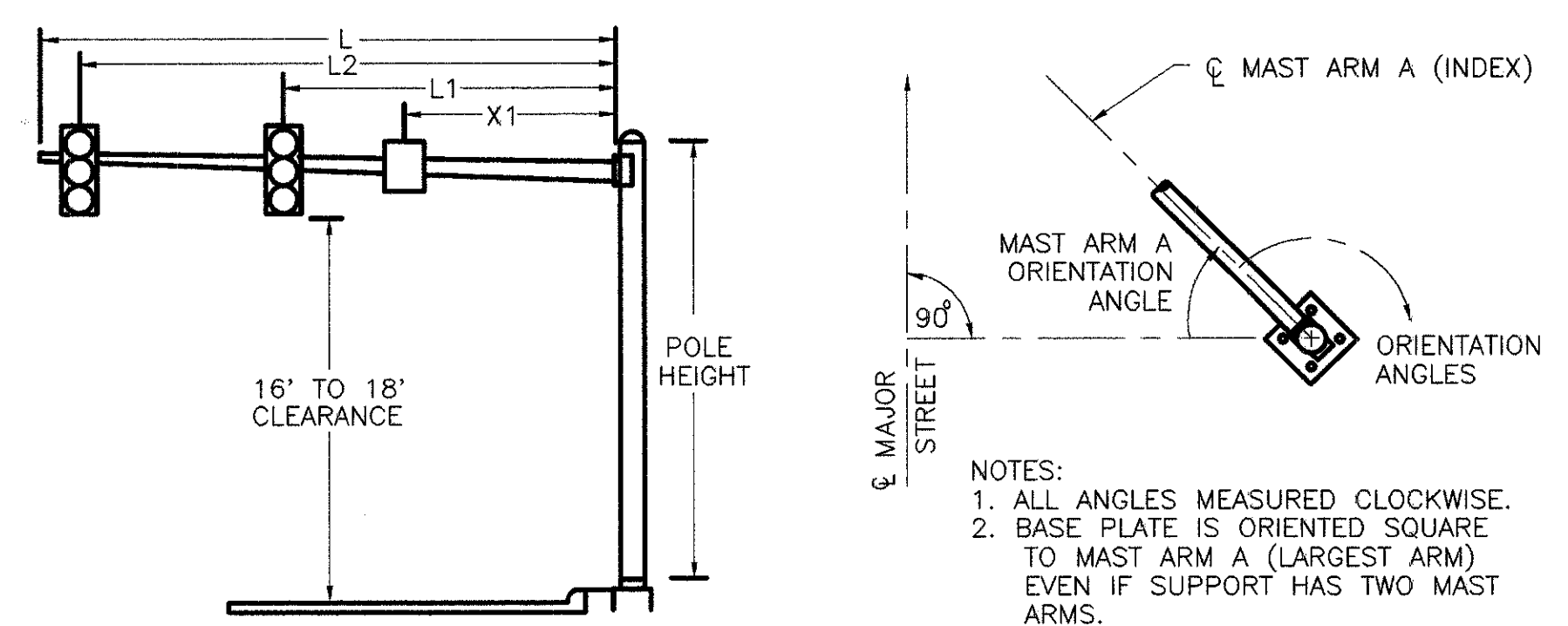


FUNCTION	Ø2	Ø4
MINIMUM GREEN	21	8
PED WALK	7	7
PED CLEARANCE	14	10
GREEN EXTENSION	3.0	3.0
MAXIMUM GREEN	63	18
YELLOW CLEARANCE	3.6	3.6
ALL RED CLEARANCE	1.0	1.0
RECALL	PED	NONE

**SIGNAL TIMING**



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					ORIENTATION ANGLES (DEG.) FROM MAST ARM "A"												
	TC-81.20	TC-12.30	ARM DESIGN NO.	POLE HEIGHT (FT.)	STATION		L	L 1	L 2	L 3	X 1	MAST ARM A ANGLE (DEG.)	MAST ARM B	PEDESTRIAN SIGNALS	PEDESTRIAN PUSH BUTTONS	POWER SERVICE	CONTROLLER	LUMINAIRE BRACKET	HANDHOLE	CABLE ENTRANCE (12" FROM TOP)
					OFFSET	(FT.)														
P1	6	11	20'	327+34	32'L	42	31	41				250	10	0						180
P2	11	4	19'	327+96	34'R	36	25	35				270	90	100	100					180
P3	2	8'	327+43	28'R		31	17	30				110								180

**ORIENTATION ANGLE CHART**

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
G	R	R	R	R	G	G	Y	R	R
H	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**

LOOP #	SIZE	# TURNS	MODE	DELAY	UNIT	# PHASE
L1	8' x 30'	2	PRESENCE	8	1	4
L2	6' x 16'	2	PRESENCE	0	2	2
L3	6' x 30'	2	PRESENCE	8	3	4
L4	6' x 16'	2	PRESENCE	0	4	2

**LOOP DETECTOR CHART**

ITEM	TOTAL	UNIT	DESCRIPTION
202	5	LIN FT	CURB REMOVED
608	50	SQ. FT.	CURB RAMP, TYPE 2
625	4	EACH	GROUND ROD
625	6	EACH	PULLBOX, MISC: AS PER PLAN
625	657	LIN FT	CONDUIT, 2", 713.04
625	7	LIN FT	CONDUIT, 3", 713.04
625	121	LIN FT	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 3"
625	414	LIN FT	TRENCH
625	250	LIN FT	TRENCH IN PAVED AREA, TYPE "B"
632	8	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	2	EACH	LOOP DETECTOR UNIT, AS PER PLAN
632	2	EACH	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, AS PER PLAN
632	5.71	CU YD	CONCRETE FOR ANCHOR BASE FOUNDATION
632	1	EACH	SIGNAL SUPPORT, MISC: TYPE TC-1230, DES. 6 WITH MAST ARMS
			TYPE TC-81.20, DES. 11, 42" AND TYPE TC-81.20, DES. 11, 38"
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.20, DES. 11 WITH MAST ARMS
			TYPE TC-81.20, DES. 4, 36" AND TYPE TC-81.20, DES. 2, 31"
632	1	EACH	PEDESTAL, 8", TRANSFORMER BASE
632	2	EACH	CABLE SUPPORT ASSEMBLY
632	280	LIN FT	LOOP DETECTOR PAVEMENT CUTTING
632	886	LIN FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	120	LIN FT	SIGNAL CABLE, 9 CONDUCTOR, NO. 14 AWG
632	1	EACH	PHONE DROP
632	638	LIN FT	LOOP DETECTOR WIRE, TYPE E
632	941	LIN FT	LOOP DETECTOR LEAD-IN CABLE
632	116	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