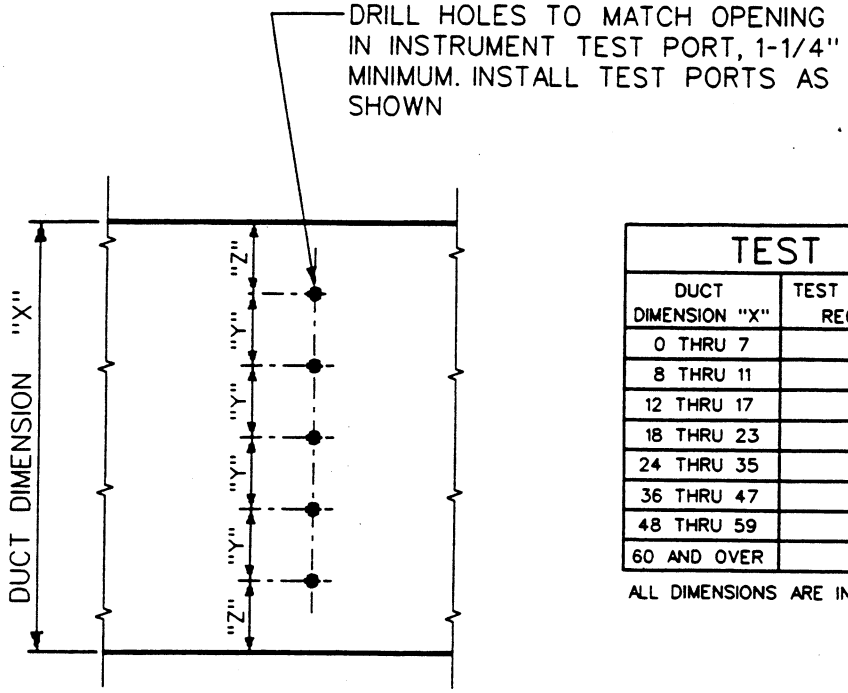
ENGINEERING STANDARD

OAK RIDGE, TENNESSEE

NUMBER	ES-5.11-1
DATE	3-30-84
REVISED	10-14-94
PAGE	1 OF 1

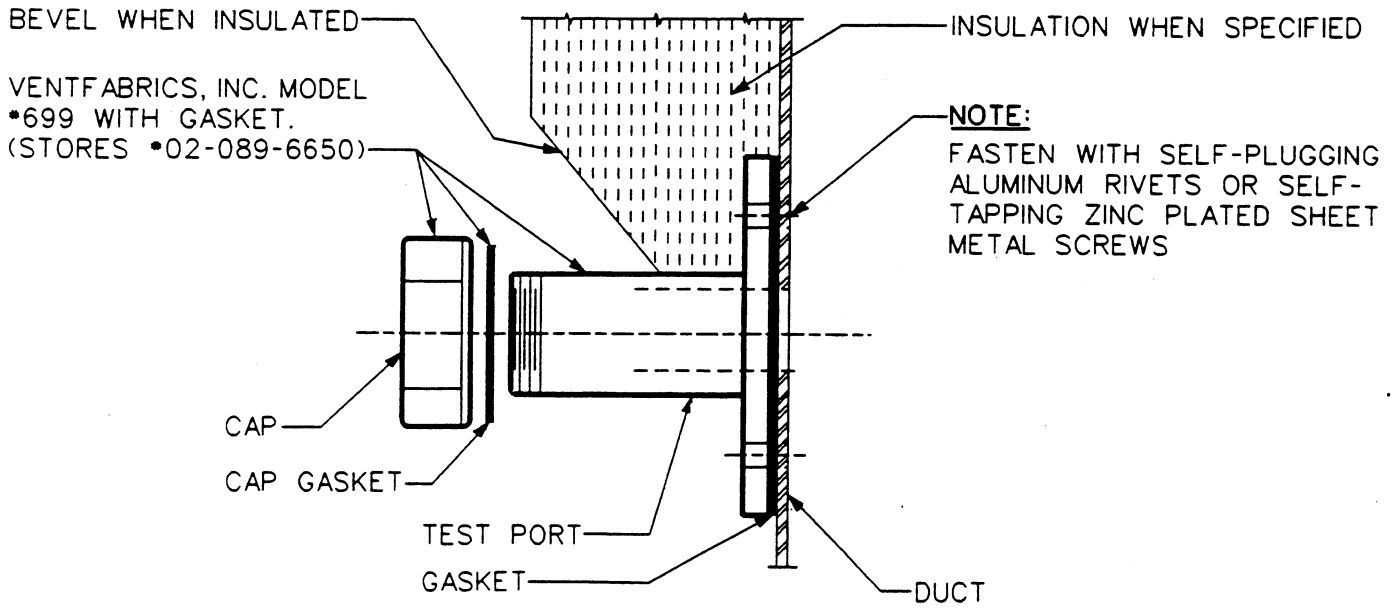
INSTRUMENT TESTS PORTS - RECTANGULAR DUCT - WITH OR WITHOUT EXTERNAL INSULATION



TEST OPENING SPACING

DUCT DIMENSION "X"	TEST OPENINGS REQUIRED	"Z"	"Y"	NO. OF "Y" SPACES
0 THRU 7	1	X/2	0	0
8 THRU 11	2	X/4	X/2	1
12 THRU 17	3	X/6	X/3	2
18 THRU 23	4	X/8	X/4	3
24 THRU 35	6	X/12	X/6	5
36 THRU 47	8	X/16	X/8	7
48 THRU 59	10	X/20	X/10	9
60 AND OVER	12	X/24	X/12	11

ALL DIMENSIONS ARE IN INCHES



TEST PORT

INSTALL INSTRUMENT TEST PORT OVER EACH OPENING REQUIRED PER TEST OPENING SPACING TABLE ABOVE

APPROVED BY Charles Garren 10/25/94