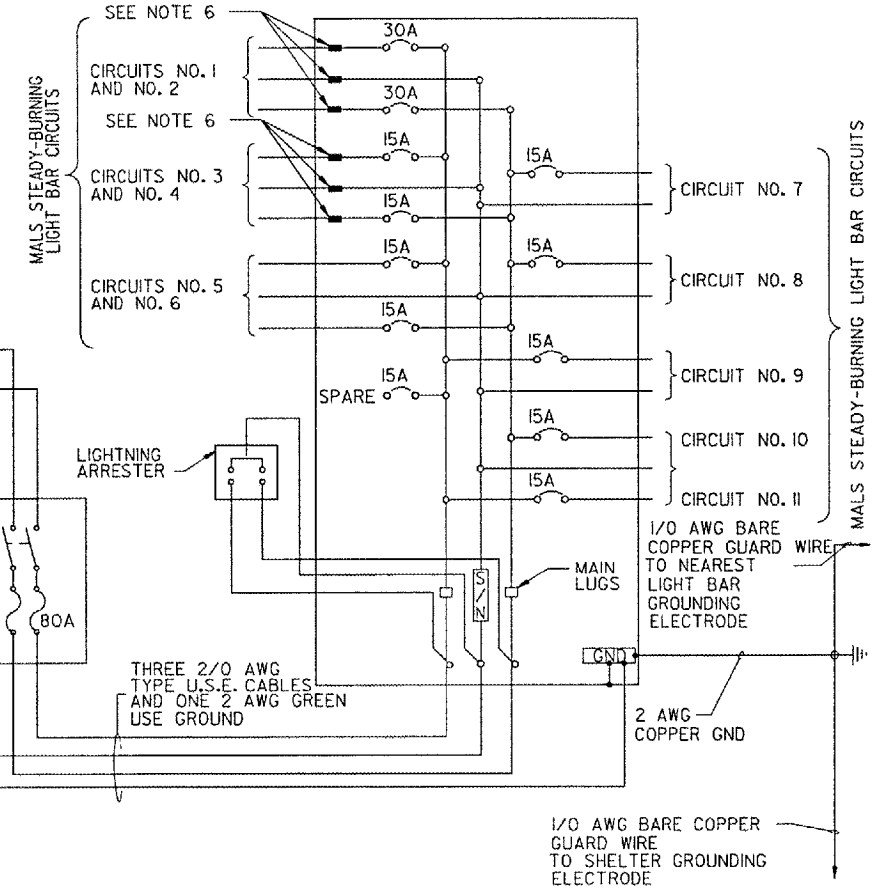


MALS POWER DISTRIBUTION PANEL

100A, 120/240V, 3-WIRE, S/N PANELBOARD, MAIN LUGS, SQUARE D CAT. NO. N00D12100CU WITH 00B STYLE BREAKERS IN A NEMA 3R PANEL ENCLOSURE, SQUARE D CAT. NO. MH32WP. SEE MALS POWER DISTRIBUTION PANEL SCHEDULE.



NOTES: CONTINUED:

- 4. 6 AWG GREEN INSULATED GROUNDING CONDUCTOR IS INSTALLED IN SCHEDULE 40 PVC CONDUIT TO A PERIMETER GROUNDING ROD DIRECTLY FROM MALS TRANSFORMER.
5. CONNECTION IS MADE TO THE TRANSFORMER TAP WHICH GIVES THE VOLTAGE CLOSEST TO 120/240V AT THE MALS DISTRIBUTION PANEL WHEN LAMPS ARE BURNING AT THE HIGH BRIGHTNESS STEP.
6. THE #2/0 AWG MALS THRESHOLD BAR CABLE SHALL BE SPLICED TO AN 8 AWG STRANDED CABLE, TO FIT THE LUGS OF THE 30A BREAKER. THE #4 AWG MALS CABLE SHALL BE SPLICED TO AN 8 AWG STRANDED CABLE TO FIT THE LUGS OF THE 15 AMP BREAKER. AN APPROVED 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 #2/0 AWG TO #8 AWG APPLICATION AND CAT. NO. YPC2A8U IS APPROVED FOR #4 AWG TO #8 AWG APPLICATION.
7. A FIELD-INSTALLED SOLID NEUTRAL KIT IS INSTALLED IN THIS DISCONNECT SWITCH.

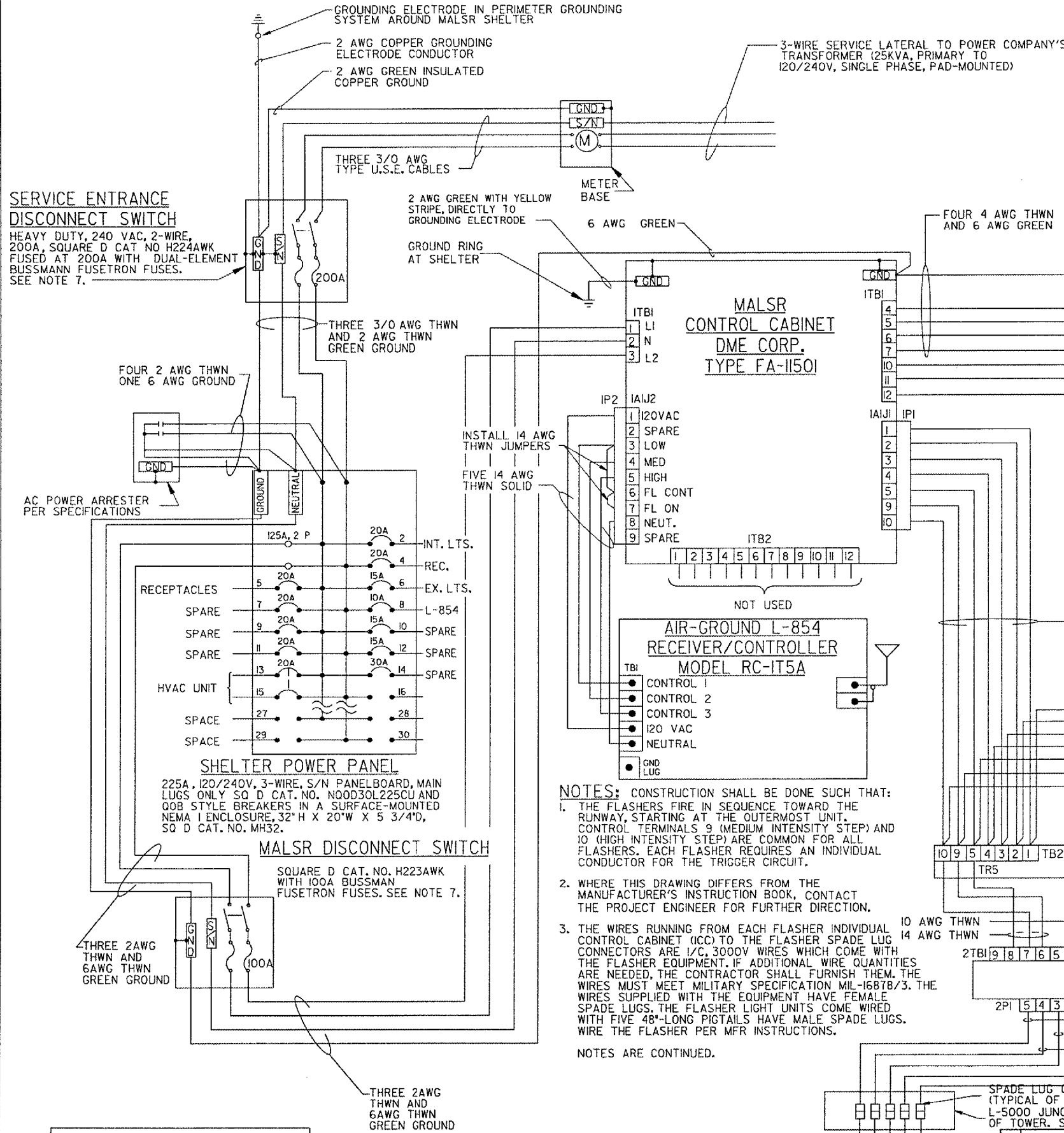
MASTER FILE: WIRING DIAGRAM FOR MALS TYPE FA-11501

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

MALS EQUIPMENT WIRING DIAGRAM FOR TYPE FA-11501 RUNWAY 02

DEKALB DEKALB TAYLOR MUNICIPAL AIRPORT IL

Table with columns for REVIEWED BY, SUBMITTED BY, APPROVED BY, PROJ. ENGR., DATE, TAD, ISSUED BY, PLATFORM MGR., DATE, JCN, IL, DRAWN, EGS, IMPLEMENTATION CENTER, DRAWING NO., DKB-D-MALSRO2-E02, REV.



NOTES: CONSTRUCTION SHALL BE DONE SUCH THAT:

- 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, CONTACT THE PROJECT ENGINEER FOR FURTHER DIRECTION.
3. THE WIRES RUNNING FROM EACH FLASHER INDIVIDUAL CONTROL CABINET (ICC) TO THE FLASHER SPADE LUG CONNECTORS ARE 1/3, 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-16878/3. THE WIRES SUPPLIED WITH THE EQUIPMENT HAVE FEMALE SPADE LUGS. THE FLASHER LIGHT UNITS COME WIRED WITH FIVE 48"-LONG PIGTAILS HAVE MALE SPADE LUGS. WIRE THE FLASHER PER MFR INSTRUCTIONS.

NOTES ARE CONTINUED.

SERVICE ENTRANCE DISCONNECT SWITCH

HEAVY DUTY, 240 VAC, 2-WIRE, 200A, SQUARE D CAT NO H224AWK FUSED AT 200A WITH DUAL-ELEMENT BUSSMANN FUSETRON FUSES. SEE NOTE 7.

AC POWER ARRESTER PER SPECIFICATIONS

SHELTER POWER PANEL

225A, 120/240V, 3-WIRE, S/N PANELBOARD, MAIN LUGS ONLY SQ D CAT. NO. N00D30L225CU AND 00B STYLE BREAKERS IN A SURFACE-MOUNTED NEMA 1 ENCLOSURE, 32"H X 20"W X 5 3/4"D, SQ D CAT. NO. MH32.

MALS DISCONNECT SWITCH

SQUARE D CAT. NO. H223AWK WITH 100A BUSSMANN FUSETRON FUSES. SEE NOTE 7.

WIRING IS BASED ON DME CORP. MALS. CONFIRM WIRING WITH THE RESPECTIVE MALS MANUFACTURER.

PLOT DATE = 96/26/2007 11:03 AM
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