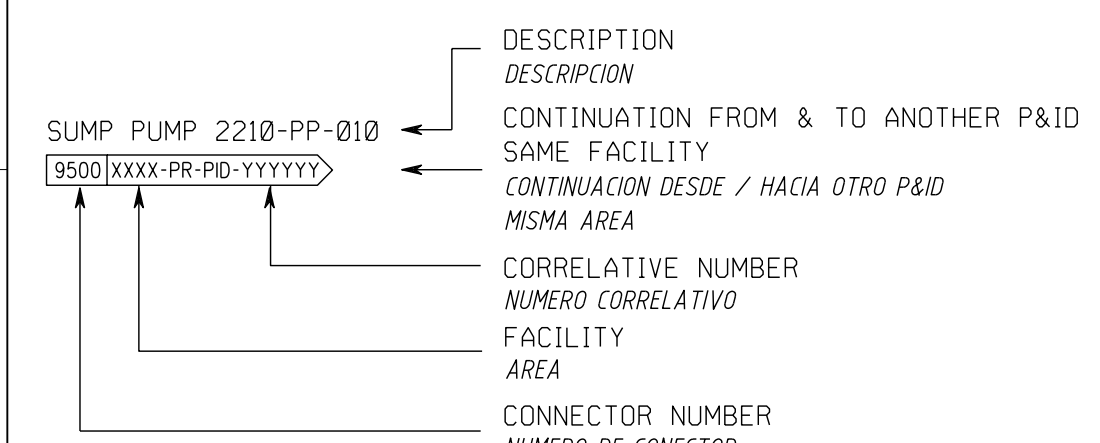
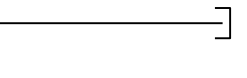
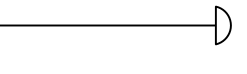
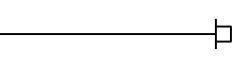
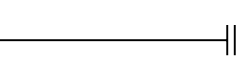
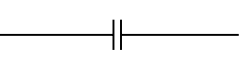
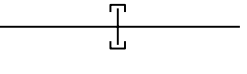
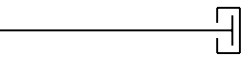
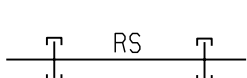


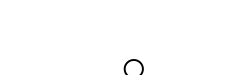

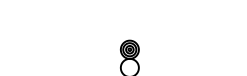
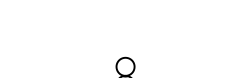
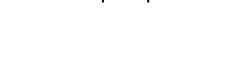



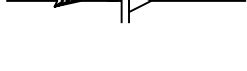

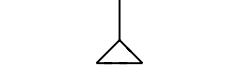


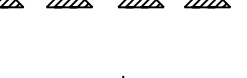

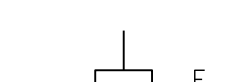
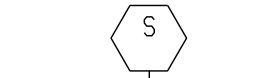
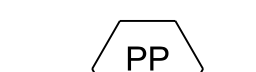
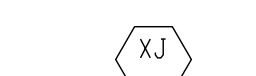
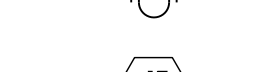

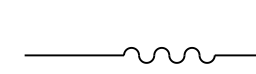


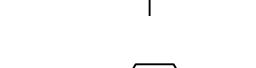
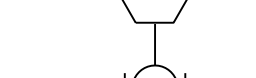



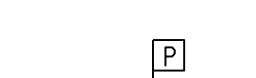
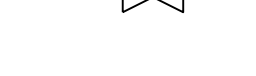

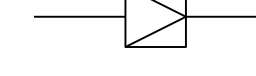
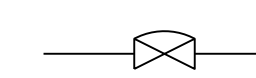


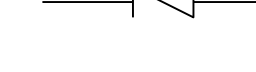
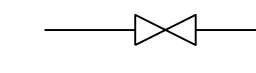
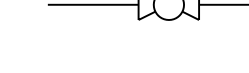
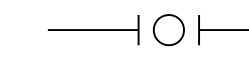





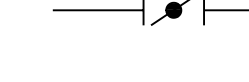
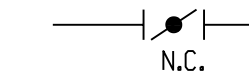
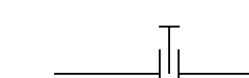

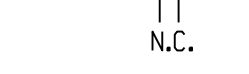


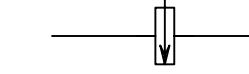
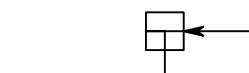

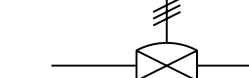


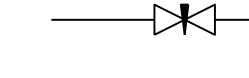
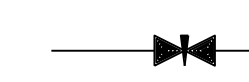

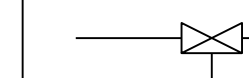
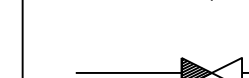

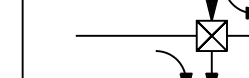









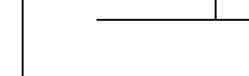







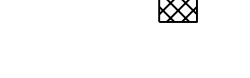


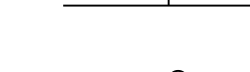
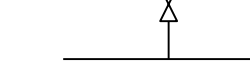


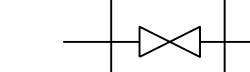


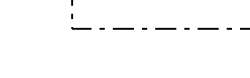

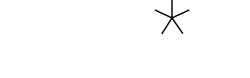


# PIPING SYMBOLS

## *SIMBOLOGIA DE CAÑERÍAS*

	SYMBOLS SIMBOLOS	DESCRIPTION DESCRIPCION	SYMBOLS SIMBOLOS	DESCRIPTION DESCRIPCION	SYMBOLS SIMBOLOS	DESCRIPTION DESCRIPCION	SYMBOLS SIMBOLOS	DESCRIPTION DESCRIPCION	SYMBOLS SIMBOLOS	DESCRIPTION DESCRIPCION
A		DESCRIPTION DESCRIPCION CONTINUATION FROM & TO ANOTHER P&ID SAME FACILITY CONTINUACION DESDE / HACIA OTRO P&ID MISMA AREA CORRELATIVE NUMBER NUMERO CORRELATIVO FACILITY AREA CONNECTOR NUMBER NUMERO DE CONECTOR LINE DESIGNATION IDENTIFICACION DE LINEA 2210-RW-8"-C1E2A-10000 LINE NUMBER SEQUENTIAL NUMERO CORRELATIVO MATERIAL CLASS DESIGNATION CLASE DE MATERIAL LINE SIZE DIAMETRO NOMINAL SERVICE CLASS SERVICIO FACILITY NUMBER NUMERO DE AREA VALVE DESIGNATION IDENTIFICACION DE VALVULA V-40000 VALVE NUMBER SEQUENTIAL NUMERO SECUENCIAL DE VALVULA TIE-IN DESIGNATION IDENTIFICACION TIE-IN WP[XX] (EXIST. LINE) (LINEA EXIST.) WP[YY] (NEW LINE) (LINEA NUEVA) TP 2210 5001 TIE-IN DISCIPLINE - TIE-IN DISCIPLINA FACILITY - AREA CORRELATIVE NUMBER - NUMERO SECUENCIAL	 CAP, THREADED TAPA GORRO, ROSCADO  CAP, WELDED TAPA GORRO, SOLDADO  PLUG TAPON  BLIND FLANGE FLANGE CIEGO  FLANGE UNION UNION ENFLANCHADA  VICTAULIC COUPLING UNION VICTAULIC  VICTAULIC CAP TAPA GORRO VICTAULIC  REMOVABLE PIPE SPOOL, VICTAULIC CARRETE REMOVIBLE, VICTAULIC  REMOVABLE PIPE SPOOL, FLANGED CARRETE REMOVIBLE, ENFLANCHADO  DRESSER COUPLING UNION DRESSER  BLIND SPACER, OPEN ESPACIADOR CIEGO, ABIERTO  BLIND SPACER CLOSED ESPACIADOR CIEGO, CERRADO  BLIND SPECTACLE, OPEN FLANGE ANTEJO, ABIERTO  BLIND SPECTACLE, CLOSED FLANGE ANTEJO, CERRADO  REDUCER CONCENTRIC REDUCCION CONCENTRICA  REDUCER ECCENTRIC REDUCCION ECCENTRICA  STARTUP STRAINER, TEMPORARY FILTRO TEMPORAL  REDUCING FLANGE FLANGE REDUCTOR  EXPANSION FLANGE FLANGE DE EXPANSION  DUST COLLECTING POINT PUNTO DE CAPTACION DE POLVO Y/O GASES  DUST SUPRESOR SUPRESOR DE POLVO  SPRAY NOZZLES BOQUILLAS ROCIADORAS  OPEN DRAIN DRENAJE ABIERTO  MOISTURE TRAP TRAMPA DE HUMEDAD  SILENCER SILENCIADOR  MIXING TEE TE DE MEZCLA	 MANUAL SAMPLING POINT PUNTO DE MUESTREO MANUAL  PRESSURE MEASUREMENT POINT PUNTO DE MEDICION DE PRESION  EXPANSION JOINT JUNTA DE EXPANSION  INSULATING FLANGE FLANGE DE AISLACION  RUBBER HOSE, PROCESS PIPING MANGUERA DE GOMA, CAÑERIA DE PROCESO  RUBBER HOSE, NON-PROCESS PIPING MANGUERA FLEXIBLE, CAÑERIA DE SERVICIO  WYE STRAINER FILTRO TIPO Y (STRAINER)  RESTRICTION ORIFICE ORIFICIO DE RESTRICCION  BASKET STRAINER (SINGLE) FILTRO DE CANASTA (UNITARIO)  IN-LINE MIXER MEZCLADOR EN LINEA  AIR RELEASE VAC. BREAKER LIBERADOR DE AIRE ROMPEDOR DE VACIO  POST INDICATOR VALVE VALVULA CON POSTE INDICADOR  FLEX JOINT UNION FLEXIBLE  RUPTURE DISC DISCO DE RUPTURA  DIAPHRAGM VALVE VALVULA DE DIAFRAGMA  DIAPHRAGM-NORMALLY CLOSED VALVULA DE DIAFRAGMA NORMALMENTE CERRADA  CHECK VALVE FLOW L TO R VALVULA DE RETENCION FLUJO DE IZQ. A DER  GATE VALVE VALVULA DE COMPUERTA  GATE-NORMALLY CLOSED VALVULA DE COMPUERTA NORMALMENTE CERRADA  GLOBE VALVE VALVULA DE GLOBO  GLOBE-NORMALLY CLOSED VALVULA DE GLOBO NORMALMENTE CERRADA  CHAMBER CAMARA	 BALL CONTROL VALVE VALVULA DE CONTROL TIPO BOLA  BALL VALVE VALVULA DE BOLA  BALL-NORMALLY CLOSED VALVULA DE BOLA NORMALMENTE CERRADA  PLUG CONTROL VALVE VALVULA DE CONTROL TIPO CONO  PLUG VALVE VALVULA DE CONO  PLUG-NORMALLY CLOSED VALVULA DE CONO NORMALMENTE CERRADA  BUTTERFLY VALVE VALVULA DE MARIPOSA  BUTTERFLY-NORMALLY CLOSED VALVULA DE MARIPOSA NORMALMENTE CERRADA  KNIFE GATE OR SLIDE GATE VALVULA DE CUCHILLO MANUAL  KNIFE GATE-NORMALLY CLOSED VALVULA DE CUCHILLO MANUAL NORMALMENTE CERRADA  INDICATES BLOCK VALVE REQUIREMENT AT INSTRUMENT OR SAMPLE POINT INDICA REQUERIMIENTO VALVULA DE CORTE EN INSTRUMENTOS O PUNTO DE MUESTREO  KNIFE GATE W/ACTUATOR HYDRAULIC OR PNEUMATIC VALVULA DE CUCHILLO CON ACTUADOR HIDRAULICO O NEUMATICO  BUTTERFLY VALVE W/ACTUATOR HYDRAULIC OR PNEUMATIC VALVULA DE MARIPOSA CON ACTUADOR HIDRAULICO O NEUMATICO  ADJUSTABLE BACKPRESSURE VALVE, SPRING LOADED DIAPHRAGM VALVE VALVULA DE DIAFRAGMA REGULADORA DE PRESION CON DIAFRAGMA ACCIONADO POR RESORTE  ADJUSTABLE BACKPRESSURE VALVE, SPRING LOADED CHECK VALVE, FLOW LEFT TO RIGHT VALVULA DE RETENCION REGULADORA DE PRESION, ACCIONADO POR RESORTE, FLUJO DE IZQUIERDA A DERECHA  NEEDLE VALVE VALVULA AGUJA  NEEDLE-NORMALLY CLOSED VALVULA AGUJA NORMALMENTE CERRADA  PINCH VALVE VALVULA PINCH  PINCH VALVE NORMALLY CLOSED VALVULA PINCH NORMALMENTE CERRADA  PINCH VALVE BODY CAVITY (MUSCLE) TYPE VALVULA PINCH TIPO MUSCULO  Y-STOP CHECK VALVE VALVULA DE RETENCION Y-STOP  ANGLE VALVE VALVULA DE ANGULO  RELIEF VALVE VALVULA DE ALIVIO	 THREE WAY VALVE VALVULA DE TRES VIAS  THREE WAY NORMALLY CLOSED PORT VALVULA DE TRES VIAS PUERTO CERRADO  FOUR WAY VALVE VALVULA DE CUATRO VIAS  DART VALVE, W/ELECTRIC ACTUATOR VALVULA DE DARDO CON ACTUADOR ELECTRICO  DART VALVE MANUALLY OPERATED VALVULA DE DARDO MANUAL  EMERGENCY SHOWER W/EYE-WASH DUCHA DE EMERGENCIA CON LAVAJOS  DART VALVE VALVULA DE DARDO  PULSATION DAMPENER, SURGE ARRESTOR AMORTIGUADOR DE PULSACION  FLAME ARRESTOR CORTADOR DE LLAMA  HOSE CABINET & FIRE EQUIPMENT GABINETE MANGUERA Y EQUIPO CONTRA INCENDIO  HOSE STATION ESTACION DE MANGUERA  FIRE HYDRANT HIDRANTE / GRIFOS  EYE-WASH LAVAJOS  FIRE MONITOR MONITOR CONTRA INCENDIO  SUMP STRAINER FILTRO DE SUCCION  STRAINER FILTRO  WATER SEPARATOR W/AUTOMATIC DRAIN SEPARADOR DE AGUA C/DRENAJE AUTOMATICO  LUBRICATOR LUBRICADOR  CALIBRATION COLUMN COLUMNA DE CALIBRACION	 ADJUSTABLE PRESSURE REGULATOR REGULADOR DE PRESION AJUSTABLE  AIR FILTER FILTRO DE AIRE  AIR LINE FILTER FILTRO DE AIRE EN LINEA  AUTOMATIC VENT VALVE, W/BLOCK VALVE VALVULA DE VENTEO AUTOMATICO, CON VALVULA DE CORTE  MANUAL VENT, W/BLOCK VALVE VENTEO MANUAL, CON VALVULA DE CORTE  ATMOSPHERIC VENT VENTILACION ATMOSFERICA  VALVES CHAMBER CAMARA DE VALVULAS  EQUIPMENT PACKAGE; ALL PIPING, VALVES, INSTRUMENTS, ETC. INSIDE THIS AREA ARE SUPPLIED BY VENDOR OR FURNISHED WITH ASSOCIATED EQUIPMENT PAQUETE DE EQUIPOS. TODAS LAS CAÑERIAS, VALVULAS, INSTRUMENTOS, ETC. DENTRO DE ESTA AREA SON SUMINISTRADOS POR EL VENDEDOR O PROVISTOS CON LOS EQUIPOS ASOCIADOS  INDICATES ITEM FURNISHED WITH ASSOCIATED EQUIPMENT (OUTSIDE OF EQUIPMENT PACKAGE BOUNDARY) INDICA ARTICULO SUMINISTRADO CON EQUIPO RELACIONADO (FUERA DEL LIMITE DEL PAQUETE DEL EQUIPO)  ANY VALVE CUALQUIER VALVULA L.O. LO - LOCKED OPEN - BLOQUEADA ABIERTA LC - LOCKED CLOSED - BLOQUEADA CERRADA NO - NORMALLY OPEN - NORMALMENTE ABIERTA NC - NORMALLY CLOSED - NORMALMENTE CERRADA FO - FAIL OPEN - FALLA ABIERTA FC - FAIL CLOSED - FALLA CERRADA FL - FAIL LAST (IN LAST POSITION) - FALLA EN ULTIMA POSICION FI - FAIL INDETERMINATE - FALLA INDETERMINADA  BATTERY LIMIT LIMITE DE BATERIA  FUTURE FUTURO  UNCLASSIFIED EQUIPMENT. IT IS USED TO REPRESENT ANY SPECIAL EQUIPMENT EQUIPO NO CLASIFICADO. ES USADO PARA REPRESENTAR CUALQUIER EQUIPO ESPECIAL  INDICATION FOR AREA LIMITS INDICACION PARA LIMITES DE AREA  GROUND CONNECTION CONEXION A TIERRA			
<div><div><div>Fluor-Salfa</div><div>BHP</div><div>MINERA SPENCE S.A.</div></div><div><div>PARA REVISION FOR REVIEW</div><div>DATE 01/01/2024</div></div></div>										

[illegible]