

	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض و ابنیه تحت الارض خرید بسته نم زدای گاز ایستگاه تقویت فشار گاز بینک (قرارداد BK-HD-GCS-CO-0010_08)								
	VENDOR PRINT INDEX & SCHEDULE (VPIS)								
شماره پیمان:	نسخه	سریال	نوع مدرک	رشته	تجهیزات	صادر کننده	بسته کاری	پروژه	شماره صفحه: ۱ از ۱۰
۰۵۳ - ۰۷۳ - ۹۱۸۴	V02	0001	LI	PM	120	MF	GCS	BK	

طرح نگهداشت و افزایش تولید ۲۷ مخزن

VENDOR PRINT INDEX & SCHEDULE (VPIS)

نگهداشت و افزایش تولید میدان نفتی بینک

V02	SEP.2024	IFI	MFS	M.Fakharian	M.SADEGHIAN	
V01	MAR.2024	IFA	MFS	M.Fakharian	S.Faramarzpour	
V00	FEB.2024	IFA	MFS	M.Fakharian	S.Faramarzpour	
Rev.	Date	Purpose of Issue / Status	Prepared by:	Checked by:	Approved by:	CLIENT Approval

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IFA: Issued For Approval

IFI: Issued For Information

AFC: Approved For Construction

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REVISION RECORD SHEET											
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9184 – 073 - 053		BK	GCS	MF	120	PM	LI	0001	V02		
S/R No.	Doc. No.	Document Description							V02	Status	Remarks
1	General/ Management										
1.1	List										
1.1.1	BK-GCS-MF-120-PM-LI-0001	VENDOR PRINT INDEX & SCHEDULE (VPIS)								IFI	MOD
1.1.2	BK-GCS-MF-120-PM-WB-0001	WORK BEAKDOWN STRUCTURE							IFA/AFC	MOD	
1.1.3	BK-GCS-MF-120-GE-SH-0001	TIME SCHEDULE							IFI		
1.1.4	BK-GCS-MF-120-GE-LI-0002	FINAL VENDOR DATA BOOK INDEX							IFI	MOD	
1.1.5	BK-GCS-MF-120-GE-VL-0001	SUB VENDOR LIST							IFI		
1.1.6	BK-GCS-MF-120-GE-LI-0002	SPARE PART LIST							IFI		
1.2	Reports										
1.2.1	BK-GCS-MF-120-GE-DO-0001	FINAL VENDOR DATA BOOK							IFA/AFC		
2	QA/QC										
2.1	Procedure/Plan										
2.1.1	BK-GCS-MF-120-QC-PR-0001	HARDNESS TESTING PROCEDURE (TOWER, COLUMNS, REBOILER, DRUMS, FILTERS & EXCHANGERS)							IFA/AFC		
2.1.2	BK-GCS-MF-120-QC-PR-0002	INSPECTION AND TEST PLAN (ITP)							IFA/AFC		
2.1.3	BK-GCS-MF-120-QC-PR-0003	QUALITY CONTROL PLAN (QCP)							IFA/AFC		
2.1.4	BK-GCS-MF-120-QC-PR-0004	SURFACE PREPARATION AND INTERNAL/EXTERNAL PAINTING PROCEDURE FOR TOWER, COLUMNS, REBOILER, DRUMS, FILTERS & EXCHANGERS							IFA/AFC		
2.1.5	BK-GCS-MF-120-QC-PR-0005	PICKLING AND PASSIVATION PROCEDURE							IFA/AFC		
2.1.6	BK-GCS-MF-120-QC-PR-0006	POSTWELD HEAT TREATMENT PROCEDURE (TOWER, COLUMNS, REBOILER, DRUMS, FILTERS & EXCHANGERS)							IFA/AFC		
2.1.7	BK-GCS-MF-120-QC-PR-0007	WPS & PQR (TOWER, COLUMNS, REBOILER, DRUMS, FILTERS & EXCHANGERS)							IFA/AFC		
2.1.8	BK-GCS-MF-120-QC-PR-0008	PMI PROCEDURE (TOWER, COLUMNS, REBOILER, DRUMS, FILTERS & EXCHANGERS)							IFA/AFC		
2.1.9	BK-GCS-MF-120-QC-PR-0009	NDT PROCEDURE (TOWER, COLUMNS, REBOILER, DRUMS, FILTERS & EXCHANGERS)							IFA/AFC		
2.1.10	BK-GCS-MF-120-QC-PR-0010	HYDROSTATIC TESTING PROCEDURE (TOWER, COLUMNS, REBOILER, DRUMS & FILTERS)							IFA/AFC		
2.1.11	BK-GCS-MF-120-QC-PR-0011	HYDROSTATIC TEST PROCEDURE FOR HEAT EXCHANGERS							IFA/AFC		
2.1.12	BK-GCS-MF-120-QC-PR-0012	WELD REPAIR PROCEDURE							IFA/AFC		
2.1.13	BK-GCS-MF-120-QC-PR-0013	PACKING,MARKING,SHIPPING PROCEDURE							IFA/AFC		
2.1.14	BK-GCS-MF-120-QC-PR-0014	N2 PURGING PROCEDURE							IFA/AFC		
2.1.15	BK-GCS-MF-120-QC-PR-0015	SAT PROCEDURE FOR GAS DEHYDRATION PACKAGE							IFA/AFC		

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9184 – 073 - 053		BK	GCS	MF	120	PM	LI	0001	V02		
S/R No.	Doc. No.	Document Description							V02	Status	Remarks
2.2	Manual										
2.2.1	BK-GCS-MF-120-QC-ML-0001	OPERATION, COMMISSIONING & MAINTENANCE MANUAL FOR GAS DEHYDRATION PACKAGE							IFI		
3	Process										
3.1	Basis/Criteria										
3.1.1	BK-GCS-MF-120-PR-DB-0001	BASIS OF PROCESS DESIGN FOR GAS DEHYDRATION PACKAGE							IFA/AFC		
3.2	Philosophy										
3.2.1	BK-GCS-MF-120-PR-PH-0001	CONTROL PHILOSOPHY							IFA/AFC		
3.3	Calculation										
3.3.1	BK-GCS-MF-120-PR-CN-0001	PRESSURE SAFETY VALVE CALCULATION SHEETS							IFI	MOD	
3.4	Datasheet										
3.4.1	BK-GCS-MF-120-PR-DS-0001	PROCESS DATA SHEET FOR DEHYDRATION GLYCOL CONTACTOR							IFI	MOD	
3.4.2	BK-GCS-MF-120-PR-DS-0002	PROCESS DATA SHEET FOR GLYCOL FLASH DRUM							IFI	MOD	
3.4.3	BK-GCS-MF-120-PR-DS-0003	PROCESS DATA SHEET FOR GLYCOL PARTICLE FILTER							IFI	MOD	
3.4.4	BK-GCS-MF-120-PR-DS-0004	PROCESS DATA SHEET FOR GLYCOL CARBON FILTER							IFI	MOD	
3.4.5	BK-GCS-MF-120-PR-DS-0014	PROCESS DATA SHEET FOR LEAN GLYCOL FILTER							IFI	ADD	
3.4.6	BK-GCS-MF-120-PR-DS-0005	PROCESS DATA SHEET FOR GLYCOL STILL COLUMN							IFI	MOD	
3.4.7	BK-GCS-MF-120-PR-DS-0006	PROCESS DATA SHEET FOR GLYCOL CIRCULATION PUMPS							IFI	MOD	
3.4.8	BK-GCS-MF-120-PR-DS-0007	PROCESS DATA SHEET FOR LEAN GLYCOL DRY GAS HEAT EXCHSNGER							IFI	MOD	
3.4.9	BK-GCS-MF-120-PR-DS-0008	PROCESS DATA SHEET FOR RICH / LEAN GLYCOL HEAT EXCHANGER							IFI	MOD	
3.4.10	BK-GCS-MF-120-PR-DS-0009	PROCESS DATA SHEET FOR GLYCOL REFLUX CONDENSER							IFI	MOD	
3.4.11	BK-GCS-MF-120-PR-DS-0010	PROCESS DATA SHEET FOR GLYCOL REBOILER							IFI	MOD	
3.4.12	BK-GCS-MF-120-PR-DS-0011	PROCESS DATA SHEET FOR ANTI-FOAM PACKAGE							IFA	MOD	
3.4.13	BK-GCS-MF-120-PR-DS-0012	PROCESS DATA SHEET FOR PH-CONTROLLER PACKAGE							IFA	MOD	
3.4.14	BK-GCS-MF-120-PR-DS-0013	PROCESS DATA SHEET FOR GLYCOL SURGE DRUM							IFI	ADD	
3.4.15	BK-GCS-MF-120-PR-DS-0013	PROCESS DATA SHEET FOR PRESSURE SAFETY VALVES							IFA/AFC	DEL	
3.5	Drawing/Diagram										
3.5.1	BK-GCS-MF-120-PR-PF-0001	PROCESS FLOW DIAGRAM FOR GAS DEHYDRATION PACKAGE							IFA/AFC		
3.5.2	BK-GCS-MF-120-PR-PF-0002	HEAT AND MASS BALANCE FOR GAS DEHYDRATION PACKAGE							IFA/AFC		
3.5.3	BK-GCS-MF-120-PR-PI-0003	PIPING & INSTRUMENTATION DIAGRAM FOR GAS DEHYDRATION PACKAGE							IFA/AFC		
3.5.4	BK-GCS-MF-120-PR-CE-0001	CAUSE AND EFFECT DIAGRAM FOR GAS DEHYDRATION PACKAGE							IFA/AFC		

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3.6	List										
3.6.1	BK-GCS-MF-120-PR-LI-0001	EQUIPMENT LIST								IFI	
3.6.2	BK-GCS-MF-120-PR-LI-0002	ALARM & TRIP SET POINT LIST								IFI	
3.6.3	BK-GCS-MF-120-PR-LI-0003	UTILITY CONSUMPTION LIST								IFI	
3.6.4	BK-GCS-MF-120-PR-LI-0004	CHEMICAL CONSUMPTION LIST							IFI		
3.7	Reports										
3.7.1	BK-GCS-MF-120-PR-RE-0001	HAZOP STUDY REPORT							IFI		
3.7.2	BK-GCS-MF-120-PR-RE-0002	SIL STUDY REPORT							IFI		
4	Mechanical										
4.1	Fixed Equipment										
4.1.1	Glycol Contactor (C-100)										
4.1.1.1	BK-GCS-MF-120-ME-CN-0001	MECHANICAL CALCULATION BOOK FOR GLYCOL CONTACTOR (C-100)							IFI		
4.1.1.2	BK-GCS-MF-120-ME-DW-0001	GENERAL ARRANGEMENT FOR GLYCOL CONTACTOR (C-100)							IFA/AFC		
4.1.1.3	BK-GCS-MF-120-ME-DW-0002	DETAILS DRAWING FOR GLYCOL CONTACTOR (C-100)							IFI		
4.1.1.4	BK-GCS-MF-120-ME-DW-0003	NAME PLATE DETAIL DRAWING FOR GLYCOL CONTACTOR (C-100)							IFA/AFC		
4.1.1.5	BK-GCS-MF-120-ME-DW-0004	TEMPLATE DRAWING FOR GLYCOL CONTACTOR (C-100)							IFI		
4.1.1.6	BK-GCS-MF-120-ME-MP-0001	WELDING & NDT MAP FOR GLYCOL CONTACTOR (C-100)							IFI		
4.1.2	Still Column (C-200)										
4.1.2.1	BK-GCS-MF-120-ME-CN-0002	MECHANICAL CALCULATION BOOK FOR STILL COLUMN (C-200)							IFI		
4.1.2.2	BK-GCS-MF-120-ME-DW-0005	GENERAL ARRANGEMENT FOR STILL COLUMN (C-200)							IFA/AFC		
4.1.2.3	BK-GCS-MF-120-ME-DW-0006	DETAILS DRAWING FOR STILL COLUMN (C-200)							IFI		
4.1.2.4	BK-GCS-MF-120-ME-DW-0007	NAME PLATE DETAIL DRAWING FOR STILL COLUMN (C-200)							IFA/AFC		
4.1.2.5	BK-GCS-MF-120-ME-MP-0002	WELDING & NDT MAP FOR STILL COLUMN (C-200)							IFI		
4.1.3	Glycol Flash Drum (V-120)										
4.1.3.1	BK-GCS-MF-120-ME-CN-0003	MECHANICAL CALCULATION BOOK FOR GLYCOL FLASH DRUM (V-120)							IFI		
4.1.3.2	BK-GCS-MF-120-ME-DW-0008	GENERAL ARRANGEMENT FOR GLYCOL FLASH DRUM (V-120)							IFA/AFC		
4.1.3.3	BK-GCS-MF-120-ME-DW-0009	DETAILS DRAWING FOR GLYCOL FLASH DRUM (V-120)							IFI		
4.1.3.4	BK-GCS-MF-120-ME-DW-0010	NAME PLATE DETAIL DRAWING FOR GLYCOL FLASH DRUM (V-120)							IFA/AFC		
4.1.3.5	BK-GCS-MF-120-ME-MP-0003	WELDING & NDT MAP FOR GLYCOL FLASH DRUM (V-120)							IFI		
4.1.4	Glycol Surge Drum (V-130)										

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4.1.4.1	BK-GCS-MF-120-ME-CN-0011	MECHANICAL CALCULATION BOOK FOR GLYCOL SURGE DRUM (V-130)								IFI	ADD
4.1.4.2	BK-GCS-MF-120-ME-DW-0036	GENERAL ARRANGEMENT FOR GLYCOL SURGE DRUM (V-130)								IFA/AFC	ADD
4.1.4.3	BK-GCS-MF-120-ME-DW-0037	DETAILS DRAWING FOR GLYCOL SURGE DRUM (V-130)								IFI	ADD
4.1.4.4	BK-GCS-MF-120-ME-DW-0038	NAME PLATE DETAIL DRAWING FOR GLYCOL SURGE DRUM (V-130)								IFA/AFC	ADD
4.1.4.5	BK-GCS-MF-120-ME-MP-0011	WELDING & NDT MAP FOR GLYCOL SURGE DRUM (V-130)								IFI	ADD
4.1.5	Glycol Particle Filter (F-100 A/B)										
4.1.5.1	BK-GCS-MF-120-ME-CN-0004	MECHANICAL CALCULATION BOOK FOR GLYCOL PARTICLE FILTER (F-100 A/B)							IFI	MOD	
4.1.5.2	BK-GCS-MF-120-ME-DW-0011	GENERAL ARRANGEMENT FOR GLYCOL PARTICLE FILTER (F-100 A/B)							IFA/AFC	MOD	
4.1.5.3	BK-GCS-MF-120-ME-DW-0012	DETAILS DRAWING FOR GLYCOL PARTICLE FILTER (F-100 A/B)							IFI	MOD	
4.1.5.4	BK-GCS-MF-120-ME-DW-0013	NAME PLATE DETAIL DRAWING FOR GLYCOL PARTICLE FILTER (F-100 A/B)							IFA/AFC	MOD	
4.1.5.5	BK-GCS-MF-120-ME-MP-0004	WELDING & NDT MAP FOR GLYCOL PARTICLE FILTER (F-100 A/B)							IFI	MOD	
4.1.6	Glycol Carbon Filter (F-200)										
4.1.6.1	BK-GCS-MF-120-ME-CN-0005	MECHANICAL CALCULATION BOOK FOR GLYCOL CARBON FILTER (F-200)							IFI	MOD	
4.1.6.2	BK-GCS-MF-120-ME-DW-0014	GENERAL ARRANGEMENT FOR GLYCOL CARBON FILTER (F-200)							IFA/AFC	MOD	
4.1.6.3	BK-GCS-MF-120-ME-DW-0015	DETAILS DRAWING FOR GLYCOL CARBON FILTER (F-200)							IFI	MOD	
4.1.6.4	BK-GCS-MF-120-ME-DW-0016	NAME PLATE DETAIL DRAWING FOR GLYCOL CARBON FILTER (F-200)							IFA/AFC	MOD	
4.1.6.5	BK-GCS-MF-120-ME-MP-0005	WELDING & NDT MAP FOR GLYCOL CARBON FILTER (F-200)							IFI	MOD	
	Lean Glycol Filter (F-300)										
4.1.7.1	BK-GCS-MF-120-ME-CN-0010	MECHANICAL CALCULATION BOOK FOR LEAN GLYCOL FILTER (F-300)							IFI	ADD	
4.1.7.2	BK-GCS-MF-120-ME-DW-0033	GENERAL ARRANGEMENT FOR LEAN GLYCOL FILTER (F-300)							IFA/AFC	ADD	
4.1.7.3	BK-GCS-MF-120-ME-DW-0034	DETAILS DRAWING FOR LEAN GLYCOL FILTER (F-300)							IFI	ADD	
4.1.7.4	BK-GCS-MF-120-ME-DW-0035	NAME PLATE DETAIL DRAWING FOR LEAN GLYCOL FILTER (F-300)							IFA/AFC	ADD	
4.1.7.5	BK-GCS-MF-120-ME-MP-0010	WELDING & NDT MAP FOR LEAN GLYCOL FILTER (F-300)							IFI	ADD	
4.1.8	Glycol Reflux Condenser (E-100)										
4.1.8.1	BK-GCS-MF-120-ME-CN-0006	THERMAL/MECHANICAL CALCULATION BOOK FOR GLYCOL REFLUX CONDENSER (E-100)							IFI		
4.1.8.2	BK-GCS-MF-120-ME-DW-0017	GENERAL ARRANGEMENT FOR GLYCOL REFLUX CONDENSER (E-100)							IFA/AFC		
4.1.8.3	BK-GCS-MF-120-ME-DW-0018	DETAILS DRAWING FOR GLYCOL REFLUX CONDENSER (E-100)							IFI		
4.1.8.4	BK-GCS-MF-120-ME-DW-0019	NAME PLATE DETAIL DRAWING FOR GLYCOL REFLUX CONDENSER (E-100)							IFA/AFC		
4.1.8.5	BK-GCS-MF-120-ME-MP-0006	WELDING & NDT MAP FOR GLYCOL REFLUX CONDENSER (E-100)							IFI		

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S/R No.	Doc. No.	Document Description							V02	Status	Remarks
4.1.9	Rich-Lean Glycol Heat Exchanger (E-200)										
4.1.9.1	BK-GCS-MF-120-ME-CN-0007	THERMAL/MECHANICAL CALCULATION BOOK FOR RICH-LEAN GLYCOL H.E. (E-200)							IFI		
4.1.9.2	BK-GCS-MF-120-ME-DW-0020	GENERAL ARRANGEMENT FOR RICH-LEAN GLYCOL H.E. (E-200)							IFA/AFC		
4.1.9.3	BK-GCS-MF-120-ME-DW-0021	DETAILS DRAWING FOR RICH-LEAN GLYCOL H.E. (E-200)							IFI		
4.1.9.4	BK-GCS-MF-120-ME-DW-0022	NAME PLATE DETAIL DRAWING FOR RICH-LEAN GLYCOL H.E. (E-200)							IFA/AFC		
4.1.9.5	BK-GCS-MF-120-ME-MP-0007	WELDING & NDT MAP FOR RICH-LEAN GLYCOL H.E. (E-200)							IFI		
4.1.10	Lean Glycol-Dry Gas Heat Exchanger (E-300)										
4.1.10.1	BK-GCS-MF-120-ME-CN-0008	THERMAL/MECHANICAL CALCULATION BOOK FOR LEAN GLYCOL GAS H.E. (E-300)							IFI		
4.1.10.2	BK-GCS-MF-120-ME-DW-0023	GENERAL ARRANGEMENT FOR LEAN GLYCOL GAS H.E. (E-300)							IFA/AFC		
4.1.10.3	BK-GCS-MF-120-ME-DW-0024	DETAILS DRAWING FOR LEAN GLYCOL GAS H.E. (E-300)							IFI		
4.1.10.4	BK-GCS-MF-120-ME-DW-0025	NAME PLATE DETAIL DRAWING FOR LEAN GLYCOL GAS H.E. (E-300)							IFA/AFC		
4.1.10.5	BK-GCS-MF-120-ME-MP-0008	WELDING & NDT MAP FOR LEAN GLYCOL GAS H.E. (E-300)							IFI		
4.1.11	Reboiler (R-100)										
4.1.11.1	BK-GCS-MF-120-ME-CN-0009	THERMAL/MECHANICAL CALCULATION BOOK FOR REBOILER (R-100)							IFI		
4.1.11.2	BK-GCS-MF-120-ME-DW-0026	GENERAL ARRANGEMENT FOR REBOILER (R-100)							IFA/AFC		
4.1.11.3	BK-GCS-MF-120-ME-DW-0027	DETAILS DRAWING FOR REBOILER (R-100)							IFI		
4.1.11.4	BK-GCS-MF-120-ME-DW-0028	NAME PLATE DETAIL DRAWING FOR REBOILER (R-100)							IFA/AFC		
4.1.11.5	BK-GCS-MF-120-ME-MP-0009	WELDING & NDT MAP FOR REBOILER (R-100)							IFI		
4.1.12	List										
4.1.12.1	BK-GCS-MF-120-ME-LI-0001	LUBRICATION LIST							IFI	MOD	
4.2	Machinery/Package										
4.2.1	Pumps										
4.2.1.1	BK-GCS-MF-120-ME-DW-0029	GENERAL ASSEMBLY DRAWING FOR GLYCOL CIRCULATION PUMPS							IFA/AFC		
4.2.1.2	BK-GCS-MF-120-ME-DW-0030	PUMPS CROSS SECTIONAL DRAWING FOR GLYCOL CIRCULATION PUMPS							IFI		
4.2.1.3	BK-GCS-MF-120-ME-DW-0031	NAME PLATE FOR GLYCOL CIRCULATION PUMPS							IFA/AFC		
4.2.2	Burner										
4.2.2.1	BK-GCS-MF-120-ME-DS-0001	BURNER DATA SHEET FOR GLYCOL REBOILER							IFI		
4.2.2.2	BK-GCS-MF-120-ME-DW-0032	BURNER DRAWING FOR GLYCOL REBOILER							IFI		

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		VENDOR PRINT INDEX & SCHEDULE (VPIS)									
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9184 – 073 - 053		BK	GCS	MF	120	PM	LI	0001	V02		
S/R No.	Doc. No.	Document Description							V02	Status	Remarks
5	Piping										
5.1	Drawing										
5.1.1	BK-GCS-MF-120-PI-DW-0001	PACKAGE PLOT PLAN DRAWING								IFA/AFC	
5.1.2	BK-GCS-MF-120-PI-DW-0002	PIPING GENERAL ARRANGEMENT DRAWING								IFA/AFC	
5.1.3	BK-GCS-MF-120-PI-DW-0003	PIPING ISOMETRIC DRAWING FOR GAS DEHYDRATION PACKAGE							IFI		
5.2	List										
5.2.1	BK-GCS-MF-120-PI-LI-0001	LINE LIST							IFI		
5.2.2	BK-GCS-MF-120-PI-LI-0002	TIE-IN-LIST							IFA/AFC		
5.3	Reports										
5.3.1	BK-GCS-MF-120-PI-RT-0001	PDMS MODEL REVIEW REPORT (60%)							IFA/AFC		
5.3.2	BK-GCS-MF-120-PI-RT-0002	PDMS MODEL REVIEW REPORT (90%)							IFA/AFC		
5.3.3	BK-GCS-MF-120-PI-RT-0003	STRESS ANALYSIS REPORT							IFI		
6	Instrument										
6.1	Calculation										
6.1.1	BK-GCS-MF-120-IN-CN-0001	CONTROL VALVE CALCULATION SHEETS							IFA/AFC		
6.1.2	BK-GCS-MF-120-IN-CN-0002	FLOW ELEMENT CALCULATION SHEETS							IFA/AFC		
6.2	Drawing										
6.2.1	BK-GCS-MF-120-IN-DW-0001	CONTROL SYSTEM CONFIGURATION BLOCK DIAGRAM							IFA/AFC		
6.2.2	BK-GCS-MF-120-IN-DW-0002	ESD/BMS SYSTEM CONFIGURATION BLOCK DIAGRAM							IFA/AFC		
6.2.3	BK-GCS-MF-120-IN-DW-0003	INSTRUMENT JUNCTION BOX LAYOUT AND WIRING TERMINATION DIAGRAM							IFI	MOD	
6.2.4	BK-GCS-MF-120-IN-DW-0004	BURNER OPERATION PANEL LAYOUT & WIRING DIAGRAM WITH CONNECTIONS & DIMENSIONS							IFA/AFC		
6.2.5	BK-GCS-MF-120-IN-DW-0005	HOOK UP DRAWING							IFI	MOD	
6.2.6	BK-GCS-MF-120-IN-DW-0006	INSTRUMENT LOCATION LAYOUT							IFI	MOD	
6.2.7	BK-GCS-MF-120-IN-DW-0007	CONTROL PANEL LAYOUT AND ARRANGEMENT							IFA/AFC		
6.2.8	BK-GCS-MF-120-IN-DW-0008	ESD/BMS PANEL LAYOUT AND ARRANGEMENT							IFA/AFC		
6.2.9	BK-GCS-MF-120-IN-DW-0009	CONTROL SYSTEM WIRING DIAGRAM AND CONNECTIONS							IFA/AFC		
6.2.10	BK-GCS-MF-120-IN-DW-0010	ESD/BMS SYSTEM WIRING DIAGRAM AND CONNECTIONS							IFA/AFC		
6.2.11	BK-GCS-MF-120-IN-DW-0011	CONTROL SYSTEM LOGIC DIAGRAM							IFA/AFC		
6.2.12	BK-GCS-MF-120-IN-DW-0012	ESD/BMS SYSTEM LOGIC DIAGRAM							IFA/AFC		

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9184 – 073 - 053		BK	GCS	MF	120	PM	LI	0001	V02		
S/R No.	Doc. No.	Document Description							V02	Status	Remarks
6.2.13	BK-GCS-MF-120-IN-DW-0013	PRINT OUT OF HMI FOR BMS AND UCP								IFA/AFC	
6.2.14	BK-GCS-MF-120-IN-DW-0014	CONTROL SYSTEM CABINETS AND CONSOLES LAYOUT DRAWING								IFA/AFC	
6.2.15	BK-GCS-MF-120-IN-DW-0015	INSTRUMENT EARTH DISTRIBUTION DIAGRAM								IFI	MOD
6.2.16	BK-GCS-MF-120-IN-DW-0016	INSTRUMENT CABLE ROUTE/ MAIN TUBING LAYOUT DRAWING								IFI	MOD
6.2.17	BK-GCS-MF-120-IN-DW-0017	ESD LEVEL HIERARCHY								IFI	MOD
6.3	Datasheet										
6.3.1	BK-GCS-MF-120-IN-DS-0001	INSTRUMENT D.S. FOR CONTROL VALVES							IFA/AFC		
6.3.2	BK-GCS-MF-120-IN-DS-0002	INSTRUMENT D.S. FOR ON/OFF VALVES							IFA/AFC		
6.3.3	BK-GCS-MF-120-IN-DS-0003	INSTRUMENT D.S. FOR H2O ANALYZER							IFA/AFC		
6.3.4	BK-GCS-MF-120-IN-DS-0004	INSTRUMENT D.S. FOR TEMPERATURE GAUGE							IFA/AFC		
6.3.5	BK-GCS-MF-120-IN-DS-0005	INSTRUMENT D.S. FOR TEMPERATURE TRANSMITTERS							IFA/AFC		
6.3.6	BK-GCS-MF-120-IN-DS-0006	INSTRUMENT D.S. FOR PRESSURE GAUGES AND DIFF. PRESSURE GAUGES							IFA/AFC		
6.3.7	BK-GCS-MF-120-IN-DS-0007	INSTRUMENT D.S. FOR PRESSURE TRANSMITTERS AND DIFFE. PRESSURE TRANSMITTERS							IFA/AFC		
6.3.8	BK-GCS-MF-120-IN-DS-0008	INSTRUMENT D.S. FOR PRESSURE REGULATOR VALVES							IFA/AFC		
6.3.9	BK-GCS-MF-120-IN-DS-0009	INSTRUMENT D.S. FOR FLOW ELEMENTS							IFA/AFC		
6.3.10	BK-GCS-MF-120-IN-DS-0010	INSTRUMENT D.S. FOR LEVEL GAUGES							IFA/AFC		
6.3.11	BK-GCS-MF-120-IN-DS-0011	INSTRUMENT D.S. FOR LEVEL TRANSMITTERS							IFA/AFC		
6.3.12	BK-GCS-MF-120-IN-DS-0012	FLAME SCANNER DATA SHEET							IFA/AFC		
6.3.13	BK-GCS-MF-120-IN-DS-0013	INSTRUMENT D.S. FOR SAFETY VALVES							IFA/AFC	ADD	
6.4	Procedure/Plan										
6.4.1	BK-GCS-MF-120-IN-PR-0001	FAT PROCEDURE FOR CONTROL SYSTEM							IFA/AFC		
6.4.2	BK-GCS-MF-120-IN-PR-0002	FAT PROCEDURE FOR ESD/BMS SYSTEM							IFA/AFC		
6.4.3	BK-GCS-MF-120-IN-PR-0003	SAT PROCEDURE FOR CONTROL SYSTEM							IFA/AFC		
6.4.4	BK-GCS-MF-120-IN-PR-0004	SAT PROCEDURE FOR ESD/BMS SYSTEM							IFA/AFC		
6.5	List										
6.5.1	BK-GCS-MF-120-IN-LI-0001	INSTRUMENT LIST							IFI		
6.5.2	BK-GCS-MF-120-IN-LI-0002	INPUT/OUTPUT SIGNAL LIST							IFI		
6.5.3	BK-GCS-MF-120-IN-LI-0003	INSTRUMENT CABLE LIST							IFI		

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		VENDOR PRINT INDEX & SCHEDULE (VPIS)									
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9184 – 073 – 053		BK	GCS	MF	120	PM	LI	0001	V02		
S/R No.	Doc. No.	Document Description							V02	Status	Remarks
6.5.4	BK-GCS-MF-120-IN-LI-0004	UCP AND BMS SYSTEM POWER CONSUMPTION LIST								IFI	
6.5.5	BK-GCS-MF-120-IN-LI-0005	MODBUS IO LIST (MODBUS MAPPING LIST)								IFI	
7	Electrical										
7.1	Drawing										
7.1.1	BK-GCS-MF-120-EL-DW-0001	ELECTRICAL SINGLE LINE DIAGRAM							IFA/AFC		
7.1.2	BK-GCS-MF-120-EL-DW-0002	EARTHING DETAIL LAYOUT							IFA/AFC		
7.1.3	BK-GCS-MF-120-EL-DW-0003	ELECTRICAL CABLE ROUTE							IFI		
7.1.4	BK-GCS-MF-120-EL-DW-0004	ELECTRICAL PANEL LAYOUT AND WIRING DIAGRAM							IFA/AFC		
7.1.5	BK-GCS-MF-120-EL-DW-0005	LOCAL CONTROL STATION (LCS) PANEL LAYOUT AND WIRING DIAGRAM							IFA/AFC		
7.1.6	BK-GCS-MF-120-EL-DW-0006	ELECTRICAL EQUIPMENT LAYOUT							IFA/AFC		
7.2	List										
7.2.1	BK-GCS-MF-120-EL-LI-0001	POWER AND CONTROL CABLE LIST							IFI		
7.2.2	BK-GCS-MF-120-EL-LI-0002	ELECTRICAL LOAD LIST							IFI		
7.2.3	BK-GCS-MF-120-EL-LI-0003	ELECTRICAL SIGNAL LIST							IFI		
7.3	Datasheet										
7.3.1	BK-GCS-MF-120-EL-DS-0001	ELECTRICAL MOTORS DATA SHEETS, CURVES, DRAWINGS AND CERTIFICATES							IFA/AFC	MOD	
7.3.2	BK-GCS-MF-120-EL-DS-0002	CABLE DATASHEETS							IFA/AFC		
7.3.3	BK-GCS-MF-120-EL-DS-0003	ELECTRICAL PANEL DATASHEETS							IFA/AFC		
7.3.4	BK-GCS-MF-120-EL-DS-0004	LOCAL CONTROL STATION (LCS) DATASHEETS							IFA/AFC		
7.3.5	BK-GCS-MF-120-EL-DS-0005	HAZARDOUS AREA CLASSIFICATION AND IP CERTIFICATE FOR MOTORS, LCS, LCP, LIGHTINGS, JB, HEATERS, ETC							IFA/AFC	ADD	
7.3.6	BK-GCS-MF-120-EL-DS-0006	ELECTRICAL MOTORS FAT REPORTS							IFA/AFC	ADD	
8	Structure										
8.1	Calculation										
8.1.1	BK-GCS-MF-120-ST-CN-0001	STRUCTURAL DESIGN CALCULATION FOR GAS DEHYDRATION PACKAGE							IFI	MOD	
8.1.2	BK-GCS-MF-120-ST-CN-0002	FOUNDATION LOADING DATA FOR GAS DEHYDRATION PACKAGE							IFI	MOD	
8.2	Drawing										
8.2.1	BK-GCS-MF-120-ST-DW-0001	STEEL STRUCTURAL DETAIL DRAWING FOR GAS DEHYDRATION PACKAGE							IFI	MOD	