

NOTES: CONSTRUCTION SHALL BE DONE SUCH THAT:

- 1. THE GUARD WIRE IS 10" ABOVE AND IN THE SAME TRENCH AS THE POWER CABLES RUNNING FROM STATION TO STATION. THE GUARD WIRE IS A 1/0 BARE WIRE BONDED TO GROUND RODS AT MALS BARS, RAIL FLASHER, AND MIDWAY BETWEEN INTERFACE JUNCTION BOX AND SHELTER.
- 2. AT THE MALSR CONTROL CABINET, ALL UNUSED CONDUCTORS OF THE CONTROL CABLE ARE GROUNDED. ELSEWHERE, ALL CONDUCTORS WHICH ARE NOT USED ARE TURNED BACK AND INSULATED, AND DRESSED FLAT AGAINST THE INTERIOR OF THE JB-2 BOX.
- 3. THE FLASHERS FIRE IN SEQUENCE TOWARD THE RUNWAY, STARTING AT THE OUTERMOST UNIT. CONTROL TERMINALS 9 (MEDIUM INTENSITY STEP) AND 10 (HIGH INTENSITY STEP) ARE COMMON FOR ALL FLASHERS. EACH FLASHER REQUIRES AN INDIVIDUAL CONDUCTOR FOR THE TRIGGER CIRCUIT. FLASHERS ARE NUMBERED IN FIRING SEQUENCE PER THIS SHEET.
- 4. THE WIRES RUNNING FROM EACH FLASHER INDIVIDUAL CONTROL CABINET (ICC) TO THE FLASHER SPADE LUG CONNECTORS ARE 1/C, 3000V WIRES WHICH COME WITH THE FLASHER EQUIPMENT. IF ADDITIONAL WIRE QUANTITIES ARE NEEDED, THE CONTRACTOR SHALL FURNISH THEM. THE WIRES MUST MEET MILITARY SPECIFICATION MIL-76B.
- CONNECTION IS MADE TO THE TRANSFORMER TAP WHICH GIVES THE VOLTAGE CLOSEST TO 120/240V AT THE MALS DISTRIBUTION PANEL ASSEMBLY WHEN LAMPS ARE BURNING AT THE HIGH BRIGHTNESS STEP.
- THE LUGS OF TB1 IN THE JB-2 BOXES AND LUGS 10, 11, 12, OF 1TB1 IN THE MALSR CONTROL CABINET ARE REPLACED WITH LUGS LARGE ENOUGH TO ACCEPT THE CABLES INDICATED.
- 7. ITEM 3 IS HEAVY DUTY NEMA 1 DISCONNECT SWITCH PER SPECIFICATION FAA-GL-918C, PARAGRAPH 16.A13.
- 8. ITEM (10) IS A 100A, 12POLE SPACE, NEMA 3R PANELBOARD PER SPECIFICATION FAA-GL-D-918C, PARAGRAPH 15A.14.
- 9. ITEM (12) IS A 24" x 30" x 8" STAINLESS STEEL NEMA 4X ENCLOSURE W/ INTERIOR PANEL AND W/TERMINAL BLOCKS AND MISC. ITEMS SHOWN ON SYSTEM WIRING DIAGRAM 2.

(S	EE SHEET 2 C	F 2)					
FROM STA	TO STA	A	В	C	D	E	F	Τ
117+30	119+25	1					3	Γ
119+25	121+25	2	2				3	Γ
121+25	123+25	2.	3				3	Г
123+25	125+25	3	3	2			3	Γ
125+25	127+25	3	3	3			3	Τ
127+25	129+25	2		3	3	1		T
129+25	131+20	2		2	3	1		Г
MALSR SHELTER	127+25	1			3	2	3	T
131+25	135+15	1			3	1		Т
133+20	137+10	1	3			1		T
135+15	139+05	1	3			1		Т
137+10	141+25	1	3			1		Γ
A-1/C +6 BARE CO	PPER GROUNDI	VG (CON	DUC	TO	R		-
B-1/C +4 TYPE U.S.E. POWER CABLE								
C=1/C =6 TYPE U.S.E. POWER CABLE								
D-1/C +2 TYPE U.S.E. POWER CABLE								
E-12 PR +19 CONTE	OL CABLE			•				

FAA DWG DEC-GL-D-6606-11-4-S1

BL058 K:/BLOOMINGTONAP/0308503 File: SYSTEM_WIRING_DIAGRAM_1 UPDATE: 10-28-2004 DATE: 11-01-2004 XREF DWG: TB

REVISIONS							
NUMBER	BY	DATE					
^	4	•					

THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

BLOOMINGTON-NORMAL AIRPORT AUTHORITY CENTRAL ILLINOIS REGIONAL AIRPORT BLOOMINGTON, ILLINOIS DIAGRAM WIRING **SYSTEM** CK DRAWN BY: CMT CHECKED BY: APPROVED BY: 12/25/2004 030850300 JOB No: SHEET 22 OF 43 SHEET