

APRON LIGHTING CONTROLLER

NOTES:

1. LIGHTING CONTROLLER SHALL BE PAID FOR UNDER ITEM AS109620 LIGHTING CONTROL SYSTEM.

KEYED NOTES:

- 1 UL LISTED NEMA 12 PAINTED STEEL CONTROL PANEL ENCLOSURE WITH HINGED COVER ADEQUATELY SIZED TO HOLD THE RESPECTIVE COMPONENTS AND EQUIPMENT. INCLUDE LEGEND PLATES LABELED "APRON 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 GC6, OR APPROVED EQUAL.
- 3 LIGHTING CONTACTOR: LIGHTING CONTACTOR SHALL BE 30 AMP, 2-POLE, ELECTRICALLY HELD CONTACTOR SUITABLE OF FOR LIGHTING LOADS, WITH 120 VAC, 60 HZ COIL, SQUARE D CLASS 8903, TYPE SMO1V02, 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. PHOTOCELL SHALL BE MOUNTED JUST ABOVE ROOF LEVEL OF RESPECTIVE BUILDING WHERE CONTROL PANEL IS INSTALLED. PHOTOCELL SHALL FACE NORTH. ADJUST LOCATION WHERE APPLICABLE FOR PROPER OPERATION.
- 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, ILSCO CAT. NO. D167-4 OR APPROVED EQUAL.
- 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 DOOR.
- 9 AC SURGE PROTECTOR, UL 1449 SECOND EDITION LISTED, SURGE CURRENT RATING OF 40KA, SUITABLE FOR USE ON A 120/240 VAC, 1 PHSE, 3 WIRE SYSTEM WITH LED INDICATING OPERATIONAL STATUS, JOSLYN MODEL 1265-21, SQUARE D CAT. NO. TYS120XR40S OR APPROVED EQUAL. INCLUDE MOUNTING BRACKET.
- 10 PHOTOCELL WIRING SHALL BE 2 #14 THWN, 1 #14 NEUTRAL IN 3/4" GRSC. PROVIDE WATER SEAL OR DRAIN FITTING FOR CONDUIT TO PREVENT WATER ACCUMULATION IN PANEL ENCLOSURE.

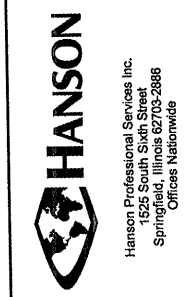
WORK SHOWN ON THIS SHEET IS FOR BID ALTERNATE NO. 1

BY	REVISION	DATE

MACOMB MUNICIPAL AIRPORT
MACOMB, ILLINOIS

A.I.P. PROJ.: 3-17-0064-B16
IL PROJ.: MOB-3798

HEL Project No.	08A0004D_0800
Filename	E-603.DWG
Scale	NONE
Date	04-11-08
LAYOUT	KNL 04/08/08
DRAWN	WV 04/08/08
REVIEWED	RAW 04/11/08



CONSTRUCT RAMP EXPANSION

PROPOSED APRON LIGHTING CONTROLLER