

Technical drawing of a mechanical part showing front and side views with dimensions and tolerances.

Front View (Left):

- Overall width: $20^{+0.5}_{-0.5}$
- Overall height: 32^{+1}_{-1}
- Internal circular feature with a radius of $4R$ (TYP.).

Side View (Right):

- Overall length: DIM 'L'
- Section 1 (Left): Width 18, taper angle 30° .
- Section 2 (Middle): Width 30.
- Section 3 (Right): Diameter $\varnothing 20$, length 22^{+1}_{-1} , and M20 THREAD.

Technical drawing of a shaft with a keyway, showing a cross-section and a top view. The cross-section shows a shaft with a diameter of 38 mm, a keyway with a width of 5 mm and a depth of 2 mm, and a minimum radius. The top view shows the circular cross-section of the shaft.


CR 172	4	28.11.2001	DIMENSIONS OF LINER BOLT CHANGED FROM 22 TO 20 % & TOTALLY REDRAWN		HM	AVH	JJBvJR				
DR 695	3	15.12.2001	SCANNED & REGISTERED		HM	AVH					
	2	12.07.1982	ISSUED FOR CONSTRUCTION								
	1	14.06.1982	GRIND NOTE ADDED 11.07, ALSO 11 08 DIM 633 WAS 632 %								
OO 0	0	19.04.1982	ISSUED FOR RILEY STOKER APPROVAL							54782	LINER DETAILS
D.O	REV	DATE	** REVISION **		REV BY	CHKD BY	AUTH BY	KKS APP	0-63 REFERENCE DRAWINGS		
DRG REGISTER			INDEX REFERENCE :								
			APPROVED BY :								
KKS APP			AUTHORISED BY :								
AUTH BY			12.07.1982								
CHKD BY			ESKOM HOLDINGS LTD								
			REG No								
			42002/015527/06								
DRAWN BY			AC								
SCALE			1:1								

LETHABO POWER STATION

INLET/OUTLET BOX

LINER FASTENING DETAILS

SHEET 19


Eskom

0.63 / 54781

04

ELB EDWARD L. BATEMAN LTD.
ENGINEERS
P.O. BOX 565, BOKSBURG
SOUTH AFRICA

K6078-A108-DAA

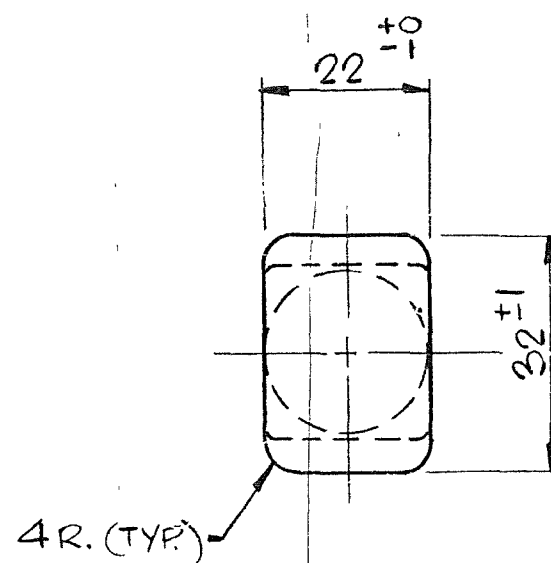
LETHABO POWER STATION
INLET/OUTLET BOX
LINER FASTENING DETAILS
SHEET 19

 Eskom

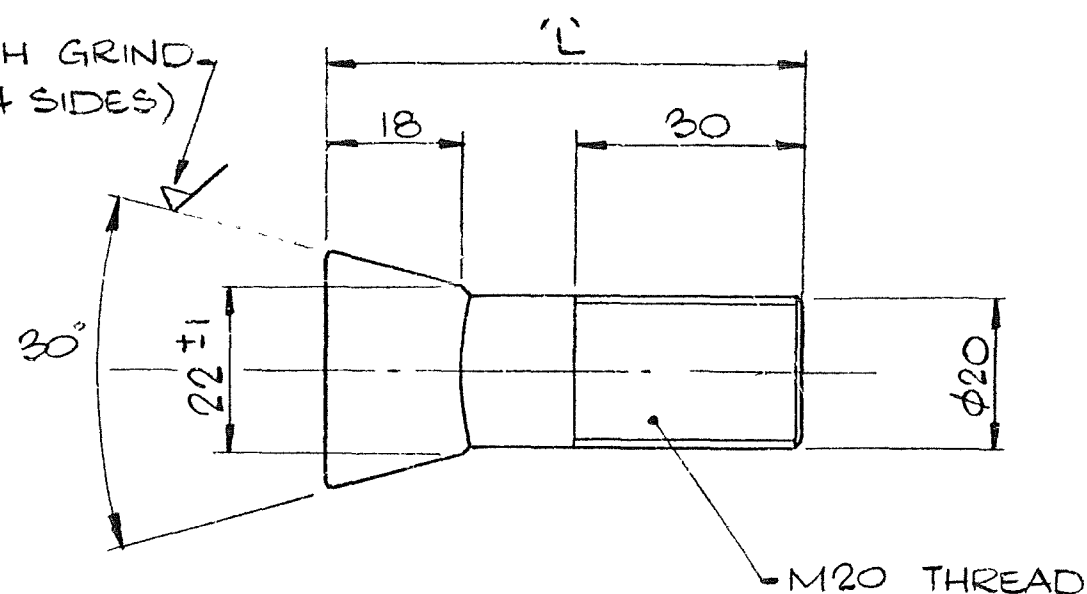
0.63 / 54781

REV
04

ITEM N°	DIM 'L'
07	65
61	80

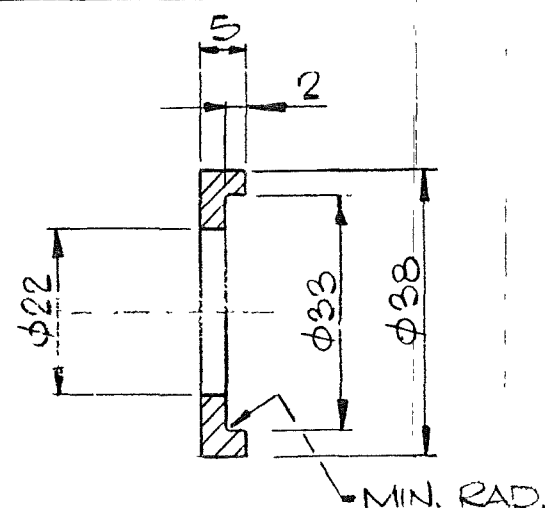


ROUGH GRIND
(TYP. - 4 SIDES)

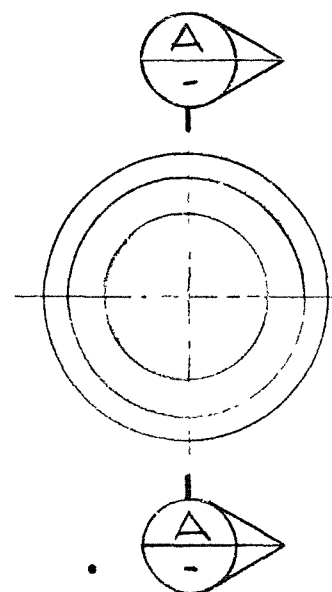


LINER BOLT
MATL: ASTM A307 GR. A

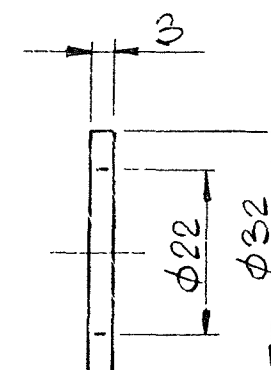
See Revised
Drawing:
Rev 4:



SECTION A-A



WASHER RETAINER 08
MATL: BS 4360 GRD 43A



WASHER 09
MATL: 3 THK CAF


063/54781 Rev 3

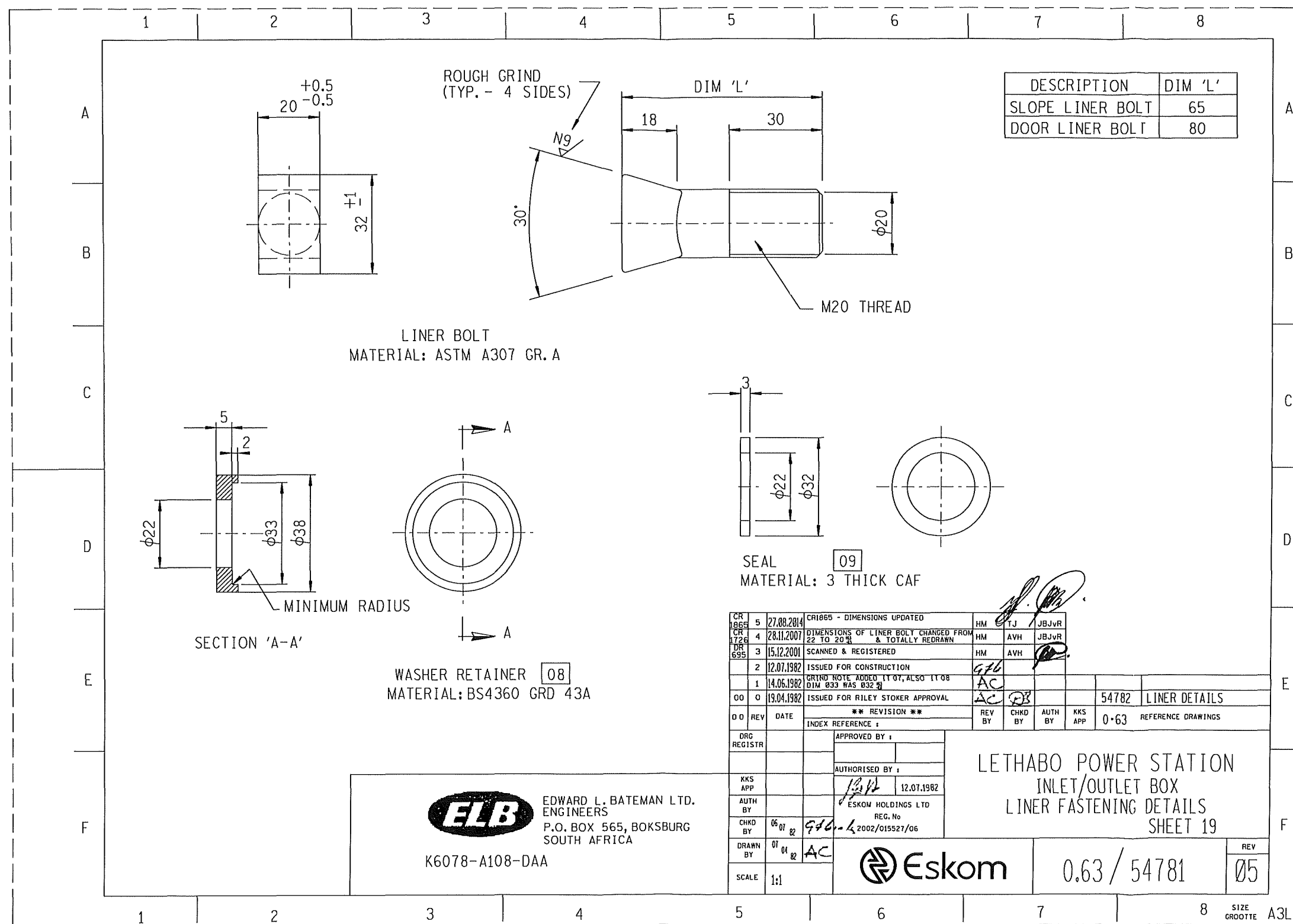
RILEY STOKER
CORPORATION

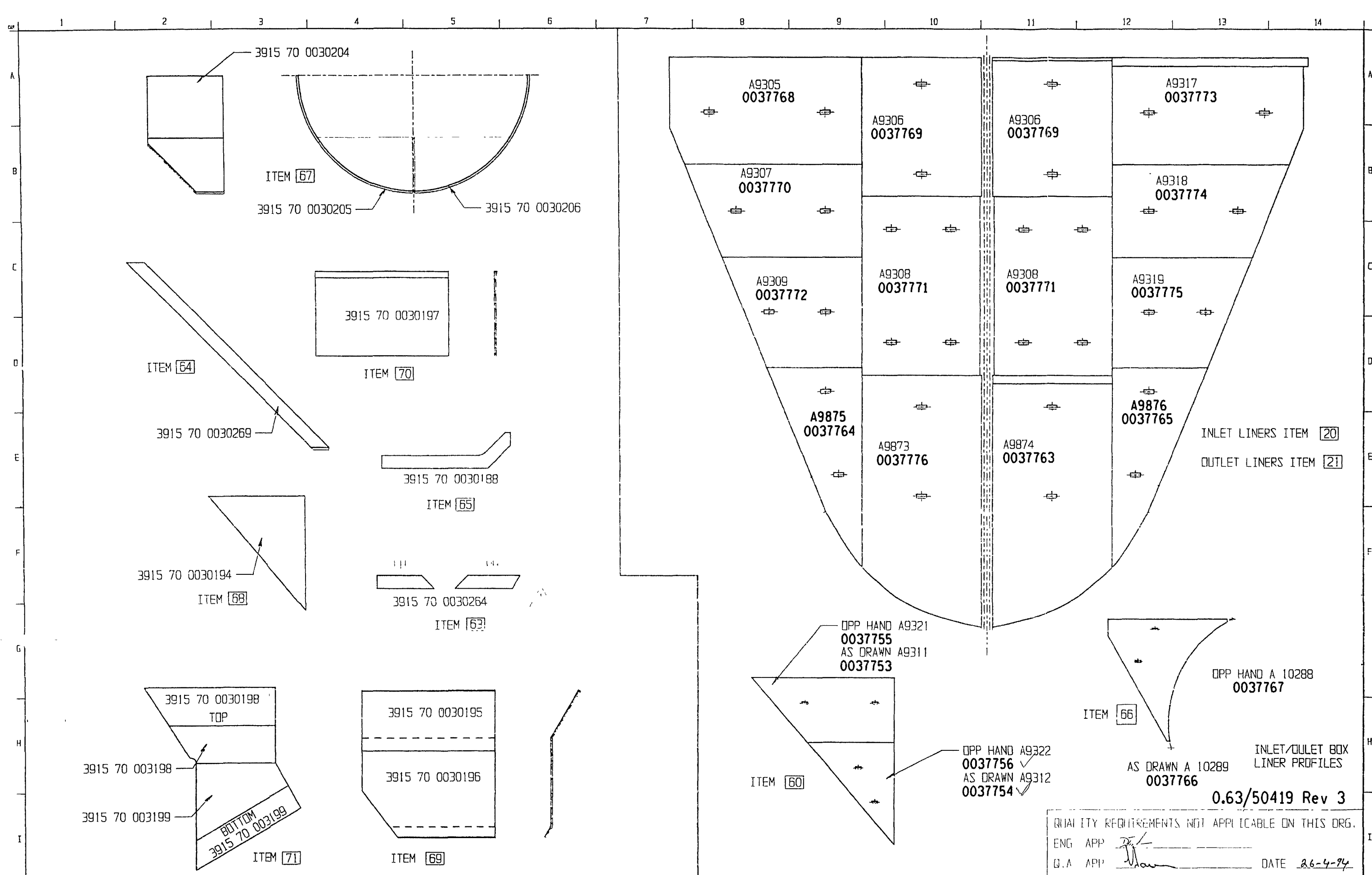
CHECKED	DATE
APPROVED	DATE

ITEM	SUB ITEM	PART	QUANTITY	DESCRIPTION	MATL.	UNIT MASS kg	TOTAL MASS kg
------	-------------	------	----------	-------------	-------	--------------------	---------------------

ORDERING SCHEDULE FOR SUPPLY TO THIS DRAWING

REVISES	No.	DATE	DESCRIPTION	GRID REF	BY	CHK'D	APPROVED			DATE	NAME	EDWARD L. BATEMAN LTD., ENGINEERS. P.O. BOX 565, BOKSBURG, SOUTH AFRICA.			SCALE	STATUS
							DEPT	DATE	SIGN							
	0	12.7.82	ISSUED FOR CONSTRUCTION												1:1	C
	B	14.6.82	GRIND NOTE ADDED IT.07, ALSO IT.08 DIM $\phi 33$ WAS $\phi 32 \pm 0.3$				MECH.	12/1/82	12/1/82							
	A	19.4.82	ISSUED FOR RILEY STOKER APPROVAL				ELECT					This drawing is the property of EDWARD L. BATEMAN LTD It is subject to return upon de mand, and may not be passed on to any third party, or used direct ly or indirectly for any other purpose than the manufacture or construction of equipment or in the design and installation of plant to the order of Edward L. Bate man Ltd			A3	REV
							INSTR									
REFERENCE DRAWINGS	K6078-A105-DAA		L.H. INLET/OUTLET BOX ASSY.				CIVIL					ESCOM - LETHABO POWER STATION INLET/OUTLET BOX LINER FASTENING DETAILS			SHEET	19 OF 19
	K6078-A108-DAA SH11		R.H. INLET/OUTLET BOX ASSY.				STRUCT									
							PROCESS					K6078-A108-DAA SH-19 OF 19			19 OF 19	A/B0
							PRO MNGR									





0.63/50419 Rev 3

QUALITY REQUIREMENTS NOT APPLICABLE ON THIS DRG.
ENG APP *[Signature]*
G.A APP *[Signature]* DATE 26-4-94

REFERENCES			THIS DRAWING AND COPYRIGHT THEREIN VESTS IN BATEMAN INDUSTRIAL HOLDINGS LTD (ACTING FOR AND ON BEHALF OF BATEMAN INDUSTRIAL HOLDINGS REG NO 54/03028/06) THE DRAUGHTSMAN OF THIS DRAWING, BY HIS SIGNATURE HERETO, HEREBY CONFIRMS HIS CESSION OF COPYRIGHT TO THE ABOVE MENTIONED COMPANIES THIS DRAWING IS THE PROPERTY OF BATEMAN INDUSTRIAL HOLDINGS LTD IT IS SUBJECT TO RETURN UPON DEMAND, AND MAY NOT BE PASSED ON TO ANY THIRD PARTY, OR USED DIRECTLY OR INDIRECTLY FOR ANY OTHER PURPOSE THAN THE MANUFACTURE OR CONSTRUCTION OF EQUIPMENT, OR IN THE DESIGN AND INSTALLATION OF PLANT TO THE ORDER OF BATEMAN INDUSTRIAL HOLDINGS LTD	GENERAL TOLERANCE				REVISION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															</
------------	--	--	--	-------------------	--	--	--	----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

A

B

C

D

E

F

A

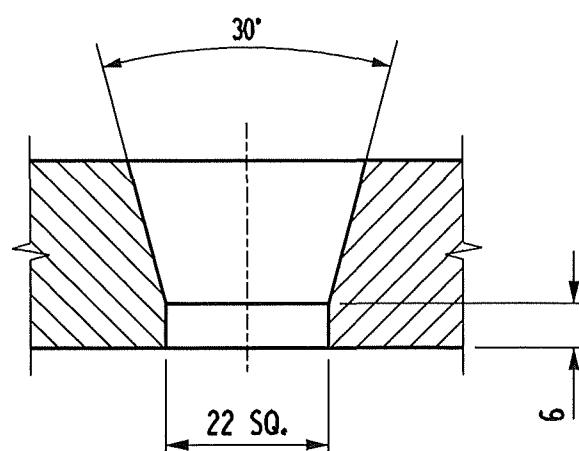
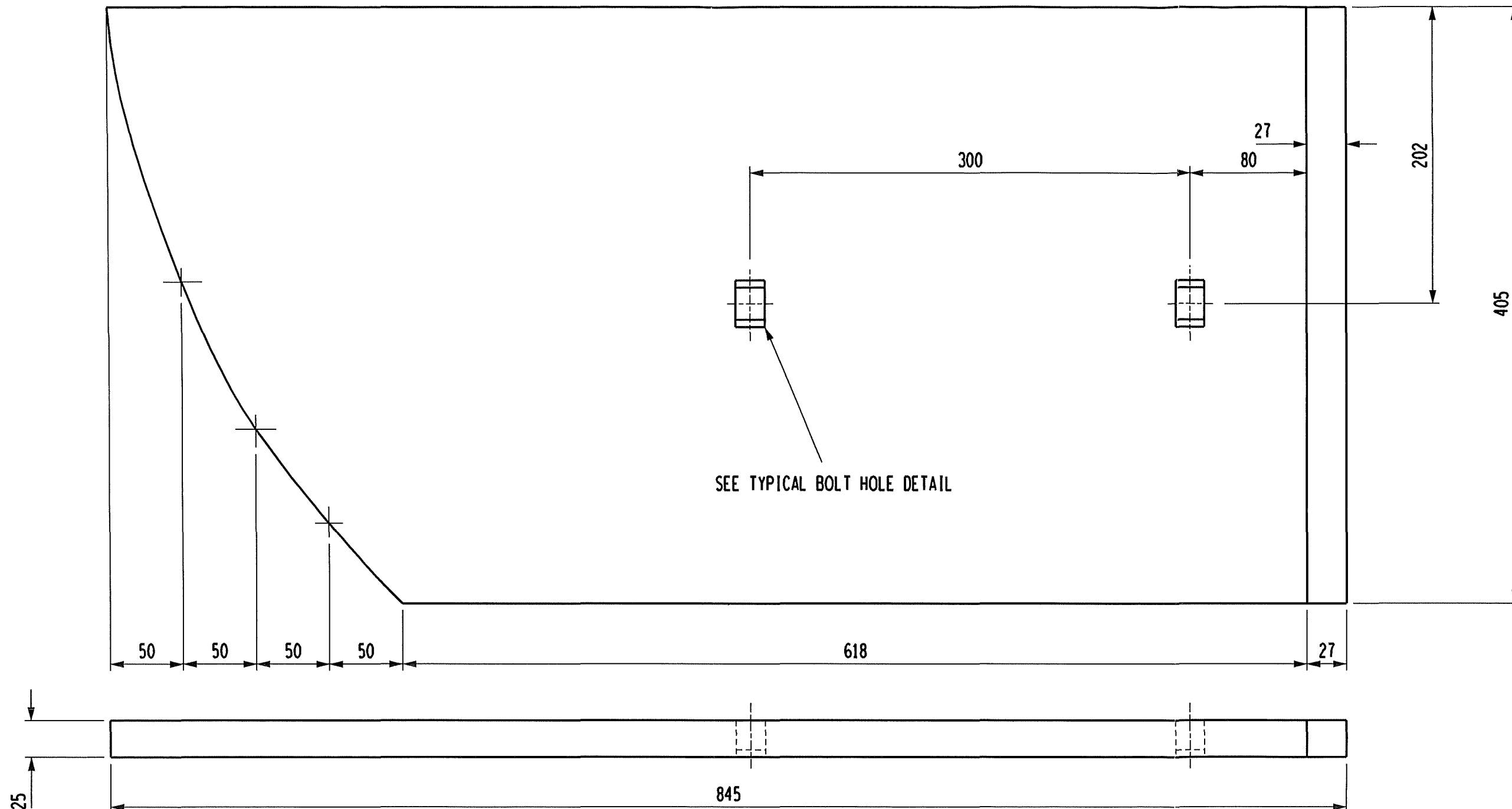
B

C

D

E

F




TYPICAL BOLT HOLE DETAIL

SCALE 1:1

NOTE:

1. LINERS 25 THK, MATERIAL HIGH CHROME TO BS 4844
2. MATERIAL :- HIGH CHROME TO BS 4844

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM.
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

								54763	MILL LINER KEY PLAN
DR 701	O	06.12.2001	FIRST ISSUE			VICKY	J FOX	H VERHOEF	50419 INLET/OUTLET BOX LINER
			** REVISION **			REV BY	CHKD BY	AUTH BY	KKS APP
			INDEX REFERENCE : B2.4			54782 INLET/OUTLET BOX LINER			
			0.63 REFERENCE DRAWINGS						
DRG REGISTR		06.12.2001	DR701	<div> ESKOM</div> <div>LETHABO POWER STATION BOILER PLANT DETAIL OF MILL INLET/OUTLET BOX LINER REF No. 0037763</div>					
KKS APP									
AUTH BY	06.12.2001	H.V.							
CHKD BY	28 11 01	J.S.F							
DRAWN BY	23 11 01	VICKY							
			APPROVED BY : H VERHOEF		A VAN HEERDEN		0.63 / 54770		REV 0
SCALE	1:30		06/12/2001		06/12/2001				

LETHABO POWER STATION
BOILER PLANT
DETAIL OF MILL INLET/OUTLET BOX LINER
REF No. 0037763

SIZE
GROOTTE A3L

A

B

C

D

E

F

A

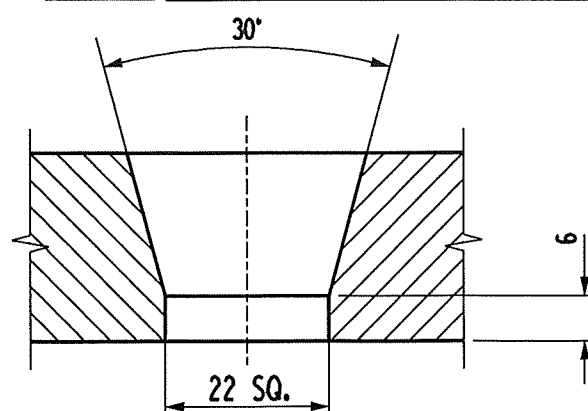
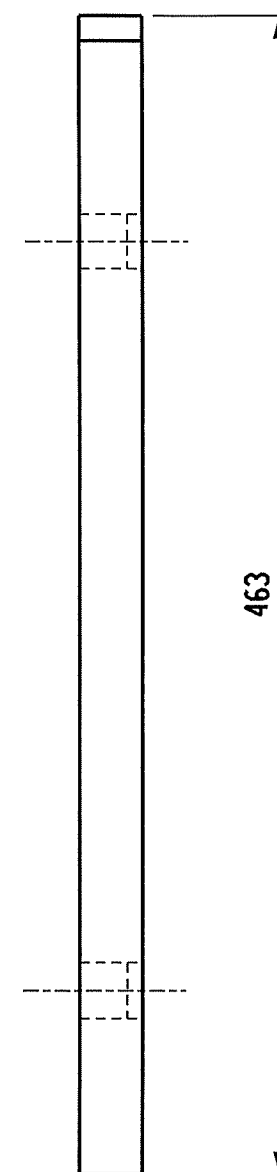
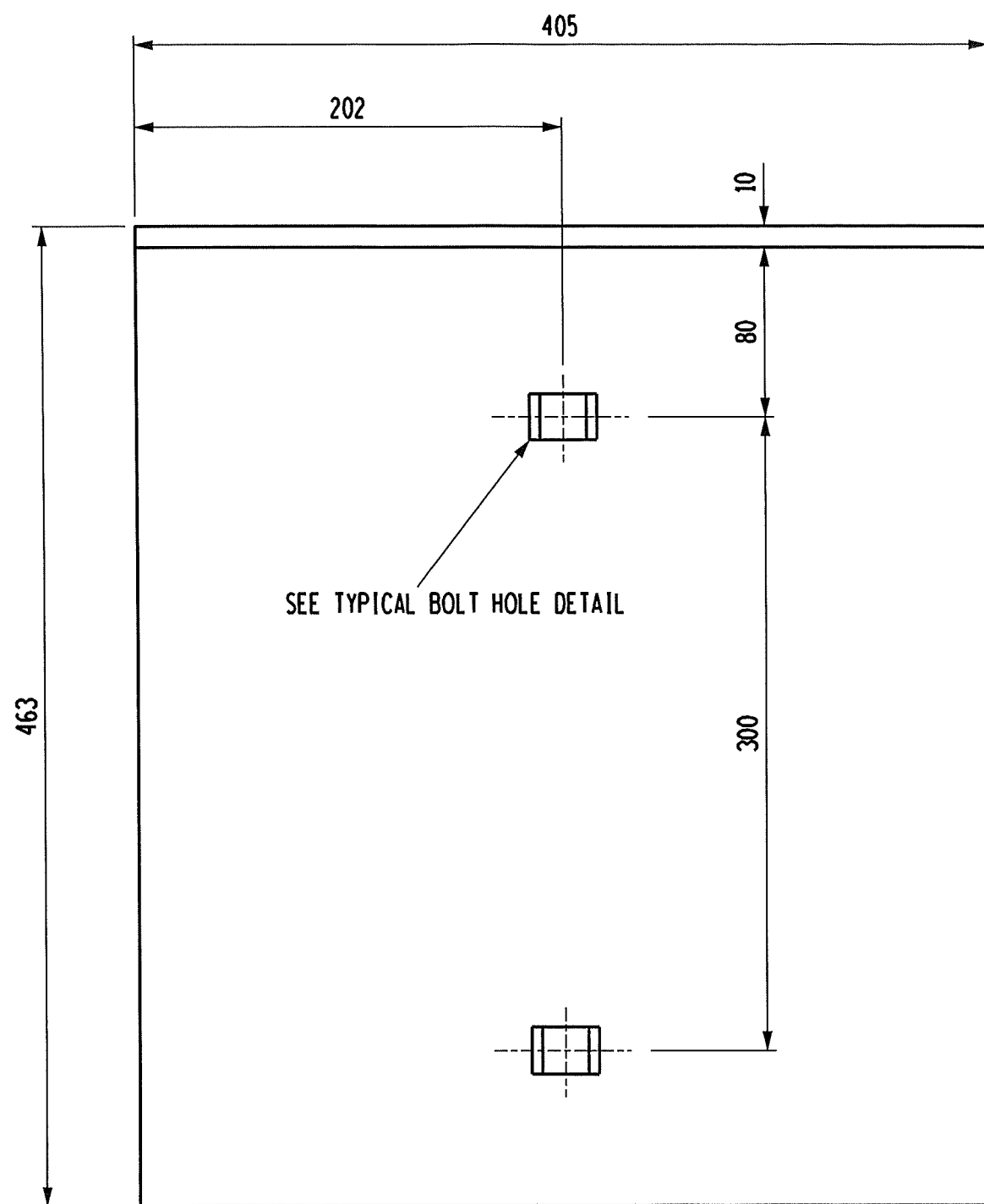
B

C

D

E

F




TYPICAL BOLT HOLE DETAIL

SCALE 1:1

NOTE:

1. LINERS 25 THK.
2. MATERIAL HIGH CHROME TO BS 4844

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM.
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

DR 701		O	06.12.2001	FIRST ISSUE		VICKY	J FOX	H VERHOEF	50419	MILL LINER KEY PLAN	
D.O.		REV	DATE	** REVISION **		REV BY	CHKD BY	AUTH BY	KKS APP	54782	INLET/OUTLET BOX LINER
				INDEX REFERENCE : B2.4						0.63	REFERENCE DRAWINGS
DRG REGISTR			06.12.2001	DR701		<div>ESKOM</div> <div>LETHABO POWER STATION BOILER PLANT DETAIL OF MILL INLET/OUTLET BOX LINER REF.No 0037769</div> <div>SHEET 2 OF 2</div>					
KKS APP											
AUTH BY			06.12.2001	H.V.							
CHKD BY			29 29 01	J.S.FOX							
DRAWN BY			23 11 01	VICKY		APPROVED BY : H VERHOEF		A VAN HEERDEN		0.63 / 54779	
SCALE		1:30		06/12/2001		06/12/2001				0	

1

2

3

4

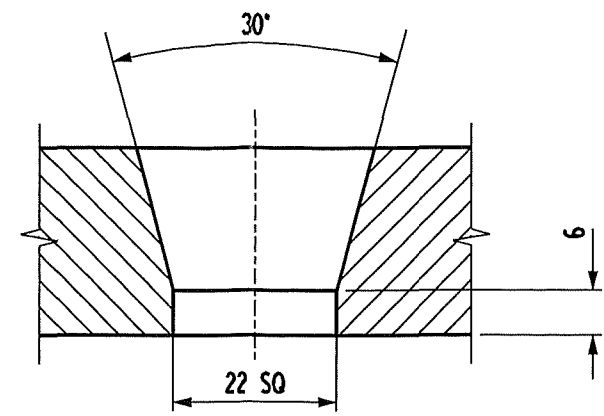
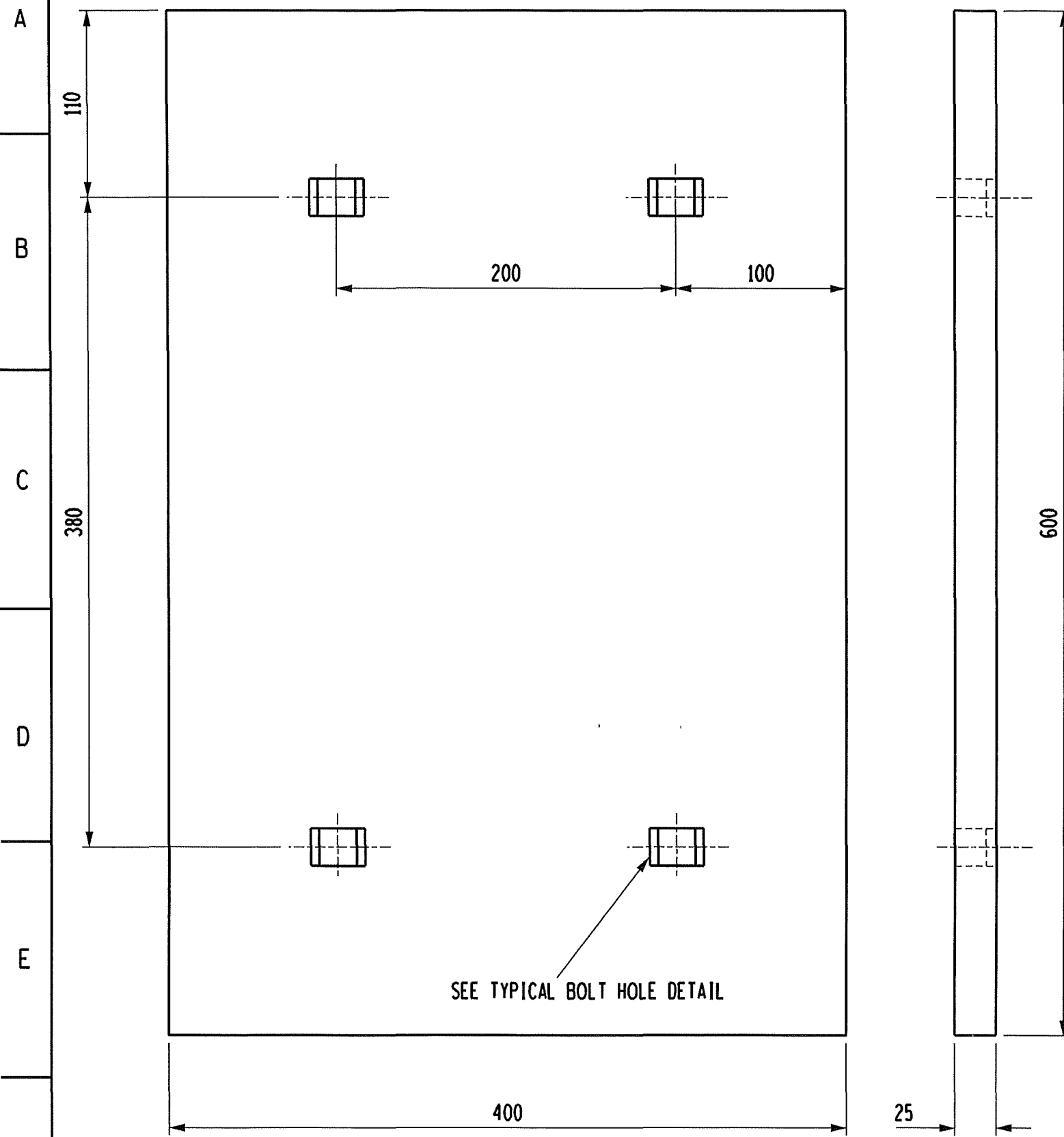
5

6

7

8

SIZE
GROOTTE A3L




TYPICAL BOLT HOLE DETAIL
SCALE 1:1

- NOTE:**
- 1. LINERS 25 THK.
 - 2. MATERIAL HIGH CHROME TO BS 4844

SEE TYPICAL BOLT HOLE DETAIL

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM.
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

							54763	MILL LINER KEY PLAN		
							50419	INLET/OUTLET BOX LINER		
							54782	INLET/OUTLET BOX LINER		
DR 701	O	06.12.2001	FIRST ISSUE				VICKY	J FOX	H VERHOEF	
D.O.	REV	DATE	** REVISION **				REV BY	CHKD BY	AUTH BY	KKS APP
			INDEX REFERENCE : B2.4				0-63 REFERENCE DRAWINGS			
DRG REGISTR		06.12.2001	DR701	<div> ESKOM</div> <div>LETHABO POWER STATION BOILER PLANT DETAIL OF MILL INLET/OUTLET BOX LINER REF.No. 0037771</div>						
KKS APP										
AUTH BY	06.12.2001	H.V.								
CHKD BY	29 11 01	J.S.FOX								
DRAWN BY	23 11 01	VICKY	APPROVED BY :		H VERHOEF		A VAN HEERDEN		0-63 / 54778	
SCALE	1:30		06/12/2001		06/12/2001				REV 0	



LETHABO POWER STATION
BOILER PLANT
DETAIL OF MILL INLET/OUTLET BOX LINER
REF.No. 0037771

APPROVED BY :	A VAN HEERDEN	0-63 / 54778	REV
H VERHOEF	06/12/2001		0

A

B

C

D

E

F

A

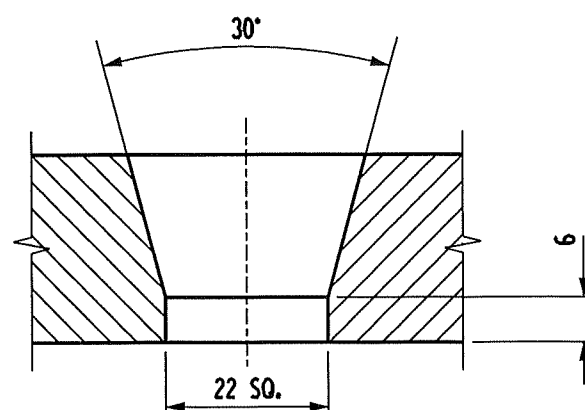
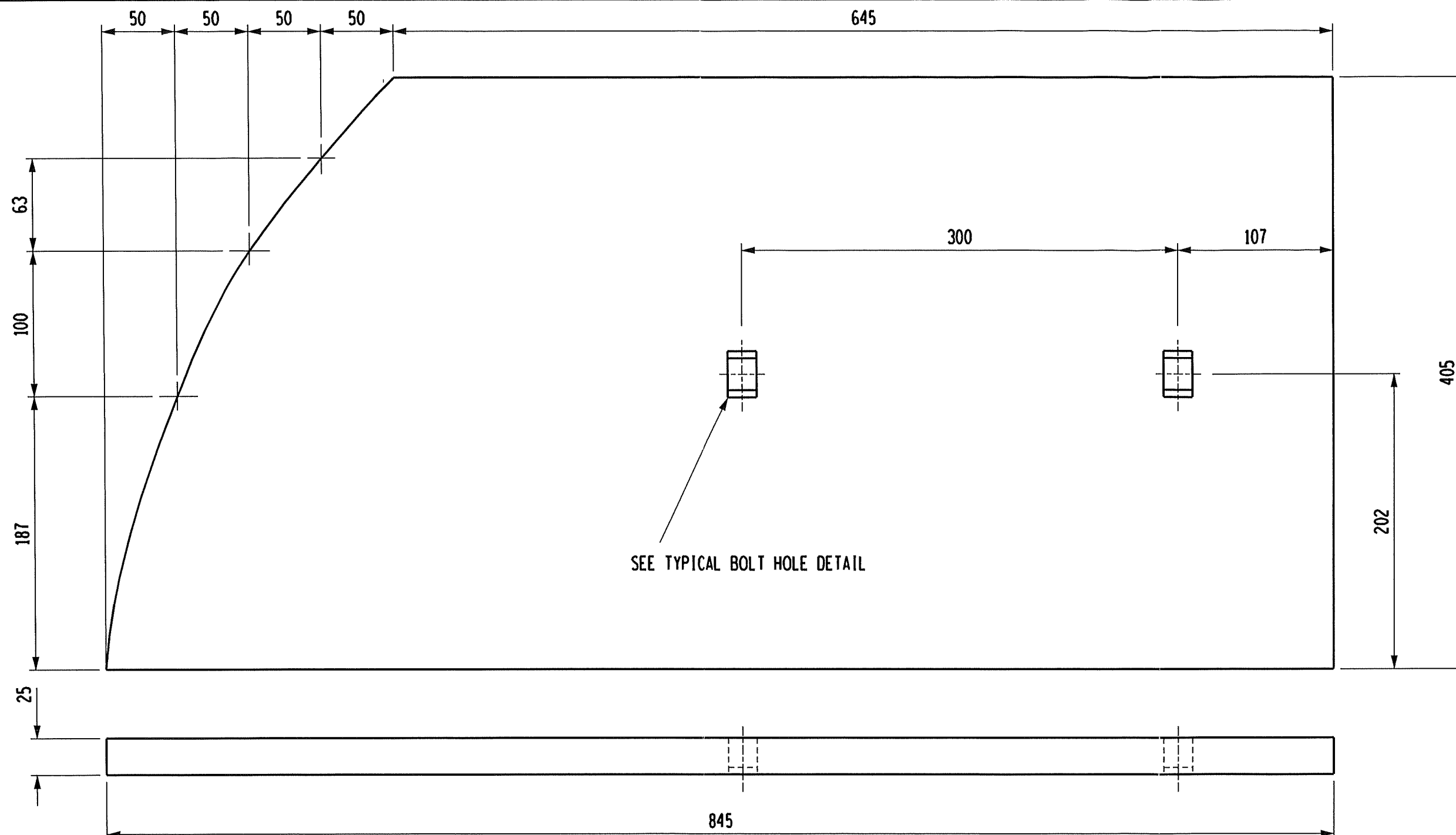
B

C

D

E

F




TYPICAL BOLT HOLE DETAIL

SCALE 1:1

NOTE:

1. LINERS 25 THK, MATERIAL HIGH CHROME TO BS 4844
2. MATERIAL :- HIGH CHROME TO BS 4844

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM.
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

									54763	MILL LINER KEY PLAN		
DR 701	O	06.12.2001	FIRST ISSUE			VICKY	J FOX	H VERHOEF	50419	INLET/OUTLET BOX LINER		
D.O.	REV	DATE	** REVISION **			REV BY	CHKD BY	AUTH BY	KKS APP	54782	INLET/OUTLET BOX LINER	
			INDEX REFERENCE : B2.4								0-63	REFERENCE DRAWINGS
DRG REGISTR		06.12.2001	DR701	<div> ESKOM</div> <div>LETHABO POWER STATION BOILER PLANT DETAIL OF MILL INLET/OUTLET BOX LINER REF No. 0037776</div>								
KKS APP												
AUTH BY	06.12.2001	H.V.										
CHKD BY	28 11 01	J.S.F										
DRAWN BY	23 11 01	VICKY										
SCALE	1:30		APPROVED BY : H VERHOEF		A VAN HEERDEN		0-63 / 54769			REV 0		
			06/12/2001		06/12/2001							

A

B

C

D

E

F

A

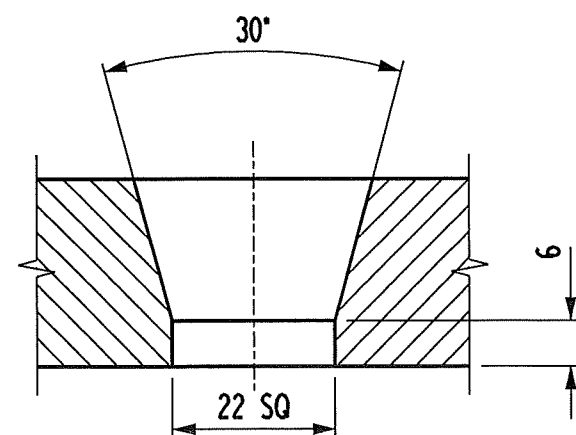
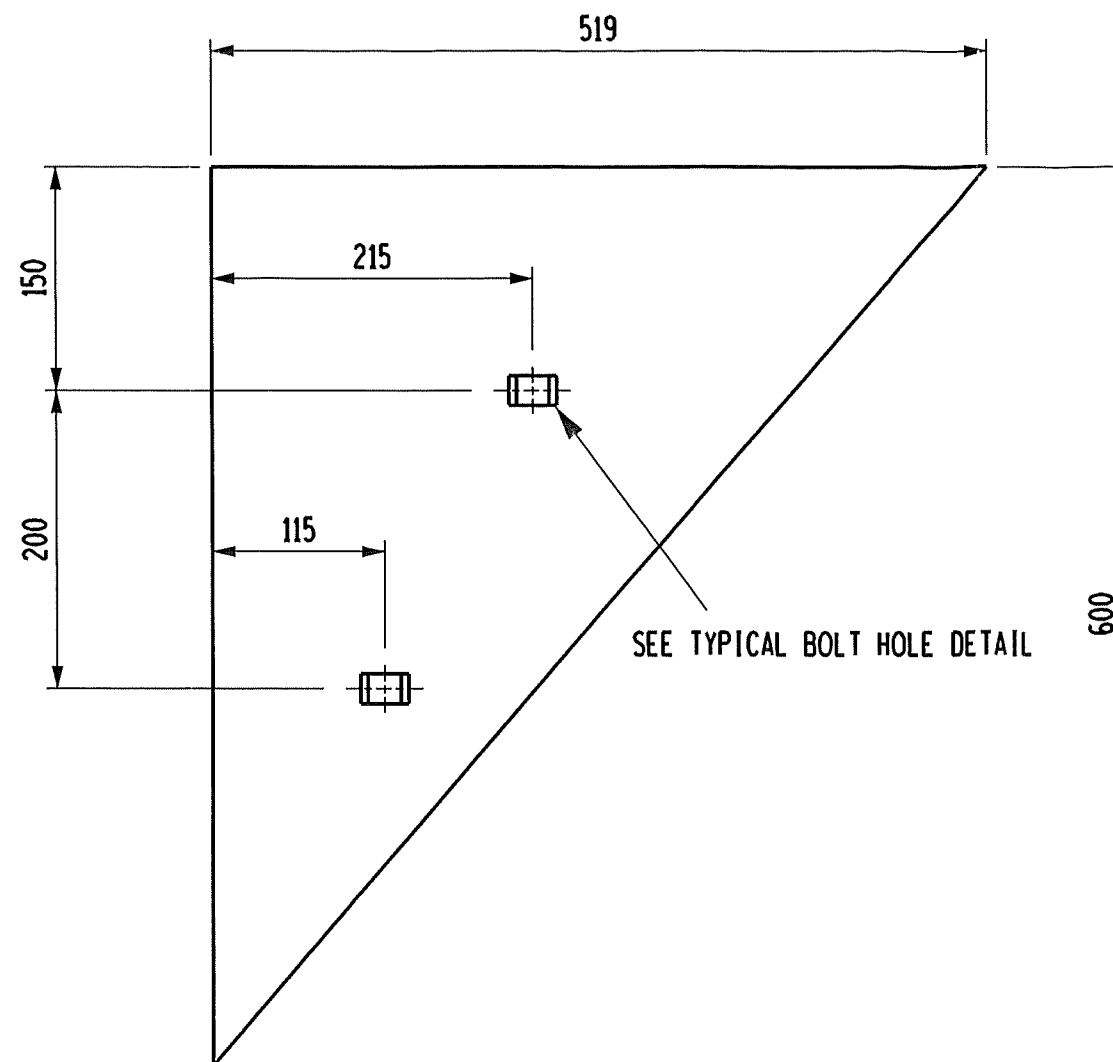
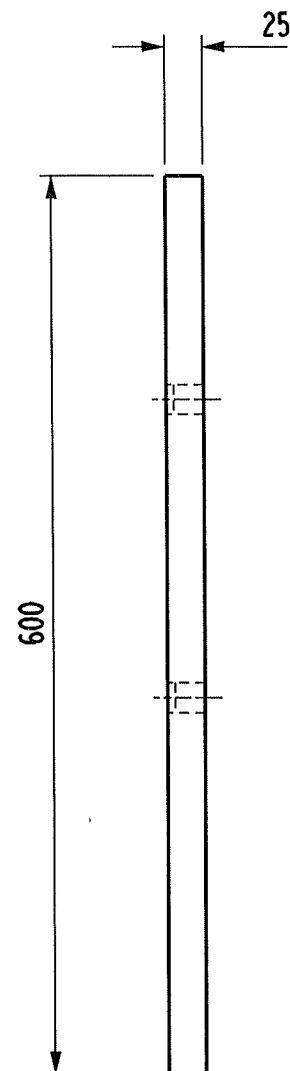
B

C

D

E

F




TYPICAL BOLT HOLE DETAIL

SCALE 1:1

NOTE:

1. LINERS 25 THK, MATERIAL HIGH CHROME TO BS 4844
2. MATERIAL:- HIGH CHROME TO BS 4844

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM.
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

									54763	MILL LINER KEY PLAN
									50419	INLET/OUTLET BOX-LINER
DR 701	O	06.12.2001	FIRST ISSUE			VICKY	J FOX	H VERHOEF	54782	INLET/OUTLET BOX-LINER
D.O.	REV	DATE	** REVISION **			REV BY	CHKD BY	AUTH BY	KKS APP	0-63 REFERENCE DRAWINGS
			INDEX REFERENCE : B2.4							
DRG REGISTR		06.12.2001	DR701	 ESKOM	LETHABO POWER STATION BOILER PLANT DETAIL OF MILL INLET/OUTLET BOX LINER REF No. 0037756 SHEET 1 OF 2					
KKS APP										
AUTH BY	06.12.2001	H.V.								
CHKD BY	23 11 01	J.S.F								
DRAWN BY	23 11 01	VICKY	APPROVED BY : H VERHOEF		A VAN HEERDEN		0-63 / 54776		REV 0	
SCALE	1:50		06/12/2001		06/12/2001					

LETHABO POWER STATION
BOILER PLANT
DETAIL OF MILL INLET/OUTLET BOX LINER
REF No. 0037756 SHEET 1 OF 2

1

2

3

4

5

6

7

8

SIZE
GROOTTE A3L

A

B

C

D

E

F

A

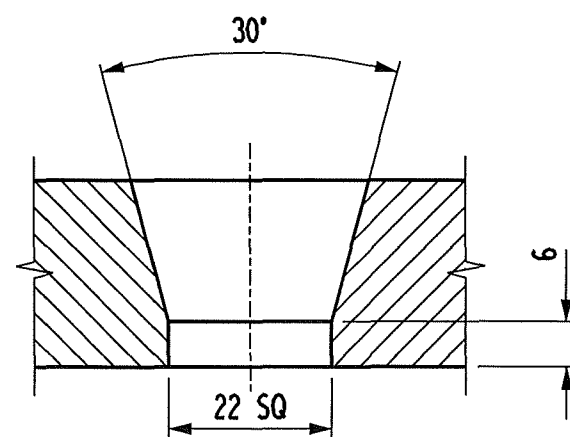
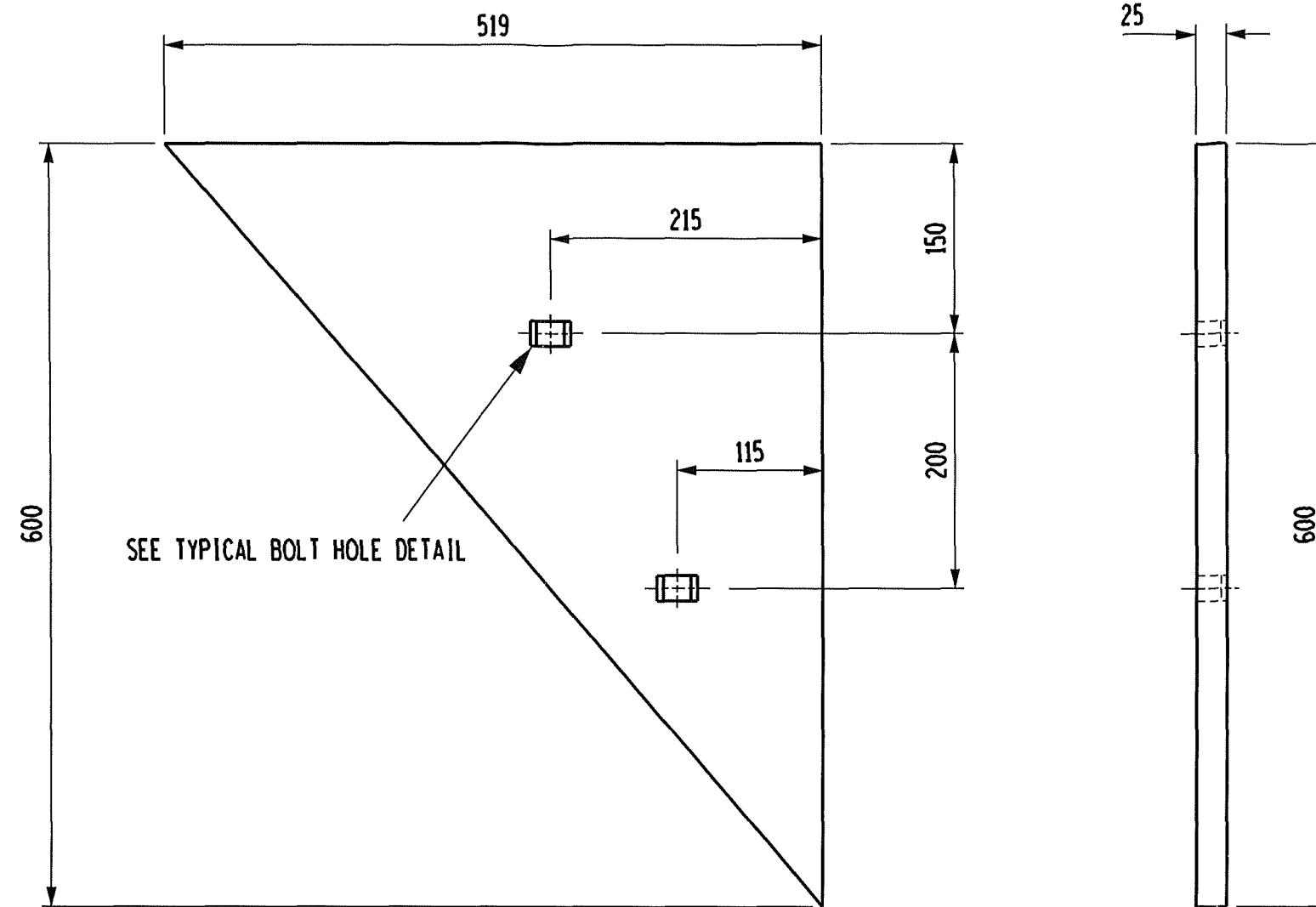
B

C

D

E

F




TYPICAL BOLT HOLE DETAIL

SCALE 1:1

NOTE:

1. LINERS 25 THK, MATERIAL HIGH CHROME TO BS 4844
2. MATERIAL:- HIGH CHROME TO BS 4844

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM.
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

									54763	MILL LINER KEY PLAN
									50419	INLET/OULET BOX-LINER
DR 701	0	06.12.2001	FIRST ISSUE			VICKY	J FOX	H VERHOEF	54782	INLET/OULET BOX-LINER
D.O.	REV	DATE	** REVISION **			REV	CHKD	AUTH	KKS	0.63 REFERENCE DRAWINGS
			INDEX REFERENCE : B2.4			BY	BY	BY	APP	
DRG REGISTR		06.12.2001	DR701	 ESKOM	LETHABO POWER STATION BOILER PLANT DETAIL OF MILL INLET/OUTLET BOX LINER REF No. 0037754 SHEET 2 OF 2					
KKS APP										
AUTH BY	06.12.2001	H.V.								
CHKD BY	23 11 01	J.S.F								
DRAWN BY	23 11 01	VICKY	APPROVED BY : H VERHOEF	A VAN HEERDEN		0.63 / 54776				REV 0
SCALE	1:50		06/12/2001	06/12/2001						

1

2

3

4

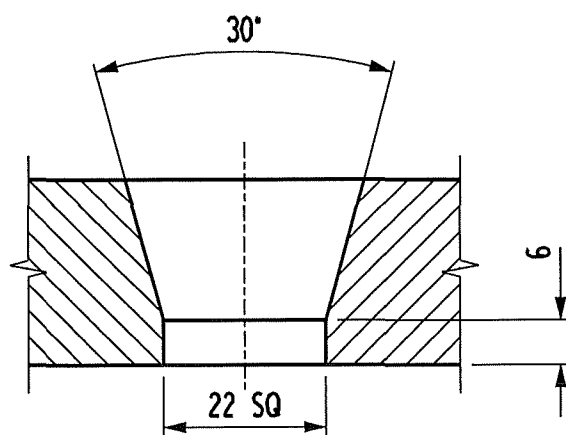
5

6

7

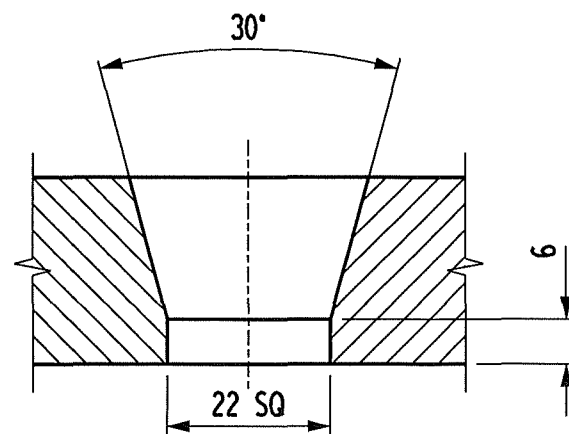
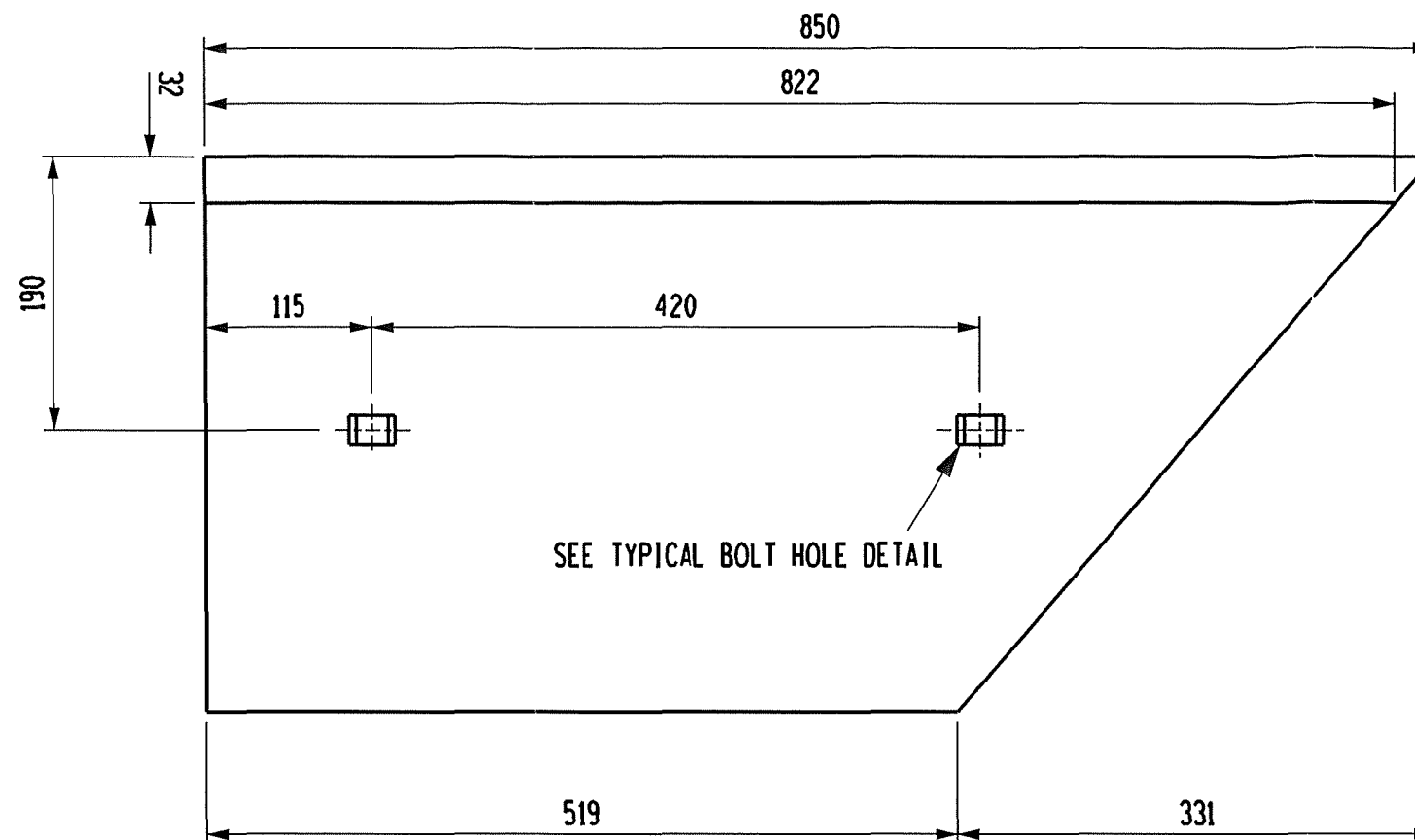
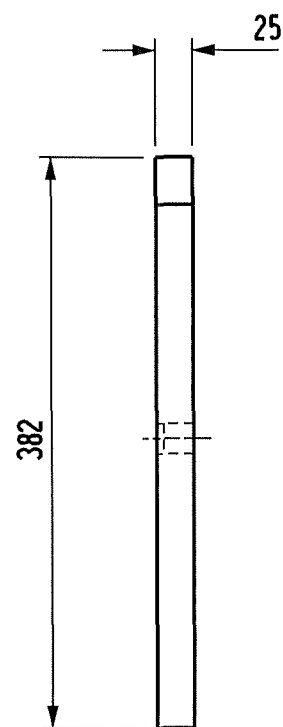
8

SIZE
GROOTTE A3L



THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM.
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

1	2	3	4	5	6	7	8	SIZE GROOTTE	A3L
---	---	---	---	---	---	---	---	-----------------	-----




TYPICAL BOLT HOLE DETAIL

SCALE 1:1

NOTE:

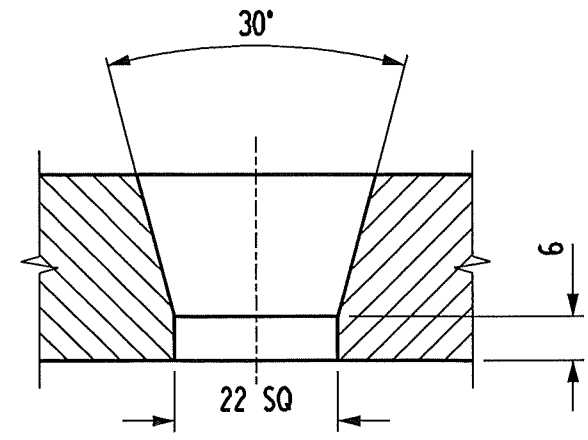
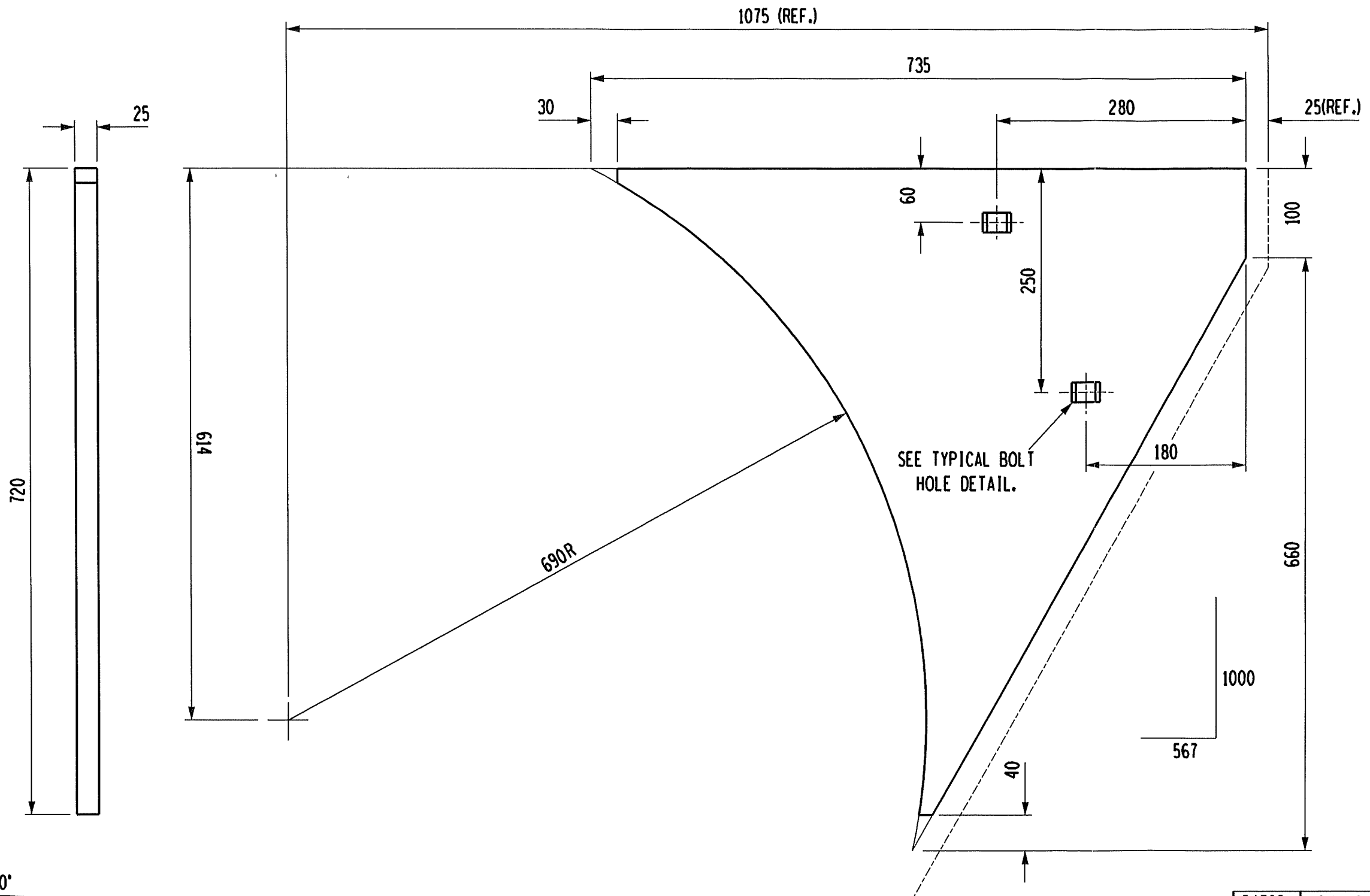
1. LINERS 25 THK, MATERIAL HIGH CHROME TO BS 4844
2. MATERIAL:- HIGH CHROME TO BS 4844

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM.
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

									54763	MILL LINER KEY PLAN
DR 701	0	06.12.2001	FIRST ISSUE	VICKY	J FOX	H VERHOEF			50419	INLET/OUTLET BOX LIN
D.O.	REV	DATE	** REVISION **	REV BY	CHKD BY	AUTH BY	KKS APP		54782	INLET/OUTLET BOX LIN
			INDEX REFERENCE : B2.4						0-63	REFERENCE DRAWINGS
DRG REGISTR		06.12.2001	DR701	<div> ESKOM</div> <div>LETHABO POWER STATION BOILER PLANT DETAIL OF MILL INLET/OUTLET BOX LINER REF No. 0037755 SHEET 1 OF 2</div>						
KKS APP										
AUTH BY	06.12.2001	H.V.								
CHKD BY	28 11 01	J.S.F								
DRAWN BY	23 11 01	VICKY	APPROVED BY : H VERHOEF	A VAN HEERDEN		0-63 / 54775			REV	0
SCALE	1:50		06/12/2001	06/12/2001						

A
B
C
D
E
F


A
B
C
D
E
F



TYPICAL BOLT HOLE DETAIL
SCALE 1:1

NOTE:
1. LINERS 25 THK.
2. MATERIAL HIGH CHROME TO BS 4844

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM.
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

								54763		MILL LINER KEY PLAN									
								50419		INLET/OUTLET BOX-LINER									
DR 701		O		06.12.2001		FIRST ISSUE		VICKY		J FOX		H VERHOEF		54782		INLET/OUTLET BOX-LINER			
D.O.		REV		DATE		** REVISION **		REV BY		CHKD BY		AUTH BY		KKS APP		0-63		REFERENCE DRAWINGS	
						INDEX REFERENCE : B2.4													
DRG REGISTR				06.12.2001		DR701		 ESKOM		LETHABO POWER STATION BOILER PLANT DETAIL OF MILL INLET/OUTLET BOX LINER REF.No. 0037767 SHEET 1 OF 2									
KKS APP																			
AUTH BY		06.12.2001		H.V.															
CHKD BY		29 11 01		J.S.Fox															
DRAWN BY		23 11 01		VICKY		APPROVED BY : H VERHOEF		A VAN HEERDEN		0-63 / 54777						REV 0			
SCALE				1:50		06/12/2001		06/12/2001											

A

B

C

D

E

F

A

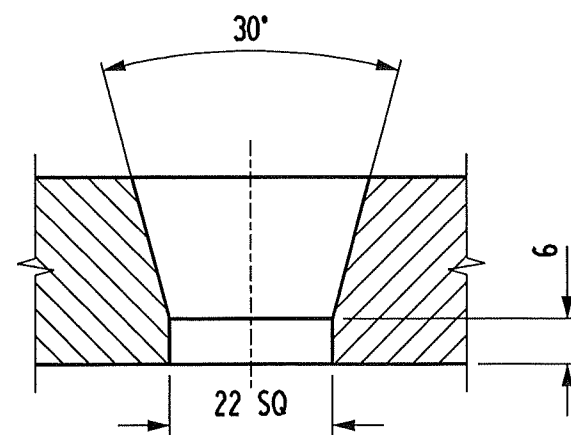
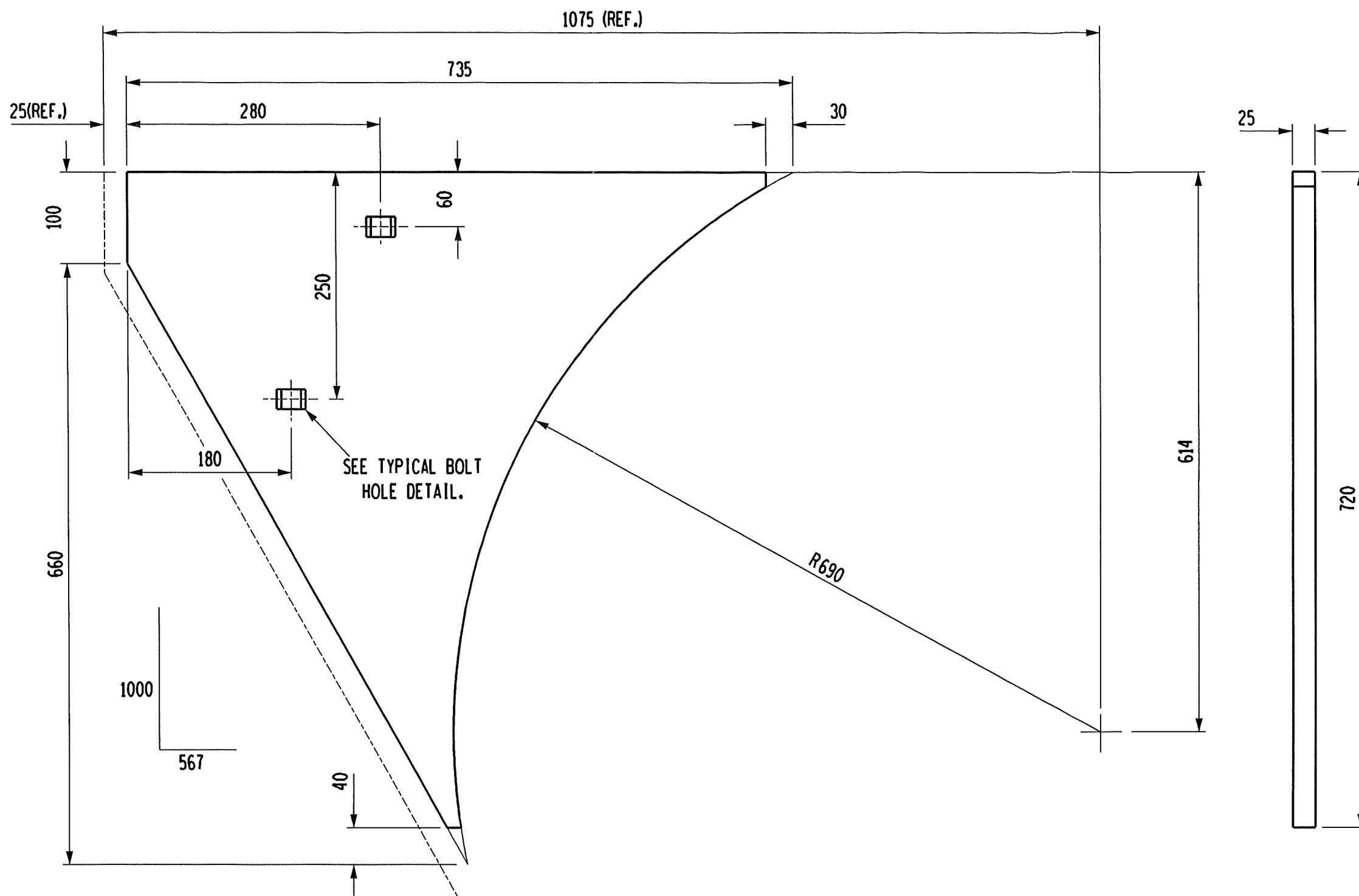
B

C

D

E

F




TYPICAL BOLT HOLE DETAIL

SCALE 1:1

NOTE:

1. LINERS 25 THK.
2. MATERIAL HIGH CHROME TO BS 4844

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM.
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

DR 701	O	06.12.2001	FIRST ISSUE	VICKY	J FOX	H VERHOEF	50419	INLET/OUTLET BOX-LINER		
D.O.	REV	DATE	** REVISION **	REV BY	CHKD BY	AUTH BY	KKS APP	54782	INLET/OUTLET BOX-LINER	
			INDEX REFERENCE : B2.4						0-63	REFERENCE DRAWINGS
DRG REGISTR	06.12.2001	DR701	 ESKOM	LETHABO POWER STATION BOILER PLANT DETAIL OF MILL INLET/OUTLET BOX LINER REF.No. 0037766 SHEET 2 OF 2						
KKS APP										
AUTH BY	06.12.2001	H.V.								
CHKD BY	29 11 01	J.S.Fox								
DRAWN BY	23 11 01	VICKY								
SCALE	1:50		APPROVED BY : H VERHOEF	A VAN HEERDEN		0-63 / 54777		REV	0	
			06/12/2001	06/12/2001						

1

2

3

4

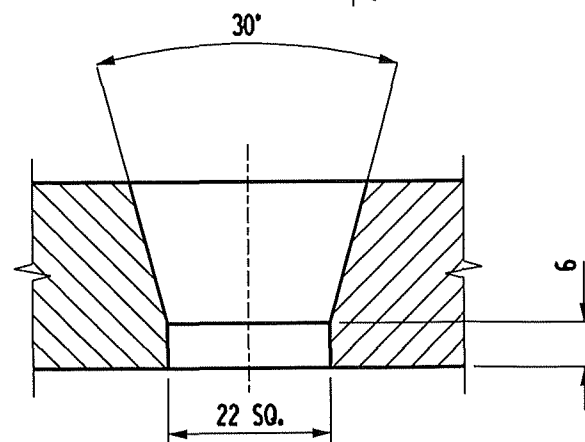
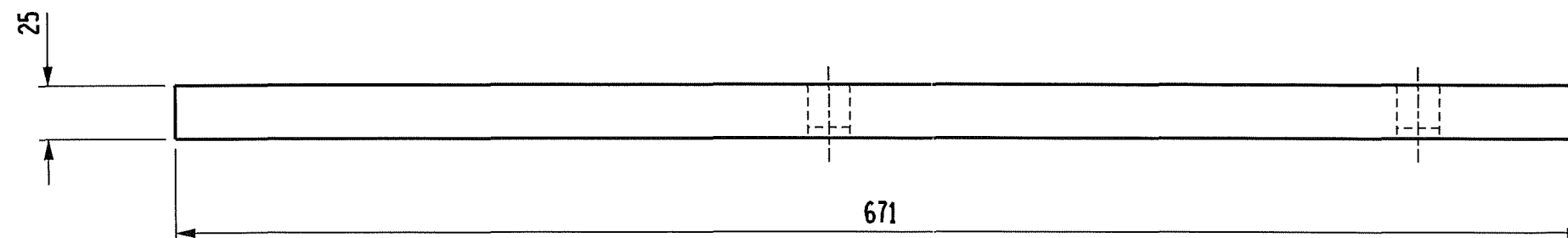
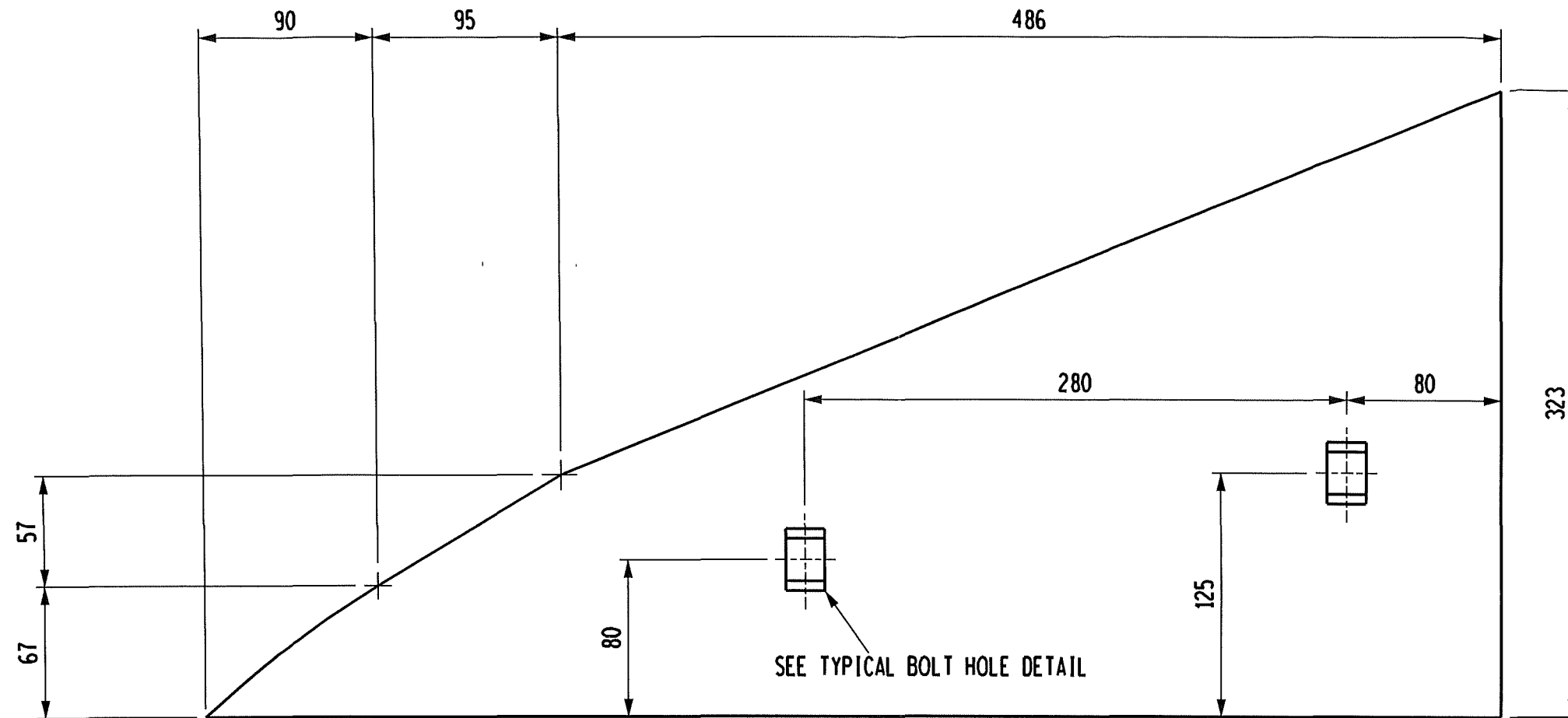
5

6

7

8

SIZE
GROOTTE A3L




TYPICAL BOLT HOLE DETAIL

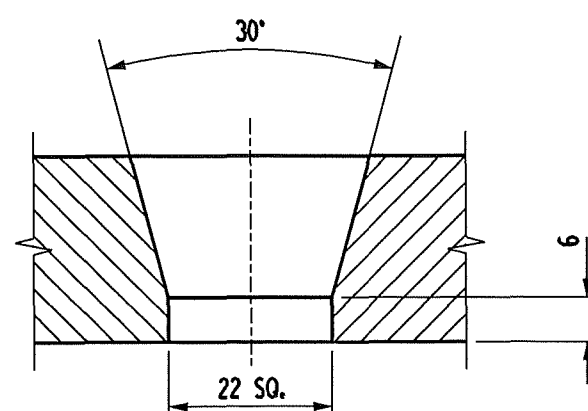
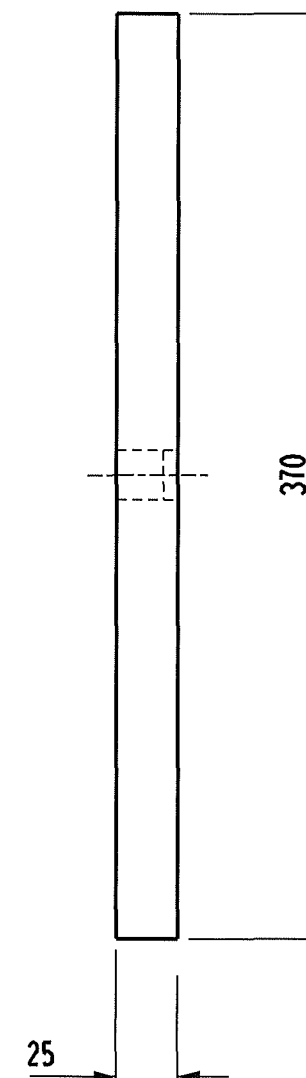
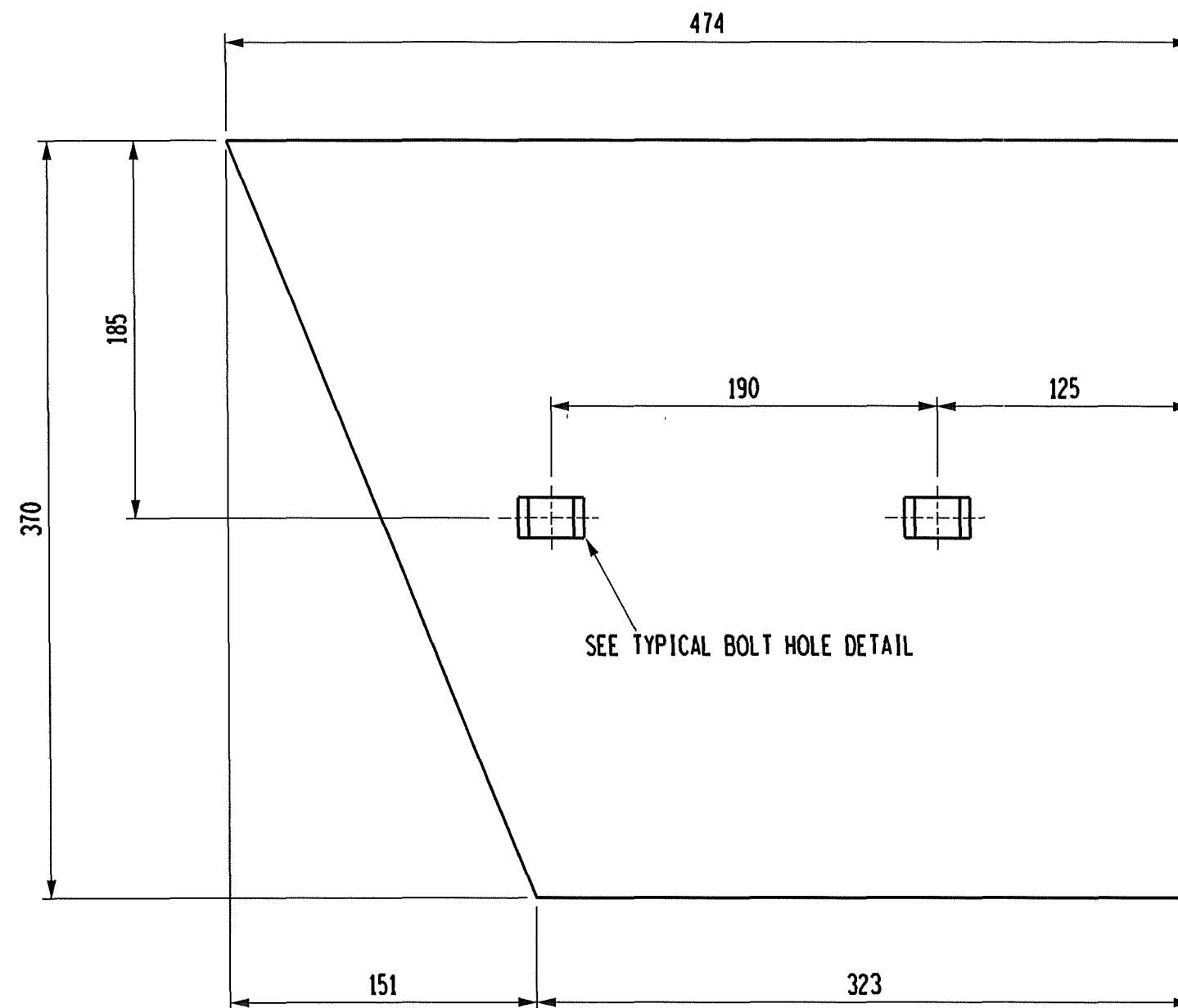
SCALE 1:1

NOTE:

1. LINERS 25 THK, MATERIAL HIGH CHROME TO BS 4844
2. MATERIAL:- HIGH CHROME TO BS 4844

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM.
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

								54763	MILL LINER KEY PLAN
DR 701	0	06.12.2001	FIRST ISSUE	VICKY	J FOX	H VERHOEF		50419	INLET/OUTLET BOX LINER
								54782	INLET/OUTLET BOX LINER
D.O.	REV	DATE	** REVISION **	REV BY	CHKD BY	AUTH BY	KKS APP	0.63 REFERENCE DRAWINGS	
			INDEX REFERENCE : B2.4						
DRG REGISTR	12.11.2001	DR701	 ESKOM	LETHABO POWER STATION BOILER PLANT DETAIL OF MILL INLET/OUTLET BOX LINER REF No. 0037764					
KKS APP									
AUTH BY									
CHKD BY	28 11 01	J.S.F							
DRAWN BY	23 11 01	VICKY	APPROVED BY : H VERHOEF	A VAN HEERDEN		0.63 / 54768			REV 0
SCALE	1:30		06/12/2001	06/12/2001					




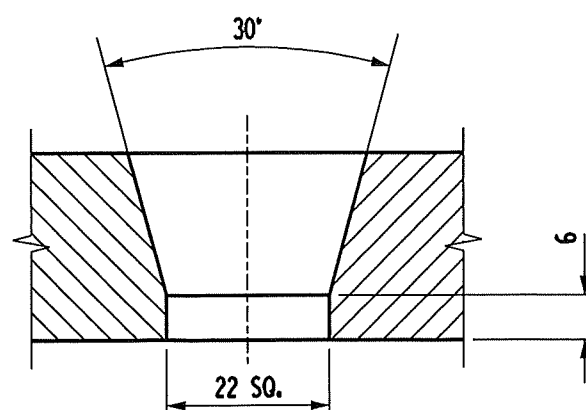
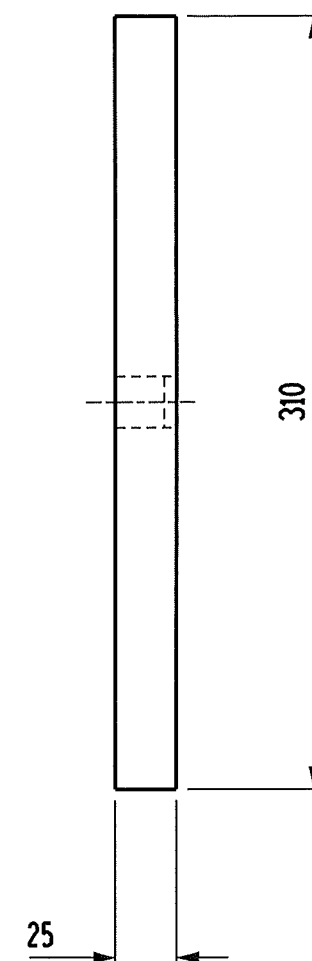
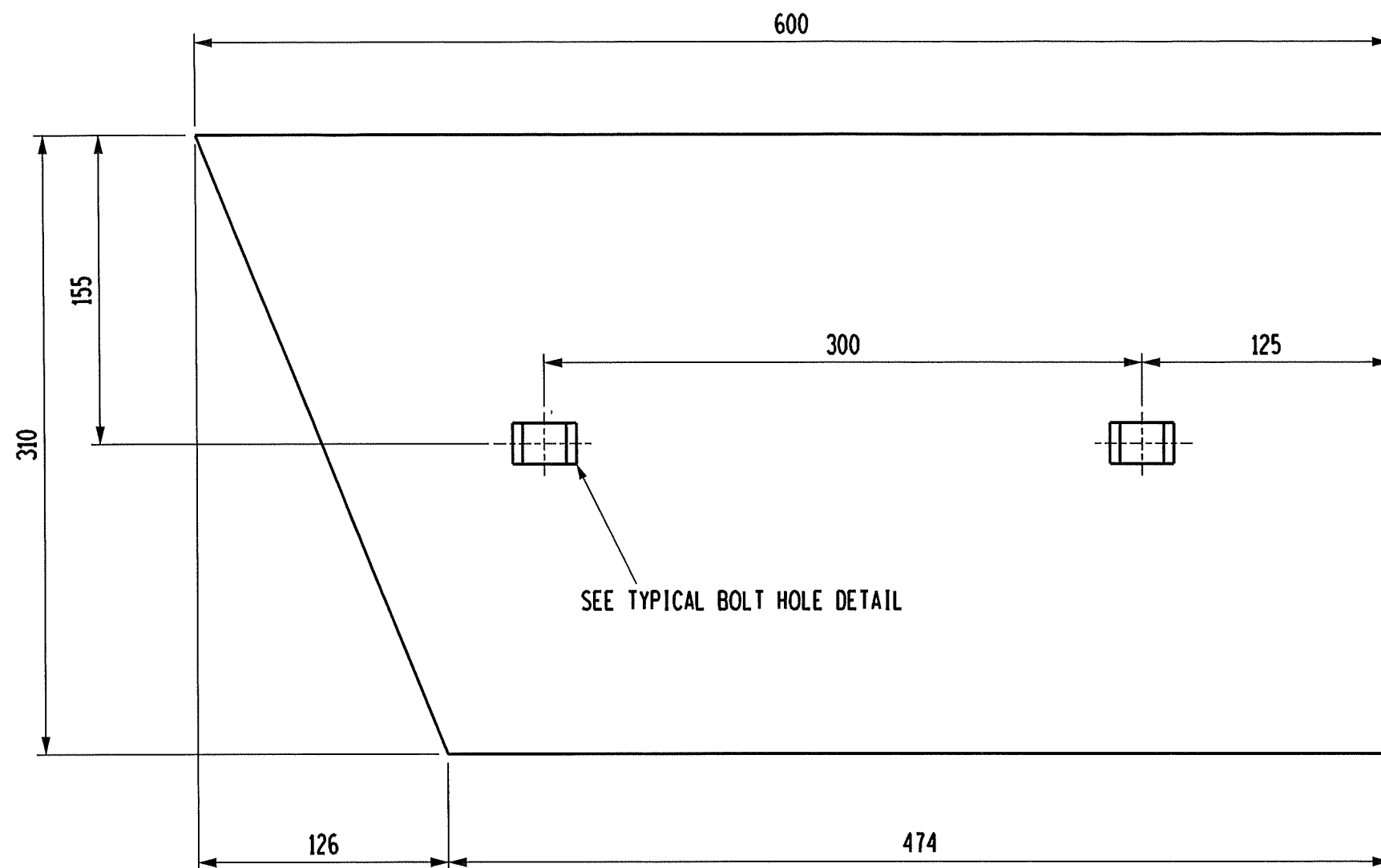
TYPICAL BOLT HOLE DETAIL
SCALE 1:1

NOTE:

1. LINERS 25 THK, MATERIAL HIGH CHROME TO BS 4844
2. MATERIAL HIGH CHROME TO BS 4844

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM.
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

										54763	MILL LINER KEY PLAN	
DR 701	0	06.12.2001	FIRST ISSUE			VICKY	J FOX	H VERHOEF		50419	INLET/OUTLET BOX LINER	
D.O. REV DATE			** REVISION **			REV BY	CHKD BY	AUTH BY	KKS APP	54782	INLET/OUTLET BOX LINER	
			INDEX REFERENCE : B2.4									
DRG REGISTR	06.12.2001		<div> ESKOM</div> <div>LETHABO POWER STATION BOILER PLANT DETAIL OF MILL INLET/OUTLET BOX LINER REF No. 0037772</div>									
KKS APP												
AUTH BY	06.12.2001	H.V.										
CHKD BY	28 11 01	J.S.F										
DRAWN BY	23 11 01	VICKY	APPROVED BY : H VERHOEF			A VAN HEERDEN			0.63 / 54767			REV 0
SCALE	1:30		06/12/2001			06/12/2001						



TYPICAL BOLT HOLE DETAIL
SCALE 1:1

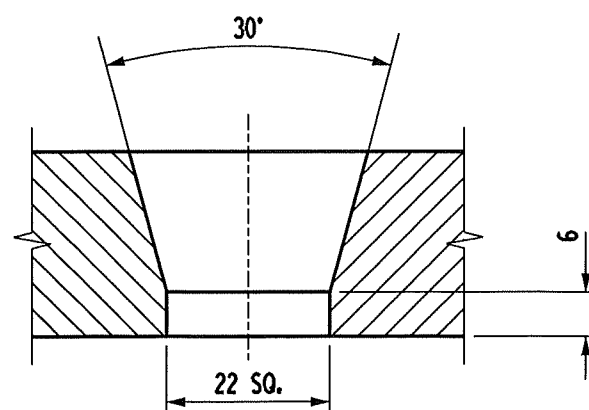
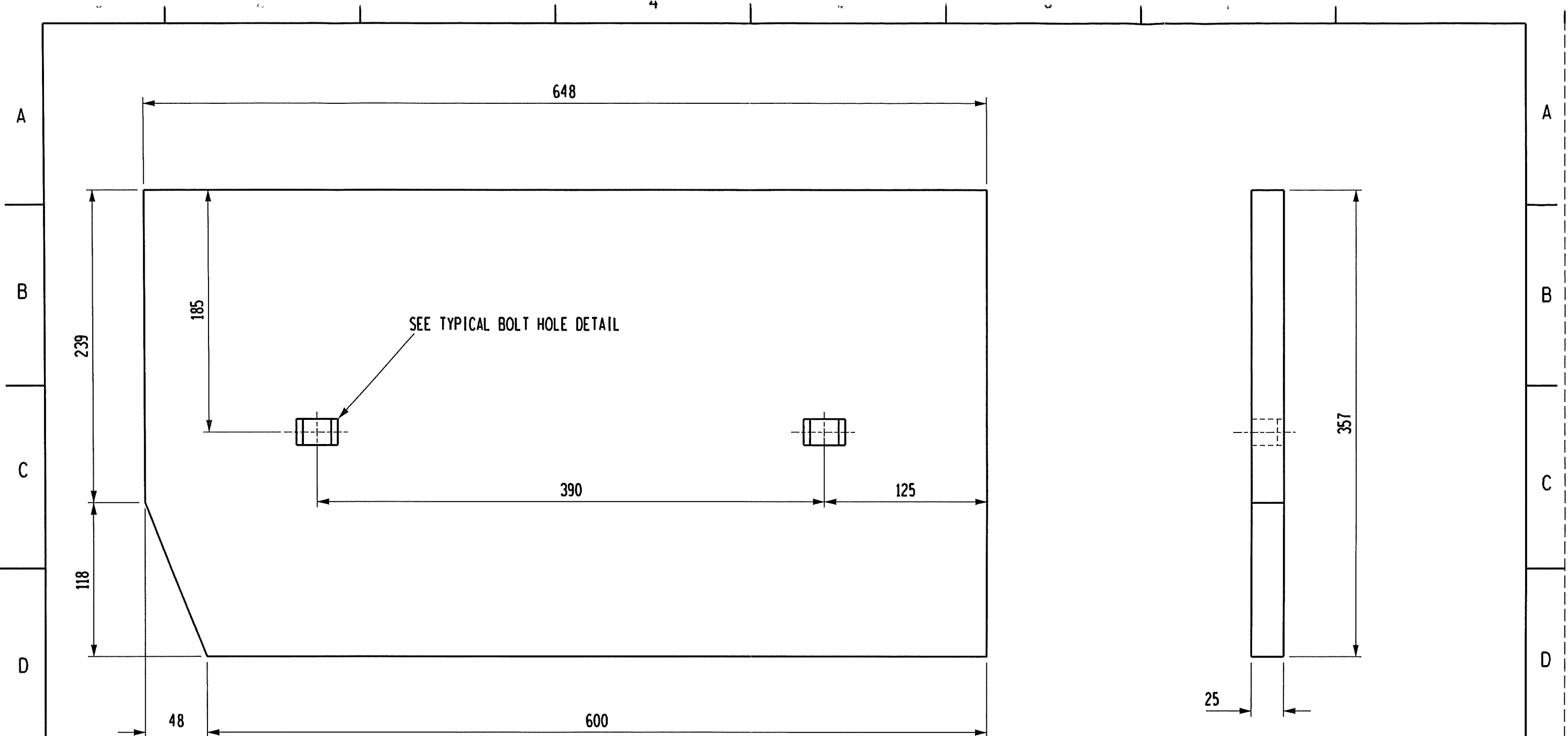
NOTE:

1. LINERS 25 THK, MATERIAL HIGH CHROME TO BS 4844
2. MATERIAL :- HIGH CHROME TO BS 4844

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM.
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

								54763	MILL LINER KEY PLAN
								50419	INLET/OUTLET BOX LINER
DR 701		0		6.12.2001		FIRST ISSUE		VICKY	J FOX
D.O.		REV		DATE		** REVISION **		REV BY	CHKD BY
						INDEX REFERENCE : B2.4		AUTH BY	KKS APP
DRG REGISTR		12.11.2001		DR701				54782	INLET/OUTLET BOX LINER
KKS APP								0.63	
AUTH BY		6.12.2001		H.V.					
CHKD BY		28 11 01		J.S.F					
DRAWN BY		23 11 01		VICKY		APPROVED BY :			
SCALE		1:30				H VERHOEF		A VAN HEERDEN	
						06/12/2001		06/12/2001	
								0.63 / 54766	
								0	

LETHABO POWER STATION
BOILER PLANT
DETAIL OF MILL INLET/OUTLET BOX LINER
REF No. 0037770




TYPICAL BOLT HOLE DETAIL

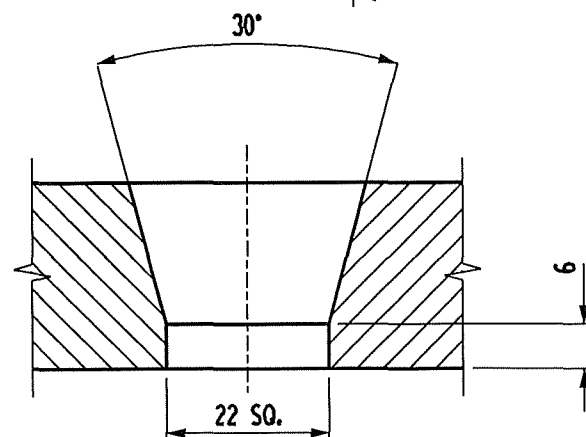
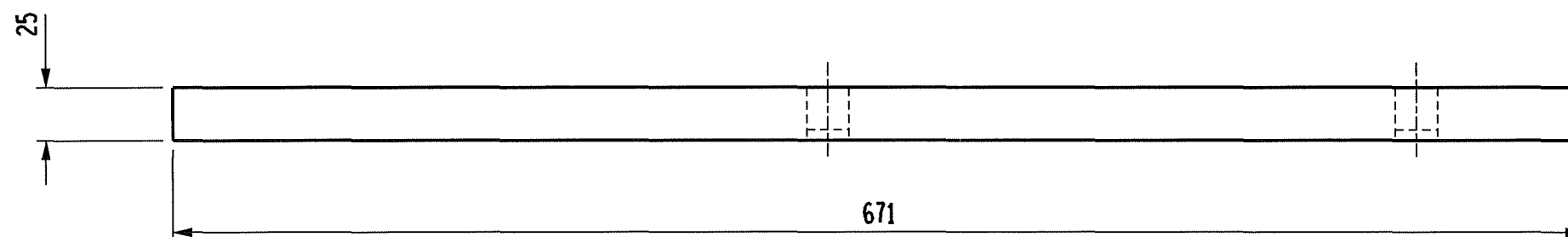
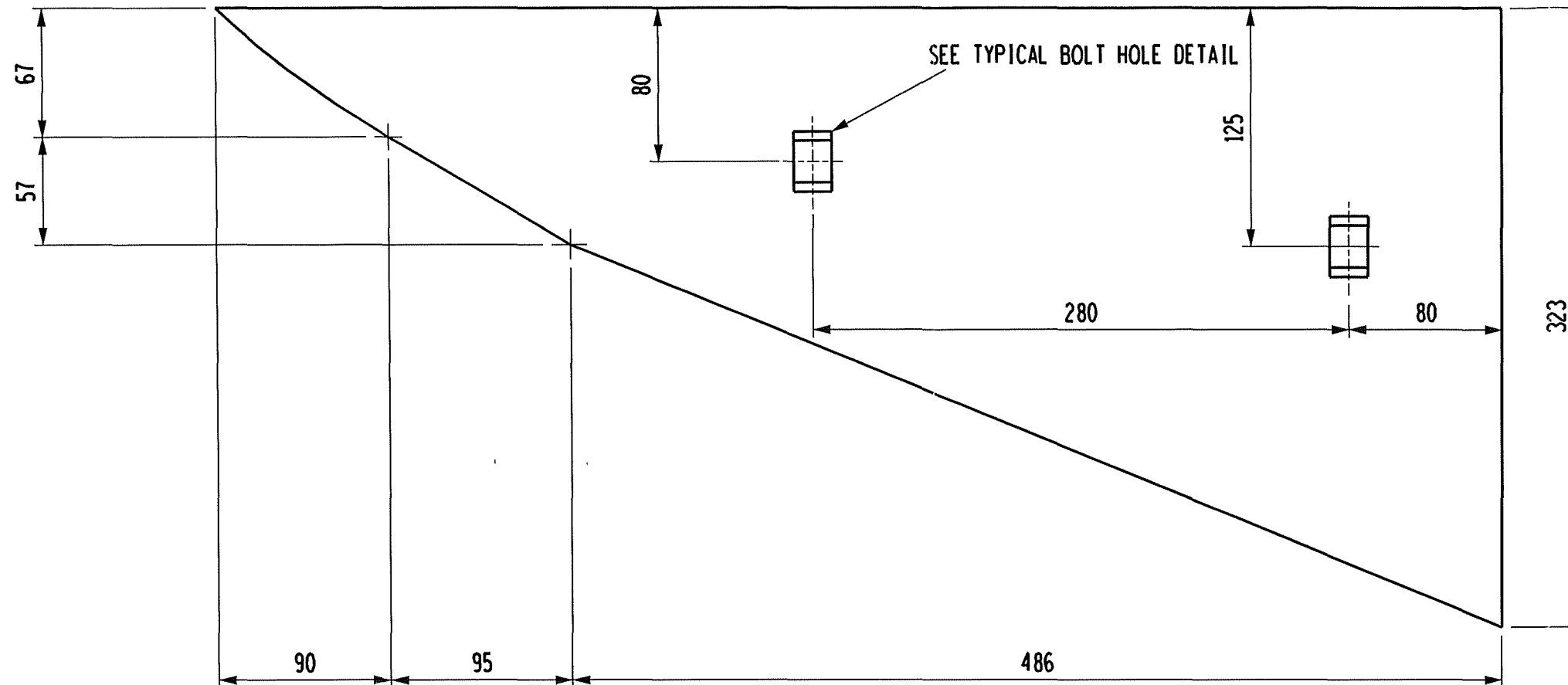
SCALE 1:1

NOTE:

1. LINERS 25 THK, MATERIAL HIGH CHROME TO BS 4844
2. MATERIAL :- HIGH CHROME TO BS 4844

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM.
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

								54763	MILL LINER KEY PLAN
DR 701	0	06.12.2001	FIRST ISSUE	VICKY	J FOX	H VERHOEF		50419	INLET/OUTLET BOX LINER
								54782	INLET/OUTLET BOX LINER
D.O.	REV	DATE	** REVISION **	REV BY	CHKD BY	AUTH BY	KKS APP	0.63	REFERENCE DRAWINGS
			INDEX REFERENCE : B2.4						
DRG REGISTR	12.11.2001	DR701	 ESKOM	LETHABO POWER STATION BOILER PLANT DETAIL OF MILL INLET/OUTLET BOX LINER REF No. 0037768					
KKS APP									
AUTH BY	06.12.2001	H.V.							
CHKD BY	28 11 01	J.S.F							
DRAWN BY	23 11 01	VICKY							
SCALE	1:30		APPROVED BY : H VERHOEF	A VAN HEERDEN	0.63 / 54765				0
			06/12/2001	06/12/2001					




TYPICAL BOLT HOLE DETAIL
SCALE 1:1

NOTE:

1. LINERS 25 THK, MATERIAL HIGH CHROME TO BS 4844
2. MATERIAL :- HIGH CHROME TO BS 4844

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM.
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

											54763	MILL LINER KEY PLAN
DR 701	0	06.12.2001	FIRST ISSUE				VICKY	J FOX	H VERHOEF		50419	INLET/OUTLET BOX LINER
D.O.	REV	DATE	** REVISION **				REV BY	CHKD BY	AUTH BY	KKS APP	54782	INLET/OUTLET BOX LINER
		INDEX REFERENCE : B2.4									0-63	REFERENCE DRAWINGS
DRG REGISTR		06.12.2001	DR701	<div> ESKOM</div> <div>LETHABO POWER STATION BOILER PLANT DETAIL OF MILL INLET/OUTLET BOX LINER REF No. 0037765</div>								
KKS APP												
AUTH BY	06.12.2001	H.V.										
CHKD BY	28 11 01	J.S.F										
DRAWN BY	23 11 01	VICKY	APPROVED BY : H VERHOEF	A VAN HEERDEN			0-63 / 54771			REV 0		
SCALE	1:30		06/12/2001	06/12/2001								

A

B

C

D

E

F

A

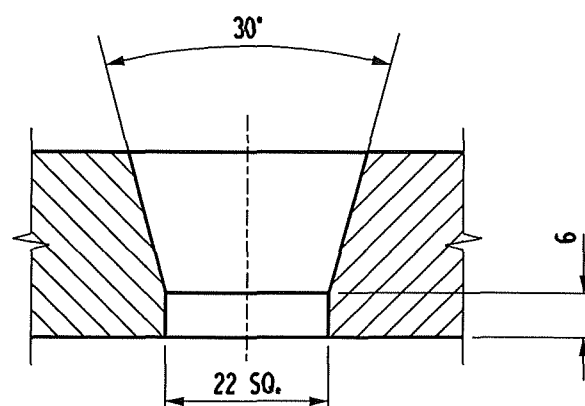
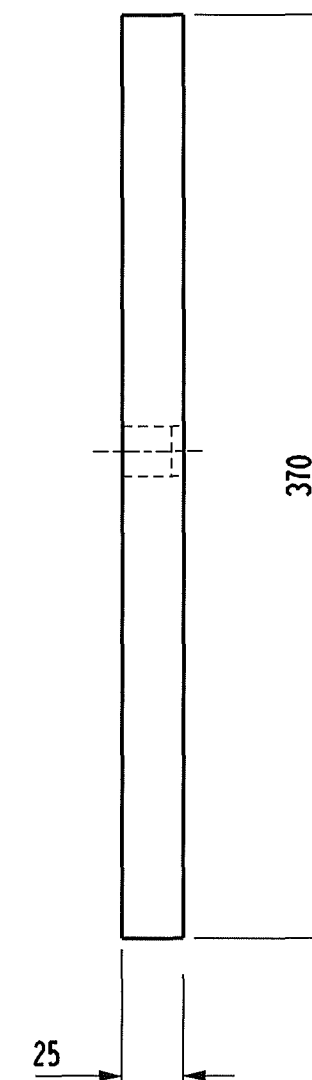
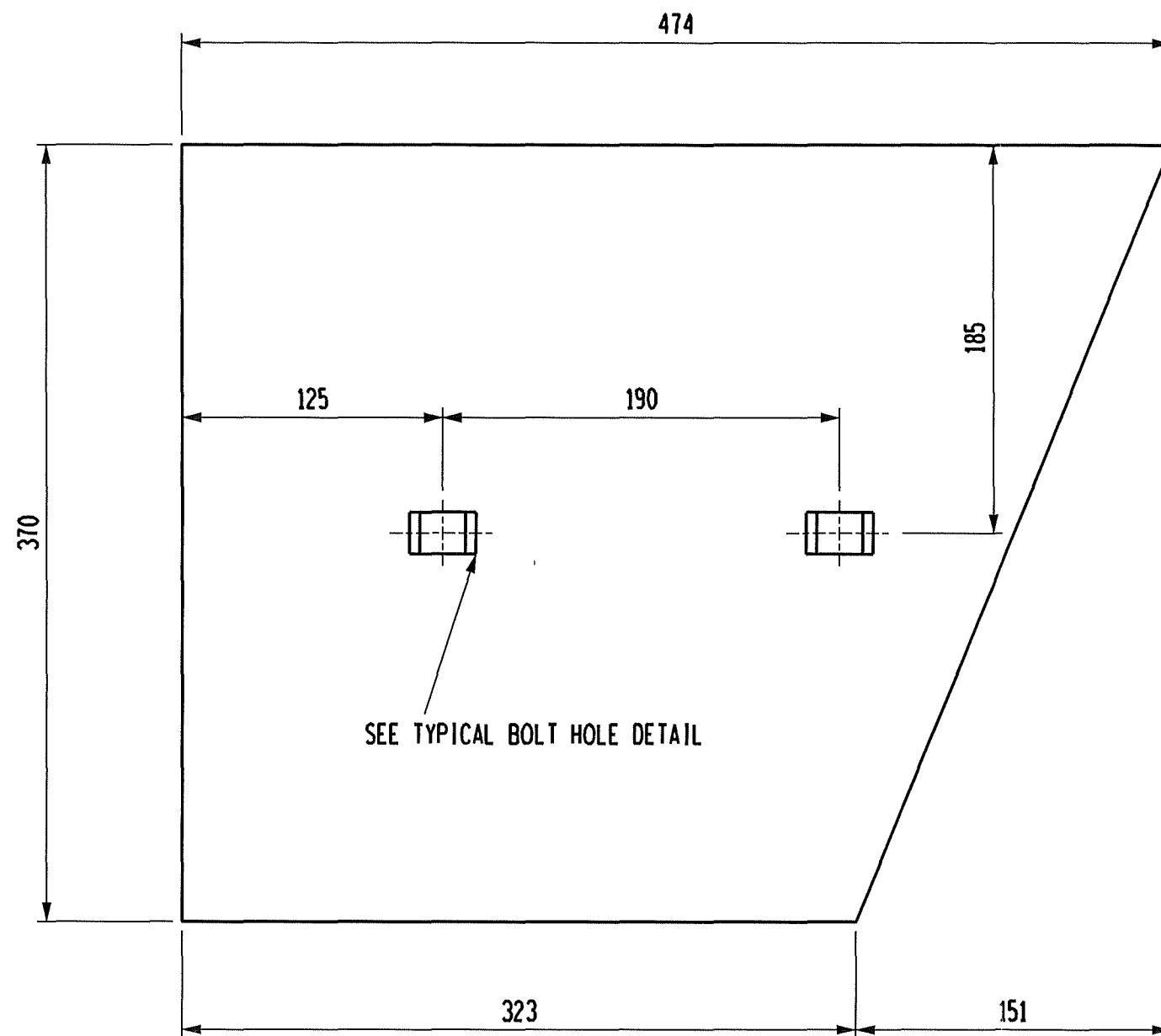
B

C

D

E

F




TYPICAL BOLT HOLE DETAIL

SCALE 1:1

NOTE:

1. LINERS 25 THK, MATERIAL HIGH CHROME TO BS 4844
2. MATERIAL :- HIGH CHROME TO BS 4844

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM.
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

								54763	MILL LINER KEY PLAN
								50419	INLET/OUTLET BOX LINER
DR	701	O	06.12.2001	FIRST ISSUE				VICKY	J FOX H VERHOEF
				** REVISION **				REV	CHKD
				INDEX REFERENCE : B2.4				BY	BY
								AUTH	KKS
								BY	APP
								0.63	REFERENCE DRAWINGS
DRG	REGISTR	06.12.2001	DR701						
KKS	APP								
AUTH	BY	06.12.2001	H.V.						
CHKD	BY	28 11 01	J.S.F						
DRAWN	BY	23 11 01	VICKY	APPROVED BY :		A VAN HEERDEN		REV	
SCALE		1:30		06/12/2001		06/12/2001		0	

LETHABO POWER STATION
BOILER PLANT
DETAIL OF MILL INLET/OUTLET BOX LINER
REF No. 0037775

0.63 / 54772

1

2

3

4

5

6

7

8

SIZE
GROOTTE A3L

A

B

C

D

E

F

A

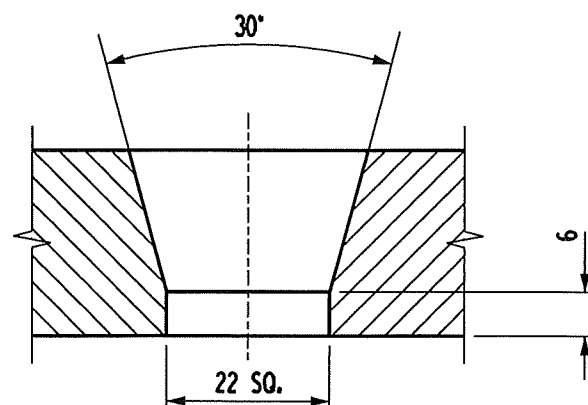
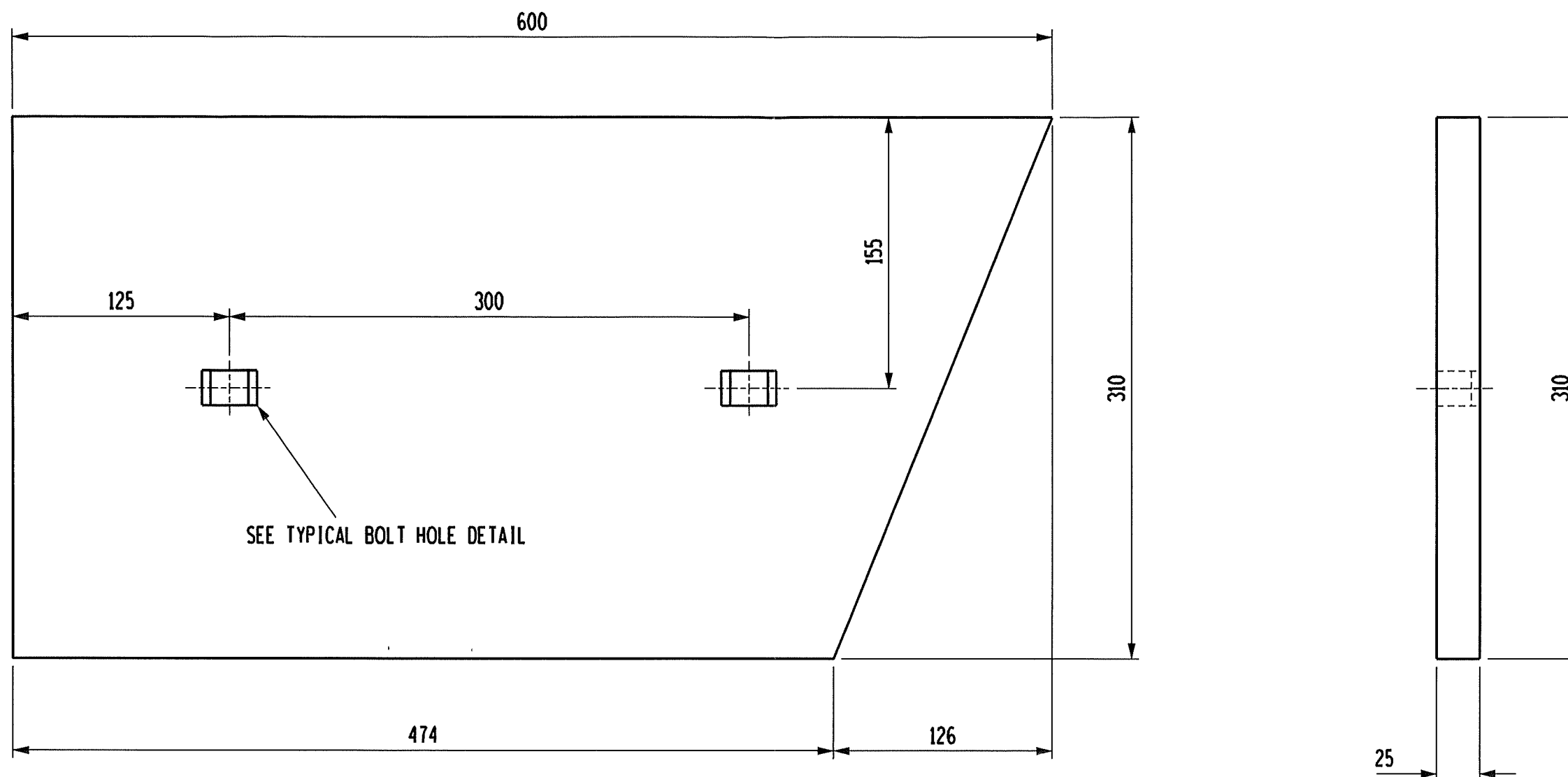
B

C

D

E

F




TYPICAL BOLT HOLE DETAIL
SCALE 1:1

NOTE:

1. LINERS 25 THK, MATERIAL HIGH CHROME TO BS 4844
2. MATERIAL :- HIGH CHROME TO BS 4844

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM.
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

88		O	06.12.2001	FIRST ISSUE	VICKY	J FOX	H VERHOEF	54763	MILL LINER KEY PLAN
D.O.		REV	DATE	** REVISION **	REV BY	CHKD BY	AUTH BY	KKS APP	50419 INLET/OUTLET BOX LINER
				INDEX REFERENCE : B2.4					54782 INLET/OUTLET BOX LINER
DRG REGISTR		06.12.2001	DR701	 ESKOM	LETHABO POWER STATION BOILER PLANT DETAIL OF MILL INLET/OUTLET BOX LINER REF No. 0037774				
KKS APP									
AUTH BY		06.12.2001	H.V.						
CHKD BY		28 11 01	J.S.F						
DRAWN BY		23 11 01	VICKY	APPROVED BY : H VERHOEF	A VAN HEERDEN		0-63 / 54773		REV 0
SCALE		1:30		06/12/2001	06/12/2001				



LETHABO POWER STATION
BOILER PLANT
DETAIL OF MILL INLET/OUTLET BOX LINER
REF No. 0037774

1

2

3

4

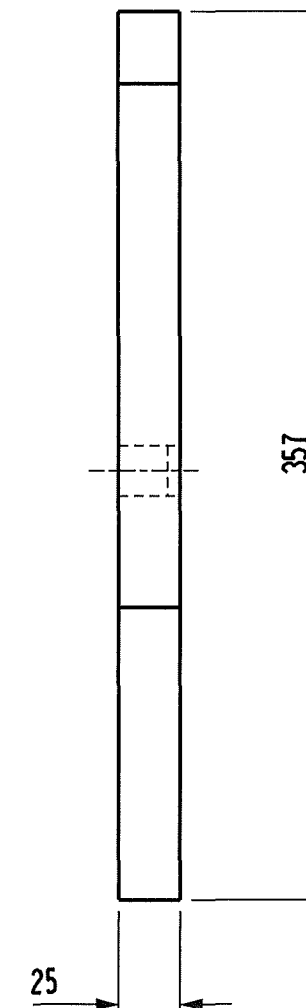
5

6

7

8

SIZE
GROOTTE A3L

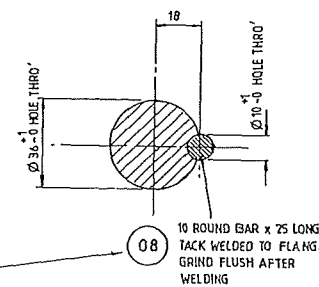
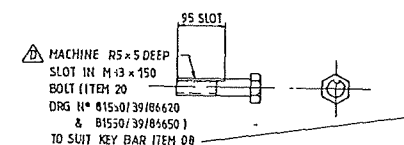
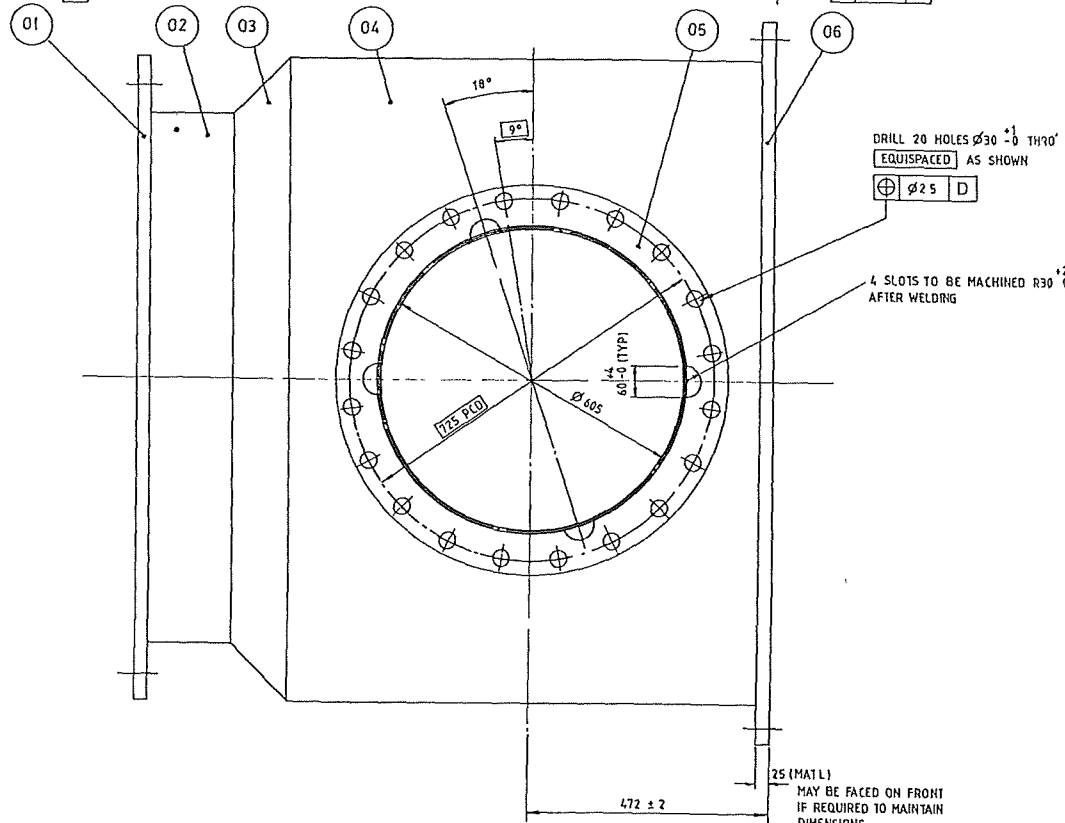


1. LINERS 25 THK, MATERIAL HIGH CHROME TO BS 4844
2. MATERIAL :- HIGH CHROME TO BS 4844

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM.
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

SIZE
ROOTTE **A3L**

	OD	ID	PRICH	THICK
(36)	1300	1022	1180	3
(36)	1300	1022	1180	3

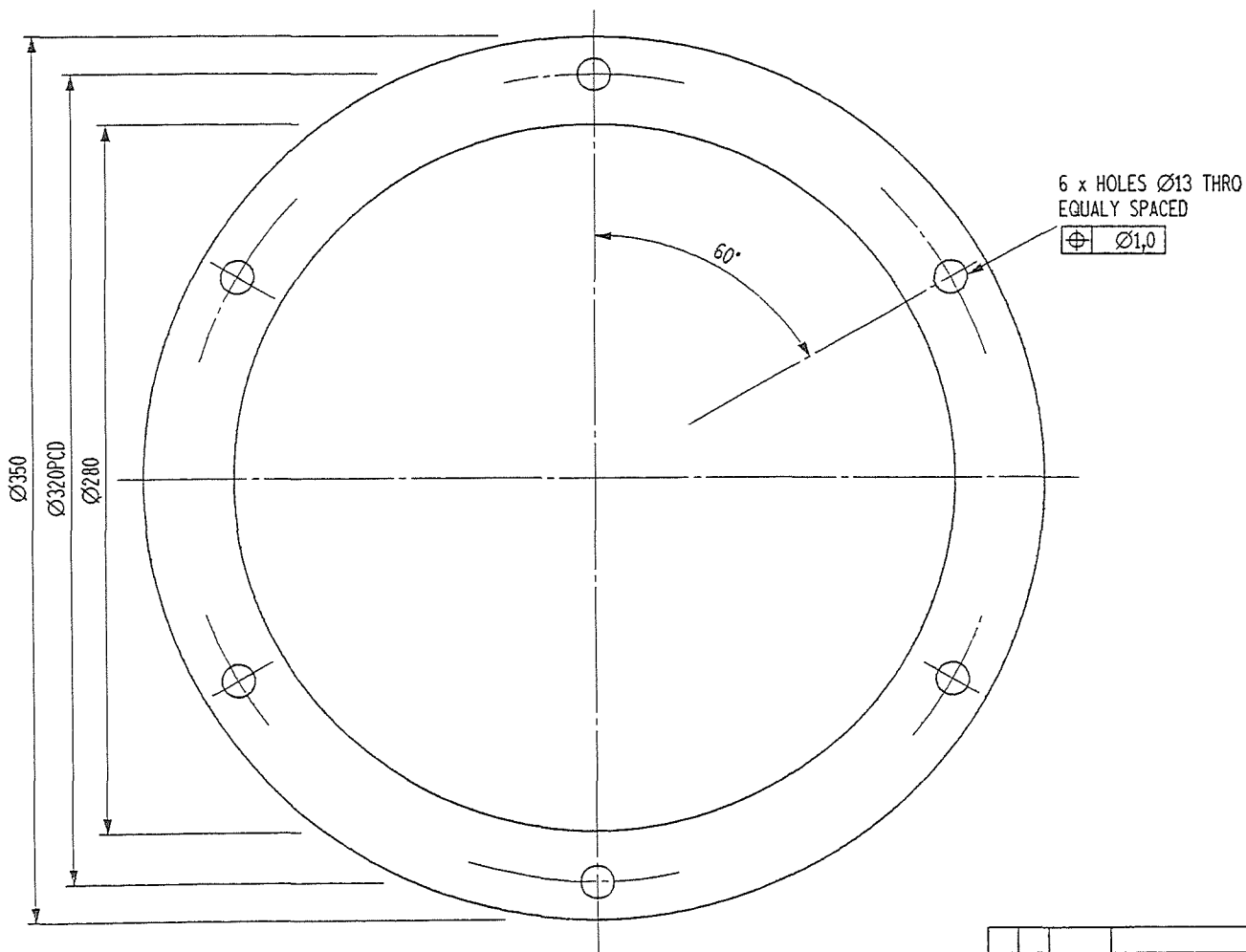


△ ENLARGED DETAIL (A)
SCALE 1:1


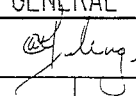
7	04	LM	026130	DIA	RUND	BAR	BS	4360	GR	43A
8		MD	0201MM	THK	PL	BS	4360	GR	43A	
9	06	LM	440130	N 35	FLAT	BAR	BS	4360	GR	43A
10	06	LM	215030	N 30	FLAT	BAR	BS	4360	GR	43A
11	04	M2	3190MM	THK	PL	BS	4360	GR	43A	
12	03	M2	01526MM	THK	PL	BS	4360	GR	43A	
13	02	M2	01674MM	THK	PL	BS	4360	GR	43A	
14	01	LM	009130	N 30	FLAT	BAR	BS	4360	GR	43A

DRAWN		CHECKED		DATE		PROJECT		LETHABO POWER STN DRG/SK No 81550 / 39 / 86630	
R. HOLT 07 08 84		F11CDE-24		F11CDE-24		F11CDE-24		[BABCOCK] ENGINEERING CONTRACTORS (PTY) LTD	
APPR 24-5		APPR		PASSED		PASSED		CONTRACT 81550 LETHABO	
AUTH P C E L		AUTH		AUTH		AUTH		TITLE P F P A INLET CASING	
THIS DESIGN IS THE PROPERTY OF BABCOCK ENGINEERING CONTRACTORS (PTY) LTD. IT MAY NOT BE REPRODUCED OR COPIED IN ANY FORM OR BY ANY MEANS WITHOUT THE WRITTEN PERMISSION OF BABCOCK ENGINEERING CONTRACTORS (PTY) LTD. ANY UNAUTHORIZED REPRODUCTION OR USE OF THIS DESIGN IS PROHIBITED AND WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.		AUTHORIZED OFFICER OF THE COMPANY ALL COPIES MUST BE RETURNED TO THE COMPANY ON REQUEST - COPYRIGHT RESERVED -		DRG NO		81550/39/86630		REV D SCALE 1:5	

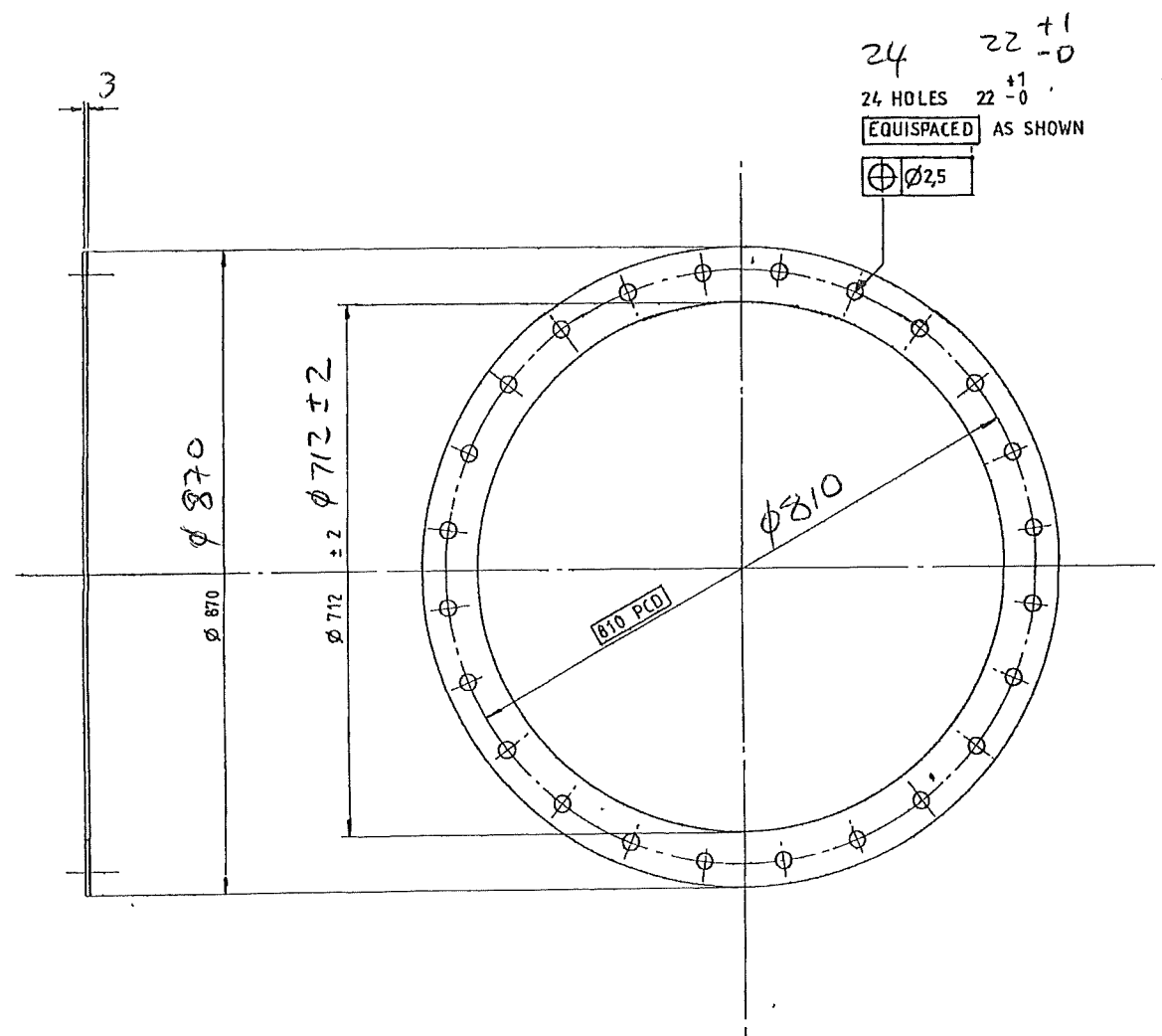
A
B
C
D
E
F



MATERIAL TO BE USED
3mm THICK KLINGER 100

00	0	FIRST ISSUE									
D.O.	REV	DATE	** REVISION **			REV BY	CHKD BY	AUTH BY	KKS APP	REFERENCE DRAWINGS	
DRG REGISTR			INDEX REFERENCE								
KKS APP								LETHABO POWER STATION			
AUTH BY								BOILER OIL BURNER			
CHKD BY								FRONT PLATE GASKET			
DRAWN BY		PJC	27.1.98	APPROVED BY					23.63/52616		REV
SCALE		1:2	22.1.98	M. J. FALANG							00

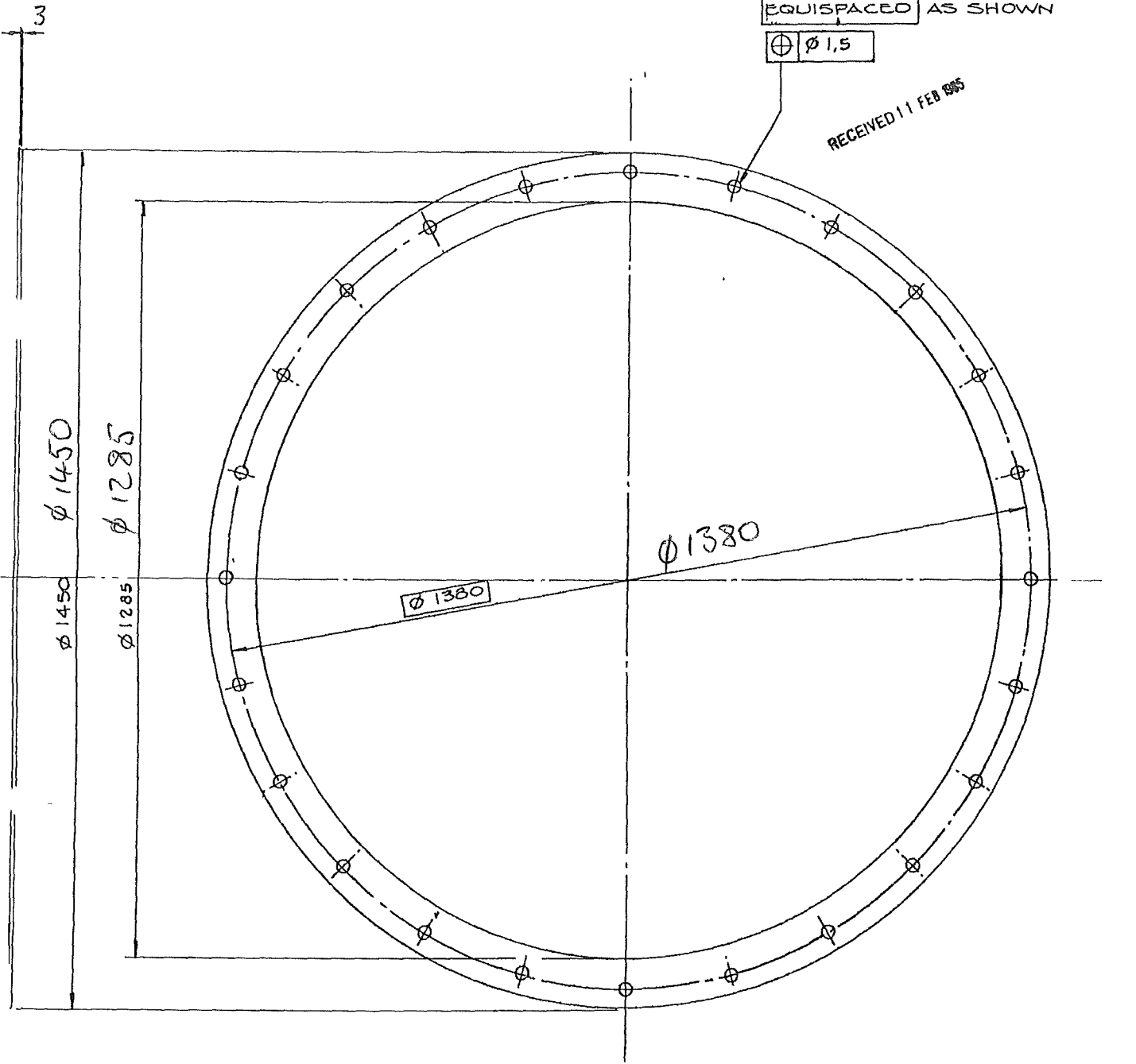
BABCOCK ENGINEERING CONTRACTORS (PTY) LTD. JOHANNESBURG									
DRAWN	RHOLT	REV	BY	DATE	ALTERATION	AUTH	DATE	SKETCH NO	81550/39/86642
TRACED		A	RH	20.9.84	RELEASED FOR MANUFACTURE				
CHECKED	US 7-54	B	RH	07.11.84	VG 1040 WAS VG 1400				
AUTH	25-2-84								
SCALE 1:5									
CONTRACT NAME LETHABO					ARRGT DRG NO 81550/39/86642		MANUF D UNDER		
BABCOCK ENGINEERING CONTRACTORS. BEC CONTRACT NUMBER 81550 BPL CONTRACT NUMBER 5733 ESKOM No. 23.63/52569									
HAPEC	P	DRAWING	SIZE	SUB-CONTRACTOR			AFFIX (REVISION)		
ENTRY	F	No		DESCRIPTION (DRAWING TITLE)			BOILER - TAIL		
CLASS	X			CODE			DRAWING NUMBER		
MC1039	06442	X2	0	CORE AIR FAN / CORE AIR TUBE GASKET			BEC 81550/39/86642		
LETHABO POWER STN DRG./SK.No 81550 / 39 / 86642									



BABCOCK ENGINEERING CONTRACTORS (PTY) LTD JOHANNESBURG									
DRAWN	RHOLI	REV	BY	DATE	ALTERATION	AUTH	DATE	SKETCH No	81550/39/86640
TRACED		A	RH	20/9/84	RELEASED FOR MANUFACTURE				
CHECKED	P.H.	B	RH	07/11/84	VG 1040 WAS VG 1400				
AUTH	P. H. L.								
SCALE	1:5								
CONTRACT NAME LETHABO					ATRGT DRG No 81550/39/86623		MANUF'D UNDER		
BABCOCK ENGINEERING CONTRACTORS.									
BEC CONTRACT NUMBER 81550			BPL CONTRACT NUMBER 5733			ESKOM No. 23.63/52567			
NAME	P	DRAWING	S	DESCRIPTION (DRAWING TITLE)			SUB-CONTRACTOR		AFFIX (REVISION)
ENTRY	F	No	C				DRAWING NUMBER		CHILLERS
CLASS	X								ALL
MCH03986640X2				P.F. P.A INLET COVER PLATE GASKET			BEC81550/39/86640		050585
LETHABO POWER STN. DRG./SK.No. 81550 / 39 / 86640									

24 HOLES Ø 22 THRO.
EQUISPACED AS SHOWN
⊕ Ø 1,5

RECEIVED 11 FEB 1985



Facsimile Cover Sheet



To: NTC
For attention: Esmé

From: Mauritz Faling
Company: Eskom - Lethabo Power Station
Section: Boiler Plant Engineering
Phone: 016 501-5041
Fax: 016 501-5859
E-mail: a94907@rb_fs1.eskom.co.za

Date: 04 August 1997

Pages including cover: 1

Pre-cut gaskets

During routine maintenance on our boilers, the burners are stripped and overhauled. On re-assembly the burners require new gaskets between each of three flanges.

At present we are using 3 mm black Klinger 100 gaskets, sealed with grease between the flanges.

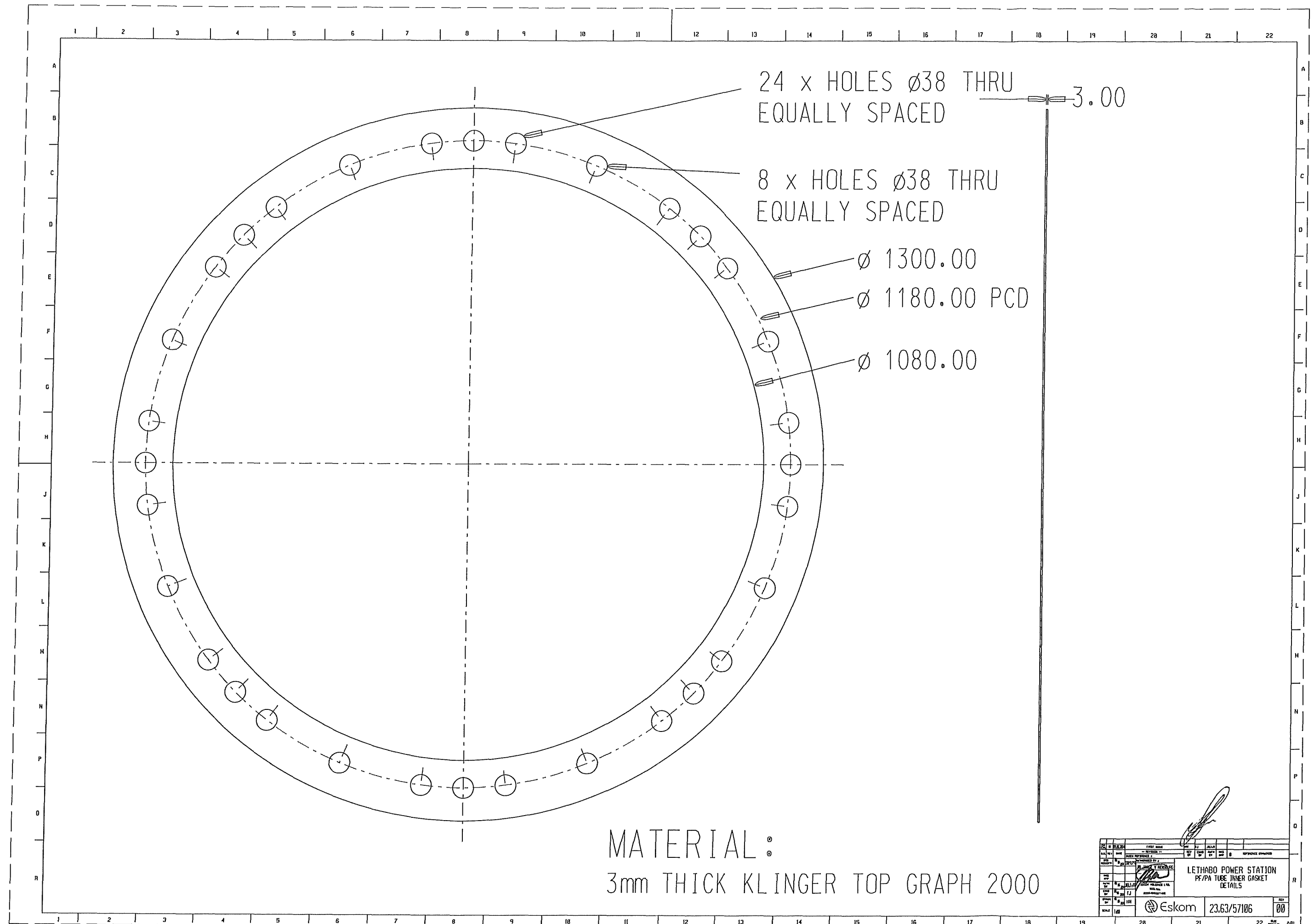
The sizes of the flanges are as follows:

- OD = 1450 mm, ID = 1285 with 24 equally spaced 22 mm holes
- OD = 870 mm, ID = 726 with 24 equally spaced 22 mm holes
- OD = 350 mm, ID = 280 with 8 equally spaced 12 mm holes

Please supply a budget quote for the cut and supply of gaskets to the specified sizes of the Klinger 100, or similar applicable packing type. Order quantities will be approximately 30 of each size.

Regards


CM Faling



A

B

C

D

E

F

A

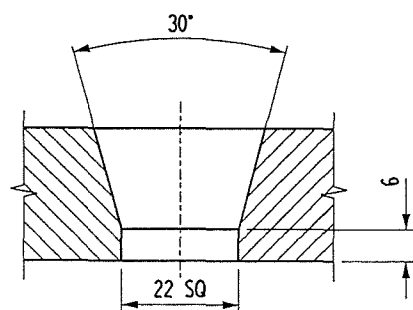
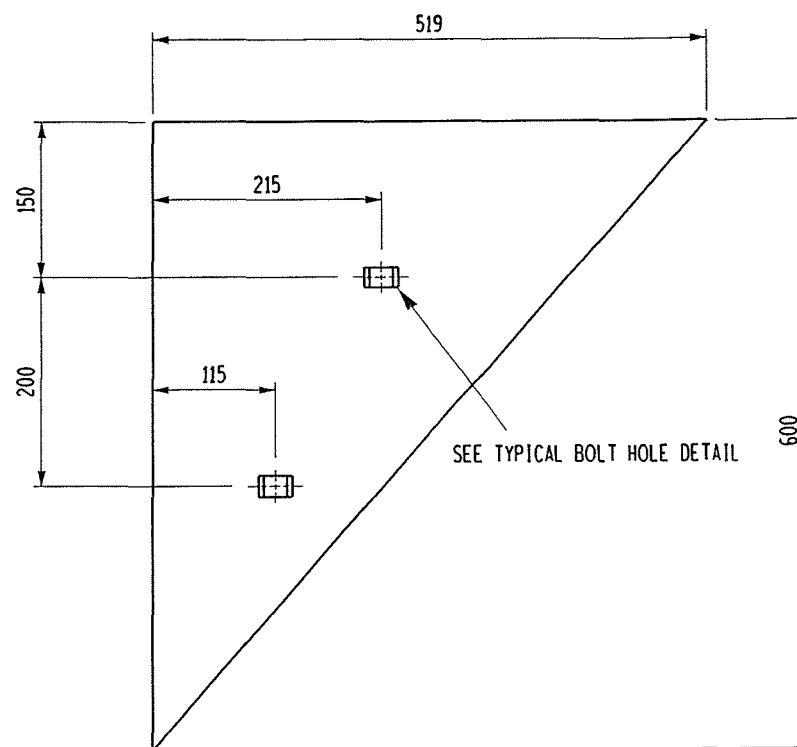
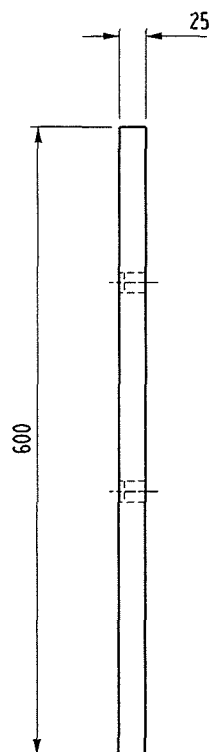
B

C

D

E

F



TYPICAL BOLT HOLE DETAIL

SCALE 1:1

NOTE:

1. LINERS 25 THK, MATERIAL HIGH CHROME TO BS 4844
2. MATERIAL:- HIGH CHROME TO BS 4844

THIS DRAWING HAS BEEN CREATED ON A C.A.D SYSTEM
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

DR	701	0	06/12/2001	FIRST ISSUE				VICKY	J FOX	H VERHOEF	54763	MILL LINER KEY PLAN	
D O	REV	DATE	** REVISION **				REV BY	CHKD BY	AUTH BY	KKS APP	50419	INLET/OUTLET BOX-LINER	
INDEX REFERENCE : B2.4												54782	INLET/OUTLET BOX-LINER
DRG REGISTR				06/12/2001	DR701					0-63 REFERENCE DRAWINGS			
KKS APP													
AUTH BY				06/12/2001	H.V.								
CHKD BY				23/11/01	J.S.F								
DRAWN BY				23/11/01	VICKY	APPROVED BY							
SCALE				1.50		H VERHOEF				A VAN HEERDEN			
						06/12/2001				06/12/2001			
										0-63 / 54776		REV	
												0	



LETHABO POWER STATION
BOILER PLANT
DETAIL OF MILL INLET/OUTLET BOX LINER
REF No. 0037756 SHEET 1 OF 2

A

B

C

D

E

F

A

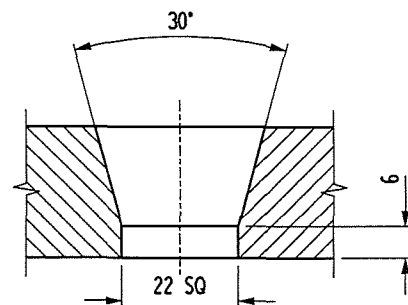
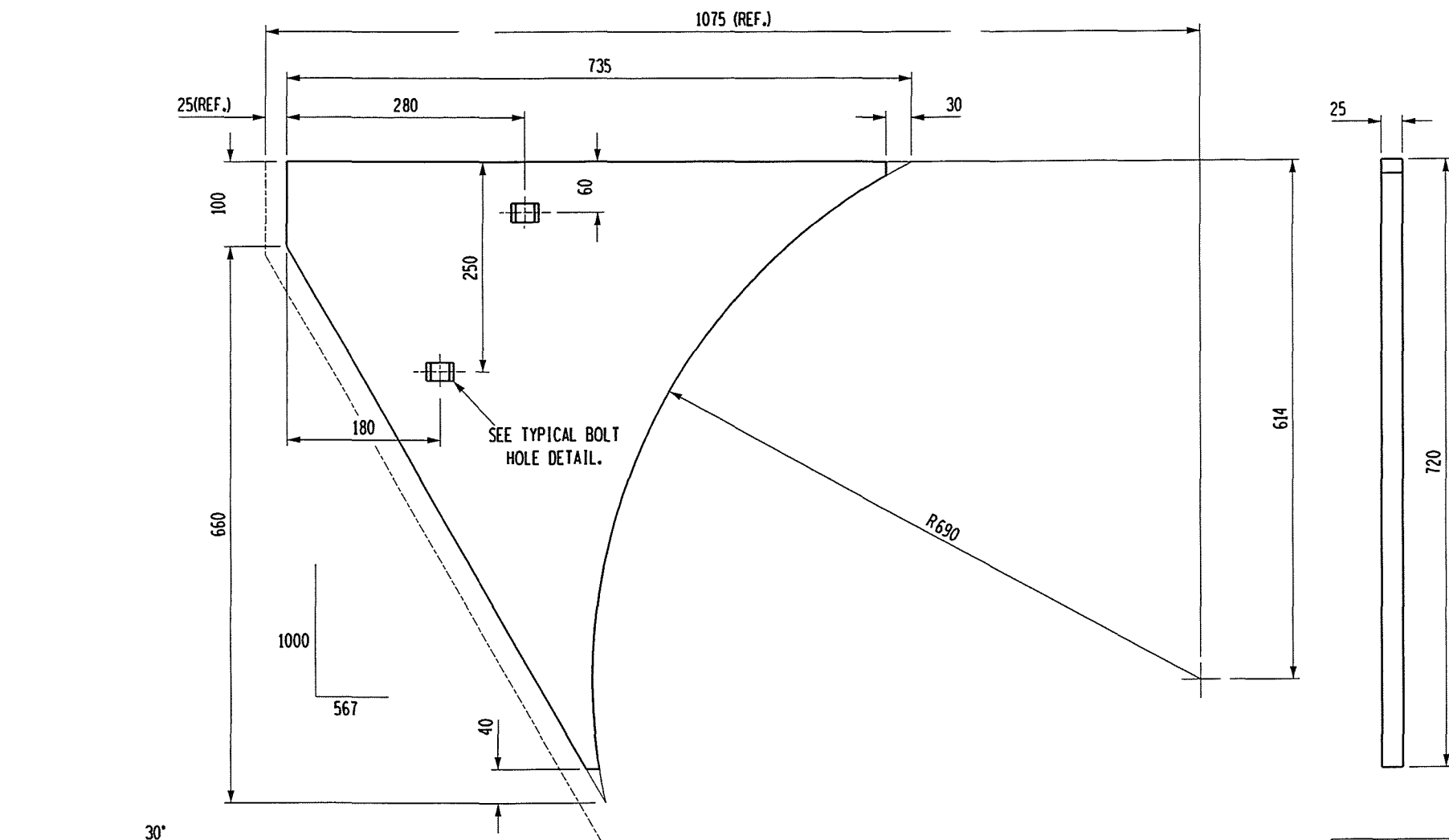
B

C

D

E

F




TYPICAL BOLT HOLE DETAIL

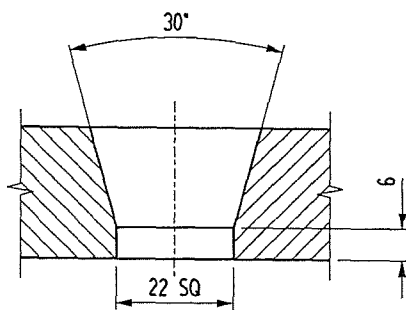
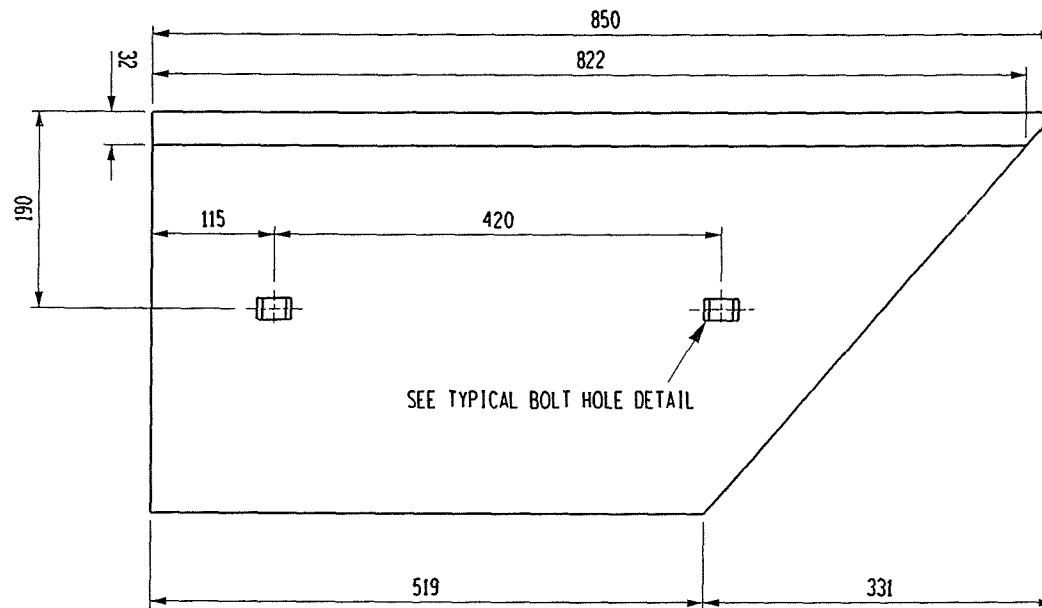
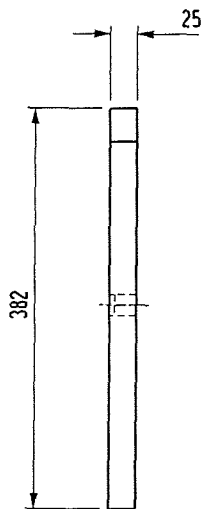
SCALE 1:1

NOTE:

1. LINERS 25 THK.
2. MATERIAL HIGH CHROME TO BS 4844

THIS DRAWING HAS BEEN CREATED ON A C.A.D SYSTEM.
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

DRG 701		0	06.12.2001	FIRST ISSUE		VICKY	J FOX	H VERHOEF		54763	MILL LINER KEY PLAN
DO		REV	DATE	** REVISION **		REV BY	CHKD BY	AUTH BY	KKS APP	50419	INLET/OUTLET BOX-LINER
				INDEX REFERENCE						54782	INLET/OUTLET BOX-LINER
				82.4						0.63	REFERENCE DRAWINGS
DRG REGISTR			06.12.2001	DR701				LETHABO POWER STATION BOILER PLANT DETAIL OF MILL INLET/OUTLET BOX LINER REF. No. 0037766			
KKS APP											
AUTH BY		06.12.2001	H.V.								
CHKD BY		29 11 01	J.S.Fox								
DRAWN BY		23 11 01	VICKY		APPROVED BY		A VAN HEERDEN		0.63 / 54777		REV 0
SCALE		1:50		06/12/2001		06/12/2001					



TYPICAL BOLT HOLE DETAIL

SCALE 1:1

NOTE:

1. LINERS 25 THK, MATERIAL HIGH CHROME TO BS 4844
2. MATERIAL:- HIGH CHROME TO BS 4844

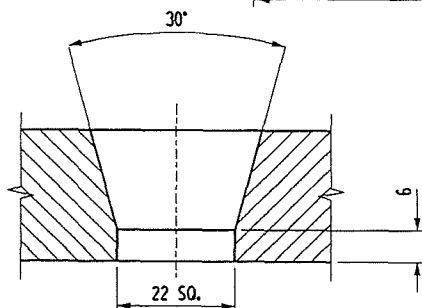
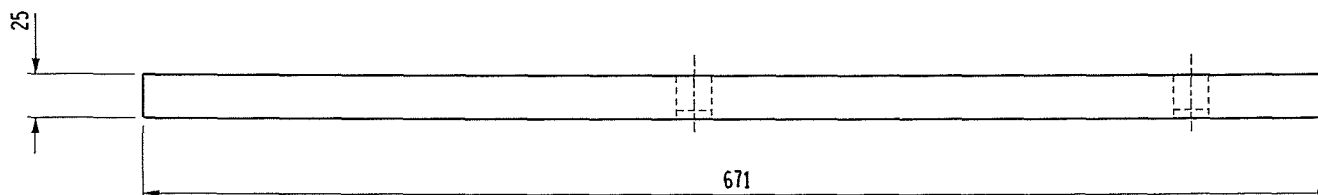
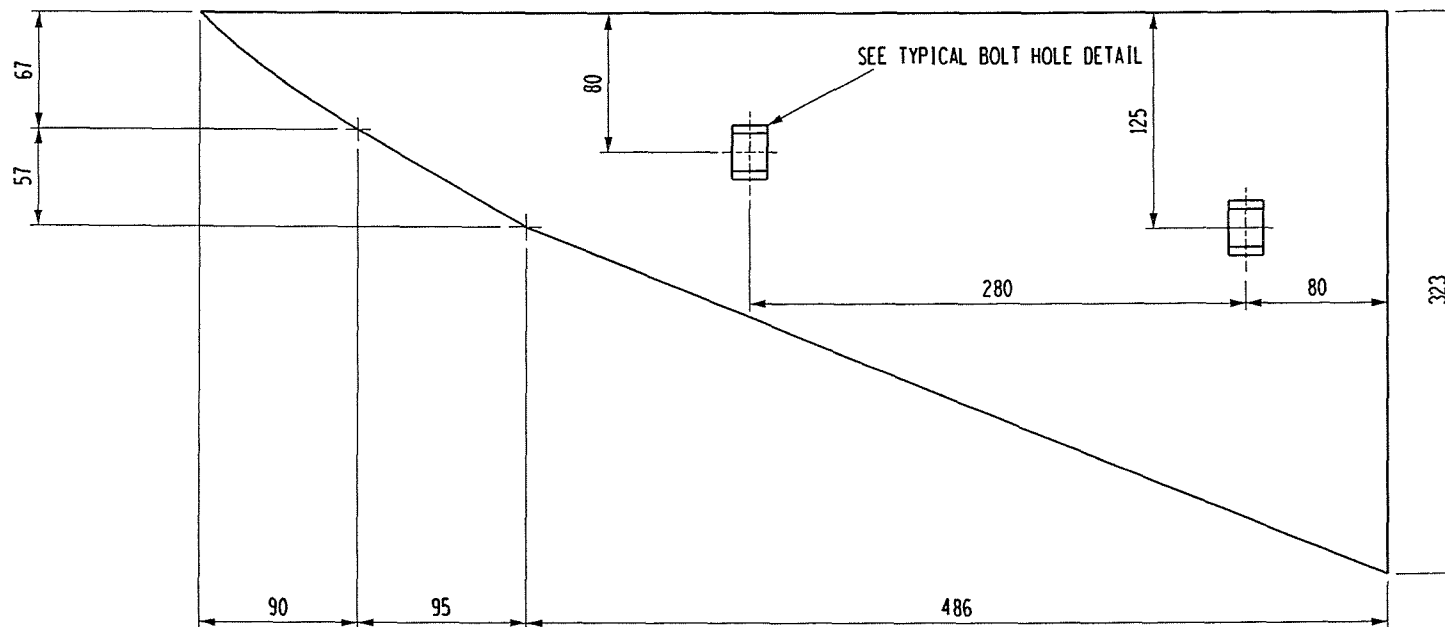
THIS DRAWING HAS BEEN CREATED ON A C.A.D SYSTEM
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM.

DR 701		O	06.12.2001	FIRST ISSUE				VICKY	J FOX	H VERHOEF	54763	MILL LINER KEY PLAN	
D O		REV	DATE	** REVISION **				REV BY	CHKD BY	AUTH BY	KKS APP	50419	INLET/OUTLET BOX LIN
DRG REGISTR		06.12.2001		INDEX REFERENCE 82.4								54782	INLET/OUTLET BOX LIN
KKS APP												0-63	REFERENCE DRAWINGS
AUTH BY		06.12.2001		H.V.									
CHKD BY		28 11 01		J.S.F									
DRAWN BY		23 11 01		VICKY									
SCALE		1:50		APPROVED BY				H VERHOEF		A VAN HEERDEN		0-63 / 54775	
				06/12/2001				06/12/2001				REV 0	



ESKOM

LETHABO POWER STATION
BOILER PLANT
DETAIL OF MILL INLET/OUTLET BOX LINER
REF No. 0037755 SHEET 1 OF 2



TYPICAL BOLT HOLE DETAIL

SCALE 1:1

NOTE:

1. LINERS 25 THK, MATERIAL HIGH CHROME TO BS 4844
2. MATERIAL :- HIGH CHROME TO BS 4844

THIS DRAWING HAS BEEN CREATED ON A C.A.D SYSTEM
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

A

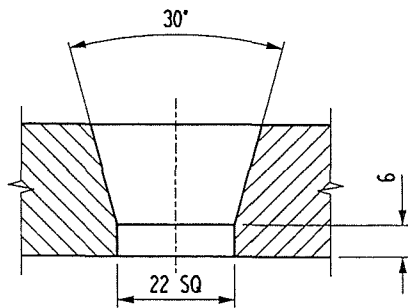
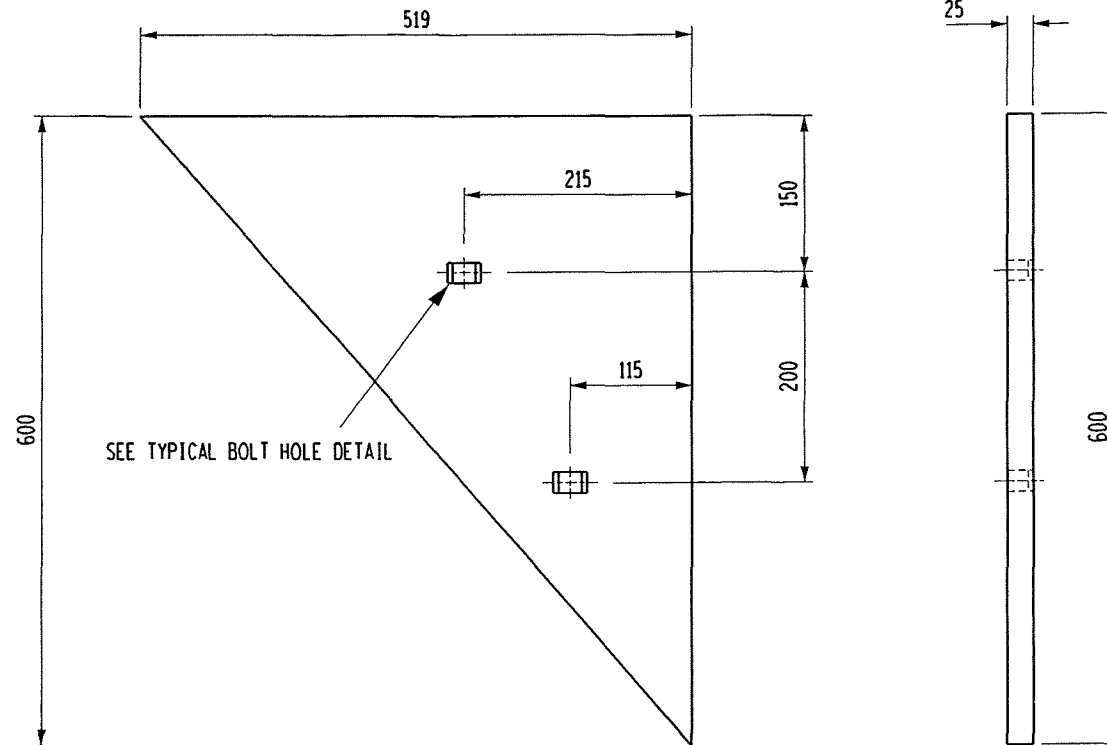
B

C

D

E

F




TYPICAL BOLT HOLE DETAIL

SCALE 1:1

NOTE:

1. LINERS 25 THK, MATERIAL HIGH CHROME TO BS 4844
2. MATERIAL:- HIGH CHROME TO BS 4844

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM.
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM

DR	O	06.12.2001	FIRST ISSUE				VICKY	J FOX	H VERHOEF	54763	MILL LINER KEY PLAN	
DO	REV	DATE	** REVISION **				REV BY	CHKD BY	AUTH BY	KKS APP	50419	INLET/OUTLET BOX-LINER
DRG REGISTR	06.12.2001	DR701	INDEX REFERENCE B2.4								54782	INLET/OUTLET BOX-LINER
KKS APP											0-63	REFERENCE DRAWINGS
AUTH BY	06.12.2001	H.V.					LETHABO POWER STATION BOILER PLANT DETAIL OF MILL INLET/OUTLET BOX LINER REF No. 0037754					
CHKD BY	23 11 01	J.S.F										
DRAWN BY	23 11 01	VICKY	APPROVED BY				A VAN HEERDEN					
SCALE	1:50		06/12/2001				06/12/2001					
										0-63 / 54776		REV
												0

1

2

3

4

5

6

7

8

SIZE
GROOTTE

A3L

MILL Slope LINERS