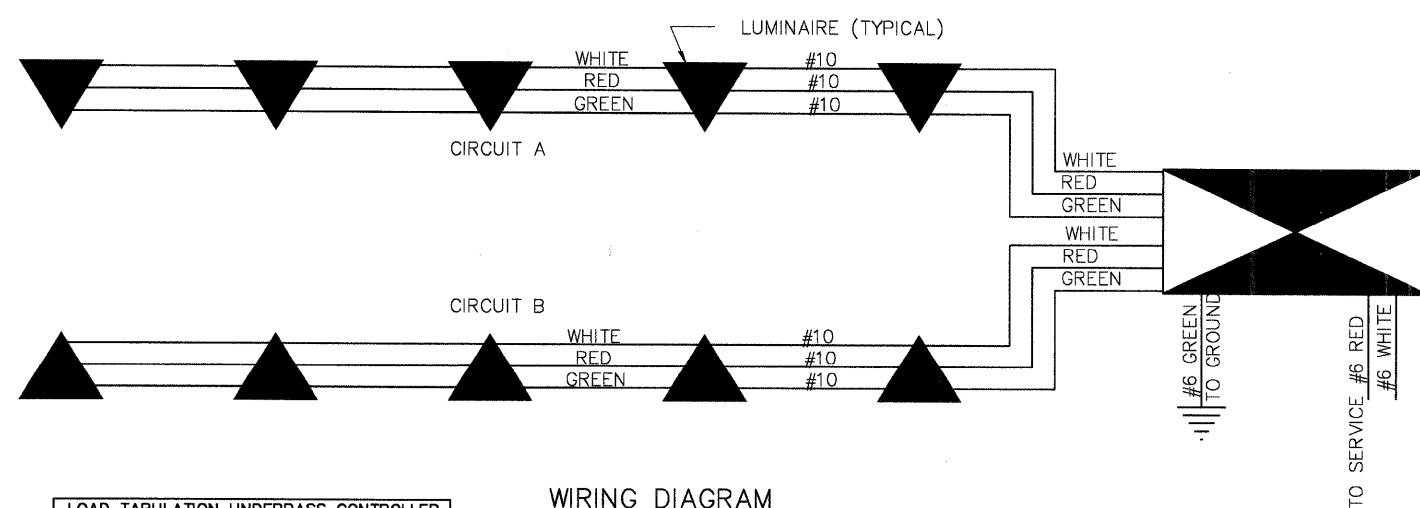


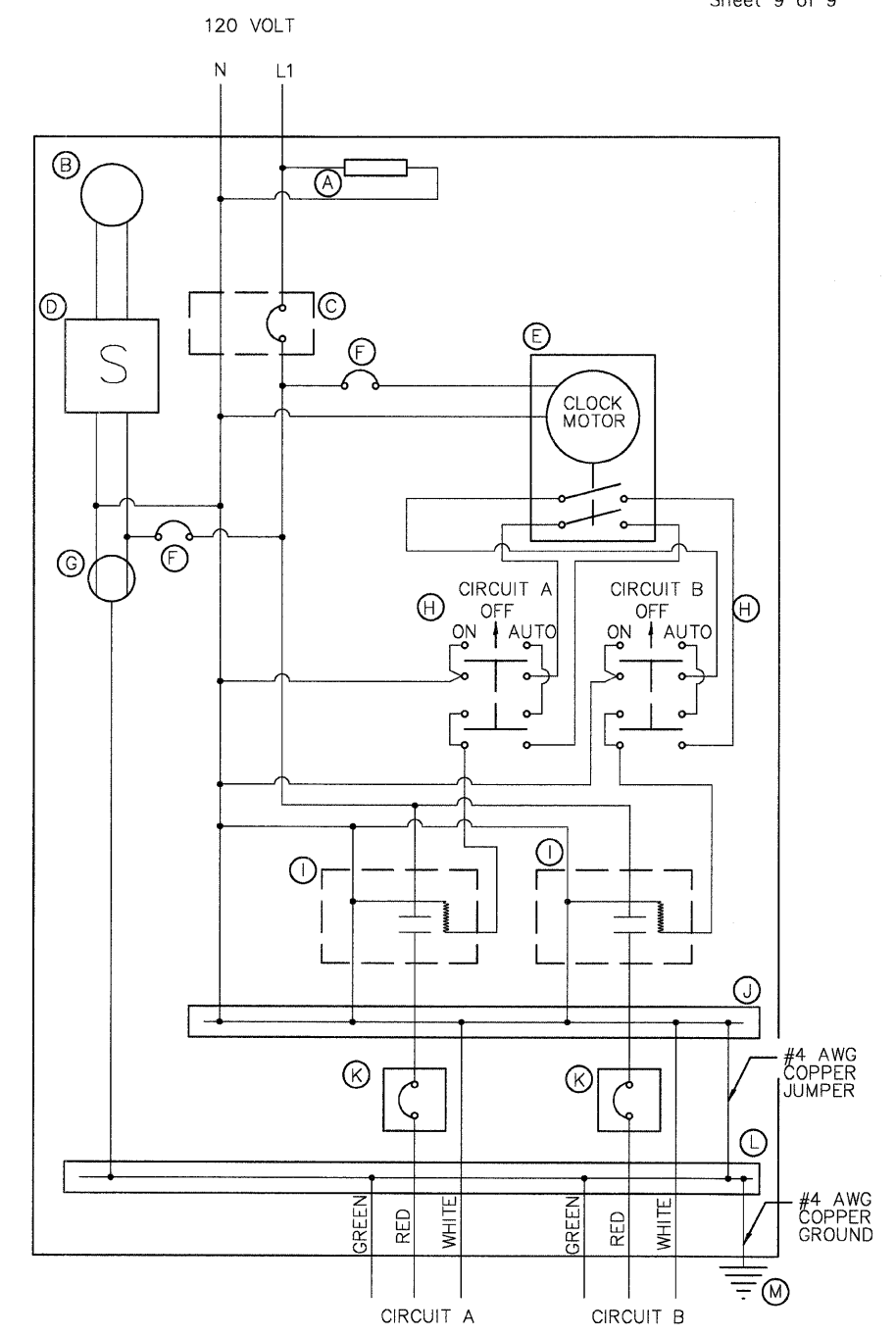
1. MATERIAL - 1/8" THICK 5052 ALLOY, SHEET ALUMINUM.
2. ALL WELDS ARE CONTINUOUS.
3. THIS UNIT IS CONSTRUCTED TO NEMA TYPE 3R STANDARDS.
4. DOOR AND LOCK - DOOR HAS A 14 GA. (.075) STAINLESS STEEL CONTINUOUS HINGE. CLOSED CELL NEOPRENE GASKET AROUND THE ENTIRE DOOR FOR WATER INTEGRITY. A STANDARD TRAFFIC SIGNAL TYPE LOCK, RAIN AND ICE (WEATHER) RESISTANT FURNISHED WITH TWO KEYS PROVIDED.
5. VENTILATION - DOUBLE OUTLET "T" TANK VENT.
6. INNER PANEL MOUNTING CHANNEL ON BACKWALL.
7. ALL INTERIOR AND EXTERIOR SURFACES OF THE CABINET SHALL HAVE A POLISHED ALUMINUM FINISH.

UNDERPASS CONTROL INSTALLATION, SPECIAL ITEMS

- (A) LIGHTNING ARRESTERS
- (B) CABINET LIGHT, 60W INCANDESCENT
- (C) MAIN CIRCUIT BREAKER - MOLDED CASE, THERMAL MAGNETIC, 1-POLE, 120V., BOLT-ON TYPE, 30 AMP WITH AN INTERRUPTING CAPACITY OF NOT LESS THAN 10,000 RMS SYMMETRICAL AMPERES AT 120V.
- (D) CABINET LIGHT SWITCH
- (E) TWO CHANNEL ASTRONOMICAL CLOCK
- (F) CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 1-POLE, 120V. BOLT-ON TYPE 10A. WITH AN INTERRUPTING RATING OF NOT LESS THAN 10,000 RMS SYMMETRICAL AMPERES AT 120V.
- (G) DUPLEX RECEPTACLE
- (H) SELECTOR SWITCHES - ON/OFF/AUTOMATIC
- (I) CONTROL CONTACTORS
- (J) NEUTRAL BUS BAR
- (K) BRANCH CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 1-POLE, 120V., BOLT-ON TYPE, 10A WITH AN INTERRUPTING RATING OF NOT LESS THAN 10,000 RMS SYMMETRICAL AMPERES AT 120V.
- (L) GROUND BUS BAR
- (M) GROUND ROD



| LOAD TABULATION UNDERPASS CONTROLLER | | |
|--------------------------------------|-------|------|
| CIRCUIT | WATTS | AMPS |
| A | 350 | 2.9 |
| B | 350 | 2.9 |
| TOTAL | 700 | 5.8 |



NOTE: TO PROVIDE THE REQUIRED LIGHTING LEVELS, ONE CIRCUIT SHALL BE SET TO "ON" AND THE OTHER CIRCUIT SET TO "AUTO" WITH THE ASTRONOMICAL CLOCK PROGRAMMED TO TURN ON AT SUNRISE AND OFF AT SUNSET. THE SWITCHES CAN BE REVERSED PERIODICALLY TO PROLONG LAMP LIFE.

| REVISIONS | |
|-----------|----------|
| NAME | DATE |
| PER BEO | 10-7-04 |
| PER BEO | 12-29-04 |
| REVIEW | |
| | |
| | |

HLR

Rice, Berry and Associates
A Division of Hampton, Lenzini and Renwick, Inc.
Civil Engineers
Structural Engineers
Land Surveyors

801 S. Durkin Drive
Springfield, Illinois 62704
217-546-3400

Account Number
03-05-0181-i
Date: 6-09-04

BIKE PATH UNDERPASS
LIGHTING DETAILS

SECTION 99-00243-00-PV

BIKE PATH UNDER RANDALL ROAD

KANE COUNTY