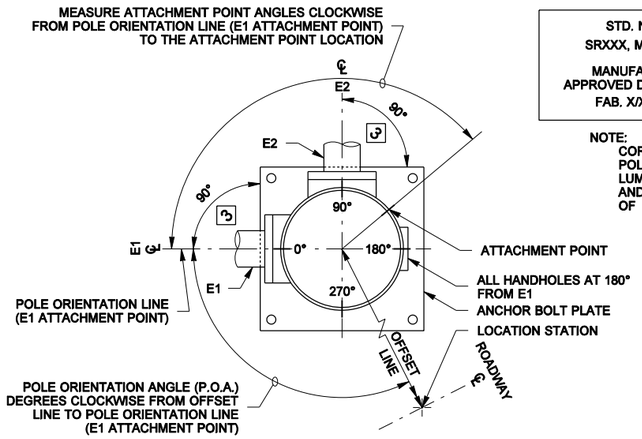
SIGNAL STANDARD IDENTIFICATION TAG DETAIL

EXAMPLE

STD. NO. XX	SIGNAL STANDARD NO.	STD. NO. 02
SRXXX, MP XXX.XX	STATE ROUTE AND MILE POST NO.	SR97, MP 069.09
MANUFACTURER APPROVED DWG. XXXXXX	APPROVED DRAWING NO.	MANUFACTURER APPROVED DWG. AB12345
FAB. X/XX/XXXX	FABRICATION DATE	FAB. 6/14/2002

NOTE:
CORROSION RESISTANT METAL TAG SECURED WITH (2) 0.125" RIVETS AS FOLLOWS: POLE SHAFT - LOCATED WITHIN 6" ABOVE HAND HOLE (TYPE II & III). SIGNAL AND LUMINAIRE MAST ARM (TYPE II & III) - LOCATED WITHIN 6" OF THE LUMINAIRE ARM AND THE POLE SHAFT CONNECTION POINT (TYPE III). TEXT SHALL BE A MINIMUM OF 3/16" HIGH, STAMPED OR EMBOSSED.



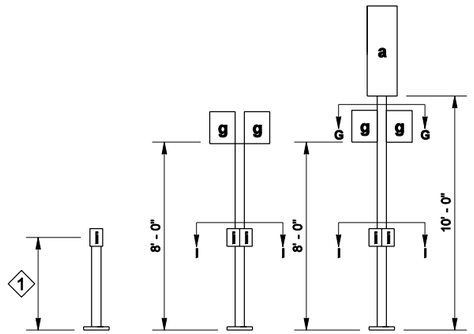
POLE ORIENTATION AND ATTACHMENT POINT DETAIL

NOTE:

TYPE E MOUNTS SHALL BE USED FOR PEDESTRIAN DISPLAYS ON TYPE II OR III SIGNAL STANDARDS, WITH THE FOLLOWING EXCEPTIONS: PEDESTRIAN DISPLAYS MOUNTED ON OCTAGONAL (8 SIDED) SIGNAL STANDARDS AT AN ANGLE OTHER THAN A 45° INCREMENT SHALL USE A TYPE A MOUNT FOR TWO PEDESTRIAN DISPLAYS, OR A TYPE B MOUNT FOR SINGLE PEDESTRIAN DISPLAY.

LEGEND

- a. VEHICLE DISPLAY
- b. MAST ARM MOUNTED SIGN
- c. STREET NAME SIGN
- d. PRE-EMPT DETECTOR
- e. POST MOUNTED SIGN
- f. LUMINAIRE
- g. PEDESTRIAN DISPLAY
- h. CABINET
- I. PPB-M
- j. HANDHOLE



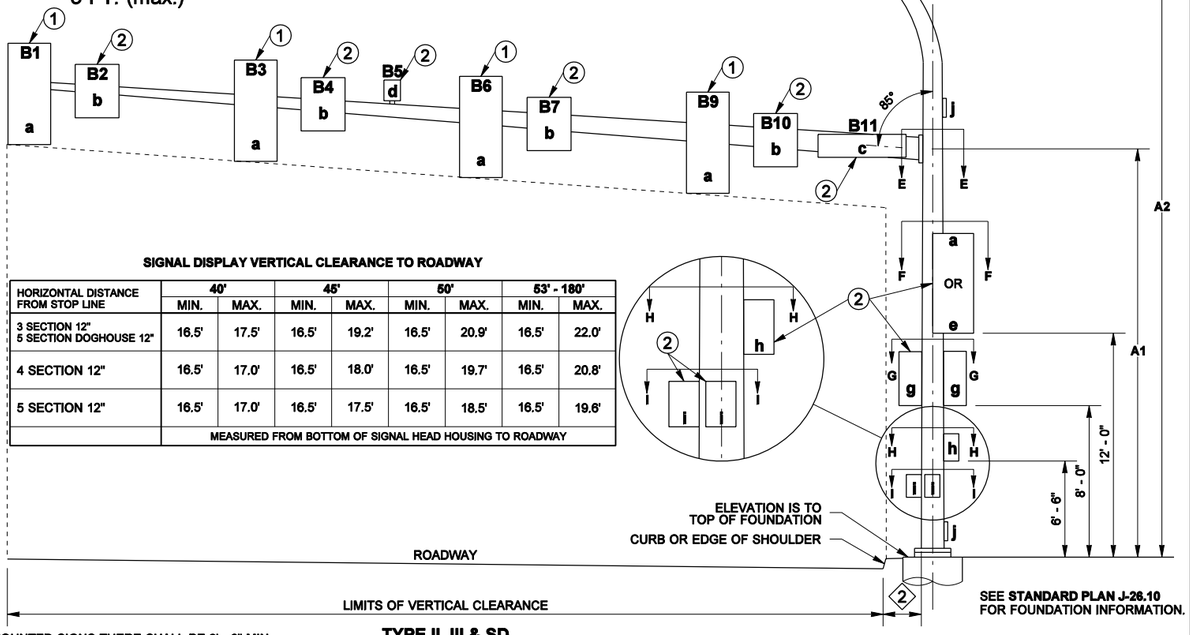
1. HEIGHT OF PEDESTRIAN PUSH BUTTON:
   - 42" IS RECOMMENDED (TYPICAL)
   - 32" MINIMUM
   - 48" MAXIMUM
2. PLACEMENT SHALL BE 2' - 0" MIN. FROM FACE OF CURB OR EDGE OF SHOULDER; 3' - 0" MIN. FROM FACE OF GUARDRAIL; 4' - 0" MIN. FROM CONC. BARRIER TYPE 2 (MEASURED FROM A POINT WHERE THE BARRIER BASE MEETS THE SHOULDER SURFACE (TOE). MEASUREMENT TAKEN FROM TRAFFIC SIDE OF BARRIER; TO FACE OF POLE
3. DMS OR VMS IS NOT ALLOWED ON THIS POLE.

NOTES

1. Mounting Coupling installed at offset distance indicated in chart.
2. Field installed.
   Sign **b** - 7.5 SQ. FT. sign area (max.) and sign height 3 FT. (max.)
   Sign **c** - 36 SQ. FT. sign area (max.) installed 1'-0" min. and 2'-6" max. to sign edge from centerline of the post and sign height 3 FT. (max.)
   Sign **e** - 15 SQ. FT. sign area (max.) and sign width 3 FT. (max.)

ALTERNATE NOTE 1 FOR TYPE N MOUNT ONLY.

1. Drill 1" diam. hole in mast arm and install plastic split bushing for cable entrance.



SIGNAL DISPLAY VERTICAL CLEARANCE TO ROADWAY

HORIZONTAL DISTANCE FROM STOP LINE	40'		45'		50'		53' - 180'	
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
3 SECTION 12" 5 SECTION DOGHOUSE 12"	16.5'	17.5'	16.5'	19.2'	16.5'	20.9'	16.5'	22.0'
4 SECTION 12"	16.5'	17.0'	16.5'	18.0'	16.5'	19.7'	16.5'	20.8'
5 SECTION 12"	16.5'	17.0'	16.5'	17.5'	16.5'	18.5'	16.5'	19.6'
	MEASURED FROM BOTTOM OF SIGNAL HEAD HOUSING TO ROADWAY							

TYPE II, III & SD SIGNAL STANDARD

4. FOR POST MOUNTED SIGNS THERE SHALL BE 2' - 0" MIN. FROM THE FACE OF THE CURB OR THE EDGE OF THE SHOULDER TO THE EDGE OF THE SIGN

SEE **STANDARD PLAN J-26.10** FOR FOUNDATION INFORMATION.

APPLY GROUT EVEN WITH THE BOTTOM OF THE ANCHOR PLATE AFTER PLUMBING THE STANDARD, PROVIDE 3/8" DIAMETER DRAIN TUBE IN THE GROUT PAD

SIGNAL STANDARD DETAIL CHART

STD. No.	SR No.	SR MILE POST	FIELD LOCATION: STATION	OFFSET	LT.	RT.	ELEV.★	P.O.A.	POLE TYPE	MOUNTING: A1	A2	SIGNAL MAST ARM DATA — OFFSET DISTANCES(FT) (Z) (POLE ` TO ATTACHMENT POINT): B1	B2	B3	B4	B5	B6	B11	WINDLOAD AREAS (FT)² (X)(Y): B1	B2	B3	B4	B6	B11	CALCULATED POLE XYZ(FT)³	LUMINAIRE ARM (FT) C	POLE ATTACHMENT POINT ANGLES (deg.): D	E1	E2	F	G1	G2	H	I1	I2	FOUNDATION DESIGN XYZ (FT)³	FOUNDATION DEPTH (FT): ALTERNATE 1 3' RD.	3' SQ.	ALTERNATE 2 4' RD.	3' RD.	4' RD.	SOIL PSF	REMARKS

★ ELEVATION IS TO TOP OF FOUNDATION. FIELD VERIFY ELEVATION PRIOR TO ORDERING SIGNAL STANDARDS.

FILE NAME	S:\Design R P& S\4-Standards\2-Plan Sheet Library\06-Illum & Signal(IS)\(is-13) signal standard foundation detail\currentIS-13.dgn						PLOT2
TIME	2:14:16 PM			REGION NO. 10	STATE WASH	FED.AID PROJ.NO.	
DATE	7/27/2010			JOB NUMBER			
PLOTTED BY	berensb			CONTRACT NO.	LOCATION NO.		SHEET OF SHEETS
DESIGNED BY							
ENTERED BY							
CHECKED BY							
PROJ. ENGR.							
REGIONAL ADM.	REVISION	DATE	BY				

P.E. STAMP BOX — DATE

P.E. STAMP BOX — DATE

Washington State Department of Transportation

SIGNAL STANDARD DETAILS