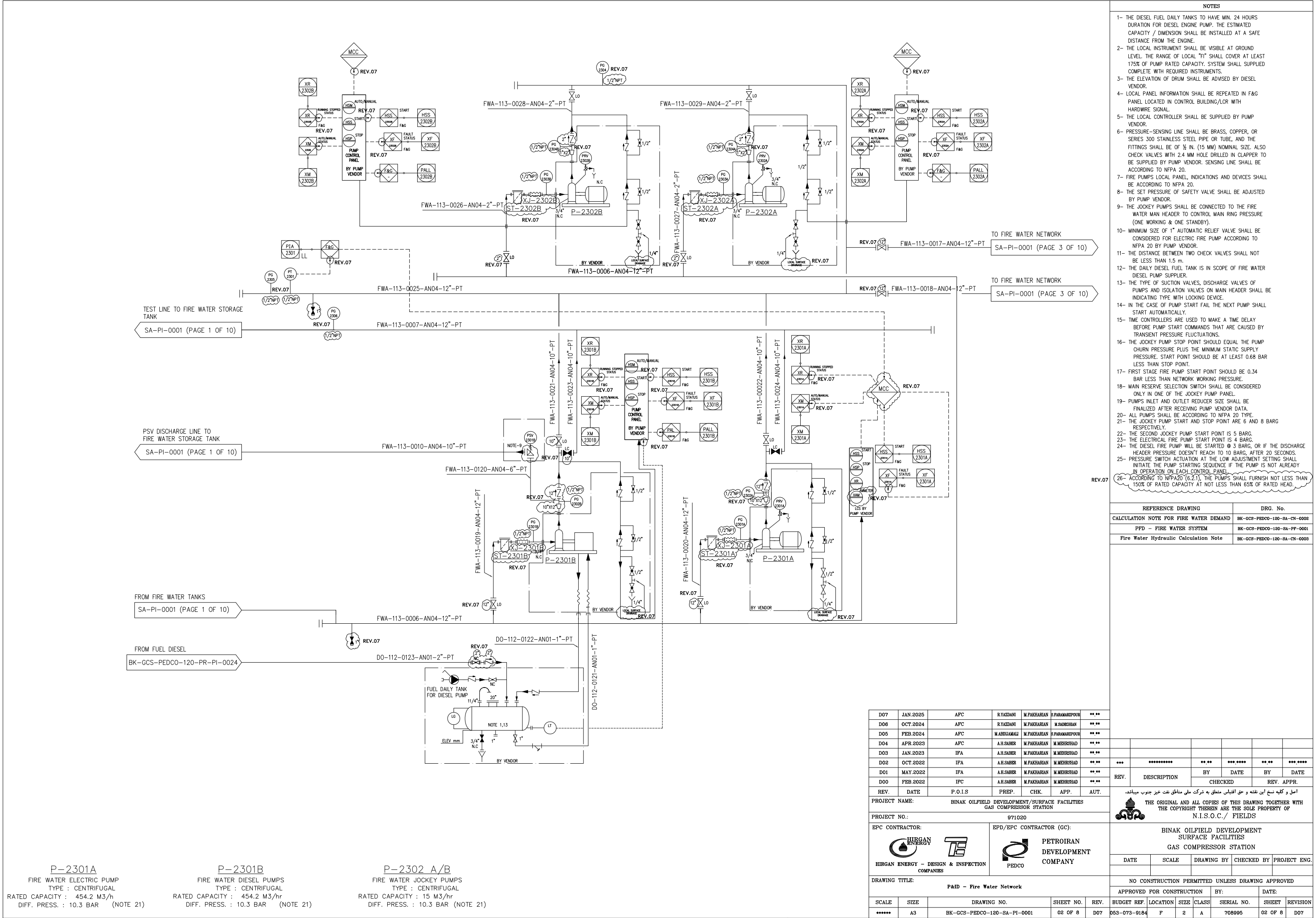








NOTES

1- THE HYDRANT/MONITORS SHALL BE LOCATED LONG ACCESS
WAYS AND ROADWAYS, AT LEAST 15 M AWAY FROM THE
EQUIPMENT TO BE PROTECTED AND 1.5 M FROM EDGE OF ACCESS
ROADS.

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

D07	JAN.2025	APC	R.YAZDANI	M.PAKHARIAN	S.PARMAZEPUR	**
D08	OCT.2024	APC	R.YAZDANI	M.PAKHARIAN	M.SADROGHIAN	**
D05	FEB.2024	APC	M.ABDIJAMALI	M.PAKHARIAN	S.PARMAZEPUR	**
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	**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

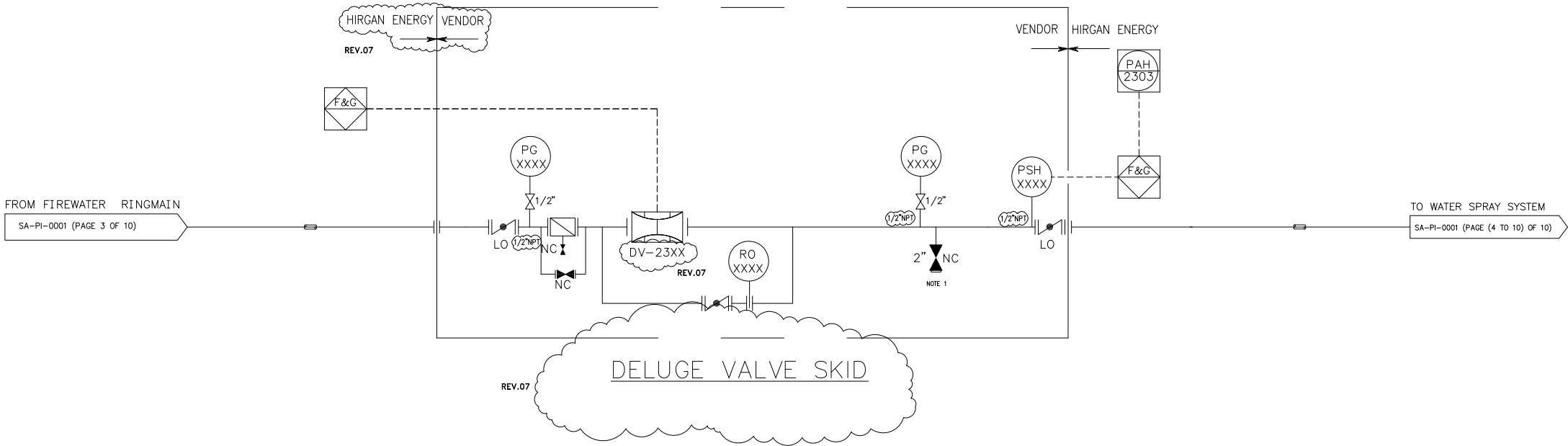
اصل و کلیه نسخ این نقشه و حق اقیاسی متعلق به شرکت ملی مناطق نفت خیز جنوب می باشد.

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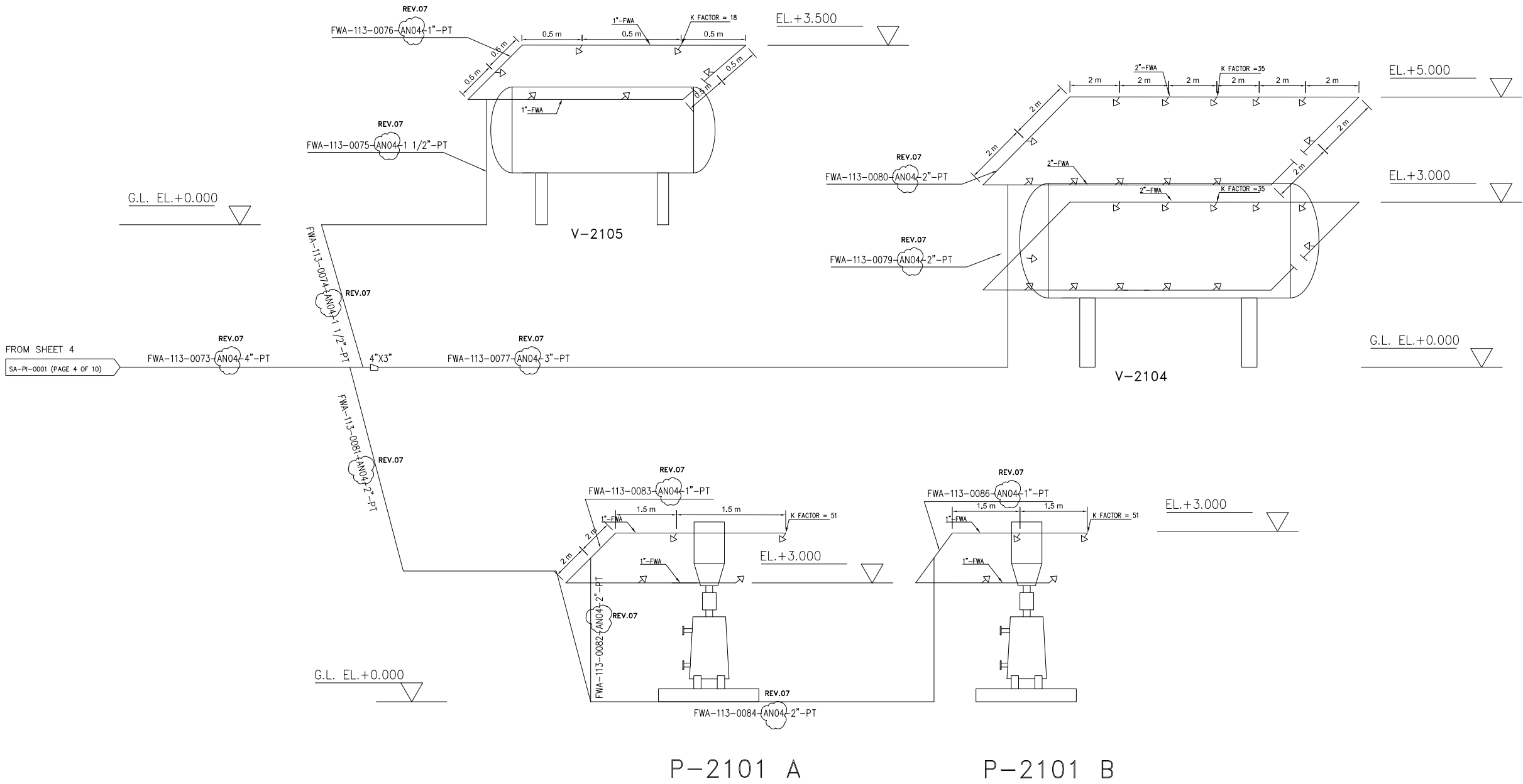
EPC CONTRACTOR:		EPD/EPC CONTRACTOR (GC):		BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION									
 HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES		 PETROIRAN DEVELOPMENT COMPANY		DATE		SCALE		DRAWING BY		CHECKED BY		PROJECT ENG.	
DRAWING TITLE:				NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED									
P&ID - Fire Water Network				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		03 OF 8	D07	053-073-9184	F	2	A	708995	03 OF 8	D07	

DELUGE VALVE DETAILS			
DELUGE NO.	SIZE	FLOW RATE(M3/HR)	COVERED EQUIPMENT NO.
DV-2301	4	150	V-2104
			V-2105
			P-2101 A/B
DV-2302	6	155	C-2101 & 2102 A
			V-2101 A
			V-2102 A
DV-2303	6	155	C-2101 & 2102 B
			V-2101 B
			V-2102 B
DV-2304	6	161	C-2101 & 2102 C
			V-2101 C
			V-2102 C
			V-2103



D07	JAN.2025	APC	R.YAZDANI	M.PAKHARIAN	S.PARAMARZPOUR	** **							
D06	OCT.2024	APC	R.YAZDANI	M.PAKHARIAN	M.SABERGHAN	** **							
D05	FEB.2024	APC	M.ABDOLAMALI	M.PAKHARIAN	S.PARAMARZPOUR	** **							
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	** **	REV.	DESCRIPTION	BY	DATE	BY	DATE	
D00	FEB.2022	IPC	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	** **					CHECKED		REV.
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	اصل و کليه نسخ اين نقشه و حق اقباس معلق به شرکت ملی مناطق نفت خيز جنوب ميباشد.						
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION								THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS					
PROJECT NO.: 971020													
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):				BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION						
 HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES			 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			04 OF 8	D07	053-073-9184	F	2	A	708995	04 OF 8	D07

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

D07	JAN.2025	APC	R.YAZDANI	M.PAKHARIAN	S.PARAMARZPOUR	** **
D06	OCT.2024	APC	R.YAZDANI	M.PAKHARIAN	M.SADREGHAN	** **
D05	FEB.2024	APC	M.ABDUAMALI	M.PAKHARIAN	S.PARAMARZPOUR	** **
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	** **

اسم و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب می باشد.

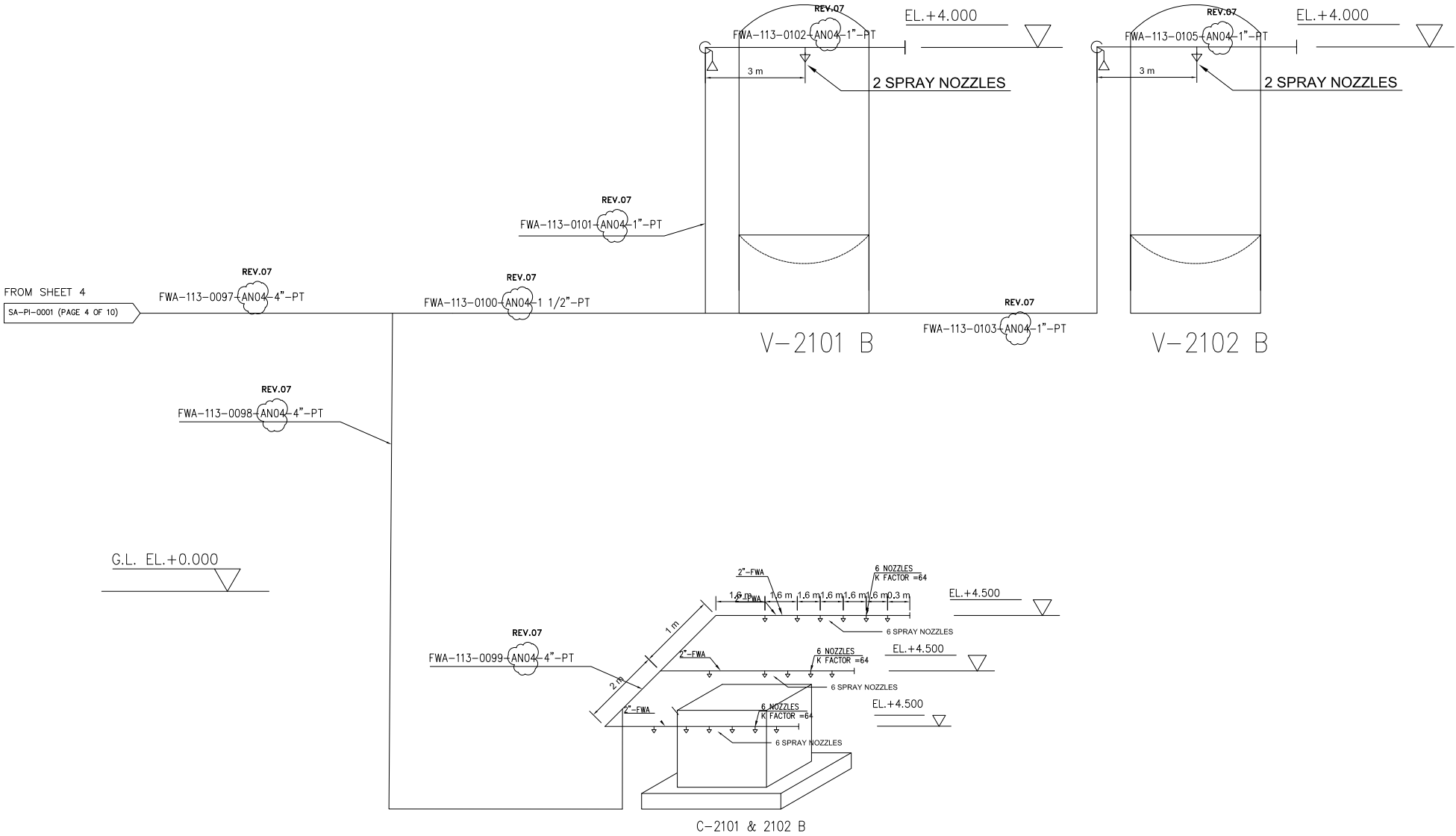
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PROJECT NAME:					BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION										THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C. / FIELDS								
PROJECT NO.:					971020																		
EPC CONTRACTOR:					EPD/EPC CONTRACTOR (GC):					BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION													
															PETROIRAN DEVELOPMENT COMPANY								
HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES					PEDCO																		
DRAWING TITLE:										NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED													
P&ID - Fire Water Network										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			05 OF 8		D07	053-073-9184	F	2	A	708995			05 OF 8	D07							

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

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.

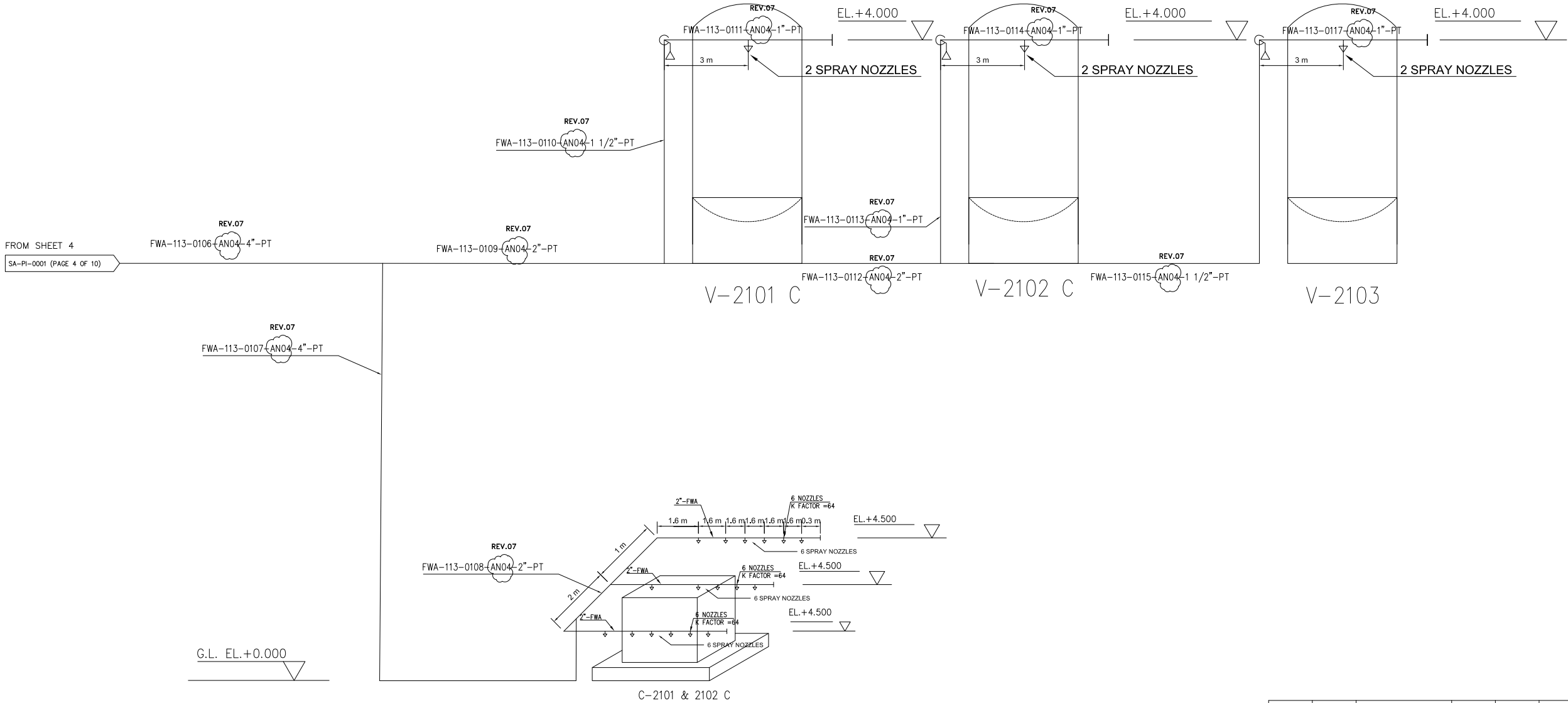


D07	JAN.2025	APC	R.YAZDANI	M.PAKHARIAN	S.PARAMARZPOUR	** **
D06	OCT.2024	APC	R.YAZDANI	M.PAKHARIAN	M.SADREGHAN	** **
D05	FEB.2024	APC	M.ABDUAMALI	M.PAKHARIAN	S.PARAMARZPOUR	** **
D04	APR.2023	APC	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	** **
D03	JAN.2023	IFA	A.H.SABER	M.PAKHARIAN	M.MEHRSHAD	** **
D02	OCT.2022	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	** **

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	D07

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	D07

NOZZLE DETAILS				
PROTECTED EQUIPMENT	K FACTOR LPM/√ BAR	QTY	PRESSURE ON NOZZLES (BARG)	SPRAY ANGLE (DEGREE)
C-2101 & 2102 C	64.00	18	4	160
V-2101 C	35.00	2	4	160
V-2102 C	26.00	2	4	160
V-2103	26	2	4	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-0009

D07	JAN.2025	APC	R.YAZDANI	M.PAKHARIAN	S.PARAMARZPOUR	** **
D06	OCT.2024	APC	R.YAZDANI	M.PAKHARIAN	M.SABERHAN	** **
D05	FEB.2024	APC	M.ABDOLAMALI	M.PAKHARIAN	S.PARAMARZPOUR	** **
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D01	MAY.2022	IFA	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		 PEDCO		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		08 OF 8	D07

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