

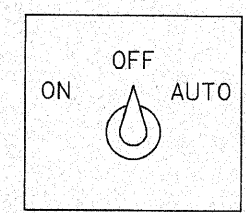
POWER REQUIREMENTS

SERVICE	-	120/240 SINGLE PHASE, 3W, 100A
CIRCUIT A	FIXT.	3 X 96VA = 384VA
	FIXT.	3 X 253VA = 506VA
	FIXT.	2 X 396VA = 792VA
	RECP.	8 X 180VA = 1440VA
CIRCUIT B	FIXT.	3 X 96VA = 288VA
	FIXT.	3 X 253VA = 759VA
	FIXT.	2 X 396VA = 792VA
	RECP.	8 X 180VA = 1440VA
CIRCUIT C	FIXT.	4 X 96VA = 384VA
	FIXT.	3 X 253VA = 759VA
	FIXT.	4 X 396VA = 1584VA
	RECP.	11 X 180VA = 1980VA
CIRCUIT D	FIXT.	3 X 96VA = 288VA
	FIXT.	3 X 253VA = 759VA
	FIXT.	4 X 396VA = 1584VA
	RECP.	10 X 180VA = 1800VA
		TOTAL = 15,696VA

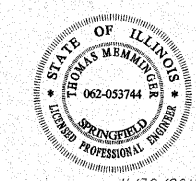
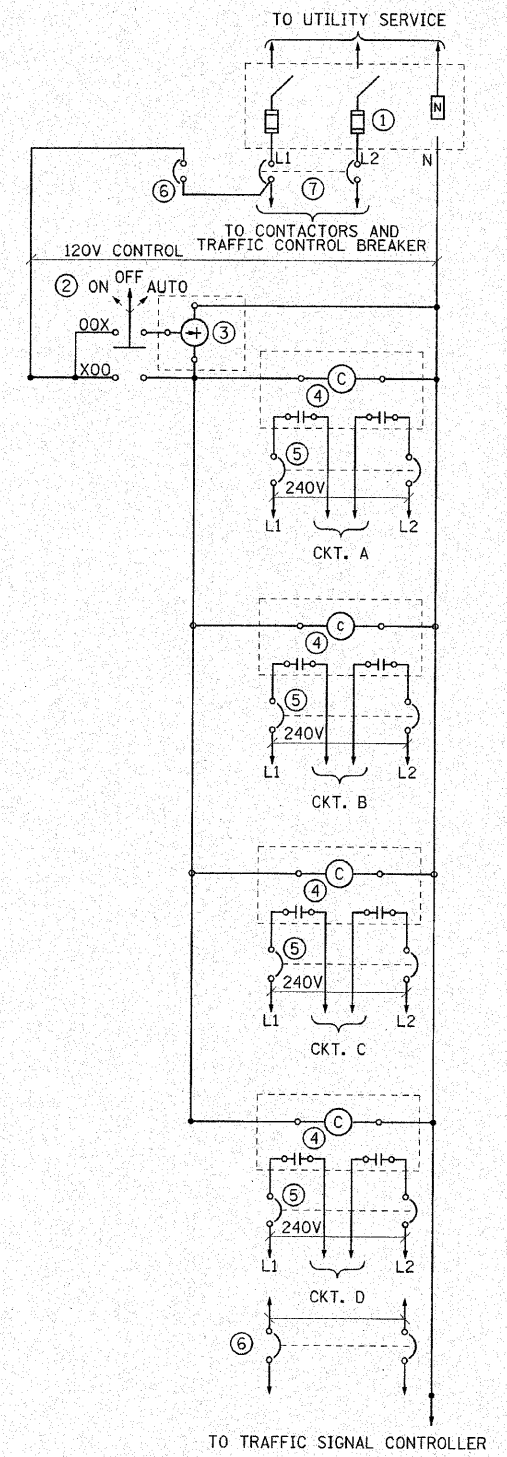
NOTES

1. FUSED DISCONNECT, 100A, 240V WITH SOLID NEUTRAL, RATED FOR SERVICE ENTRANCE USE.
2. HOA SWITCH WITH ENGRAVED NAMEPLATE AS DETAILED.
3. PHOTOCELL WITH INTERGRATED SURGE SUPPRESSOR, INSTALLED IN FIXTURE F20
4. LIGHTING CONTACTOR 30A, 2P, 240V, ELECTRICALLY HELD.
5. CIRCUIT BREAKER, 30A, 2P, 240V, INCLUDE 2 SPARE.
6. CIRCUIT BREAKER, 20A, 1P, 120V, INCLUDE 2 SPARE.
7. MAIN CIRCUIT BREAKER, 100A, 2P, 240V.

HOA NAMEPLATE



CONTROLLER WIRING



EXPIRES: 11/30/2011
 THOMAS MEMMINGER
 ELECTRICAL ENGINEER
 10/15/2010
 DATE

FILE NAME = I:\champaign\108940100\draw\cadd\sheet5	USER NAME = Jim Michael	DESIGNED - TW	<p>CMT CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS License No. 184-000613</p>	<p>CITY OF CHAMPAIGN DEPARTMENT OF PUBLIC WORKS</p>		<p>CABLE / WIRING PLAN FOURTH STREET IMPROVEMENT CHAMPAIGN, ILLINOIS</p>		F.A.U. RTE. 7171	SECTION 10-00285-00-SP	COUNTY CHAMPAIGN	TOTAL SHEETS 55	SHEET NO. 50
DRAWN - P.M.T.		CHECKED - J.M.M.						DATE - 10/15/2010	SCALE: SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 91445	
PLOT SCALE = 3/8" = 1' IN.										ILLINOIS FED. AID PROJECT		
PLOT DATE = 10/16/2010												