

**GALMOY MINE PROCESS PLANT  
PURCHASE LIST**

Plant Item No.	Description	Location	Type	Model	Serial No.	Notes
00-001-	REAGENT AREA SAFETY SHOWER	C-REAGENT	SAFETY SHOWERS	UNHEATED	6248	
00-002-	COPPER SULPHATE AREA SAFETY SHOWER	C-REAGENT	SAFETY SHOWERS	UNHEATED	6249	
00-003-	SULPHURIC ACID AREA SAFETY SHOWER	C-ZN THICKENERS	SAFETY SHOWERS	HEATED		
00-005-	DRUM TILTING DEVICE	C-REAGENT				
00-005A-	BARREL CRADLE	C-MILL				
00-006-	ZINC SULPHATE BAG SPLITER	C-REAGENT				
00-007-	COPPER SULPHATE BAG SPLITER	C-REAGENT				
00-010-	LEACH TANK AREA SAFETY SHOWER	C-ZN THICKENERS	SAFETY SHOWERS	HEATED	000	
00-011-	H2S04 LOADOUT AREA SAFETY SHOWER	C-ZN THICKENERS	SAFETY SHOWERS	HEATED		
00-015-	PYRITE AREA SAFETY SHOWER	C-PYRITE AREA	SAFETY SHOWER	UNHEATED		
01-001-	CONVEYOR TUNNEL SUMP PUMP	C-MILL	WARMAN	65 QV-SP	WP 24511	
01-004-	PRIMARY CYCLONEFEED PUMP No 1 (8" X 6")	C-MILL	WARMAN	EE-AH	WP24512	
01-005-	PRIMAR CYCLONE FEED PUMP No 2 (8" X 6")	C-MILL MCC 201 DRAWER GA	WARMAN	EE-AH	WP24513	
01-006-	GRINDING AREA SUMP PUMP	C-MILL	WARMAN	65 QV-SP	WP24514	
01-007-	PB ROUGHER CONCENTRATE PUMP NO.1, 6" X 4"	C-FLOATATION	WARMAN	C-AH	WP 24551	
01-007A-	PB ROUGHER CONCENTRATE PUMP NO.2, 4 X 3	C-FLOATATION	WARMAN	C-AH	000	
01-007B-	PB ROUGHER CONCENTRATE PUMP NO.3, 4 X 3	C-FLOATATION	WARMAN	C-AH	000	
01-008A-	PB ROUGHER TAILS PUMP NO.2, 6 X 4	C-FLOATATION	WARMAN	DAH		
01-008B-	PB ROUGHER TAILS PUMP NO.1, 6" X 4"	C-FLOTATION MCC 202 DRAWER DA	WARMAN	D-AH	WP24516	
01-009-	PB COLUMN UNDERFLOW PUMP.	C-FLOTATION MCC 201 DRAWER HC	WARMAN	C-AH	WP24338	
01-010-	PB COLUMN AIR SPARGER PUMP	C-FLOTATION MCC 202 DRAWER HC	WARMAN	4 X 3		
01-011-	LEAD AREA FLOOR SUMP PUMP	C-FLOTATION MCC 202 DRAWER HE	WARMAN	40 PV-SP	WP24519	
01-012-	SCALPER CONCENTRATE PUMP	C-FLOTATION MCC202 DRAWER JF	WARMAN	D-AH		
01-013-	ZINC ROUGHER CONCENTRATE PUMP 6" X 4"	C-FLOTATION MCC 202 DRAWER HF	WARMAN	D-AHF	WP24520	
01-014A-	ZN REGRIND CYCLONE FEED PUMP 6" X 4"	C-MILL	WARMAN	D-AH		
01-014B-	ZN REGRIND CYCLONE FEED PUMP 6" X 4"	C-MILL	WARMAN	D-AH		
01-016-	ZINC AREA FLOOR SUMP PUMP	C-FLOTATION MCC 202 DRAWER HG	WARMAN	65 QV-SP	WP24523	
01-018-	ZINC REGRIND SUMP PUMP	C-FLOTATION	WARMAN	40 PV-SP	WP24525	
01-019-	ZINC CLEANER 1st. TAILS PUMP 6" X 4"	C-FLOTATION MCC 202 DRAWER GA	WARMAN	C-AH	000	
01-021-	ZINC THICKENER U/FLOW PUMP 2" X 1 1/2"	C-ZN THICKENERS	WARMAN	B-AH	WP24529	
01-021A-	ZN THICKENER U/FLOW PUMP NO.2, 3" X 2"	C-ZN THICKENERS	WARMAN	C-AH	WP-40139. 04/08/06.	
01-024-	ZINC FILTRATE PUMP 2" X 1 1/2"	C-FILTERS	WARMAN	B-AH	WP24530	
01-025-	COLUMN SPARGE WATER PUMP 3" X 2"	C- AUXILIARY	WARMAN	CSH	WP24552	
01-027-	ZINC DEWATERING AREA SUMP PUMP	C-ZN THICKENERS	WARMAN	40 PV-SPR	WP24531	
01-028-	ZINC THICKENER O/FLOW PUMP 3" X 2"	C-ZN THICKENERS	WARMAN	C-AH	WP26558	
01-029-	LEAD THICKENER U/FLOW PUMP 1 1/2" X 1"	C-PB THICKS MCC203EXT DRAW BA	WARMAN	B-AH	WP24533	
01-029A-	GLAND WATER SEAL PB THICKENER U/FLOW PUMP	C-PB THICKENERS	GRUNFOSS	CR3-11		
01-033-	LEAD DEWATERING AREA SUMP PUMP	C-PB THICKENERS	WARMAN	40 PV-SP	WP25026	
01-034-	LEAD THICKENER O/FLOW PUMP 4 X 3	C-PB THICKENERS	WARMAN	D-AH	WP30110	
01-035-	FINAL TAILINGS PUMP No 1 (6" X 4")	C-TAILINGS MCC 202 DRAWER CA	WARMAN	EE-AH	WP24546	
01-036-	FINAL TAILINGS PUMP No 2 (6" X 4")	C-TAILINGS MCC202 DRAWER IG	WARMAN	EE-AH	WP24547	
01-043-	SIPX CIRCULATION PUMP NO. 2, 1 1/2" X 1"	C-REAGENT	GIRDLESTONE	19 QS 2G	60943	
01-044-	SIPX TRANSFER PUMP NO.1, 2" X 1 1/2"	C-REAGENT	GIRDLESTONE	10 AS 2G	60944	
01-046-	COPPER SULPHATE CIRCULATION PUMP 1 1/2" X 1"	C-REAGENT	GIRDLESTONE	09 OS 2G	60945	
01-047-	ZINC SULPHATE TRANSFERR PUMP 1 1/2" X 1"	C-REAGENT MCC-205 EF	GIRDLESTONE	19 QS 2G	60947	
01-048-	DANAFLOT 507 PUMP 1 1/2" X 1"	C-REAGENT	GIRDLESTONE	19 QS 2G	60948	
01-049-	Zn FLOCCULANT DOSING PUMP No 1	C-REAGENT	ALLIED COLLOIDS	SB15R5/H110	C326136/02	
01-051-	DANAFLOAT PUMP 1 1/2" X 1"	C-REAGENT	GIRDLESTONE	19 QS 2G	60950	
01-052-	MIBC PUMP 1 1/2" X 1"	C-REAGENT	GIRDLESTONE	19 QS 2G	60951	
01-054-	FLOCCULANT DOSING PUMP No 2	C-REAGENT	ALLIED COLLOIDS	CGH	C319338/08	
01-055-	LIME CIRCULATION PUMP 1 1/2" X 1"	C-REAGENT	WARMAN	B-AH	WP24783	
01-056-	SODA ASH TRANSFER PUMP 1.5 X 1"	C-REAGENT	WARMAN	B-AH	WP24544	
01-057-	SULPHURIC ACID TK. BUND PUMP	C-ZN THICKENERS	INGERSOLL RAND / ARO	666183-344-C	GO19678	
01-057A-	SULPHURIC ACID CIRC. PUMPS BUND PUMP	C-ZN THICKENERS	TAPFLO AB	AODD T200PTT		
01-058-	SULPHURIC ACID CIRCULATING PUMP	C-ZN THICKENERS	BRAN & LUEBBE	DS 850/100	0009123451/SP9128217	
01-059-	REAGENT AREA SUMP PUMP	C-REAGENT	WARMAN	40 PV-SP	WP24540	
01-097-	COPPER SULPHATE TRANSFER PUMP 2" X 1 1/2"	C-REAGENT	GRUNDFOS	11 BS 2G	60957	
01-098-	FLOCCULANT DOSING PUMP No 1A (PB)	C-REAGENT	**GIRDLESTONE	VAM B12017NP1000A110		
01-100-	ZN SULPHATE CIRCULATION PUMP	C-REAGENT	GIRDLESTONE	19.QS.2G	60947	

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01-104-	GLAND SEALING WATER PUMP - PB COLUMN TAILS	C-FLOTATION	CR3-10A-FGJ-A-E-HQQE	A96516657P20630	0001	
01-112-	PB CLEANER CONCENTRATE PUMP 4 X 3.	C-FLOTATION MCC 202 DRAWER IC	WARMAN	C-AH	WP24542	
01-115-	MSA ZN ROUGHER SCAV. TAILS SAMPLE PUMP 1½" X 1"	C-FLOTATION	WARMAN	B-AH	WP25018	
01-120-	ZINC FILTER CLOTH WASH PUMP	C-FLOTATION	DURCO	MARK III ANSI	420575	
01-123-	COURIER TAILS SAMPLE RETURN PUMP	C-FLOTATION				
01-124-	BALL MILL SCATS O/F PUMP	C-FLOTATION				
01-126-	ZN FINAL TAILS SAMPLE PUMP	C-FLOTATION				Was 01-125
01-127A-	VACUUM PUMP NO.1 COURIER	C-FLOTATION		Template		
01-127B-	VACUUM PUMP NO.2 COURIER	C-FLOTATION		Template		
01-130-	ZN ROUGHER TAILS PUMP 6" X 4"	C-FLOTATION MCC 202 DRAWER EA	WARMAN	D-AH	WP24537	
01-131-	ZN ROUGHER SCAV. CONCENTRATE PUMP 4" X 3"	C-FLOTATION MCC202 DRAWER JD	WARMAN	C-AH	WP24538	
01-132-	ZINC ROUGHER SCAV. TAILINGS PUMP 6" X 4"	C-FLOTATION MCC 202 DRAWER FA	WARMAN	D-AH	WP24539	
01-134-	ZINC FINAL CONCENTRATE PUMP 8" X 6"	C-FLOTATION MCC 202 DRAWER HI	WARMAN	E-AH	WP24528	
01-144-	PB CLEANER COLUMN FEED PUMP.	C-FLOTATION	WARMAN	C-AH	WP24543	
01-149-	SULPHURIC ACID LOADING AREA SUMP PUMP	C-ZN THICKENERS	DIAPHRAGM	BLAGDON	000	
01-150-	ZN CLEANER 1B PUMP 6" X 4"	C-FLOTATION MCC 202 DRAWER JE	WARMAN	D-AH		
01-152-	ZN CLEANER 1st. CON. PUMP 6" X 4"	C-FLOTATION MCC 202 DRAWER NF	WARMAN	D-AHF		
01-153-	ZN CLEANER SCAVENGER CONC. PUMP 6" X 4"	C-FLOTATION MCC 202 DRAWER NG	WARMAN	D-AHF		
01-154-	ZN ROUGHER SCAV. TAILINGS PUMP 6" X 4"	C-FLOTATION MCC 202 DRAWER EF	WARMAN	D-AH		
01-155-	ZN ROUGHER SCAVENGER AREA YARD SUMP PUMP	C-FLOTATION	WARMAN	65-QV SP		
01-156-	ZN ROUGHER SCAV. AREA SUMP PUMP	C-FLOTATION	WARMAN	40 PV SP		
01-157-	PYRITE SULPHURIC ACID DOSING PUMP	C-FLOTATION	BRAN & LUEBBE	DS 850/200	9112120	
01-166-	ZN CLEANER 2nd.. CONC PUMP.	C-FLOTATION	WARMAN	D-AHF		
01-175-	ZINC LEACH CONCENTRATE PUMP	C-ZN THICKENERS	WARMAN	E-AH	WP29730	
01-605-	TAILINGS AREA SUMP PUMP	C-TAILINGS	WARMAN	40 PV SP		
01-606-	TAILS FLOCCULANT DOSING PUMP	C-TAILINGS	ALLIED COLLOIDS	CGF	C323745/11	
02-001-	PB FLOATATION COMPRESSOR	C-COMPRESSOR HOUSE	COMPAIR	CYCLONE 222	SP6889-1	
02-002-	PLANT AIR COMPRESSOR No 1	C-COMPRESSOR HOUSE	BROOMWADE	6220N08A	SP6477-1	
02-003-	PLANT AIR COMPRESSOR No 2	C-COMPRESSOR HOUSE	BROOMWADE	6220N08A	SP6476-1	
02-004-	INSTRUMENT AIR DRYER	C-COMPRESSOR HOUSE				
02-005-	PLANT AIR COMPRESSOR No 3	C-COMPRESSOR HOUSE	BROOMWADE	6220N08A	SP6475-1	
02-006-	PLANT AIR COMPRESSOR No 4	C-COMPRESSOR HOUSE	BROOMWADE	6220N08A	SP6478-1	
02-007-	INSTRUMENT AIR COMPRESSOR	C-COMPRESSOR HOUSE	COMPAIR	L75SR-13	100009113-0028.	
03-001-	CYANIDE EXHAUST FAN	C-REAGENT	VENTAC			
03-002-	REAGENT MIX TANK EXHAUST FAN	C-REAGENT				
03-003-	REAGENT HEAD TANK EXHAUST FAN	C-REAGENT	VENTAC			
03-004-	AIR MOVER FAN NO. 1 S.E.	C-MILL				
03-005-	AIR MOVER FAN NO.2 S.W.	C-MILL				
03-008-	AIR MOVER FAN NO.3 N.E.	C-MILL				
03-009-	AIR MOVER FAN NO.4 N.W.	C-MILL				
04-001-	PRESSURE FILTER AIR RECEIVER	C-FILTERS	ABBOT, NEWARK, U.K.		41394	
04-002-	LEAD FILTER AIR RECEIVER	C-FILTERS	ABBOT, NEWARK, U.K.		41379	
04-003-	PLANT AIR RECEIVER	C-COMPRESSOR HOUSE	ABBOT, NEWARK, U.K.		41408	
04-004-	INSTRUMENT AIR RECEIVER	C-COMPRESSOR HOUSE	ABBOT, NEWARK, U.K.		41408	
04-007-	PB SCALPER CELL AIR RECEIVER	C-COMPRESSOR HOUSE	500-10284, V			
06-005-	ZINC CONC. LEACH TANK AGITATOR No1	C-ZN THICKENERS	Lightning	17Q-15	DE0174699	
06-006-	ZINC CONC. LEACH TANK AGITATOR No 2	C-ZN THICKENERS	LIGHTNING	17Q-15	82310686	
06-007-	ZINC CONC. LEACH TANK AGITATOR No 3	C-ZN THICKENERS	LIGHTNING	17Q-15	1035769-1	
06-008-	ZINC CONC. LEACH TANK AGITATOR No 4	C-ZN THICKENERS	LIGHTNING	17Q - 15	1035769-2	
06-009-	ZINC FILTER FEED STOCK TANK AGITATOR	C-ZN THICKENERS	WEMCO	3811	605205	
06-010-	LEAD FILTER STOCK TANK AGITATOR	C-PB THICKENERS	SUMITOMO	LVYMS.3B145.G.F5.T	UK0003106	
06-014-	SIPX HOLDING TANK AGITATOR	C-REAGENT	WEMCO	POG	605209	
06-015-	SIPX MIXING TANK AGITATOR	C-REAGENT	WEMCO	POG	605210	
06-016-	COPPER SULPHATE MIXING TANK AGITATOR	C-REAGENT	WEMCO	POG	605211	
06-017-	ZINC SULPHATE MIXING TANK AGITATOR	C-REAGENT	PLENTY	P0G-25		
06-019-	ANTI-SCALANT MIXING TANK AGITATOR	C-REAGENT	WEMCO	POG	605214	
06-020-	DANAFLOAT MIXING TANK AGITATOR	C-REAGENT	WEMCO	POG	605215	
06-021-	ZN SULPHATE HOLDING TANK AGITATOR	C-REAGENTS	LIGHTNING	15Q 2.2	82310440	
06-023-	SODA ASH MIX TANK AGITATOR	C-REAGENT	LIGHTNIN SERIES 10	15Q-2.2	82310482	

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06-030-	PYRITE CONDITIONER Tk. AGITATOR No 1	C-FLOATATION	PLENTY		605207	
06-031-	No 1 ZN ROUGHER COND TANK AGITATOR	C-FLOTATION MCC 202 DRAWER JB	SUMITOMO	LVYX3B145GF5T	UK0002977	
06-032-	No 2 ZN ROUGHER COND TANK AGITATOR	C-FLOTATION MCC 202 DRAWER JC	SUMITOMO		000	
06-036-	ZN LEACH SETTLER AGITATOR No 1	C-ZN THICKENERS	SUMITOMO CYCLO		DEO126883	
06-037-	ZN LEACH SETTLER AGITATOR No 2	C-ZN THICKENERS	SUMITOMO CYCLO		000	
06-038-	ZN LEACH NEUTRALIZATION AGITATOR	C-ZN THICKENERS	PLENTY	MT05		
08-001-	ZINC CONC. PRESSURE FILTER	C-FILTERS	EIMCO SHRIVER	M1500 (UPGRADED)	BAP2038-100A	
08-001C-	ZINC CONC. PRESSURE FILTER FEED PUMP No 1	C-ZN THICKENERS	WARMAN	E-AH		
08-001D-	ZINC CONC. PRESSURE FILTER FEED PUMP No 2	C-ZN THICKENERS	WARMAN	E-AH		
08-001F-	ZINC CONC. PRESSURE FILTER GLAND SEAL PUMP No 1	C-ZN THICKENERS	A-FGJ-A-E-HQQE	CR5-20 3KW		
08-003-	LEAD CONC. PRESSURE FILTER	C-FILTERS	EIMCO SHRIVER	M1200	11519/42124-01	
08-003C-	LEAD CONC. PRESSURE FILTER FEED PUMP No 1	C-PB THICKENERS	WARMAN			
08-003D-	LEAD CONC. PRESSURE FILTER FEED PUMP No 2	C-PB THICKENERS	WARMAN			
08-003F-	LEAD CONC. PRESSURE FILTER GLAND SEAL PUMP	C-PB THICKENERS	GRUNDFOS			
09-002-	MILL DISCHARGE SUMP	C-MILL	BUTTNER			
09-003-	PB COLUMN FEED SUMP	C-FLOATATION				
09-006-	ZINC REGRIND SUMP	C-MILL	BUTTNER			
09-007-	SULPHURIC ACID HOLDING TANK	C-ZN THICKENERS	BUTTNER			
09-009-	ZINC CONC. LEACH TANK No 1	C-ZN THICKENERS	BUTTNER			
09-010-	ZINC CONC. LEACH TANK No 2	C-ZN THICKENERS	BUTTNER			
09-011-	ZINC CONC. LEACH TANK No 3	C-ZN THICKENERS	BUTTNER			
09-012-	ZINC CONC. LEACH TANK No 4	C-ZN THICKENERS	BUTTNER			
09-014-	ZINC FILTRATE SURGE TANK	C-ZN FILTERS	BUTTNER			
09-018-	ZINC THICKENER OVERFLOW TANK	C-ZN THICKENERS	BUTTNER			
09-019-	LEAD FILTER FEED STOCK TANK	C-PB THICKENERS	BUTTNER			
09-020-	LEAD FILTRATE SURGE TANK	C-PB FILTERS	BUTTNER			
09-023-	LEAD THICKENER OVERFLOW TANK	C-PB THICKENERS	BUTTNER			
09-032-	PAX MIXING TANK	C-REAGENT	BUTTNER		000	
09-033-	SIPX MIXING TANK	C-REAGENT	BUTTNER		000	
09-034-	SIPX HOLDING TANK	C-REAGENT	BUTTNER			
09-035-	COPPER SULPHATE MIXING TANK	C-REAGENT	BUTTNER			
09-036-	ZINC SULPHATE MIXING TANK	C-REAGENT	BUTTNER			
09-037-	DANAFLOT 507 TANK	C-REAGENT	BUTTNER		000	
09-038-	AP3894 HOLDING TANK	C-REAGENT	BUTTNER			
09-039-	DANAFLOT MIXING TANK	C-REAGENT	BUTTNER		000	
09-040-	MIBC HOLDING TANK	C-REAGENT	BUTTNER			
09-041-	ANTI-SCALANT MIXING TANK	C-REAGENT	BUTTNER		000	
09-043-	SODIUM METABISULPHITE TANK	C-REAGENTS			000	
09-045-	COPPER SULPHATE HOLDING TANK	C-REAGENT	BUTTNER			
09-048-	SODA ASH MIXING TANK	C-REAGENT	BUTTNER			
09-049-	ZN SULPHATE HOLDING TANK	C-REAGENT	BUTTNER			
09-055-	LEAD ROUGHER CONC. SUMP	C-FLOTATION	BUTTNER			
09-056-	LEAD SCAVENGER CONC. SUMP	C-FLOTATION	BUTTNER			
09-057-	ZINC ROUGHER CONC. SUMP	C-FLOTATION	BUTTNER			
09-058-	ZINC SCAVENGER CONC. SUMP	C-FLOTATION	BUTTNER			
09-065-	STOCKPILE DUST COLLECTION DUCTWORK	C- AUXILIARY	A.A.F.			
09-066-	LEAD CONCENTRATE AREA DUCTWORK	C-CONCENTRATE LOADOUT	A.A.F.			
09-067-	ZINC CONCENTRATE AREA DUCTWORK	C-CONCENTRATE LOADOUT	A.A.F.			
09-068-	HEAD BOX FAN DUCTWORK	C- AUXILIARY				
09-069-	MIXER FAN DUCTWORK	C- AUXILIARY				
09-070-	CYANIDE FAN DUCTWORK	C-REAGENT				
09-072-	REAGENT TANK ACCESS STRUCTURE No 1	C-REAGENT	BUTTNER			
09-073-	REAGENT TANK ACCESS STRUCTURE No 2	C-REAGENT	HARTLEPOOL STEEL FAB			
09-075-	ZINC CLOTH WASH TANK	C-ZN FILTERS	BUTTNER			
09-080-	PYRITE CONDITIONER TANK	C-FLOATATION	BUTTNER			
09-086-	PUMP BOX - PYRITE CONC.	C-FLOTATION	BUTTNER			
09-087-	PUMP BOX - ZINC ROUGHER TAILS	C-FLOTATION	BUTTNER			
09-088-	PUMP BOX - PYRITE TAILS (ZN ROUGH SCAV TAILS)	C-FLOTATION	BUTTNER			
09-090-	PUMP BOX - ZINC CLEANER	C-FLOTATION	BUTTNER			

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Plant Item No.	Description	Location	Type	Model	Serial No.	Notes
09-092-	PUMP BOX - ZINC SCAVENGER	C-FLOTATION	BUTTIMER			
09-098-	ISA SAMPLE PUMPBOX - LEAD CLEANER CONC.	C-FLOTATION	BUTTIMER			
09-102-	LEAD ROUGHER TAILINGS BOX	C-FLOTATION	BUTTIMER			
09-104-	ZN ROUGHER CONDITIONER TANK No 1	C-FLOTATION	BUTTIMER			
09-105-	ZN ROUGHER CONDITIONER TANK No 2	C-FLOTATION	BUTTIMER			
09-107-	ZN CLEANER SCAVENGER CONDITIONER TANK No 1	C-FLOTATION	BUTTIMER			
09-108-	ZN CLEANER SCAVENGER CONDITIONER TANK No 2	C-FLOTATION	BUTTIMER			
09-109-	PUMP BOX - 1st STAGE ZINC CLEANER SCAVENGER	C-FLOTATION	BUTTIMER			
09-109A-	ZINC CONC. LEACH SETTLER TANK No 1	C-ZN THICKENERS	BUTTIMER			
09-109B-	ZINC CONC. LEACH SETTLER TANK No 2	C-ZN THICKENERS	BUTTIMER			
09-110-	PUMP BOX - ZN ROUGHER SCAV CONC	C-FLOTATION	BUTTIMER			
09-111-	ZINC CONC. LEACH NEUTRALIZATION TANK	C-ZN THICKENERS	BUTTIMER			
09-112-	ZINC CONC. LEACH PUMP BOX	C-ZN THICKENERS	BUTTIMER			
09-113-	PB ROUGHER CONC. PUMP BOX 1	C-FLOTATION	BUTTIMER			
09-114-	PUMP BOX - 2nd STAGE ZINC CLEANER SCAVENGER	C-FLOTATION	BUTTIMER		000	
09-115-	STARKEY BOX	C-FLOTATION	SPLITTER BOX			
09-117-	VALVES	C-MILL			000	List required
09-118-	PB ROUGHER CONC. PUMP BOX 2	C-FLOTATION			000	
09-119-	PB CLEANER COLUMN FEED PUMP BOX	C-FLOTATION				
09-120-	PB CLEANER CONC. PUMP BOX	C-FLOTATION				
10-001-	EXHAUST FAN	C-DUST COLLECTION	A.A.F.			
10-001A-	DUST SEPERATOR	C-DUST COLLECTION	A.A.F.			
10-001B-	ROTARY VALVE FEEDER	C-DUST COLLECTION	A.A.F.			
10-001C-	EXHAUST FAN	C-DUST COLLECTION	A.A.F.			
10-002-	FAN MOTOR	C-DUST COLLECTION LOADOUT	A.A.F.			
10-002A-	DUST SEPERATOR	C-DUST COLLECTION LOADOUT	A.A.F.			
10-002C-	EXHAUST FAN	C-DUST COLLECTION LOADOUT	A.A.F.			
10-006-	SODA ASH STORAGE SILO PACKAGE	C-SODA ASH SILO	J.T. SCOTNEY			
10-006A-	60 t CAPACITY STORAGE SILO	C-SODA ASH SILO	J.T. SCOTNEY			
10-006B-	VENT FILTER	C-SODA ASH SILO	WAM	SILO1SSSS01673	SFS C 24299	
10-006C-	BIN ACTIVATOR	C-SODA ASH SILO	J.T. SCOTNEY			
10-006D-	SCREW FEEDER	C-SODA ASH SILO	J.T. SCOTNEY			
10-014-	FLOCCULANT No 1 MIXING PACKAGE PB TKNR.	C-REAGENT	ALLIED COLLOIDS			
10-014A-	BLOWER MOTOR	C-REAGENT	ALLIED COLLOIDS			
10-014B-	FEEDER MOTOR	C-REAGENT	ALLIED COLLOIDS			
10-014C-	STIRRER MOTOR	C-REAGENT	ALLIED COLLOIDS			
10-014D-	TRANSFER PUMP	C-REAGENT	ALLIED COLLOIDS			
10-014E-	MIXING TANK	C-REAGENT	ALLIED COLLOIDS			
10-014F-	TRANSFER TANK	C-REAGENT	ALLIED COLLOIDS			
10-100-	SPX REAGENTS DOSING SKID	C-REAGENTS	SPX			
10-103-	METABISULPHITE DOSING PUMP	C-REAGENT	WATSON-MARLOW	621 T1 RE	382906602/003	
10-109-	SIPX DOSING PUMP NO. 1	C-REAGENTS	WATSON-MARLOW	621 T1 RE	382906602/004	
10-110-	SIPX DOSING PUMP NO.2	C-REAGENTS	WATSON-MARLOW	621 T1 RE	382906602/002	
12-001-	MILL CYCLONE U/FLOW SPLITTER	C-MILL	BUTTIMER			
12-028-	STOCKPILE OUTLET No 1 - SOUTH	C-MILL	BUTTERLY			
12-029-	STOCKPILE OUTLET No 2 - NORTH	C-MILL	BUTTERLY			
12-030-	STOCKPILE OUTLET No 3 - WEST	C-MILL	BUTTERLY			
12-031-	STOCKPILE OUTLET No 4 - EAST	C-MILL	BUTTERLY			
12-036-	FEEDER No 1 DISCHARGE CHUTE	C-MILL	BUTTERLY			
12-037-	FEEDER No 2 DISCHARGE CHUTE	C-MILL	BUTTERLY			
12-038-	FEEDER No 3/No 4 DISCHARGE CHUTE	C-MILL	BUTTERLY			
12-039-	MILL FEED CONVEYOR DISCHARGE CHUTE	C-MILL	BUTTERLY			
12-039A-	MILL FEED CONVEYOR DISCHARGE CHUTE LINER	C-MILL	BUTTERLY			
12-039B-	MILL FEED CONVEYOR VERTICAL LADDER	C-MILL	BUTTERLY			
12-046-	STOCKPILE ESCAPE ROUTE LADDER	C-MILL	HARTLEPOOL STEEL FAB			
12-048-	SAG MILL OVERSIZE CHUTE	C-MILL	BUTTIMER			
12-049-	BALL MILL OVERSIZE CHUTE	C-MILL	BUTTIMER			
12-050-	REGRIND MILL OVERSIZE CHUTE	C-MILL	BUTTIMER			
12-054-	PUMP BASE FRAMES	C-MILL	BUTTIMER			

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Plant Item No.	Description	Location	Type	Model	Serial No.	Notes
12-056-	SAG MILL FEED CHUTE	C-MILL	BUTTIMER			
12-142-	DRUM TILTING MECHANISM	C-MILL	MORGARDSHAMMER			
12-143-	DRUM SUPPORT FRAME - SAG MILL	C-MILL	MORGARDSHAMMER			
12-144-	DRUM SUPPORT FRAME - BALL MILL	C-MILL	MORGARDSHAMMER			
12-145-	DRUM SUPPORT FRAME - REGRIND MILL	C-MILL	MORGARDSHAMMER			
12-601-	TAILS SPLITTER BOX	C-TAILINGS			Template	
15-005-	MILL FEED CONVEYOR	C-MILL, MCC 201 DRAWER JG	BUTTERLY			
16-002-	VIBRATING FEEDER No 1 - SOUTH	C-MILL	LOCKER	SFH38	F30996/B	
16-003-	VIBRATING FEEDER No 2 - NORTH	C-MILL	LOCKER	SFH38	F30996/A	
16-004-	VIBRATING FEEDER No 3 - WEST	C-MILL MCC 201 DRAWER JD	LOCKER	SFH44	F30995/B	
16-005-	VIBRATING FEEDER No 4 - EAST	C-MILL	LOCKER Now Rotex	SFH44	F30995/A	
17-003-	SAG MILL	C-MILL DB 102	MORGARDSHAMMER			
17-003A-	SAG MILL - MOTOR	C-MILL	ABB	HXR 500LG4		
17-003B-	SAG MILL - INCHING DRIVE	C-MILL	MORGARDSHAMMER	FLENDER D142K	B272842/01	
17-003C-	SAG MILL - LUBE PUMP	C-MILL	MORGARDSHAMMER			
17-003E-	SAG MILL BEARING LUBE PUMP	C-MILL	LINCON	82054E		
17-003F-	SAG MILL SPRAY LUBE PUMP.	C-MILL	LINCON	SAF-YL1		
17-004-	BALL MILL	C-MILL DB 102	MORGARDSHAMMER			
17-004A-	BALL MILL - MOTOR	C-MILL	ABB	HXR 450 LJ4		
17-004C-	BALL MILL - LUBE PUMP	C-MILL	MORGARDSHAMMER			
17-004D-	BALL MILL - INCHING DRIVE	C-MILL	MORGARDSHAMMER	D142K	B272841/01	
17-004E-	BALL MILL BEARING LUBE PUMP	C-MILL	LINCON			
17-004F-	BALL MILL SPRAY LUBE PUMP	C-MILL	LINCON			
17-005-	REGRIND MILL	C-MILL	MORGARDSHAMMER			
17-005A-	REGRIND MILL - MOTOR	C-MILL	ABB	HXR 355 LF4	4550948	
17-005C-	REGRIND MILL - LUBE PUMP	C-MILL	MORGARDSHAMMER			
17-005D-	REGRIND MILL - INCHING DRIVE	C-MILL	MORGARDSHAMMER			
17-005E-	REGRIND MILL BEARING LUBE PUMP	C-MILL	LINCON			
17-005F-	REGRIND MILL SPRAY LUBE PUMP	C-MILL	LINCON			
25-001-	MILL FEED BELT WEIGHER	C-MILL	RAMSEY	10-14-4		
29-002-	GRINDING & FLOTATION AREA CRANE	C-MILL	ABUS ZLX		18/703160	
29-002A-	GRINDING & FLOTATION AREA CRANE - HOIST	C-MILL	ENNIS HANDLING			
29-002B-	GRINDING & FLOTATION AREA CRANE - CROSS TRAVEL	C-MILL	ENNIS HANDLING			
29-002C-	GRINDING & FLOTATION AREA CRANE - LONG TRAVEL	C-FLOTATION	ENNIS HANDLING			
29-004-	REAGENT AREA HOIST	C-REAGENT	MORRIS	SERIES 400		
29-004A-	REAGENT AREA HOIST - HOIST	C-REAGENT				
29-004B-	REAGENT AREA HOIST - TRAVEL	C-REAGENT				
29-009-	ROLLER SHUTTER DOOR - FLOTATION	C-FLOTATION	COLT			
29-010-	ROLLER SHUTTER DOOR - OUTLOAD No 1	C- AUXILIARY	COLT			
29-011-	ROLLER SHUTTER DOOR - COMPRESSOR HOUSE	C- AUXILIARY	COLT			
29-012-	ROLLER SHUTTER DOOR - OUTLOAD No 2	C- AUXILIARY	COLT			
29-013-	ROLLER SHUTTER DOOR - REAGENT	C-REAGENT	COLT			
29-108-	ROLLER SHUTTER DOOR - MILL	C-MILL	COLT			
30-001-	TECH TAYLOR VALVE No 1	C-MILL	TECH TAYLOR	T2F10R-150CRSANSI150	205T2037	
39-001-	TRANSFORMER HOUSING	C- AUXILIARY			Template	
40-003-	MILL BUILDING STRUCTURE (including disassembly)	C-MILL	J.S. MURPHY			
40-004-	MILL BUILDING STRUCTURE INTERIOR	C-MILL	HARTLEPOOL STEEL FAB			
40-005-	REAGENT TANK ACCESS STRUCTURE	C-REAGENT	HARTLEPOOL STEEL FAB			
40-006-	LIME-SODA ASH SILO ACCESS STRUCTURE	C- AUXILIARY	J.T. SCOTNEY			
40-008-	CLASSIFYING CYCLONE SUPPORT STRUCTURE	C- AUXILIARY	HARTLEPOOL STEEL FAB			
41-002-	MILL METALLURGICAL EQUIPMENT	C-LABORATORY				Refer other list
41-002-1	PANDA DUST CART	C-LABORATORY				
45-001-	CAVEX PRIMARY CYCLONE NO. 1 (include control valve)	C-MILL	CAVEX	250CVX10	PROC4605	
45-002-	CAVEX PRIMARY CYCLONE NO. 2 (include control valve)	C-MILL	CAVEX	250CVX10	PROC4605	
45-003-	CAVEX PRIMARY CYCLONE NO. 3 (include control valve)	C-MILL	CAVEX	250CVX10	PROC4605	
45-004-	CAVEX PRIMARY CYCLONE NO. 4 (include control valve)	C-MILL	CAVEX	250CVX10	PROC4650	
45-005-	CAVEX PRIMARY CYCLONE NO. 5 (include control valve)	C-MILL	CAVEX	250CVX10	PROC4605	
45-006-	CAVEX PRIMARY CYCLONE NO. 6 (include control valve)	C-MILL	CAVEX	250CVX10	PROC4605	
45-007-	CAVEX PRIMARY CYCLONE NO. 7 (include control valve)	C-MILL	CAVEX	250CVX10	000	

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Plant Item No.	Description	Location	Type	Model	Serial No.	Notes
46-005-	ZINC REGRIND CLASSIFYING CYCLONE No 1	C-MILL	MORGARDSHAMMER			
46-006-	ZINC REGRIND CLASSIFYING CYCLONE No 2	C-MILL	MORGARDSHAMMER			
46-007-	ZINC REGRIND CLASSIFYING CYCLONE No 3	C-MILL	MORGARDSHAMMER			
46-008-	ZINC REGRIND CLASSIFYING CYCLONE No 4	C-MILL	MORGARDSHAMMER			
46-009-	PRIMARY CYCLONE SPLITTER BOX	C-MILL				
48-001-	R343 HEAD TANK	C-REAGENT	BUTTIMER			
48-003-	ZINC SULPHATE HEAD TANK	C-REAGENT	BUTTIMER			
48-004-	A350 HEAD TANK	C-REAGENT	BUTTIMER			
48-006-	AP3894 HEAD TANK	C-REAGENT	BUTTIMER			
48-007-	DANAFLOAT HEAD TANK	C-REAGENT	BUTTIMER			
48-008-	MIBC HEAD TANK	C-REAGENT	BUTTIMER			
48-009-	SIPX HEAD TANK	C-REAGENT		Template		
48-010-	ZINC CONC THICKENER BOX	C-THICKENERS	BUTTIMER			
48-011-	LEAD CONC THICKENER BOX	C-THICKENERS	BUTTIMER			
48-012-	ZINC CONC LEACH HEADBOX	C-THICKENERS	BUTTIMER			
48-021-	SPLITTER BOX - LEACH FEED	C-THICKENERS	BUTTIMER			
48-022-	SPLITTER BOX - LEAD CONC	C-THICKENERS	BUTTIMER			
48-023-	SPLITTER BOX - ZINC CONC	C-THICKENERS	BUTTIMER			
48-024-	SPLITTER BOX - ZINC TAILS (PYRITE)	C-THICKENERS	BUTTIMER			
48-032-	ZN ROUGHER CONC HEADBOX	C-FLOTATION				
48-033-	ZN SCAVENGER CONC HEADBOX	C-FLOTATION				
48-034-	ZN CLEANER COLUMN FEED BOX	C-FLOTATION				
49-600-	FLOCCULANT BUFFER TANK	C-REAGENT				
52-002-	ZINC CONC THICKENER MECHANISM	C-ZN THICKENERS	WEMCO	W36P/W24P3	76692-02-A	
52-003-	LEAD CONC THICKENER TANK	C-PB THICKENERS	WEMCO	W21P with 24"LDM	76692-03-A	
52-004-	LEAD CONC THICKENER MECHANISM	C-PB THICKENERS	WEMCO	W21P with 24"LDM	76692-03-A	
52-601-	BACKFILL THICKENER MECHANISM					
53-003-	INLINE MIXER	C-MILL				
53-004-	INLINE MIXER	C-MILL				
53-005-	INLINE MIXER	C-MILL				
55-001-	LEAD ROUGHER FLOTATION BANK LAUNDER	C-FLOTATION	WEMCO			
55-002-	LEAD SCAVENGER FLOTATION BANK LAUNDER	C-FLOTATION	WEMCO			
55-003-	ZINC ROUGHER FLOTATION BANK LAUNDER	C-FLOTATION	WEMCO			
55-004-	ZINC SCAVENGER FLOTATION BANK LAUNDER	C-FLOTATION	WEMCO			
55-005-	SAG MILL DISCHARGE LAUNDER	C-MILL	BMD			
55-006-	BALL MILL DISCHARGE LAUNDER	C-MILL	BMD			
55-007-	REGRIND MILL DISCHARGE LAUNDER	C-MILL	BMD			
63-003-	ZINC CONCENTRATE SAMPLER	C-MILL				
63-004-	FINAL TAILS BOX /AUTO SAMPLER	C-FLOTATION				
63-004A-	ZN ROUGHER SCAV. TAILS SAMPLE SPLITTER/TRASH SCR.	C-FLOTATION				
63-004B-	H & S FINAL TAILS PRIMARY SAMPLER	C-MILL	HEATH & SHERWOOD	1850-4000		
63-004C-	H & S SAMPLER PRIMARY CYCLONE	C-MILL	HEATH & SHERWOOD	185-4000	000	
63-005A-	COURIER PROCESS STREAM ANALYSER.	C-MILL	COURIER			
68-001-	LEAD ROUGHER FLOTATION BANK - AGITATORS 1-4	C-FLOTATION	WEMCO			
68-001A-	LEAD ROUGHER AGITATOR No 1	C-FLOTATION MCC 202 DRAWER KE	WEMCO			
68-001B-	LEAD ROUGHER AGITATOR No 2	C-FLOTATION MCC 202 DRAWER KF	WEMCO			
68-001C-	LEAD ROUGHER AGITATOR No 3	C-FLOTATION MCC 202 DRAWER KG	WEMCO			
68-001D-	LEAD ROUGHER AGITATOR No 4	C-FLOTATION MCC 202 DRAWER KH	WEMCO			
68-002-	LEAD CLEANER SCAVENGER FLOTATION COLUMN	C-FLOTATION	WEMCO			
68-003-	ZN CLEANER FLOTATION BANK - AGITATORS 1-2	C-FLOTATION	WEMCO	120L		
68-003A-	ZN CLEANER AGITATOR No 1	C-FLOTATION MCC 202 DRAWER LB	WEMCO			
68-003B-	ZN CLEANER AGITATOR No 2	C-FLOTATION MCC 202 DRAWER LC	WEMCO			
68-004-	ZINC ROUGHER FLOTATION BANK - AGITATORS 1-6	C-FLOTATION	WEMCO			
68-004A-	ZINC ROUGHER AGITATOR No 1	C-FLOTATION MCC 202 DRAWER LD	WEMCO			
68-004B-	ZINC ROUGHER AGITATOR No 2	C-FLOTATION MCC 202 DRAWER LE	WEMCO			
68-004C-	ZINC ROUGHER AGITATOR No 3	C-FLOTATION	WEMCO			
68-004D-	ZINC ROUGHER AGITATOR No 4	C-FLOTATION	WEMCO			
68-004E-	ZINC ROUGHER AGITATOR No 5	C-FLOTATION	WEMCO			
68-004F-	ZINC ROUGHER AGITATOR No 6	C-FLOTATION	WEMCO			

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Plant Item No.	Description	Location	Type	Model	Serial No.	Notes
68-007-	ZINC SCAVENGER FLOTATION BANK - AGITATORS 1-4	C-FLOTATION	WEMCO			
68-007A-	ZINC SCAVENGER AGITATOR No 1	C-FLOTATION	WEMCO			
68-007B-	ZINC SCAVENGER AGITATOR No 2	C-FLOTATION	WEMCO			
68-007C-	ZINC SCAVENGER AGITATOR No 3	C-FLOTATION	WEMCO			
68-007D-	ZINC SCAVENGER AGITATOR No 4	C-FLOTATION	WEMCO			
68-008-	ZN CLEANER SCAVENGER BANK - AGITATORS 1-4	C-FLOTATION	WEMCO	144L	000	
68-008A-	ZN CLEANER SCAVENGER AGITATOR No 1	C-FLOTATION	WEMCO			
68-008B-	ZN CLEANER SCAVENGER AGITATOR No 2	C-FLOTATION	WEMCO			
68-008C-	ZN CLEANER SCAVENGER AGITATOR No 3	C-FLOTATION	WEMCO			
68-008D-	ZN CLEANER SCAVENGER AGITATOR No 4	C-FLOTATION	WEMCO			
68-009-	ZN CLEANER SCAVENGER BANK - AGITATORS 5-6	C-FLOTATION	WEMCO	144L		
68-009A-	ZN CLEANER SCAVENGER AGITATOR No 5	C-FLOTATION	WEMCO			
68-009B-	ZN CLEANER SCAVENGER AGITATOR No 6	C-FLOTATION	WEMCO			
68-014-	Zn ROUGHER SCAV. FLOTATION BANK - AGITATORS 1-3	C-FLOTATION	WEMCO	144L		
68-014A-	ZN ROUGHER SCAVENGER CELL AGITATORS No 1	C-FLOTATION	WEMCO			
68-014B-	ZN ROUGHER SCAVENGER CELL AGITATORS No 2	C-FLOTATION	WEMCO			
68-014C-	ZN ROUGHER SCAVENGER CELL AGITATORS No 3	C-FLOTATION	WEMCO			
68-015-	Pb 1st. CLEANER 68-015 A-F	C-FLOTATION	EIMCO	66		
68-016-	Pb 2nd. CLEANER 68-016 A-D.	C-FLOTATION	EIMCO	66		
68-016E-	PB SCALPER CELL	C-FLOTATION	TANKCELL - 3			DQ-060026 TC3
68-017-	Zn CLEANER SCALPER CELLS 68-017 A-B	C-FLOTATION	EIMCO	66		
71-004-	CONTROL ROOM AIR CONDITIONING	C- MILL	AIR PURIFICATION	DAQS AQC02		
71-005-	MILL ADMIN. BUILDING VENTILATION SYSTEM	C-MILL	AIR PURIFICATION	DAQS AQC600		
86-000A-1	110 VOLT OUTLETS	C- MILL				
86-004C-	6.6kv TRAFFO - TX125	C-MILL				
86-004D-	6.6kv TRAFFO - TX126	C-MILL				
86-004Q-	380V TRAFFO. 380 V 3PH INPUT/ 230 V, 1 PH OUTPUT	C-MILL				
86-006A-	MAIN BOARD	C-MILL SUBSTATION				
86-006B-	MCC - 201 - GRINDING	C-MILL SUBSTATION				
86-006C-	MCC - 202 - FLOTATION	C-MILL SUBSTATION				
86-006D-	MCC - 204 - BACKFILL & WATER TREATMENT	C-MILL SUBSTATION		Yes		
86-006F-	MCC - 205 - REAGENTS	C-MILL SUBSTATION				
86-006H-	MCC - 207 - ESSENTIAL SUPPLIES	C-MILL SUBSTATION				
86-006I-	MCC - 208 - TAILINGS	C-TAILINGS				
86-006J-	SYNCHRONISING TROLLEY	C-MILL SUBSTATION				
86-007A-	GENERATOR #3	C-MILL	F.G. WILSON	P135	B2741A/001	
86-016-	D.C.S.	C-MILL				Refer other list
86-016A-	U.P.S.	C-MILL				
86-024A-	6.6kv SWITCHGEAR - DB102	C-MILL				
86-024M-	DISTRIBUTION BOARD - DB155	C-MILL				
86-024N-	DISTRIBUTION BOARD - DB156	C-MILL				
98-009C-	SPARE GEARBOXES & EQUIPMENT.	C-MILL STORE				Refer other list
98-023-	CCTV CAMERAS (3 x Screens & 5 x Cameras)	C-MILL				
A0-1028-	ZN THICKENER O/FLOW PH CONTROL	C-INST MILL				
A0-4001-	PB ROUGHER FLOTATION CELL PH CONTROL	C-INST MILL				
A0-4003-	PB CONDITIONER TANK PH CONTROL	C-INST MILL				
A0-8020-	ZN CLEANER PH.	C-INST MILL				
A0-8021-	ZN CONDITIONER PH	C-INST MILL				
A2-4001-	ZN ROUGHER FLOTATION CELLS PH CONTROL	C-INST MILL				
A2-4002-	PYRITE FLOTATION CELLS PH CONTROL	C-INST MILL				
F0-3005-	SAG MILL WATER FLOW	C-INST MILL	FISHER	1250R-GL : 45		
F0-6031-	PB THICKENER U/FLOW FLOW	C-INST MILL				
F0-7002-	ZN THICKENER U/FLOW FLOW	C-INST MILL				
F0-7003-	LEACH TANK FEED FLOW METER (EX 01/134)	C-INST MILL	CIDRA			
F0-7004-	PB CLEANER CONC. FLOW METER	C-INST MILL	CIDRA			
F0-7005-	PRIMARY CYCLONE O/F FLOW METRE	C-INST MILL	CIDRA			
F1-0008-	SODA ASH FLOW TO PB ROUGHER CONCENTRATE PUMP BOX	C-INST MILL		Template		
F1-0017-	SODA ASH FLOW TO SAG MILL	C-INST MILL				
F1-0018-	SODA ASH FLOW TO PB ROUGHER BANK	C-INST MILL				

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Plant Item No.	Description	Location	Type	Model	Serial No.	Notes
F1-1012-	ZINC SULPHATE FLOW TO SAG MILL	C-INST MILL				
F1-1013-	ZINC SULPHATE FLOW TO PB ROUGHER CONC PUMPBOX	C-INST MILL				
F1-1014-	ZINC SULPHATE FLOW TO PB ROUGHER FEED	C-INST MILL				
F1-1015-	ZINC SULPHATE FLOW TO PB SCAVENGER FEED	C-INST MILL				
F1-1022-	COPPER SULPHATE FLOW TO ZN SCAVENGER BANK	C-INST MILL				
F1-1023-	COPPER SULPHATE FLOW TO ZN ROUGHER CONDITIONER	C-INST MILL				
F1-1024-	COPPER SULPHATE FLOW TO ZN REGRIND SUMP	C-INST MILL				
F1-1030-	EXHAUST FAN FLOW	C-INST MILL				
F1-1041-	SULPHURIC ACID FLOW TO ZN CONC LEACH TANKS	C-INST MILL				
F1-2003-	SODIUM ISOPROPYL XANTHATE TO PB ROUGHER FLOW	C-INST MILL				
F1-2013-	POTASIAM AMYL XANTHATE TO ZN ROUGHER CONDITIONER	C-INST MILL				
F1-2014-	POTASIAM AMYL XAN. TO ZN REGRIND CYCLONE OVERFLOW	C-INST MILL				
F1-2015-	POTASIAM AMYL XANTHATE FLOW TO PYRITE CONDITIONER	C-INST MILL				
F1-2021-	MIBC FLOW TO PB ROUGHER BANK	C-INST MILL				
F1-2022-	MIBC FLOW TO ZN ROUGHER BANK	C-INST MILL				
F1-2023-	MIBC FLOW TO PYRITE ROUGHER BANK	C-INST MILL				
F1-2029-	AP 3894 FLOW TO ZN ROUGHER CONDITIONER	C-INST MILL				
F1-2030-	AP 3894 FLOW TO REGRIND OVERFLOW TANK	C-INST MILL				
F1-2036-	AF 242 FLOW TO SAG MILL	C-INST MILL				
F1-2037-	AF 242 FLOW TO PB ROUGHER BANK	C-INST MILL				
F1-2038-	AF 242 FLOW TO PB ROUGHER CONCENTRATE PUMP BOX	C-INST MILL				
F2-1004-	TAILINGS SUMP DISCHARGE FLOW	C-INST MILL				
F2-5106-	PB THICKENER FLOCCULANT FLOW	C-INST MILL				
F2-5109-	ZN THICKENER FLOCCULANT FLOW	C-INST MILL				
F3-0104-	PB FILTER FEED PUMP 'D' GLAND WATER FLOW	C-INST MILL				
F3-0106-	ZN FILTER FEED PUMP 'C' GLAND WATER FLOW	C-INST MILL				
F3-0108-	ZN FILTER FEED PUMP 'D' GLAND WATER FLOW	C-INST MILL				
H2-2001-	LEACH FEED SPLITTER BOX FEEDER POSITION CONTROL	C-INST MILL				
J0-3006-	SAG MILL POWER	C-INST MILL				
J0-3010-	BALL MILL POWER	C-INST MILL				
J0-5009-	ZN REGRIND MILL POWER	C-INST MILL				
L0-3004-	MILL FEED CONVEYOR BLOCKED CHUTE	C-INST MILL				
L0-3004-1	MILL FEED CONVEYOR BLOCKED CHUTE LOWER	C-INST MILL	SENSOPART	FT88IHRATPM821-11012		
L0-3009-	MILL DISCHARGE SUMP LEVEL	C-INST MILL				
L0-4005-	PB ROUGHER TAILINGS BOX LEVEL CONTROL	C-INST MILL				
L0-4100-	PB ROUGHER FLOTATION LEVEL CONTROL	C-INST MILL				
L0-4201-	PB CLEANER FLOTATION COLUMN LEVEL CONTROL	C-INST MILL				
L0-4300-	PB SCAVENGER FLOTATION LEVEL CONTROL	C-INST MILL				
L0-5005-	ZN REGRIND CYCLONE OVERFLOW TANK LEVEL	C-INST MILL				
L0-5006-	ZN SCAVENGER TAILINGS PUMP BOX LEVEL	C-INST MILL				
L0-5007-	ZN REGRIND SUMP LEVEL	C-INST MILL				
L0-6004-	PB FILTRATE SURGE TANK LEVEL	C-INST MILL				
L0-6032-	PB FILTER FEED STOCK TANK LEVEL	C-INST MILL				
L0-7003-	ZN FILTER FEED STOCK TANK LEVEL	C-INST MILL				
L0-7004-	ZN FILTRATE SURGE TANK LEVEL	C-INST MILL				
L0-7120-	CLOTH WASH WATER TANK LEVEL	C-INST MILL				
L0-8011-	MINE WATER CLARIFIER OVERFLOW TANK LEVEL	C-INST MILL				
L1-0003-	SODA MIXING TANK LEVEL	C-INST MILL				
L1-0004-	SODA HOLDING TANK LEVEL	C-INST MILL				
L1-0103-	SODA STORAGE SILO HIGH LEVEL ALARM	C-INST MILL				
L1-1001-	SULPHURIC ACID HOLDING TANK OFF-LOAD PUMP CONTROL	C-INST MILL				
L1-1002-	SULPHURIC ACID HOLDING TANK LEVEL	C-INST MILL				
L1-1009-	ZINC SULPHATE MIXING TANK LEVEL	C-INST MILL				
L1-1011-	ZINC SULPHATE HEAD TANK LEVEL	C-INST MILL				
L1-1021-	COPPER SULPHATE MIXING TANK LEVEL	C-INST MILL				
L1-1025-	COPPER SULPHATE HOLDING TANK LEVEL	C-INST MILL				
L1-1029-	SIPX MIXING TANK LEVEL	C-INST MILL				
L1-1034-	SIPX HOLDING TANK LEVEL	C-INST MILL				
L1-2001-	SODIUM ISOPROPYL XANTHATE MIXING TANK LEVEL	C-INST MILL				



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Plant Item No.	Description	Location	Type	Model	Serial No.	Notes
L1-2002-	SODIUM ISOPROPYL XANTHATE HEAD TANK LEVEL	C-INST MILL				
L1-2007-	SPARE REAGENT MIXING TANK LEVEL	C-INST MILL				
L1-2008-	SPARE REAGENT MIXING HEAD TANK LEVEL	C-INST MILL				
L1-2010-	POTASIAM AMYL XANTHATE MIXING TANK LEVEL	C-INST MILL				
L1-2011-	POTASIAM AMYL XANTHATE HEAD TANK LEVEL	C-INST MILL				
L1-2018-	MIBC HOLDING TANK LEVEL	C-INST MILL				
L1-2019-	MIBC HEAD TANK LEVEL	C-INST MILL				
L1-2026-	AP 3894 HOLDING TANK LEVEL	C-INST MILL				
L1-2027-	AP 3894 HEAD TANK LEVEL	C-INST MILL				
L1-2033-	AF 242 MIXING TANK LEVEL	C-INST MILL				
L1-2034-	AF 242 HEAD TANK LEVEL	C-INST MILL				
L2-1001-	TAILINGS SUMP LEVEL	C-INST MILL				
L2-4003-	ZN ROUGHER TAILS PUMP BOX LEVEL	C-INST MILL				
L2-4004-	PYRITE TAILINGS PUMP BOX LEVEL	C-INST MILL				
L2-5105-	STORAGE TANK LEVEL	C-INST MILL				
L2-5112-	POWDER HOPPER LEVEL	C-INST MILL				
L2-5204-	MIXING TANK LEVEL	C-INST MILL				
L2-5205-	STORAGE TANK LEVEL	C-INST MILL				
L2-5209-	POWDER HOPPER LEVEL	C-INST MILL				
L2-5304-	MIXING TANK LEVEL	C-INST MILL				
L2-5305-	STORAGE TANK LEVEL	C-INST MILL				
L2-5309-	POWDER HOPPER LEVEL	C-INST MILL				
L6-8001-A	PB ROUGHER 1st STAGE LEVEL INDICATOR CONTROL	C-INST MILL				
L6-8001-B	PB ROUGHER 2nd STAGE LEVEL INDICATOR CONTROL	C-INST MILL				
L6-8003-	PB SCAVENGER LEVEL INDICATOR CONTROL	C-INST MILL				
L6-8004-A	ZN ROUGHER 1st STAGE LEVEL INDICATOR CONTROL	C-INST MILL				
L6-8004-B	ZN ROUGHER 2nd STAGE LEVEL INDICATOR CONTROL	C-INST MILL				
L6-8007-	ZN SCAVENGER LEVEL INDICATOR CONTROL	C-INST MILL				
L6-8008-A	ZN CLEANER SCAV 1st STAGE LEVEL INDICATOR CONTROL	C-INST MILL				
L6-8008-B	ZN CLEANER SCAV 2nd STAGE LEVEL INDICATOR CONTROL	C-INST MILL				
L6-8014-	PYRITE LEVEL INDICATOR CONTROL	C-INST MILL				
P0-3201-	MILL CLASSIFYING CYCLONE PRESSURE	C-INST MILL				
P0-4210-	SPARGE WATER PRESSURE	C-INST MILL				
P0-6101-	PB CONCENTRATE PRESSURE FILTER FEED PRESSURE	C-INST MILL				
P0-6102-	PB CONCENTRATE FEED PRESSURE	C-INST MILL				
P0-6104-	PB FILTER AIR RECEIVER PRESSURE	C-INST MILL				
P0-6105-	PB FILTER FEED PUMP GLAND SEALING WATER PRESSURE	C-INST MILL				
P0-7101-	ZN CONCENTRATE PRESSURE FILTER FEED PRESSURE	C-INST MILL				
P0-7102-	ZN CONCENTRATE FILTER FEED PRESSURE	C-INST MILL				
P0-7104-	ZN FILTER AIR RECEIVER PRESSURE	C-INST MILL				
P0-9001-	FRESH WATER PUMP DISCHARGE PRESSURE	C-INST MILL				
P1-0011-	LIME RING MAIN PRESSURE	C-INST MILL				
P1-0020-	LIME CIRCULATING PUMP DISCHARGE PRESSURE	C-INST MILL				
P1-0022-	LIME CIRCULATING PUMP PRESSURE	C-INST MILL				
P1-1003-	SULPHURIC ACID DISCHARGE PRESSURE	C-INST MILL				
P1-4001-	PLANT AIR SYSTEM PRESSURE	C-INST MILL				
P1-4101-	PLANT AIR SYSTEM PRESSURE	C-INST MILL				
P2-1003-	TAILINGS PUMP DISCHARGE PRESSURE	C-INST MILL				
P3-0101-	PB FILTER FEED PUMP 'C' GLAND WATER PRESSURE	C-INST MILL				
P3-0103-	PB FILTER FEED PUMP 'D' GLAND WATER PRESSURE	C-INST MILL				
P3-0105-	ZN FILTER FEED PUMP 'C' GLAND WATER PRESSURE	C-INST MILL				
P3-0107-	ZN FILTER FEED PUMP 'D' GLAND WATER PRESSURE	C-INST MILL				
S0-3016-	MILL FEED CONVEYOR SLIP	C-INST MILL				
S1-1004-	SULPHURIC ACID DISCHARGE PUMP SPEED CONTROL	C-INST MILL				
U1-7010-	TELEMETRY LINK	C-INST MILL				
W0-3007-	SAG MILL WEIGHING	C-INST MILL				
W0-3014-	MILL FEED CONVEYOR BELT WEIGHING	C-INST MILL				
W1-0104-	SODA ASH SILO WEIGHING	C-INST MILL				
X0-6033-	PB CONCENTRATE THICKENER DRIVE FAULT	C-INST MILL				

**GALMOY MINE PROCESS PLANT  
PURCHASE LIST**

Plant Item No.	Description	Location	Type	Model	Serial No.	Notes
X0-6100-	PB CONCENTRATE FILTER PACKAGE SYSTEM FAULT	C-INST MILL				
X0-6111-	PB FILTER CORE BLOWER FEED ISOLATION	C-INST MILL				
X0-6112-	PB FILTER FEED PUMP OUTLET ISOLATION	C-INST MILL				
X0-6113-	PB FILTER CORE BLOWER AIR ISOLATION	C-INST MILL				
X0-6114-	PB FILTER FILTRATE ISOLATION	C-INST MILL				
X0-6115-	PB FILTER FILTRATE TO SEPERATOR ISOLATION	C-INST MILL				
X0-6116-	PB FILTER CORE BLOW AIR ISOLATION	C-INST MILL				
X0-6117-	PB FILTER CORE BLOW WATER ISOLATION	C-INST MILL				
X0-7007-	ZN CONCENTRATE THICKENER DRIVE FAULT	C-INST MILL				
X0-7100-	ZN CONCENTRATE SYSTEM FAULT	C-INST MILL				
X0-7110-	CLOTH WASH WATER ISOLATION	C-INST MILL				
X0-7111-	ZN FILTER CORE BLOWER FEED ISOLATION	C-INST MILL				
X0-7112-	ZN FILTER FEED PUMP OUTLET ISOLATION	C-INST MILL				
X0-7113-	ZN FILTER AIR ISOLATION	C-INST MILL				
X0-7114-	ZN FILTER FILTRATE ISOLATION	C-INST MILL				
X0-7115-	ZN FILTER FILTRATE TO SEPERATOR ISOLATION	C-INST MILL				
X0-7116-	ZN FILTER CORE BLOW AIR ISOLATION	C-INST MILL				
X0-7117-	ZN FILTER CORE BLOW WATER ISOLATION	C-INST MILL				
X0-7118-	CLOTH WASH AIR ISOLATION	C-INST MILL				
X1-0010-	RECLAIM WATER TO SODA MIXING TANK ISOLATION	C-INST MILL				
X1-0019-	RECLAIM WATER TO LIME MIXING TANK ISOLATION	C-INST MILL				
X1-1008-	ZINC SULPHATE MIXING TANK WATER ISOLATION	C-INST MILL				Template
X1-1010-	ZINC SULPHATE HEAD TANK OUTLET ISOLATION	C-INST MILL				Template
X1-1020-	COPPER SULPHATE MIXING TANK WATER ISOLATION	C-INST MILL				Template
X1-1028-	SIPX MIXING TANK WATER ISOLATION	C-INST MILL				Template
X1-2004-	SODIUM ISOPROPYL XANTHATE HEAD TANK FEED ISOLATION	C-INST MILL				Template
X1-2005-	SODIUM ISOPRO. XANTH. MIXING TANK WATER ISOLATION	C-INST MILL				Template
X1-2012-	POTASIMUM AMYL XANTHATE HEAD TANK FEED ISOLATION	C-INST MILL				Template
X1-2016-	A 350 POTASSIUM AMYL XANTHATE WATER ISOLATION	C-INST MILL				Template
X1-2020-	MIBC HEAD TANK FEED ISOLATION	C-INST MILL				Template
X1-2028-	AP 3894 HEAD TANK FEED ISOLATION	C-INST MILL				Template
X1-2035-	AF 242 HEAD TANK FEED ISOLATION	C-INST MILL				Template
X1-2039-	AF 242 MIXING TANK WATER ISOLATION	C-INST MILL				Template
X2-1005-	PYRITE TAILING SPLITTER BOX FEED	C-INST MILL				Template
X2-4101-	ZN ROUGHER FLOTATION LEVEL CONTROL	C-INST MILL				Template
X2-4201-	PYRITE FLOTATION LEVEL CONTROL	C-INST MILL				Template
X2-5005-	FLOC. MIXING PACKAGE No 1 (ZN/PB THICKENERS) FAULT	C-INST MILL				Template
X2-5101-	FLOCCULANT (ZN/PB) PACKAGE SYSTEM FAULT	C-INST MILL				Template
Z0-3015-	MILL FEED CONVEYOR BELT TRACKING	C-INST MILL				Template
	ELECTRICAL SPARES FOR MCC					Spares from mill offices