

ABBREVIATIONS

ELEV. - ELEVATOR

FDR. - FEEDER

INT. - INTERLOCK

RECL. - RECLAIM

REM. - REMOTE

UNL. - UNLOADING

REMOTE DEVICE TAGS

BEJS1/2 - BUCKET ELEVATOR JOG STATIONS 1 & 2

BEM - BUCKET ELEVATOR MOTOR

BESS - BUCKET ELEVATOR SAFETY SWITCH

BEZS - BUCKET ELEVATOR SPEED SWITCH

B1FLP - BUNKER 1 FULL LEVEL PROBE

B1HLP - BUNKER 1 HIGH LEVEL PROBE

B2FLP - BUNKER 2 FULL LEVEL PROBE

B2HLP - BUNKER 2 HIGH LEVEL PROBE

B3FLP - BUNKER 3 FULL LEVEL PROBE

B3HLP - BUNKER 3 HIGH LEVEL PROBE

B3LLP - BUNKER 3 LOW LEVEL PROBE

BEP1/2- BUCKET ELEVATOR PROBE 1 & 2

C1BA1/2 - CONVEYOR 1 BELT ALIGNMENT SWITCH 1 & 2

C1ES - CONVEYOR 1 EMERGENCY PULL-CORD STOP

C1JS - CONVEYOR 1 JOG STATION

C1M - CONVEYOR 1 MOTOR

C1SS - CONVEYOR 1 SAFETY SWITCH

C1ZS - CONVEYOR 1 SPEED SWITCH

C2BA1/2 - CONVEYOR 2 BELT ALIGNMENT SWITCH 1 & 2

C2ES - CONVEYOR 2 EMERGENCY PULL-CORD STOP

C2JS - CONVEYOR 2 JOG STATION

C2M - CONVEYOR 2 MOTOR

C2SS - CONVEYOR 2 SAFETY SWITCH

C2ZS - CONVEYOR 2 SPEED SWITCH

C3BA1/2 - CONVEYOR 3 BELT ALIGNMENT SWITCH 1 & 2

C3ES - CONVEYOR 3 EMERGENCY PULL-CORD STOP

C3JS - CONVEYOR 3 JOG STATION

C3M - CONVEYOR 3 MOTOR

C3SS - CONVEYOR 3 SAFETY SWITCH

C3ZS - CONVEYOR 3 SPEED SWITCH

G1C1 - GATE 1 (TO) CONVEYOR 1

G1CYL - GATE 1 CYLINDER

G1JS - GATE 1 JOG STATION

G1LW - GATE 1 (TO) LOWERING WELL

G1LWP- GATE 1 (TO) LOWERING WELL PROBE

G1SS - GATE 1 SAFETY SWITCH

G2B1 - GATE 2 (TO) BUNKER 1

G2B1P - GATE 2 (TO) BUNKER 1 PROBE

G2C2 - GATE 2 (TO) CONVEYOR 2

G2CYL - GATE 2 CYLINDER

G2JS - GATE 2 JOG STATION

G2SS - GATE 2 SAFETY SWITCH

G3B2 - GATE 3 (TO) BUNKER 2

G3B2P - GATE 3 (TO) BUNKER 2 PROBE

G3C3 - GATE 3 (TO) CONVEYOR 3

G3CYL - GATE 3 CYLINDER

G3JS - GATE 3 JOG STATION

G3SS - GATE 3 SAFETY SWITCH

REMOTE DEVICE TAGS (CONTD.)

LWHLP- LOWERING WELL HIGH LEVEL PROBE

RFJS - RECLAIM FEEDER JOG STATION

RFM - RECLAIM FEEDER MOTOR

RFSS - RECLAIM FEEDER SAFETY SWITCH

UFJS - UNLOADING FEEDER JOG STATION

UFM - UNLOADING FEEDER MOTOR

UFSS - UNLOADING FEEDER SAFETY SWITCH

WH1 - WARNING HORN #1

WH2 - WARNING HORN #2

WH3 - WARNING HORN #3

WH4 - WARNING HORN #4





PANEL DEVICE TAGS

CB1 - CIRCUIT BREAKER #1

CB2 - CIRCUIT BREAKER #2

MCR -MASTER CONTROL (E-STOP) RELAY




SELECTOR SWITCH TRUTH TABLE

CIRCUIT	OPERATOR POSITION (FRONT VIEW)				DESCRIPTION	USAGE	SW LOC.
							
LEFT	A	○		×	2 POSITION MAINTAIN	SOURCE FEEDER	PANEL
	B	×		○			
LEFT	A	○		×	2 POSITION SPRING RETURN FROM RIGHT	WARNING HORNS	PANEL
	B	×		○			
LEFT	A	○	○	×	3 POSITION MAINTAIN	OPERATION MODE	PANEL
	B	×	○	○			
WHITE	A	○	○	×	3 POSITION SPRING RETURN FROM LEFT	LOCAL CONTROL	AT EQUIP.
	B	×	○	○			
LEFT	A	×	○	○	3 POSITION SPRING RETURN FROM BOTH DIRECTIONS	INDIVIDUAL MOTOR MANUAL START/STOP	PANEL
	B	○	×	×			
RIGHT	A	○	○	×			
	B	×	×	○			
LEFT	A	○	○	×	3 POSITION SPRING RETURN FROM BOTH DIRECTIONS	SYSTEM AUTO CONTROL GATE POSITION	PANEL
	B	×	○	○			

DRAWING INDEX

DWG. NO.	DESCRIPTION
5000	GENERAL INFORMATION
5001	CONTROL DEVICES
5002	REMOTE/EXTERNAL CONNECTIONS
5003	
5004	
5005	OPERATOR PANEL GRAPHIC
5006	SYSTEM PANEL LAYOUT RIGHT SIDE
5007	SYSTEM PANEL LAYOUT BACK
5008	
5009	
5010	CONTROL POWER
5011	I/O MODULES 1 AND 2
5012	I/O MODULES 3 AND 4
5013	I/O MODULES 5 AND 6
5014	I/O MODULE 7
5015	I/O MODULES 8 AND 9
5016	I/O MODULES 10, 11 AND 12
5017	I/O MODULES 13 AND 14
5018	
5019	
5020	
5021	MOTOR CONTROL CENTER
5022	
5023	
5024	
5025	

WIRING DIAGRAM KEY

	CIRCUIT BREAKER
	FUSED TERMINAL BLOCK
	TERMINAL BLOCK






WIRE NUMBERS

LAST 2 DIGITS OF DWG. NO.

LINE NO. (IN DWG.)

WIRE NO. ON LINE

12321

General Information Coal Handling PLC Control		KTE	6-24-23	Revised for CompactLogix
		KTE	6-15-00	As built and tested
		KTE	1-17-00	Revised ECO #001-071
		JAL	12-04-99	Revised and updated
		JAL	11-16-99	Initial release
			No Scale	E-001-EW-5000-3