

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	85	100	120
PHASE 2 SPLIT	69 %	74 %	78 %
PHASE 4 SPLIT	31 %	26 %	22 %
PERMISSIVE	15 %	15 %	15 %
OFFSET	9 %	11 %	81 %
TIME OF DAY SCHEDULE	ALL OTHER TIMES	6:30AM TO 9:00AM MON-SAT	3:30PM TO 6:30PM MON-SAT

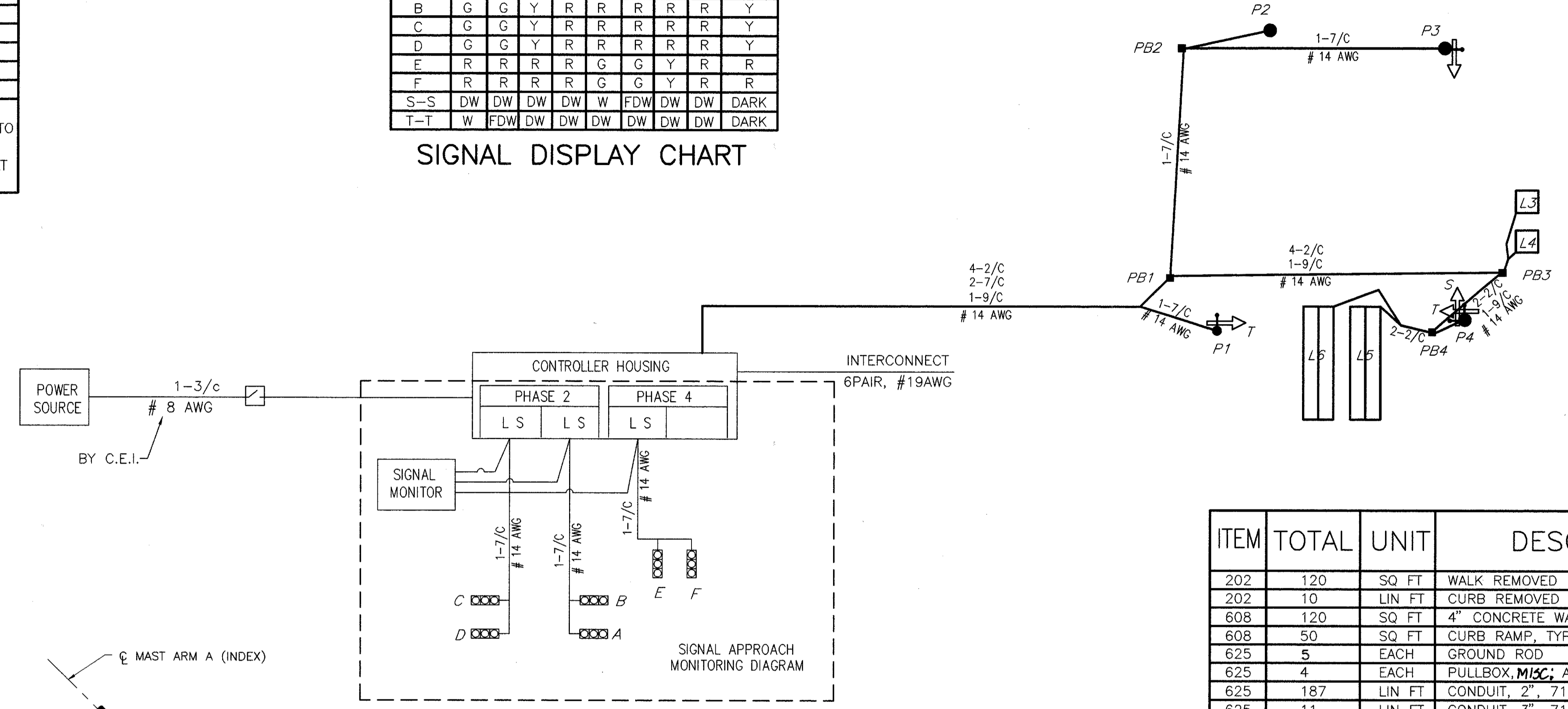
COORDINATION TIMING

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	DW	DW	DW	DW	W	FDW	DW	DW	DARK
T-T	W	FDW	DW	DW	DW	DW	DW	DW	DARK

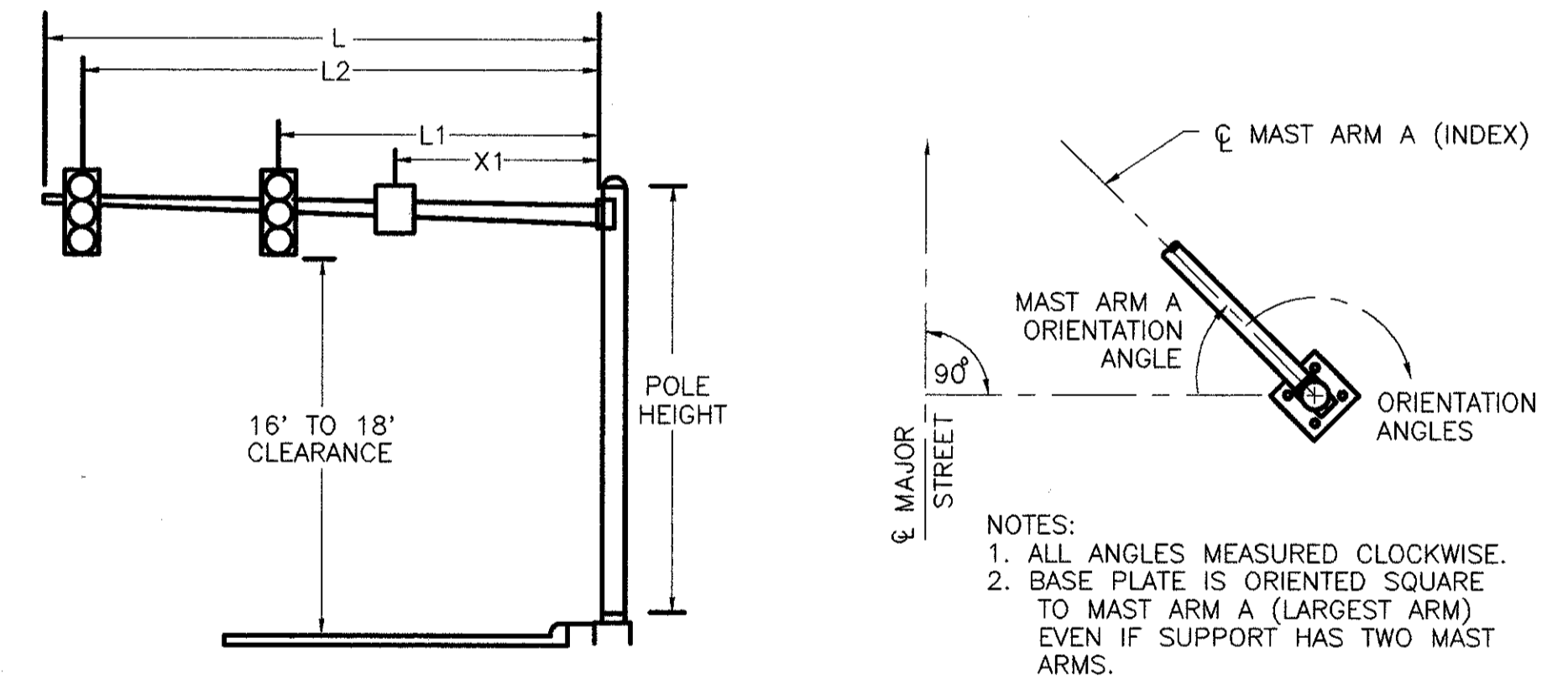
SIGNAL DISPLAY CHART

FUNCTION	Ø2	Ø4
MINIMUM GREEN	22	8
PED WALK	7	7
PED CLEARANCE	15	14
GREEN EXTENSION	3.0	3.0
MAXIMUM GREEN	88	22
YELLOW CLEARANCE	3.9	3.1
ALL RED CLEARANCE	1.0	1.6
RECALL	PED	NONE

SIGNAL 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.

SUPPORT NO.	SIGNAL SUPPORT		FOUNDATION					MAST ARM A ANGLE (DEG.)	ORIENTATION ANGLES (DEG.) FROM MAST ARM "A"									
	POLE DESIGN NO.	ARM DESIGN NO.	STATION	OFFSET	L	L 1	L 2		L 3	X 1	MAST ARM B	PEDESTRIAN SIGNALS	PEDESTRIAN PUSH BUTTONS	POWER SERVICE	CONTROLLER	LUMINAIRE BRACKET	HANDHOLE	CABLE ENTRANCE (12" FROM TOP)
	TC-81.20	TC-12.30	(FT.)	(FT.)	(FT.)	(FT.)	(FT.)		(FT.)	(FT.)	(DEG.)	(DEG.)	(DEG.)	(DEG.)	(DEG.)	(DEG.)	(DEG.)	(DEG.)
P1	2	2	194+42	46'R						0	0	0					180	
P2	2	2	194+46	34'L	25	12	24			0							180	
P3	2	2	194+99	31'L	30	16	29			90	180	180					90	
P4	3	3	195+08	43'R	35	22	34			0	0	0					180	

ORIENTATION ANGLE CHART

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

LOOP DETECTOR CHART

ITEM	TOTAL	UNIT	DESCRIPTION
202	120	SQ FT	WALK REMOVED
202	10	LIN FT	CURB REMOVED
608	120	SQ FT	4" CONCRETE WALK
608	50	SQ FT	CURB RAMP, TYPE 2
625	5	EACH	GROUND ROD
625	4	EACH	PULLBOX, MISC; AS PER PLAN
625	187	LIN FT	CONDUIT, 2", 713.04
625	11	LIN FT	CONDUIT, 3", 713.04
625	151	LIN FT	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 3"
625	198	LIN FT	TRENCH
630	12	LIN FT	GROUND MOUNTED SUPPORT, NO. 3 POST
630	8	SQ FT	SIGN, FLAT SHEET, TYPE G
630	1	EACH	REMOVAL OF GROUND MOUNTED SIGN & STORAGE
630	1	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT & DISPOSAL
632	6	EACH	VEHICULAR SIGNAL HEAD, 3 SECT., 12" LENS, 1-WAY, AS PER PLAN
632	4	EACH	PEDESTRIAN SIGNAL HEAD, TYPE D2
632	4	EACH	PEDESTRIAN PUSHBUTTON
632	3	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 FOUNDATIONS
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 2, WITH 25' ARM
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 2, WITH 30' ARM
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 3, WITH 35' ARM
632	1	EACH	PEDESTAL, 8", TRANSFORMER BASE
632	3	EACH	CABLE SUPPORT ASSEMBLY
632	309	LIN FT	LOOP DETECTOR PAVEMENT CUTTING
632	849	LIN FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	175	LIN FT	SIGNAL CABLE, 9 CONDUCTOR, NO. 14 AWG
632	874	LIN FT	LOOP DETECTOR WIRE, TYPE E
632	520	LIN FT	LOOP DETECTOR LEAD-IN CABLE
632	63	LIN FT	POWER CABLE, 3 CONDUCTOR, NO. 8 AWG
632	1	EACH	CONDUIT RISER, 1 1/2"
632	6	EACH	COVERING OF VEHICULAR SIGNAL HEAD
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
642	67	LIN FT	STOP LINE, TYPE 2
642	240	LIN FT	CROSSWALK LINE, TYPE 2
642	30	LIN FT	CHANNELIZING LINE, TYPE 2
642	48	LIN FT	REMOVAL OF PAVEMENT MARKING