



NOTES Cont.:

- 6. FACE SOLAR ARRAY TO THE SOUTH - SEE AMERESCO INSTALLATION MANUAL.
- 7. SPACE ITEM 19 FIVE FEET APART.
- 8. SPACE ITEM 9 THREE FEET AND FOUR INCHES APART.
- 9. SPACE ITEMS 23 TWO AND A HALF FEET APART.

ITEM	PART #	MATERIAL	QTY
1		SOLAR ARRAY PANEL BRACKET	1
2		SOLAR ARRAY PANEL, 150J-V	1
3		SOLAR ARRAY CONTROL AND BATTERY ENCLOSURE	1
4	15010	AMI RELAY (5.0)	1
5	15028	AMI RELAY ANTENNA	1
6	8528	ANTENNA MOUNT	1
7	8332	STREET LIGHT ARM, 2" X 4"	1
8	8248-2	2" SECHEDULE 40 PIPE, 10'	1
9	9291	STAND OFF BRACKET - 6"	4
9	9155-2	CLAMP STRUT ASSY 2" BLINE GRC	4
10	15044	CABLE, RELAY TO ARRY CONTROL - 27'	1
11	15046	CABLE, RELAY COAXIAL - 40'	1

ITEM	PART #	MATERIAL	QTY
12	8530	BRACKET, RELAY POLE MOUNT	1
13	9110	BOLT, LAG 1/2" X 4"	8
14		CABLE, ARRAY CONTROL/POWER CABLE - 15'	1
15	9372	BOLT, MACHINE 5/8" X REG'D LENGTH	1
16	9091	WASHER, SQUARE 2" X 2"	1
17	9096	LOCKNUT, 5/8"	1
18	8240-1	CONDUIT, 1" SCHEDULE 40	2
19	9160-1	1" PIPE STRAP	5
20	9109	BOLT, LAG - 1/4" X 2.5"	10
21	9222	KELLEM GRIP - 0.35" -0.44" CABLE	1
22	9107	J-HOOK LAG BOLT	1
23	9498	CUSHIONED P-CLIP	3

NOTES:

- 1. COAXIAL CABLE RUNS FROM BOTTOM OF RELAY TO ANTENNA.
- 2. CABLE FROM SOLAR CONTROL ENCLOSURE FROM DC CONNECTOR TO BATTERY PORT CONNECTOR ON RELAY.
- 3. INSTALL SOLAR ARRAY CONTROL AND BATTERY ENCLOSURE 60 TO 66 INCHES ABOVE GROUND LINE. IF LOCATED IN AREAS WHERE LIVESTOCK ARE PASTURED, INSTALL ENCLOSURE SO BOTTOM OF BOX IS AT 8 FEET ABOVE GROUND.
- 4. OPTIMUM ANTENNA HEIGHT = 25' FROM GROUND.
- 5. MINIMUM VERTICAL CLEARANCE FROM LOWEST TRANSMISSION EQUIPMENT TO TOP OF AMI ASSEMBLY (RUS 1724E-200 TABLE 16-1)
 - A. 69KV = 8'
 - B. 115KV = 9'
 - C. 230KV = 10'

AMI RELAY SOLAR ARRAY ASSEMBLY

RUS
11/05/19
REV. 0



AMI2.4