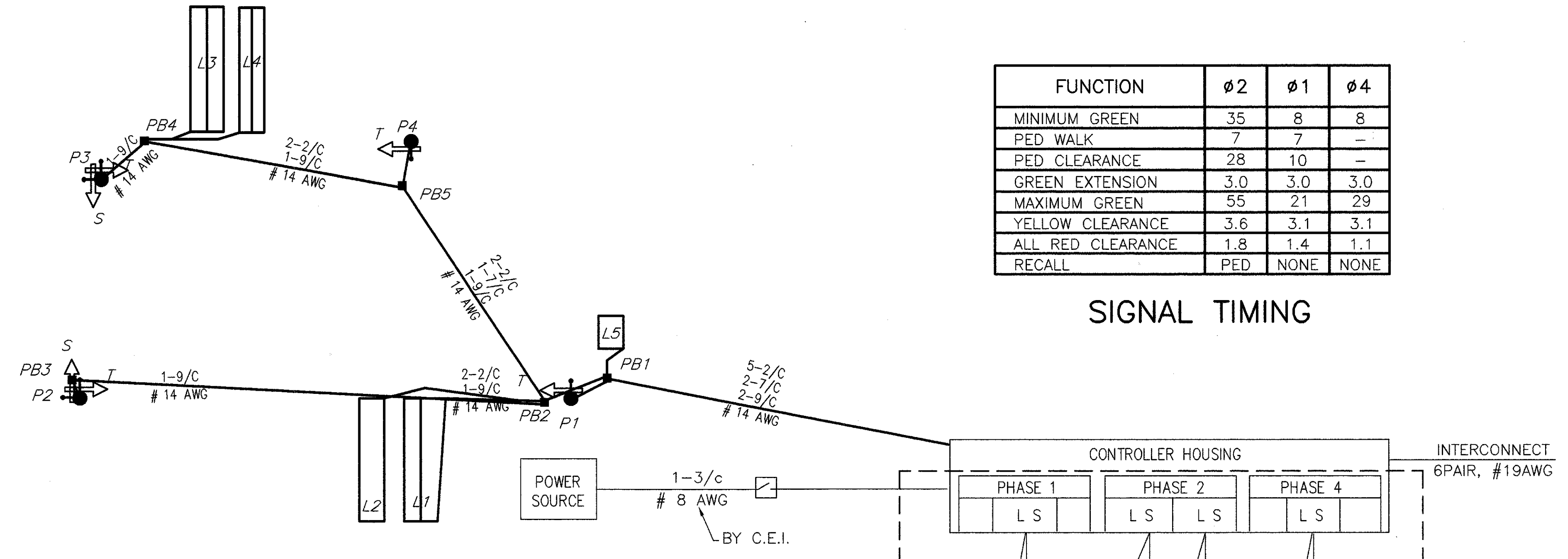


FUNCTION	Ø2	Ø1	Ø4
MINIMUM GREEN	35	8	8
PED WALK	7	7	-
PED CLEARANCE	28	10	-
GREEN EXTENSION	3.0	3.0	3.0
MAXIMUM GREEN	55	21	29
YELLOW CLEARANCE	3.6	3.1	3.1
ALL RED CLEARANCE	1.8	1.4	1.1
RECALL	PED	NONE	NONE

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

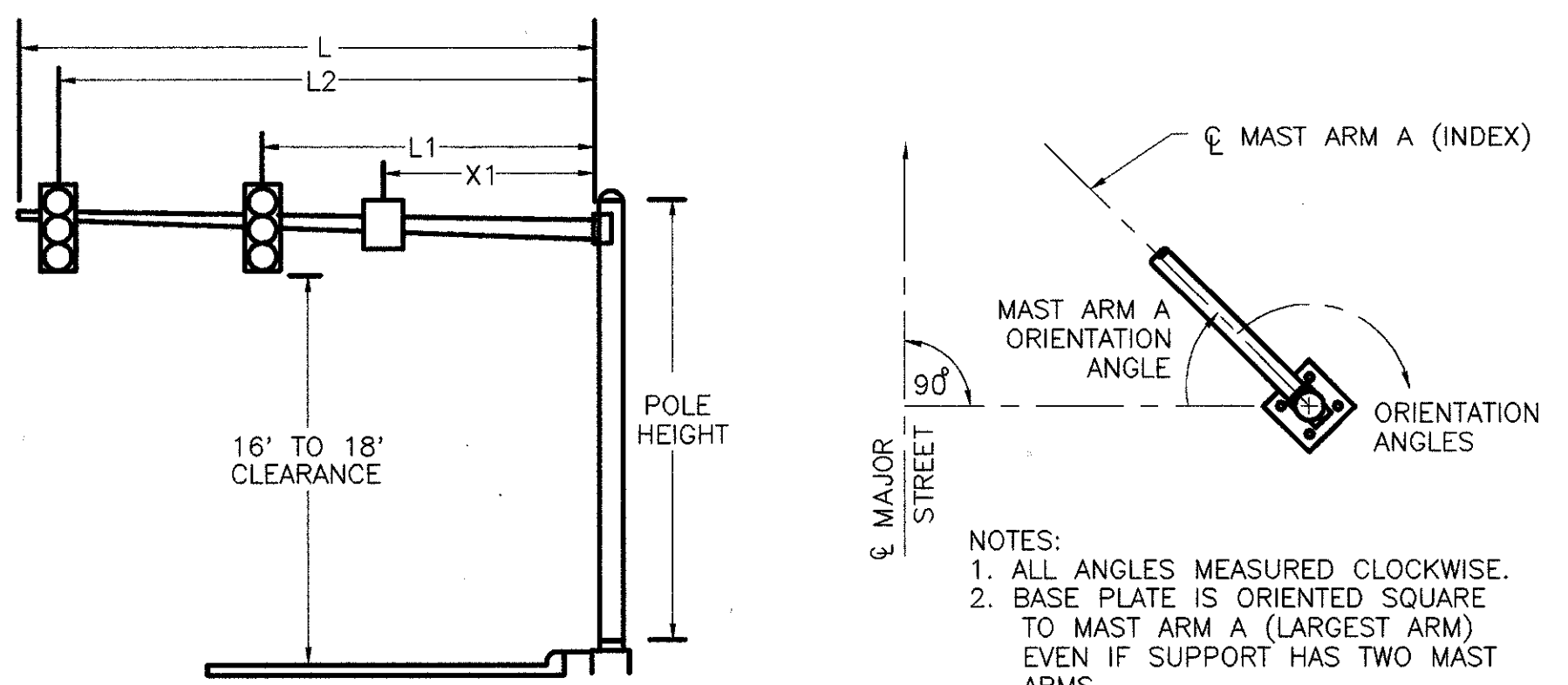
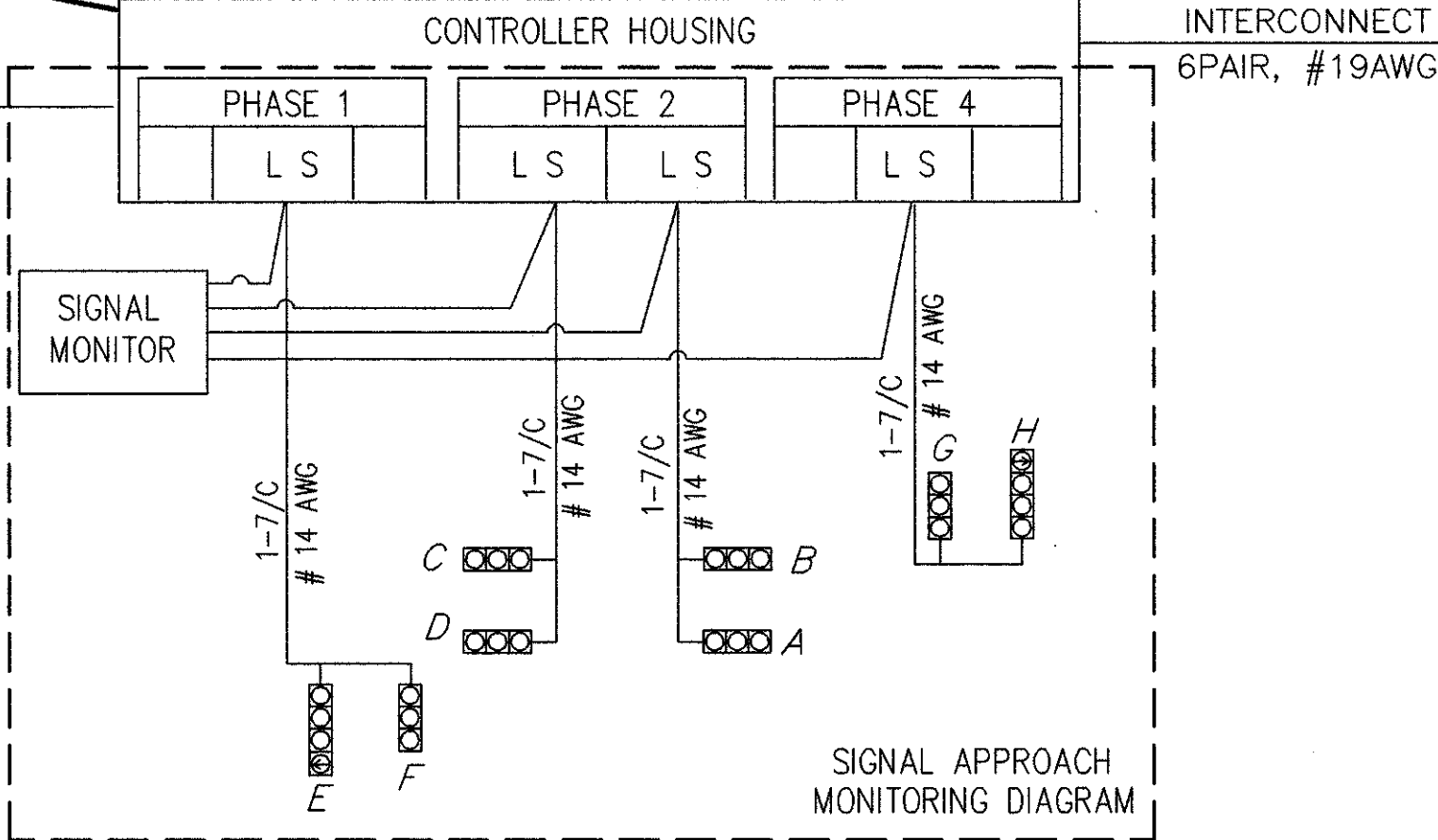


SIGNAL TIMING

	DIAL 1	DIAL 2	DIAL 3
CYCLE LENGTH	90	100	110
PHASE 1 SPLIT	29 %	26 %	23 %
PHASE 2 SPLIT	47 %	41 %	55 %
PHASE 4 SPLIT	24 %	33 %	22 %
PERMISSIVE	10 %	10 %	10 %
OFFSET	40 %	98 %	88 %
TIME OF DAY SCHEDULE	ALL OTHER TIMES	6:30AM TO 9:00AM MON-SAT	3:30PM TO 6:30PM MON-SAT

COORDINATION TIMING

WIRING DIAGRAM



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.

SIGNAL HEAD	Ø1		Ø2		Ø4		FLASH
	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	
A	R	R	R	R	G	Y	R
B	R	R	R	R	G	Y	R
C	R	R	R	R	G	Y	R
D	R	R	R	R	G	Y	R
E	R	R	R	R	R	R	R
F	R	R	R	R	R	R	R
G	G	G	Y	R	R	R	R
H	G	G	Y	R	R	R	R
S-S	W	FDW	DW	DW	DW	DW	DW
T-T	DW	DW	DW	DW	W	FDW	DW

SIGNAL DISPLAY CHART

LOOP #	SIZE	# TURNS	MODE	DELAY	UNIT #	PHASE
L1	8'X10'X30'	2-4-2	PRESENCE	8	1	4
L2	6' x 30'	2-4-2	PRESENCE	0	2	4
L3	8' x 30'	2-4-2	PRESENCE	8	3	1
L4	6' x 30'	2-4-2	PRESENCE	0	4	1
L5	6' x 8'	3	PRESENCE	0	5	SYSTEM

LOOP DETECTOR CHART

SUPPORT NO.	SIGNAL SUPPORT		FOUNDATION					X 1	MAST ARM A ANGLE (DEG.)	ORIENTATION ANGLES (DEG.) FROM MAST ARM "A"						
	TC-81.20	TC-12.30	STATION	OFFSET	L	L 1	L 2			L 3	MAST ARM B	PEDESTRIAN SIGNALS	PEDESTRIAN PUSH BUTTONS	POWER SERVICE	CONTROLLER	LUMINAIRE BRACKET
P1	2	2	172+90	28'R	26	14	25		0	0	0				180	
P2	11	11	171+72	28'R	42	28	41		90	180	180				180	
P3	1	1	171+77	25'L	23	12	22		0	180	90				180	
P4	1	1	172+53	34'L	15	4	14		90	270	270				180	

ORIENTATION ANGLE CHART

ITEM	TOTAL	UNIT	DESCRIPTION
202	50	SQ FT	WALK REMOVED
608	50	SQ FT	4" CONCRETE WALK
625	6	EACH	GROUND ROD
625	5	EACH	PULLBOX, MISC: AS PER PLAN
625	75	LIN FT	CONDUIT, 2", 713.04
625	6	LIN FT	CONDUIT, 3", 713.04
625	240	LIN FT	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 3"
625	81	LIN FT	TRENCH
632	6	EACH	VEHICULAR SIGNAL HEAD, 3 SECT., 12" LENS, 1-WAY, AS PER PLAN
632	2	EACH	VEHICULAR SIGNAL HEAD, 4 SECT., 12" LENS, 1-WAY, AS PER PLAN
632	6	EACH	PEDESTRIAN SIGNAL HEAD, TYPE D2
632	6	EACH	PEDESTRIAN PUSHBUTTON
632	3	EACH	LOOP DETECTOR UNIT, AS PER PLAN
632	2	EACH	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, AS PER PLAN
632	7.10	CU YD	CONCRETE FOR ANCHOR BASE FOUNDATION
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 1, WITH 15' ARM
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 1, WITH 23' ARM
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 2, WITH 26' ARM
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 11, WITH 42' ARM
632	4	EACH	CABLE SUPPORT ASSEMBLY
632	557	LIN FT	LOOP DETECTOR PAVEMENT CUTTING
632	976	LIN FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	400	LIN FT	SIGNAL CABLE, 9 CONDUCTOR, NO. 14 AWG
632	1428	LIN FT	LOOP DETECTOR WIRE, TYPE E
632	460	LIN FT	LOOP DETECTOR LEAD-IN CABLE
632	28	LIN FT	POWER CABLE, 3 CONDUCTOR, NO. 8 AWG
632	1	EACH	CONDUIT RISER, 1 1/2"
632	8	EACH	COVERING OF VEHICULAR SIGNAL HEAD
632	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION, AS PER PLAN
633	8.33	SQ FT	CONTROLLER WORK PAD
633	0.99	CU YD	CONCRETE FOR CABINET FOUNDATION
633	1	EACH	CONTROLLER, ACTUATED, 4 PHASE, SOLID STATE DIGITAL MICROPROCESSOR, AS PER PLAN