

**VAULT WORK**

CONNECT NEW CABLES FOR FOLLOWING CIRCUITS:  
REL1, REL2, PAPI14L, PAPI32R

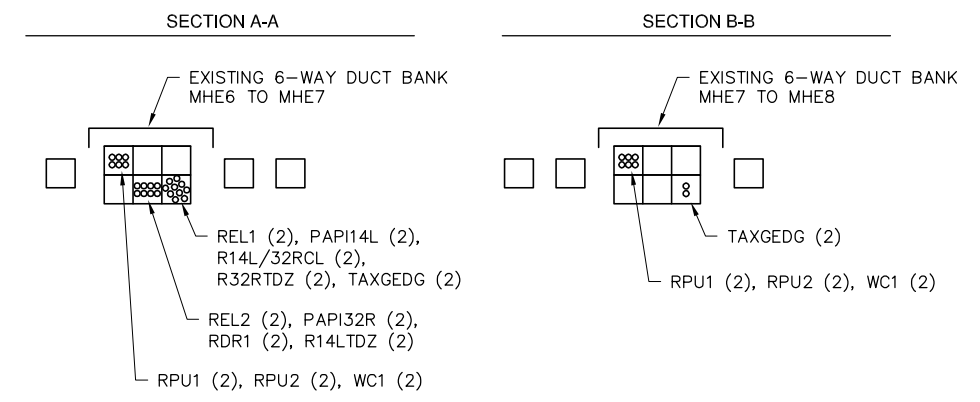
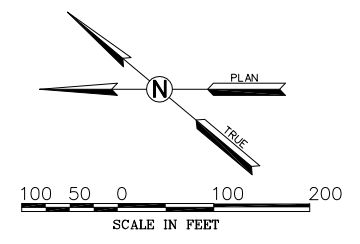
RECONNECT CABLES FOR FOLLOWING CIRCUITS:  
RDR1

REMOVE CABLES AND DISCONNECT FOLLOWING CIRCUITS:  
R14LTDZ, R32RTDZ, R14L/32RCL

- CIRCUIT SYMBOL LEGEND**
- REMOVE EXISTING CABLE. INSTALL NEW 1/C #8 5 KV CABLE IN EXISTING CONDUIT
  - REMOVE EXISTING CABLE. DO NOT DAMAGE DURING REMOVAL. REINSTALL CABLE IN EXISTING CONDUIT
  - REMOVE EXISTING CABLE
  - INSTALL NEW 1/C #8 5 KV CABLE IN NEW OR EXISTING CONDUIT (SEE SIGNAGE PLANS FOR NEW CONDUIT LOCATIONS)
- NOTES:
1. NUMBER OF SYMBOLS INDICATES NUMBER OF CABLES TO BE REMOVED AND/OR INSTALLED.
  2. NEW CABLE SHALL BE MANUFACTURED WITH COLOR-CODED CABLE ACCORDING TO THE COLOR LEGEND.
  3. ODD NUMBERED RUNWAY EDGE LIGHTS AND THRESHOLD LIGHTS ARE POWERED BY REL1, AND EVEN NUMBERED LIGHTS ARE POWERED BY REL2. THE CIRCUITING OF THE RUNWAY LIGHTS SHALL CONTINUE TO USE THIS PATTERN.
  4. ALL BOLTS REMOVED FROM IN-PAVEMENT LIGHTS/CANS SHALL BE REPLACED WITH NEW STAINLESS STEEL BOLTS.

- CIRCUIT IDENTIFICATION LEGEND**
- |              |   |
|--------------|---|
| REL1         | RUNWAY EDGE LIGHTS #1   |
| REL2         | RUNWAY EDGE LIGHTS #2   |
| RDR1         | RUNWAY DISTANCE REMAINING SIGNS   |
| PAPI14L      | PAPI 14L  |
| PAPI32R      | PAPI 32R  |
| TAXKEDG      | TAXIWAY K EDGE LIGHTS   |
| TAXKSGN      | TAXIWAY K SIGNS   |
| TAXGEDG      | TAXIWAY G EDGE LIGHTS   |
| TAXGEDG-SAFB | TAXIWAY G EDGE LIGHTS - SCOTT AIR FORCE BASE (POWERED BY SCOTT AIR FORCE BASE ELECTRICAL VAULT) |

- CIRCUIT COLOR LEGEND**
- |         |                 |
|---------|-----------------|
| REL1    | RED             |
| REL2    | ORANGE          |
| PAPI14L | PURPLE W/ WHITE |
| PAPI32R | PURPLE          |
| RDR1    | BROWN           |
| TAXKEDG | BLUE            |
| TAXKSGN | YELLOW          |
| TAXGEDG | RED W/ WHITE    |



REVISIONS

NUMBER	BY	DATE

0 1 2  
THIS BAR IS EQUAL TO 2' AT FULL SCALE (34X22).  
PLOT 1

**MIDAMERICA ST. LOUIS AIRPORT  
ST. CLAIR COUNTY, ILLINOIS**

**AIRFIELD LIGHTING IMPROVEMENTS**

ONE MEMORIAL DRIVE, SUITE 500  
ST. LOUIS, MO 63102  
(314) 436-5500

**CMT**  
CRAWFORD, MURPHY & TILLY, INC.  
CONSULTING ENGINEERS

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**IL PROJECT, BLV-4405  
AIP PROJECT, 3-17-SBGP-XX**

FILE: 20-23\_CIRCUIT.dwg

DESIGN BY: ASF

DRAWN BY: ASF

CHECKED BY: MJD/CET

APPROVED BY: BWG

DATE: JUNE 27, 2014

JOB No: 13098-02