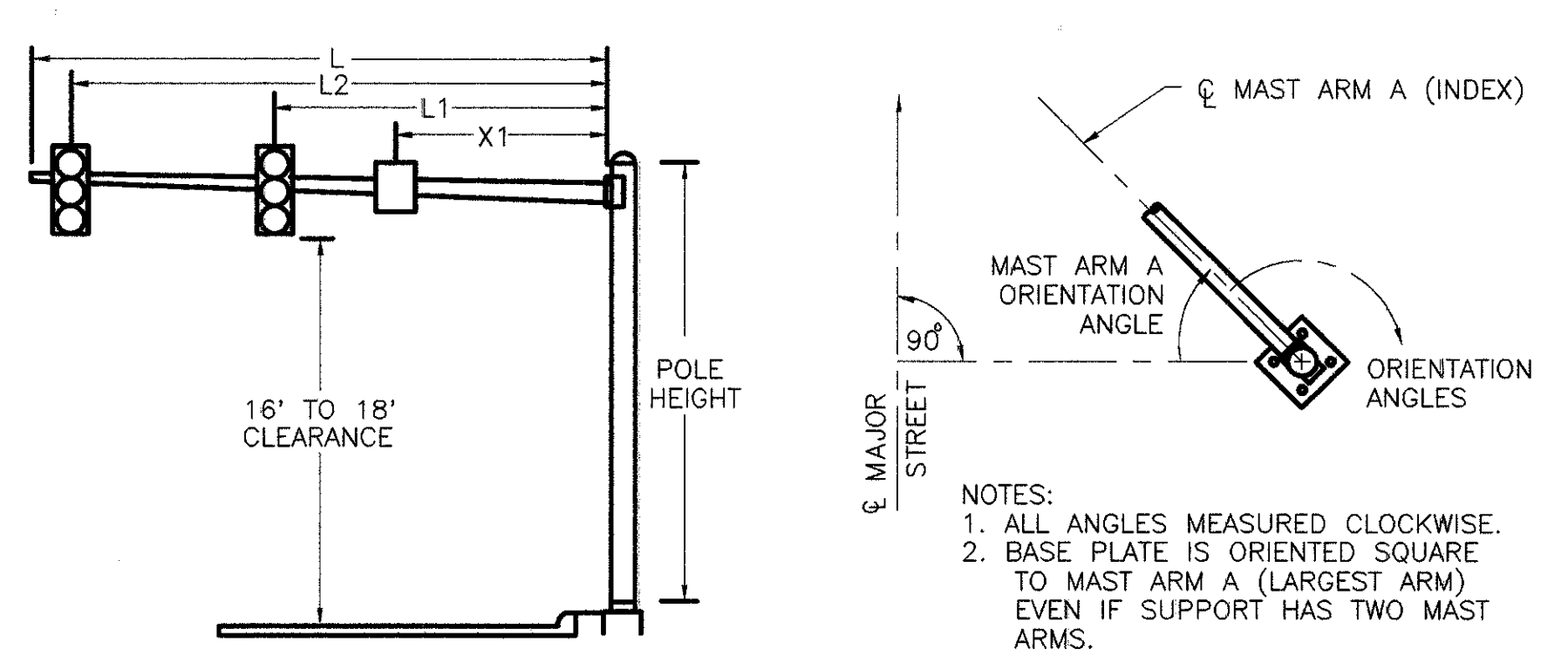


WIRING DIAGRAM



FUNCTION	Ø1	Ø2	Ø3	Ø4
MINIMUM GREEN	10	8	8	8
PED WALK	-	4	4	4
PED CLEARANCE	-	7	15	14
GREEN EXTENSION	3.0	3.0	3.0	3.0
MAXIMUM GREEN	42	51	20	19
YELLOW CLEARANCE	3.7	4.6	3.1	3.6
ALL RED CLEARANCE	1.9	2.0	1.6	1.9
RECALL	NONE	NONE	NONE	NONE

SIGNAL TIMING

LOOP #	SIZE	# TURNS	MODE	DELAY	UNIT	# PHASE
L1	6' x 25'	2-4-2	PRESENCE	0	1	2
L2	6' x 25'	2-4-2	PRESENCE	0	2	2
L3	8' x 30'	2-4-2	PRESENCE	0	3	3
L4	6' x 30'	2	PRESENCE	0	4	4
L5	6' x 30'	2	PRESENCE	0	5	1
L6	8' x 50'	2-4-2	PRESENCE	0	6	1

LOOP DETECTOR CHART

SIGNAL HEAD	Ø1		Ø2		Ø3		Ø4		FLASH
	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	R/W	CLEAR	
A	R	R	R	G	Y	R	R	R	R
B	R	R	R	G	Y	R	R	R	R
C	R	R	R	R	R	R	R	R	R
D	R	R	R	R	R	R	R	R	R
E	G	Y	R	R	R	R	R	R	R
F	G	Y	R	R	R	R	R	R	R
G	R	R	R	R	R	R	R	R	R
H	R	R	R	R	R	R	R	R	R
X-X	DW	DW	DW	DW	DW	DW	DW	DW	DW
Y-Y	DW	DW	DW	DW	DW	DW	DW	DW	DW
Z-Z	DW	DW	DW	W	FDW	DW	DW	DW	DW

SIGNAL DISPLAY CHART

SUPPORT NO.	SIGNAL SUPPORT				ORIENTATION ANGLES (DEG.) FROM MAST ARM "A"																				
	TC-81.20		TC-12.30		L				L1				L2				L3				L4				
	POLE DESIGN NO.	ARM DESIGN NO.	POLE HEIGHT (FT.)	FOUNDATION	STATION	OFFSET	(FT.)	(FT.)	(FT.)	(FT.)	(FT.)	(FT.)	(FT.)	(FT.)	(FT.)	(FT.)	(FT.)	(FT.)	(FT.)	(FT.)	(FT.)	(FT.)	(FT.)		
P1	PED		8'	319+09	37'L																				
P2	PED		8'	319+81	41'L																				
P3	12	12	20'	319+96	26'L	41	14	24	28	40															
P4	4	4	20'	319+64	34'R	35	23	34																	
P5	1	1	20'	319+35	24'R	19	6	18																	
P6	PED		8'	321+04	58'R																				
P7	PED		8'	320+77	84'R																				

ORIENTATION ANGLE CHART

ITEM	TOTAL	UNIT	DESCRIPTION
625	8	EACH	GROUND ROD
625	8	EACH	PULLBOX, MISC, AS PER PLAN
625	178	LIN FT	CONDUIT, 2", 713.04
625	33	LIN FT	CONDUIT, 3", 713.04
625	245	LIN FT	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 3"
625	211	LIN FT	TRENCH
632	3	EACH	VEHICULAR SIGNAL HEAD, 3 SECT., 12" LENS, 1-WAY, AS PER PLAN
632	4	EACH	VEHICULAR SIGNAL HEAD, 4 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	PEDESTRIAN SIGNAL HEAD, TYPE D2
632	6	EACH	PEDESTRIAN PUSHBUTTON
632	6	EACH	LOOP DETECTOR UNIT, AS PER PLAN
632	8.62	CU YD	CONCRETE FOR ANCHOR BASE FOUNDATION
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 1, WITH 19' ARM
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 4, WITH 35' ARM
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 12, WITH 41' ARM
632	4	EACH	PEDESTAL, 8", TRANSFORMER BASE
632	3	EACH	CABLE SUPPORT ASSEMBLY
632	653	LIN FT	LOOP DETECTOR PAVEMENT CUTTING
632	1410	LIN FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	151	LIN FT	SIGNAL CABLE, 9 CONDUCTOR, NO. 14 AWG
632	1	EACH	PHONE DROP
632	1710	LIN FT	LOOP DETECTOR WIRE, TYPE E
632	840	LIN FT	LOOP DETECTOR LEAD-IN CABLE
632	75	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