



2 HOLE LONG BARREL COMPRESSION LUG TABLE

WIRE SIZE	BURNDY CAT. NO.	THOMAS & BETTS CAT. NO.
#6 AWG STRANDED	YA6C-2TC38	256-30695-1158
#2 AWG STRANDED	YA2C-2TC38	256-30695-1160
#1/0 AWG STRANDED	YA25-2TC38	256-30695-1162
#2/0 AWG STRANDED	YA26-2TC38	256-30695-1116
#3/0 AWG STRANDED	YA27-2TC38	54816BE

LEGEND PLATE SCHEDULE

DEVICE	LABEL
STEP-UP TRANSFORMER IN THE VAULT FOR THE RUNWAY 2 REILS	STEP-UP XFMR RY 2 REILS 240V TO 480V
PRIMARY DISCONNECT FOR STEP-DOWN TRANSFORMER THAT SERVES THE RUNWAY 2 REILS	STEP-DOWN XFMR DISCONNECT, 480V FED FROM VAULT
STEP-DOWN TRANSFORMER FOR THE RUNWAY 2 REILS	STEP-DOWN XFMR RY 2 REILS 480V TO 120/240V
SECONDARY DISCONNECT FOR STEP-DOWN TRANSFORMER THAT SERVES THE RUNWAY 2 REILS	RY 2 REILS DISCONNECT 240 VAC
STEP-UP TRANSFORMER IN THE VAULT FOR THE RUNWAY 2 PAPI	STEP-UP XFMR RY 2 PAPI 240V TO 480V
PRIMARY DISCONNECT FOR STEP-DOWN TRANSFORMER THAT SERVES THE RUNWAY 2 PAPI	STEP-DOWN XFMR DISCONNECT, 480V FED FROM VAULT
STEP-DOWN TRANSFORMER FOR THE RUNWAY 2 PAPI	STEP-DOWN XFMR RY 2 PAPI 480V TO 120/240V
SECONDARY DISCONNECT FOR STEP-DOWN TRANSFORMER THAT SERVES THE RUNWAY 2 PAPI	RY 2 PAPI DISCONNECT 240 VAC
SAFETY SWITCH AT RUNWAY 27	RY 27 PLASI 120 VAC FED FROM VAULT

NOTE: LEGEND PLATES SHALL BE WEATHERPROOF ENGRAVED PLASTIC OR PHENOLIC MATERIAL, 1/4" HIGH WHITE LETTERS ON A RED BACKGROUND UNLESS NOTED OTHERWISE. SECURE WITH WEATHERPROOF ADHESIVE OR MACHINE SCREWS. FURNISH ADDITIONAL LEGEND PLATES WHERE REQUIRED BY CODE, FOR ADDITIONAL EQUIPMENT, AS DETAILED HEREIN ON THE PLANS, AND AS NOTED IN THE SPECIAL PROVISION SPECIFICATIONS.

- DETAIL NOTES**
- EXOTHERMIC WELDS SHALL BE CADWELD AS MANUFACTURED BY ERICO PRODUCTS, SOLON, OHIO OR THERMOWELD AS MANUFACTURED BY CONTINENTAL INDUSTRIES, TULSA, OKLAHOMA. VERIFY PROPER SIZES, TYPES, AND REQUIREMENTS FOR THE RESPECTIVE APPLICATION WITH THE MANUFACTURER, AND INSTALL PER THEIR DIRECTIONS.
 - FOR APPLICATIONS TO METAL SURFACES THAT ARE LESS THAN 3/16" THICK CONTACT THE EXOTHERMIC WELD MANUFACTURER FOR DIRECTION AND INSTRUCTION ON EXOTHERMIC WELD INSTALLATION TO THE RESPECTIVE SURFACE.
 - FOR APPLICATIONS TO GALVANIZED STEEL OR PAINTED STEEL, REMOVE GALVANIZING AND/OR PAINT & CLEAN THE SURFACE TO EXPOSE BARE STEEL BEFORE MAKING EXOTHERMIC WELD CONNECTION.
 - INDIVIDUAL GROUNDING ELECTRODE CONDUCTORS SHALL NOT BE INSTALLED IN METAL CONDUIT. INSTALL GROUNDING ELECTRODE CONDUCTORS IN SCHED 40 PVC CONDUIT AS REQUIRED IN FOUNDATIONS, FOR PROTECTION, WHERE ENTERING ENCLOSURES, ETC.

EXOTHERMIC WELD DETAILS

- NOTES**
- ALL CONNECTIONS TO GROUND BUS BAR SHALL BE WITH 2 HOLE TONGUE LONG BARREL COMPRESSION LUGS BOLTED TO THE BUS BAR.
 - GROUND WIRE CONNECTIONS TO EQUIPMENT SHALL BE WITH 2 HOLE TONGUE LONG BARREL COMPRESSION LUGS BOLTED TO THE DEVICE OR WITH THE RESPECTIVE EQUIPT MANUFACTURER'S LUG OR TERMINAL WHERE APPLICABLE.
 - GROUNDING ELECTRODE CONDUCTORS, BONDING JUMPERS, & INDIVIDUAL GROUND WIRES SHALL NOT BE INSTALLED IN METAL CONDUIT.
 - ALL CONNECTIONS SHALL BE COATED WITH A CORROSION PREVENTATIVE COMPOUND (SANCHEM INC. NO-OX-ID "A-SPECIAL", OR APPROVED EQUAL) BEFORE JOINING. ALL COPPER BUS BARS SHALL BE CLEANED PRIOR TO MAKING CONNECTIONS TO REMOVE SURFACE OXIDATION. CLEAN SURFACES, OF RESPECTIVE DEVICES TO BE BONDED, TO BARE METAL, PER NEC 250-12.

GROUNDING LUG CONNECTION DETAIL

DATE	REVISION	BY

DIMAX
DEKALB TAYLOR MUNICIPAL AIRPORT
A.I.P. PROJ.: 3-17-0139-B42
I.L. PROJ.: DK6-3448

HLL Project No. 803-051XXAD_0800 Filename E-504.DWG Scale NO SCALE Date 12/02/05	LAYOUT DRAWN NV REVIEWED CAH	03/21/06 03/21/06 12/16/05
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HANSON
Hanson Professional Services Inc.
1000 S. St. Louis
Springfield, Ill. 62703-2886
Offices Nationwide

REMOVE AND REGRADE
RUNWAY END 2
GROUNDING DETAILS
AND LEGEND PLATE
SCHEDULE