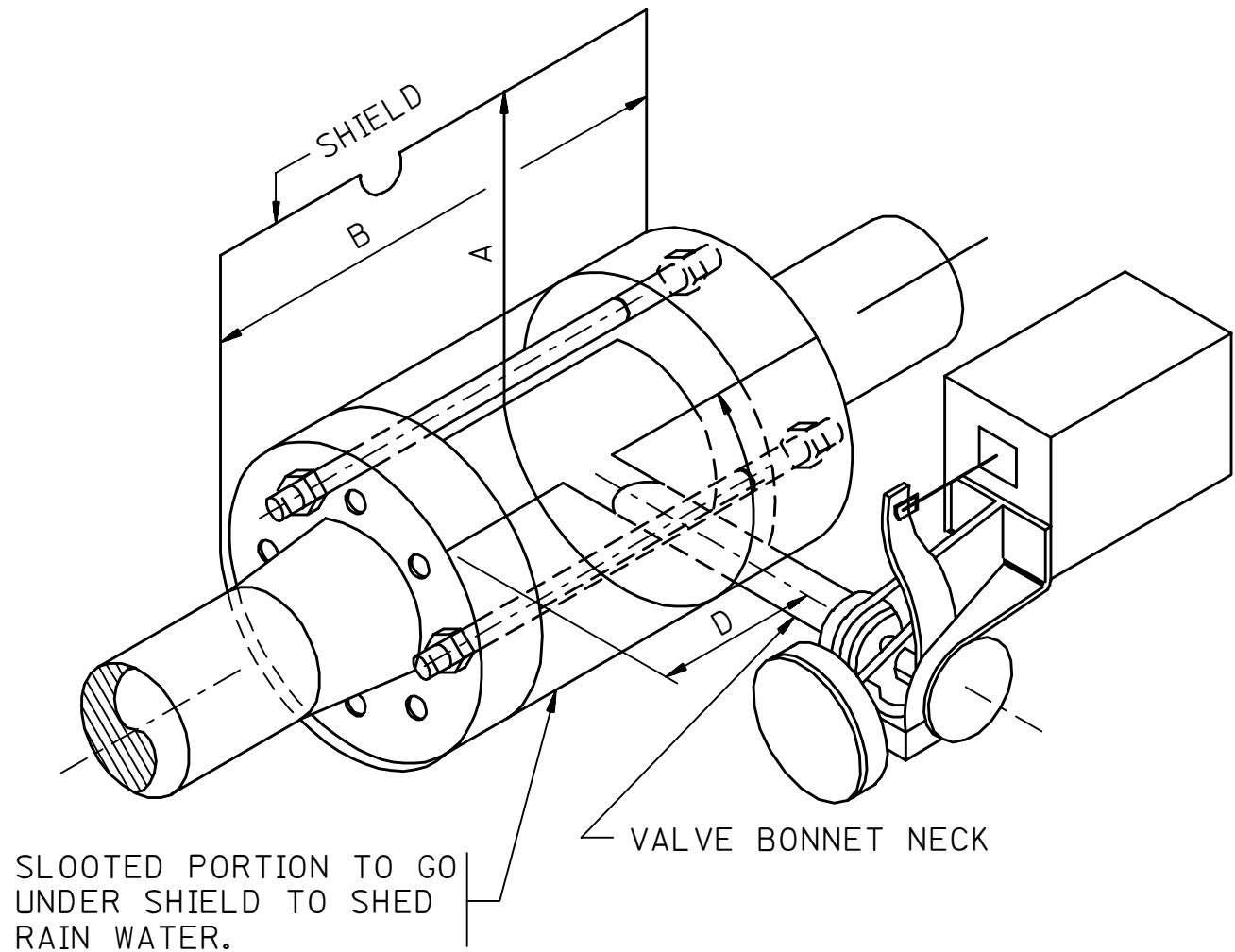
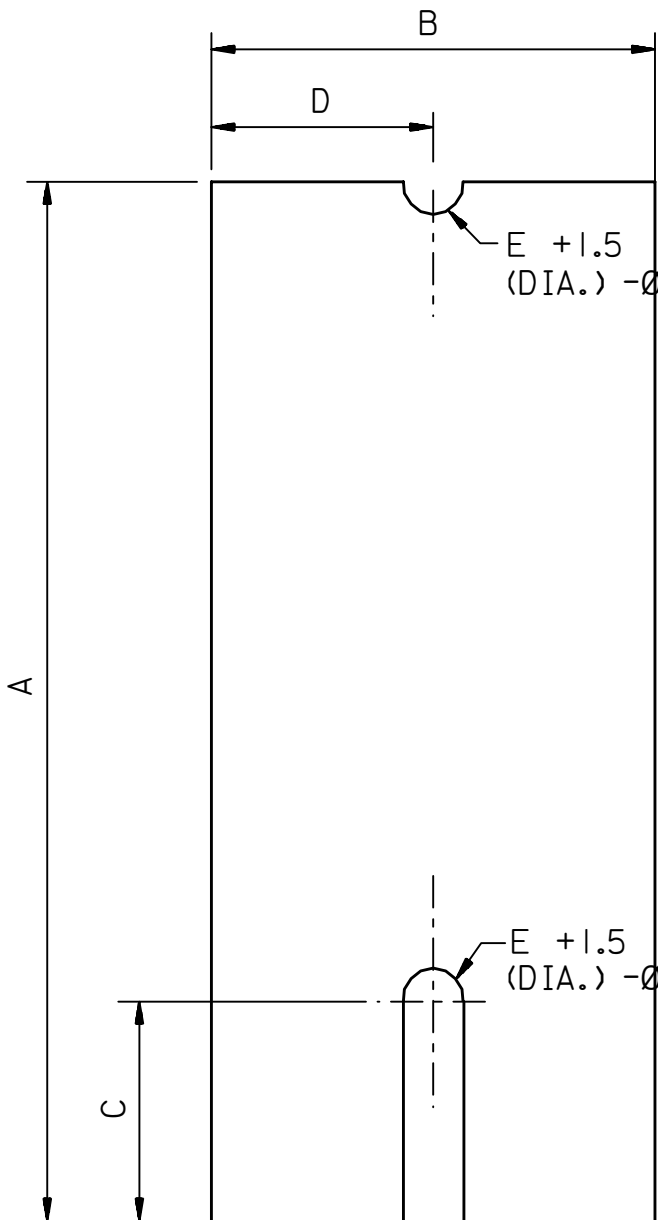


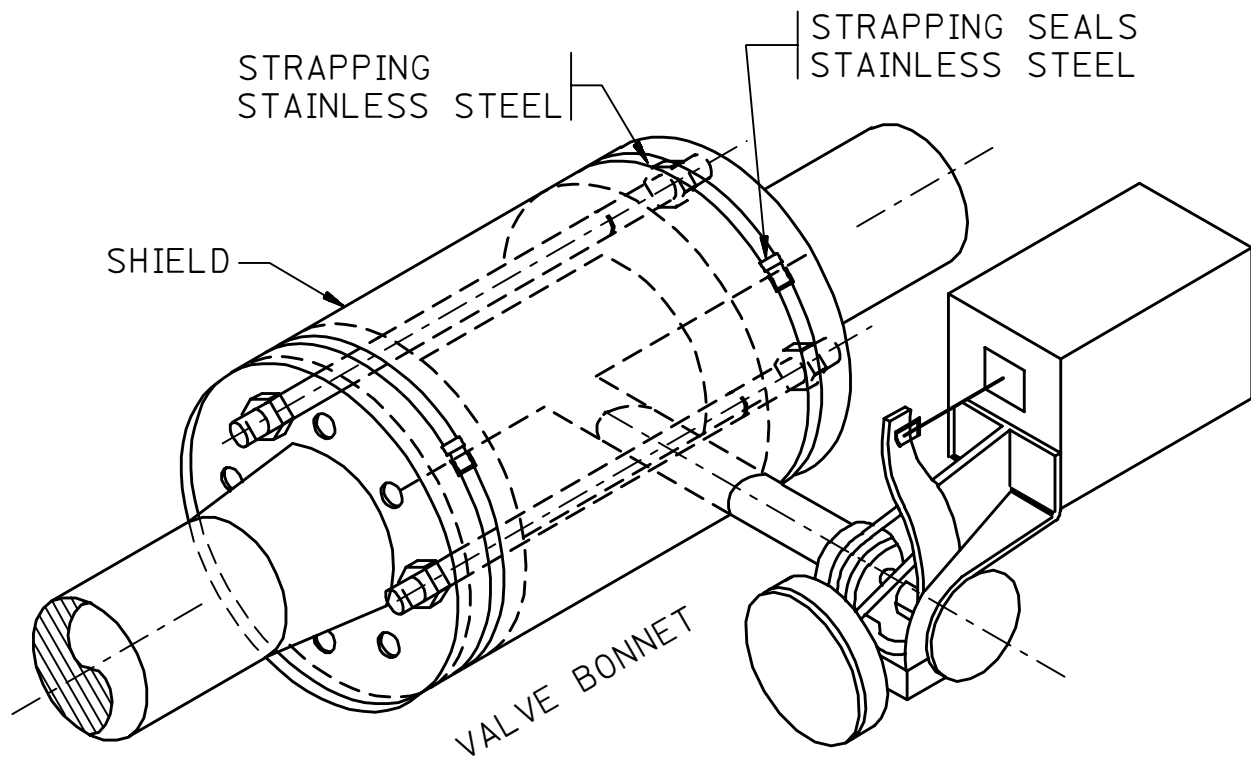
02	002	AC-036404	N	990
REV. NO.	SHT. NO.	DRAWING NUMBER	INDEX	PLANT NO.



STEP NO. 1



SHIELD



METRIC DIMENSIONS OF STOCK ITEMS ARE A DIRECT
CONVERSION OF CONVENTIONAL UNITS TO METRIC UNITS

STEP NO. 2

FLANGE RATING	VALVE SIZE	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
CLASS 150	1"	415	150	80	92	35
CLASS 150	1 1/2"	500	170	100	89	32
CLASS 150	2"	595	185	110	92	38
CLASS 150	3"	745	230	140	130	57
CLASS 150	4"	900	265	180	146	64
CLASS 150	6"	1085	305	200	168	73
CLASS 150	8"	1295	330	200	197	83
CLASS 150	10"	1495	360	200	216	102
CLASS 150	12"	1735	380	200	235	111
CLASS 330	1"	490	165	100	98	35
CLASS 330	1 1/2"	615	185	130	95	32
CLASS 330	2"	660	195	140	98	38
CLASS 330	3"	840	255	180	140	57
CLASS 330	4"	1005	260	200	152	64
CLASS 330	6"	1205	330	200	178	73
CLASS 330	8"	1415	355	200	210	83
CLASS 330	10"	1615	400	200	235	102
CLASS 330	12"	1855	425	200	254	111

DIMENSIONS FOR "CAMFLEX" VALVES ONLY. SEE
NOTE-5 TOLERANCES ± 3 mm UNLESS OTHERWISE
NOTED.

NOTES:

1. INSERT SHIELD AROUND VALVE AS SHOWN IN STEP NO. 1 USE 22 GA. STAINLESS STEEL SHEET ASTM A-167, TYPE 304, A.M.S. NO. 12-156-314.
2. ADJUST SHIELD AROUND BONNET NECK FOR MINIMUM CLEARANCE.
3. TIGHTEN SHIELD AROUND VALVE AS SHOWN IN STEP NO. 2 BANDS TO BE CENTERED ON FLANGES.
4. SHIELD PREVENTS BOLT ELONGATION DUE TO DIRECT FLAME IMPINGEMENT ON LONG EXPOSE FLANGE BOLT DESIGN.
5. THIS SHIELD SHOULD BE INSTALLED ON FLANGELESS VALVES INCLUDING BUTTERFLY, CHECK AND CONTROL VALVE IN HYDRO-CARBON SERVICE WHOSE BOLTS ARE EXPOSED BETWEEN MATING PIPE FLANGES FOR FLANGELESS VALVES OTHER THAN "CAMFLEX" TYPE, THE SAME PRINCIPLE APPLIES BUT THE DIMENSIONS WILL SOMEWHAT VARY.
6. STAINLESS STEEL STRAPPING ARE 12mm WIDEx0.38mm THICK; 1KG/25M A.M.S. NO. 08-900-516. STAINLESS STEEL STRAPPING SEALS ARE 12mm WIDEx20mm LONG; 500/BOX. A.M.S. NO. 08-898-463.
7. ALL DIMENSIONS IN MILLIMETERS UNLESS NOTED OTHERWISE.

02	OCT92	ESSD AVM			CORRECTED INDEX FROM S TO N		
01	MAY92	ESSD FDR			DRAWING DIGITIZED INTO CADD DATABASE WITHOUT CHANGES		
REV. NO.	DATE	BY	JO/EWO		DESCRIPTION	CHKD. CERT.	APPD.

SAUDI ARABIAN OIL COMPANY

DRAWN BY	M. NIAZI	CHECKED BY	NJF	SCALE	NONE
DATE STARTED		DATE COMPLETED			09-12-78
OPR'G. DEPT.	ORIGINAL SIGNED	ENG. DEPT.	ORIGINAL SIGNED		09-12-78
APP'D FOR CONSTR.					

THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION OR FOR ORDERING MATERIAL UNTIL CERTIFIED AND DATED	CERTIFIED BY DATE
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FLAME IMPINGEMENT
SHIELD FOR
FLANGELESS VALVE

STD. DWG.			METRIC	
PLANT NO.	INDEX	DRAWING NUMBER	SHT. NO.	REV. NO.
990	N	AC-036404	002	02