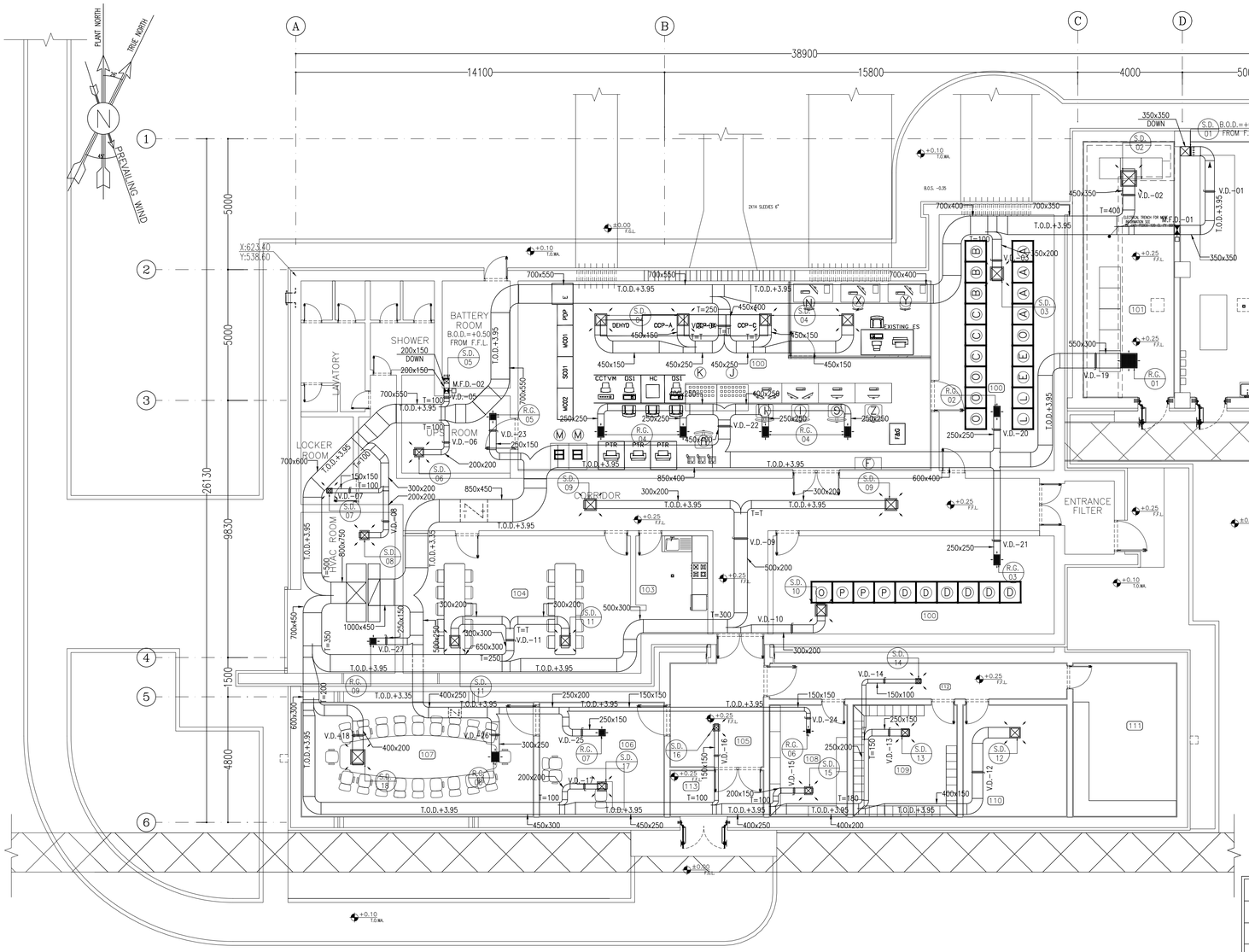
AIR VOLUME DAMPER SCHEDULE

TAG NUMBER	LOCATION	TYPE	SIZE L*W (MM)		QTY.	FLOW (L/S)-EACH
V.D.-01	BATTERY ROOM (EXTENSION)	MANUAL, OPPOSED BLADE VOLUME DAMPER	350	350	1	520
V.D.-02	UPS (EXTENSION)	MANUAL, OPPOSED BLADE VOLUME DAMPER	450	350	1	740
V.D.-03	CONTROL ROOM (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	350	200	1	245
V.D.-04	CONTROL ROOM (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	450	400	1	825
V.D.-05	UPS (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	200	150	1	90
V.D.-06	UPS (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	200	200	1	125
V.D.-07	LOCKER ROOM (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	150	150	1	45
V.D.-08	HVAC ROOM	MANUAL, OPPOSED BLADE VOLUME DAMPER	200	200	1	135
V.D.-09	CORRIDOR (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	500	200	1	385
V.D.-10	CONTROL ROOM (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	300	200	1	215
V.D.-11	DINING ROOM	MANUAL, OPPOSED BLADE VOLUME DAMPER	300	300	1	330
V.D.-12	PRAYER ROOM	MANUAL, OPPOSED BLADE VOLUME DAMPER	400	150	1	175
V.D.-13	LOCKER (EXTENSION)	MANUAL, OPPOSED BLADE VOLUME DAMPER	250	150	1	100
V.D.-14	CORRIDOR (EXTENSION)	MANUAL, OPPOSED BLADE VOLUME DAMPER	150	100	1	35
V.D.-15	ARCHIVE (EXTENSION)	MANUAL, OPPOSED BLADE VOLUME DAMPER	200	150	1	75
V.D.-16	ENTRANCE (EXTENSION)	MANUAL, OPPOSED BLADE VOLUME DAMPER	150	150	1	60
V.D.-17	MANAGEMENT ROOM	MANUAL, OPPOSED BLADE VOLUME DAMPER	200	200	1	115
V.D.-18	CONFERENCE ROOM	MANUAL, OPPOSED BLADE VOLUME DAMPER	400	200	1	305
V.D.-19	UPS (EXTENSION)	MANUAL, OPPOSED BLADE VOLUME DAMPER	550	300	1	740
V.D.-20	CONTROL ROOM (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	250	250	1	225
V.D.-21	CONTROL ROOM (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	250	250	1	195
V.D.-22	CONTROL ROOM (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	450	400	1	780
V.D.-23	UPS (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	250	150	1	115
V.D.-24	ARCHIVE (EXTENSION)	MANUAL, OPPOSED BLADE VOLUME DAMPER	150	150	1	40
V.D.-25	MANAGEMENT ROOM	MANUAL, OPPOSED BLADE VOLUME DAMPER	250	150	1	90
V.D.-26	CONFERENCE ROOM	MANUAL, OPPOSED BLADE VOLUME DAMPER	300	250	1	270
V.D.-27	HVAC ROOM	MANUAL, OPPOSED BLADE VOLUME DAMPER	250	150	1	100
V.D.-28	STORE (EXTENSION)	MANUAL, OPPOSED BLADE VOLUME DAMPER	250	200	1	115
V.D.-29	PRAYER ROOM	MANUAL, OPPOSED BLADE VOLUME DAMPER	300	200	1	190
V.D.-30	LOCKER (EXTENSION)	MANUAL, OPPOSED BLADE VOLUME DAMPER	250	200	1	115
V.D.-31	SHOWER	MANUAL, OPPOSED BLADE VOLUME DAMPER	250	150	1	100
V.D.-32	LOCKER ROOM (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	200	150	1	65
M.F.D.-01	BATTERY ROOM (EXTENSION)	MOTORIZED, FIRE DAMPER	350	350	1	520
M.F.D.-02	BATTERY ROOM (EXISTING)	MOTORIZED, FIRE DAMPER	200	150	1	90
M.F.D.-03	LAVATORY	MOTORIZED, FIRE DAMPER	300	300	1	335

SUPPLY AIR DIFFUSER SCHEDULE

TAG NUMBER	LOCATION	TYPE	SIZE L*W (MM)		QTY.	FLOW (L/S)-EACH
S.D.-01	BATTERY ROOM (EXTENSION)	SQUARE SUPPLY AIR DIFFUSER WALL/DUCT MOUNTED TYPE	350	900	1	520
S.D.-02	UPS (EXTENSION)	SQUARE SUPPLY AIR DIFFUSER CEILING MOUNTED TYPE	600	600	1	740
S.D.-03	CONTROL ROOM (EXISTING)	SQUARE SUPPLY AIR DIFFUSER CEILING MOUNTED TYPE	500	500	1	245
S.D.-04	CONTROL ROOM (EXISTING)	SQUARE SUPPLY AIR DIFFUSER CEILING MOUNTED TYPE	450	450	4	206.25
S.D.-05	BATTERY ROOM (EXISTING)	SQUARE SUPPLY AIR DIFFUSER WALL/DUCT MOUNTED TYPE	300	150	1	90
S.D.-06	UPS (EXISTING)	SQUARE SUPPLY AIR DIFFUSER CEILING MOUNTED TYPE	350	350	1	125
S.D.-07	LOCKER ROOM (EXISTING)	SQUARE SUPPLY AIR DIFFUSER CEILING MOUNTED TYPE	200	200	1	45
S.D.-08	HVAC ROOM	SQUARE SUPPLY AIR DIFFUSER CEILING MOUNTED TYPE	350	350	1	135
S.D.-09	CORRIDOR (EXISTING)	SQUARE SUPPLY AIR DIFFUSER CEILING MOUNTED TYPE	450	450	2	192
S.D.-10	CONTROL ROOM (EXISTING)	SQUARE SUPPLY AIR DIFFUSER CEILING MOUNTED TYPE	450	450	1	215
S.D.-11	DINING ROOM	SQUARE SUPPLY AIR DIFFUSER CEILING MOUNTED TYPE	400	400	2	165
S.D.-12	PRAYER ROOM	SQUARE SUPPLY AIR DIFFUSER CEILING MOUNTED TYPE	400	400	1	175
S.D.-13	LOCKER (EXTENSION)	SQUARE SUPPLY AIR DIFFUSER CEILING MOUNTED TYPE	300	300	1	100
S.D.-14	CORRIDOR (EXTENSION)	SQUARE SUPPLY AIR DIFFUSER CEILING MOUNTED TYPE	200	200	1	35
S.D.-15	ARCHIVE (EXTENSION)	SQUARE SUPPLY AIR DIFFUSER CEILING MOUNTED TYPE	300	300	1	75
S.D.-16	ENTRANCE (EXTENSION)	SQUARE SUPPLY AIR DIFFUSER CEILING MOUNTED TYPE	250	250	1	60
S.D.-17	MANAGEMENT ROOM	SQUARE SUPPLY AIR DIFFUSER CEILING MOUNTED TYPE	350	350	1	115
S.D.-18	CONFERENCE ROOM	SQUARE SUPPLY AIR DIFFUSER CEILING MOUNTED TYPE	550	550	1	305



SC.1:100 (1) FLOOR PLAN
HVAC System Layout
(Supply & Return Air Duct layout)

RETURN AIR GRILL SCHEDULE

TAG NUMBER	LOCATION	TYPE	SIZE L*W (MM)		QTY.	FLOW (L/S)-EACH
R.G.-01	UPS (EXTENSION)	SQUARE RETURN AIR GRILL CEILING MOUNTED TYPE	600	525	1	740
R.G.-02	CONTROL ROOM (EXISTING)	SQUARE RETURN AIR GRILL CEILING MOUNTED TYPE	375	225	1	225
R.G.-03	CONTROL ROOM (EXISTING)	SQUARE RETURN AIR GRILL CEILING MOUNTED TYPE	375	225	1	195
R.G.-04	CONTROL ROOM (EXISTING)	SQUARE RETURN AIR GRILL CEILING MOUNTED TYPE	375	225	4	195
R.G.-05	UPS (EXISTING)	SQUARE RETURN AIR GRILL CEILING MOUNTED TYPE	225	225	1	115
R.G.-06	ARCHIVE (EXTENSION)	SQUARE RETURN AIR GRILL CEILING MOUNTED TYPE	150	150	1	40
R.G.-07	MANAGEMENT ROOM	SQUARE RETURN AIR GRILL CEILING MOUNTED TYPE	225	225	1	90
R.G.-08	CONFERENCE ROOM	SQUARE RETURN AIR GRILL CEILING MOUNTED TYPE	375	300	1	270
R.G.-09	HVAC ROOM	SQUARE RETURN AIR GRILL CEILING MOUNTED TYPE	225	225	1	100

100	CONTROL ROOM
101	UPS
102	BATTERY ROOM
103	PANTRY
104	DINING ROOM
105	ENTRANCE
106	MANAGEMENT ROOM
107	CONFERENCE ROOM
108	ARCHIVE
109	LOCKER
110	PRAYER ROOM
111	STORE
112	CORRIDOR
113	AIR LOCK

NOTES

GENERAL NOTES:

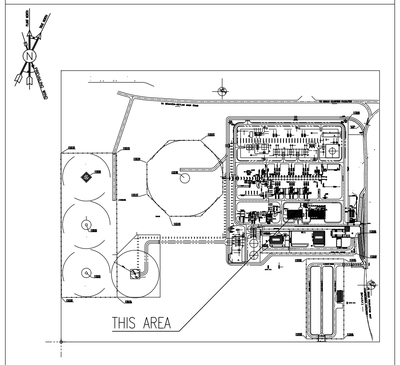
1- DIMENSIONS ARE IN "mm" AND ELEVATIONS IN "m" UNLESS SPECIFIED .
2- ALL DIMENSIONS AND ELEVATIONS SHALL BE CHECKED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
3- CONTRACTOR SHALL COMPARE ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL, PIPING AND STRUCTURAL DRAWINGS AND IN CASE OF ANY CONFLICTS OR DISCREPANCY, INFORM THE ENGINEER.
4-ALL HVAC WORK SHALL BE DONE IN LINE WITH TECHNICAL SPECIFICATIONS.
5- REFRIGERANT PIPE (GAS & LIQUID) SIZE SHOULD BE SPECIFIED BY VENDOR.

LEGEND

M.D. E.A.F.	UTILITY EXHAUST FAN EQUIPPED BY MOTORIZED DAMPER & EXHAUST AIR LOUVER	D.G.	DOOR GRILL
	INLINE AXIAL EXHAUST FAN.		EXHAUST AIR RISER
E.G.	EXHAUST AIR GRILL		SUPPLY AIR RISER
R.G.	RETRN AIR GRILL		RETURN AIR RISER
S.D.	SUPPLY AIR DIFFUSER	B.P.V.	BLAST PROOF VALVE
V.D.	MANUAL VOLUME DAMPER	F.F.D.	FUSE FIRE DAMPER
M.F.D.	MOTORIZED FIRE DAMPER	B.O. ...	BOTTOM OF ...
		T.O. ...	TOP OF ...

REFERENCE DRAWING	DRG. No.
HVAC & Plumbing Design Criteria	BK-GNRAL-PEDCO-000-HV-DC-0001
Specification For HVAC Equipment	BK-GNRAL-PEDCO-000-HV-SP-0001
Specification For Duct Work & Pipe Work	BK-GNRAL-PEDCO-000-HV-SP-0002
Standard Drawing For HVAC & Plumbing	BK-GNRAL-PEDCO-000-HV-DW-0001
Symbol & Legend For HVAC & Plumbing	BK-GNRAL-PEDCO-000-HV-DW-0002
HVAC Calculation Note For Extension of Existing Control Building	BK-GCS-PEDCO-120-HV-CN-0004
Plumbing & Sewage Piping Layout For Extension of Existing Control Building	BK-GCS-PEDCO-120-HV-PY-0015
Data Sheets For Main HVAC Equipment of Extension of Existing Control Building	BK-GCS-PEDCO-120-HV-DT-0003
Site Sewerage System Layout & Details	BK-GCS-PEDCO-120-CV-PY-0001
Unit Plot Plan Drawing	BK-PPL-PEDCO-120-PI-PY-0001

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D01	SEP.2024	IFA	K.AHMADI	M.PAKHARIAN	M.SADEGHIAN	**.**
D00	DEC.2023	IFC	K.AHMADI	M.PAKHARIAN	S.FARAMARZIPOUR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PEDCO — PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: HVAC System Layout & For Extension of Existing Control Building

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.

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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:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-GCS-PEDCO-120-HV-PY-0014	1 OF 3	D01	053-073-9184	F	4	B	709433	1 OF 3	D01

AIR VOLUME DAMPER SCHEDULE

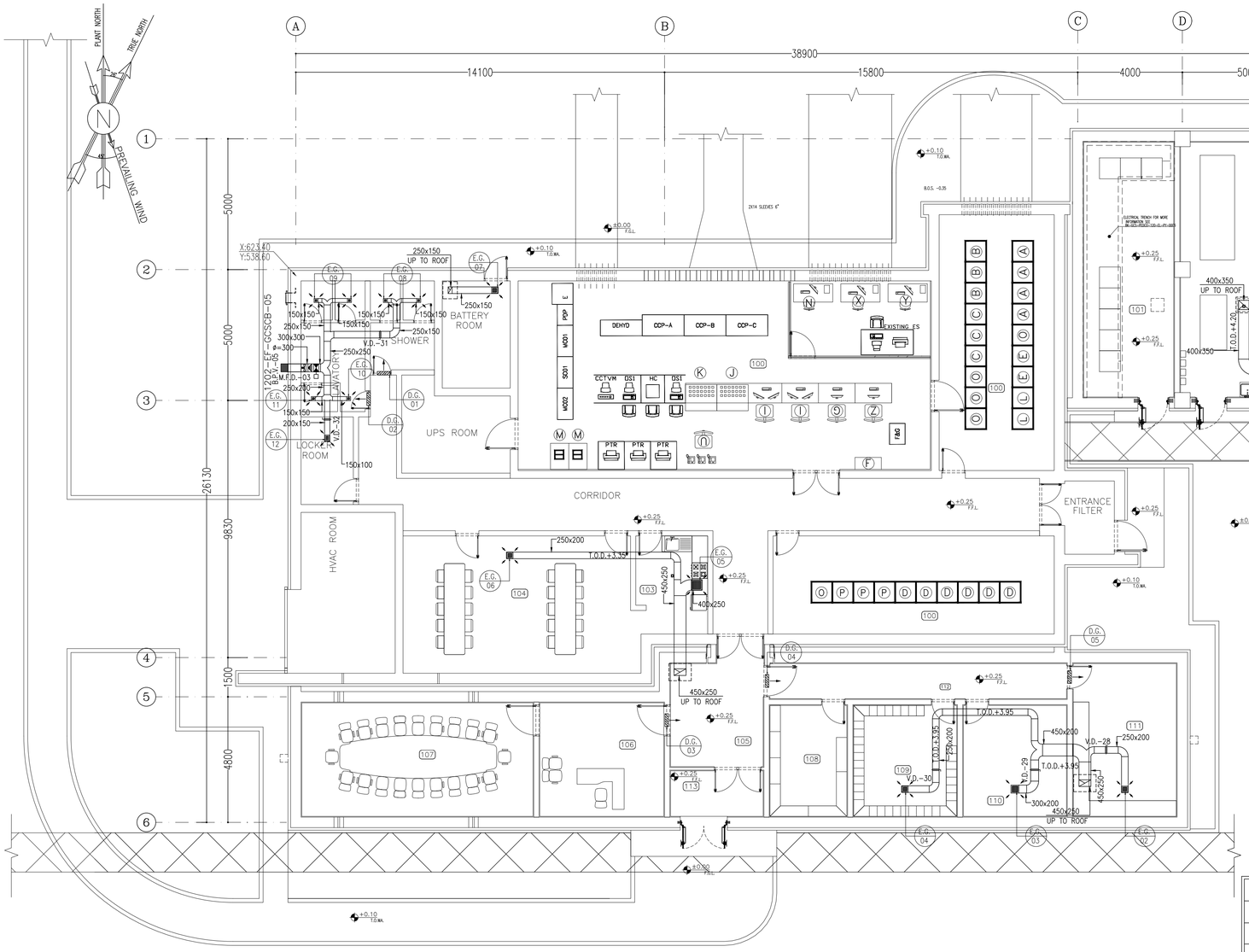
TAG NUMBER	LOCATION	TYPE	SIZE L*W (MM)		QTY.	FLOW (L/S)-EACH
V.D.-01	BATTERY ROOM (EXTENSION)	MANUAL, OPPOSED BLADE VOLUME DAMPER	350	350	1	520
V.D.-02	UPS (EXTENSION)	MANUAL, OPPOSED BLADE VOLUME DAMPER	450	350	1	740
V.D.-03	CONTROL ROOM (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	350	200	1	245
V.D.-04	CONTROL ROOM (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	450	400	1	825
V.D.-05	UPS (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	200	150	1	90
V.D.-06	UPS (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	200	200	1	125
V.D.-07	LOCKER ROOM (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	150	150	1	45
V.D.-08	HVAC ROOM	MANUAL, OPPOSED BLADE VOLUME DAMPER	200	200	1	135
V.D.-09	CORRIDOR (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	500	200	1	385
V.D.-10	CONTROL ROOM (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	300	200	1	215
V.D.-11	DINING ROOM	MANUAL, OPPOSED BLADE VOLUME DAMPER	300	300	1	330
V.D.-12	PRAYER ROOM	MANUAL, OPPOSED BLADE VOLUME DAMPER	400	150	1	175
V.D.-13	LOCKER (EXTENSION)	MANUAL, OPPOSED BLADE VOLUME DAMPER	250	150	1	100
V.D.-14	CORRIDOR (EXTENSION)	MANUAL, OPPOSED BLADE VOLUME DAMPER	150	100	1	35
V.D.-15	ARCHIVE (EXTENSION)	MANUAL, OPPOSED BLADE VOLUME DAMPER	200	150	1	75
V.D.-16	ENTRANCE (EXTENSION)	MANUAL, OPPOSED BLADE VOLUME DAMPER	150	150	1	60
V.D.-17	MANAGEMENT ROOM	MANUAL, OPPOSED BLADE VOLUME DAMPER	200	200	1	115
V.D.-18	CONFERENCE ROOM	MANUAL, OPPOSED BLADE VOLUME DAMPER	400	200	1	305
V.D.-19	UPS (EXTENSION)	MANUAL, OPPOSED BLADE VOLUME DAMPER	550	300	1	740
V.D.-20	CONTROL ROOM (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	250	250	1	225
V.D.-21	CONTROL ROOM (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	250	250	1	195
V.D.-22	CONTROL ROOM (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	450	400	1	780
V.D.-23	UPS (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	250	150	1	115
V.D.-24	ARCHIVE (EXTENSION)	MANUAL, OPPOSED BLADE VOLUME DAMPER	150	150	1	40
V.D.-25	MANAGEMENT ROOM	MANUAL, OPPOSED BLADE VOLUME DAMPER	250	150	1	90
V.D.-26	CONFERENCE ROOM	MANUAL, OPPOSED BLADE VOLUME DAMPER	300	250	1	270
V.D.-27	HVAC ROOM	MANUAL, OPPOSED BLADE VOLUME DAMPER	250	150	1	100
V.D.-28	STORE (EXTENSION)	MANUAL, OPPOSED BLADE VOLUME DAMPER	250	200	1	115
V.D.-29	PRAYER ROOM	MANUAL, OPPOSED BLADE VOLUME DAMPER	300	200	1	190
V.D.-30	LOCKER (EXTENSION)	MANUAL, OPPOSED BLADE VOLUME DAMPER	250	200	1	115
V.D.-31	SHOWER	MANUAL, OPPOSED BLADE VOLUME DAMPER	250	150	1	100
V.D.-32	LOCKER ROOM (EXISTING)	MANUAL, OPPOSED BLADE VOLUME DAMPER	200	150	1	65
M.F.D.-01	BATTERY ROOM (EXTENSION)	MOTORIZED, FIRE DAMPER	350	350	1	520
M.F.D.-02	BATTERY ROOM (EXISTING)	MOTORIZED, FIRE DAMPER	200	150	1	90
M.F.D.-03	LAVATORY	MOTORIZED, FIRE DAMPER	300	300	1	335

EXHAUST AIR & DOOR GRILL SCHEDULE

TAG NUMBER	LOCATION	TYPE	SIZE L*W (MM)		QTY.	FLOW (L/S)-EACH
E.G.-01	BATTERY ROOM (EXTENSION)	SQUARE EXHAUST AIR GRILL CEILING MOUNTED TYPE	450	450	1	520
E.G.-02	STORE (EXTENSION)	SQUARE EXHAUST AIR GRILL CEILING MOUNTED TYPE	225	225	1	115
E.G.-03	PRAYER ROOM (EXTENSION)	SQUARE EXHAUST AIR GRILL CEILING MOUNTED TYPE	300	300	1	190
E.G.-04	LOCKER (EXTENSION)	SQUARE EXHAUST AIR GRILL CEILING MOUNTED TYPE	225	225	1	115
E.G.-05	PANTRY (EXISTING)	SQUARE EXHAUST AIR GRILL CEILING MOUNTED TYPE	375	375	1	305
E.G.-06	DINING ROOM (EXISTING)	SQUARE EXHAUST AIR GRILL CEILING MOUNTED TYPE	225	225	1	115
E.G.-07	BATTERY ROOM (EXISTING)	SQUARE EXHAUST AIR GRILL CEILING MOUNTED TYPE	225	225	1	90
E.G.-08	SHOWER	SQUARE EXHAUST AIR GRILL CEILING MOUNTED TYPE	150	150	2	50
E.G.-09	LAVATORY	SQUARE EXHAUST AIR GRILL CEILING MOUNTED TYPE	150	150	2	50
E.G.-10	LAVATORY	SQUARE EXHAUST AIR GRILL CEILING MOUNTED TYPE	150	150	1	30
E.G.-11	LAVATORY	SQUARE EXHAUST AIR GRILL CEILING MOUNTED TYPE	150	150	1	40
E.G.-12	LOCKER ROOM (EXISTING)	SQUARE EXHAUST AIR GRILL CEILING MOUNTED TYPE	225	150	1	65
D.G.-01	SHOWER	SQUARE TRANSFER AIR GRILL DOOR MOUNTED TYPE	400	350	1	100
D.G.-02	LAVATORY	SQUARE TRANSFER AIR GRILL DOOR MOUNTED TYPE	500	450	1	170
D.G.-03	MANAGMENT	SQUARE TRANSFER AIR GRILL DOOR MOUNTED TYPE	400	250	1	60
D.G.-04	CORRIDOR (EXTENSION)	SQUARE TRANSFER AIR GRILL DOOR MOUNTED TYPE	400	300	1	75
D.G.-05	STORE (EXTENSION)	SQUARE TRANSFER AIR GRILL DOOR MOUNTED TYPE	400	250	1	115

BLAST PROTECTION & FUSE FIRE DAMPER SCHEDULE

TAG NUMBER	LOCATION	TYPE	SIZE L*W (MM)		QTY.	FLOW (L/S)-EACH
B.P.V.-01	ROOF	BLAST PROTECTION DAMPER	450	250	1	420
B.P.V.-02	ROOF	BLAST PROTECTION DAMPER	450	250	1	420
B.P.V.-03	ROOF	BLAST PROTECTION DAMPER	400	350	1	520
B.P.V.-04	ROOF	BLAST PROTECTION DAMPER	250	150	1	90
B.P.V.-05	LAVATORY EXTERNAL WALL	BLAST PROTECTION DAMPER	Ø=300		1	335
F.F.D.-01	ROOF	FUSIBLE LINK FIRE DAMPER	450	250	1	420
F.F.D.-02	ROOF	FUSIBLE LINK FIRE DAMPER	450	250	1	420
F.F.D.-03	ROOF	FUSIBLE LINK FIRE DAMPER	400	350	1	520
F.F.D.-04	ROOF	FUSIBLE LINK FIRE DAMPER	250	150	1	90



SC.1:100 (1) FLOOR PLAN
HVAC System Layout
(exhaust Air Duct layout)

100	CONTROL ROOM
101	UPS
102	BATTERY ROOM
103	PANTRY
104	DINING ROOM
105	ENTRANCE
106	MANAGEMENT ROOM
107	CONFERENCE ROOM
108	ARCHIVE
109	LOCKER
110	PRAYER ROOM
111	STORE
112	CORRIDOR
113	AIR LOCK

NOTES

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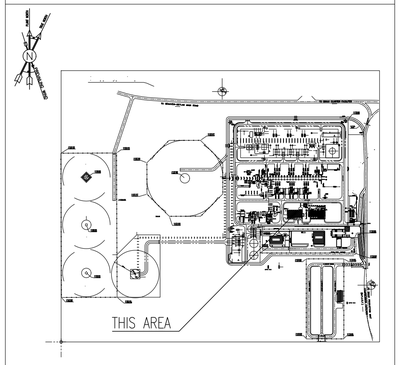
LEGEND

M.D. E.A.E.	UTILITY EXHAUST FAN EQUIPPED BY MOTORIZED DAMPER & EXHAUST AIR LOUVER
	INLINE AXIAL EXHAUST FAN.
E.G.	EXHAUST AIR GRILL
R.G.	RETRN AIR GRILL
S.D.	SUPPLY AIR DIFFUSER
V.D.	MANUAL VOLUME DAMPER
M.F.D.	MOTORIZED FIRE DAMPER
D.G.	DOOR GRILL
	EXHAUST AIR RISER
	SUPPLY AIR RISER
	RETURN AIR RISER
B.P.V.	BLAST PROOF VALVE
F.F.D.	FUSE FIRE DAMPER
B.O. ...	BOTTOM OF ...
T.O. ...	TOP OF ...

REFERENCE DRAWING	DRG. No.
HVAC & Plumbing Design Criteria	BK-GNRAL-PEDCO-000-HV-DC-0001
Specification For HVAC Equipment	BK-GNRAL-PEDCO-000-HV-SP-0001
Specification For Duct Work & Pipe Work	BK-GNRAL-PEDCO-000-HV-SP-0002
Standard Drawing For HVAC & Plumbing	BK-GNRAL-PEDCO-000-HV-DW-0001
Symbol & Legend For HVAC & Plumbing	BK-GNRAL-PEDCO-000-HV-DW-0002
HVAC Calculation Note For Extension of Existing Control Building	BK-GCS-PEDCO-120-HV-CN-0004
Plumbing & Sewage Piping Layout For Extension of Existing Control Building	BK-GCS-PEDCO-120-HV-PY-0015
Data Sheets For Main HVAC Equipment of Extension of Existing Control Building	BK-GCS-PEDCO-120-HV-DT-0003
Site Sewerage System Layout & Details	BK-GCS-PEDCO-120-CV-PY-0001
Unit Plot Plan Drawing	BK-PPL-PEDCO-120-PI-PY-0001

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D01	SEP.2024	IFA	K.AHMADI	M.PAKHARIAN	M.SADEGHIAN	**.**
D00	DEC.2023	IFC	K.AHMADI	M.PAKHARIAN	S.FARAMARZPOUR	**.**

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

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY — HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PEDCO — PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: HVAC System Layout & For Extension of Existing Control Building

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.

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BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

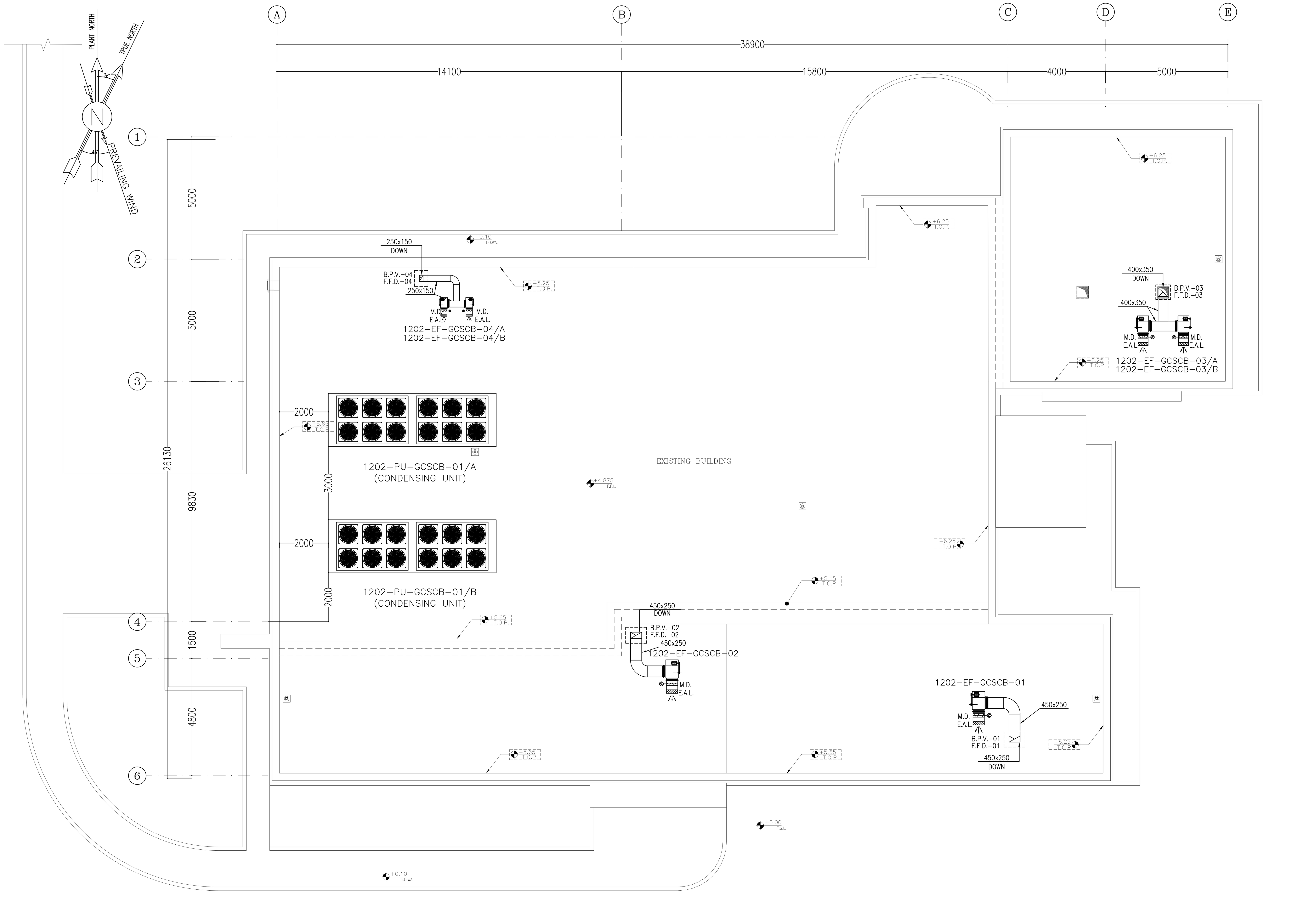
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-GCS-PEDCO-120-HV-PY-0014	2 OF 3	D01	053-073-9184	F	4	B	709433	2 OF 3	D01

BLAST PROTECTION & FUSE FIRE DAMPER SCHEDULE

TAG NUMBER	LOCATION	TYPE	SIZE L*W (MM)		QTY.	FLOW (L/S)-EACH
B.P.V.-01	ROOF	BLAST PROTECTION DAMPER	450	250	1	420
B.P.V.-02	ROOF	BLAST PROTECTION DAMPER	450	250	1	420
B.P.V.-03	ROOF	BLAST PROTECTION DAMPER	400	350	1	520
B.P.V.-04	ROOF	BLAST PROTECTION DAMPER	250	150	1	90
B.P.V.-05	LAVATORY EXTERNAL WALL	BLAST PROTECTION DAMPER	Ø=300		1	335
F.F.D.-01	ROOF	FUSIBLE LINK FIRE DAMPER	450	250	1	420
F.F.D.-02	ROOF	FUSIBLE LINK FIRE DAMPER	450	250	1	420
F.F.D.-03	ROOF	FUSIBLE LINK FIRE DAMPER	400	350	1	520
F.F.D.-04	ROOF	FUSIBLE LINK FIRE DAMPER	250	150	1	90



SC.1:100 (2) ROOF PLAN
HVAC System Layout

NOTES

GENERAL NOTES:

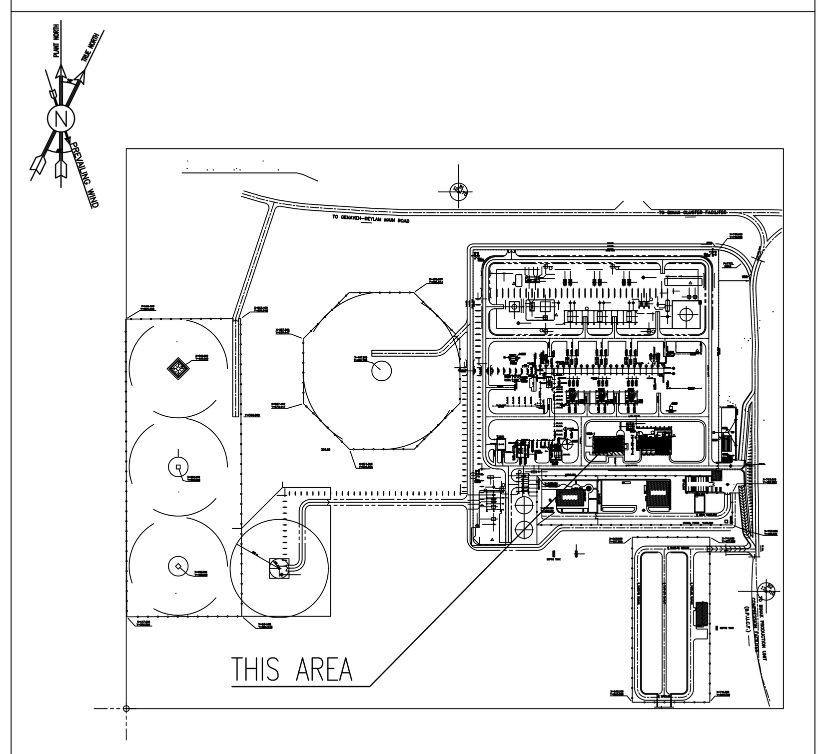
1- DIMENSIONS ARE IN "mm" AND ELEVATIONS IN "m" UNLESS SPECIFIED .
2- ALL DIMENSIONS AND ELEVATIONS SHALL BE CHECKED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
3- CONTRACTOR SHALL COMPARE ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL, PIPING AND STRUCTURAL DRAWINGS AND IN CASE OF ANY CONFLICTS OR DISCREPANCY, INFORM THE ENGINEER.
4-ALL HVAC WORK SHALL BE DONE IN LINE WITH TECHNICAL SPECIFICATIONS.
5- REFRIGERANT PIPE (GAS & LIQUID) SIZE SHOULD BE SPECIFIED BY VENDOR.

LEGEND

- M.D. E.A.L. — UTILITY EXHAUST FAN EQUIPPED BY MOTORIZED DAMPER & EXHAUST AIR LOUVER
- INLINE AXIAL EXHAUST FAN.
- E.G. — EXHAUST AIR GRILL
- R.G. — RETRN AIR GRILL
- S.D. — SUPPLY AIR DIFFUSER
- V.D. — MANUAL VOLUME DAMPER
- M.F.D. — MOTORIZED FIRE DAMPER
- D.G. — DOOR GRILL
- EXHAUST AIR RISER
- SUPPLY AIR RISER
- RETURN AIR RISER
- B.P.V. — BLAST PROOF VALVE
- F.F.D. — FUSE FIRE DAMPER
- B.O. ... — BOTTOM OF ...
- T.O. ... — TOP OF ...

REFERENCE DRAWING	DRG. No.
HVAC & Plumbing Design Criteria	BK-GNRAL-PEDCO-000-HV-DC-0001
Specification For HVAC Equipment	BK-GNRAL-PEDCO-000-HV-SP-0001
Specification For Duct Work & Pipe Work	BK-GNRAL-PEDCO-000-HV-SP-0002
Standard Drawing For HVAC & Plumbing	BK-GNRAL-PEDCO-000-HV-DW-0001
Symbol & Legend For HVAC & Plumbing	BK-GNRAL-PEDCO-000-HV-DW-0002
HVAC Calculation Note For Extension of Existing Control Building	BK-GCS-PEDCO-120-HV-CN-0004
Plumbing & Sewage Piping Layout For Extension of Existing Control Building	BK-GCS-PEDCO-120-HV-PY-0015
Data Sheets For Main HVAC Equipment of Extension of Existing Control Building	BK-GCS-PEDCO-120-HV-DT-0003
Site Sewerage System Layout & Details	BK-GCS-PEDCO-120-CV-PY-0001
Unit Plot Plan Drawing	BK-PPL-PEDCO-120-PI-PY-0001

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D01	SEP.2024	IFA	K.AHMADI	M.FAKHARIAN	M.SADEGHIAN	**.**
D00	DEC.2023	IFC	K.AHMADI	M.FAKHARIAN	S.FARAMARZPOUR	**.**

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

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PEDCO — PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

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