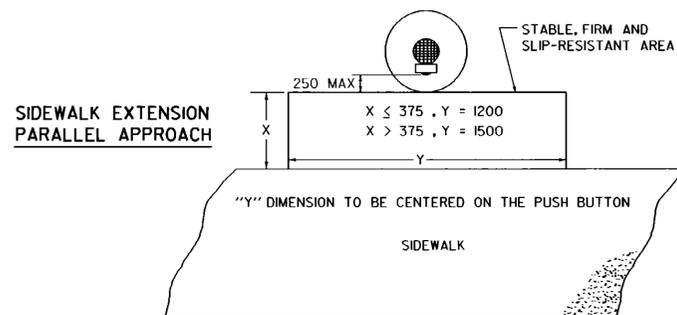


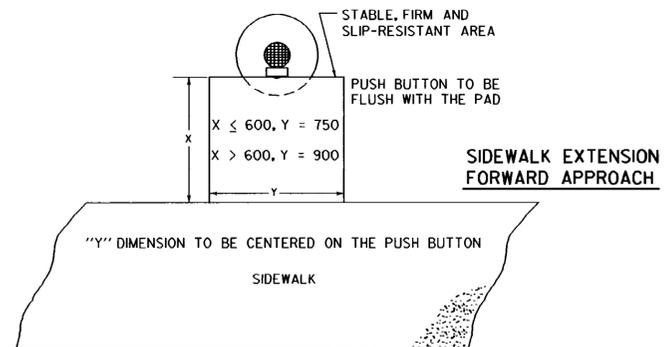
PEDESTRIAN PUSH BUTTON CONTROLS SHALL BE RAISED FROM OR FLUSH WITH THEIR HOUSINGS AND SHALL BE A MINIMUM OF 51mm IN THE SMALLEST DIMENSION, THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 22.2 N.

IF THE PEDESTRIAN PUSH BUTTON IS NOT LOCATED WITHIN 250 mm OF THE SIDEWALK, AN EXTENSION TO THE SIDEWALK MUST BE PROVIDED AS SHOWN BELOW. BUTTONS LOCATED ON THE SIDE OF CONTROLLER CABINETS MAY REQUIRE EXTENSION OF THE CONCRETE PAD, SHOWN ON STD E-171BM, TO MEET THIS REQUIREMENT.

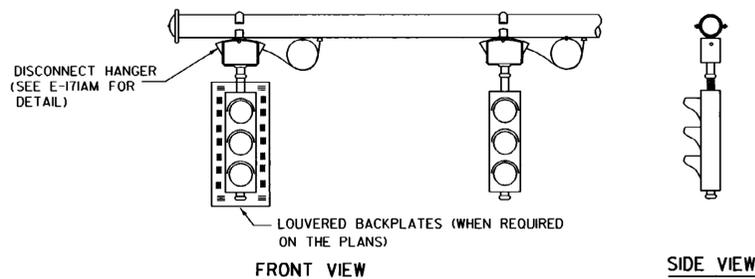
WHEN SIDEWALK EXTENSIONS ARE PROVIDED, A SUBBASE OF FINE GRADED CRUSHED GRAVEL SHALL BE PLACED AND ASPHALT IMPREGNATED FELT SHALL BE USED BETWEEN THE EXTENSION AND THE SIDEWALK AS SHOWN ON STD E-171BM.



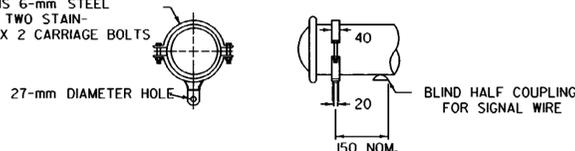
SIDEWALK EXTENSION PARALLEL APPROACH



PEDESTRIAN PUSH BUTTON ACCESSIBILITY DETAIL



CLAMP AND CLEVIS 6-mm STEEL GALVANIZED, WITH TWO STAINLESS STEEL M16 X 2 CARRIAGE BOLTS AND HEX NUTS.

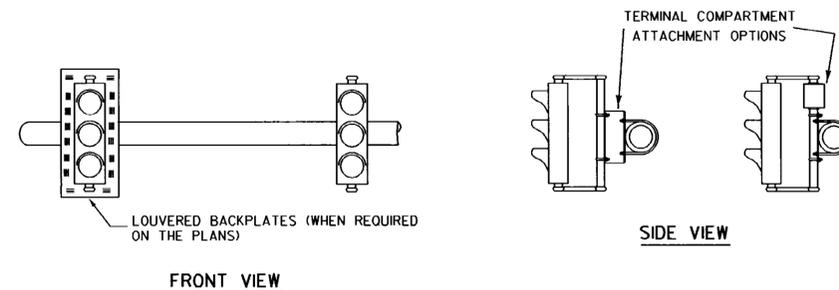


MAST ARM MOUNTING DETAILS FOR FREE SWINGING TRAFFIC SIGNALS

CANTILEVER MOUNTED TRAFFIC SIGNALS (AND LUMINAIRES)

MINIMUM SIGNAL CLEARANCE SHALL BE:
5000 mm FOR FREE SWINGING HEADS, OR
5200 mm FOR FIXED MOUNTED HEADS

SEE THE CANTILEVER / FOOTING DETAIL SHEET(S) FOR ADDITIONAL INFORMATION.



SIGNAL MOUNTING PLATE SCHEDULE			
ARM DIAMETER	A	B	C
80 - 130	220	136	42
130 - 200	270	190	40
200 - 280	350	270	40

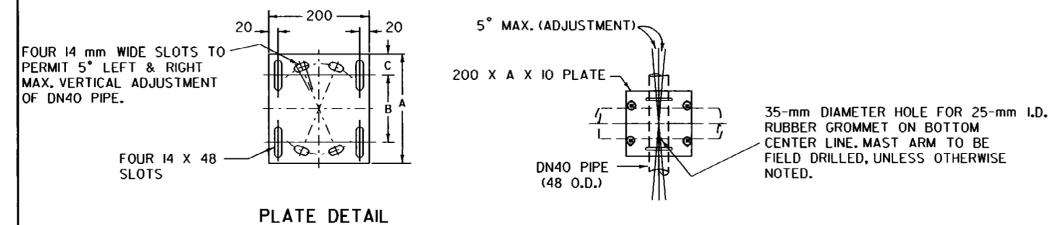
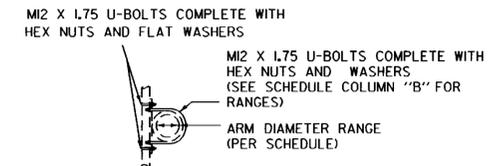


PLATE DETAIL

1. ALTERNATE METHODS FOR RIGID MOUNTING OF SIGNALS TO MAST ARMS MAY BE USED, SHOP DRAWINGS FOR THE ALTERNATE METHOD HARDWARE SHALL BE SUBMITTED TO THE TRAFFIC DESIGN SECTION VIA THE RESIDENT ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
2. ALL RIGIDLY MOUNTED TRAFFIC AND PEDESTRIAN SIGNALS SHALL BE PROVIDED WITH REINFORCEMENT PLATES AT THE ATTACHMENT POINTS.
3. ALL NUTS, BOLTS AND WASHERS SHALL BE STAINLESS STEEL.
4. ALL OTHER MOUNTING BRACKET MATERIALS SHALL BE GALVANIZED STEEL.

MAST ARM MOUNTING DETAILS FOR FIXED MOUNT TRAFFIC SIGNALS (PREFERRED METHOD)

OTHER STDS. E-170M E-171BM
REQUIRED: E-171AM

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS (mm) EXCEPT WHERE NOTED.

REVISIONS AND CORRECTIONS
JUNE 13, 1997 - ORIGINAL APPROVAL DATE

APPROVED

[Signature]
DIRECTOR OF ENGINEERING

[Signature]
DIRECTOR OF CONSTRUCTION AND MAINTENANCE

**TRAFFIC CONTROL SIGNALS
CANTILEVER MOUNTING DETAILS
PED. PUSH BUTTON ACCESSIBILITY DETAIL**



Metric STANDARD E-171CM