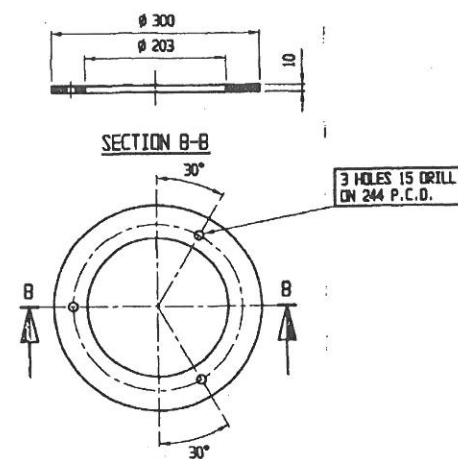
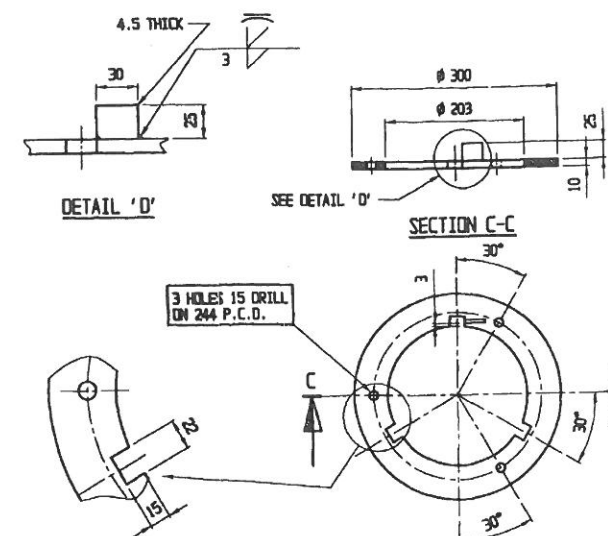


SECTION A-A

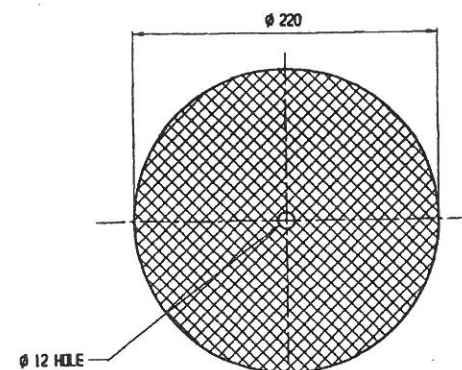
1		VENTILATOR
MATL: 3CR12 (U.D.S.)	MASS: ± 42 kg.	
No. OFF: 1	SCALE: 1:2	



2		OUTLET VENTILATOR FLANGE
MATL: 3CR12	MASS: ± 3 kg.	
No. OFF: 1	SCALE: 1:5	

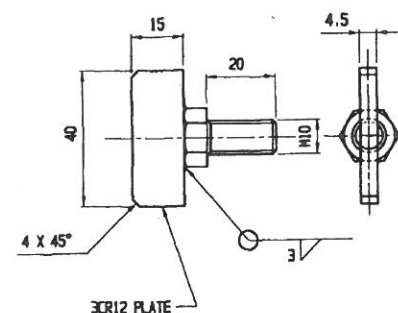


3		INLET VENTILATOR FLANGE
MATL: 3CR12	MASS: ± 3 kg.	
No. OFF: 1	SCALE: 1:5, 2:5	

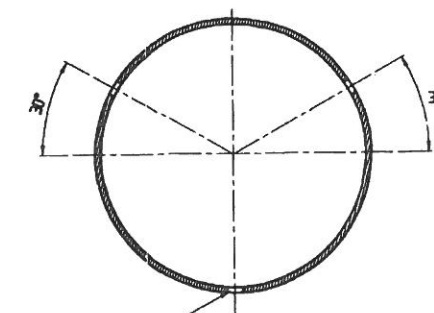
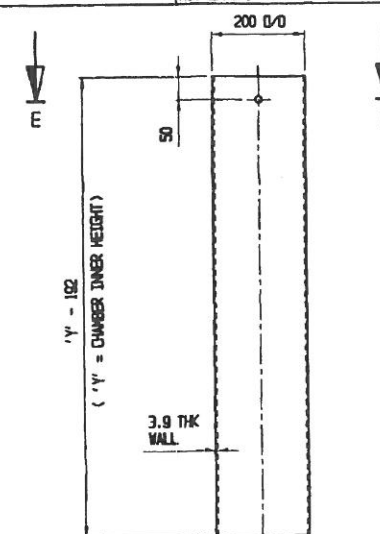


6 x 3 EXPANDED METAL  
(VEN 230 B OR EQUAL)

4		SCREEN
MATL: STAINLESS STEEL 304 L	MASS: ± 0.2 kg.	
No. OFF: 1	SCALE: 1:2.5	



5		SCREW
MATL: ST. STEEL 316 (U.D.S.)	MASS: ± 0.02 kg.	
No. OFF: 1	SCALE: 1:1	



SECTION E-E

6		VENT PIPE ('Y' = )
MATL: M.P.V.C. (CLASS B)	MASS: ± 4 kg.	
No. OFF: 1	SCALE: 1:2.5, 1:7.5	

GENERAL DIMENSIONAL TOLERANCES (U.D.S.)  
DIMENSIONS ± 2 mm (MIN.)  
THICKNESS OF MATERIAL - AS MANUFACTURED  
WELDING  
IDENTICAL WELDS SYMBOLISED ONCE ONLY  
CODED WELDERS TO BE UTILISED FOR WELDING  
OPERATIONS.  
MATERIAL  
MATERIAL TO BE: 3CR12 No 1 FINISH (U.D.S.)  
STAINLESS STEEL TO BE GRADE: 304 L

SURFACE PROTECTION:  
AFTER FABRICATION ALL 3CR12 AND STAINLESS STEEL  
ITEMS TO BE PICKLED AND REPASSIVATED.

SCALE (mm)  
0 5 10 100

PROJECTION  
(U.D.S.)

REMOVE ALL SHARP EDGES

REV	DATE	DESCRIPTION	STG.
1	18-05-2004	LENGTH OF M12 STUDS AT ITEM 1 ALTERED TO: 'X' - 5 (WAS 'X' + 45)	

# DIRECTORATE: MECHANICAL & ELECTRICAL ENGINEERING

DESIGNED: P. VAN DALEN	19/5/2004	DATE
DRAWN: H.P. DEKOR	18-10-1998	DATE
CHECKED: [Signature]	19/5/2004	DATE
CALCULATIONS FILE: HE/DM ZZZ-03		
LOCALITY No. DM ZZZ-03		
TENDER No. / CONTRACT No.		

# REPUBLIC OF SOUTH AFRICA DEPARTMENT OF WATER AFFAIRS AND FORESTRY

TYPE	
TYPE DRAWING: 3CR12 INLET AND OUTLET VENTILATORS - DETAILS -	
PROVINCE:	DISTRICT:
OTHER No.	REG. No.: 131013/98 ME

DO NOT SCALE DRAWING

ALL DIMENSIONS IN MILLIMETRES

REMOVE ALL SHARP EDGES