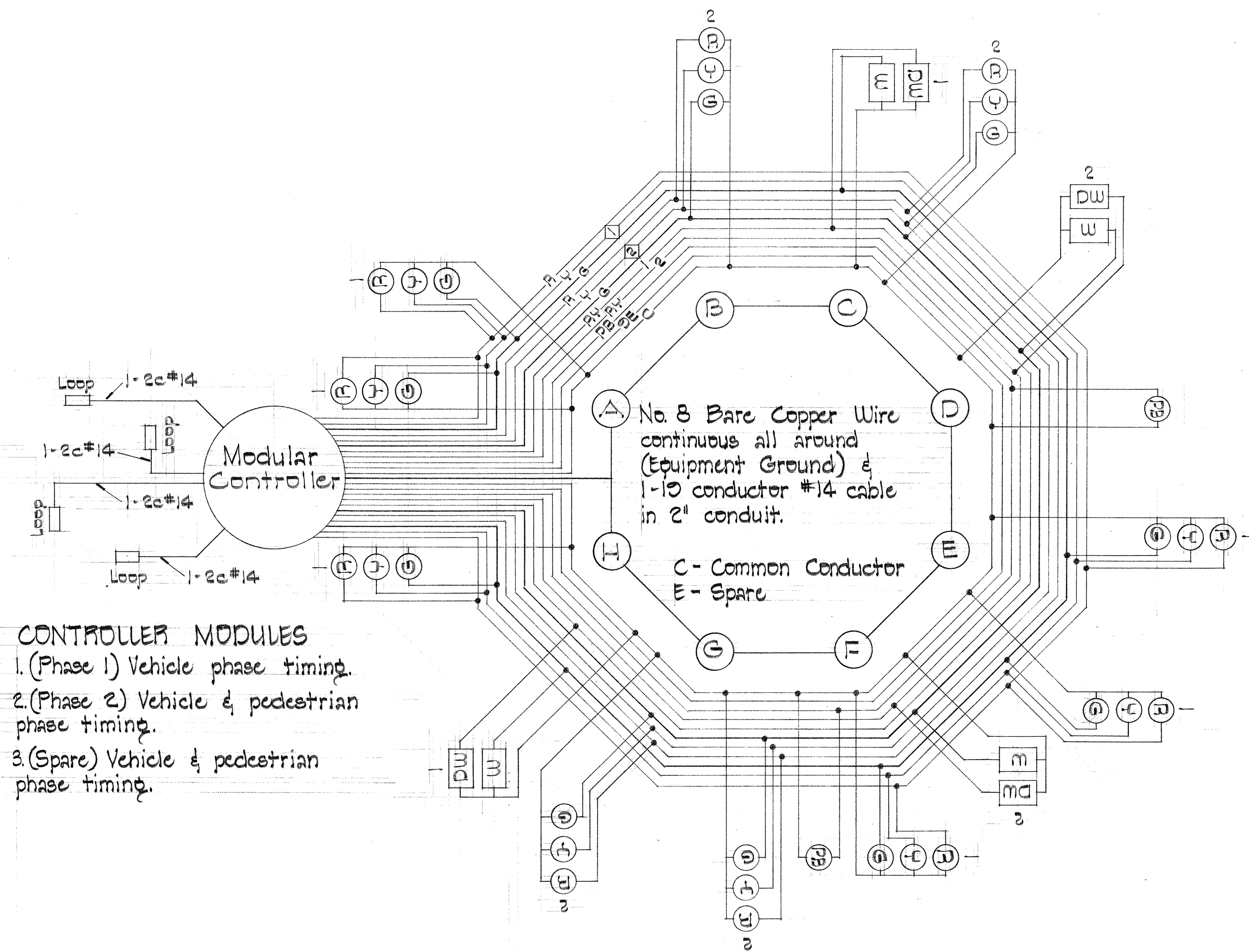


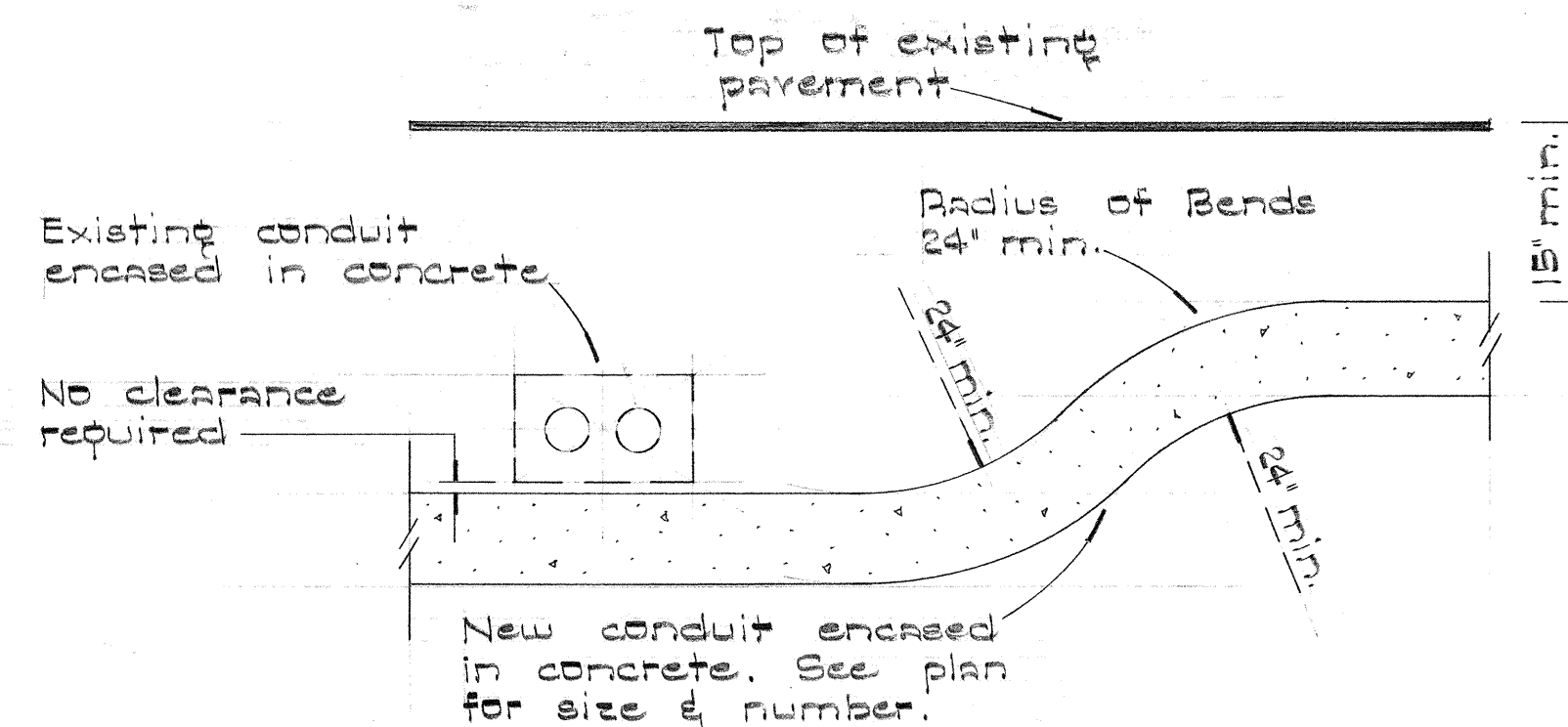


CONTROLLER MODULES
 1. (Phase 1) Vehicle phase timing.
 2. (Phase 2) Vehicle & pedestrian phase timing.
 3. (Spare) Vehicle & pedestrian phase timing.

WIRING DIAGRAM

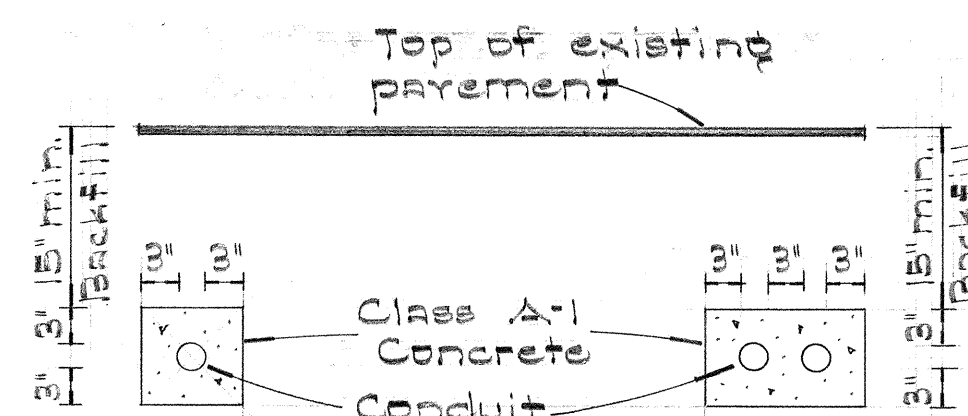
- LEGEND**
- ⊗ New Mast Arm Standard & 12' Lens Assembly. Length of Mast Arm as indicated.
 - New Traffic Signal Standard & 12' Lens Assembly.
 - New Traffic Signal Standard & 'DW-W' Pedestrian Signal.
 - Loop New Vehicle Detector. Type as indicated.
 - ⊠ New Type 'A' Pullbox.
 - New Type 'B' Pullbox.
 - C New Controller. Type M Cabinet
 - 1-1/4" Steel New Rigid Steel Conduit.
 - 1-2' New Rigid Steel or Polyvinyl Chloride Conduit. No. & size as indicated. Conduits under roadways shall be encased in concrete.
 - Existing Power or Electric pole.
 - Existing Street Light on Electric pole.
 - W— Existing Water line.
 - S— Existing Sewer line.
 - NG— Existing Navy Gas line.
 - G— Existing Honolulu Gas Co. line.
 - HE— Existing Hawaiian Electric Co. Duct line.

- GENERAL NOTES**
- ① Location of existing underground structures such as culverts, pipelines, conduits, cables, etc., as shown on the plans are approximate only; other existing utilities may not be shown. The Contractor shall check and verify the location of same.
 - ② The exact location of traffic signal standards, controller bases, pullboxes, and conduits shall be determined in the field by the Engineer.
 - ③ Pavement markings by others.
 - ④ Existing signs not incorporated in the completed system shall be removed and stockpiled as directed by the Engineer.



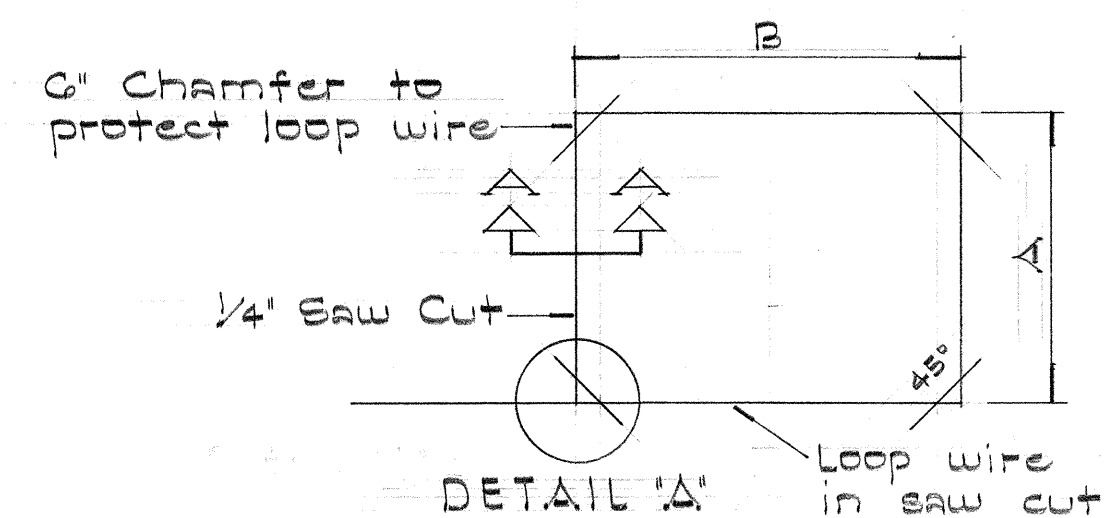
TYPICAL DETAIL OF EXISTING CONDUIT BY-PASS

No Scale

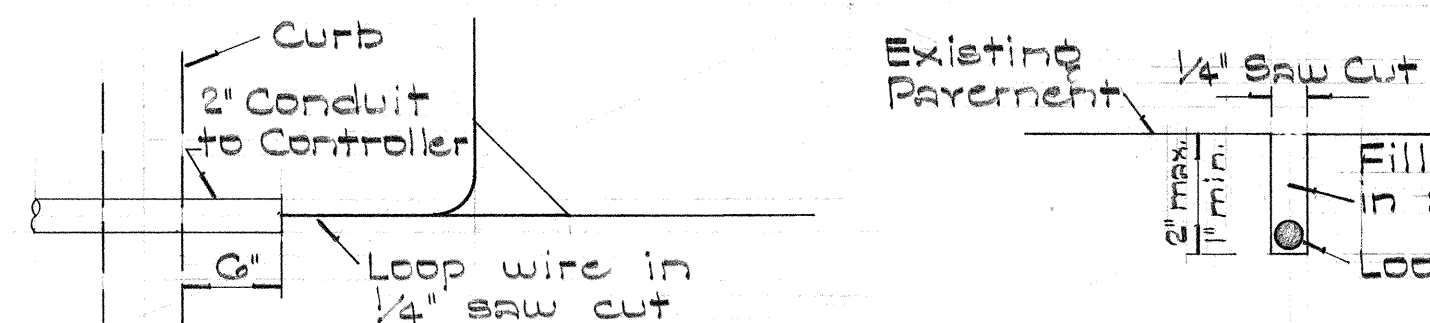


TYPICAL DETAIL OF CONDUITS ENCASED IN CONCRETE

No Scale



PLAN



TYPICAL INSTALLATION OF LOOP DETECTOR

No Scale

APPROXIMATE DIMENSIONS	No. Lanes	A	B
1	6'	8'	
2	6'	20'	
3	6'	32'	

NOTE:
 Exact dimensions of A & B shall be as recommended by the manufacturer.

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TRAFFIC SIGNAL SYSTEM

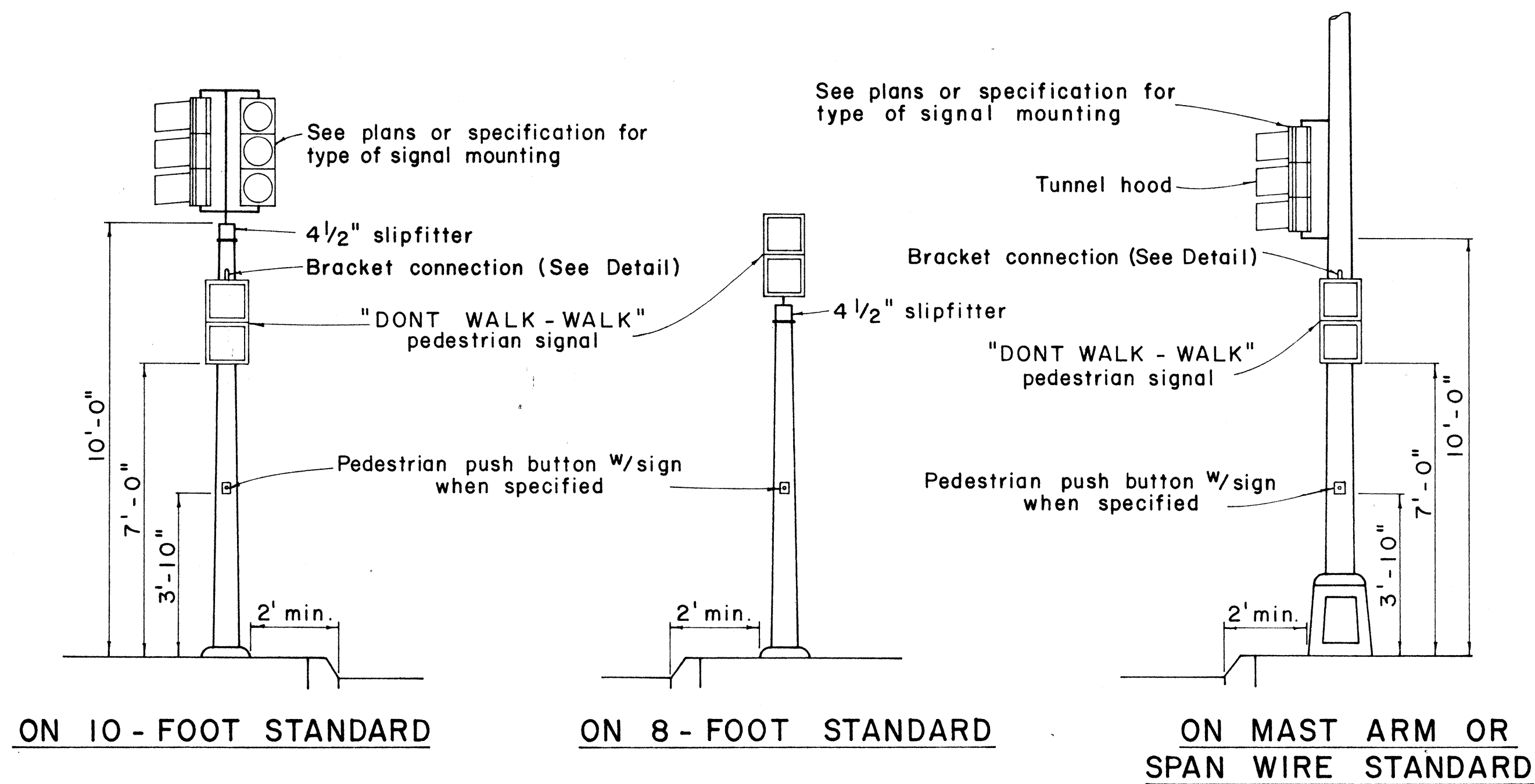
MISCELLANEOUS DETAILS

Project No. F-090-1(12), Unit 2

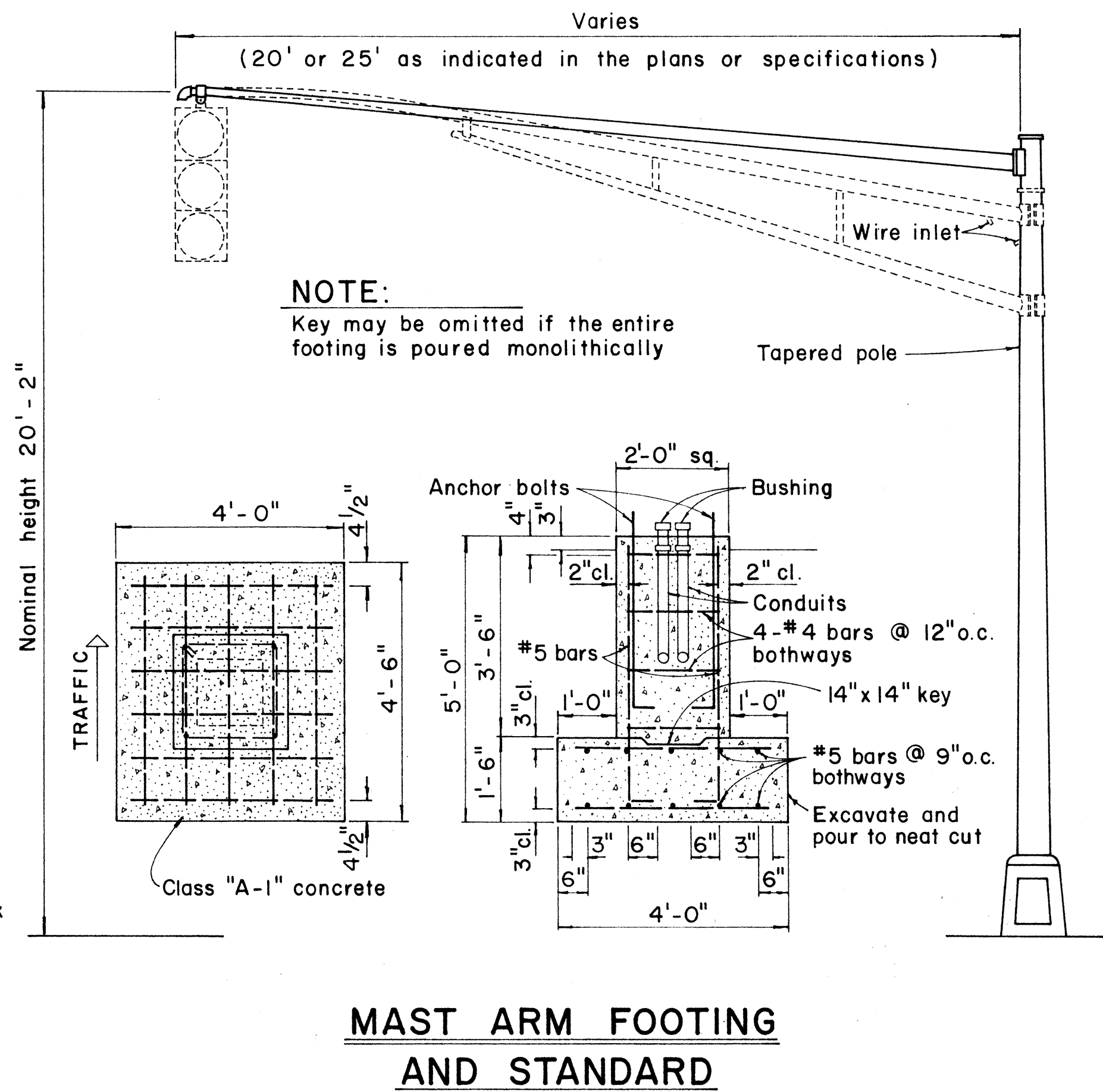
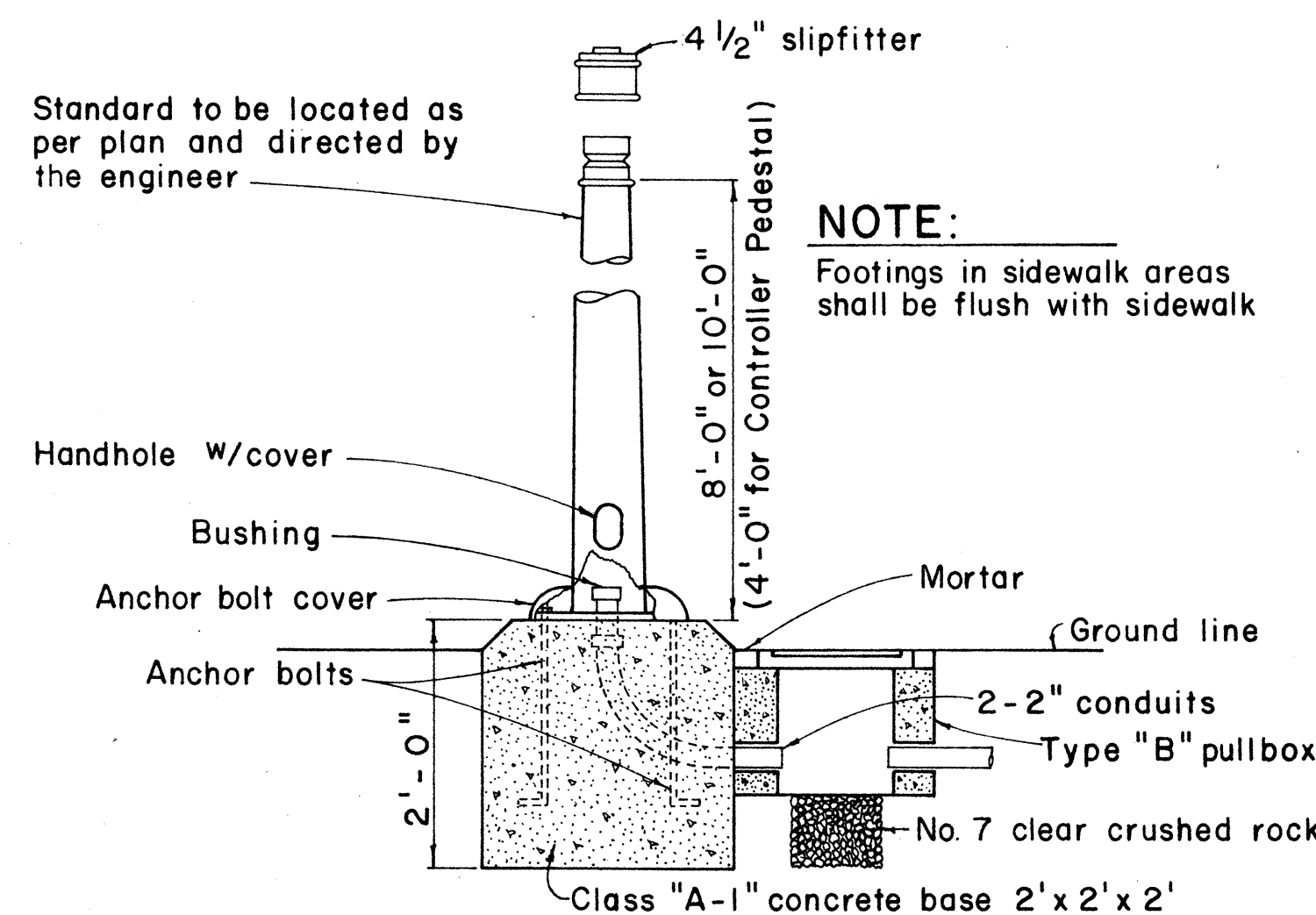
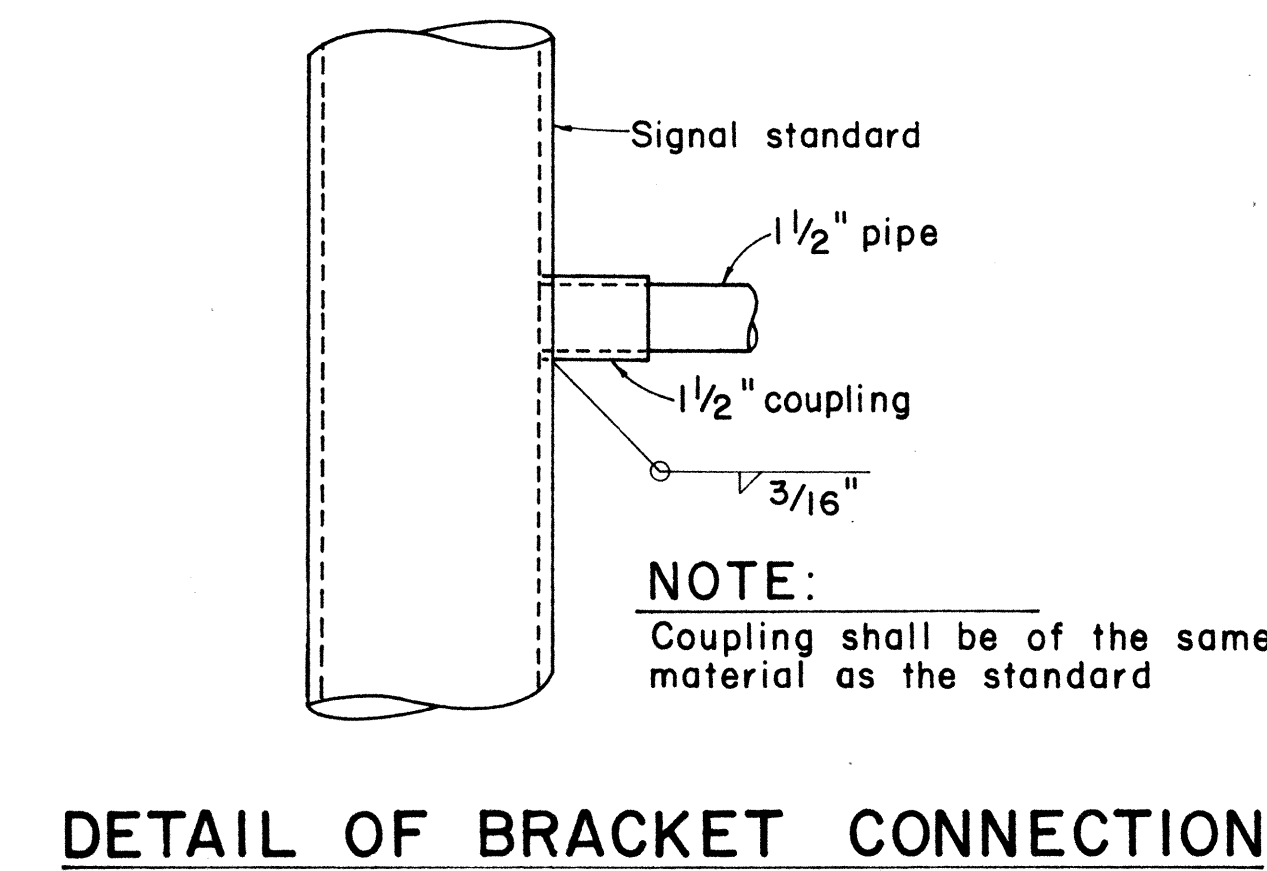
No Scale February 1968

SHEET No. 3 OF 5 SHEETS

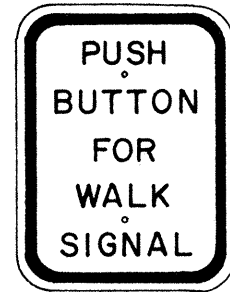
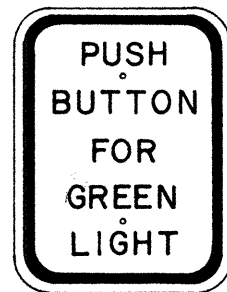
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F.000-1(10) Unit 2	1968	4	5



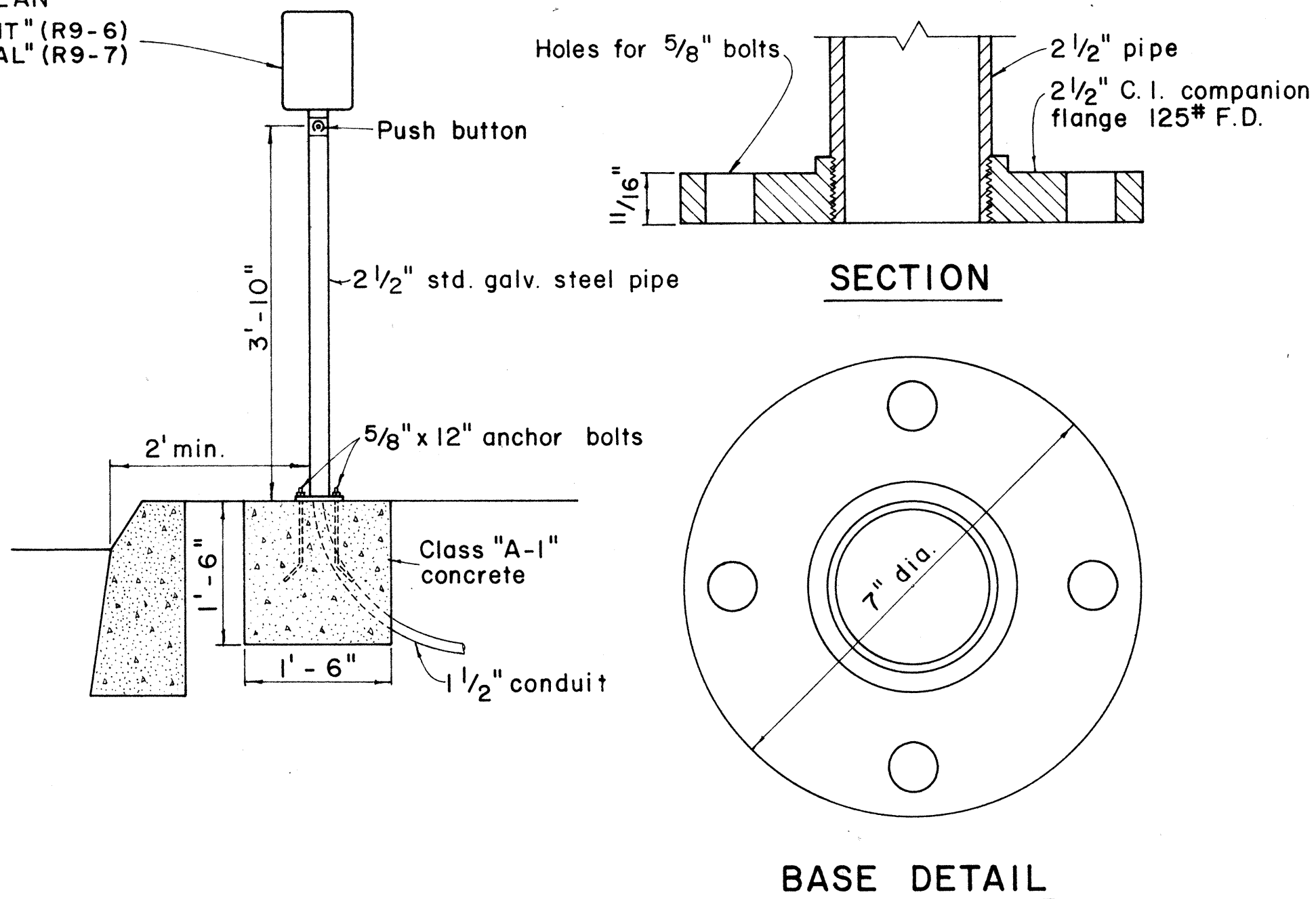
TYPICAL EQUIPMENT MOUNTINGS



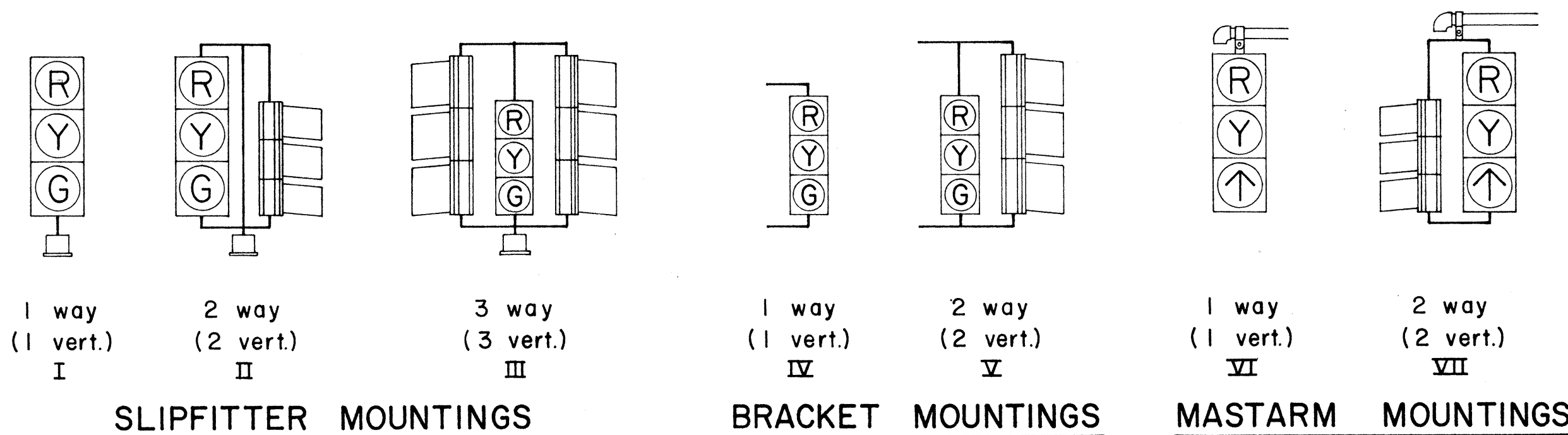
TRAFFIC SIGN AS SPECIFIED IN PLAN
 1. "PUSH BUTTON FOR GREEN LIGHT" (R9-6)
 2. "PUSH BUTTON FOR WALK SIGNAL" (R9-7)



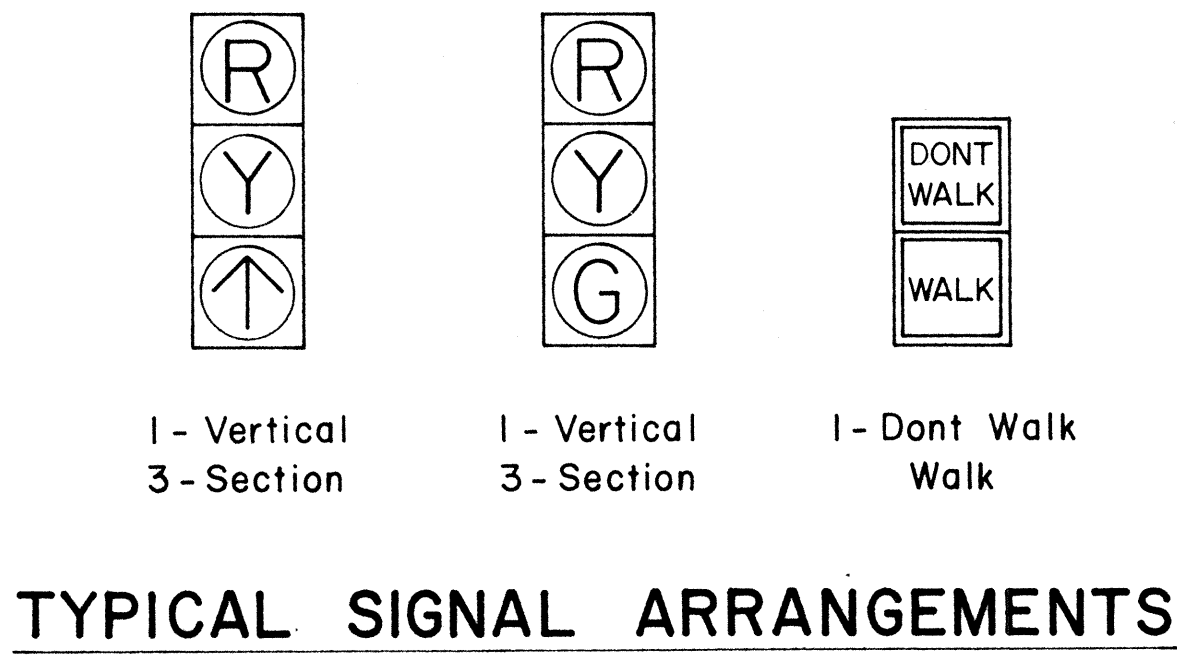
NOTE:
 1. Conduits shall protrude 2" max. above finished surface of foundation.
 2. Conduits shall slope away from pole foundation.
 3. Post and base shall be painted with one coat of approved weather proof dark green enamel.



PEDESTRIAN PUSH BUTTON POST AND FOOTING



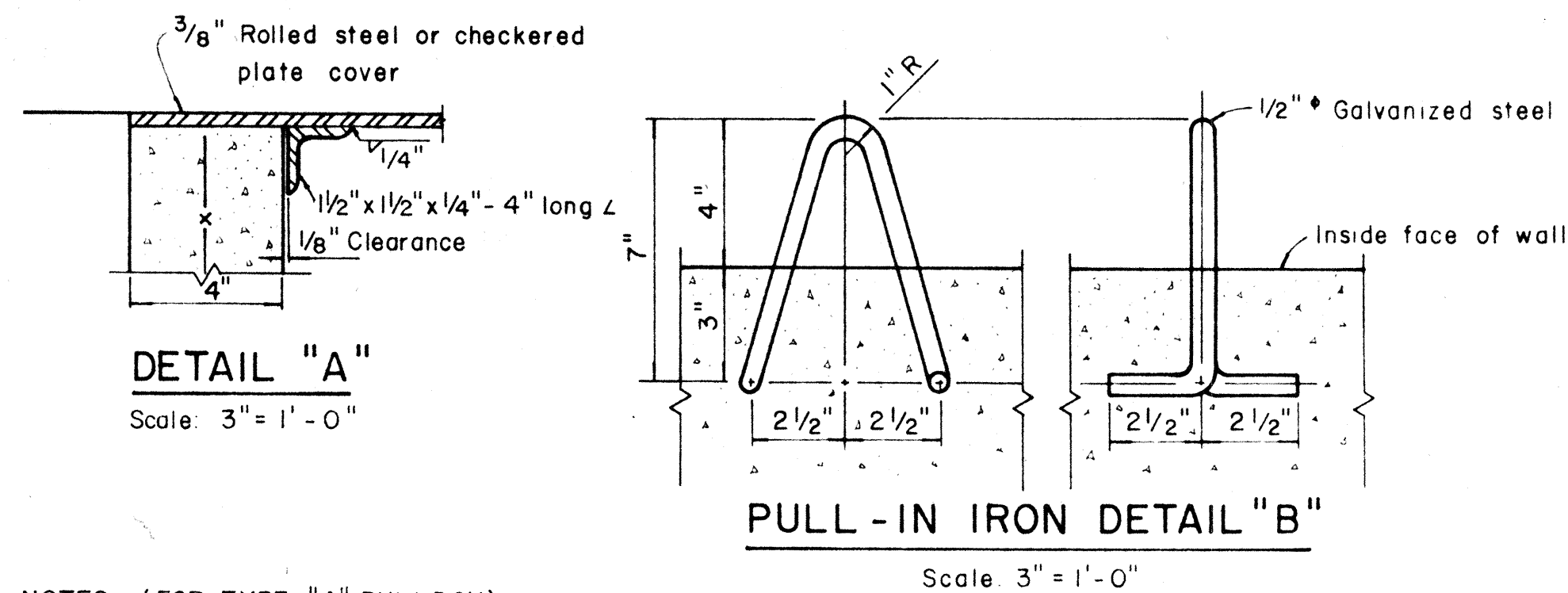
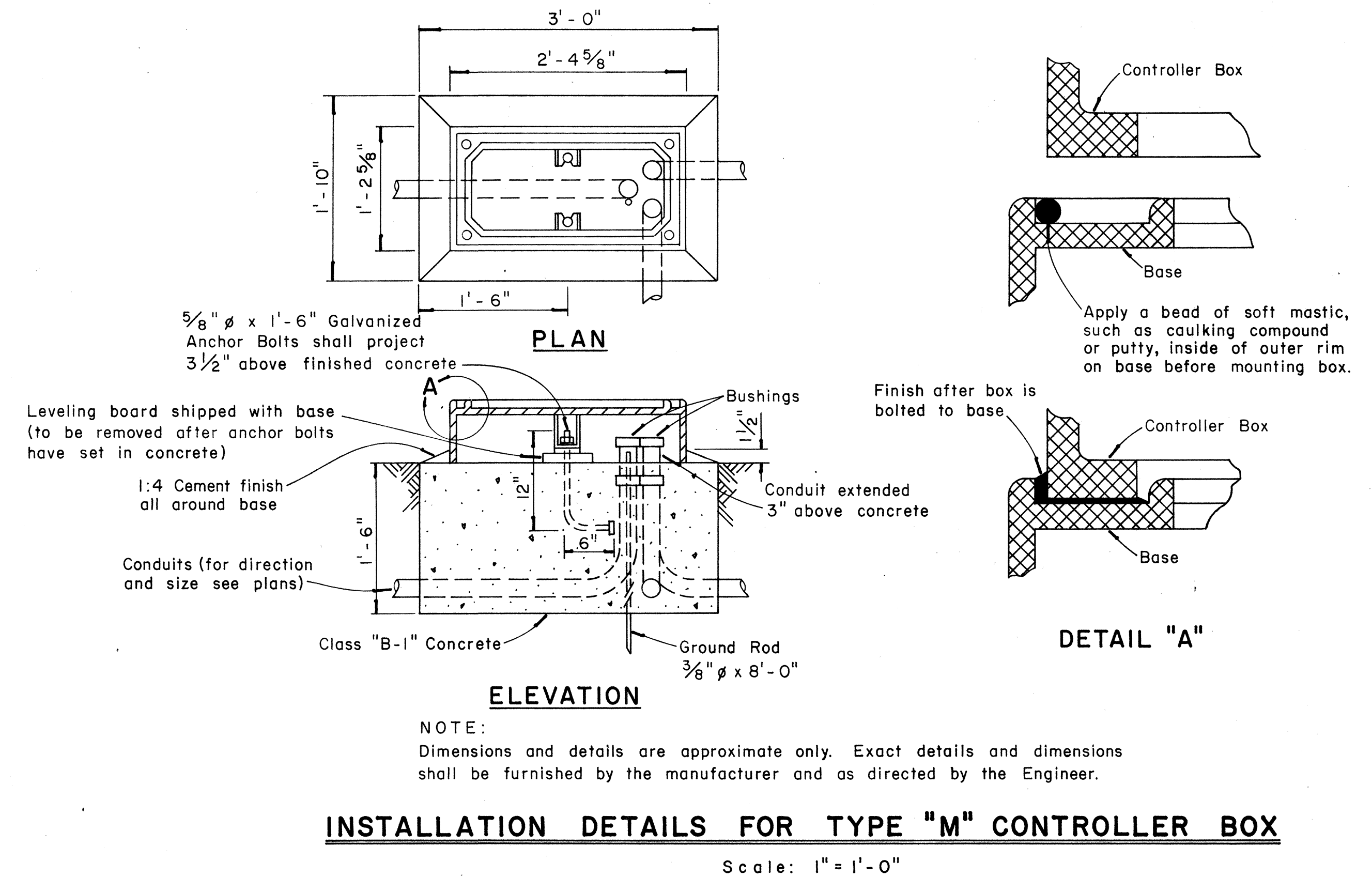
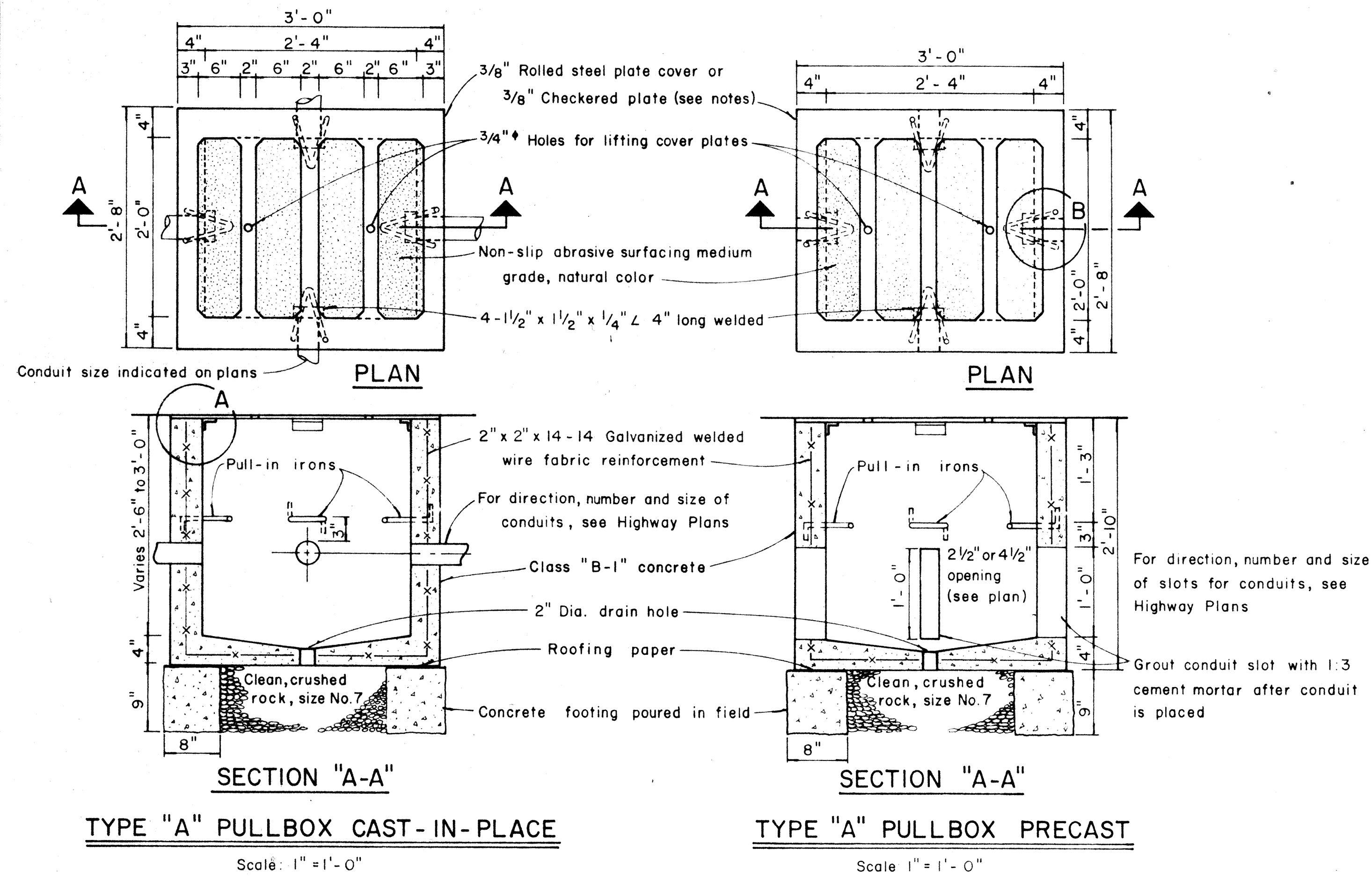
TYPICAL VEHICULAR AND PEDESTRIAN SIGNAL MOUNTINGS



STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
TRAFFIC SIGNAL SYSTEM
 MISCELLANEOUS DETAILS
 Not to Scale
 SHEET No. 4 OF 5 SHEETS

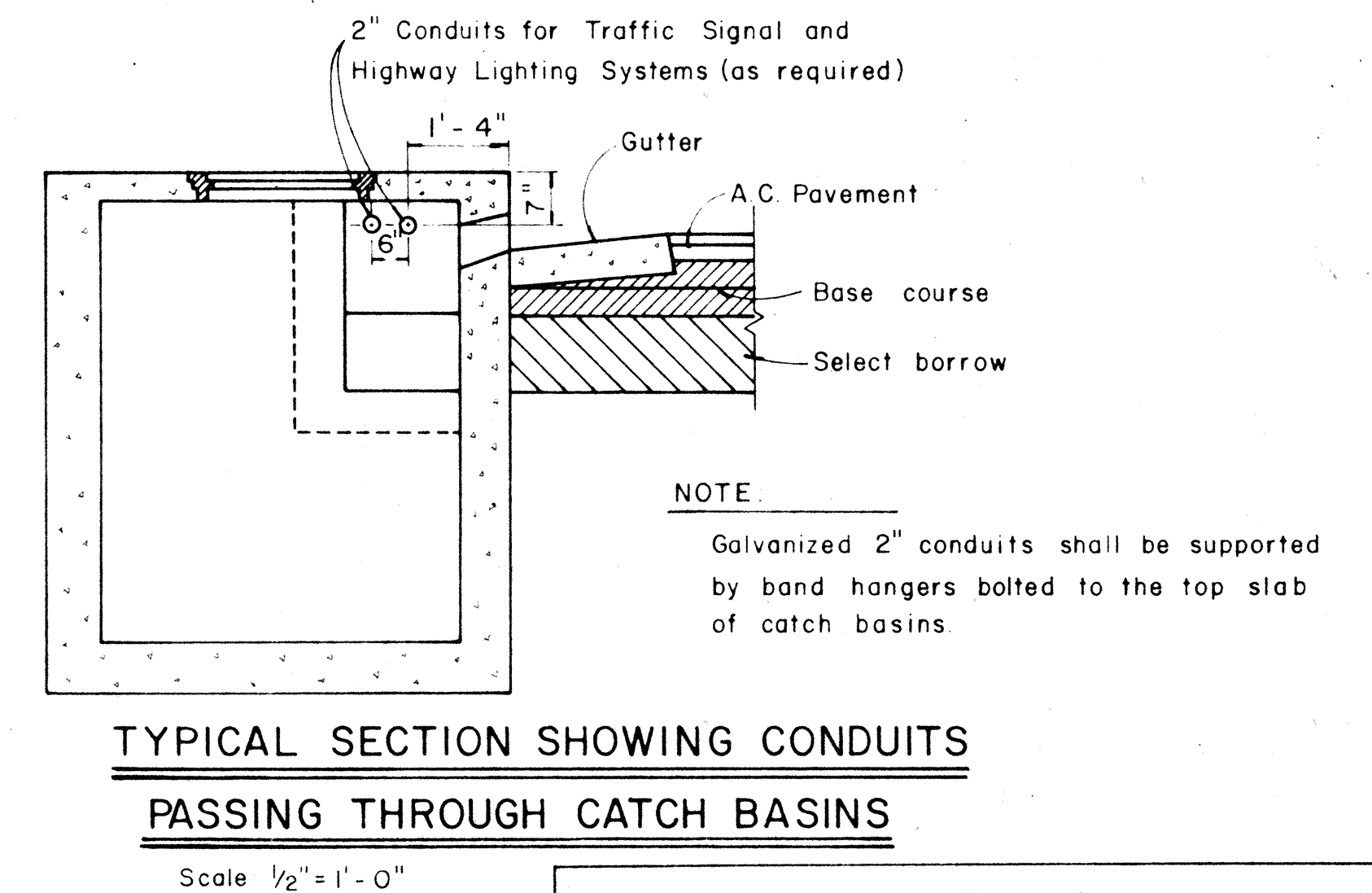
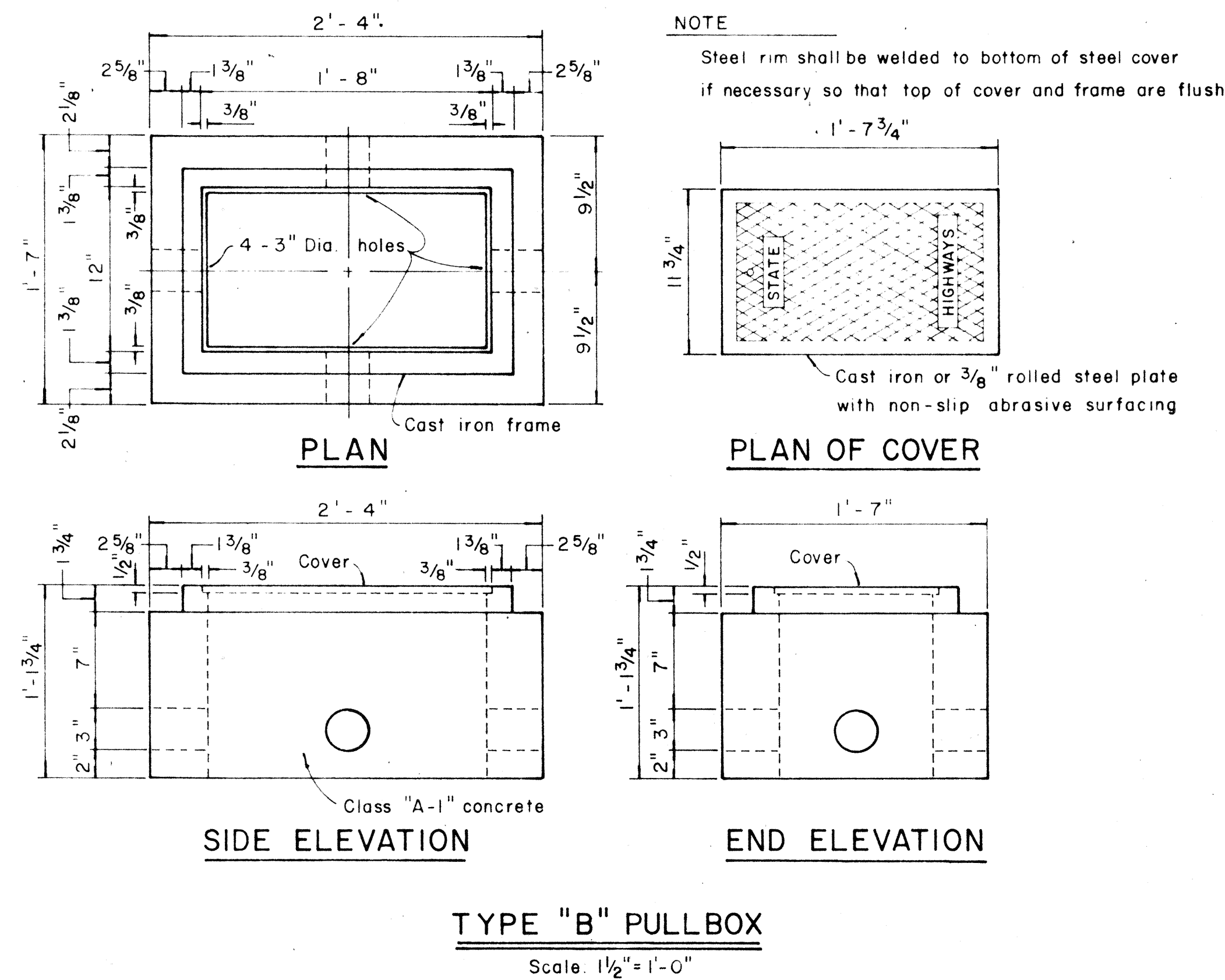
DATE	
DESIGNED BY	
CHECKED BY	
NOTED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	100-100	1968	5	5



NOTES: (FOR TYPE "A" PULLBOX)

- 3/8" Rolled steel plate cover with non-slip abrasive surfacing medium grade, natural color shall be used on all pullboxes located on sidewalk areas where pedestrians are walking.
- 3/8" Checkered plate cover shall be used on all pullboxes located in median areas and other locations where there are no pedestrians walking.
- Pull irons shall be placed opposite each conduit slot.
- Covers on all pullboxes located in sidewalk areas shall be set flush with the concrete sidewalk.
- Each pullbox shall have a pair of pull irons opposite each other for lifting purposes.



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**STANDARD DETAILS
PULLBOXES
AND
TYPE "M" CONTROLLER BOX**

Scale as noted

SHEET No. 5 OF 5 SHEETS