

SHEET NO.	REV.	COUNTY	TOTAL SHEETS	SHEET NO.
331	02-10-04 TS-2	WILLIAMSON	190	106A
FOR DRAWING NO. 7 ILLINOIS PROJECT				

Fabricated aluminum cabinet 760h.x510w.x355d.*
(30"h.x 20"w.x 14"d.). Aluminum door with
weather resistant lock and key and 710x460x13*
(28"x18"x1/2") mounting board.

Cast aluminum cabinet 450h.x300w.x200d.
(18"h.x 12"w.x 8"d.). Aluminum door with
standard traffic signal lock and key and
400x250x13 (16"x10"x1/2") mounting board.
Shall only be used when specified.

Continued from traffic
signal controller

Phase conductors fed from 30 amp*,
2 pole, circuit breaker located in
traffic signal controller

#8 Wire*
Neutral bar
Equipment
ground bar

PHOTOCELL RELAY

- A Photocell with integral surge arrester
 - B 3 Position selector switch HAND-OFF-AUTO
 - C 60 amp* electrically held contactor
 - D 15 amp, 1 pole, circuit breaker
 - E 20 amp*, 2 pole, branch circuit breaker. Two spare breakers are required but are not shown
 - F Surge arrester
 - G Transformer (see notes), 1 KVA*, 240/480V primary, 120/240V sec, single phase
 - H GFCI duplex receptacle
 - I Single pole, single throw switch
 - J Shielded security fixture with 100W lamp
- (* = Size larger as needed)

GENERAL NOTES

Wiring shall be panel board fashion. All bends shall be right angles. All runs shall be vertical or parallel to panel board. Wires shall be grouped or laced.

All control installation components shall be U.L. listed.

Label equipment ground and neutral.

The total distance between the control installation and primary transformer shall not exceed 76 m (250').

For 480 V service, a step down transformer (dashed lines) is required.

Add receptacle, light, and switch in control cabinet, when specified.

All dimensions are in millimeters (inches) unless otherwise shown.

- 240 V. SERVICE
- 480 V. SERVICE

DATE	REVISIONS
	Corrected 1/19/06
1/17/08	Service disconnect
2/3/08	SA wiring, cabinet notes

**CONTROL INSTALLATION
Service Pole Mounted**

DRAFT

LGT003.DGN