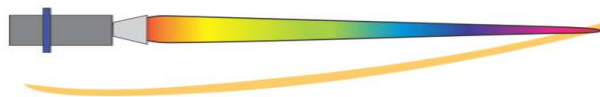
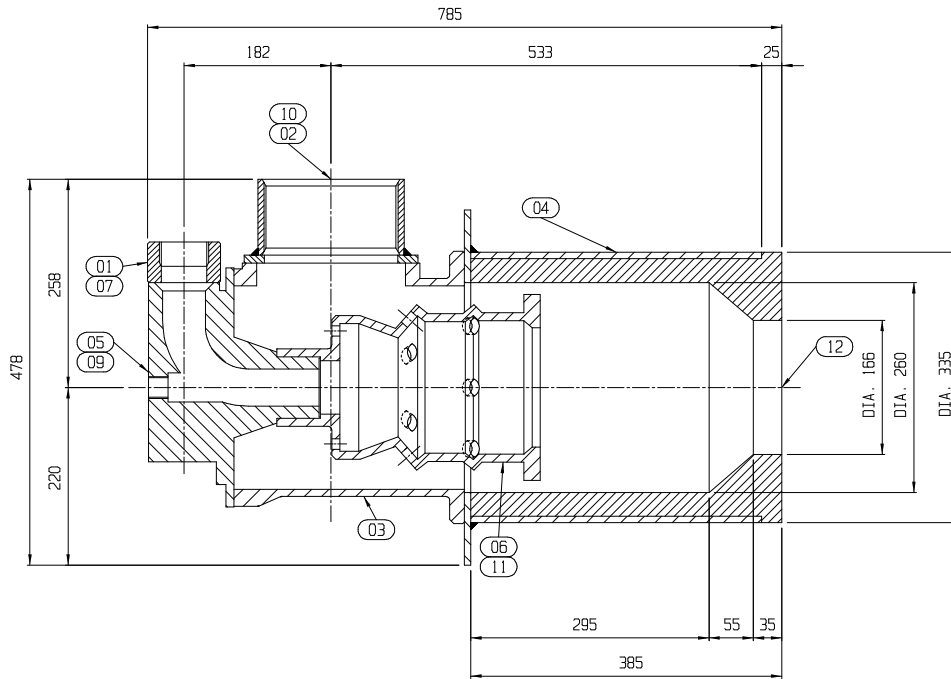


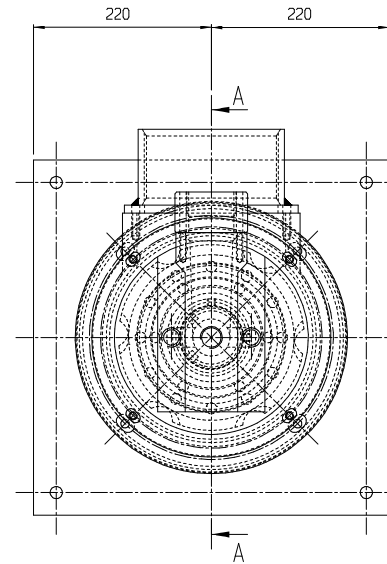
CGBS5 High Velocity Burner Specifications:

PARAMETER:		BURNER VELOCITY:	
Max Input:	5 500000 BTU/ Hr	Medium / High Velocity	
Min Input:	180 000 BTU/Hr	Medium / High Velocity	
GAS INLET PRESSUREREQUIRED (mBar):			
Fuel Pressure @ Gas inlet	HIGH:	Natural Gas	36,25
		Propane	37,75
		Butane	36,5
		CO Gas	31,5
	MEDIUM:	Natural Gas	12
		Propane	12,5
		Butane	12
		CO Gas	10,5
Air Pressure inlet	HIGH:	Natural Gas	46,25
		Propane	43,75
		Butane	43,75
		CO Gas	42
	MEDIUM:	Natural Gas	25
		Propane	25
		Butane	25
		CO Gas	25
High Fire Flame length	HIGH:	Natural Gas	2,3m
		Propane	2,7m
		Butane	2,6m
		CO Gas	2,1m
	MEDIUM:	Natural Gas	133mm
		Propane	133mm
		Butane	140mm
		CO Gas	131mm





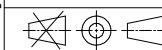
SECTION A - A



12	1	FIRE RESISTANT CASTBLE	.
11	2	M10 x 20 LG. SET SCREW	.
10	4	M10 x 35 LG. HEX BOLT	.
9	4	M10 x 35 LG. HEX BOLT	.
7	4	M8 x 75 LG. HEX BOLT	.
6	1	ITEM 6	249-001-05-006
5	1	ITEM 5	249-001-05-005
4	1	ITEM 4	249-001-05-004
3	1	ITEM 3	249-001-05-003
2	1	ITEM 2	249-001-05-002
1	1	ITEM 1	249-001-05-001
MK.	QTY	DESCRIPTION	DRG NO / REMARKS

REFERENCE DRAWINGS :	
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1	TITLE CHANGED
01/03/07	DATE

MACHINING TOLERANCES (U.S.S.)		
ABOVE	INCL.	TOL. ±
0.5	5	0.1
6	30	0.2
30	120	0.3
120	315	0.5
315	1000	0.8
1000	2000	1.2
2000	4000	2
4000	6000	3
6000	12000	4
12000	16000	5
16000	20000	6

UNIT NO. 2
NEWCASTLE PLACE
NO. 9 NEWCASTLE ROAD
APEX 1540**COMBUSTION & GAS
BURNER SERVICES**TEL: (011) 421 2453
FAX: (011) 845 4379

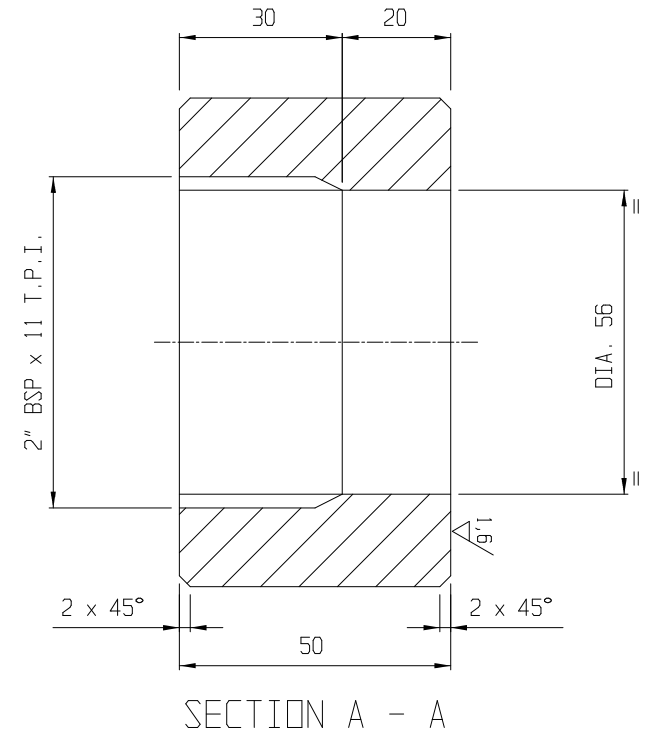
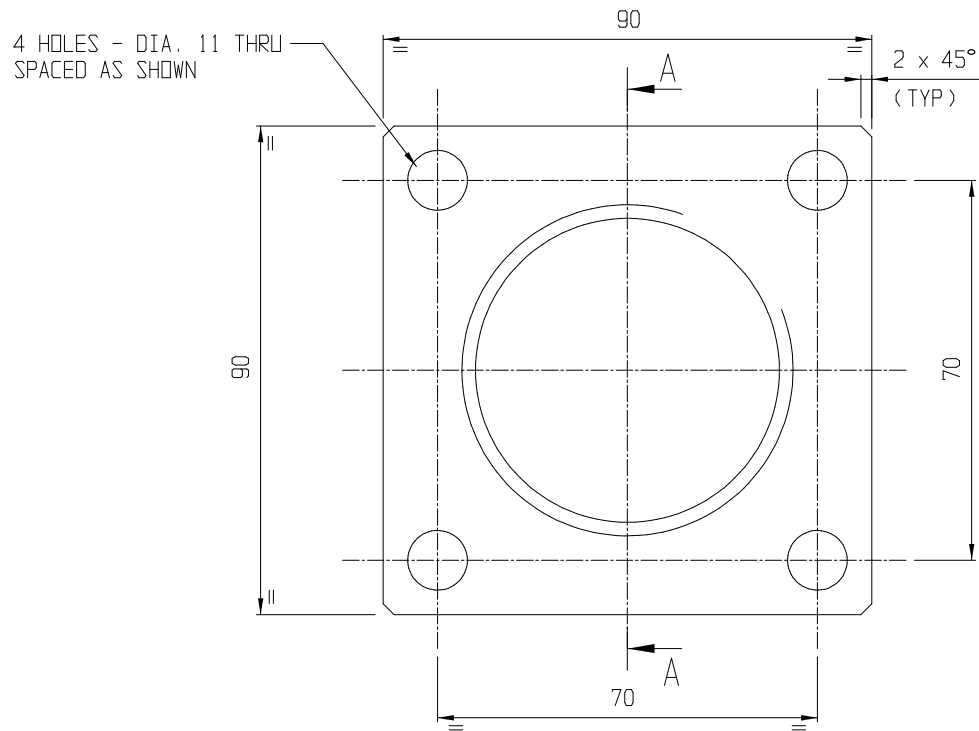
NAME	DATE
DRAWN J.G.	15/02/07
CHECKED W.G.	16/02/07
APPROVED CLIENT	
APPROVED ENG	
MATERIAL SPEC	

CLIENT: .
TITLE: GAS BURNER
GENERAL ASSEMBLYSHEET 1 / 1
DRG. NO: 249-001-02-001

CAD NO. 249-001-05-001

PLOT SCALE 1/1

DRAWING WAS PRODUCED BY CADHOUSE TEL: (016) 429-1643 / 083 227 4795



GENERAL NOTES : (U.O.N.)

1. BREAK ALL SHARP EDGES UNLESS OTHERWISE STATED.

2. FINISHING TO $\sqrt{3.2}$ ALL OVER U.O.S.

1 OFF

FOR ASSEMBLY SEE
DRG. 249-001-02-001
MK. 01

REFERENCE DRAWINGS :

MACHINING TOLERANCES (U.O.S.)

ISO 2768 & DIN 7168 MED

ABOVE	INCL.	TOL ±
0.5	6	0.1
6	30	0.2
30	120	0.3
120	315	0.5
315	1000	0.8
1000	2000	1.2

UNIT NO. 2
NEWCASTLE PLACE
NO. 9 NEWCASTLE ROAD
APEX 1540

**COMBUSTION & GAS
BURNER SERVICES**

TEL.: (011) 421 2453
FAX : (011) 845 4379



A3

SCALE
1:1

CLIENT: ,

TITLE: GAS BURNER
ITEM 1

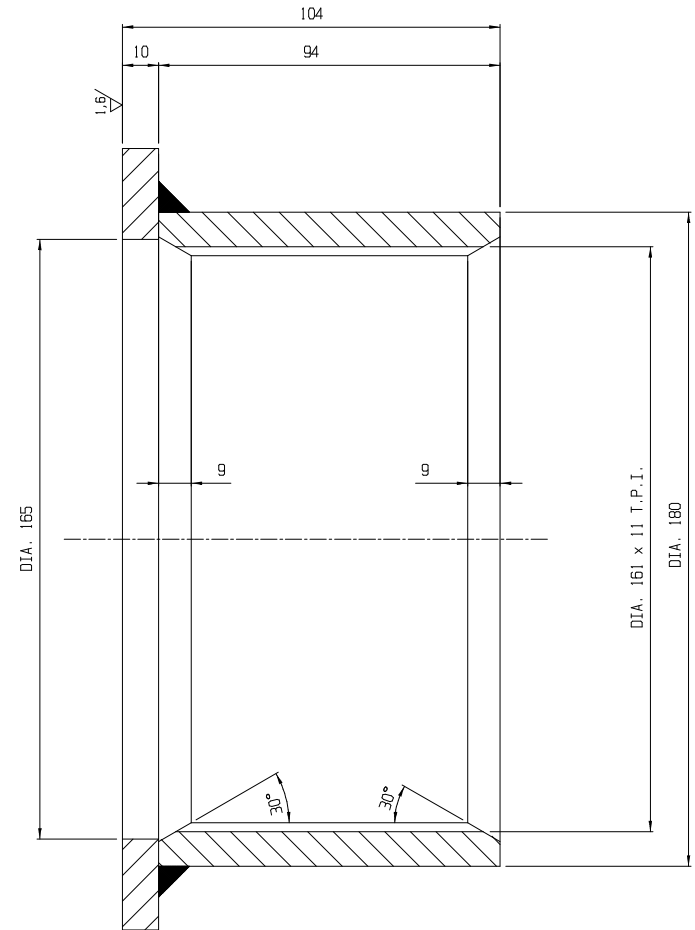
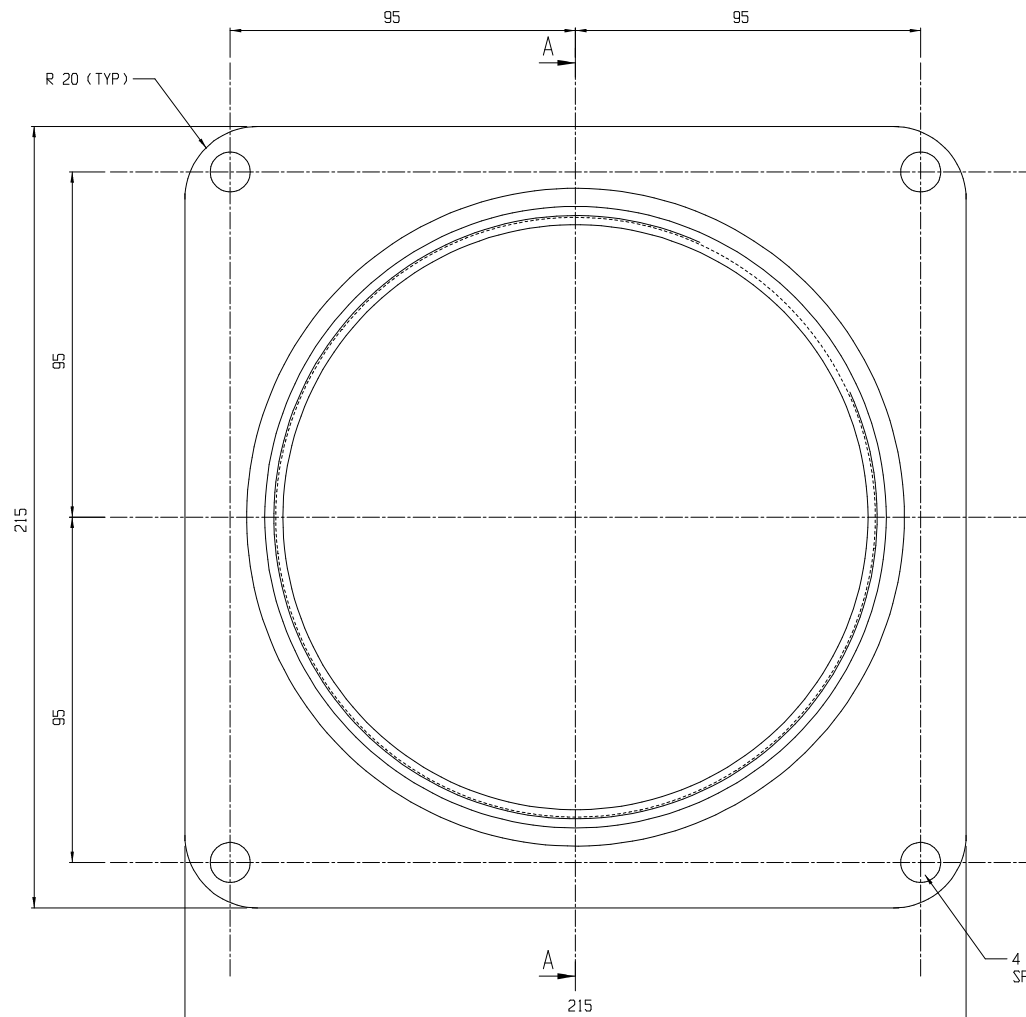
	NAME	DATE
DRAWN	J.G.	06/02/07
CHECKED	W.G.	11/02/07
APPROVED CLIENT		

REV	DETAILS	DATE
1	TITLE CHANGED	01/03/07

APPROVED ENG	
MATERIAL SPEC	CAST IRON

SHEET 1 / 1
DRG. NO: 249-001-05-001

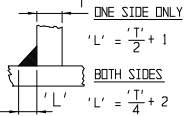
R1



SECTION A - A

1 OFF

MINIMUM SIZE OF WELDS			
MIN. THICKNESS OF PLATE	SIZE OF WELD	SIZE OF 'L'	
'T'	ONE	BOTH	
12	7	5	
20	11	7	
25	13	8	
30	16	9	
40	21	12	



ALL WELDS TO BE CONTINUOUS FILLET WELDS UNLESS OTHERWISE STATED ON DRAWING.

GENERAL NOTES : (U.D.N.)
1. BREAK ALL SHARP EDGES UNLESS OTHERWISE STATED.

2. FINISHING TO ∇ $\frac{3.2}{\nabla}$ ALL OVER U.D.S.

FOR ASSEMBLY SEE
DRG. 249-001-02-001
MK. 02

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MACHINING TOLERANCES (U.D.S.)		
ABOVE	INCL.	TOL. ±
0.5	6	0.1
6	30	0.2
30	120	0.3
120	315	0.5
315	1000	0.8
1000	2000	1.2
2000	4000	2
4000	6000	3
6000	12000	4
12000	16000	5
16000	20000	6

REV	TITLE CHANGED	DATE
1	TITLE CHANGED	01/03/07
	DETAILS	

UNIT NO. 2
NEWCASTLE PLACE
NO. 9 NEWCASTLE ROAD
APEX 1540

COMBUSTION & GAS BURNER SERVICES

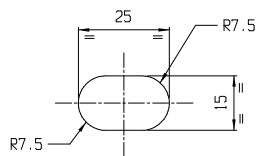
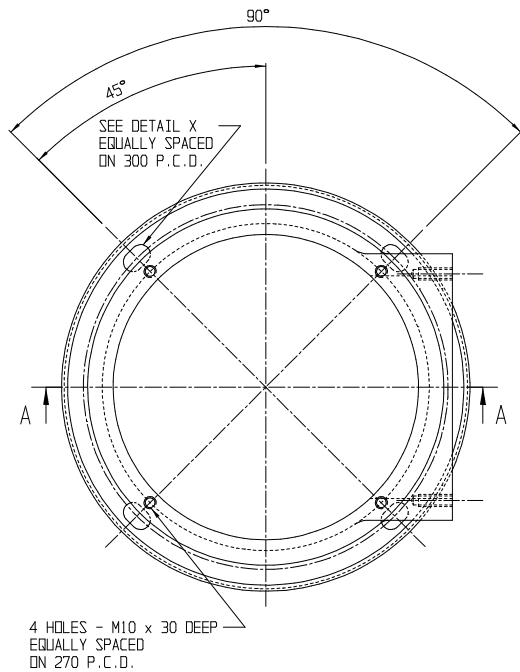
TEL : (011) 421 2453
FAX : (011) 845 4379

NAME	DATE
DRAWN	J.G. 06/02/07
CHECKED	W.G. 11/02/07
APPROVED CLIENT	
APPROVED ENG	
MATERIAL SPEC	CAST IRON

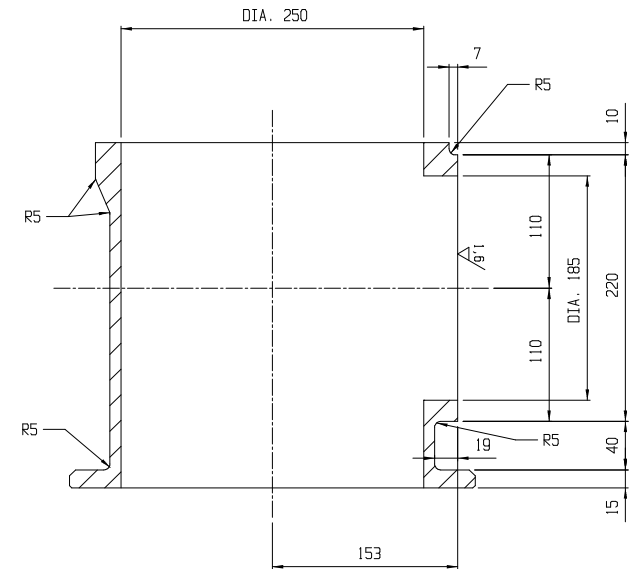
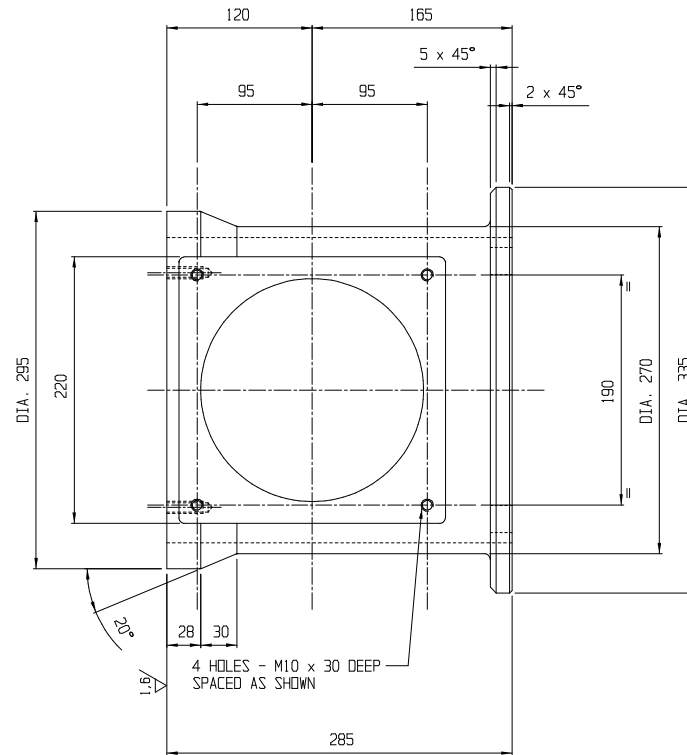
CLIENT :
TITLE: GAS BURNER
ITEM 2

SHEET	DRG. NO:
1 / 1	249-001-05-002

R1



ENL. DETAIL X
(TYP x 4)



SECTION A - A

1 OFF

GENERAL NOTES : (U.D.N.)
1. BREAK ALL SHARP EDGES UNLESS OTHERWISE STATED.
2. FINISHING TO ∇ 3.2/ ALL OVER U.D.S.

FOR ASSEMBLY SEE
DRG. 249-001-02-001
MK. 03

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MACHINING TOLERANCES (U.D.S.)		TOL. ±
ABOVE	INCL.	
0.5	5	0.1
6	30	0.2
30	120	0.3
120	315	0.5
315	1000	0.8
1000	2000	1.2
2000	4000	2
4000	6000	3
6000	12000	4
12000	16000	5
16000	20000	6

REV	DETAILS	DATE
1	TITLE CHANGED	01/03/07

UNIT NO. 2
NEWCASTLE PLACE
NO. 9 NEWCASTLE ROAD
APEX 1540

**COMBUSTION & GAS
BURNER SERVICES**

TEL : (011) 421 2453
FAX : (011) 845 4379

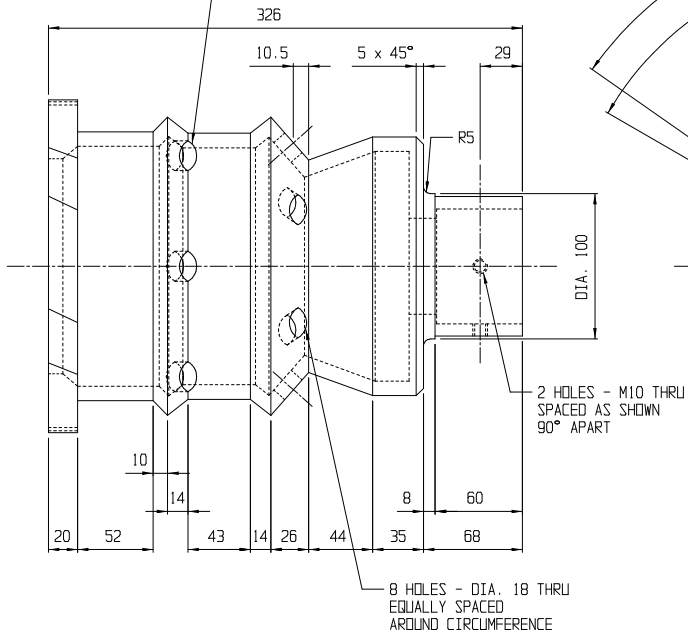
			A2	SCALE 1:3
DRAWN	J.G.	07/02/07	NAME	DATE
CHECKED	W.G.	11/02/07	NAME	DATE
APPROVED CLIENT				
APPROVED ENG				
MATERIAL SPEC	CAST IRON			

CLIENT :
TITLE: GAS BURNER
ITEM 3

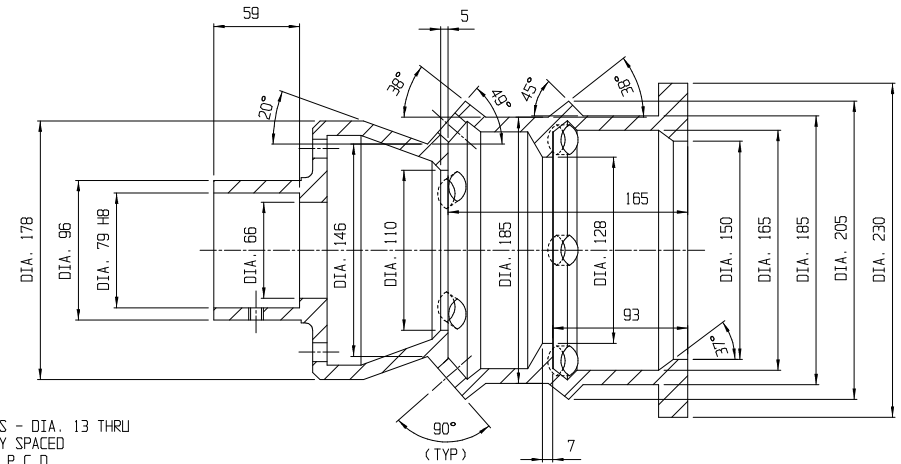
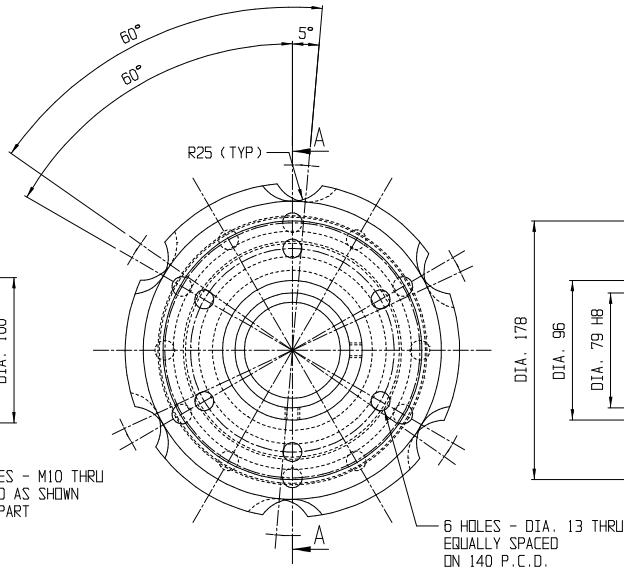
SHEET 1 / 1
DRG. NO: 249-001-05-003

R1

8 HOLES - DIA. 18 THRU
EQUALLY SPACED
AROUND CIRCUMFERENCE



FITS	LIMITS
DIA. 79 H8	+0.046 -0.000



SECTION A - A

1 OFF

FOR ASSEMBLY SEE
DRG. 249-001-02-001
MK. 06

REFERENCE DRAWINGS :

.

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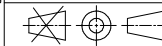
MACHINING TOLERANCES (U.S.S.)

ABOVE	INCL.	TOL. ±
0.5	5	0.1
6	30	0.2
30	120	0.3
120	315	0.5
315	1000	0.8
1000	2000	1.2
2000	4000	2
4000	6000	3
6000	12000	4
12000	16000	5
16000	20000	6

UNIT NO. 2
NEWCASTLE PLACE
NO. 9 NEWCASTLE ROAD
APEX 1540

**COMBUSTION & GAS
BURNER SERVICES**

TEL.: (011) 421 2453
FAX : (011) 845 4379



A2

SCALE
N.T.S.

CLIENT: .

TITLE: GAS BURNER
ITEM 6

DRAWN

NAME

DATE

CHECKED

J.G.

09/02/07

APPROVED CLIENT

W.G.

11/02/07

APPROVED ENG

MATERIAL SPEC

CAST IRON

SHEET
1 / 1

DRG.

NO: 249-001-05-006

R1

GENERAL NOTES : (U.D.N.)
1. BREAK ALL SHARP EDGES UNLESS OTHERWISE STATED.

2. FINISHING TO $\sqrt{3.2}$ ALL OVER U.D.S.

1 TITLE CHANGED

DETAILS

01/03/07
DATE