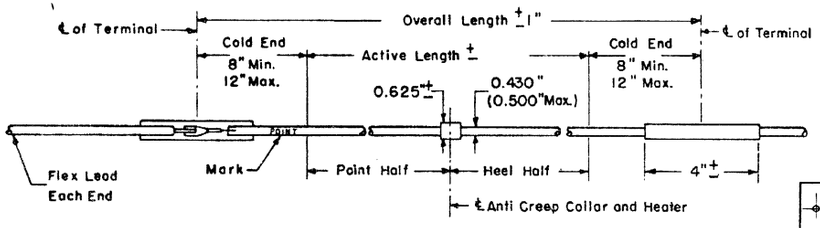
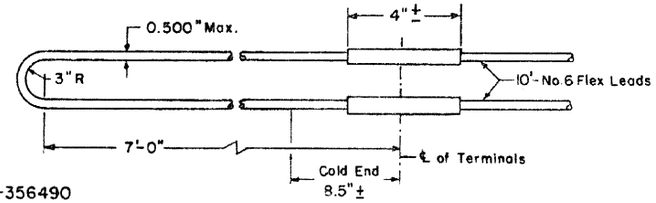
TABLE FOR TUBULAR SWITCH HEATERS

TYPE	TURNOUT NO.	LENGTH OF SWITCH RAIL	OVERALL HEATER LENGTH C. to C.	ACTIVE LENGTH	WATTS PER FOOT OF ONE HEATER		WATTS PER HEATER	AMPERES PER HEATER		LEAD SIZE (AWG)		LEAD LENGTH		NO OF CLAMPS	ACCOUNT AND REFERENCE NUMBER (480V)	ACCOUNT AND REFERENCE NUMBER (240V)	TOTALS PER SWITCH 2 RAILS & 2 ROD HEATERS			REMARKS
					POINT HALF	HEEL HALF		480V	240V	480V NO.	240V NO.	POINT	HEEL				KW	480V-AMPS	240V-AMPS	
A	4/6	10'-0"	10'-3"	8'-3"	400W- Full Length		3,300	6.9	13.8	6	6	10'	10'	6	01-356003	01-356110	10.2	21.3	42.6	
B	6/8	13'-0"	13'-0"	11'-0"	400W- Full Length		4,400	9.2	18.4	6	6	10'	10'	8	01-356011	01-356128	12.4	25.9	51.8	
C	6/8	13'-0"	13'-0"	11'-0"	400W / 7'-0"	200W / 4'-0"	3,600	7.5	15.0	6	6	10'	10'	8	01-356029	01-356136	10.8	22.5	45.0	
D	6/8	15'-0"	15'-3"	13'-3"	400W- Full Length		5,300	11.1	22.2	6	6	10'	10'	9	01-356037	01-356144	14.2	29.6	59.2	Alternate For Type "F"
E	6/8	15'-0"	15'-3"	13'-3"	400W / 6'-7½"	200W / 6'-7½"	3,975	8.3	16.6	6	6	10'	10'	9	01-356045	01-356151	11.6	24.2	48.4	Alternate For Type "G"
F	8/10	16'-6"	17'-6"	15'-6"	400W-Full Length		6,200	12.9	25.8	6	6	10'	10'	11	01-356052	01-356169	16.0	33.4	66.8	
G	8/10	16'-6"	17'-6"	15'-6"	400W / 7'-9"	200W / 7'-9"	4,650	9.7	19.4	6	6	10'	10'	11	01-356060	01-356177	12.9	26.9	53.8	
H	8/10	20'-0"	20'-3"	18'-3"	400W / 9'-1½"	200W / 9'-1½"	5,475	11.4	22.8	6	6	10'	10'	12	01-356078	01-356185	14.6	30.3	60.6	
I	15/16	26'-0" / 30'-0"	26'-0"	24'-0"	400W / 12'-0"	200W / 12'-0"	7,200	15.0	30.0	6	6	10'	20'	16	01-356086	01-356193	18.0	37.5	75.0	
J	18/20	33'-0" / 39'-0"	34'-0"	32'-0"	400W / 16'-0"	200W / 16'-0"	9,600	20.0	40.0	6	6	10'	20'	21	01-356094	01-356201	22.8	47.5	95.0	
K	20	45'-0"	39'-0"	37'-0"	400W / 18'-6"	200W / 18'-6"	11,100	23.2	46.3	6	6	10'	20'	24	01-356102	01-356219	25.8	53.8	107.6	

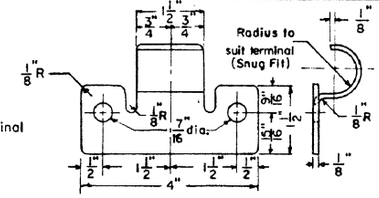


TUBULAR SWITCH HEATER



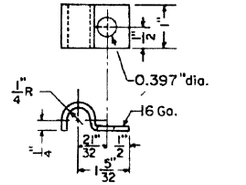
240V-Acct.No. 01-356490
480V-Acct.No. 01-356482

SWITCH ROD HEATER



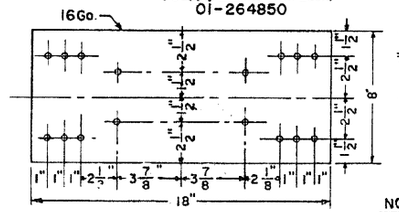
TERMINAL CLAMP

(Supply 2 Bolts With Each)
01-264850



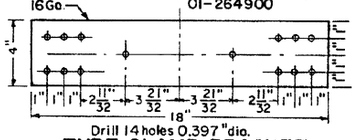
TUBE CLAMP

(Supply 1 Bolt With Each)
01-264900



TERMINAL CLAMP BRACKET

Drill 16 holes 0.396" dia.
01-254505



Drill 14 holes 0.397" dia.

TUBE CLAMP BRACKET

01-254554

NOTE: Bolts to attach clamps to brackets are ⅜" x 1¼" with nut and lock washer. Lag screws to attach brackets to ties are ⅜" x 2". 4 lag screws supplied with each bracket.

HARDWARE FOR ROD HEATERS

NOTES

1- Rod heaters are used on all switches unless otherwise noted. Two (2) heaters are used per switch with a locking rod. One (1) heater is used per switch without a locking rod.

2- All parts, including bolts, nuts and washers to be hot dipped galvanized steel or stainless steel. Galvanizing per A.S.T.M.-A153 latest revision.

MATERIAL LIST

Tubular Switch Heater - Single electric snow melting heater: - voltage, length and heat rating as shown in table above. Terminals to be non-separable and hermetically sealed with copper flexible oil resistant 600 volts insulated leads, size and length as shown in table. Heater sheath to be stainless steel No. 321 or No. 347 with anti-creep collar and coiled to a 6' diameter for shipment. Anneal sheath as required for coiling. Mark high watt end of heater "Point". Provide complete with all necessary hardware including 2 terminal clamps, heater supports (number shown in table) and bolts. Heater to be constructed per A.R.E.A., Chapter 33, Part 6.1.3 and 6.1.5 dated Dec. 1976 or latest revision, except as modified here in. Heater shall successfully pass all A.R.E.A. tests.

Switch Rod Heater (Hairpin) - Electric tubular bent to form a "U" with a 3" radius and legs 7'-0" long. Total wattage is 1800, otherwise constructed similar to "Tubular Switch Heater" as above except leads are No. 6 A.W.G. and 10' long. Do not coil. Provide complete with 2 sets mounting clamps (sliding fit) and 1 set of terminal clamps (snug fit) and all necessary hardware.

CONRAIL

73700-A
Sheet 2 of 2

STANDARD

ELECTRIC SWITCH HEATERS

FOR NOS. 4, 6, 8, 10, 15, 16, 18 and 20 TURNOUTS

H. Alexander
Chief Engineer - Communications & Signals

R.H. Smith
Chief Engineer - Maintenance of Way

JUNE, 1979

R.R. Gordon
Chief Engineering Officer