

DETAIL NOTES

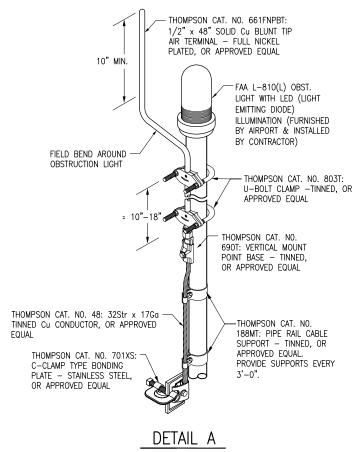
 EXOTHERMIC WELDS SHALL BE CADWELD AS MANUFACTURED BY ERICO PRODUCTS, SOLON, OHIO, ULTRAWELD AS MANUFACTURED BY HARGER LIGHTNING PROTECTION & GROUNDING EQUIPMENT, GRAYSLAKE, IL, THERMOWELD AS MANUFACTURED BY CONTINENTAL INDUSTRIES, TULSA, OKLAHOMA OR APPROVED EQUAL. VERIFY PROPER SIZES, MOLDS, TYPES, AND REQUIREMENTS FOR THE RESPECTIVE APPLICATION WITH THE MANUFACTURER. AND INSTALL PER THEIR DIRECTIONS.

CABLE TO SURFACE

- 2. 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.
- 3. VERIFY EXOTHERMIC MOLDS ARE SUITABLE FOR USE WITH THE RESPECTIVE TYPE (SOLID OR STRANDED) & SIZE CONDUCTOR.

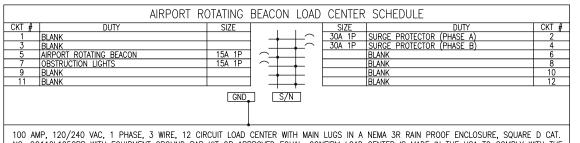
EXOTHERMIC WELD DETAILS

NOT TO SCALE



NOTES

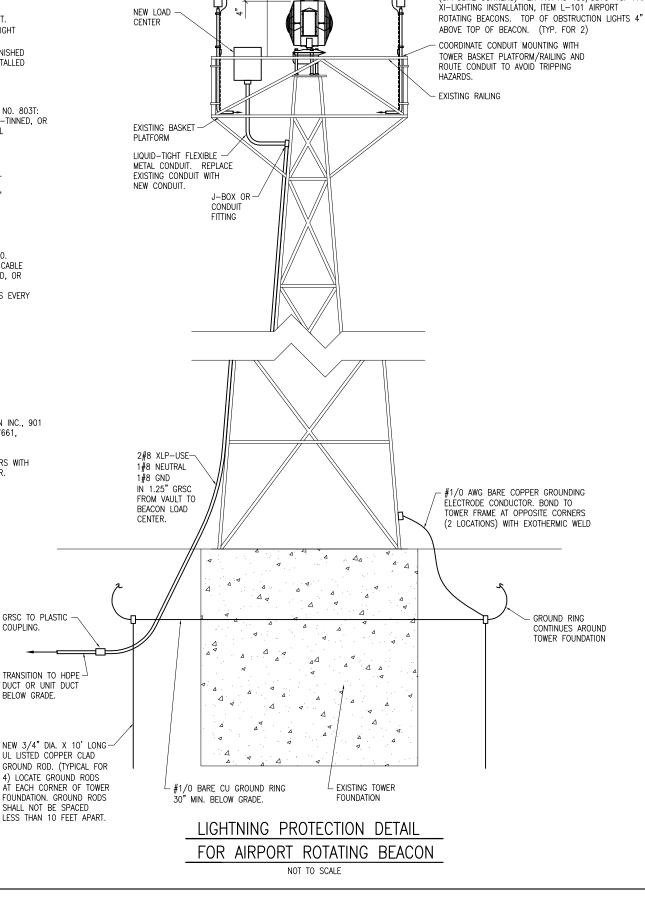
- REFERENCES TO THOMPSON ARE THOMPSON LIGHTNING PROTECTION INC., 901 SIBLEY MEMORIAL HWY, ST. PAUL, MN 55188, PHONE: 651-455-7661, 800-777-1230, FAX: 651-455-2545.
- VERIFY LIGHTNING PROTECTION COMPONENTS AND CATALOG NUMBERS WITH THE RESPECTIVE LIGHTNING PROTECTION EQUIPMENT MANUFACTURER.
- 3. CLEAN ALL CONNECTIONS TO EXPOSE BARE METAL



100 AMP, 120/240 VAC, 1 PHASE, 3 WIRE, 12 CIRCUIT LOAD CENTER WITH MAIN LUGS IN A NEMA 3R RAIN PROOF ENCLOSURE, SQUARE D CAT. NO. Q0112L125GRB WITH EQUIPMENT GROUND BAR KIT OR APPROVED EQUAL. CONFIRM LOAD CENTER IS MADE IN THE USA TO COMPLY WITH THE AIRPORT IMPROVEMENT PROGRAM BUY AMERICAN REQUIREMENT.

<u>NOTES</u>

- INCLUDE EQUIPT GROUND BAR KIT.
- 2. ALL BREAKERS SHALL HAVE 10,000 AIC RATING AT 120/240 VAC.
- 3. PHASE "A" SHALL BE SWITCHED THROUGH A LIGHTING CONTACTOR AT THE VAULT. PHASE "B" SHALL BE UNSWITCHED.
- 4. INCLUDE ENGRAVED PHENOLIC LEGEND PLATE LABELED ARB PANEL, 120/240 VAC, 1PH, 3W, FED FROM VAULT.
- SURGE PROTECTORS SHALL BE SUITABLE FOR 120VAC, 1PH, 2W PLUS GROUND, 30KA (MINIMUM) SURGE CURRENT RATING, JOSLYN MODEL 1260-21 OR LIGHTING PROTECTION CORP. MODEL LPC 11765-132, OR APPROVED EQUÁL. FURNISH & INSTALL TWO SURGE PROTECTORS (ONE FOR EACH PHASE).
- LOAD CENTER SHALL BE MANUFACTURED IN THE UNITED STATES TO COMPLY WITH THE AIRPORT IMPROVEMENT PROGRAM BUY AMERICAN REQUIREMENTS. PROVIDE CERTIFICATION OF MANUFACTURE IN THE UNITED STATES WITH SHOP DRAWING SUBMITTAL.



-REFURBISHED AIRPORT

ROTATING BEACON

WHERE EXISTING AIR TERMINAL-

(LIGHTNING ROD) IS INSTALLED,

IT SHALL REMAIN IN PLACE

CONSTRUCT VAULT, LIGHT TAXIWAY & INSTALL NAVAIDS

T ROTATING N UPGRADE AND NOTES

HANSON

COUNTY AIRPORT YVILLE, ILLINOIS

SHELBY (SHELB)

SE004

NEW FAA APPROVED L-810(L) RED COLORED

OBSTRUCTION LIGHT WITH LED (LIGHT EMITTING DIODE)

LOCATED 4" ABOVE TOP OF AIRPORT ROTATING BEACON.

(OPPOSITE CORNERS) PER FAA AC 150/5370-10F PART

TYPE ILLUMINATION (FURNISHED BY AIRPORT AND

INSTALLED BY CONTRACTOR) MOUNTED ON 1" GRSC,

LOCATE OBSTRUCTION LIGHTS 180 DEGREES APART