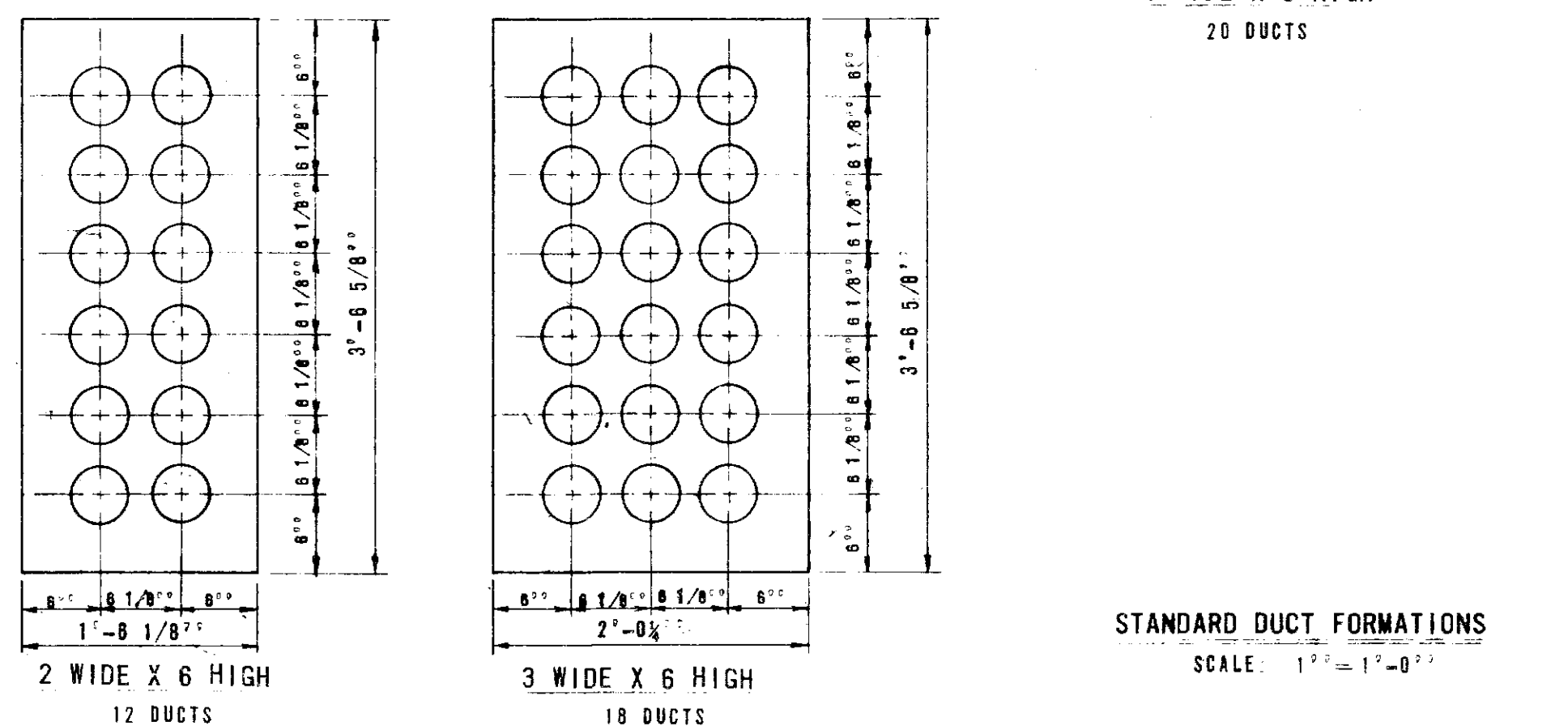
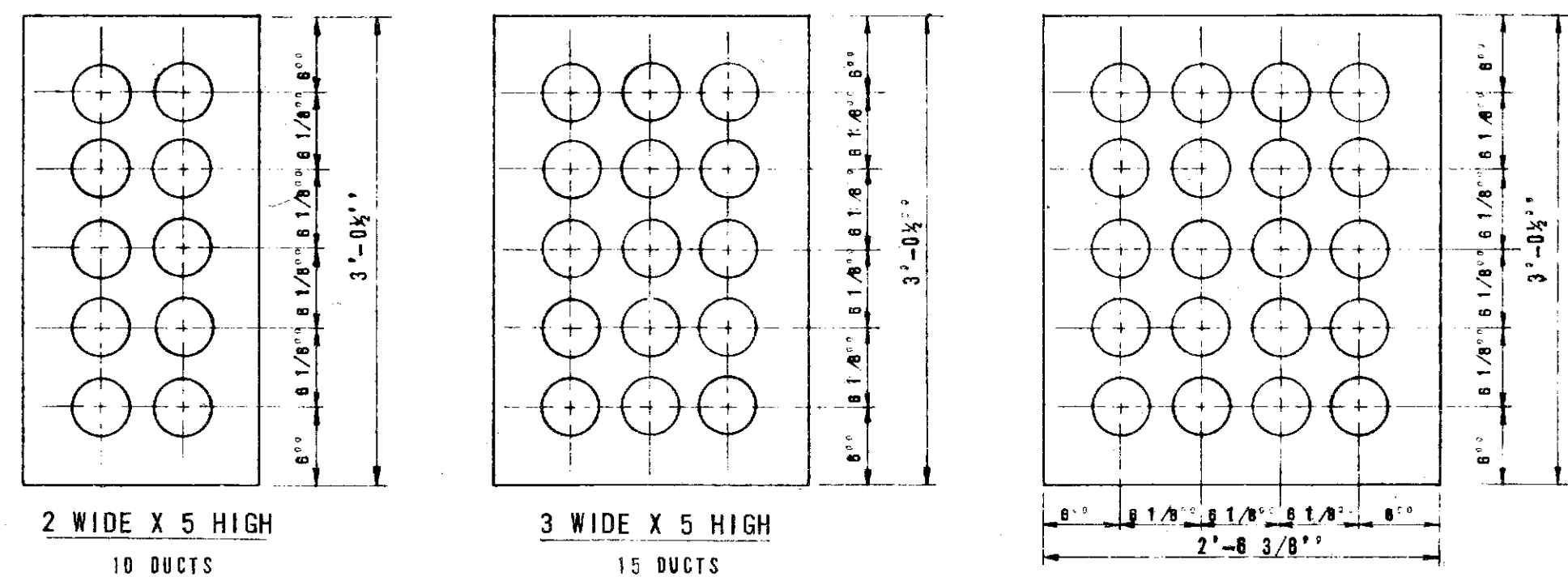
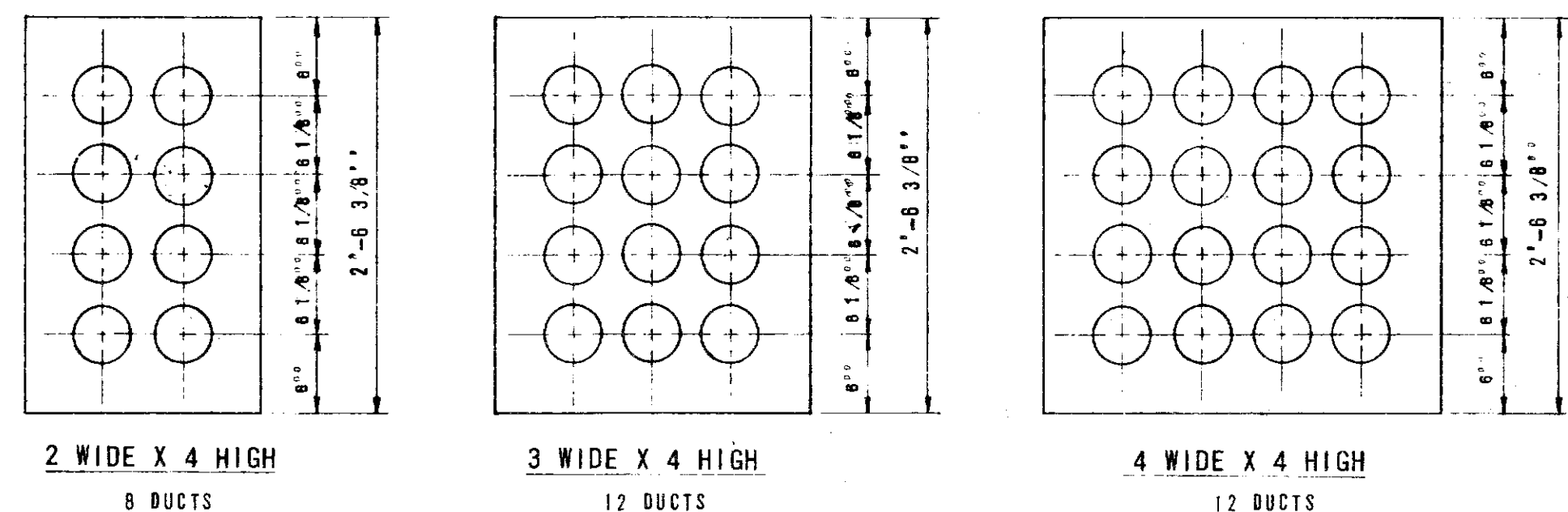
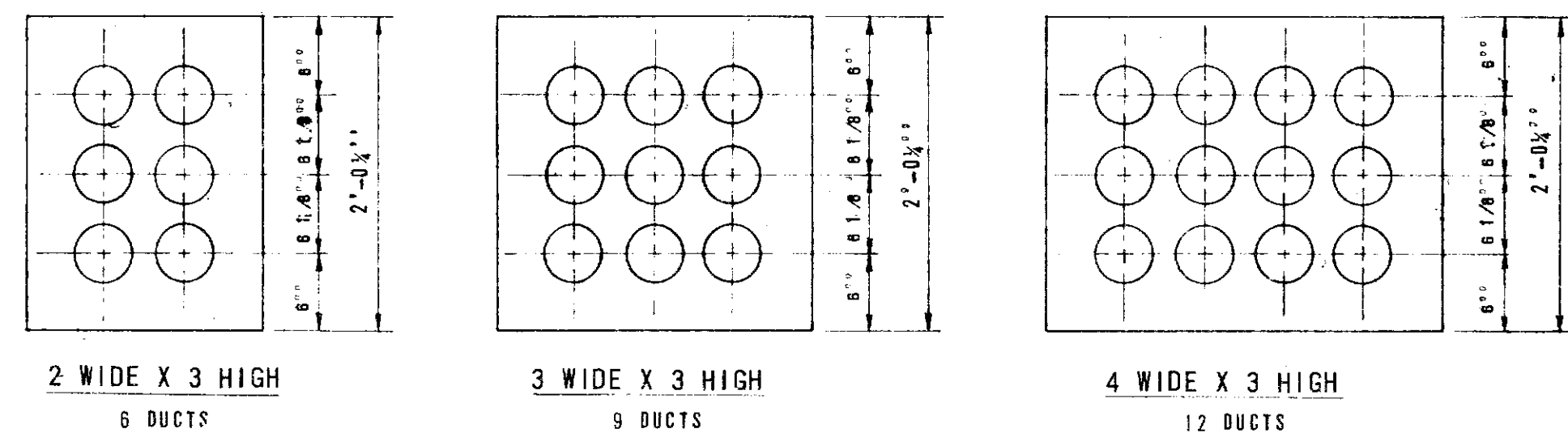
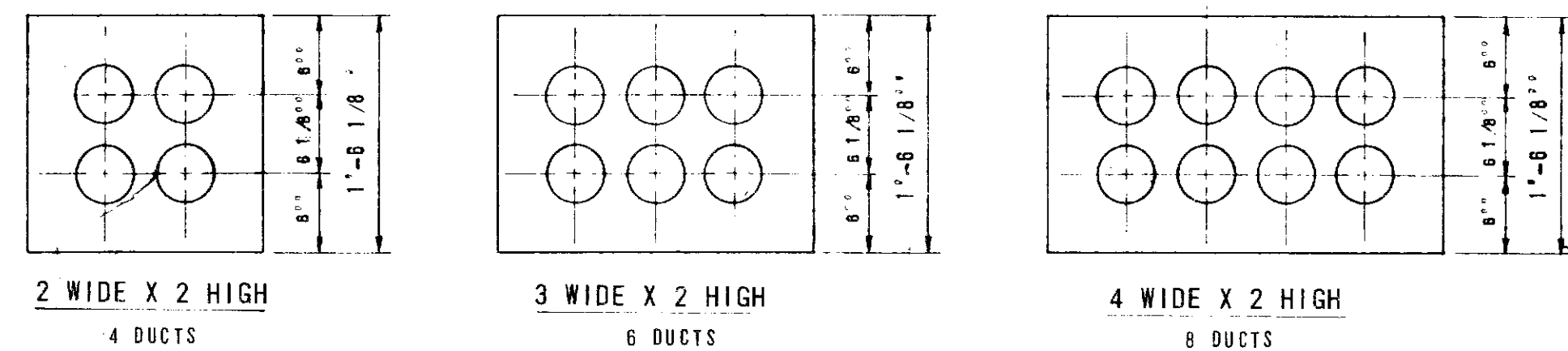
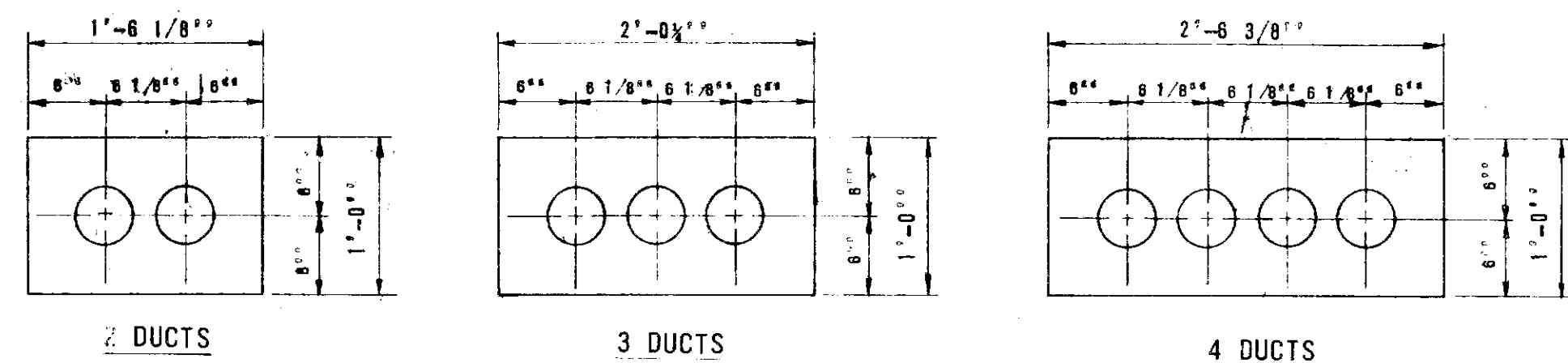
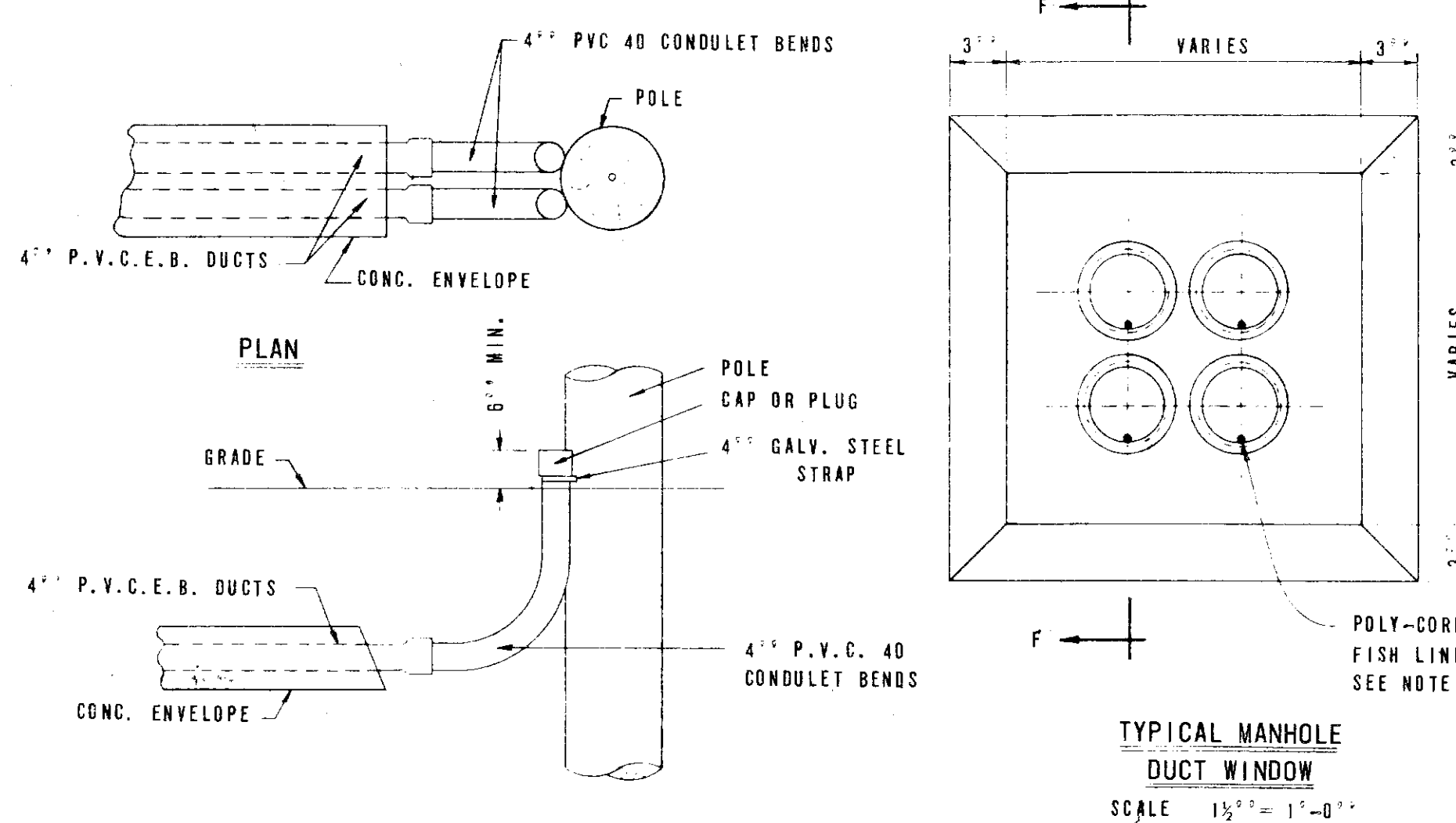
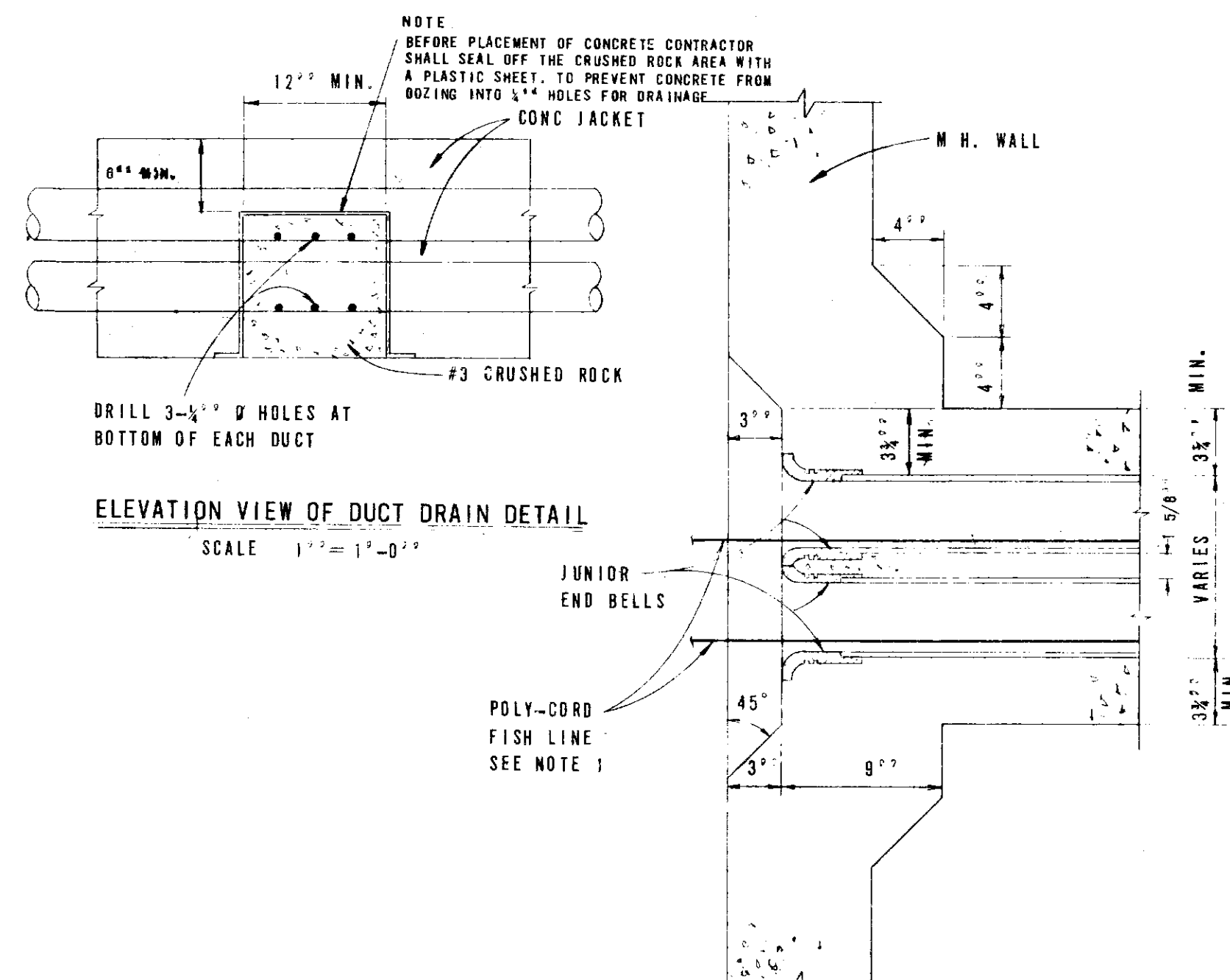




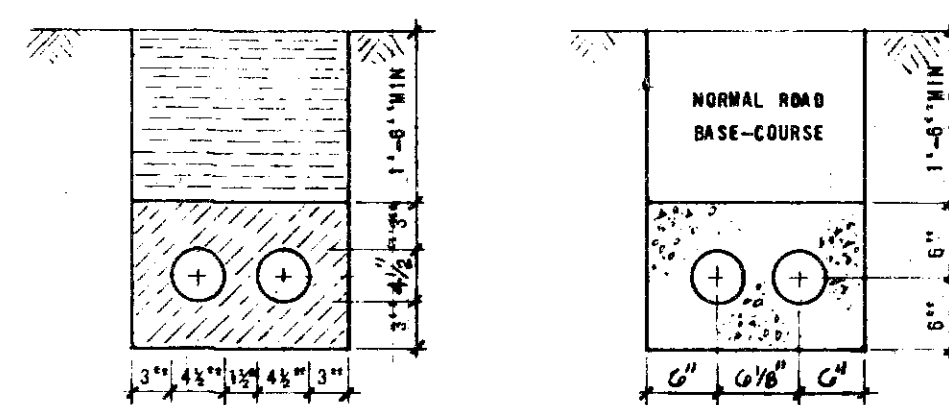
STANDARD DUCT FORMATIONS
SCALE: 1" = 1'-0"



TYPICAL PVC CONDUIT BEND INSTALLATION DETAILS
NOT TO SCALE



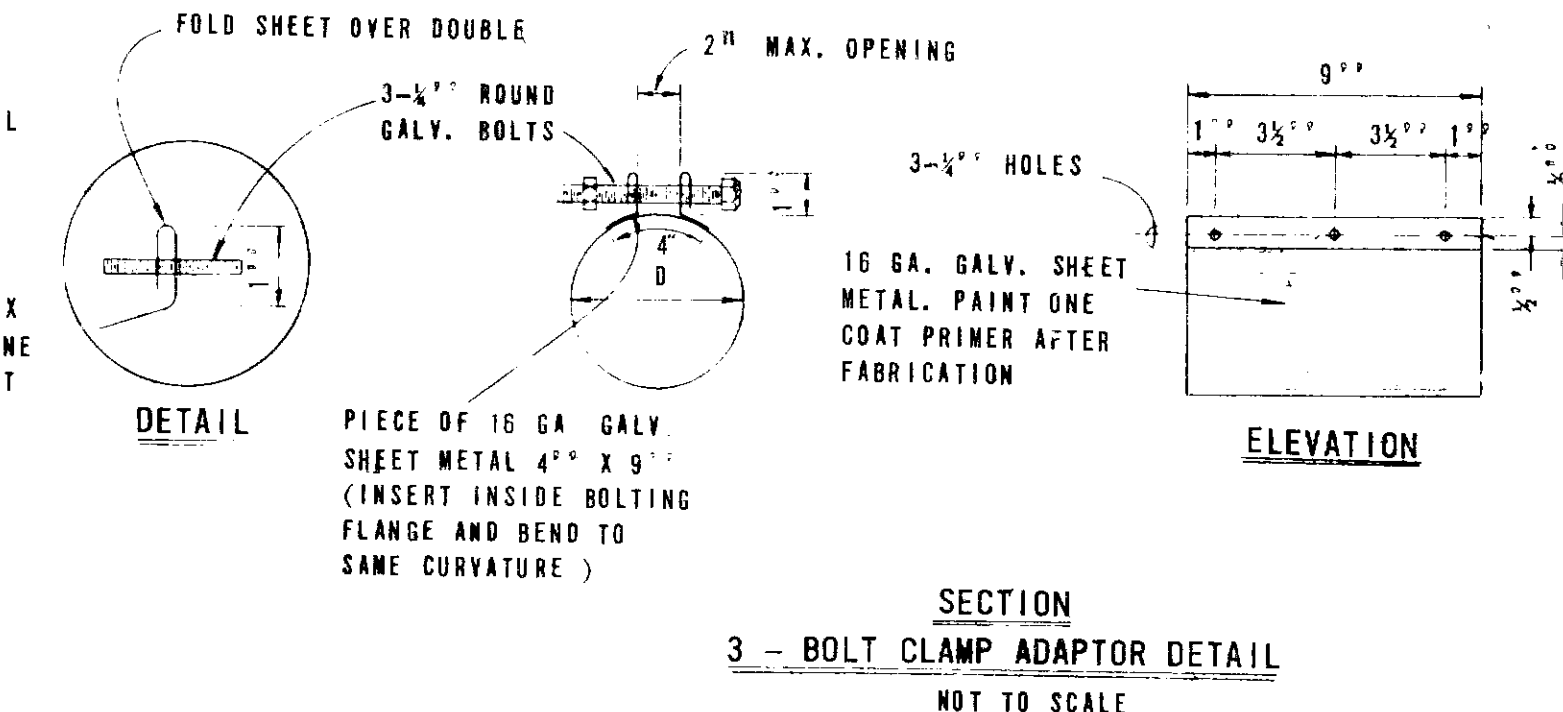
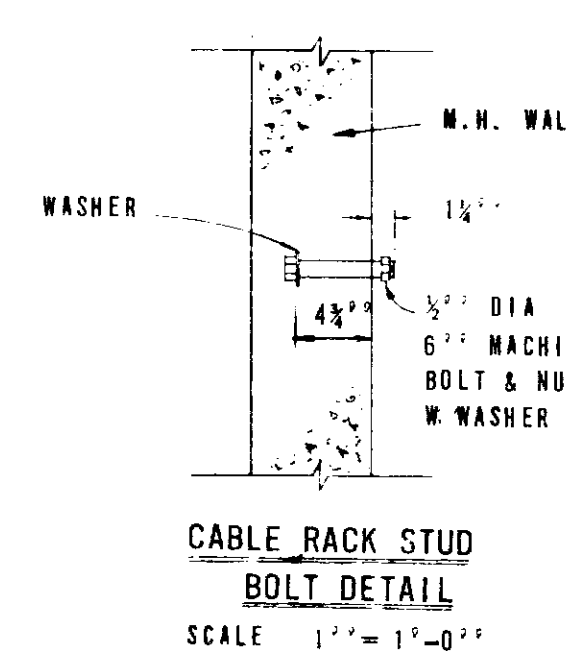
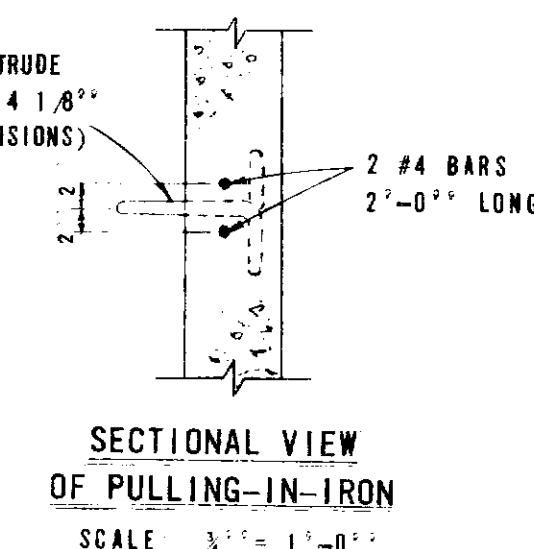
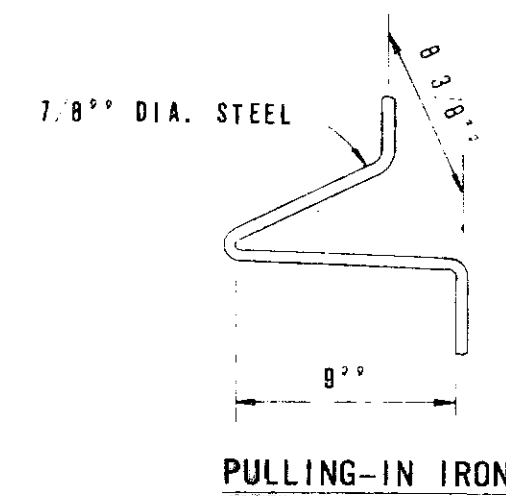
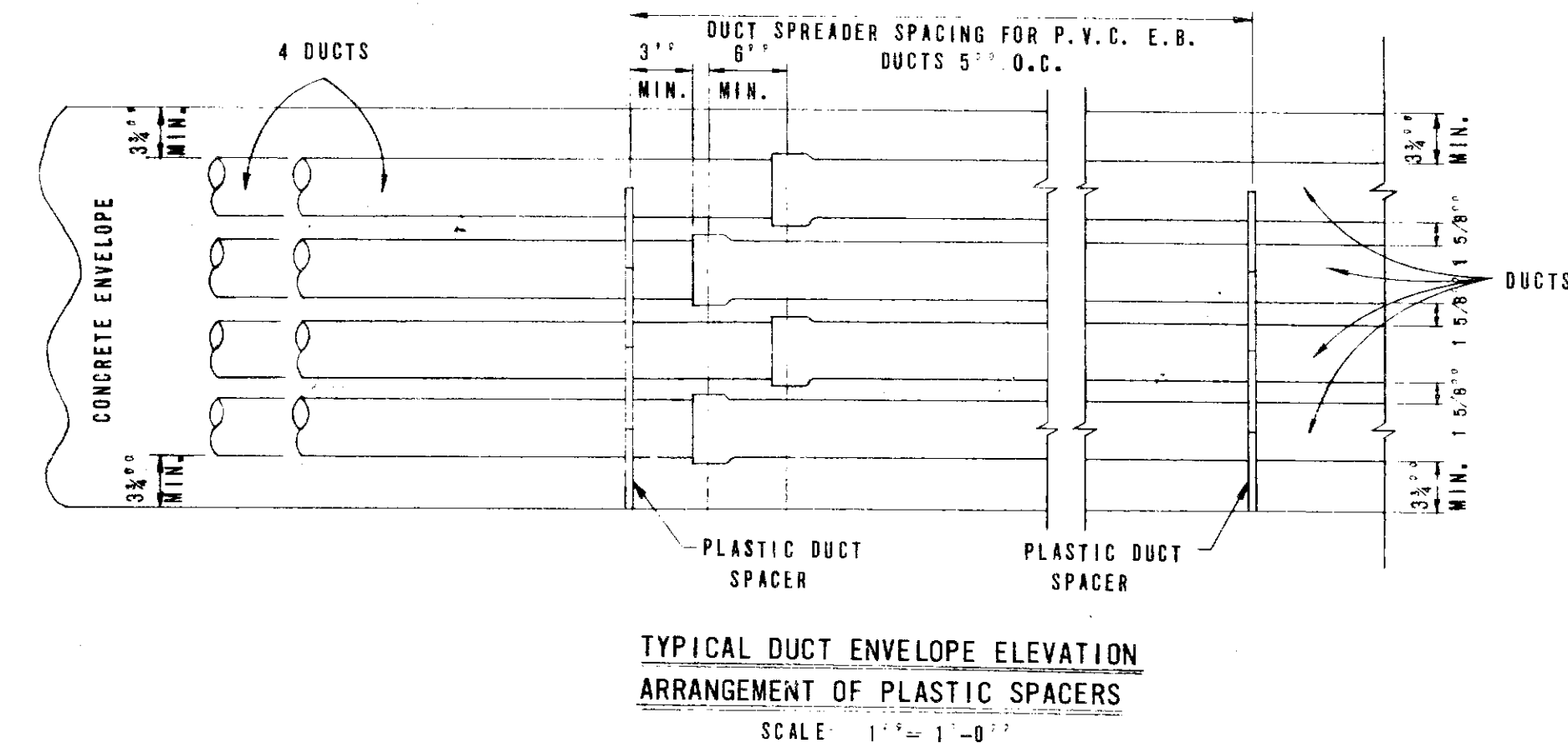
SECTION F-F
TYPICAL WINDOW DETAIL & JUNIOR END BELL
SCALE: 1 1/2" = 1'-0"



NOTE:
TYPE 'A' DIRT - SHALL BE BLACK OR BEACH SAND, OR EARTH AND GRAVEL. IF EARTH AND GRAVEL ARE USED, MAXIMUM ROCK SIZE SHALL BE 1" AND THE MIXTURE SHALL CONTAIN NOT MORE THAN 50% BY VOLUME OF ROCK PARTICLES.
TYPE 'B' DIRT - SAME AS 'A' EXCEPT THAT IF EARTH AND GRAVEL ARE USED, THE MIXTURE MUST PASS A 5" MESH SCREEN AND CONTAIN NOT MORE THAN 15% BY VOLUME OF ROCK PARTICLES.

SECTION SHOWING INTER-LOCKING SPACERS
SCALE: 1 1/2" = 1'-0"

FOR KALANIANA'OLE HIGHWAY
PROJECT NO. F-072-1(34) ONLY



NOTE:
1. THE CONTRACTOR SHALL PLACE POLY-CORD FISH LINE IN EACH DUCT THROUGHOUT ITS ENTIRE LENGTH WITH PROTRUSIONS OF 2 FEET IN MANHOLES & HANDHOLES AT EACH END AND 1 FOOT IN PULLBOXES.
2. NORMALLY, PVC CONDUIT BEND INSTALLATIONS ARE USED OVER STEEL PIPES.

REVISIONS		
DESCRIPTION	DATE	ENGINEER
NOTE 1-LOCATION FOR POLYCORD FISH LINE IN DESIGNATED DUCTS	12-10-65	T.T.
STUD BOLT NOMENCLATURE AND SIZE REVISED	10-19-67	T.T.
REDRAWN, QUALITY CONTROL	11-11-69	T.T.
ADDED 3-BOLT CLAMP ADAPTER AND DUCT DRAIN DETAIL	1-20-71	R.S. J.A.
ADDED NOTE TO DUCT DRAIN DETAIL	7-15-71	R.S.
REVISED NOTE 1	8-12-77	R.S.
DUCT FORMATIONS & DETAILS REVISED	1-27-78	J.E. R.S.
ADDED TYPICAL APPLICATION FOR BURYING DUCTS	9-15-81	DY
CORRECTED DRS	1-18-82	DY

34028		STANDARD DUCT FORMATIONS MANHOLE DETAILS	
CHKD	ENG.	DATE	
CHKD	TEL.	SHEET	OF
INDEX	APPD		
HAWAIIAN TELEPHONE COMPANY HAWAII			