TABLERO PP-001

TIPO	TAG	SECCION	CONDUIT	Ø	TABLERO
ETH /	PP-001	1C F/UTP CAT. 6-	CP-123	2"	PP-001
CI /	XS-802	1Pr 16AWG	CP-120	2"	
CI /	XS-801	1Pr 16AWG			

TABLERO TDR-001

TIPO	TAG	SECCION	CONDUIT	Ø	TABLERO
PW /	UCG-100	1C-3X10mm2	CP-127		TDR-001
PW /	CPF-001	1C-3X6mm2			
PW /	UCG-200	1C-3X10mm2	CP-128		
PW /	UCG-300	1C-3X10mm2			

GABINETE DE CONTROL GC

TIPO	TAG	SECCION	CONDUIT	Ø	TABLERO
CC /	FO-CCIV-1001	1C-4P#23AWG	CGC-01		GAB. DE CONT.
CC /	FO-CCIV-1000	1C-4P#23AWG			
CC /	FO-CCIV-1002	1C-4P#23AWG			
CC /	FO-CCIV-1003	1C-4P#23AWG			
ETH /	CR0-100	1C F/UTP CAT. 6-4Pr			
CC /	FO-UCG-100	1C F/UTP CAT. 6-4Pr			
CC /	FO-UCG-200	1C F/UTP CAT. 6-4Pr			
CC /	FO-UCG-300	1C F/UTP CAT. 6-4Pr			
ETH /	PP-001	1C CAT 6-4Pr	CGC-02		
ETH /	ESD/SCP	1C CAT 6-4Pr			
ETH /	D-500	1C CAT 6-4Pr			
ETH /	FQY-1035	1C CAT 6-4Pr			
ETH /	TBN-200	1C CAT 6-4Pr			
ETH /	PLC-A	1C CAT 6-4Pr			
ETH /	PLC-B	1C CAT 6-4Pr			

TABLERO CPF-001

TIPO	TAG	SECCION	CONDUIT	Ø	TABLERO
PW /	CPF-001	1C-3Pr6mm2	CP-130	2"	CPF-001
CI /	GND				
EIH /	TBN-200	1C F/UTP CAT. 6-			
EIH /	CRD-100	1C F/UTP CAT. 6-			
EIH /	FQY-1035	1C F/UTP CAT. 6-			
CI /	MED-PUUFQIT-1	1C-1Pr14AWG	CP-129	2"	
EIH /	CROMA	1C F/UTP CAT. 6-			
CI /	CROMA	1C-2Pr24AWG			
CI /	PW/CROMA	1C-1Pr14AWG			
CI /	MVS-100	1C-4Pr24AWG+BG			
CI /	PW/MVS-100	1C-1Pr14AWG+BG			
EIH /	FT-1035	1C F/UTP CAT. 6-			
CI /	PW/FT-1035	1C-1Pr14AWG+BG			
CI /	PW/MVS-1035	1C-1Pr14AWG+BG			
CI /	PW/MVS-201 O	1C-1Pr14AWG			
CI /	MVS-2010	1C-1Pr22AWG			
CI /	FT/MVS-1035	1C-2Pr23AWG+BG+SH			

GABINETE ESD/SCP-01

CONDUIT	Ø	TIPO	TAG	SECCION	TABLERO
C-114	2"	ETH /	ESD/SCP	1C F/UTP CAT. 6-	GABINETE DE ESD/SCP-01
		ETH /	PLC-A	1C F/UTP CAT. 6-	
		ETH /	PLC B	1C F/UTP CAT. 6-	
C-113	2"	CI /	ST-AP-01	1Cx1Pr16AWG	
		CI /	ST-GE-01	1Cx1Pr16AWG	
		CI /	PIT-1008	1C-1Pr16AWG+BG+SH	
C-110	2"	CI /	LSH-9010	1C-1Pr16AWG+BG	
		CI /	LSH-1001	1C-1Pr16AWG+BG	
		CI /	LSH-1002	1C-1Pr16AWG+BG	
		CI /	PDIT-1100	1C-1Pr16AWG+BG	
		CI /	LSHH-8040	1C-1Pr16AWG+BG	
C-109	2"	CI /	PIT-1031	1C-1Pr16AWG+BG+SH	
		CI /	PY-1031	1C-1Pr16AWG+BG+SH	
		CI /	TIT-1033	1C-1Pr16AWG+BG+SH	
C-108	2"	CI /	LSH-1260	1C-1Pr16AWG	
C-107	2"	CI /	TIT-1021	1C-1Pr16AWG+BG+SH	
		CI /	PIT-1013	1C-1Pr16AWG+BG+SH	
		CI /	PIT-2011	1C-1Pr16AWG+BG+SH	
		CI /	PY-1013	1C-1Pr16AWG+BG+SH	
		CI /	LSH-1002	1C-1Pr16AWG+BG+SH	
		CI /	LSH-1206	1C-1Pr16AWG+BG	
C-105	2"	CI /	LSH-1204	1C-1Pr16AWG+BG	
		CI /	PDIT-1200	1C-1Pr16AWG+BG	
		CI /	TIT-1016	1C-1Pr16AWG+BG+SH	
C-104	2"	CPC /	ESD/SCP-001	1C-3x6mm2	

CAMARA INSTRUMENTACIÓN 01

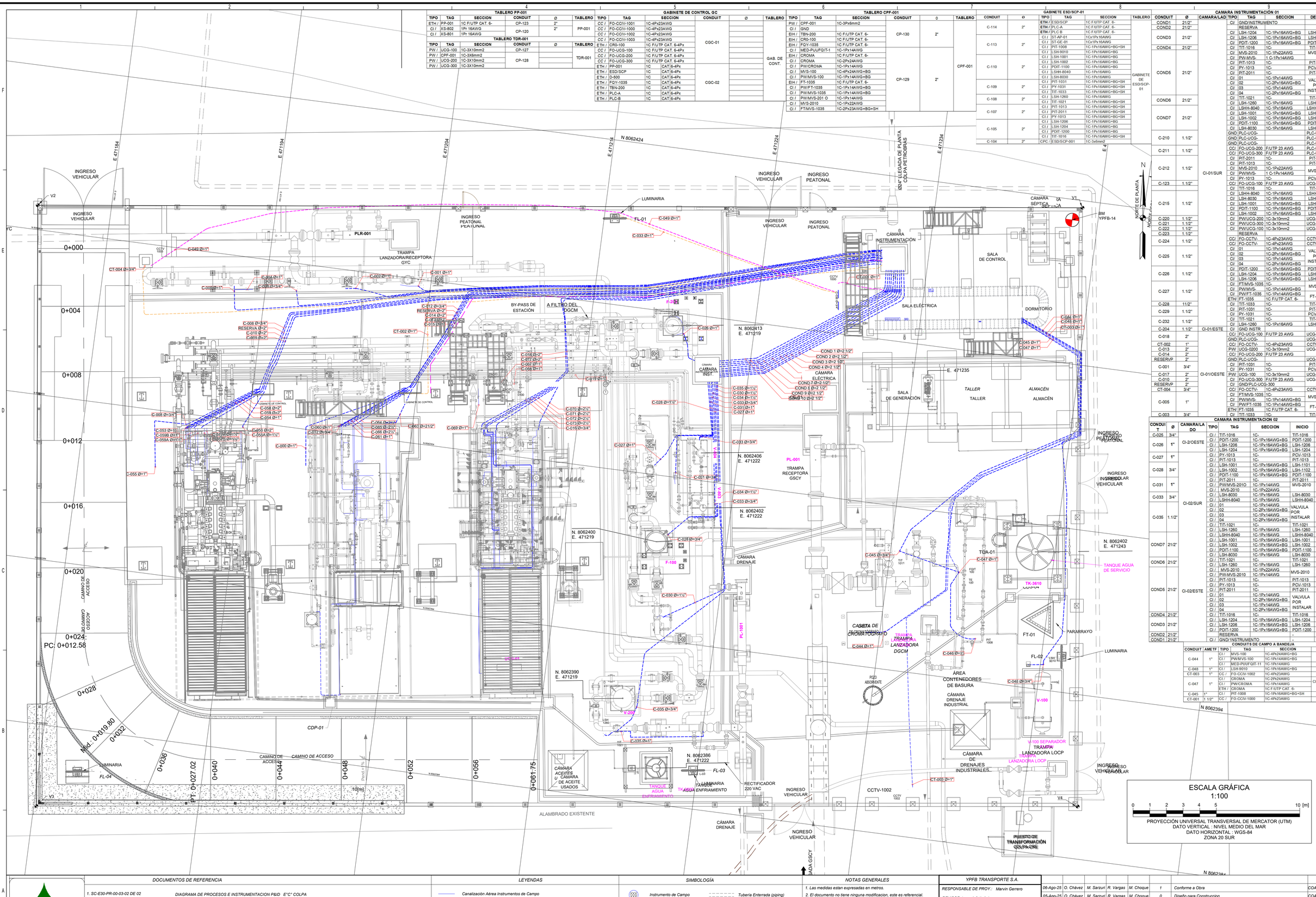
CONDUIT	Ø	CAMARA/LAD	TIPO	TAG	SECCION	DESDE	DESTI
COND1	21/2"	CI-01/SUR	CI/	GND/INSTRUMENTO	-	-	
COND2	21/2"			RESERVA	-	-	
COND3	21/2"		CI/	LSH-1204	1C-1Pr16AWG+BG	LSH-1204	ESD/
			CI/	LSH-1206	1C-1Pr16AWG+BG	LSH-1206	ESD/
			CI/	PDIT-1200	1C-1Pr16AWG+BG	PDIT-1200	ESD/
COND4	21/2"		CI/	PIT-1008	1C-	TIT-1016	ESD/
COND5	21/2"		CI/	MVS-2010	1C-1Px22AWG	MVS-2010	CPF-
			CI/	PW-MVS-	1 C-1Px14AWG		001
			CI/	PIT-1013	1C-	PIT-1013	ESD/
			CI/	PY-1013	1C-	PCV-1013	ESD/
			CI/	PIT-2011	1C-	PIT-2011	ESD/
			CI/	01	1C-1Px14AWG	VALVULA POR INSTALAR	ESD/ SCP- 001
			CI/	02	1C-2Px16AWG+BG		
			CI/	03	1C-1Px14AWG		
			CI/	04	1C-2Px16AWG+BG		
COND6	21/2"		CI/	TIT-1021	1C-	TIT-1021	ESD/
COND7	21/2"		CI/	LSH-1260	1C-1Pr16AWG	LSH-1260	ESD/
			CI/	LSH-1001	1C-1Pr16AWG+BG	LSH-1001	ESD/
			CI/	LSH-1002	1C-1Pr16AWG+BG	LSH-1002	ESD/
			CI/	PDIT-1100	1C-1Pr16AWG+BG	PDIT-1100	ESD/
			CI/	LSH-8030	1C-1Pr16AWG	LSH-8030	ESD/
C-210	1.1/2"		GND	PLC-UCG-		PLC-UCG-3	ESD/
			GND	PLC-UCG-		PLC-UCG-2	ESD/
			GND	PLC-UCG-		PLC-UCG-1	ESD/
C-211	1.1/2"		CC/	FO-UCG-200	F/UTP 23 AWG	PLC-UCG-2	GAB.
			CC/	FO-UCG-300	F/UTP 23 AWG	PLC-UCG-3	GAB.
C-212	1.1/2"		CI/	PIT-2011	1C-	PIT-2011	ESD/
			CI/	PIT-1013	1C-	PIT-1013	ESD/
			CI/	MVS-2010	1C-1Px22AWG	MVS-2010	CPF-
			CI/	PW/MVS-	1 C-1Px14AWG		001
			CI/	PY-1013	1C-	PCV-1013	ESD/
C-123	1.1/2"		CC/	FO-UCG-100	F/UTP 23 AWG	PLC-PLC-1	GAB.
			CI/	TIT-1016	1C-	TIT-1016	ESD/
C-215	1.1/2"		CI/	LSHH-8040	1C-1Pr16AWG	LSHH-8040	ESD/
			CI/	LSH-8030	1C-1Pr16AWG	LSH-8030	ESD/
			CI/	LSH-1001	1C-1Pr16AWG+BG	LSH-1001	ESD/
			CI/	PDIT-1100	1C-1Pr16AWG+BG	PDIT-1100	ESD/
			CI/	LSH-1002	1C-1Pr16AWG+BG	LSH-1002	ESD/
C-220	1.1/2"		CI/	PW/UCG-200	1C-3x10mm2	UCG-PLC-2	TDR-
C-221	1.1/2"		CI/	PW/UCG-300	1C-3x10mm2	UCG-PLC-3	TDR-
C-222	1.1/2"		CI/	PW/UCG-100	1C-3x10mm2	UCG-PLC-1	TDR-
C-223	1.1/2"			RESERVA			
C-224	1.1/2"		CC/	FO-CCTV-	1C-4P#23AWG	CCTV-1001	GAB.
			CC/	FO-CCTV-	1C-4P#23AWG	CCTV-1003	GAB.
C-225	1.1/2"		CI/	01	1C-1Px14AWG	VALVULA POR INSTALAR	ESD/ SCP- 001
			CI/	02	1C-2Px16AWG+BG		
			CI/	03	1C-1Px14AWG		
			CI/	04	1C-2Px16AWG+BG		
C-226	1.1/2"		CI/	PDIT-1200	1C-1Pr16AWG+BG	PDIT-1200	ESD/
			CI/	LSH-1204	1C-1Pr16AWG+BG	LSH-1204	ESD/
			CI/	LSH-1206	1C-1Pr16AWG+BG	LSH-1206	ESD/
C-227	1.1/2"		CI/	FT/MVS-1035	1C-	MVS1035	CPF- 001
			CI/	PW/MVS-	1C-1Pr14AWG+BG		
			CI/	PW/FT-1035	1C-1Pr14AWG+BG	FT-1035	
			ETH/	FT-1035	1C F/UTP CAT. 6-		
C-228	11/2"		CI/	TIT-1033	1C-	TIT-1033	ESD/
C-229	1.1/2"		CI/	PIT-1031	1C-	PIT-1031	ESD/
			CI/	PY-1031	1C-	PCV-1031	ESD/
C-232	1.1/2"		CI/	TIT-1021	1C-	TIT-1021	ESD/
C-204	1.1/2"	CI-01/ESTE	CI/	LSH-1260	1C-1Pr16AWG	LSH-1260	ESD/
C-018	2"		GND	GND INSTR			
CT-002	1"		CC/	FO-UCG-100	F/UTP 23 AWG	UCG-PLC-1	GAB.
C-013	2"		GND	PLC-UCG-		UCG-PLC-1	ESD/
C-014	2"		CC/	FO-CCTV-	1C-4P#23AWG	CCTV-1001	GAB.
RESERVP	2"		PW/	UCG-0200	1C-3x10mm2	UCG-PLC-2	ESD/
C-001	3/4"		CC/	FO-UCG-200	F/UTP 23 AWG		GAB.
			GND	PLC-UCG-		UCG-PLC-2	ESD/
			CI/	PIT-1031	1C-	PIT-1031	ESD/
			CI/	PY-1031	1C-	PCV-1031	ESD/
C-017	2"	CI-01/OESTE	PW/	UCG-100	1C-3x10mm2	UCG-PLC-1	ESD/
C-010	2"		CI/	FO-UCG-300	F/UTP 23 AWG	UCG-PLC-2	GAB.
RESERVP	2"		CI/	GND/PLC-UCG-300			
CT-004	3/4"		CC/	FO-CCTV-	1C-4Px23AWG	CCTV-1003	GAB.
C-005	1"		CI/	FT/MVS-1035	1C-	MVS-1035	CPF- 001
			CI/	PW/MVS-	1C-1Pr14AWG+BG		
			CI/	PW/FT-1035	1C-1Pr14AWG+BG	FT-1035	
			ETH/	FT-1035	1C F/UTP CAT. 6-		
C-003	3/4"		CI/	TIT-1033	1C-	TIT-1033	ESD/

CAMARA INSTRUMENTACION 02

CONDUIT	Ø	CAMARA/LADO	TIPO	TAG	SECCION	INICIO	DESTINO
C-026	3/4"	CI-2/OESTE	CI /	TIT-1016	1C-	TIT-1016	ESD/SCP-001
	1"		CI /	PDIT-1200	1C-1Px16AWG+BG	PDIT-1200	ESD/SCP-001
			CI /	LSH-1206	1C-1Px16AWG+BG	LSH-1206	ESD/SCP-001
			CI /	LSH-1204	1C-1Px16AWG+BG	LSH-1204	ESD/SCP-001
C-027	1"		CI /	PY-1013	1C-	PCV-1013	ESD/SCP-001
			CI /	PIT-1013	1C-	PIT-1013	ESD/SCP-001
C-028	3/4"		CI /	LSH-1001	1C-1Px16AWG+BG	LSH-1101	ESD/SCP-001
			CI /	LSH-1002	1C-1Px16AWG+BG	LSH-1102	ESD/SCP-001
			CI /	PDIT-1100	1C-1Px16AWG+BG	PDIT-1100	ESD/SCP-001
C-031	1"		CI /	PIT-2011	1C-	PIT-2011	ESD/SCP-001
			CI /	PW/MVS-201O	1C-1Px14AWG	MVS-2010	ESD/SCP-001
C-033	3/4"		CI /	MVS-2010	1C-1Px22AWG		
			CI /	LSH-8030	1C-1Px16AWG	LSH-8030	ESD/SCP-001
C-035	1.1/2"	CI-02/SUR	CI /	LSHH-8040	1C-1Px16AWG	LSHH-8040	ESD/SCP-001
			CI /	01	1C-1Px14AWG	VALVULA POR INSTALAR	ESD/SCP-001
			CI /	02	1C-2Px16AWG+BG		
			CI /	03	1C-1Px14AWG		
			CI /	04	1C-2Px16AWG+BG		
COND7	21/2"		CI /	TIT-1021	1C-	TIT-1021	ESD/SCP-001
			CI /	LSH-1260	1C-1Px16AWG	LSH-1260	ESD/SCP-001
			CI /	LSH-1001	1C-1Px16AWG+BG	LSH-1001	ESD/SCP-001
			CI /	LSH-1002	1C-1Px16AWG+BG	LSH-1002	ESD/SCP-001
			CI /	PDIT-1100	1C-1Px16AWG+BG	PDIT-1100	ESD/SCP-001
			CI /	LSH-8030	1C-1Px16AWG	LSH-8030	ESD/SCP-001
COND6	21/2"		CI /	TIT-1021	1C-	TIT-1021	ESD/SCP-001
			CI /	LSH-1260	1C-1Px16AWG	LSH-1260	ESD/SCP-001
COND5	21/2"	CI-02/ESTE	CI /	MVS-2010	1C-1Px22AWG	MVS-2010	CPF-001
			CI /	PW-MVS-2010	1C-1Px14AWG		
			CI /	PIT-1013	1C-	PIT-1013	ESD/SCP-001
			CI /	PY-1013	1C-	PCV-1013	ESD/SCP-001
			CI /	PIT-2011	1C-	PIT-2011	ESD/SCP-001
			CI /	01	1C-1Px14AWG	VALVULA POR INSTALAR	ESD/SCP-001
			CI /	02	1C-2Px16AWG+BG		
			CI /	03	1C-1Px14AWG		
			CI /	04	1C-2Px16AWG+BG		
COND4	21/2"		CI /	TIT-1016	1C-	TIT-1016	ESD/SCP-001
			CI /	LSH-1204	1C-1Pr16AWG+BG	LSH-1204	ESD/SCP-001
COND3	21/2"		CI /	LSH-1206	1C-1Pr16AWG+BG	LSH-1206	ESD/SCP-001
			CI /	PDIT-1200	1C-1Pr16AWG+BG	PDIT-1200	ESD/SCP-001
COND2	21/2"			RESERVA	-	-	
COND1	21/2"		CI /	GND/INSTRUMENTO	-		

CONDUITS DE CAMPO A BANDEJA

CONDUIT	AMETF	TIPO	TAG	SECCION	INICIO
C-044	1"	CI /	MVS-100	1C-4Pr24AWG+BG	MVS-100
		CI /	PW/MVS-100	1C-1Pr14AWG+BG	
		CI /	MED-PUUFQIT-11	1C-1Pr14AWG	MVS-100
C-048	1"	CI /	LSH-9010	1C-1Pr16AWG+BG	LSH-9010
CT-003	1"	CC /	FO-CCIV-1002	1C-4P#23AWG	CCIV-1002
C-047	1"	CI /	CROMA	1C-2Pr24AWG	CROMATOGRAFO
		CI /	PW/CROMA	1C-1Pr14AWG	
		ETH /	CROMA	1C F/UTP CAT. 6-	
C-045	1"	CI /	PIT-1008	1C-1Pr16AWG+BG+SH	PIT-1008
CT-001	1 1/2"	CC /	FO-CCIV-1000	1C-4P#23AWG	CCIV-1000



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DOCUMENTOS DE REFERENCIA

1. SC-E30-PR-00-03-02 DE 02 — DIAGRAMA DE PROCESOS E INSTRUMENTACION P&ID E"C" COLPA
2. SC-E30-PR-00-03-01 de 02 — DIAGRAMA DE FLUJO DE PROCESO PFD E"C" COLPA

LEYENDAS

- Canalización Aérea Instrumentos de Campo
- Canalización Enterrada Instrumentos de campo
- Canalización Enterrada Sistema Cerrado de TV (CCTV)
- Canalización Enterrada Fibra Óptica

SIMBOLOGÍA

- Instrumento de Campo
- Poste Metalico de 6 Mts
- Caja de Paso GRX
- Caja de Paso GRT
- Caja de Paso GRL
- Tuberia Enterrada (piping)
- Tuberia Aérea (piping
- Enmallado Perimetral
- Alambrado

NOTAS GENERALES

1. Las medidas estan expresadas en metros.
2. El documento no tiene ninguna modificacion, este es referencial.
3. El sistema de precalentador de la UCG-03 se alimenta con 380VAC y 220VAC, debido a la ubicación geográfica y en coordinación con YPFB TR se dejo el equipo sin conexión física.

YPFB TRANSPORTE S.A.	
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FECHA	DIBUJO	REVISION Calidad	REVISION Técnico	APROBÓ	REV.N°	DESCRIPCIÓN	EMPRESA
06-Ago-25	O. Chávez	M. Sarzuri	R. Vargas	M. Choque	1	Conforme a Obra	COAPECOM SRL
05-Ago-25	O. Chávez	M. Sarzuri	R. Vargas	M. Choque	0	Diseño para Construccion	COAPECOM SRL

Ubicación: Estación Colpa (Sta.Cruz)
Etapa: Conforme a Obra
Código: SC-E30-IC-01-05-01 de 01
Proyecto: Traslado de una UGC de Estación de Compresión Huayñacota a Estación de Compresión Colpa
Escala: 1:100
Título del Plano: Layout General Instalación de Instrumentación, Control y Comunicación
Formato: A1 : 594 mm x 841 mm

Formato DIN, A1 - YPFB TRANSPORTE S.A. Rev 4