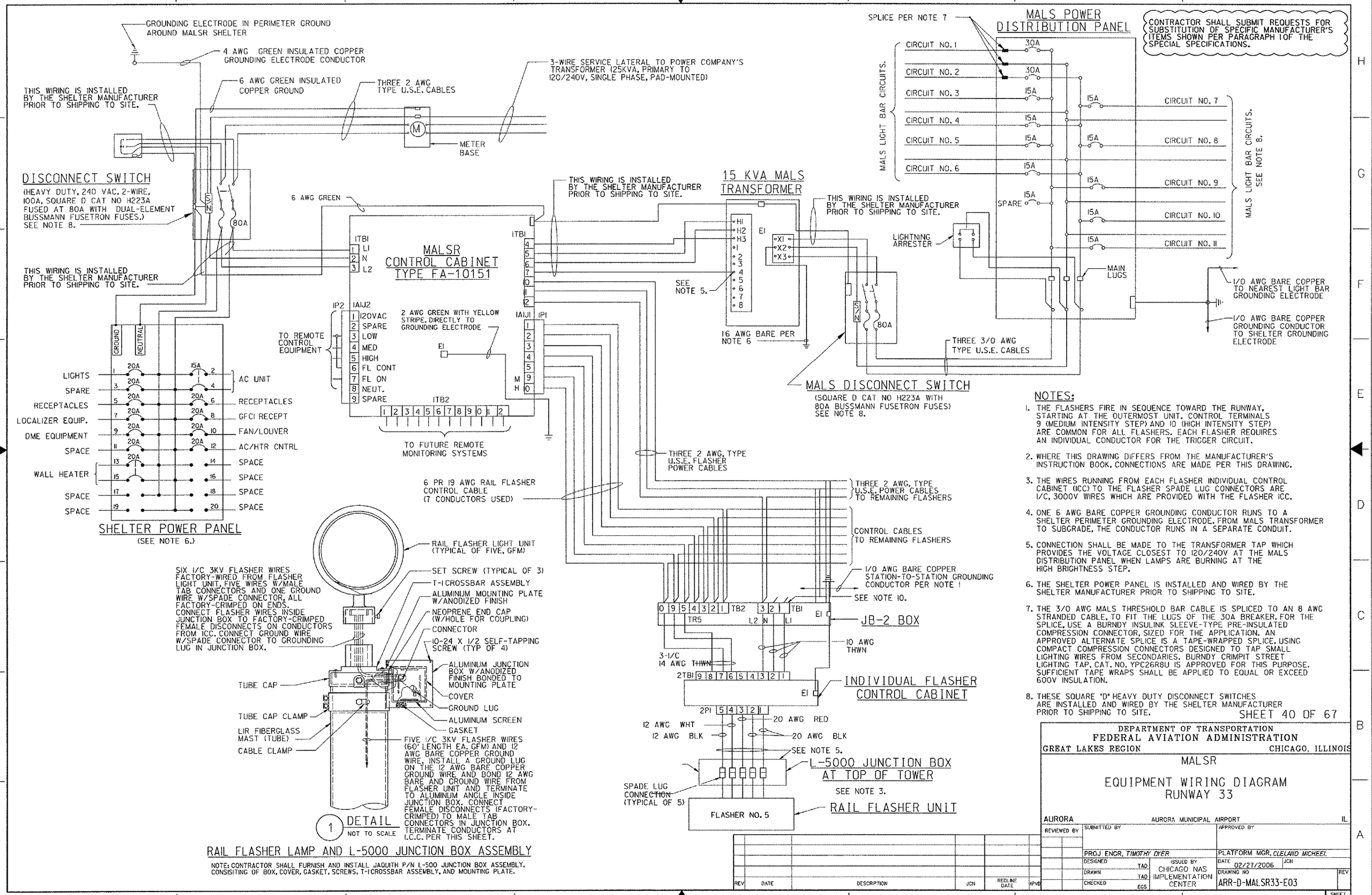

NOTES:

1. 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.
2. WHERE THIS DRAWING DIFFERS FROM THE MANUFACTURER'S INSTRUCTION BOOK, CONNECTIONS ARE MADE PER THIS DRAWING.
3. THE WIRES RUNNING FROM EACH FLASHER INDIVIDUAL CONTROL CABINET (ICC) TO THE FLASHER SPADE LUG CONNECTORS ARE 1/C, 3000V WIRES WHICH ARE PROVIDED WITH THE FLASHER ICC.
4. ONE 6 AWG BARE COPPER GROUNDING CONDUCTOR RUNS TO A SHELTER PERIMETER GROUNDING ELECTRODE, FROM MALS TRANSFORMER TO SUBGRADE, THE CONDUCTOR RUNS IN A SEPARATE CONDUIT.
5. CONNECTION SHALL BE MADE TO THE TRANSFORMER TAP WHICH PROVIDES THE VOLTAGE CLOSEST TO 120/240V AT THE MALS DISTRIBUTION PANEL WHEN LAMPS ARE BURNING AT THE HIGH BRIGHTNESS STEP.
6. THE SHELTER POWER PANEL IS INSTALLED AND WIRED BY THE SHELTER MANUFACTURER PRIOR TO SHIPPING TO SITE.
7. THE 3/0 AWG MALS THRESHOLD BAR CABLE IS SPLICED TO AN 8 AWG STRANDED CABLE, TO FIT THE LUGS OF THE 30A BREAKER. FOR THE SPLICE, USE A BURNDY INSULINK SLEEVE-TYPE PRE-INSULATED COMPRESSION CONNECTOR, SIZED FOR THE APPLICATION. AN APPROVED ALTERNATE SPLICE IS A TAPE-WRAPPED SPLICE, USING COMPACT COMPRESSION CONNECTORS DESIGNED TO TAP SMALL LIGHTING WIRES FROM SECONDARIES. BURNDY CRIMPIT STREET LIGHTING TAP, CAT. NO. YPC26R8U IS APPROVED FOR THIS PURPOSE. SUFFICIENT TAPE WRAPS SHALL BE APPLIED TO EQUAL OR EXCEED 600V INSULATION.
8. THESE SQUARE "D" HEAVY DUTY DISCONNECT SWITCHES ARE INSTALLED AND WIRED BY THE SHELTER MANUFACTURER PRIOR TO SHIPPING TO SITE.

SHEET 40 OF 67

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION
GREAT LAKES REGION — CHICAGO, ILLINOIS

MALSR

EQUIPMENT WIRING DIAGRAM
RUNWAY 33

AURORA — AURORA MUNICIPAL AIRPORT — IL

REV	DATE	DESCRIPTION	JCN	REDLINE DATE	APVD

REVIEWED BY	SUBMITTED BY	APPROVED BY
	PROJ ENGR. *TIMOTHY DYER*	PLATFORM MGR. *CLELAND MICHEEL*
	DESIGNED TAO	ISSUED BY: CHICAGO NAS IMPLEMENTATION CENTER — DATE 02/21/2006 — JCN
	DRAWN TAO	DRAWING NO ARR-D-MALSR33-E03 — REV
	CHECKED EGS	SHEET OF

THIS DRAWING PRODUCED ON THE GREAT LAKES REGION MICROSTATION SYSTEM