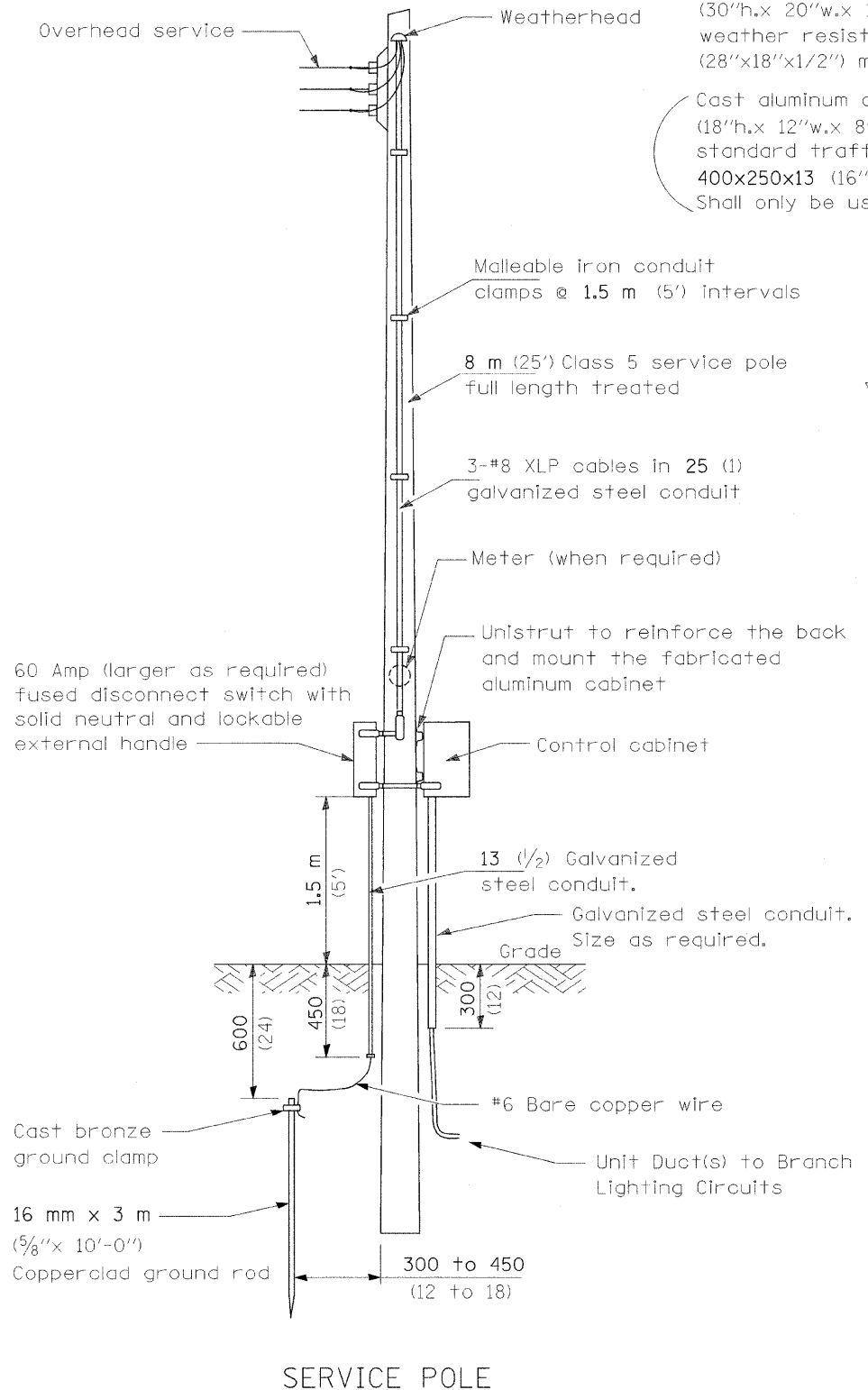


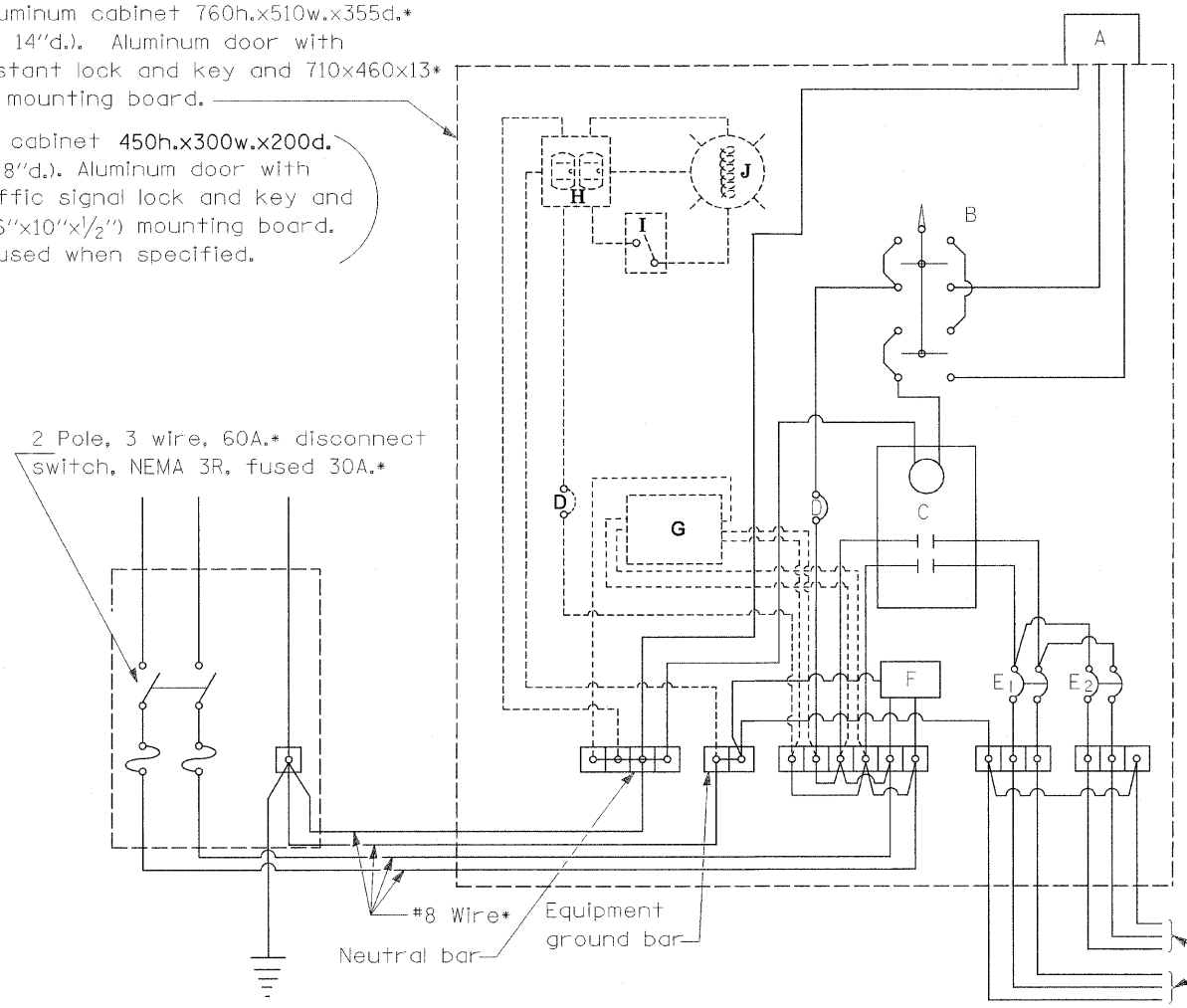
120/240V., 1 PHASE, 3 WIRE SERVICE



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.

2 Pole, 3 wire, 60A.\* disconnect switch, NEMA 3R, fused 30A.\*



- 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 arrestor
  - 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.

Locate service pole and control installation adjacent to R.O.W. line with a minimum distance of 9 m (30') from the edge of pavement. Exact location shall be established by the Engineer.

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

FILE NAME =	USER NAME = mclellanla	DESIGNED -	REVISED - Corrected 1/19/06
cs:\pw_work\PWIDOT\MCCLELLANLA\dms35908	0774345-shr-light.dgn	DRAWN -	REVISED - 1/17/08 Service disconnect
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - 2/03/08 SA wiring, cabinet notes
	PLOT DATE = 3/11/2009	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONTROL INSTALLATION SERVICE POLE MOUNTED			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	(46,47)L-2	MACON	12	9
CONTRACT NO. 74345				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				