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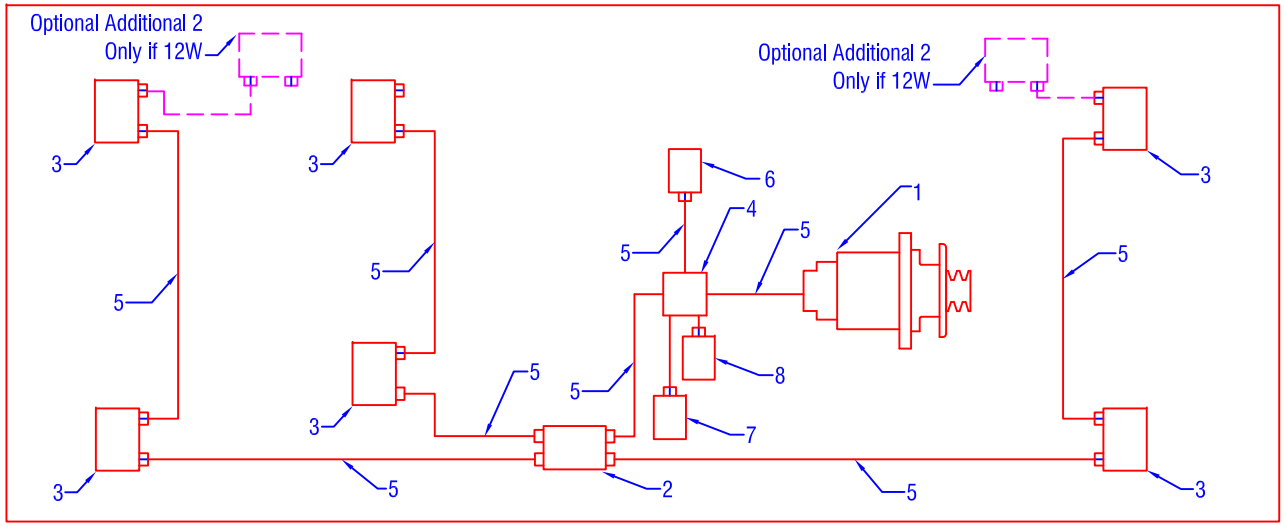
NOTES:
1. All hose conduit is flame resistant as per 30 CFR, 18.65, and oil resistant.
2. All electrical cables are enclosed in hose conduit.
3. Headlights are protected by guards or by machine location.
4. All unused glands are plugged and tack-welded.
5. All electrical cables are isolated from hydraulic lines.
6. All intercomponent cables are clamped in place to prevent undue movement.



1. The Electrical System Schematic Diagram is drawing M261-012-01.
2. The Electrical Permissibility Checklist is M261-008-01.
3. A Diesel Electric Evaluation plate shall be located in the operator's compartment and shall be attached with adhesive or mechanical fasteners.

NOTE:
IF 12W HEADLIGHTS ARE USED, QUANTITY MAY INCREASE UP TO 10.

MODEL M261-03

BILL of MATERIAL

ITEM	QTY	MANUFACTURER	MFG MODEL NUMBER	DESCRIPTION	CERT. NO.
1	1	DST (FPA15-000)	M500-521-01	ALTERNATOR, 12 VOLT, 300 W	07-JA040001-0
2	1	MINING CONTROLS	35400	HEADLIGHT SWITCH	XP3844-1
2 ALT	1	MINING CONTROLS	34551	HEADLIGHT SWITCH	18-XPA050010-0
3	6	MINING CONTROLS	MCI50XP	HEADLIGHT, 12 VOLT, 50W, 35W, or 12W	XP3938-0,-1
3 ALT	6	OCENCO	HE-50	HEADLIGHT, 12 VOLT, 50 W	XP3221-0
3 ALT	6	KERSEY	12880	HEADLIGHT, 12 VOLT, 35 W	XP1468-31
3 ALT	6	KERSEY	12880-4	HEADLIGHT, 12 VOLT, 35 W	XP1468-16
4 OPTIONAL	1	MINING CONTROLS	35400	CONNECTION BOX	XP3844-1
6 OPTIONAL	1	MINING CONTROLS	27434-LP	STROBELIGHT, 12 VOLT, 5 W	XP3843-2
7 OPTIONAL	1	MINING CONTROLS	SEE DST DRAWING M261-022-01, Alt M261-022-02	CAMERA SYSTEM, 12 VOLT, 2.2 AMPS	XP3844-1 XP3938-0,-1
8 OPTIONAL	1	APPALACHIAN ELECTRONIC	SEE DST DRAWING M261-015-01	METHANE MONITOR SYSTEM	32A-02MD-0

CABLE and CONDUIT

ITEM	CABLE	CONDUIT
5	12/3 Type SJOOW, 300V, 0.44 ± 0.02 OD, -40°C to 90°C	3/4" ID, FLAME RESISTANT

DO NOT CHANGE THIS DRAWING WITHOUT MSHA APPROVAL

TOLERANCES
Linear unless noted
Machined: ±0.005
Fabricated: ±0.01
Angular: ±1/2°
Surface finish 125

REV	DATE	NAME	DESCRIPTION
03	0115	RG	Add Alt M261-022-02
02	1012	RG	Add Items 6,7, 12W
01	1210	RG	Add 2 ALT

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DESCRIPTION: ELECTRICAL SUMMARY SHEET
NO REQ'D
SCALE: FULL
DATE: Jan 27, 2010
DRAWN BY: R GIBBS
MATERIAL: See Detail Drawings
APPROVED BY
DRAWING NO: **M261-011-01**