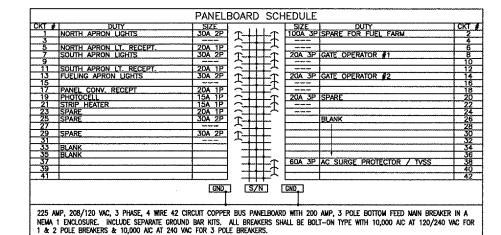
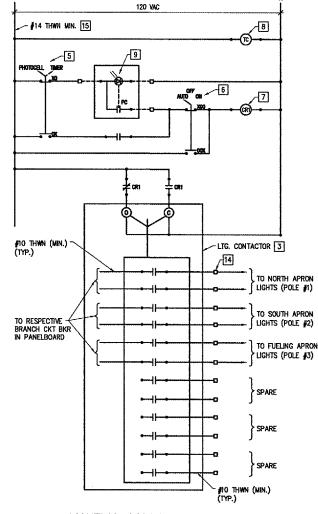
1. FOR FOUNDATIONS, SEE SHEET 50.



- 1. Panelboard shall be square D class 1630, cat. No. Ngod442l225cu with Ngodka main breaker adapter kit and kal36200 circuit
- 2. Panelboard shall be installed in the secondary power distribution panel pad mount enclosure.
- 5. PROVIDE TERMINAL BLOCKS IN THE SECONDARY POWER DISTRIBUTION PANEL TO ACCOMPDATE CONDUCTOR AWG THAT EXCEED THE RESPECTIVE BRANCH BREAKER TERMINAL WIRE RANGE DO NOT TRIM CONDUCTORS TO FIT IN TERMINALS / LUGS.

LEGEND AND NOTES FOR DISTRIBUTION CABINET AND LIGHTING CONTROLLER

- 1 NEMA 4X STAINLESS STEEL FREE STANDING SINGLE DOOR OUTDOOR ENCLOSURE 77 INCHES HIGH BY 44 INCHES WIDE AND 26 INCHES DEEP WITH INTERIOR PANEL AND PAD LOCKABLE HANDLE, AS MANUFACTURED BY APX ENCLOSURES, INC (MERCERSBURG, PA, PHONE 717-328-9399) OR APPROVED EQUAL. PROVIDE ONE PADLOCK MODEL NUMBER 21-8-1/2 INCH BRONZE SHACKLE BY BEST ACCESS SYSTEMS, WITH CORE KEYED TO OWNER'S MASTER KEY SYSTEM.
- 225 AMP, 208/120 VAC, 3 PH, 4W 42 CKT PANELBOARD WITH 200 AMP, 3 POLE MAIN BREAKER IN A NEMA 1 ENCLOSURE. SEE PANELBOARD
- 30 AMP, 12 POLE ELECTRICALLY OPERATED MECHANICALLY HELD LIGHTING CONTACTOR, WITH 120 VAC COILS, SQUARE D CLASS 8903, CAT. NO. LX01200V02, OR APPROVED EQUAL.
- 4 AC SURGE PROTECTOR/TVSS LIGHTING PROTECTION CORP. MODEL 2030-5U-G IN A NEMA 12 ENCLOSURE, OR APPROVED EQUAL.
- [5] TWO-POSITION MAINTAINED CONTACT SELECTOR SWITCH, HEAVY DUTY, WATERTICHT/OIL TIGHT (NEMA 4/13) SQUARE D CLASS 9001, TYPE KS1FBH13, OR APPROVED FQUAL INCLUDE LEGEND PLATE LABELED "PHOTOCELL—TIMER". INCLUDE MOUNTING BRACKET FOR SELECTOR
- [6] THREE-POSTION, MAINTAINED CONTACT 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". INCLUDE MOUNTING BRACKET FOR SELECTOR SWITCH.
- [7] CONTROL RELAY WITH SOCKET SHALL BE 2PDT OR 3PDT WITH 115 VAC COIL AND 10 AMP RATED CONTACTS, AS MANUFACTURED BY POTTER & BRUMFIELD, ALLEN BRADLEY, SQUARE D, MAGNECRAFT, OR APPROVED
- B ELECTRONIC TIME CLOCK, PROGRAMMABLE, 120 VAC, WITH 2 SPDT DRY CONTACTS RATED 10 AMP AT 120 VAC, TORK MODEL DGM100 OR APPROVED EQUAL.
- 9 PHOTOCELL RATED 2000 WATTS AT 120 VAC, WITH OFF DELAY, -40° C TO 60° C OPERATING TEMPERATURE RANGE, TORK MODEL NO. 2101, OR APPROVED EQUAL.
- TO THERMOSTAT, FARM CONTROLLER TYPE, LINE VOLTAGE 120 VAC, 1 HP, CORROSION RESISTANT, HONEYWELL MODEL NUMBER 1631C1103, OR APPROVED EQUAL.
- HUMIDISTAT, LINE VOLTAGE 120 VAC WITH 7 AMP DEHUMIDIFIER CONTACTS, HONEYWELL MODEL NUMBER H600A1014, OR APPROVED EQUAL.
- [12] CONDENSATION STRIP TYPE HEATER SIZED AS REQUIRED FOR THE SECONDARY DISTRIBUTION PANEL ENCLOSURE TO MINIMIZE MOISTURE THAT MAY ACCUMULATE INSIDE THE ENCLOSURE.
- [13] GROUND BUS, 1/4" THICK BY 2" WIDE, BY 12" LONG COPPER BUS WITH STANDOFF INSULATORS AND MOUNTING BRACKETS, HARGER CATALOG NUMBER GBI14212N, OR APPROVED EQUAL.
- [14] POWER DISTRIBUTION TERMINAL BLOCKS RATED FOR 60 AMPS MINIMUM AND SUITABLE FOR WIRE RANGES FROM 12 AWG TO \$1 AWG, SQUARE D CLASS 9080, TYPE GD6 OR APPROVED EQUAL PROVIDE A 24 TERMINAL BLOCKS MINIMUM.
- [15] CONTROL WIRING SHALL BE SIZED AS REQUIRED PER NEC MINIMUM 14
 ANG TYPE MITW, THW, OR THWN COPPER. TERMINAL BLOCKS FOR
 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 RANCE, BOX LUG TYPE, SQUARE D CLASS 9080, TYPE G OR APPROVED EQUAL.
- 120 VAC, 20 AMP SPEC GRADE GFOI CONVENIENCE RECEPTACLE WITH BOX & COVER PLATE.



LIGHTING CONTROL

NOTES

- SECONDARY POWER DISTRIBUTION & CONTROL PANEL SHALL BE PAID FOR UNDER ITEM AR109400.
- PROVIDE LEGEND PLATES FOR ALL EQUIPMENT & CONTROLS IN THE SECONDARY POWER DISTRIBUTION & CONTROL PANEL.
- 3. GROUND WIRES REQUIRED BUT NOT SHOWN FOR CLARITY.



HANSON PROFESSIONAL SERVICES INC.

815 Commerce Drive, Suite 200 Oak Brook, Illinois 60523 Telephone: 630,990,3800 Fax: 630,990,3801

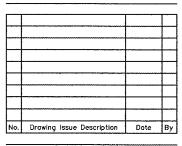


JOLIET REGIONAL PORT DISTRICT

1 Hangar Road Romeoville, Illinois 60446 Telephone: 815.838.9497 Fax: 815.838.9524

EXTEND TAXIWAY E: CONSTRUCT GA APRON, AVGAS FUELING APRON AND AUTO PARK 100

AIP PROJECT NO. 3-17-0140-B38 IDA PROJECT NO. LOT-3441



MARCH 25, 2005 Sheet Title

DISTRIBUTION CABINET **DETAILS AND SCHEMATIC**

840-04D8041	
Project Number	
KNL	03/14/05
Layout By	Date
KNL	03/14/05
Dealgned By	Date
CAH	03/14/05

MV |----