

Diagram illustrating a cable assembly configuration. A central horizontal line is labeled "Travel of Direction" with an arrow pointing to the right. Above this line, a "Pull Box" is indicated. A "Lead-in Cable" is shown entering from the left. The assembly includes five square components, each with a central square area. Wires connect these components to the central line, with labels indicating "Soldered & taped Waterproof" connections.

Lead-in Cable

Soldered & taped
Waterproof

Pull-box

Additional Loops
as called for in
the Plans

Lead-in Cable

Soldered & taped
Waterproof

Pull-box

Min 2'0" Cover

Var.

Fin. Grade

Exist. Pavement

12"

Trench Backfill Material

12"

Rigid Steel or PVC Conduit for multiple conduit layouts, Provide 3" clear spacing between conduits

4"

Bed Course

12" for 1, 2 & 3 conduit layouts

If grassed area, Provide 6" thick top soil & sod

If paved area, Reconstruct Pav't or Sidewalk equal to, or better than existing

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- Technical drawing of Section B-B (Angle Frame). The drawing shows a rectangular frame with dimensions: overall width 24", overall height 14", inner width 16", and inner height 10 3/4". The frame is composed of 2" x 2" x 3/16" angle iron. There are 1/16" diameter holes in the top and bottom rails. The frame is labeled "SECTION 'B-B' (ANGLE FRAME)".

Technical drawing illustrating the installation of a detector loop in a pavement structure, showing both a top view and a side view.

Top View Details:

- Direction of Travel:** Indicated by an arrow pointing upwards.
- Lane Line:** A dashed line labeled "Lane line" is shown.
- 12" Typical:** Dimension for the width of the loop area.
- 45°:** Corner angle of the loop.
- Additional loop as called for in Plans:** Note for the octagonal loop area.
- 6":** Dimension for the width of the pull box area.
- 12" Min.:** Minimum dimension for the pull box area.
- 4':** Dimension for the width of the loop area.
- 8' (or as called for in Plans):** Dimension for the length of the loop area.
- Edge of Pav't or Curb line:** Indicated by a dashed line.
- Embedded lead-in wire shall be twisted 2 turns per ft.:** Note for the wire installation.
- Install 1 1/4" Steel Conduit 6" beyond edge of pav't Gutter or Curb line:** Note for the conduit installation.
- 2 Pull-box (Type indicated in Plans):** Note for the pull box installation.
- Install Detector loop 3 turns 1-C #14 RHW Style RR Cable in Saw cut groove (Typ.):** Note for the detector loop installation.

Side View Details:

- 3/8" Min.:** Minimum dimension for the top of the loop.
- Top Pav't:** Label for the top of the pavement.
- 2' Min.:** Minimum dimension for the height of the loop.
- Fill w/epoxy:** Note for the material used to fill the loop.
- Detector Loop:** Label for the loop area.

SECTION A-A (TYPICAL)

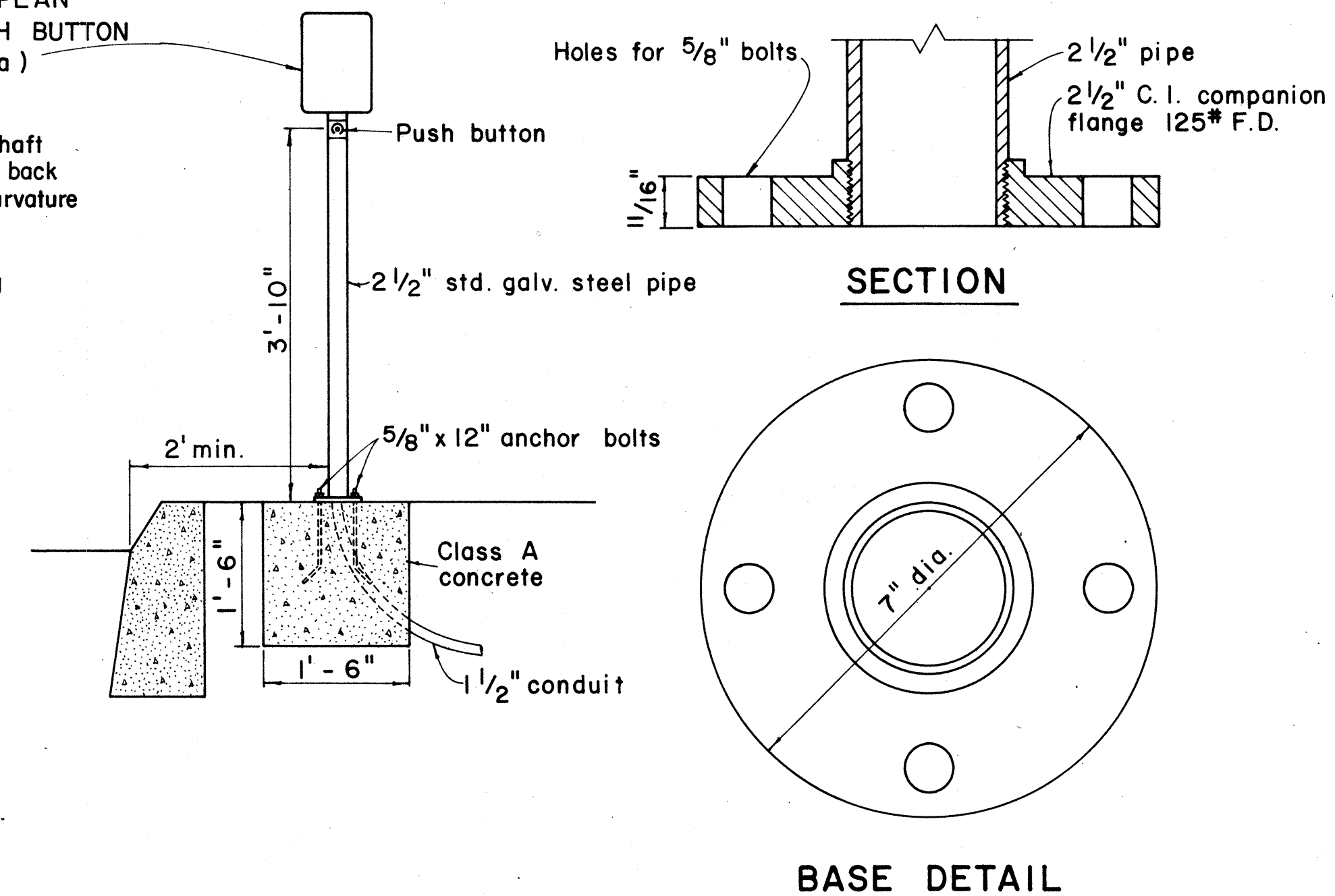
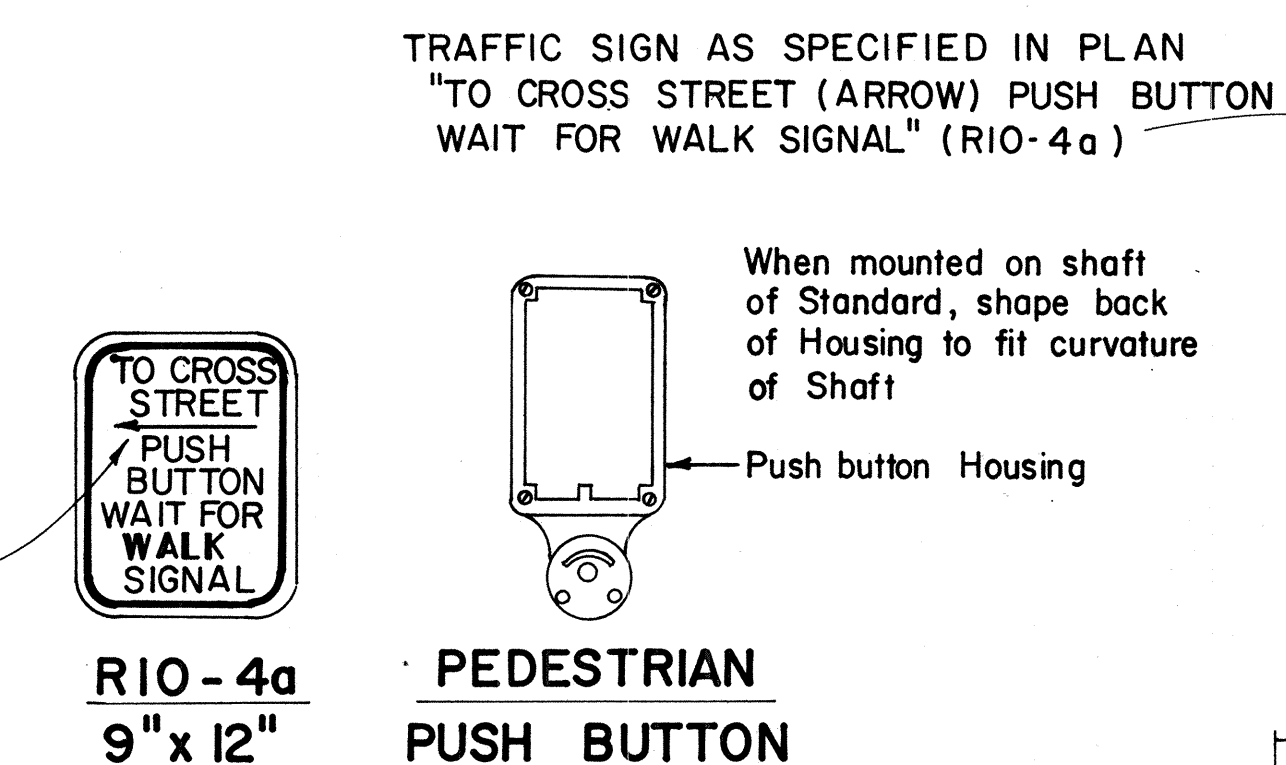
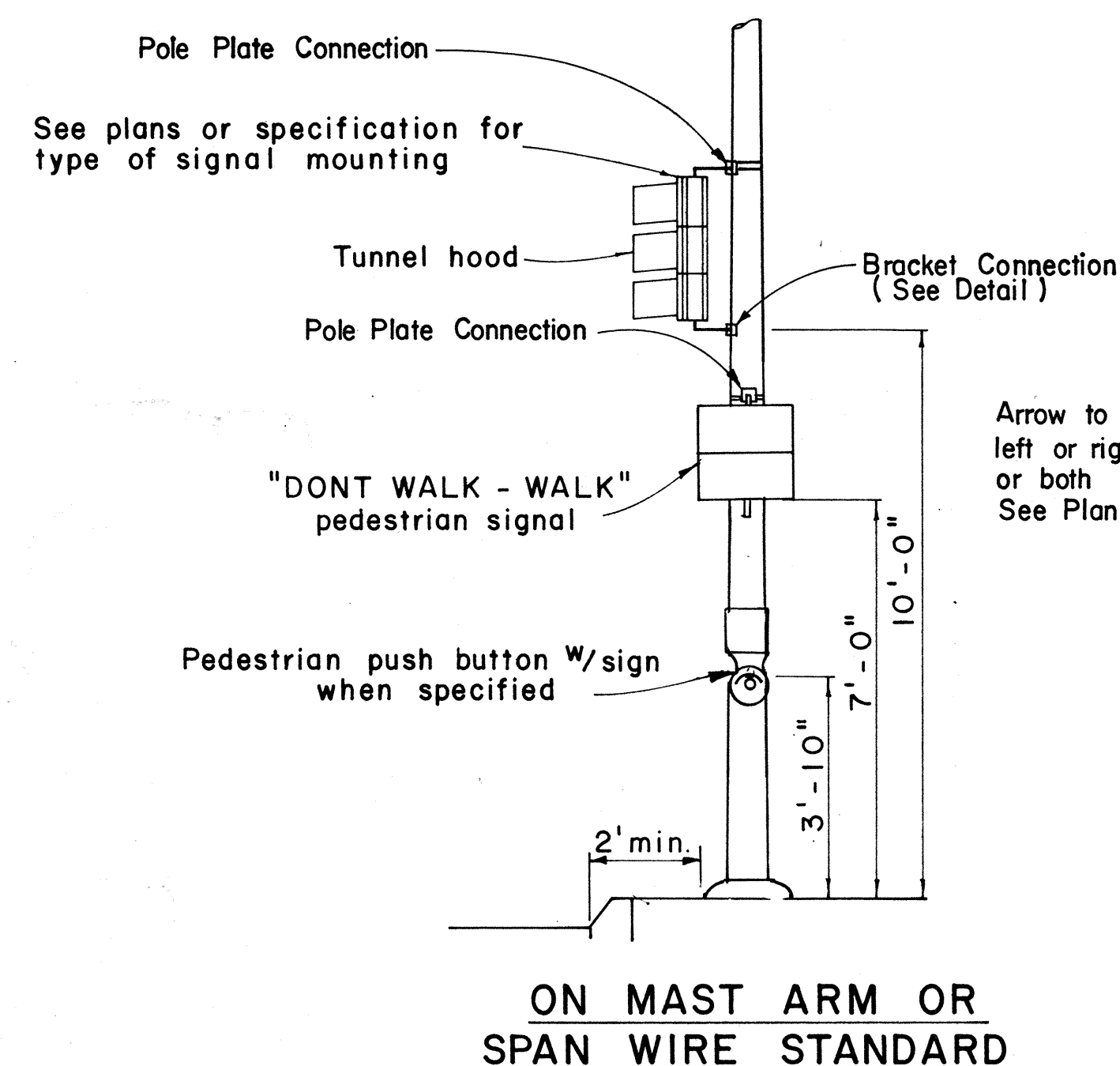
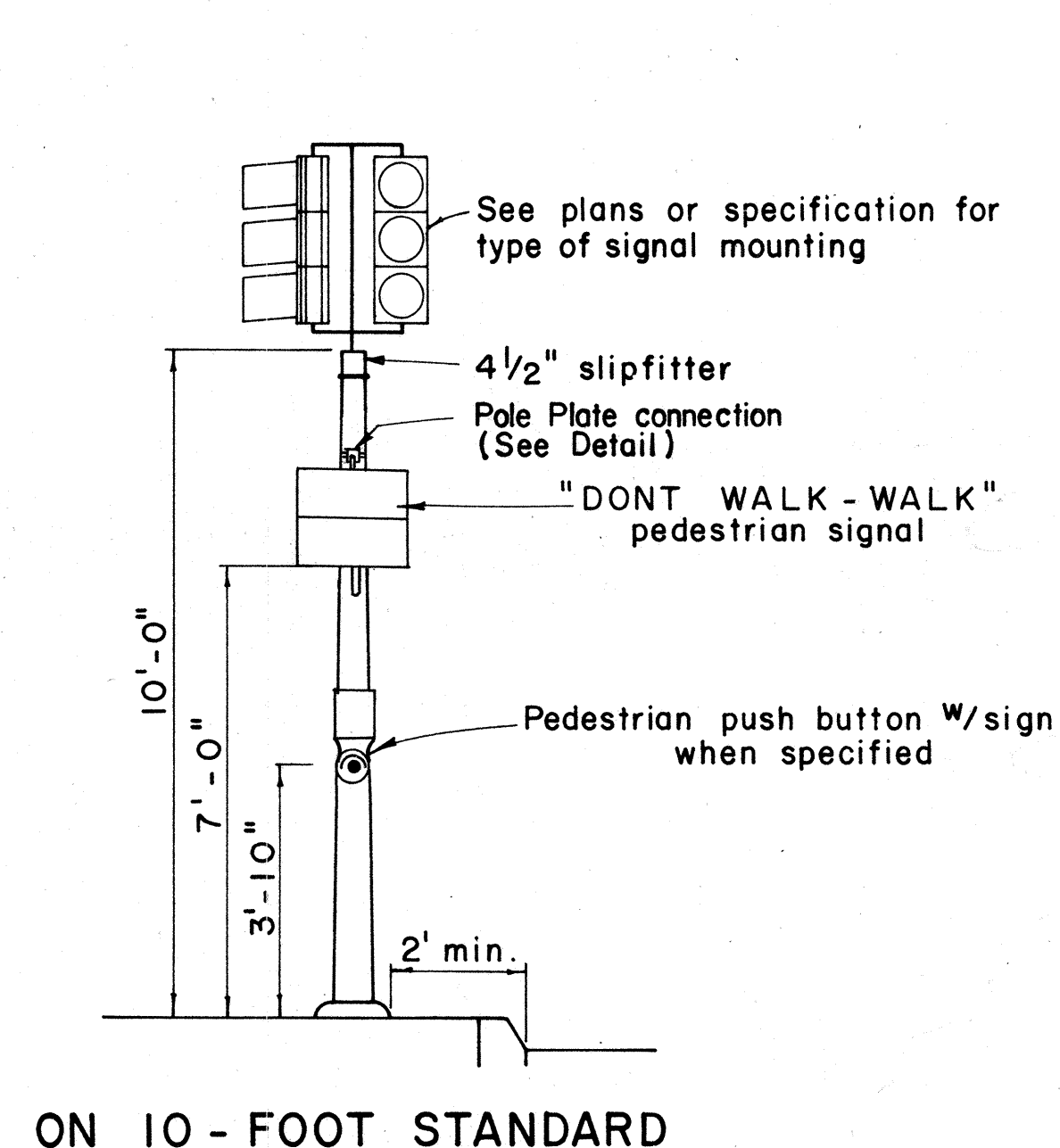
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGNAL SYSTEM
MISCELLANEOUS DETAILS

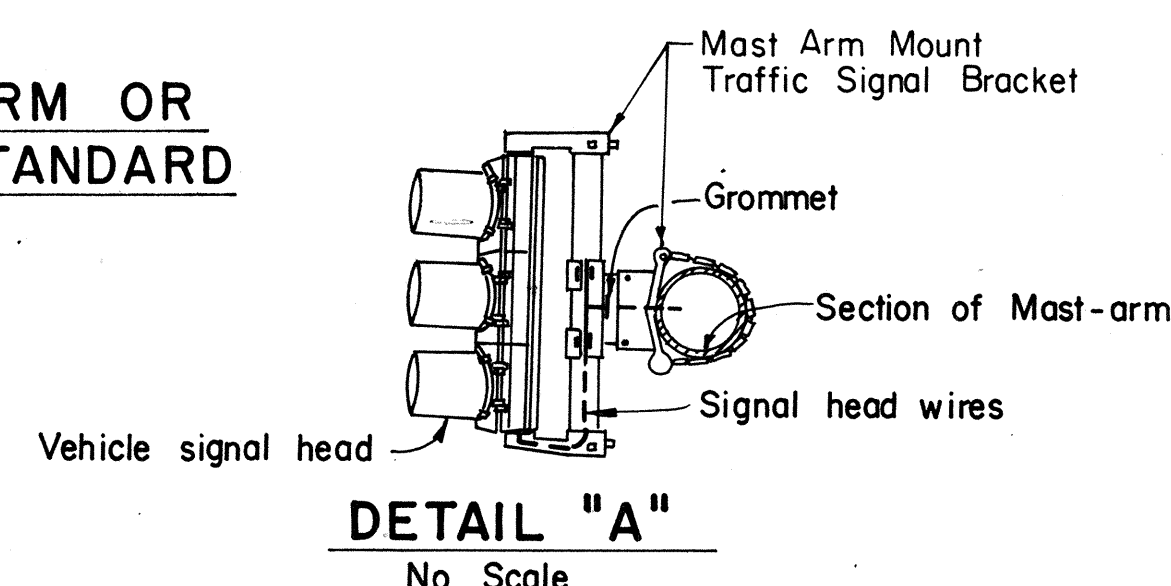
FED. AID PROJ. NO. HHS-099-1(5)

SCALE: AS NOTED DATE: _____

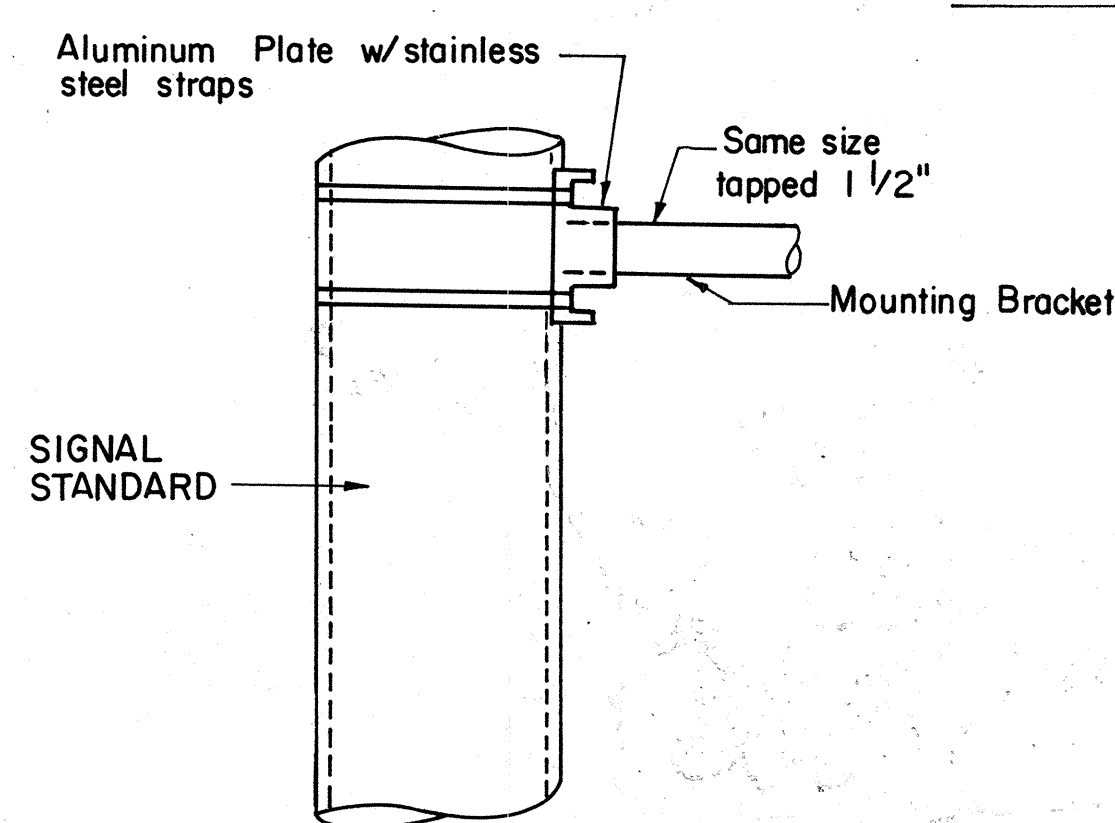
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	WHS-079-1(5)	1975	6	11



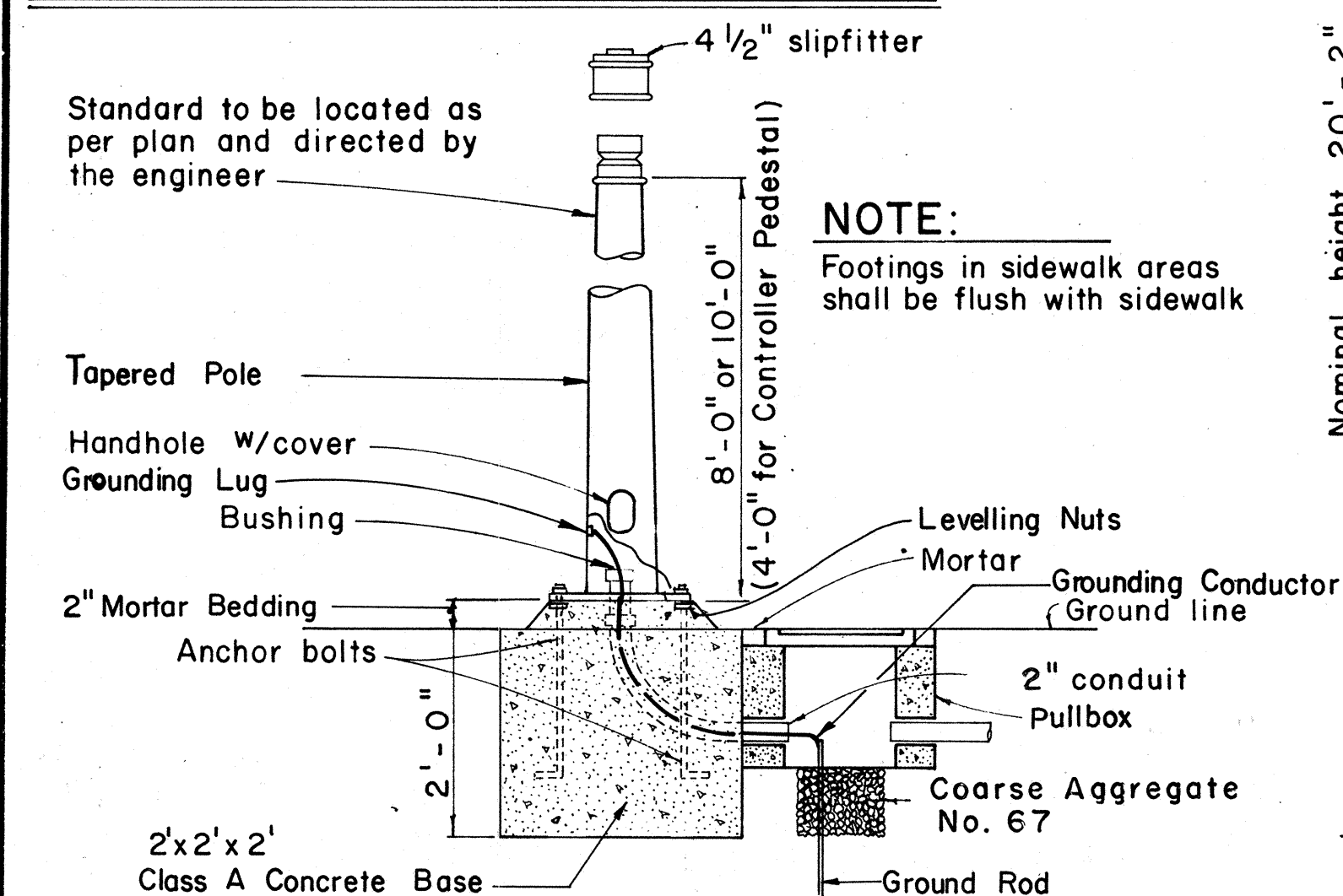
TYPICAL EQUIPMENT MOUNTINGS



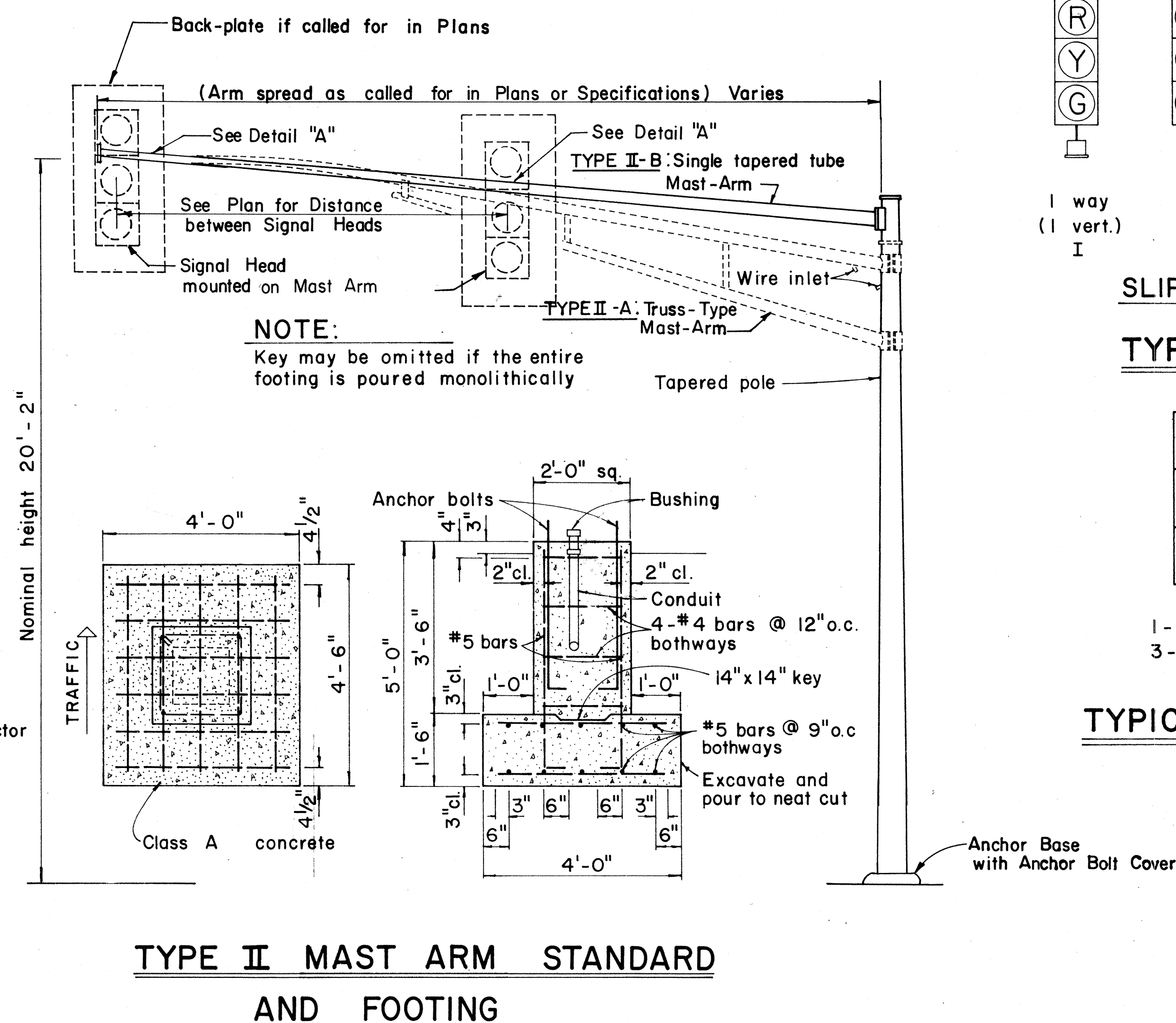
PEDESTRIAN PUSH BUTTON POST AND FOOTING



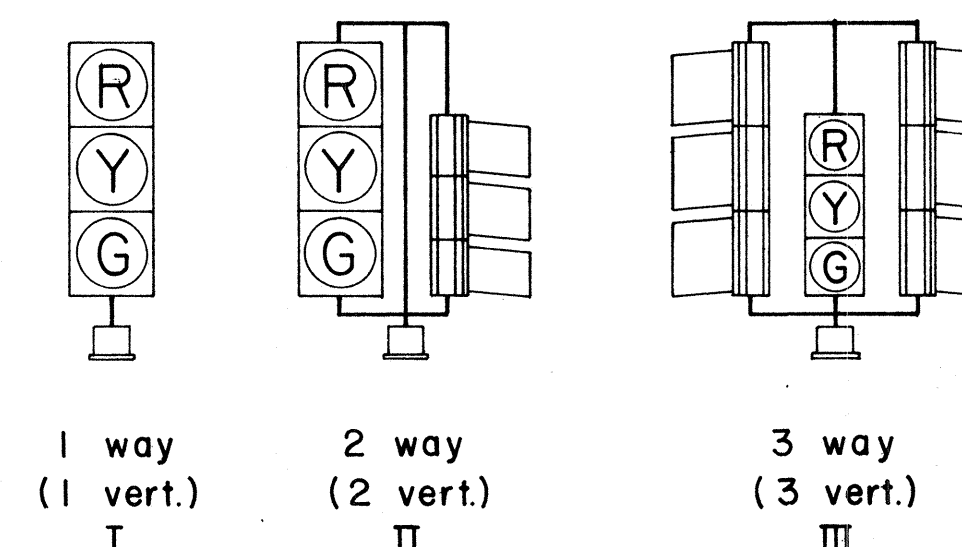
DETAIL OF BRACKET AND POLE PLATE CONNECTIONS



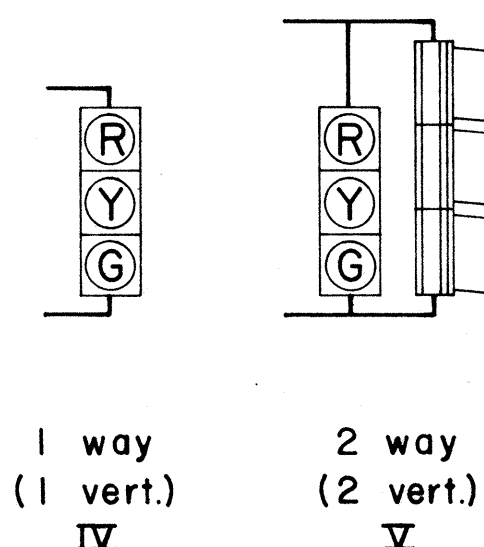
FOOTING FOR TYPE I SIGNAL STANDARD
OR CONTROLLER PEDESTAL



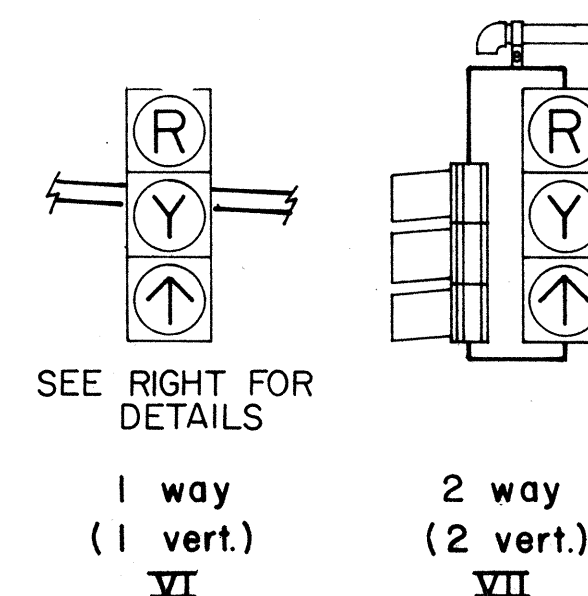
SLIPFITTER MOUNTINGS



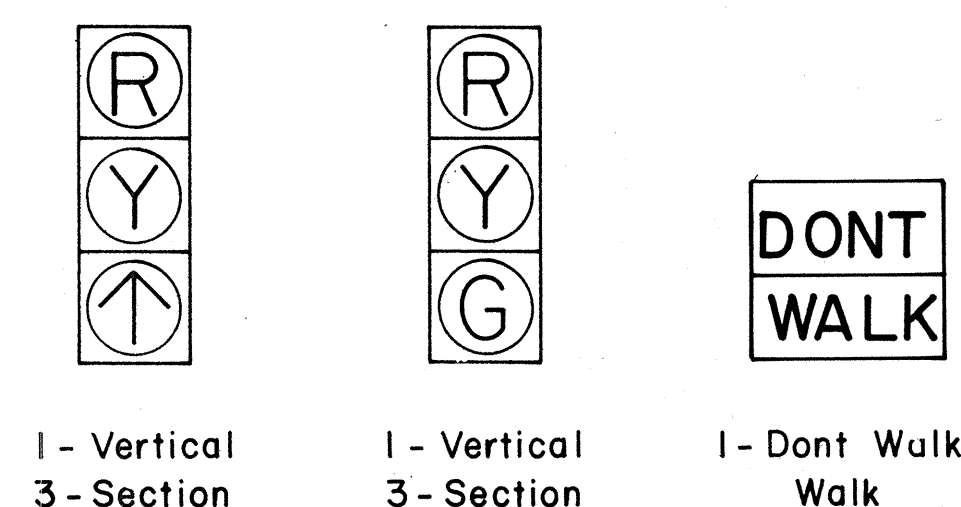
BRACKET MOUNTINGS



MASTARM MOUNTINGS



TYPICAL VEHICULAR AND PEDESTRIAN SIGNAL MOUNTINGS



TYPICAL SIGNAL ARRANGEMENTS

NOTE:
With the approval of the Engineer, the Contractor may use the Traffic Signal Standard Details of the Department of Transportation Services City & County of Honolulu.

**STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION**

TRAFFIC SIGNAL SYSTEM

TYPICAL DETAILS

Not to Scale

SHEET No. 2 OF 2 SHEETS

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