



Parts Manual

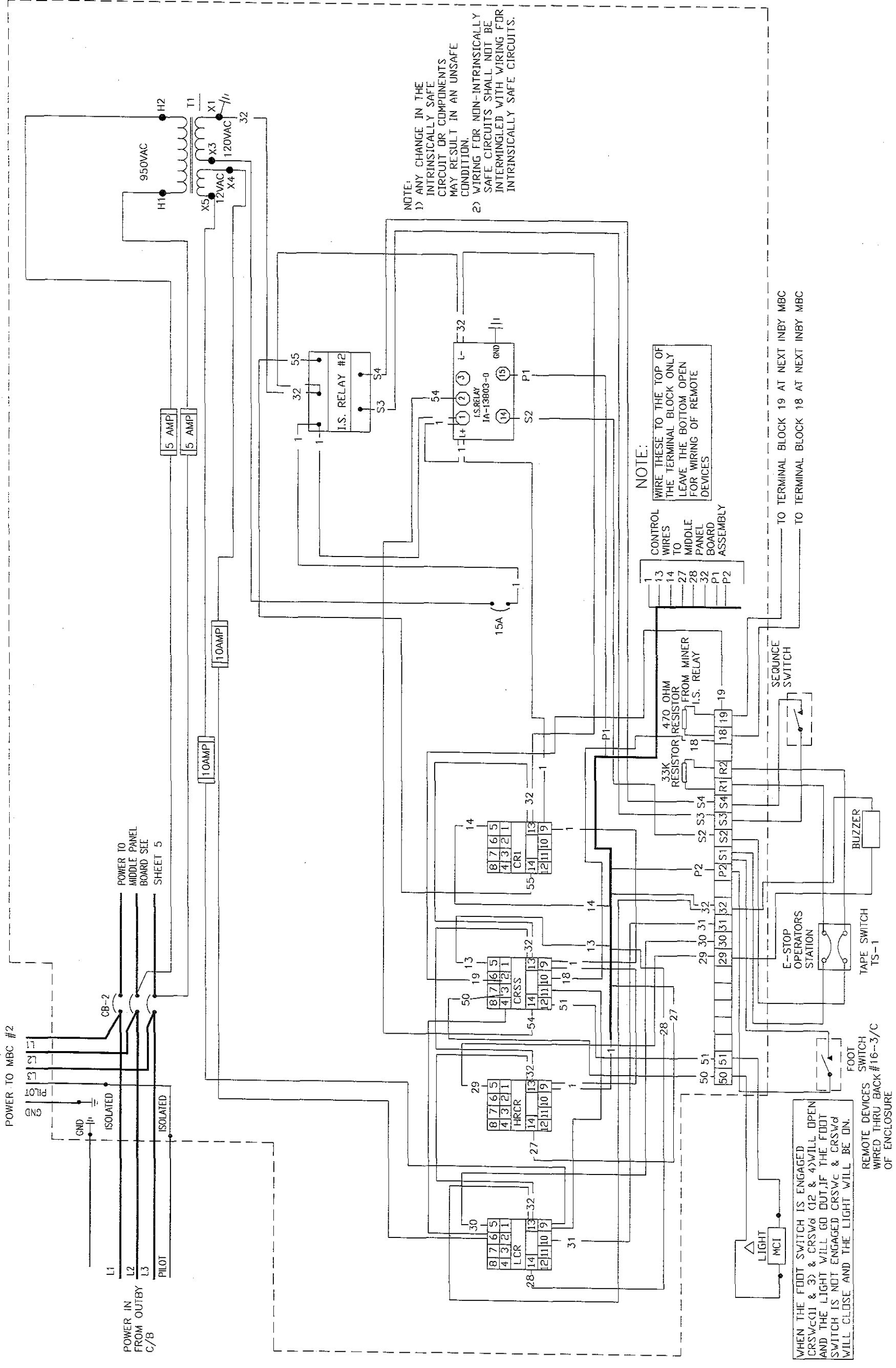
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NOTE:
 1) ANY CHANGE IN THE INTRINSICALLY SAFE CIRCUIT OR COMPONENTS MAY RESULT IN AN UNSAFE CONDITION.
 2) WIRING FOR NON-INTRINSICALLY SAFE CIRCUITS SHALL NOT BE INTERMINGLED WITH WIRING FOR INTRINSICALLY SAFE CIRCUITS.

NOTE:
 WIRE THESE TO THE TOP OF THE TERMINAL BLOCK ONLY LEAVE THE BOTTOM OPEN FOR WIRING OF REMOTE DEVICES

CONTROL WIRES TO MIDDLE PANEL BOARD ASSEMBLY

TO TERMINAL BLOCK 19 AT NEXT INBY MBC
 TO TERMINAL BLOCK 18 AT NEXT INBY MBC

WHEN THE FOOT SWITCH IS ENGAGED CRSWc(1 & 3) & CRSWd (2 & 4) WILL OPEN AND THE LIGHT WILL GO OUT. IF THE FOOT SWITCH IS NOT ENGAGED CRSWc & CRSWd WILL CLOSE AND THE LIGHT WILL BE ON.
 REMOTE DEVICES SWITCH WIRED THRU BACK #16-3/C OF ENCLOSURE

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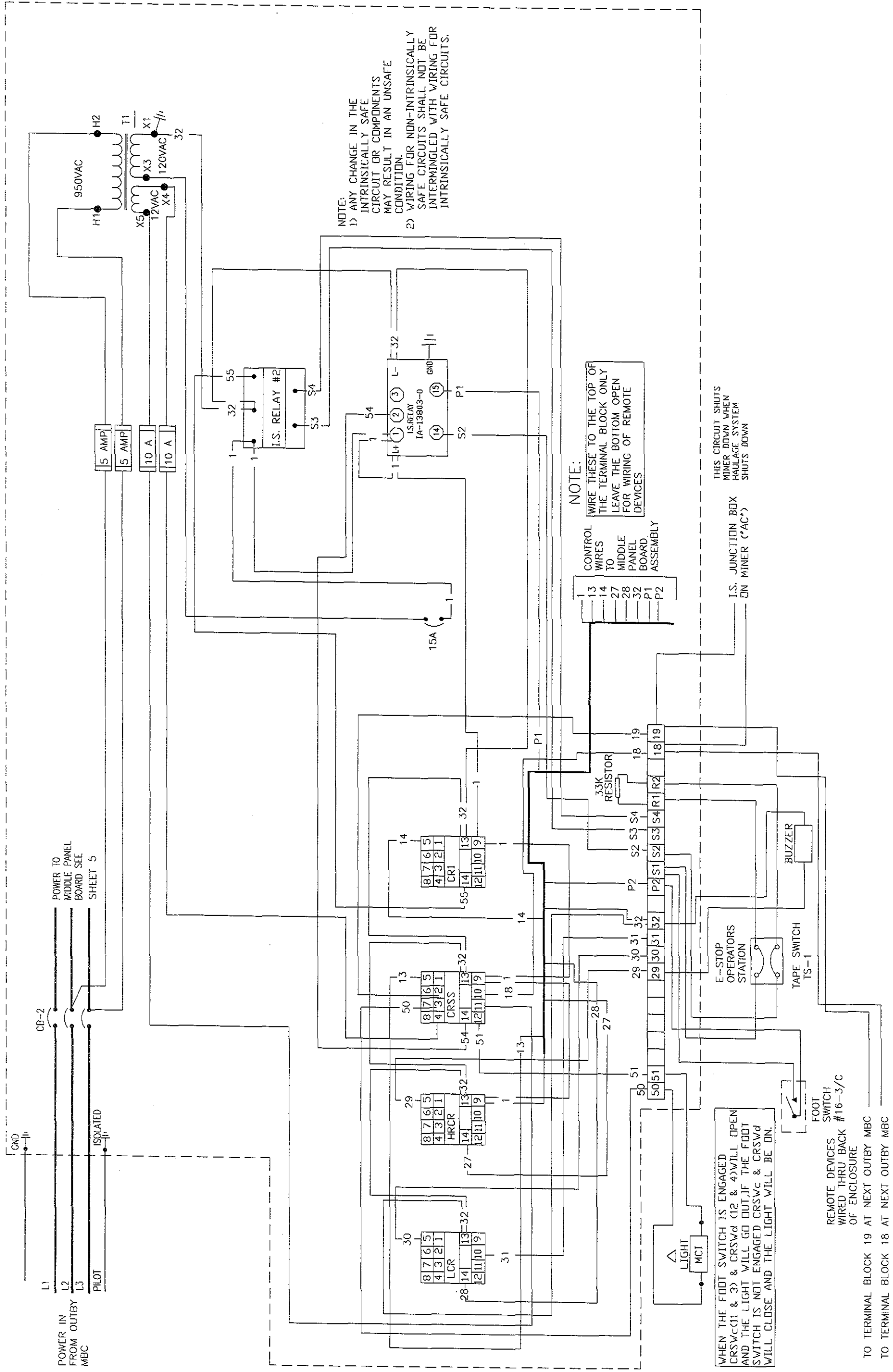
4041 WURNO ROAD
 PULASKI, VA 24301-7006
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ASSEMBLY [LEFT PANEL BOARD]
REVISION: H
26.01.2009

LISTNUMBER : 280257
SAP-No.: 280257
WEIGHT LBS :

ITEM	QTY	UNIT	DESCRIPTION	SAP-No.	PART NO.	WEIGHT Lbs	PAGE NO.
1	1	EA	BOARD [LEFT PANEL]	335628	DBT335628		
2	1	EA	BREAKER [250 AMP CIRCUIT]	269638	L-LUP01445		
3	6	EA	TERMINAL [PANEL BOARD]	273650	L-491663X4		
4	1	EA	TRANSFORMER [CONTROL]	242393	L-016844		
5	14	EA	BLOCK [TERMINAL]	214440	L-A2538		
6	2	EA	PLATE [RETAINER]	207962	L-A2540		
7	2	EA	CLIP [RETAINER]	210797	L-A2541		
8	5	IN	CHANNEL [MOUNTING]	217345	L-A2539		
9	4	EA	RELAY [3A]	237582	L-27237827		
10	4	EA	BASE [5A RELAY]	242100	L-27237828		
11	1	EA	UNIT [SWITCHING]	269827	L-492314		
12	1	EA	RELAY [ISOLATER]	207633	L-LUP00403		
13	1	EA	RESISTOR [33K OHMS-1/2 WATT]	250361	L-016965-2		
14	1	EA	TAG [MSHA EVALUATION]	212901	L-9641000095		
15	1	EA	BREAKER [15 AMP CIRCUIT]	230784	L-490700X5		
16	2	EA	CLIP [RETAINING]	243008	L-491635X9		
17	2	EA	FUSE [5 AMP/1000V]	210431	L-490218		
18	2	EA	HOLDER [FUSE]	227125	L-490218X1		
19	2	EA	CLIP [FUSE]	215766	L-A2537		
20	2	EA	FUSE [10 AMP/250V]	239209	L-99507X6		



NOTE:
 1) ANY CHANGE IN THE INTRINSICALLY SAFE CIRCUIT OR COMPONENTS MAY RESULT IN AN UNSAFE CONDITION.
 2) WIRING FOR NON-INTRINSICALLY SAFE CIRCUITS SHALL NOT BE INTERMINGLED WITH WIRING FOR INTRINSICALLY SAFE CIRCUITS.

NOTE:
 WIRE THESE TO THE TOP OF THE TERMINAL BLOCK ONLY LEAVE THE BOTTOM OPEN FOR WIRING OF REMOTE DEVICES

THIS CIRCUIT SHUTS MINER DOWN WHEN HAULAGE SYSTEM SHUTS DOWN

WHEN THE FOOT SWITCH IS ENGAGED CRSWC(1) & 3) & CRSWd (12 & 4) WILL OPEN AND THE LIGHT WILL GO OUT. IF THE FOOT SWITCH IS NOT ENGAGED CRSWC & CRSWd WILL CLOSE AND THE LIGHT WILL BE ON.

REMOTE DEVICES WIRED THRU BACK #16-3/C OF ENCLOSURE

TO TERMINAL BLOCK 19 AT NEXT OUTBY MBC
 TO TERMINAL BLOCK 18 AT NEXT OUTBY MBC

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**ASSEMBLY [LEFT PANEL BOARD]****REVISION: H****26.01.2009****LISTNUMBER : 280257****SAP-No.: 280257****WEIGHT LBS :**

ITEM	QTY	UNIT	DESCRIPTION	SAP-No.	PART NO.	WEIGHT Lbs	PAGE NO.
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4	1	EA	TRANSFORMER [CONTROL]	242393	L-016844		
5	14	EA	BLOCK [TERMINAL]	214440	L-A2538		
6	2	EA	PLATE [RETAINER]	207962	L-A2540		
7	2	EA	CLIP [RETAINER]	210797	L-A2541		
8	5	IN	CHANNEL [MOUNTING]	217345	L-A2539		
9	4	EA	RELAY [3A]	237582	L-27237827		
10	4	EA	BASE [5A RELAY]	242100	L-27237828		
11	1	EA	UNIT [SWITCHING]	269827	L-492314		
12	1	EA	RELAY [ISOLATER]	207633	L-LUP00403		
13	1	EA	RESISTOR [33K OHMS-1/2 WATT]	250361	L-016965-2		
14	1	EA	TAG [MSHA EVALUATION]	212901	L-9641000095		
15	1	EA	BREAKER [15 AMP CIRCUIT]	230784	L-490700X5		
16	2	EA	CLIP [RETAINING]	243008	L-491635X9		
17	2	EA	FUSE [5 AMP/1000V]	210431	L-490218		
18	2	EA	HOLDER [FUSE]	227125	L-490218X1		
19	2	EA	CLIP [FUSE]	215766	L-A2537		
20	2	EA	FUSE [10 AMP/250V]	239209	L-99507X6		

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ASSEMBLY [JUNCTION BOX]
REVISION: B
09.01.2009

LISTNUMBER : 377071
SAP-No.: 377071
WEIGHT LBS :

ITEM	QTY	UNIT	DESCRIPTION	SAP-No.	PART NO.	WEIGHT Lbs	PAGE NO.
1	1	EA	ENCLOSURE [JIC FOR OIL TANK]	210581	L-96886		
2	1	EA	PLATE [MOUNTING]	131869	BUC624433		
3	1	EA	CONNECTOR [CORD]	624433	L-0015569014		
4	1	EA	CONNECTOR [WATERTIGHT STRAIN]	216221	L-90360X6		
5	0.54	IN	CHANNEL [MOUNTING]	217345	L-A2539		
6	4	EA	BLOCK [TERMINAL]	214440	L-A2538		
7	2	EA	PLATE [RETAINER]	207962	L-A2540		
8	2	EA	CLIP [RETAINER]	210797	L-A2541		
9	1	EA	NUT [LOCK] 3/4"	220379	L-90363X6		

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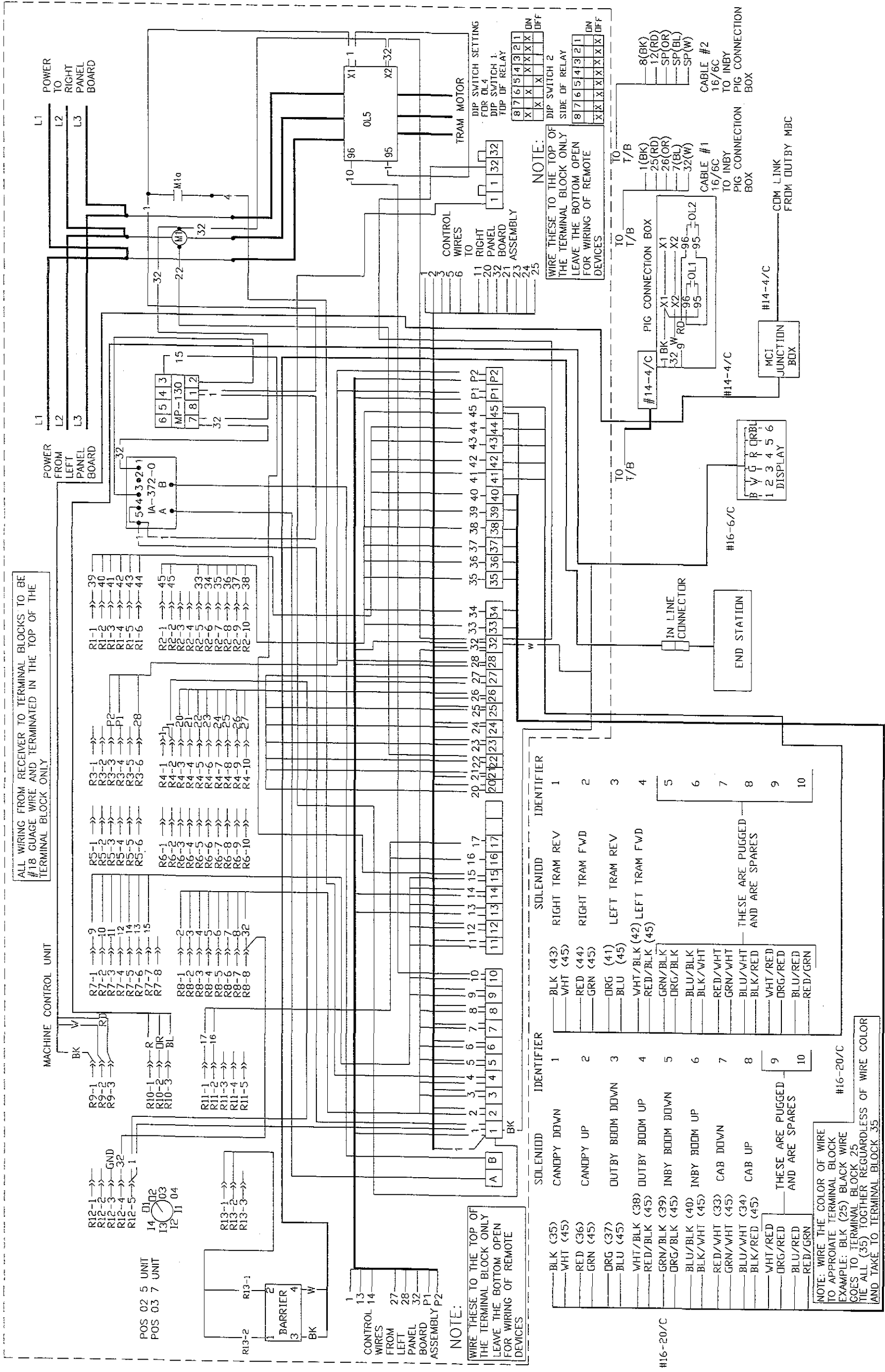
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STATION [UMBILICAL CONTROL]
REVISION: A
08.02.2006

LISTNUMBER : L-LUP01405
SAP-No.: 267646
WEIGHT LBS :

ITEM	QTY	UNIT	DESCRIPTION	SAP-No.	PART NO.	WEIGHT Lbs	PAGE NO.
1	1	EA	TOGGLE SWITCH ASSEMBLY [SPRING RETURN/DETENT]	277633	L-LUP01741		
2	9	EA	TOGGLE SWITCH ASSEMBLY [3-POSITION MOMENTARY]	277635	L-LUP01742		
3	4	EA	TOGGLE SWITCH ASSEMBLY [2-POSITION DETENT]	277637	L-LUP01743		
4	2	EA	ASSEMBLY [JOYSTICK]	277639	L-LUP01744		



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ASSEMBLY [LEFT PANEL BOARD]
REVISION: H
26.01.2009

LISTNUMBER : 280257
SAP-No.: 280257
WEIGHT LBS :

ITEM	QTY	UNIT	DESCRIPTION	SAP-No.	PART NO.	WEIGHT Lbs	PAGE NO.
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3	6	EA	TERMINAL [PANEL BOARD]	273650	L-491663X4		
4	1	EA	TRANSFORMER [CONTROL]	242393	L-016844		
5	14	EA	BLOCK [TERMINAL]	214440	L-A2538		
6	2	EA	PLATE [RETAINER]	207962	L-A2540		
7	2	EA	CLIP [RETAINER]	210797	L-A2541		
8	5	IN	CHANNEL [MOUNTING]	217345	L-A2539		
9	4	EA	RELAY [3A]	237582	L-27237827		
10	4	EA	BASE [5A RELAY]	242100	L-27237828		
11	1	EA	UNIT [SWITCHING]	269827	L-492314		
12	1	EA	RELAY [ISOLATER]	207633	L-LUP00403		
13	1	EA	RESISTOR [33K OHMS-1/2 WATT]	250361	L-016965-2		
14	1	EA	TAG [MSHA EVALUATION]	212901	L-9641000095		
15	1	EA	BREAKER [15 AMP CIRCUIT]	230784	L-490700X5		
16	2	EA	CLIP [RETAINING]	243008	L-491635X9		
17	2	EA	FUSE [5 AMP/1000V]	210431	L-490218		
18	2	EA	HOLDER [FUSE]	227125	L-490218X1		
19	2	EA	CLIP [FUSE]	215766	L-A2537		
20	2	EA	FUSE [10 AMP/250V]	239209	L-99507X6		

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ASSEMBLY [JUNCTION BOX]
REVISION: B
09.01.2009

LISTNUMBER : 377071
SAP-No.: 377071
WEIGHT LBS :

ITEM	QTY	UNIT	DESCRIPTION	SAP-No.	PART NO.	WEIGHT Lbs	PAGE NO.
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5	0.54	IN	CHANNEL [MOUNTING]	217345	L-A2539		
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7	2	EA	PLATE [RETAINER]	207962	L-A2540		
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ASSEMBLY [TRAM CIRCUIT]
REVISION: E
26.01.2009

LISTNUMBER : 335794
SAP-No.: 335794
WEIGHT LBS :

ITEM	QTY	UNIT	DESCRIPTION	SAP-No.	PART NO.	WEIGHT Lbs	PAGE NO.
1	1	EA	ADAPTOR [REDUCER]	219425	L-111078X1		
2	1	EA	ADAPTOR [TEE]	215546	L-111012X20		
3	1	EA	ADAPTOR [STRAIGHT] [REFERENCE]	317567	DBT317567		
4	1	EA	ADAPTOR [STRAIGHT]	246521	L-111093X12X22		
5	4	EA	ADAPTOR [90 DEGREE]	205839	L-111094X12X22		
6	2	EA	ADAPTOR [90 DEGREE]	216172	L-111011X12		
7	4	EA	ADAPTOR [90 DEGREE]	219282	L-111015X16		
8	1	EA	ADAPTOR [REDUCER]	253374	L-H1044X2		
9	2	EA	ADAPTOR [STRAIGHT]	235563	L-111013X12		
10	4	EA	ELBOW [90 DEGREE]	237410	L-9281000016		
11	1	EA	ADAPTOR [REDUCER]	243780	L-111078X7		
12	1	EA	ADAPTOR [90 DEGREE]	226254	L-111015X4		
13	6	EA	ADAPTOR [UNION]	226596	L-111023X2		
14	4	EA	ADAPTOR [UNION]	225674	L-111023X16		
15	1	EA	ADAPTOR [REFERENCE]	268758	L-LUP01443		
16	3	EA	BUSHING [REDUCER]	242975	L-111002X10		
17	1	EA	ADAPTOR [90 DEGREE]	244566	L-LUP01052		
18	1	EA	SPLIT FLANGE [45 DEGREE]	241263	L-111061X7		
19	3	EA	ADAPTOR [90 DEGREE]	340202	DBT340202		
20	1	EA	ADAPTOR [TEE]	253334	L-111043X12		
21	1	EA	ADAPTOR [TEE]	215558	L-111012X4		
22	1	EA	ADAPTOR [TEE]	251939	L-111045X8		
23	5	EA	ADAPTOR [STRAIGHT]	248912	L-111013X16		
24	3	EA	ADAPTOR [90 DEGREE]	214091	L-111015X12		
25	2	EA	ADAPTOR [STRAIGHT]	236245	L-111093X4X14		
26	1	EA	ADAPTOR [STRAIGHT]	238647	L-111094X6X22		
27	4	EA	BUSHING [REDUCER]	209970	L-111002X15		
28	1	EA	KIT [BOLT/O-RING] [REFERENCE]	268926	L-LUP01446		
29	4	EA	ADAPTOR [90 DEGREE]	255464	L-141060X6-2		
30	2	EA	ADAPTOR [UNION]	208486	L-111023X12		
31	7	EA	ADAPTOR [90 DEGREE]	220590	L-H1047X4		
32	2	EA	ADAPTOR [STRAIGHT]	218277	L-H855X3		
33	4	EA	ADAPTOR [REDUCER]	231558	L-H1044X23		
34	4	EA	ADAPTOR [90 DEGREE]	252305	L-H856X4		
35	1	EA	ADAPTOR [45 DEGREE]	218780	L-111029X7		
36	1	EA	ASSEMBLY [TRAM CIRCUIT HOSE]	332633	L-107000FJX1-1-162		

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