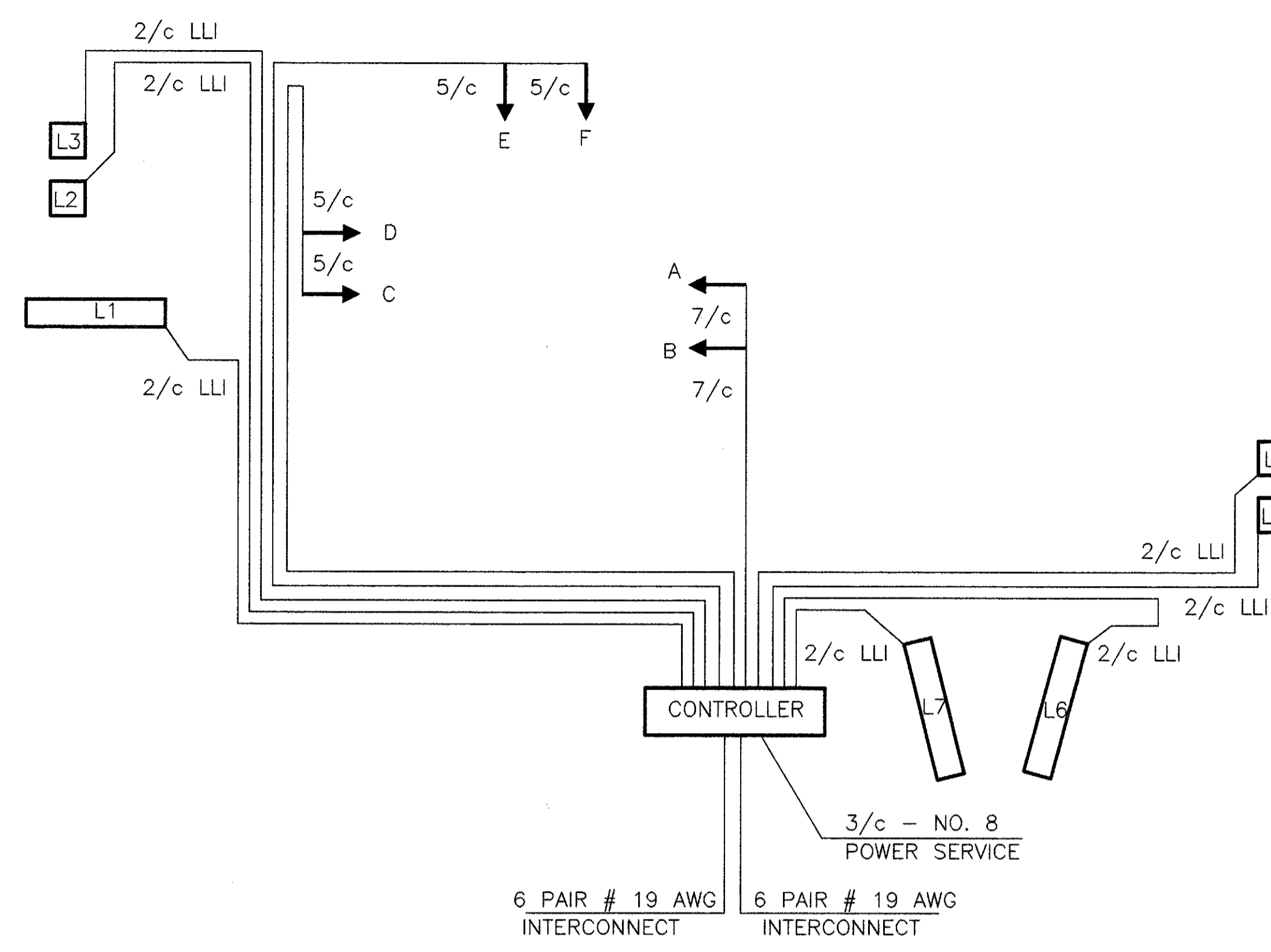
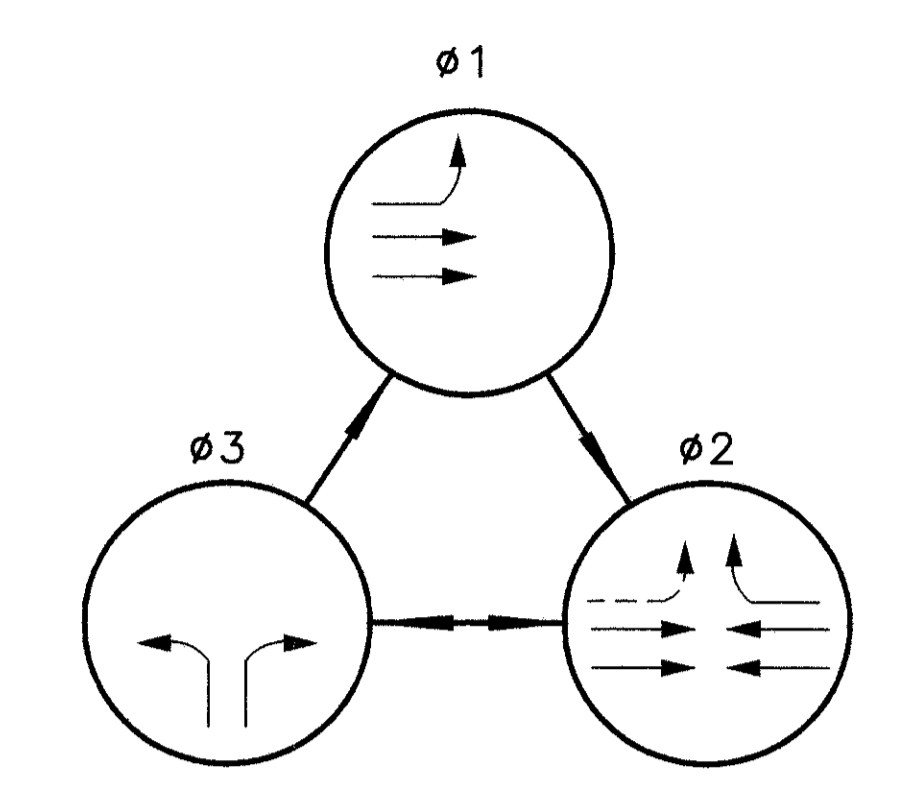


SUPPORT NO.	SIGNAL SUPPORT						ORIENTATION ANGLES (DEG.) FROM MAST ARM "A"													
	TC-81.20		TC-12.30				L	L1	L2	L3	X1	MAST ARM A ANGLE (DEG.)	MAST ARM B	PEDESTRIAN SIGNALS	PEDESTRIAN PUSH BUTTONS	POWER SERVICE	CONTROLLER	LUMINAIRE BRACKET	HANDHOLE	CABLE ENTRANCE (12" FROM TOP)
	POLE DESIGN NO.	ARM DESIGN NO.	POLE HEIGHT (FT)	FOUNDATION	STATION	OFFSET														
P1	11		21'	244+79	49'R	40	19	39			0								180	
P2	6	11	21'	244+26	55'L	44	29	43			250								180	
		11				40	21	39			110									

ORIENTATION ANGLE CHART



WIRING DIAGRAM



PHASING DIAGRAM

FUNCTION	ø1	ø2	ø3
MINIMUM GREEN	7	8	7
PED WALK	-	-	-
PED CLEARANCE	-	-	-
GREEN EXTENSION	2.5	3.0	2.5
MAXIMUM GREEN	15	65	23
YELLOW CLEARANCE	4.2	4.7	3.6
ALL RED CLEARANCE	1.0	1.2	1.6
RECALL	NONE	MIN	NONE

SIGNAL TIMING

NOTES:  
1. PHASE SPLITS SHALL INCLUDE ALL GREEN PLUS YELLOW & ALL RED  
2. PERMISSIVES SHALL START AT THE ZERO POINT OF THE CYCLE  
3. OFFSETS SHALL BE REFERENCED TO THE BEGINNING OF PHASE 1 YELLOW

	DIAL 1	DIAL 2	DIAL 3
CYCLE LENGTH	90 SEC	110 SEC	120 SEC
PHASE 1 SPLIT	16 %	16 %	14 %
PHASE 2 SPLIT	55 %	52 %	61 %
PHASE 3 SPLIT	29 %	32 %	25 %
PERMISSIVE	10 %	10 %	10 %
OFFSET	42 %	29 %	12 %
TIME OF DAY SCHEDULE	ALL OTHER TIMES	6:30AM TO 2:30PM 6:30PM TO 9:00PM MON-SAT	2:30PM TO 6:30PM MON-SAT

COORDINATION TIMING

SIGNAL HEAD	ø1		ø2		ø3		FLASH
	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	
A	G/G	G	G	Y R	R	R R	Y
B	G	G	G	Y R	R	R R	Y
C	R	R R	G	Y R	R	R R	Y
D	R	R R	G	Y R	R	R R	Y
E	R	R R	R	R R	G	Y R	R
F	R	R R	R	R R	G	Y R	R

SIGNAL DISPLAY CHART

LOOP #	SIZE	# TURNS	MODE	DELAY	UNIT #	PHASE
L1	6' x 40'	2	PRESENCE	0	1	1
L2	6' x 6'	3	PRESENCE	0	2	SYSTEM
L3	6' x 6'	3	PRESENCE	0	3	SYSTEM
L4	6' x 6'	3	PRESENCE	0	4	SYSTEM
L5	6' x 6'	3	PRESENCE	0	5	SYSTEM
L6	8' x 30'	2	PRESENCE	8	6	3
L7	8' x 40'	2	PRESENCE	0	7	3

LOOP DETECTOR CHART

ITEM	TOTAL	UNIT	DESCRIPTION
625	3	EACH	GROUND ROD
625	6	EACH	PULLBOX, 18", AS PER PLAN
625	169	LIN FT	CONDUIT, 2", 713.04
625	182	LIN FT	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 3"
625	169	LIN FT	TRENCH
632	5	EACH	VEHICULAR SIGNAL HEAD, 3 SECT., 12" LENS, 1 WAY, AS PER PLAN
632	1	EACH	VEHICULAR SIGNAL HEAD, 5 SECT., 12" LENS, 1 WAY, AS PER PLAN
632	6	EACH	LOOP DETECTOR UNIT, AS PER PLAN
632	1	EACH	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, AS PER PLAN
632	5.58	CU YD	CONCRETE FOR ANCHOR BASE FOUNDATIONS
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 11, WITH 40' ARM
632	1	EACH	SIGNAL SUPPORT, TYPE TC-12.30, DES. 6, WITH MAST ARMS
			TYPE TC-81.20, DES. 11, 44' AND TYPE TC-81.20 DES. 11, 40'
632	2	EACH	CABLE SUPPORT ASSEMBLY
632	454	LIN FT	LOOP DETECTOR PAVEMENT CUTTING
632	484	LIN FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
632	97	LIN FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	1274	LIN FT	LOOP DETECTOR WIRE, TYPE E
632	860	LIN FT	LOOP DETECTOR LEAD-IN CABLE
632	96	LIN FT	POWER CABLE, 3 CONDUCTOR, NO. 8 AWG
632	1	EACH	CONDUIT RISER, 2" DIAM.
632	6	EACH	COVERING OF VEHICULAR SIGNAL HEADS
632	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN
633	8.33	SQ FT	CONTROLLER WORK PAD
633	.99	CU YD	CONCRETE FOR CABINET FOUNDATION
633	1	EACH	CONTROLLER, ACTUATED, 3 PHASE, SOLID-STATE DIGITAL, MICROPROCESSOR, AS PER PLAN