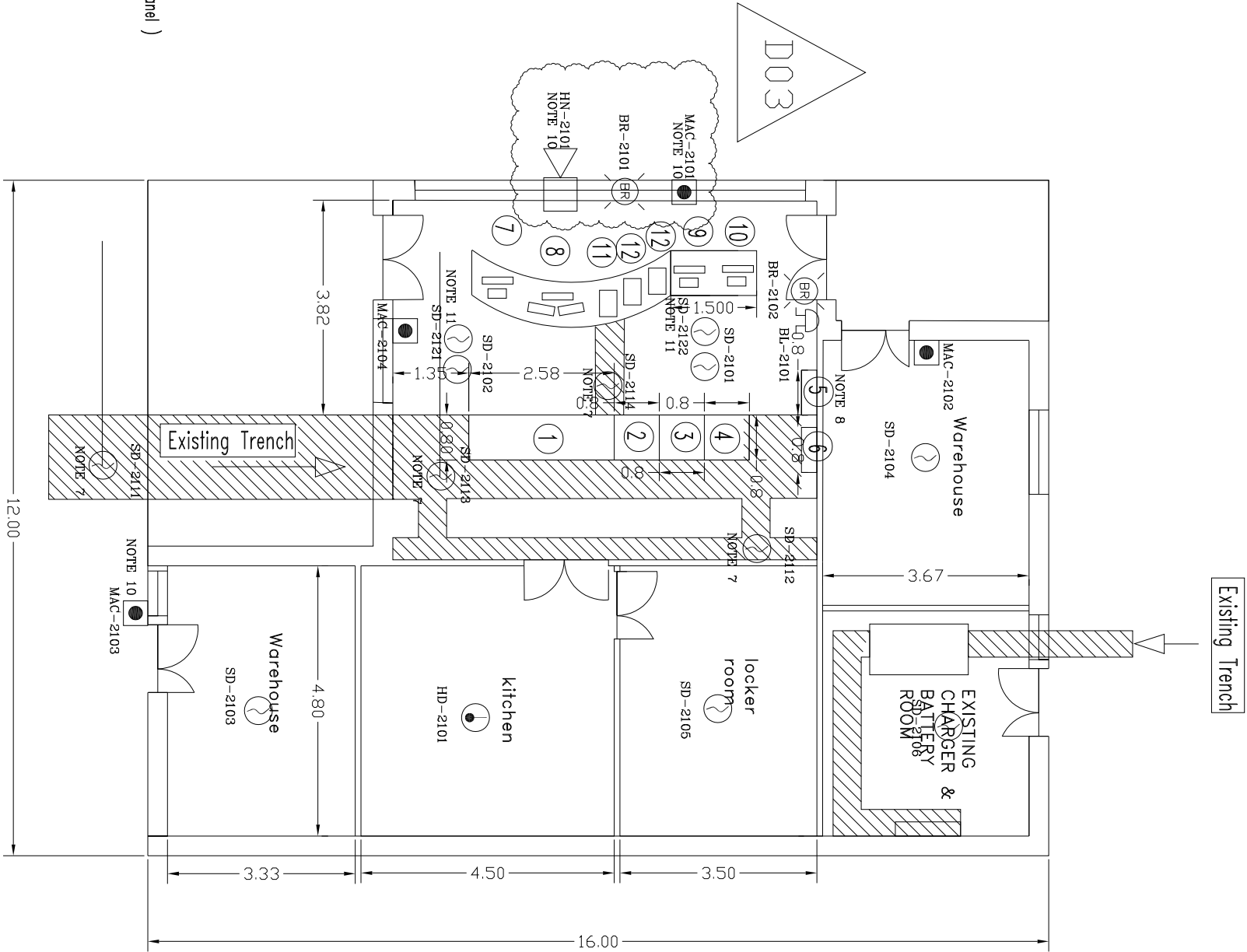
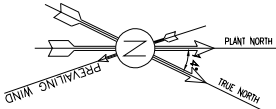


NOTES

DOCUMENT TITLE

F&G LOCATION LAYOUT-EXTENSION OF BINAK B/C MANIFOLD

[illegible]

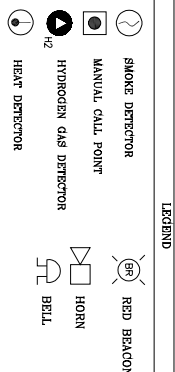


- 1 Existing Panel (Relay Based Control Panel)
- 2 NEW DCS Panel
- 3 NEW ESD Panel
- 4 Spare
- 5 NEW Wall Mounted FACP
- 6 NEW Wall Mounted Switch Panel
- 7 Existing workstation
- 8 NEW DCS / ESD Double Monitor Operator Workstation
- 9 NEW ESD Engineering Workstation
- 10 NEW DCS Engineering Workstation
- 11 NEW Color printed
- 12 NEW Black/White printed

CONTROL BUILDING AREA

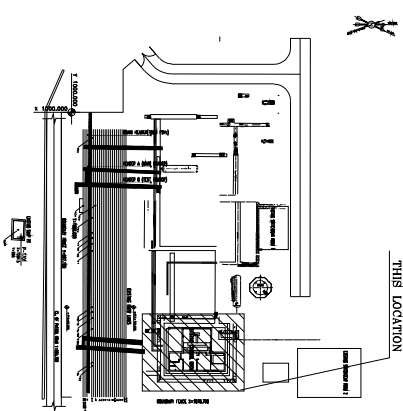
ITEM	DESCRIPTION	QTY.	INSTALLATION ELEVATION
1	MANUAL CALL POINT(MAC)	4	1.4 m
2	HORN(HN)	1	3 m
3	BBACON (BR)	1RED	3 m
4	SMOKE DETECTOR(SD)	6	ON CEILING
5	SMOKE DETECTOR(SD)	4	ON CABLE TRENCH
6	SMOKE DETECTOR(SD)	2	ON FALSE CEILING
7	HEAT DETECTOR(HD)	1	ON CEILING
8	BELL	1	2.4 m
9	INTERNAL BBACON (BR)	1RED	2.4 m

- NOTES
- ALL DIMENSIONS ARE IN METER.
 - MAC SHALL BE WALL MOUNTED AT HEIGHT OF 1.4m ABOVE FINISHED LEVEL.
 - SMOKE DETECTOR, HEAT AND HYDROGEN GAS DETECTOR SHALL BE INSTALLED ON CEILING.
 - ALL INSTALATION ELEVATION SHALL BE ADJUSTED AT SITE.
 - BELL SHALL BE INSTALLED ON WALL.
 - HYDROGEN GAS DETECTORS TO BE CONSIDERED ADDRESSABLE TYPE.
 - SMOKE DETECTOR WITH REMOTE INDICATOR FOR CABLE TRENCH.
 - SMOKE DETECTOR WITH REMOTE INDICATOR FOR FALSE CEILING.
 - FACP SHALL BE CONSIDERED ADDRESSABLE TYPE.
 - DELETED.
 - IN ACCORDANCE TO DCC, "HAZARDOUS AREA CLASSIFICATION LAYOUT" EXTENSION OF BINAK B/C W007S WHF & EXTENSION OF BINAK B/C MANIFOLD. OUTDOOR EQUIPMENT SHALL NOT BE EX. TYPE.
 - SMOKE DETECTOR WITH REMOTE INDICATOR FOR FALSE CEILING.
 - ONE TONE TO BE SELECTED FOR HORN AND BEACON FOR FIRE DETECTION (CONTINUOUS).
 - ONE COLOR TO BE SELECTED FOR BEACONS.
 - RED FOR FIRE
 - MAX. COVERAGE AREA FOR SMOKE DETECTORS HAS BEEN CONSIDERED 37m² AND FOR HEAT DETECTORS HAS BEEN CONSIDERED 15m².
 - MAX. DISTANCE BETWEEN TWO SMOKE DETECTORS HAS BEEN CONSIDERED 15m.

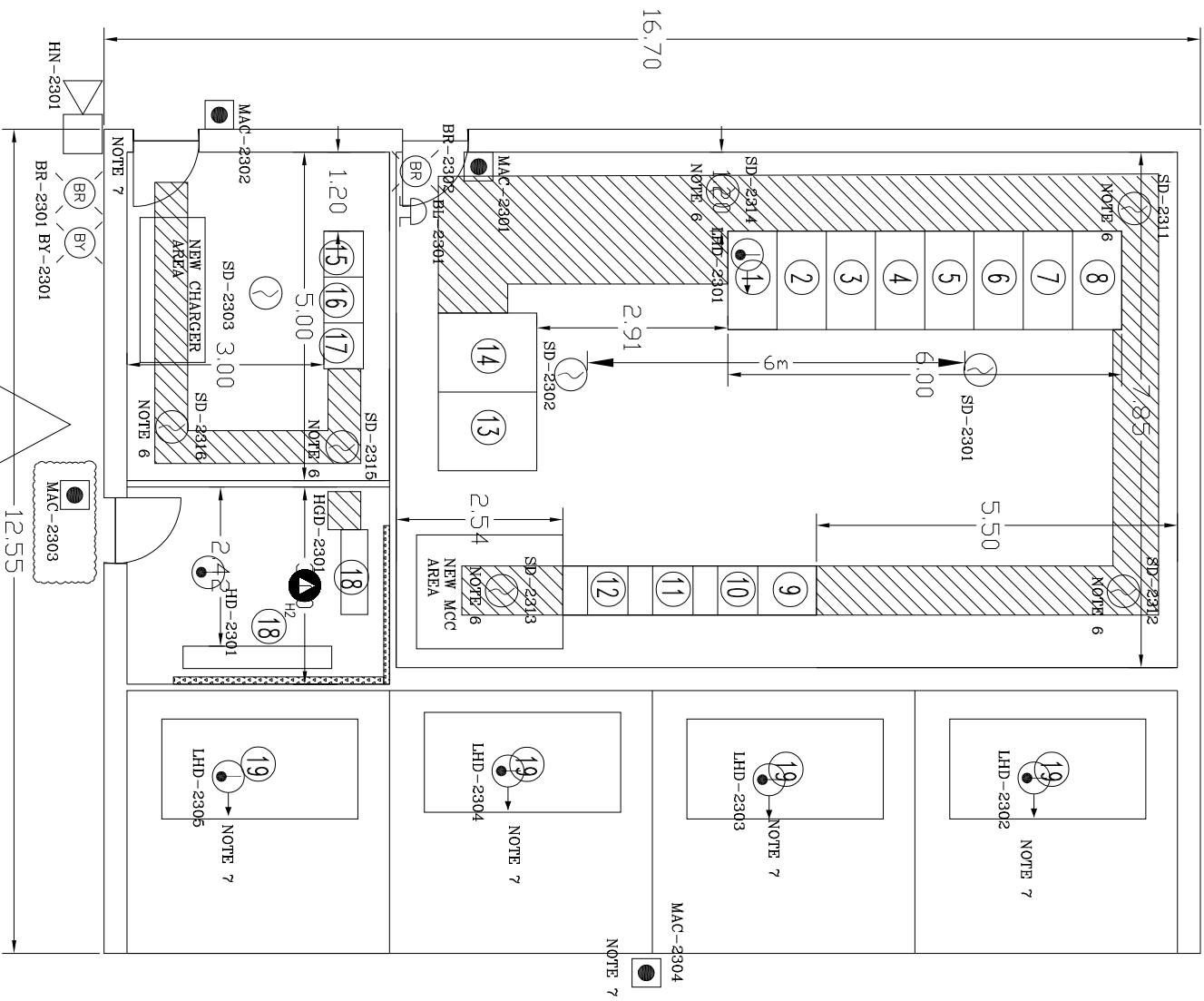


REFERENCE DRAWING	DRG. No.
PREPARATION FOR FIRE & GAS SENSOR AND DEVICES	BR-CHAL-PEXCO-000-IN-SP-0006
FIRE & GAS DETECTION DESIGN CONTROL	BR-GDS-PEXCO-100-IN-DC-0001
PLAT PLAN DRAWING EXTENSION OF BINAK B/C MANIFOLD	BR-W007S-PEXCO-110-IN-PI-PV-0001

KEY PLAN



PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES W007S WHF & EXTENSION OF BINAK B/C MANIFOLD		PROJECT NO.: 971020	
EPC CONTRACTOR: HIRSHAN ENERGY - DESIGN & INSPECTION COMPANIES		EPC/EPC CONTRACTOR (GC): PETROBRAS DEVELOPMENT COMPANY	
DRAWING TITLE: P&G LOCATION LAYOUT - EXTENSION OF BINAK B/C MANIFOLD		NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED	
SCALE: 1/1	SIZE: A3	DRAWING NO. BK-W007S-PEXCO-110-IN-PI-PV-0006	SHEET NO. 02 OF 04
REV. D03	DATE: MAR 2023	ATC	*****
REV. D02	DATE: JAN 2023	IPA	*****
REV. D01	DATE: SEP 2022	IPA	*****
REV. D00	DATE: MAY 2022	IPC	*****
REV. DATE	DATE	PREP.	CHK.
REV. DATE	DATE	APP.	AUT.
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS		APPROVED FOR CONSTRUCTION BY: DATE: SHEET REVISION	





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NOTES

1. ALL DIMENSIONS ARE IN METERS.
2. MGS SHALL BE WALL MOUNTED AT HEIGHT OF 1.4m ABOVE FINISHED LEVEL.
3. SMOKE DETECTOR, HEAT AND HOBROGA GAS DETECTOR SHALL BE INSTALLED ON CEILING.
4. ALL INSTALLATION ELEVATION SHALL BE ADJUSTED AT SITE
5. HOBROGA GAS DETECTORS TO BE CONSIDERED ADDRESSABLE TYPE.
6. SMOKE DETECTOR WITH RELIOTE INDICATOR FOR CABLE TRENCH.
7. IN ACCORDANCE TO DGC, HAZARDOUS AREA CLASSIFICATION LAYOUT, EXTENSION OF BUNK B/C EQUIPMENT SHALL NOT BE EX. TYPE.
8. TWO DIFFERENT TONES TO BE SELECTED FOR HORN AND ALARMING CONTINUOUS) AND ONE FOR FIRE DETECTION/FLAMMABLE & TOXIC GAS DETECTION HIGH ALARM (CONTINUOUS).
9. 2 DIFFERENT COLORS TO BE SELECTED FOR BEACONS.
10. MAX. COVERED AREA FOR SMOKE DETECTORS HAS BEEN CONSIDERED 57 m² AND FOR HEAT DETECTORS HAS BEEN CONSIDERED 10 m².
11. BEANSE BETWEEN TWO SMOKE DETECTORS HAS

LEGEND	
	SMOKE DETECTOR
	MANUAL CALL POINT
	HYDROGEN GAS DETECTOR
	LINEAR HEAT DETECTOR
	HEAT DETECTOR
	RED BEACON
	YELLOW BEACON
	HORN
	BELL
REFERENCE DRAWING	DWG. No.
REPLICATION FOR FIRE & GAS SENSOR AND DEVICES	BR-CINUL-PRD-000-IN-SF-0000
FIRE & GAS DETECTION ZONE CRITERIA	BR-CINUL-PRD-120-IN-DC-0001
PISTON PUMP BEARING CONSTRUCTION OF BUNK B/C MANHOLE	BR-K007G-PRD-010-PI-PV-0001

EPC CONTRACTOR: <div> HIRACAN ENERGY HIRACAN ENERGY - DESIGN & INSPECTION COMPANIES</div>		EPC/EPC CONTRACTOR (CO): <div> PETROIRAN DEVELOPMENT COMPANY</div>		BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES							
DRAWING TITLE: P&G LOCATION LAYOUT - EXTENSION OF BINAK B/C MANIFOLD				WOOPS WHF & EXTENSION OF BINAK B/C MANIFOLD							
				DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.			
				NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED							
				APPROVED FOR CONSTRUCTION BY:	DATE:						
(VENDOR TITLE BLOCK)		SCALE 1/1	SHEET NO. A3	DRAWING NO. BK-WOODS-P&G-110-IN-PY-0006	SHEET NO. 04 OF 04	REV. D03	BINDER REF. 0-65-073-9184	LOCATION/SIZE/CLASS F z J	SERIAL NO. 708000	SHEET 4	REGION D03