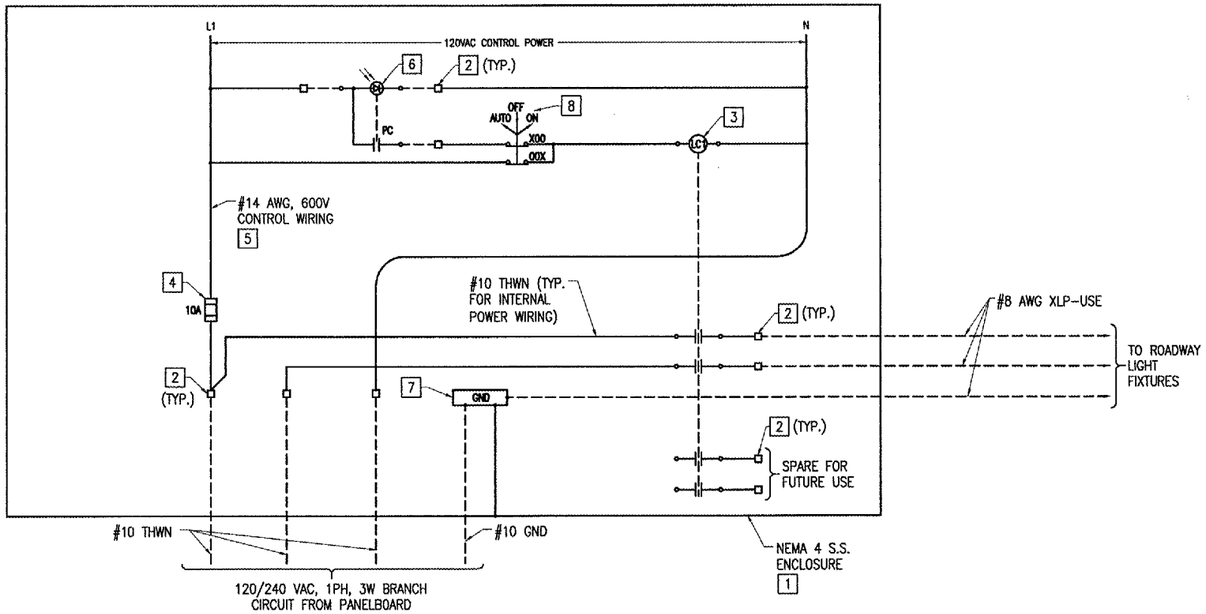

T-HANGAR ACCESS ROAD LIGHTING CONTROLLER

NOTES:

1. LIGHTING CONTROLLER SHALL BE INCIDENTAL TO THE INSTALLATION OF ITEM AR106511, TYPE A AREA LIGHT POLE WITH 1 FIXTURE.

KEYED NOTES:

1. UL LISTED NEMA 4 STAINLESS STEEL CONTROL PANEL ENCLOSURE ADEQUATELY SIZED TO HOLD THE RESPECTIVE COMPONENTS AND EQUIPMENT. INCLUDE LEGEND PLATES LABELED "T-HANGAR ACCESS ROAD LIGHTING CONTROLLER", "120/240 VAC, 1 PHASE, 3 WIRE", AND "CAUTION DISCONNECT POWER BEFORE SERVICING". LEGEND PLATES SHALL BE WEATHERPROOF AND ABRASION RESISTANT PHENOLIC MATERIALS. LETTERING SHALL BE BLACK ON WHITE BACKGROUND, UNLESS OTHERWISE NOTED.

2. TERMINAL BLOCKS FOR POWER & CONTROL WIRING SHALL BE 600 VOLT, WITH AMPERAGE RATINGS IN CONFORMANCE WITH NEC TABLE 310-16 USING 75 DEGREE C WIRE FOR THE RESPECTIVE WIRE LUG RANGE, BOX LUG TYPE, SQUARE D CLASS 9080, TYPE G, OR APPROVED EQUAL.

3. LIGHTING CONTACTOR: LIGHTING CONTACTOR SHALL BE 30 AMP, 4-POLE, ELECTRICALLY HELD CONTACTOR SUITABLE OF FOR LIGHTING LOADS, WITH 120 VAC, 60 HZ COIL, SQUARE D CLASS 8903, TYPE SM03V02, OR APPROVED EQUAL.

4. FUSING FOR CONTROL WIRING SHALL BE 10 AMP, 600 VAC, BUSSMANN CATALOG FNQ-R-10, OR APPROVED EQUAL, WITH FUSE BLOCKS, WITH BOX LUG TERMINALS, SIZED AS REQUIRED FOR THE RESPECTIVE APPLICATION. INCLUDE HARDWARE FOR MOUNTING. PROVIDE ONE BOX (5 MINIMUM QUANTITY) OF EACH TYPE AND SIZE OF FUSE, UPON COMPLETION OF THE JOB FOR USE AS SPARES.

5. CONTROL WIRING SHALL BE SIZED AS REQUIRED PER NEC MINIMUM #14 AWG TYPE MTW, THW, OR THWN COPPER.

6. PHOTOCELL RATED 2000 WATTS AT 120 VAC, WITH OFF DELAY, AND -40 DEGREE C TO 60 DEGREE C OPERATING TEMPERATURE RANGE, TORK MODEL NO. 2101, INTERMATIC MODEL K4121M, OR APPROVED EQUAL. PROVIDE MOUNTING HARDWARE, JUNCTION BOX AND WATERTIGHT HUBS FOR INTERFACE TO THE LIGHTING CONTROLLER ENCLOSURE.

7. EQUIPMENT GROUNDING BAR: PROVIDE A GROUNDING BAR MOUNTED AND BONDED INSIDE THE PANEL ENCLOSURE, ADEQUATELY SIZED TO ACCOMMODATE ALL GROUND CONDUCTORS TO OR FROM THE LIGHTING CONTROLLER.

8. THREE-POSITION MAINTAINED "HAND-OFF-AUTO" SELECTOR SWITCH, HEAVY DUTY, WATERTIGHT/OIL TIGHT (NEMA 4/13), SQUARE D CLASS 9001, TYPE KS43FBH13 OR APPROVED EQUAL. INCLUDE LEGEND PLATE LABELED "AUTO-OFF-ON". MOUNT SELECTOR SWITCH ON PANEL INTERIOR WITH MOUNTING BRACKET.

DATE	REVISION	BY

ST. LOUIS REGIONAL AIRPORT

St. Louis Regional Airport

EAST ALTON, ILLINOIS

IL PROJ.: ALN-3355

HSI Project No. 837-04R0D
Filename R-544ELE.DWG
Scale NONE
Date 03/08/04

LAYOUT	KNL	03/31/04
DRAWN	WV	04/02/04
REVIEWED	WJM	06/23/04

HANSON

Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

CONSTRUCT T-HANGER ACCESS ROAD

PROPOSED ACCESS ROAD LIGHTING CONTROLLER

FEB 15, 2005 11:44 AM DPE
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