

NOTES:  
1. ALL ANGLES MEASURED CLOCKWISE.  
2. BASE PLATE IS ORIENTED SQUARE TO MAST ARM A (LARGEST ARM) EVEN IF SUPPORT HAS TWO MAST ARMS.

SUPPORT NO.	SIGNAL SUPPORT						ORIENTATION ANGLES (DEG.) FROM MAST ARM "A"													
	TC-81.20		TC-12.30				L	L 1	L 2	L 3	X 1	MAST ARM A ANGLE (DEG.)	MAST ARM B ANGLE (DEG.)	PEDESTRIAN SIGNALS	PEDESTRIAN PUSH BUTTONS	POWER SERVICE	CONTROLLER	LUMINAIRE BRACKET	HANDHOLE	CABLE ENTRANCE (12" FROM TOP)
	POLE DESIGN NO.	ARM DESIGN NO.	FOUNDATION STATION	FOUNDATION OFFSET	POLE HEIGHT (FT.)	FOUNDATION (FT.)														
P1	2	2	74+35	35'L	28	14	27			0	0	270	270		90	180				
P2	PED	PED	75+01	37'L								90	90			180				
P3	3	3	74+91	37'R	33	20	32			0	0	90	0			180				
P4	1	1	74+48	36'R	22	11	21			90	180	270				180				

ORIENTATION ANGLE CHART

FUNCTION	Ø2	Ø4
MINIMUM GREEN	20	10
PED WALK	7	7
PED CLEARANCE	12	15
GREEN EXTENSION	2.5	2.5
MAXIMUM GREEN	75	26
YELLOW CLEARANCE	3.1	3.1
ALL RED CLEARANCE	1.9	1.9
RECALL	MIN	NONE

SIGNAL TIMING

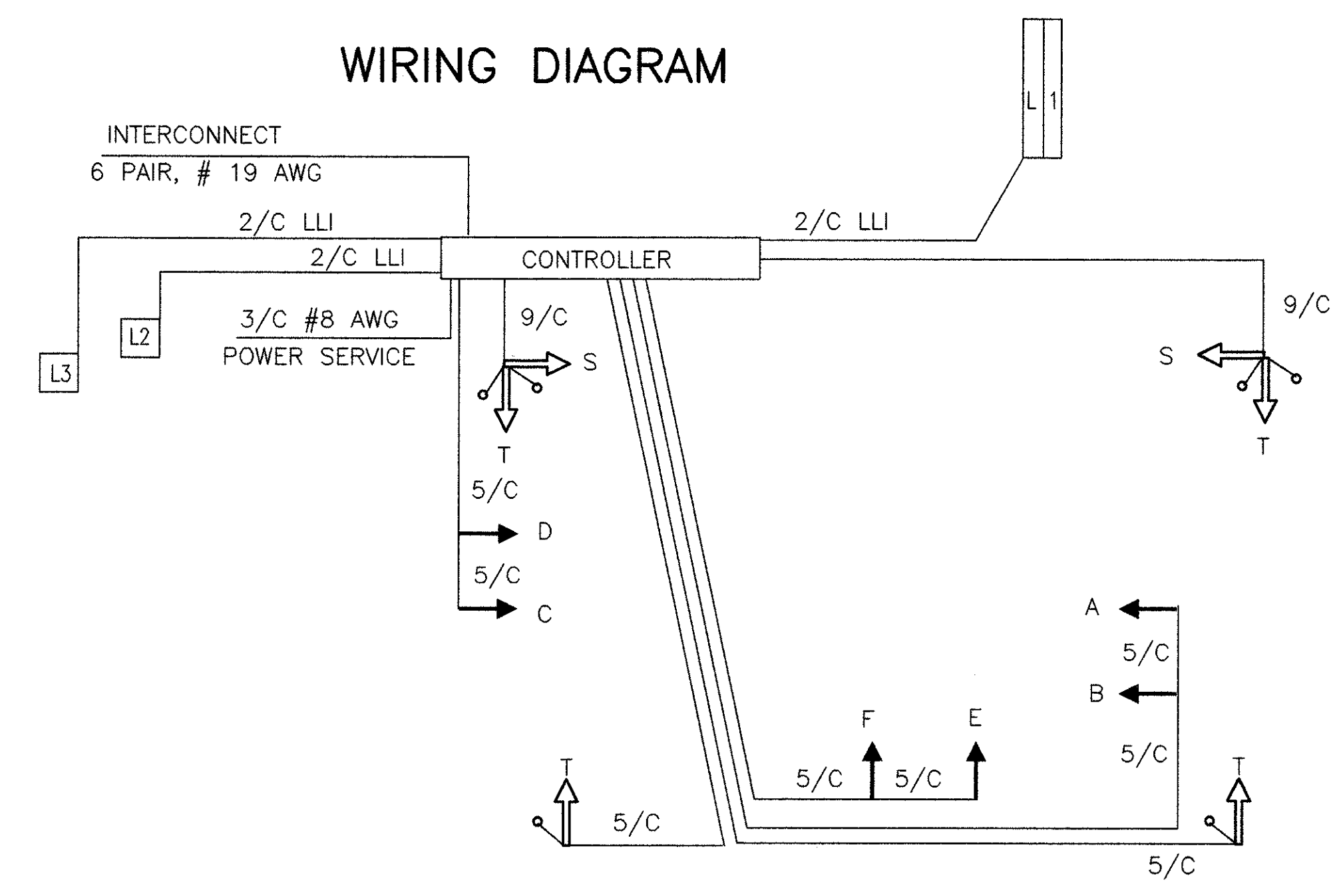
SIGNAL HEAD	Ø2				Ø4				FLASH
	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	
A	G	G	Y	R	R	R	R	R	Y
B	G	G	Y	R	R	R	R	R	Y
C	G	G	Y	R	R	R	R	R	Y
D	G	G	Y	R	R	R	R	R	Y
E	R	R	R	R	G	G	Y	R	R
F	R	R	R	R	G	G	Y	R	R
S-S	W	FDW	DW	DW	DW	DW	DW	DW	DARK
T-T	DW	DW	DW	DW	W	FDW	DW	DW	DARK

SIGNAL DISPLAY CHART

LOOP #	SIZE	# TURNS	MODE	DELAY	UNIT #	PHASE
L1	6' x 25'	2-4-2	PRESENCE	8	1	4
L2	6' x 6'	3	PRESENCE		2	SYSTEM
L3	6' x 6'	3	PRESENCE		3	SYSTEM

LOOP DETECTOR CHART

WIRING DIAGRAM



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 2 YELLOW

	DIAL 1	DIAL 2	DIAL 3
CYCLE LENGTH	90 SEC	110 SEC	120 SEC
PHASE 2 SPLIT	71 %	72 %	78 %
PHASE 4 SPLIT	29 %	28 %	22 %
PERMISSIVE	15 %	15 %	15 %
OFFSET	62 %	84 %	42 %
TIME OF DAY SCHEDULE	ALL OTHER TIMES	6:30AM TO 9:00AM MON-SAT	3:30PM TO 6:30PM MON-SAT

COORDINATION TIMING

ITEM	TOTAL	UNIT	DESCRIPTION
202	38	LIN FT	CURB REMOVED
202	80	SQ FT	WALK REMOVED
608	80	SQ FT	4" CONCRETE WALK
608	2	EACH	CURB RAMP, TYPE 1
608	2	EACH	CURB RAMP, TYPE 2
625	4	EACH	GROUND ROD
625	4	EACH	PULLBOX, 18", AS PER PLAN
625	107	LIN FT	CONDUIT, 2", 713.04
625	4	LIN FT	CONDUIT, 3", 713.04
625	129	LIN FT	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 3"
625	103	LIN FT	TRENCH
630	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND STORAGE
632	6	EACH	VEHICULAR SIGNAL HEAD, 3 SECT., 12" LENS, 1-WAY, AS PER PLAN
632	6	EACH	PEDESTRIAN SIGNAL HEAD, TYPE D2
632	6	EACH	PEDESTRIAN PUSHBUTTON
632	2	EACH	LOOP DETECTOR UNIT, AS PER PLAN
632	1	EACH	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, AS PER PLAN
632	5.02	CU YD	CONCRETE FOR ANCHOR BASE FOUNDATION
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 1, WITH 17' ARM
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 2, WITH 28' ARM
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 4 WITH 33' ARM
632	1	EACH	PEDESTAL, 8", TRANSFORMER BASE
632	3	EACH	CABLE SUPPORT ASSEMBLY
632	167	LIN FT	LOOP DETECTOR PAVEMENT CUTTING
632	692	LIN FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
632	130	LIN FT	SIGNAL CABLE, 9 CONDUCTOR, NO. 14 AWG
632	522	LIN FT	LOOP DETECTOR WIRE, TYPE E
632	142	LIN FT	LOOP DETECTOR LEAD-IN CABLE
632	54	LIN FT	POWER CABLE, 3 CONDUCTOR, NO. 8 AWG
632	2	EACH	CONDUIT RISER, 2" DIA.
633	1	EACH	CONTROLLER, ACTUATED, 2 PHASE SOLID STATE DIGITAL MICROPROCESSOR, AS PER PLAN
642	78	LIN FT	STOP LINE, TYPE 2
642	291	LIN FT	CROSSWALK LINE, TYPE 2