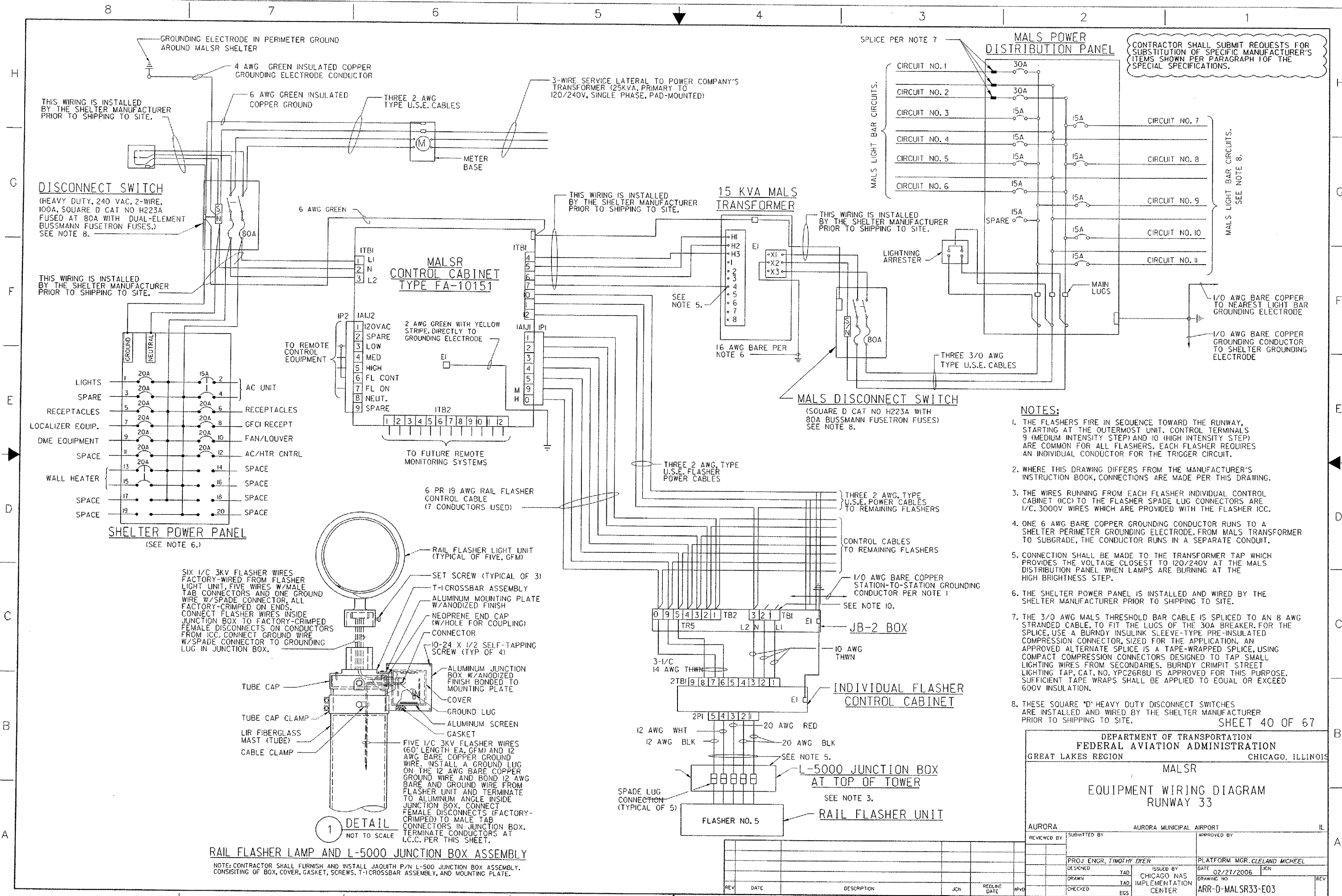


THIS DRAWING PRODUCED ON THE GREAT LAKES REGION MICROSTATION SYSTEM



CONTRACTOR SHALL SUBMIT REQUESTS FOR SUBSTITUTION OF SPECIFIC MANUFACTURER'S ITEMS SHOWN PER PARAGRAPH 1 OF THE SPECIAL SPECIFICATIONS.

- 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 1/3, 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 DISTRIBUTION PANEL WHEN LAMPS ARE BURNING AT THE HIGH BRIGHTNESS STEP.
  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.

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

MALS  
EQUIPMENT WIRING DIAGRAM  
RUNWAY 33

AURORA AURORA MUNICIPAL AIRPORT IL

REVIEWED BY	SUBMITTED BY	APPROVED BY
DESIGNED	TAD	ISSUED BY
DRAWN	TAD	CHICAGO NAS IMPLEMENTATION CENTER
CHECKED	EGS	DATE 02/27/2006
		DRAWING NO. ARR-D-MALS33-E03

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