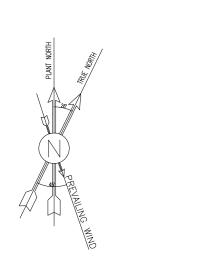
TELECOMM. EQUIPMENT LAYOUT FOR CONTROL BUILDING

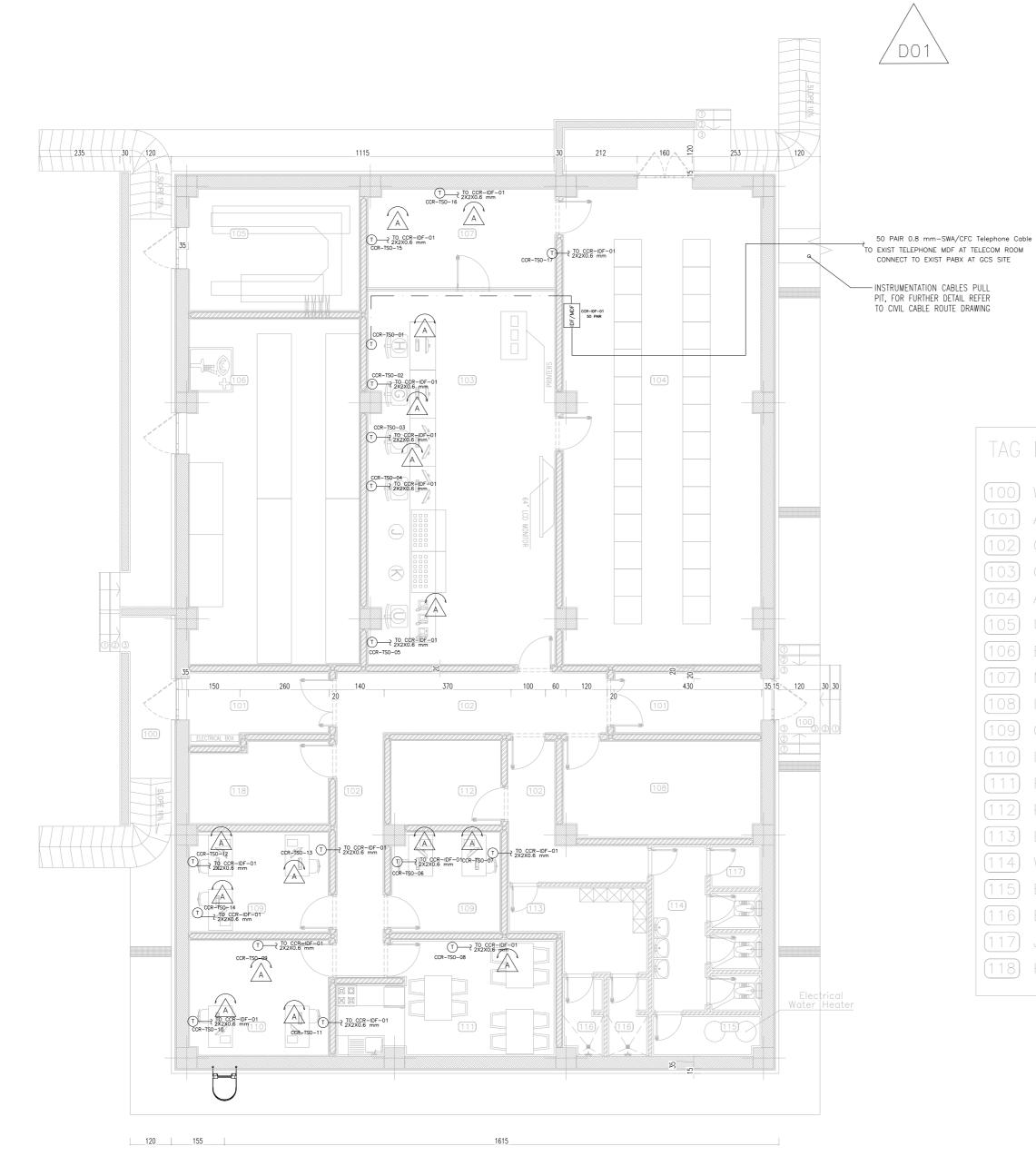
LEGEND

REFERENCE DRAWING	DRG. No.
TELECOM. DESIGN CRITERIA	BK-GNRAL-PEDCO-000-TE-DC-0001
BLOCK DIAGRAM FOR PAGA	BK-GCS-PEDCO-120-TE-BD-0005
DATA SHEETS FOR PABX	BK-GCS-PEDCO-120-TE-DT-0002

KEY PL

							***		******		**,**	* **	*.***	**.**		***.***
D01	SEP.2022	IFA	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	** **	REV.	D	ESCRIPTIO	NT .	BY	I	DATE	BY		DATE
D00	JUN.2022	IFC	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	**.**	ILEV.	ט	DESCRIPTION		CHECKE		CHECKED REV		. AP	PR.
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	شد.	وب ميبا	لق نفت خيز جن	ملى منا	به شرکت	نباس متعلق	نقشه و حق اقت	نسخ این	و کلیه	اصل
ROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION ROJECT NO.:							THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF									
ROJECT NO.: 971020							₩				N.I.S.	0.C./	FIELDS			
ROJECT NO.: PC CONTRACTOR: HIRGAN ENERGY			EPD/EPC CONTRACTOR (GC): PETROIRAN				BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES									
				\mathbf{r}	VELOPME	NT	GAS COMPRESSOR STATION									
HIRGAN I	ENERGY - I	DESIGN & INSPECTION	DEDG		OMPANY		DA'	TE SCALE		E	DRAWI	NG BY	CHECKEL	BY F	ROJE	ECT ENG
IIIIIGAI\ I		PANIES	PEDC	U												
RAWING							N	10 CO	NSTRUCTIO	N PEF	MITTEL	UNLES	S DRAWIN	IG APP	ROVE	ED
TELECOMM. EQUIPMENT LAYOUT FOR CON				CONTROL B	UILDING		APPROVED FOR CONSTRUCTION			'ION	ON BY:		DATE:			
SCALE	SIZE	DRAWIN	G NO.		SHEET NO.	REV.	BUDGET	REF.	LOCATION	SIZE	CLASS	SERL	AL NO.	SHEE	ст П	REVISION
SHOWN	A2	BK-GCS-PEDCO-1	20-TE-PY-	2000	01 OF 03	D01	053-073	-9184	F	2	Т	70	9090	01 OF	03	D01





MA	TERIAL	LIST

ITEM	DESCRIPTION	QTY.
1	TEL SOCKET OUTLET(RJ11) FLUSH MOUNTED	17
2	TELEPHONE MDF ,50 PAIRS 0.6 MM+50 PAIR 0.8 IN FILED SIDE(NC/NO)	1
3	INDOOR TELEPHONE CABLE ,2X2X0.6 mm ,PVC INSULATED	1000 m
4	DIGITAL TELEPHONE SET	15
5	PG 13 PVC CONDUIT	400 M

TAG	NAME	NET	A	REA
100	WALKWAY			
(101)	AIR LOCK		16	sq.m
102	CORRIDOR		33	sq.m
(103)	CONTROL ROOM		59	sq.m
(104)	AUXILIARY ROOM		80	sq.m
(105)	UPS ROOM		18	sq.m
(106)	BATTERY ROOM		50	sq.m
(107)	MANAGEMENT		16	sq.m
(108)	INSTRUMENT ROOM		16	sq.m
(109)	OFFICE		21	sq.m
(110)	IN-CHARGE + ARCHIVE	_	14	sq.m
(111)	PANTRY + DINING ROC) M	20	sq.m
(112)	PRAYER ROOM		8	sq.m
(113)	LOCKER		8	sq.m
(114)	WC		13	sq.m
(115)	BOILERS		4	sq.m
(116)	BATHROOM		6	sq.m
(117)	JANITOR CLOSET		2	sq.m
(118)	HVAC CONTROL ROOM		9	sq.m

SCALE SIZE

AS SHOWN A2

DRAWING NO.

BK-GCS-PEDCO-120-TE-PY-0002

D01

- 1- ALL DIMENSIONS ARE IN CM, UNLESS OTHERWISE MENTIONED. 2- ALTHOUGH THE LOCATION OF EQUIPMENT HAS BEEN SHOWN BUT AS SYMBOLS
 ARE NOT TO SCALE MOST SUITABLE POSITIONS ARE TO BE CHOSEN AT SITE BY
 CONTRACTOR & ENGINEER.
- 3- LAN CABLES SHALL BE SEPARATED FROM 400/230V POWER CABLES BY A MINIMUM OF 300mm ACCORDING TO STANDARD BS 6701. FOR PARALLEL RUNS. ANY CROSS-OVER SHALL BE AT RIGHT ANGLES.
 - 4- ALL RJ-45 SOCKETS WILL BE CONNECTED TO SWITCHES BY NETWORK CABLE CAT 6 TYPE.
 - 5- SEPARATE CONDUIT AND SLEEVE SHALL BE USED FOR POWER AND TELEPHONE LAN,AND PAGING.
 - 6- METALLIC BODY OF ALL ELECTRICAL EQUIPMENT & METAL WORK OF WIRING SYSTEM OTHER THAN CURRENT CARRYING PARTS SHALL BE EFFECTIVELY EARTH THROUGH CONNECTION TO PROTECTIVE CONDUCTOR OF WIRING SYSTEM.
 - 7- TELEPHONE SOCKET SHALL BE CONNECTED TO TJB WITH 2X2X0.6 mm CABLE.
 - 8- WALL SOCKETS SHALL BE INSTALLED 30 cm ABOVE THE FLOOR LEVEL. 9 LAN SOCKETS SHALL BE INSTALLED NEAR ELECTRICAL POWER SOCKETS AND TELEPHONE SOCKETS.

 - 10- AT LEAST 4 METERS OF EXTRA CABLE SHOULD BE COILED IN THE CEILING (OR BELOW THE FALSE -FLOOR) UNLESS THIS CREATES A CABLE RUN LONGER THAN 90 METERS .
- 11— ALL CABLE & WIRES SHALL BE RUN IN RECESSED MOUNTED PVC CONDUIT
 (ROUTED INSIDE THE WALLS/FLOOR)

 12— THE PVC CONDUIT (RELATED TO CABLES OF THE LAN SYSTEM) SHALL BE
 ROUTED INSIDE THE WALLS AT THE ELEVATION OF 30CM FROM THE FLOOR LEVEL.
 THE CONDUITS WHICH CAN NOT RUN INSIDE THE WALLS SHALL BE ROUTED INSIDE
 THE FLOOR.
- 13- LAN RACK WILL BE FED FROM TELECOM PDP LOCATED IN TELECOM BUILDING.
- 14- ALL TELECOM EQUIPMENT SHALL BE FED FROM 230 VAC, 50 HZ, AND
 THE ALLOWED BENDING RADIUS OF FIBER OPTIC CABLE SHALL BE FOLLOWED FROM LAN
 SPEC & G.657 STANDARD.ALLOWED BENDING RADIUS: 20XD(D: External Diameter) 15- MAXIMUM 2 NO.CAT 6 CABLE WILL BE ROUTED IN TO PG-21 CONDUIT.
- 16- THE SPEAKER VOLUME CONTROL SHOULD BE ADJUSTABLE TO PROVIDE THE SHOULD BE 1.4m ABOVE FINISHED FLOOR.

 DESIRED SPEAKER LEVEL. INSTALLATION HEIGHT OF PAGING VOLUME CONTROL
- 17- TOP POINT OF POWER TERMINAL BOX SHALL BE INSTALLED 2000mm ABOVE FLOOR LEVEL.

LEGEND



ANALOUGE PHONE



CEILING LOUD SPAEKER

VOLUME CONTROLLER



RJ-11 TELEPHONE SOCKET



RJ-45 LAN SOCKET



--- 3X1.5 mm2 INDOOR LOUD SPEAKER CABLE

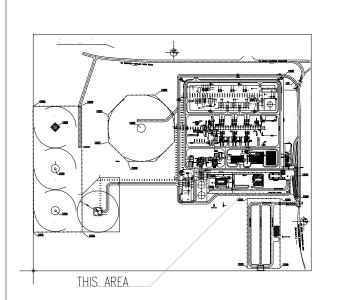
____ 2X2X0.6 MM INDOOR TELEPHONE CABLE

---- CABLE TYPE CAT6 ,

PJB: PAGING JUNCTION BOX MDF: MAIN DISTRIBUTION FRAME

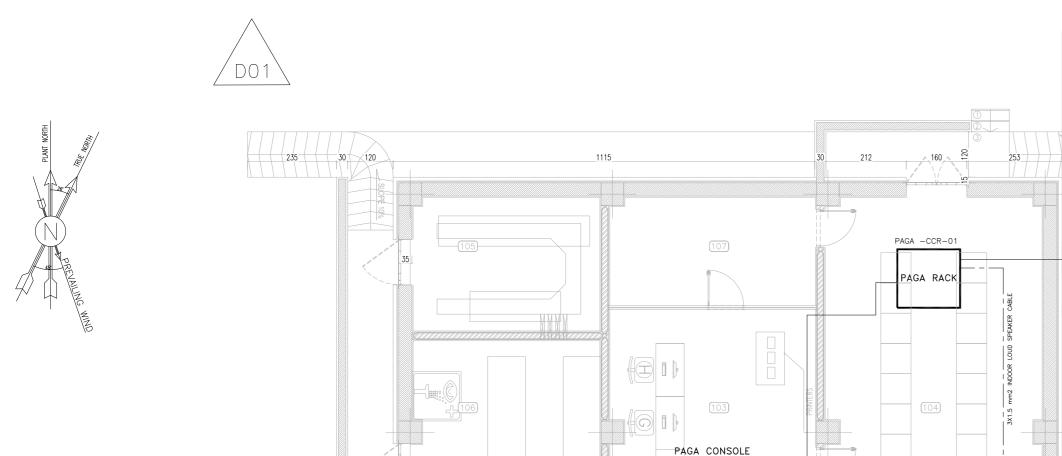
REFERENCE DRAWING	DRG. No.
TELECOM. DESIGN CRITERIA	BK-GNRAL-PEDCO-000-TE-DC-0001
BLOCK DIAGRAM FOR PAGA	BK-GCS-PEDCO-120-TE-BD-0005
DATA SHEETS FOR PABX	BK-GCS-PEDCO-120-TE-DT-0002

KEY PLAN



SHEET NO. REV. BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION 02 OF 03 D01 053-073-9184 F 2 T 709090 02 OF 03 D01

							***	******	**.**	***	*,****	** **	***.***
D01	SEP.2022	IFA	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	**.**	REV.	DESCRIPTION	BY	D	ATE	BY	DATE
D00	JUN.2022	IFC	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	**.**	REV.	DESCRIPTION	CHECKED)	REV. APPR.	
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.						
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION						S	THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF						
PROJECT	NO.:		9710	20				5 2 6	N.I.S.O.	C./ 1	FIELDS	5	
EPC CONTRACTOR: EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT							LFIELD : RFACE FA	CILIT	TIES				
HIRGAN	ENERGY -	DESIGN & INSPECTION	DEDG		MPANY		DA	TE SCALE	DRAWING	BY	CHECKE	D BY	PROJECT ENG.
	RGAN ENERGY - DESIGN & INSPECTION PEDCO COMPANIES		U										
DRAWING		DI EGOLUL BOLUDIGUM I	AMOUTH DOD	GOVEDOL D		·]	NO CONSTRUCTION PE	RMITTED 1	JNLES	S DRAW	ING AP	PROVED
TELECOMM. EQUIPMENT LAYOUT FOR CONTROL BUILDING							APPROVED FOR CONSTRUCTION BY: DATE:						



AS SHOWN A2

TAG	NAME	NET A	REA
100	WALKWAY		
101	AIR LOCK	16	sq.m
102	CORRIDOR	33	sq.m
103	CONTROL ROOM	59	sq.m
104	AUXILIARY ROOM	80	sq.m
(105)	UPS ROOM	18	sq.m
106	BATTERY ROOM	50	sq.m
107	MANAGEMENT	16	sq.m
108	INSTRUMENT ROOM	16	sq.m
109	OFFICE	21	sq.m
110	IN-CHARGE + ARCHIVE	Ξ 14	sq.m
111	PANTRY + DINING ROC	OM 20	sq.m
(112)	PRAYER ROOM	8	sq.m
(113)	LOCKER	8	sq.m
(114)	WC	13	sq.m
(115)	BOILERS	4	sq.m
116	BATHROOM	6	sq.m
(117)	JANITOR CLOSET	2	sq.m
(118)	HVAC CONTROL ROOM	Q	sa m

→ TO OUTDOOR LOUDSPEAKER

35 15 120 30 30

-INSTRUMENTATION CABLES PULL PIT, FOR FURTHER DETAIL REFER TO CIVIL CABLE ROUTE DRAWING

NOTES	

- 1- ALL DIMENSIONS ARE IN CM, UNLESS OTHERWISE MENTIONED.
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- 17— TOP POINT OF POWER TERMINAL BOX SHALL BE INSTALLED 2000mm ABOVE FLOOR LEVEL.

LEGEND



CEILING LOUD SPAEKER

 \bigcirc VOLUME CONTROLLER

RJ-11 TELEPHONE SOCKET

RJ-45 LAN SOCKET

--- 3X1.5 mm2 INDOOR LOUD SPEAKER CABLE

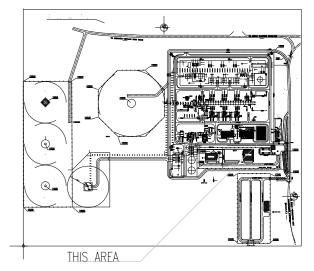
__ · _ · _ 2X2X0.6 MM INDOOR TELEPHONE CABLE ---- CABLE TYPE CAT6 ,

PJR: PAGING JUNCTION BOX

MDF: MAIN DISTRIBUTION FRAME

REFERENCE DRAWING	DRG. No.
TELECOM. DESIGN CRITERIA	BK-GNRAL-PEDCO-000-TE-DC-0001
BLOCK DIAGRAM FOR PAGA	BK-GCS-PEDCO-120-TE-BD-0005
DATA SHEETS FOR PABX	BK-GCS-PEDCO-120-TE-DT-0002

KEY PLAN



							***	******	**.**	***.***	**.**	***.***
D01	SEP.2022	IFA	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	**.**	REV.	DESCRIPTION	BY	DATE	BY	DATE
D00	JUN.2022	IFC	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	**,**	ILEV.	DESCRIPTION	CHE	CKED	REV. APPR.	
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	.د.	ملى مناطق نفت خيز جنوب ميباث	متعلق به شركت	ه و حق اقتباس	لليه نسخ اين نقث	اصل و ک
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						
PROJECT NO.: 971020						N.I.S.O.C./ FIELDS						

629.59 PROJECT NO.: 971020 EPC CONTRACTOR: EPD/EPC CONTRACTOR (GC): BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES HIRGAN PETROIRAN HIRGAN ENERGY

BK-GCS-PEDCO-120-TE-PY-0002

			DE	GAS COMPRESSOR STATION											
HIRGAN ENERGY - DESIGN & INSPECTION		PEDCO CO	COMPANY		COMPANY		DATE	SCAL	E	DRAWING BY		CHECKED	BY F	ROJECT	r ENG.
		IPANIES	PEDCO												
DRAWING		TO THE TAXABLE PARTY OF TAXABL	WOLLD DOD GOVEDOL D	NIII DINA		NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED									
TELECOMM. EQUIPMENT LAYOUT FOR CONTROL BUILDING							APPROVED FOR CONSTRUCTION BY: DATE:								
SCALE	SIZE	DRAWII	DRAWING NO. SHEET NO. REV.				LOCATION	SIZE	CLASS	SERI	AL NO.	SHEE	T RE	VISION	

03 OF 03 D01 053-073-9184 F 2 T 709090 03 OF 03 D01



120 155

CCR-LSP-C

100 60 120

3X1.5 mm2 INDOOR LOUD SPEAKER CABLE

ITEM	DESCRIPTION	QTY.
1	FLUSH MOUNTED CEILING LOUDSPEAKER ,5W	4
2	PAGING CABLE 3X1.5 mm2, CU/PVC	100m
3	PVC CONDUIT PG16	100 m
4	JUNCTION BOX WITH TERMINAL STRIP FOR CEILING SPEAKER	4
5	PAGA SYSTEM (RACK+MDE+AMPI IEIER)	1