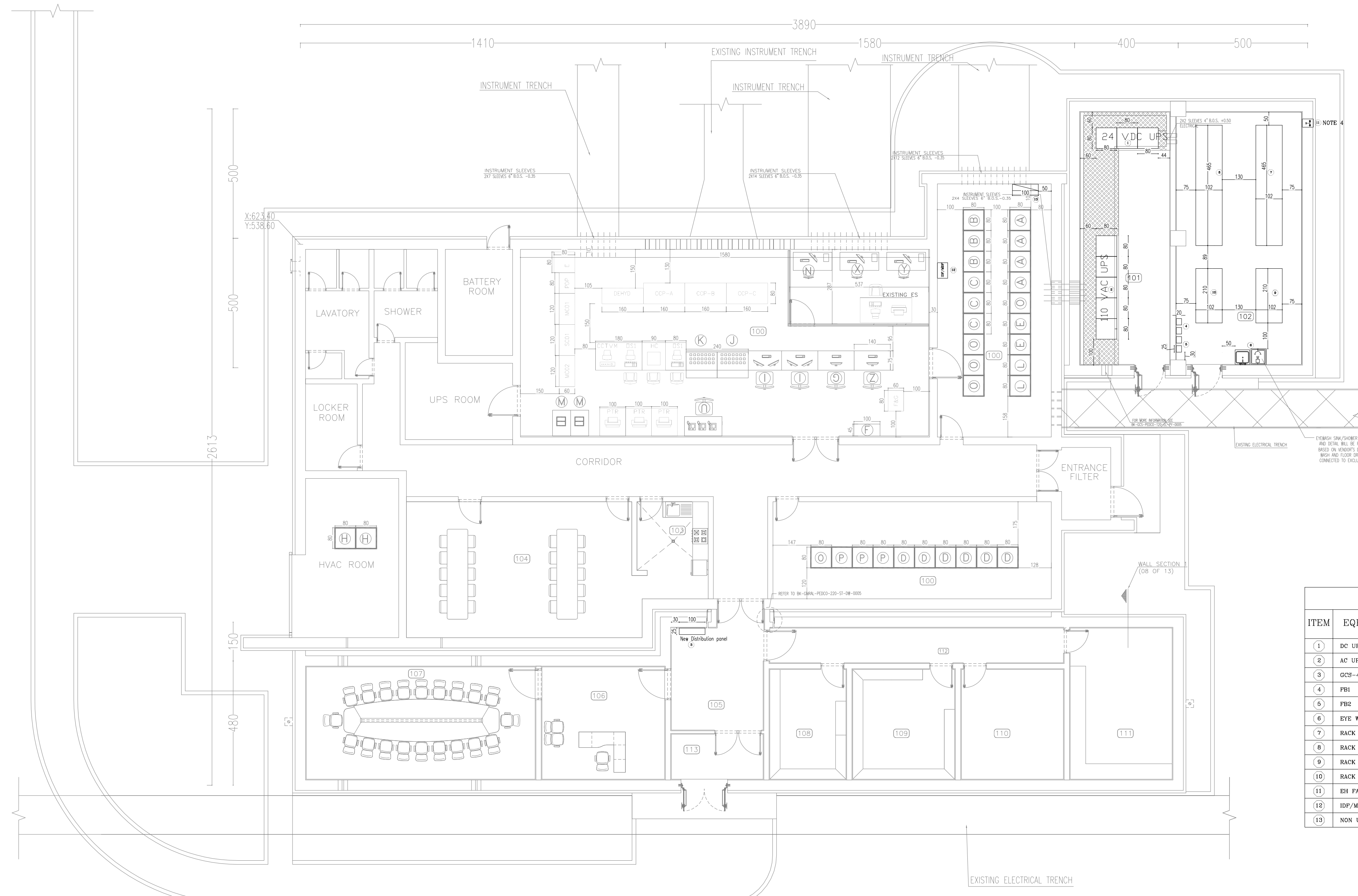


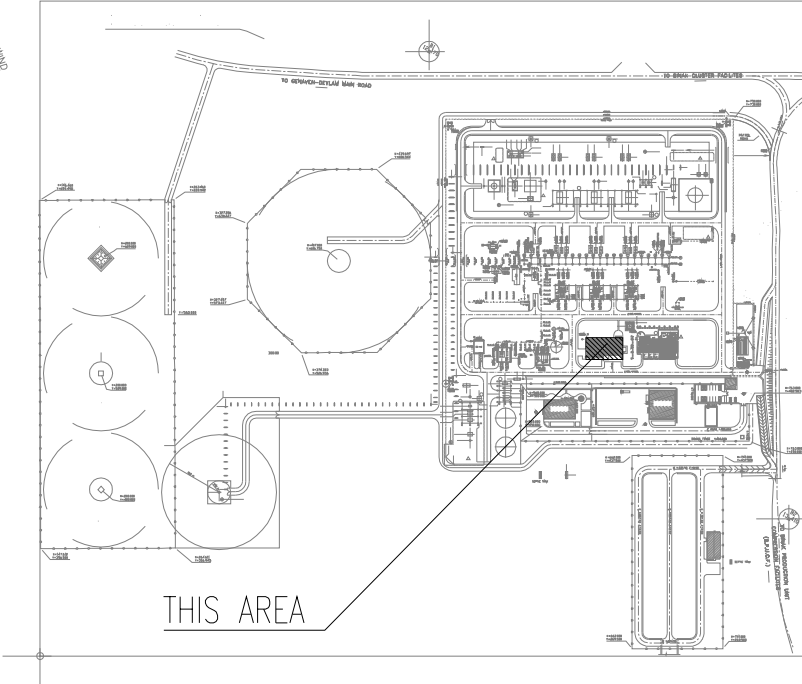
ELECTRICAL EQUIPMENT ARRANGEMENT LAYOUT
FOR BUILDING

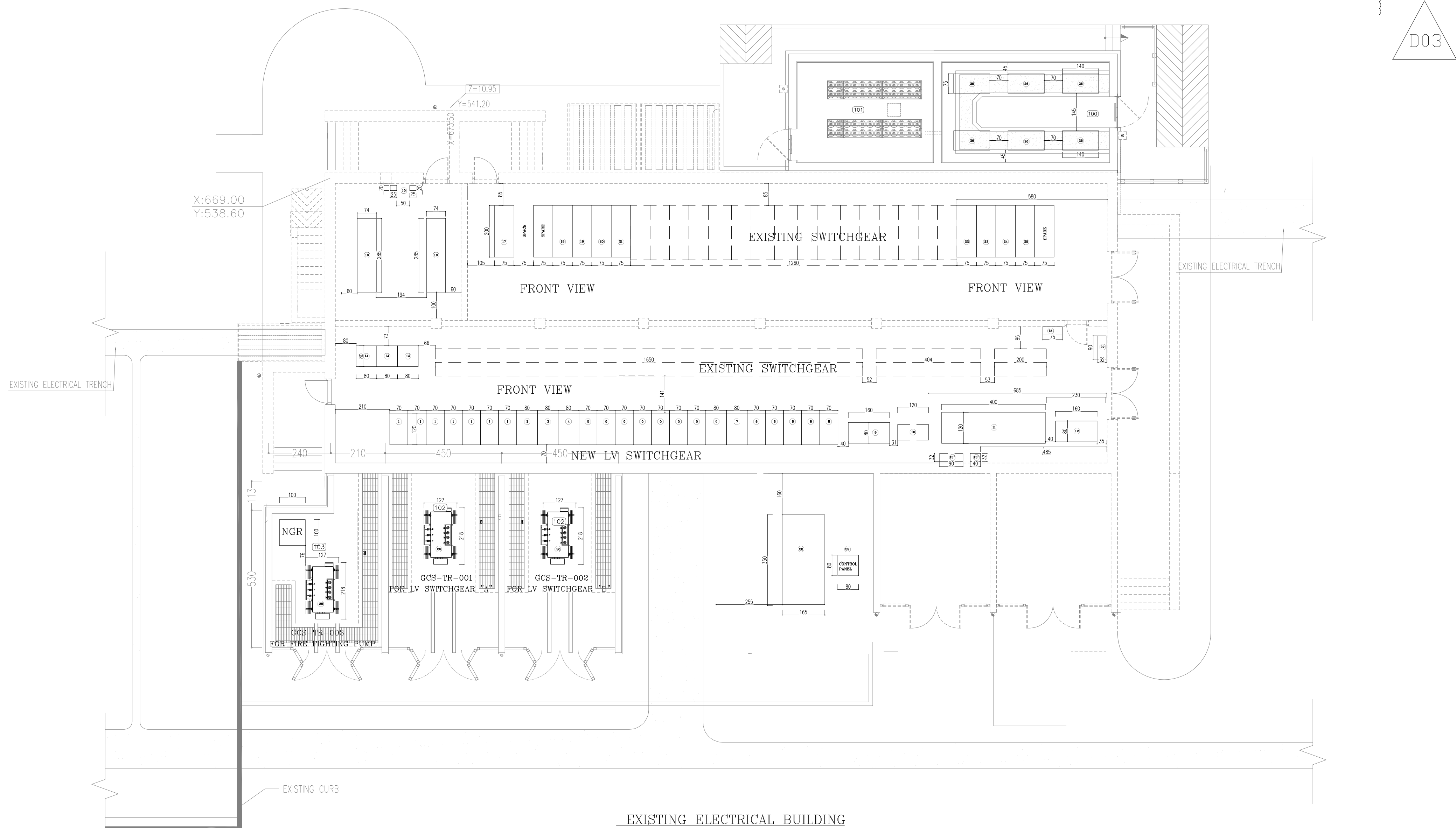
D03	MAR.2024	IFA	H.SHAKIBA	M.FAKHARIAN	S.PARMAZPOUR	** **												
D02	APR.2023	IFA	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	** **	***	*****	** **	*** **	** **	*** **						
D01	OCT.2022	IFA	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	** **	REV.	DESCRIPTION	BY	DATE	BY	DATE						
D00	MAY.2022	IPC	H.SHAKIBA	M.FAKHARIAN	M.MEHRSHAD	** **			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. 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 NAME:							BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION											
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:							NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED											
ELECTRICAL EQUIPMENT ARRANGEMENT LAYOUT FOR BUILDING							APPROVED FOR CONSTRUCTION								BY:		DATE:	
SCALE	SIZE	DRAWING NO.			SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION					
AS SHOWN	A3	BK-GCS-PEDCO-120-EL-PY-0008			01 OF 05	D03	063-073-9184	F	2	P	709063	01 OF 05	D03					



CONTROL ROOM EQUIPMENT		
ITEM	EQPT. NO.	DESCRIPTION
①	DC UPS	24 VDC UPS
②	AC UPS	110 VAC UPS
③	GCS-400-EDP-CHN	CONTROL ROOM NEM EMERGENCY DISTRIBUTION PANEL & HVAC
④	PB1	FUSE BOX 24 VDC
⑤	PB2	FUSE BOX 110 VAC
⑥	EYE WASH	EYEWASH SINK/SHOWER
⑦	RACK 1	110 VAC BATTERY BANK RACK 1
⑧	RACK 2	110 VAC BATTERY BANK RACK 2
⑨	RACK 1	24 VDC BATTERY BANK RACK 1
⑩	RACK 2	24 VDC BATTERY BANK RACK 2
⑪	EH FAN	EX EXHAUST FAN
⑫	IDP/MDP	INTERMEDIATE/MAIN DISTRIBUTION FRAME
⑬	NON UPS	GCS-400-100N UPS

D03	MAR.2024	IFA	H.SHAKIBA	M.FAKHARIAN	S.FARAMARZPOUR				***
D02	APR.2023	IFA	H.SHAKIBA	M.FAKHARIAN	M.MEHESHAD				***
D01	OCT.2022	IFA	H.SHAKIBA	M.FAKHARIAN	M.MEHESHAD				***
D00	MAY.2022	IFC	H.SHAKIBA	M.FAKHARIAN	M.MEHESHAD				***
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.				AUT.
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:									
ELECTRICAL EQUIPMENT ARRANGEMENT LAYOUT FOR BUILDING									
SCALE	SIZE	DRAWING NO.				SHEET NO.		REV.	
AS SHOWN	A1	BK-GCS-PEDCO-120-EL-PY-000B				02 OF 05		D03	

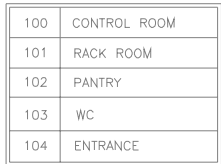
NOTES					
1- ALL DIMENSION ARE IN "cm"					
2- "EDP" IS AS BELOW:					
GCS-400-EDP-CRM. CONTROL ROOM EMERGENCY DISTRIBUTION PANEL & HVAC					
3- ALL INFORMATION DATA, WEIGHTS AND DIMENSIONS SHOWN IN THE DRAWING SHALL BE VERIFIED AND FINALIZED ACCORDING TO VENDOR DOCUMENTS.					
4- EXHAUST FAN LOCATION SHALL BE ACCORDING TO HVAC LAYOUT. THIS IS PRELIMINARY IN THIS DOCUMENT.					
LEGEND					
REFERENCE DRAWING			DRG. No.		
ARCHITECTURAL DETAIL DRAWING FOR EXTENSION OF EXISTING CONTROL BUILDING			BK-GCS-PEDCO-120-AR-DW-0011		
CALCULATION NOTE FOR UPS SYSTEM			BK-GCS-PEDCO-120-EL-CN-0004		
CALCULATION NOTE FOR DC CHARGER SYSTEM			BK-GCS-PEDCO-120-EL-CN-0005		
KEY PLAN					
					
***	*****	** **	*** **	** **	*** **
REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
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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:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET
053-073-9184	F	2	P	709053	02 OF 05
					D03



- | | |
|-----|-------------------------------------|
| 100 | CAPACITOR BANK |
| 101 | CO2 ROOM |
| 102 | TRANSFORMER ROOM |
| 103 | FIRE-FIGHTING PUMP TRANSFORMER ROOM |
| 104 | DIESEL ROOM |

SWITCHGEAR ROOM EQUIPMENT		
ITEM	EQUIPT. NO.	DESCRIPTION
1	OUT 2, OUT 3, OUT 4, OUT 5, OUT 6, OUT 7	OUTDOORS FOR NEW LV SWITCHGEAR A
2	INT A	INDOORS FOR NEW LV SWITCHGEAR A
3	COUPLER	COUPLER A&B
4	INT B	INDOORS FOR NEW LV SWITCHGEAR B
5	OUT 1, OUT 2, OUT 10, OUT 11, OUT 12, OUT 13, OUT 14	A OUTDOORS FOR NEW LV SWITCHGEAR B
6	COUPLER	COUPLER B&C
7	INT C	INDOORS FOR NEW LV SWITCHGEAR C
8	OUT 15, OUT 16, OUT 17, OUT 18, OUT 19	OUTDOORS FOR NEW LV SWITCHGEAR C
9	IMP 1	NEW IMP PANEL
10	IMP 2	NEW IMP PANEL
11	240V-120V, R/C	TRANSFORMER PANELS FOR GAS COMPRESSOR 240V/120V
12	CWB 1	NEW W/ CLIPBOARD BANK 0.4' X 3'
13	IMP 1	NEW REMOTE CONTROL PANEL
14	IMP 2	EXISTING REMOTE CONTROL PANELS
15	CB CHARGER	NEW CB CHARGER PANEL
16	PS	215 VDC BATTERY FUSE BOX
17	PS	215 VDC BATTERY FUSE BANK 1.0 X 3
18	FEED, FEEDING PANEL	FEED 3.5 KW WATER ELECTRIC PUMP 3.5 KW
19	C-240V W/ SWITCHGEAR	PANEL A SECOND STAGE GAS COMPRESSOR C. 11 KV PANEL
20	C-240V W/ SWITCHGEAR	PANEL B SECOND STAGE GAS COMPRESSOR C. 11 KV PANEL
21	QDS-TN-001	TO TRANSFORMER 001/11.42 KV A/B
22	ASAPTOR	CONNECTION EXISTING W/ PANELS TO NEW SWITCHGEAR
23	QDS-TN-002	CONNECTION EXISTING W/ PANELS TO NEW SWITCHGEAR
24	QDS-TN-003	TO TRANSFORMER 003/11.42 KV B/C
25	C-240V W/ SWITCHGEAR	PANEL A SECOND STAGE GAS COMPRESSOR C. 11 KV PANEL
26	TRANSFORMER	W/ 11 KV TRANSFORMER
27	CWB 2	NEW W/ CLIPBOARD BANK 11' X 3'
28	QDS-400-ASD-SPRINK	TRANSFORMER SUPPLEMENTAL PANEL A, HEAT
29	QDS	QDS
30	PANEL	DEADB, GENERATOR PANEL

[illegible]

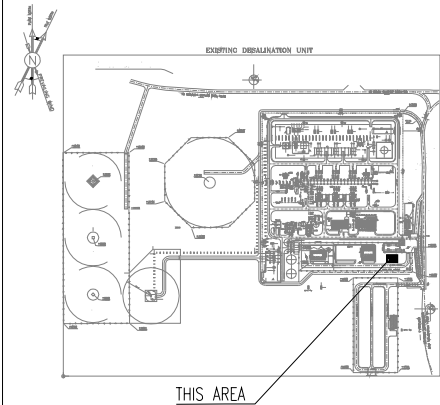


SWITCHGEAR ROOM EQUIPMENT		
ITEM	EQPT. NO.	DESCRIPTION
1	GCS-400-BDP-CCTV	CCTV DISTRIBUTION PANEL & HVAC

NOTES
1- ALL DIMENSION ARE IN "mm".
LEGEND

REFERENCE DRAWING	DRG. No.
ARCHITECTURAL DRAWING FOR CCTV CONTROL ROOM- BINAK GCS	BK-GCS-PEDCO-120-AR-DW-0008
ELECTRICAL OVERALL SINGLE LINE DIAGRAM	BK-GCS-PEDCO-120-EL-SL-0001
CCTV EQUIPMENT LAYOUT INSIDE CCTV CONTROL ROOM IN BINAK GCS	BK-GCS-PEDCO-120-IN-PY-0013

KEY PLAN

[illegible]



100	STORAGE
101	INSTRUMENT WORKSHOP
102	INSTRUMENT STORAGE
103	TOILET
104	ROOF
105	WALKWAY

D03	MAR.2024	IFA	H.SHAKIBA	M.FAKHANIAN	S.PARANMOZPOUR	** ** *	
D02	APR.2023	IFA	H.SHAKIBA	M.FAKHANIAN	M.MICHRSHAD	** ** *	
D01	OCT.2022	IFA	H.SHAKIBA	M.FAKHANIAN	M.MICHRSHAD	** ** *	
D00	MAY.2022	IPC	H.SHAKIBA	M.FAKHANIAN	M.MICHRSHAD	** ** *	
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	
PROJECT NAME: BINAQ OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSION STATION							
PROJECT NO.: 971020							
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):				
 HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES			 PETROIRAN DEVELOPMENT COMPANY				
DRAWING TITLE:							
ELECTRICAL EQUIPMENT ARRANGEMENT LAYOUT FOR BUILDING							
SCALE	A3	DRAWING NO.			SHEET NO.	REV.	
A8 SHOWN	A3	BK-GCS-PEDCÓ-120-EL-PY-O00B			06 OF 06	D06	

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REV.	DESCRIPTION	BY	DATE	BY	DATE									
		CHECKED		REV. APPR.										
اول و كليه نسخ اين نقشه و حق اقتباس متعلق به شركت ملي مناطق نفت خيز جنوب ميباشد.														
														
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BINAK OILFIELD DEVELOPMENT SURFACE FACILITIES GAS COMPRESSOR STATION														
DATB	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.	SHEET	REVISION									
0053-073-9184	F	2	P	708063	06 OF 05	D03								