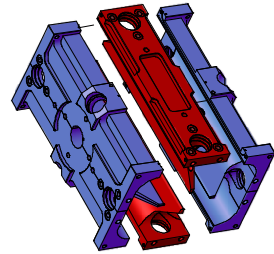
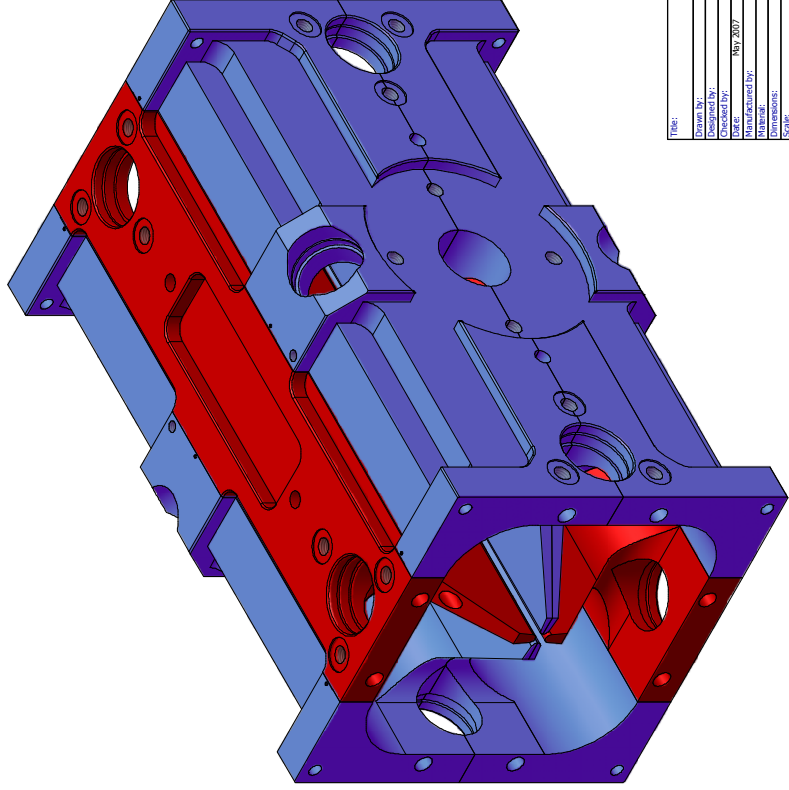
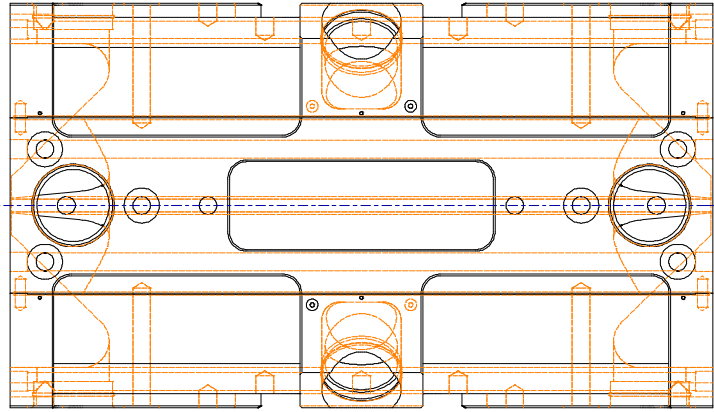
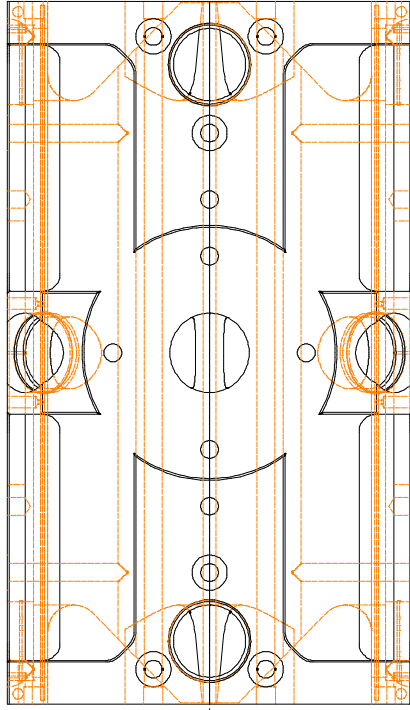
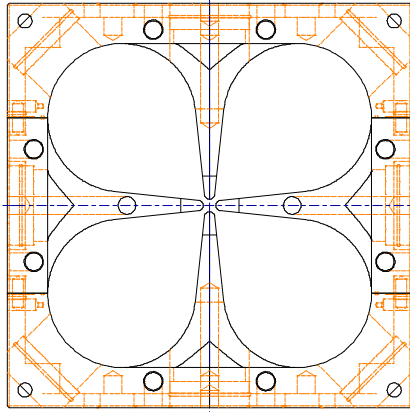
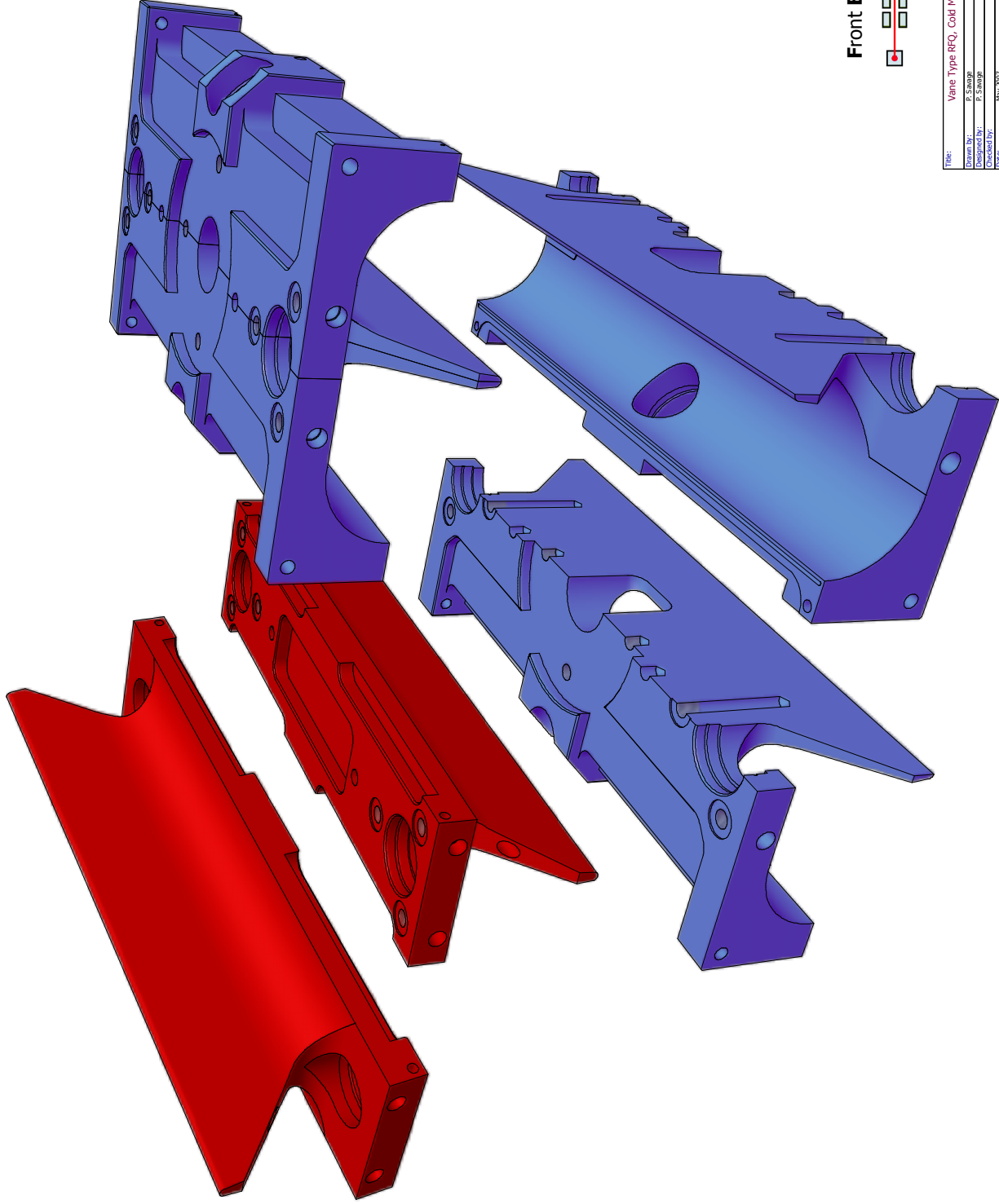


RFQ COLD MODEL

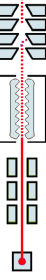


Title	RFQ Cold Model
Drawn by	Competition
Checked by	RFQ Model/Competition
Date	May 2007
Version number	1 / 1
Project	RFQ Model/Competition
Number of	1 / 1
Scale	1C:1000
General Tolerance	±0.05

RFQ COLD MODEL

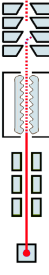


Front End Test Stand

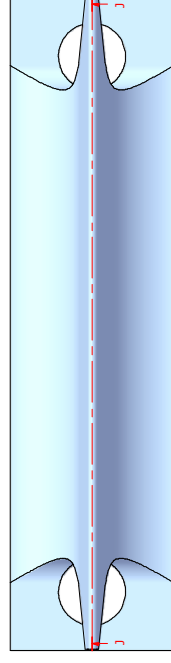
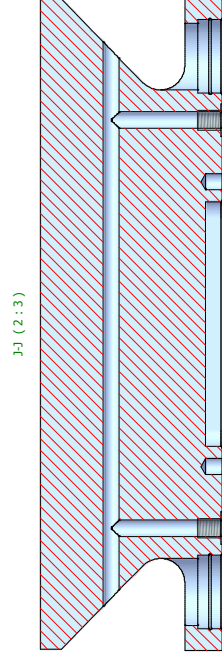
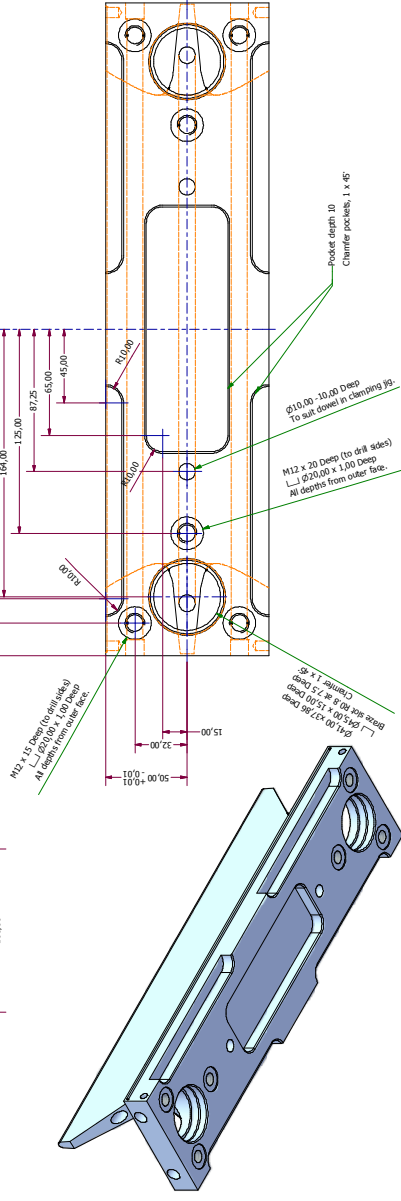
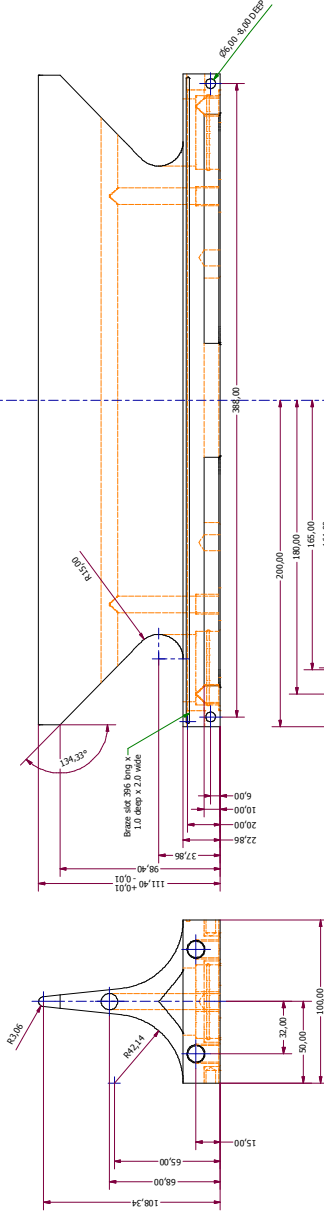
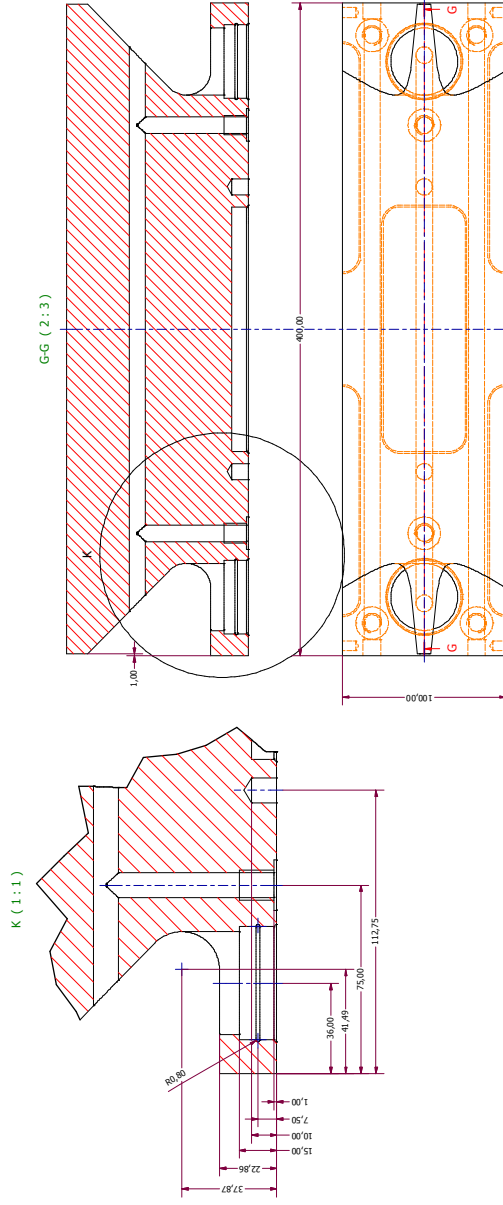


Title: Vane Type RFQ Cold Model			
Drawn by:	B. S. S. S.	Model name:	Over View
Designed by:	P. S. S. S.	Model file:	Over View
Checked by:	P. S. S. S.	Model file:	Over View
Date:	May 2007	Version number:	1
Manufactured by:	RFQ Vane Model	Project:	P. S. S. S.
Manufacturer:	RFQ Vane Model	Project:	P. S. S. S.
Dimensions:	mm	Number of:	1
Scale:		Drawing number:	IC-REP-PIS-1002
General Tolerance: ± 0.01 unless otherwise stated			
Notes:			

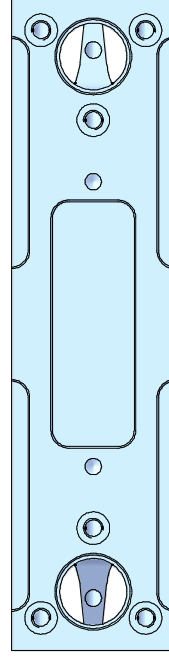
RFQ COLD MODEL - Small Quarter



Front End Test Stand



✓ Add braze slots one side only.



RQC Mold - Small Quarter						
Title:						
Drawn by:	P. S. Mudge	Project:	Third angle			
Designed by:	P. S. Mudge	Mold file:				
Cechned by:		Drawing file:	RQVMoldComplete.dwg			
Date:	May 2007	Number:				
Manufactured by:		F.I.E.I.S.				
Material:	OPC - Grade C101	Sheet number:	3 / 18			
Dimensions:	mm	Number of:				
Scale:	x0.8	Drawing number:	R-QRC-PB-FRTS_1001			
Note:	© F.I.E.I.S. U.S.A.					
Tolerance:	± 0.1 mm					
N.B.:						

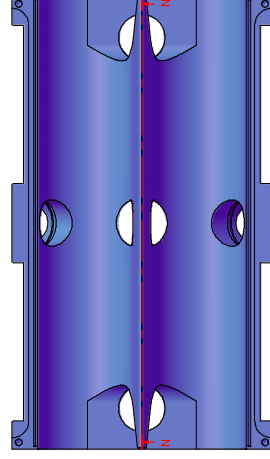
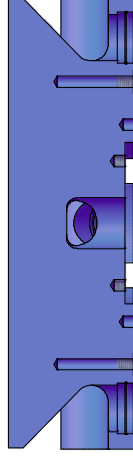
RFQ COLD MODEL - Large Quarter

~~R-R (0.45:1)~~

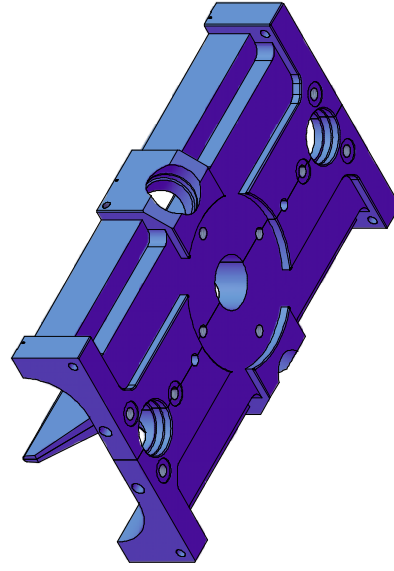
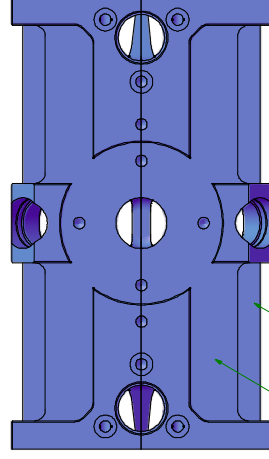
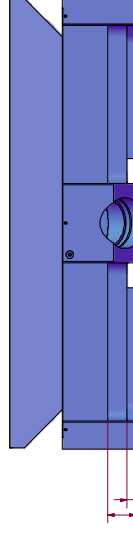
DETAIL VIEW A

N-N (0.45:1)

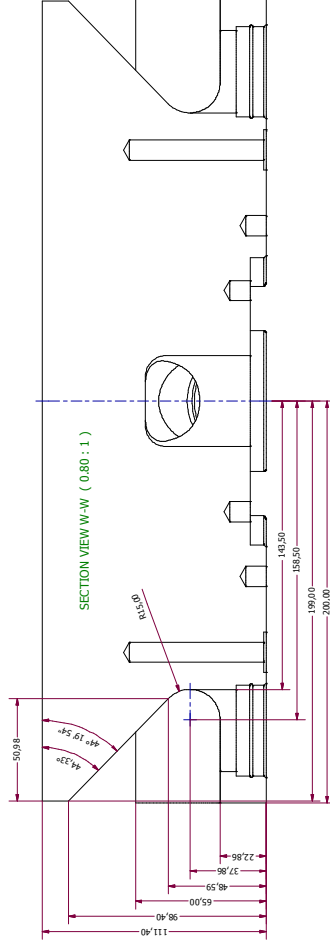
Front End Test Stand



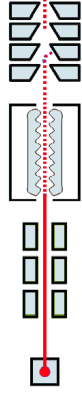
DETAIL VIEW B (1.25 : 1)

[illegible]

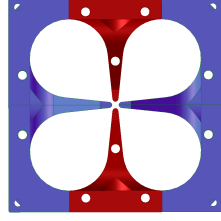
Operation 1.



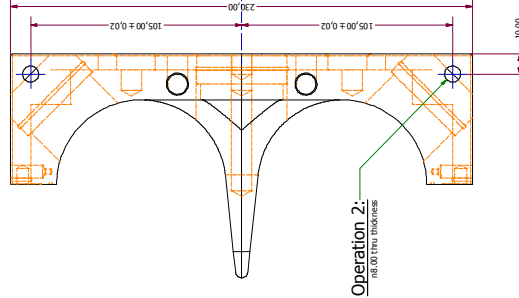
SECTION VIEW W-W (0.80 : 1)



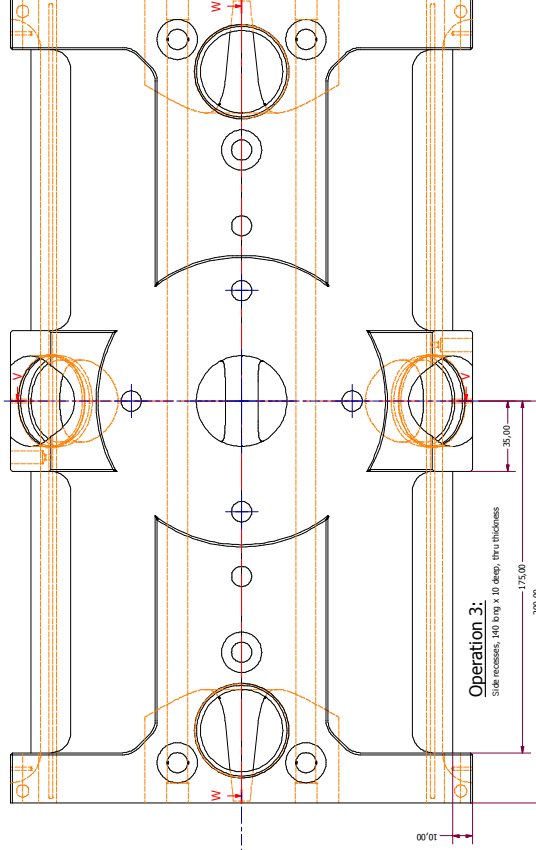
Front End Test Stand



* Braze slot detail. 4 braze slots in total, all on the 'urd' side when assembled for brazing

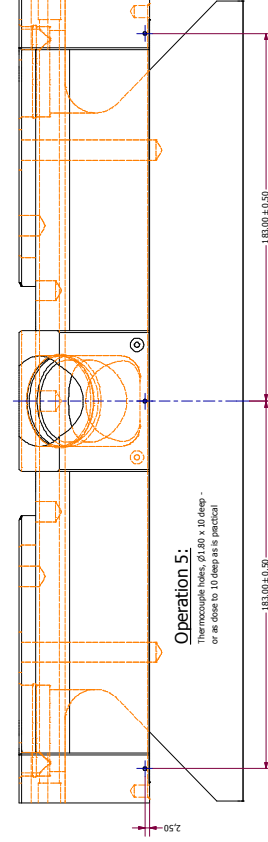


Operation 2:
n8.00 thru thickness



Operation 3:

operation:
Side recesses, 140 long x 10 deep, thru thickness



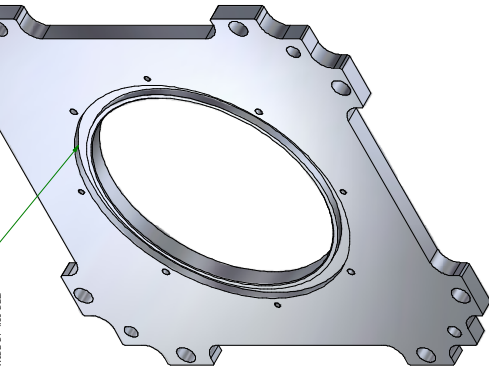
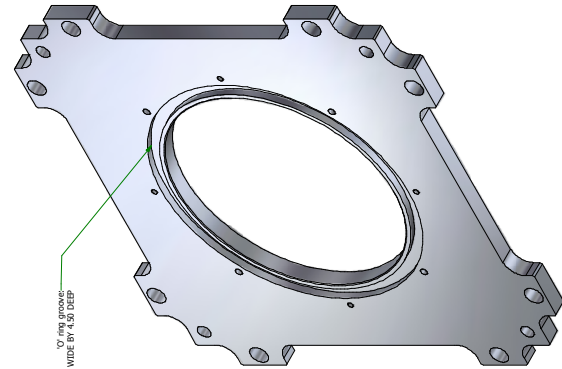
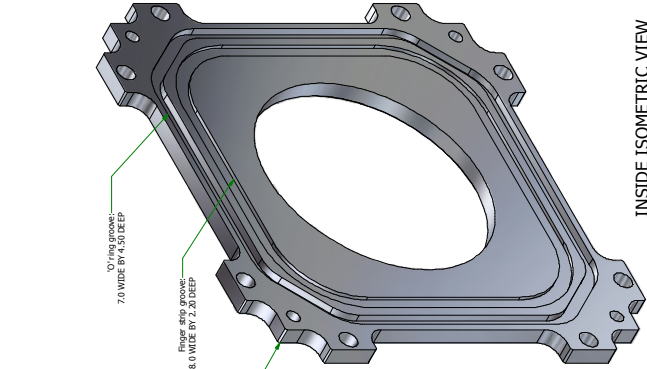
Operation 5:

Operation:
Thermocouple holes, $\varnothing 1.80 \times 10$ deep -
or as close to 10 deep as is practical

1) Vane cutbacks.....	2 per quarter
2) End holes.....	4 per large quarter
3) Side recesses.....	4 per large quarter
4) 45 degree surface and KF40 hole.....	2 per large quarter
5) Thermocouple holes.....	6 per large quarter
6) Braze slots.....	1 per small quarter *

Operation 4:

RFQ Qd Model - Operations for Databay				
Title:				
Drawn by:	P. Savage	Project:	Third angle	
Designed by:	M. J. Page	Model file:	Qd.rpt. lae. Assembled.am	
Checked by:		Drawing file:	RFQVdwModelComplete.rvt	
Date:	May 2007	Version number:	1.1.1.5.5	
Drawn by:		Sheet number:	5.7.18	
Material:	QdC is supplied	Number of:	N/A	
Dimensions:	mm			
Scale:	0.80:1	Drawing number:	IC-REF JPS. JETS. D05	
Content Compliance: 47.01 u.s.o.s.				

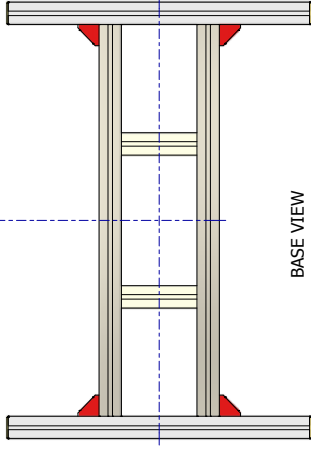
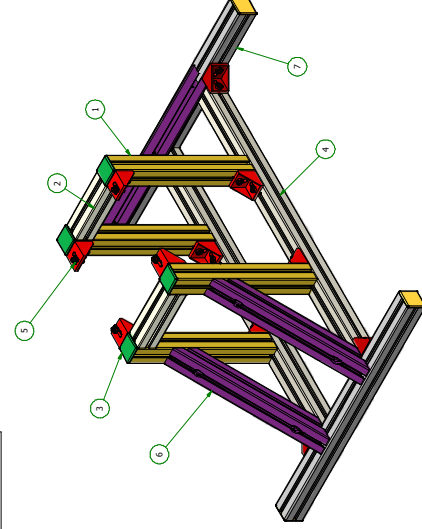
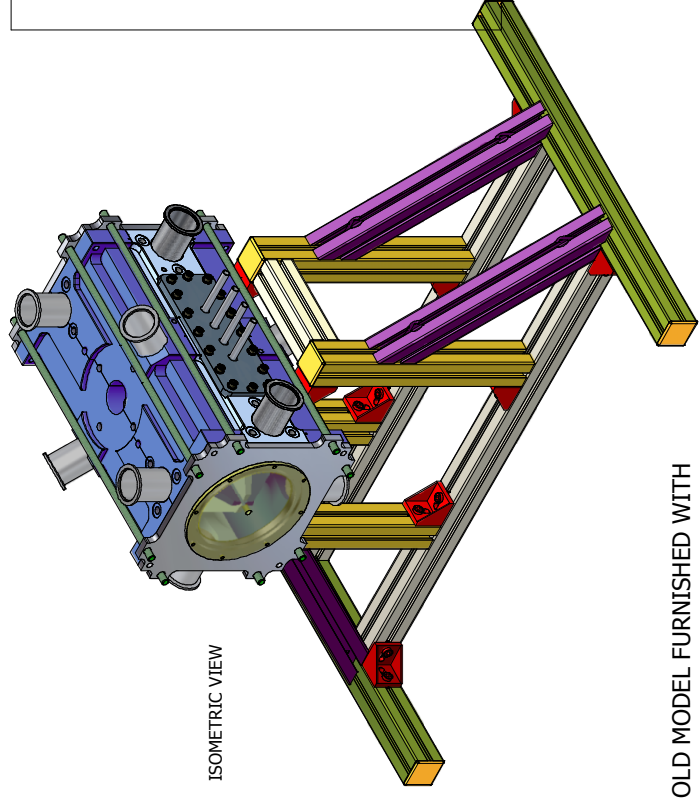
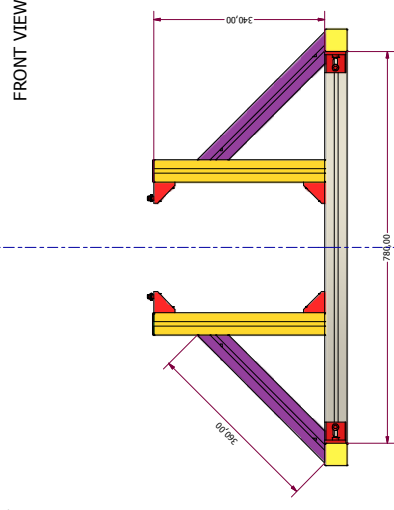
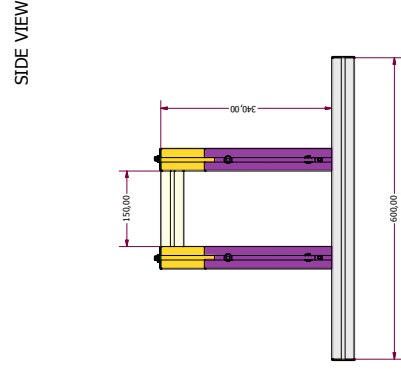
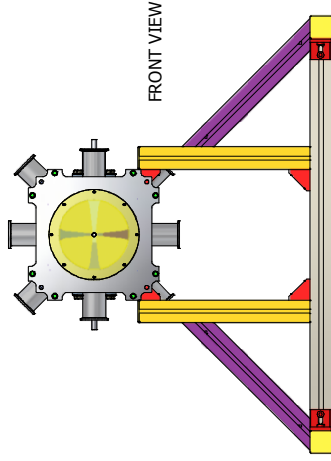
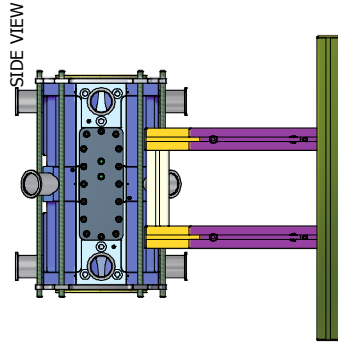


OUTSIDE ISOMETRIC VIEW

Dimensional tolerance:	X	± 0.5mm
	X,X	± 0.2mm
	X,XX	± 0.1mm
Angular tolerance:		± 0.5°
Hole centres:		± 0.05mm
Surface finish:		1.6 microns
Dimensions in mm.		

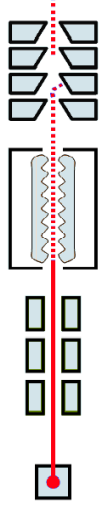
RHQ Cold Model - End Flange & Insert						
Name:						
Drawn by:	P. Savage	Projection:	Third angle			
Designed by:	P. Savage	Mk'd file:	EndFlange.dwg			
Checked by:		Drawing title:	RQWashColdModelComplete.dwg			
Date:	May 2007	Project number:	PROJECT			
Manufactured by:		Front and end Stand	6 / 18			
Material:	Defined part per mm	Sheet number:	Number off:			
Dimensions:	mm	Number of part	IC, HPF PHS, FETS, DDBS			
Scale:		Drawing number:				
Customer Name:	Tosmar delivery date: 11/1/97					

RFQ COLD MODEL - SUPPORT STAND



ITEM	QTY	PART LIST ITEM NUMBER	DESCRIPTION
1	4	45x45 SF Vertical	Length = 500
2	2	45x45 SF Top	Length = 150
3	8	127.10x7.1.4_EndCap	Length = 780
4	2	45x45 SF BaseCrossMember	Length = 360
5	4	45x45 SF BaseCrossMember	Length = 600
6	4	45x45 SF BaseCrossMember	Length = 600
7	2	45x45 SF BaseCrossMember	Length = 600

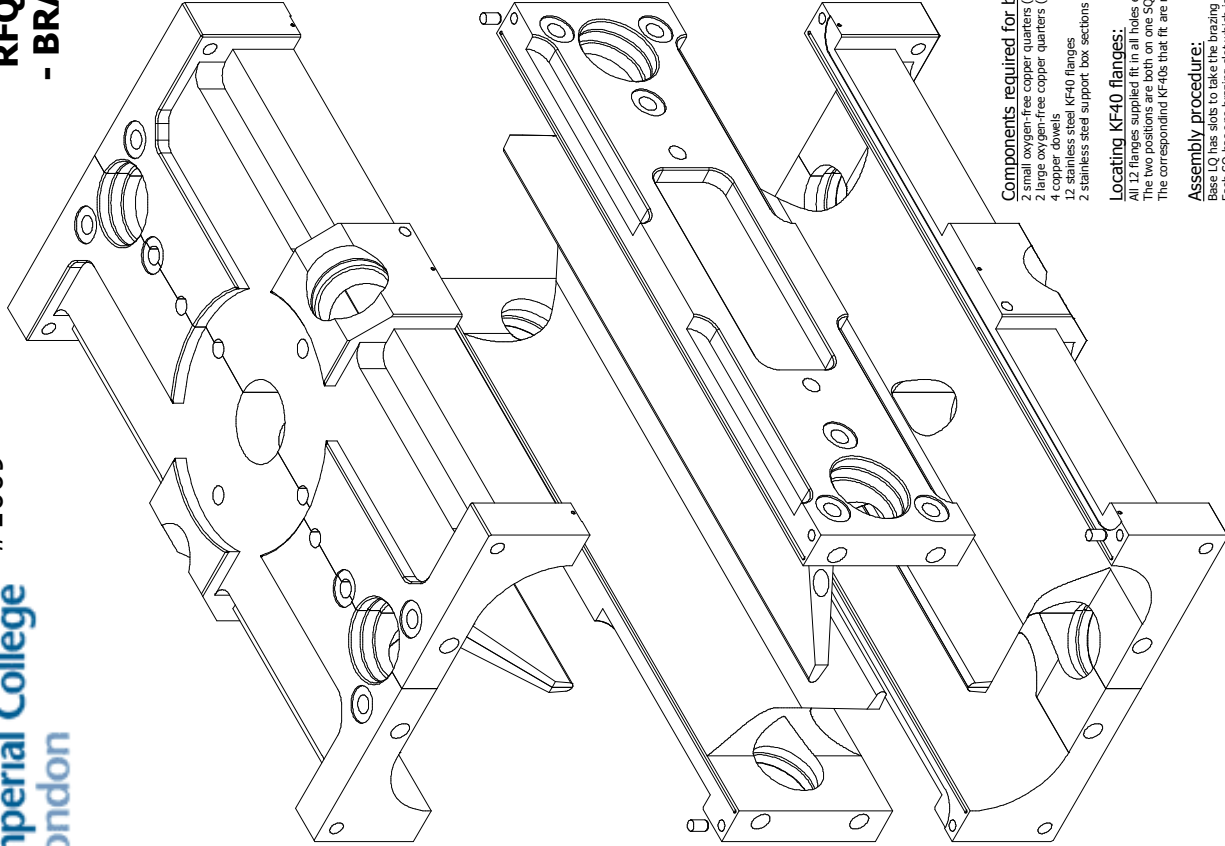
Front End Test Stand



RFQ COLD MODEL FURNISHED WITH
TUNERS AND VACUUM PUMPS MOUNTED
ON SUPPORT STAND

RFQ Cold Model - Support Stand			
Drawn by:	B. S. S. S.	Model name:	RFQ Support Stand
Designed by:	N/A	Model file:	RFQ_View_Models_Complete.dwg
Checked by:	N/A	Version number:	1
Date:	May 2007	Project:	RFQ Cold Model Test Stand
Manufactured by:	P. S. S. S.	Project:	RFQ Cold Model Test Stand
Dimensions:	mm	Number of:	1 Complete stand
Scale:	N/A	Drawing number:	IC-REP-PIS-3007
General Tolerance:	± 0.5	Notes:	

RFQ COLD MODEL - BRAZE ASSEMBLY

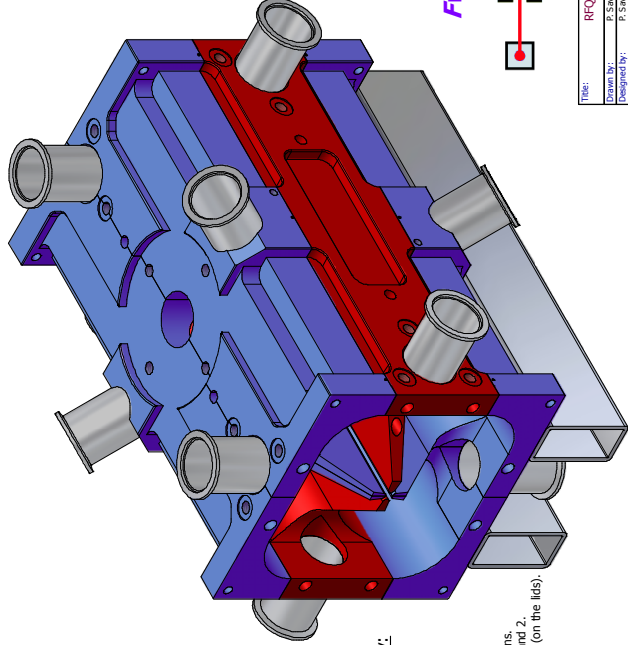
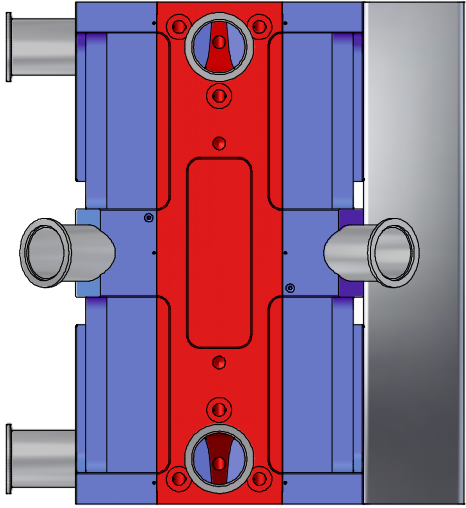
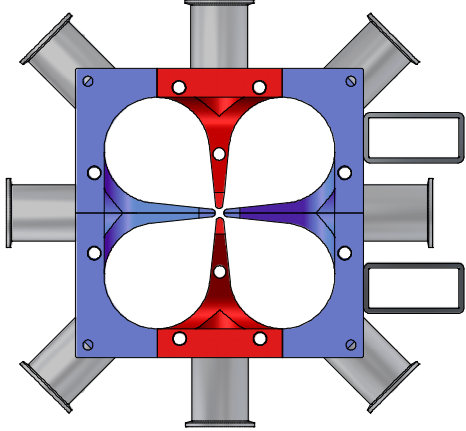


Components required for braze assembly:
 2 small oxygen-free copper quarters (SQ)
 2 large oxygen-free copper quarters (LQ)
 4 copper dowels
 12 stainless steel KF-40 flanges
 2 stainless steel support box sections

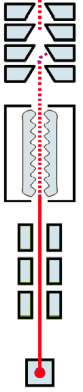
Locating KF-40 flanges:
 All 12 flanges supplied fit in all holes except at two positions.
 The two positions are both on one SQ and are marked 1 and 2.
 The corresponding KF-40s that fit are marked 1 and 2 also (on the lids).

Assembly procedure:
 Base LQ has slots to take the brazing paste.
 Each SQ has one brazing slot which is to face uppermost.
 Each SQ has four KF-40 flanges attached.
 Insert two dowels into the base LQ at diagonal opposite corners.
 Insert two LQ using dowels. RFQ will be aligned and rest on vane, this is fine.
 Insert two dowels, one in each SQ, in the opposite diagonal locations to those in the base LQ.
 Position top LQ.

PLEASE TAKE CARE NOT TO DAMAGE INSIDE FACES OF COPPER PARTS



Front End Test Stand



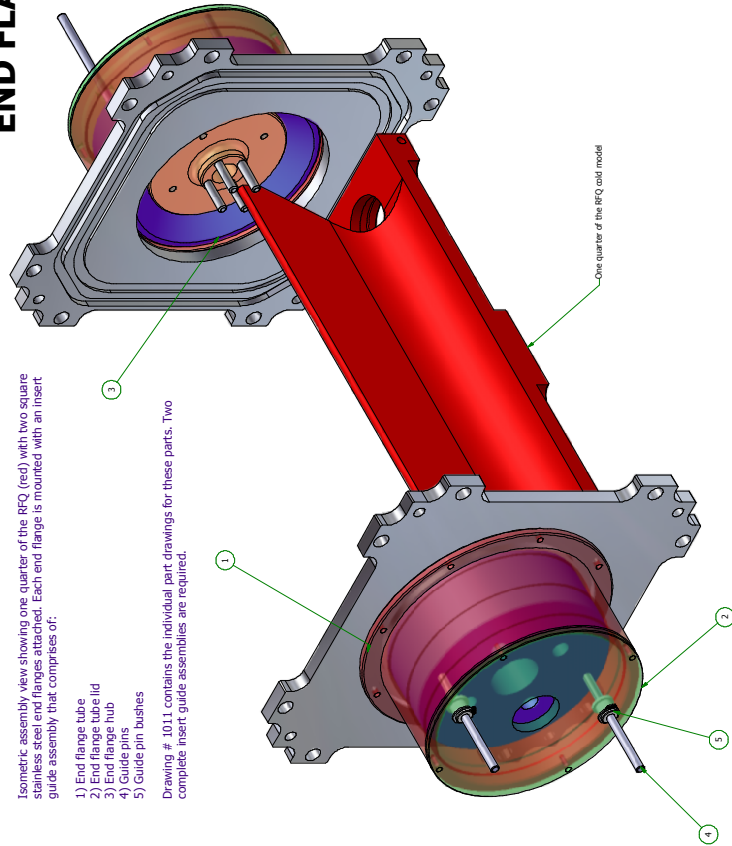
RFQ Cold Model - Braze Assembly			
Drawn by:	P. Singh	Project:	2d/Braze/PAU.asm
Designed by:	P. Singh	Model file:	RFQ Vane Model/Complete.asm
Drawn by:	May 2007	Version number:	N/A
Designed by:	May 2007	Project:	RFQ Vane Model
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Designed by:	May 2007	Project:	RFQ Vane Model
Drawn by:	May 2007	Project:	RFQ Vane Model
Designed by:	May 2007	Project:	RFQ Vane Model
Drawn by:	May 2007	Project:	RFQ Vane Model
Designed by:	May 2007	Project:	RFQ Vane Model

RFQ COLD MODEL - END FLANGE INSERT DESIGNS

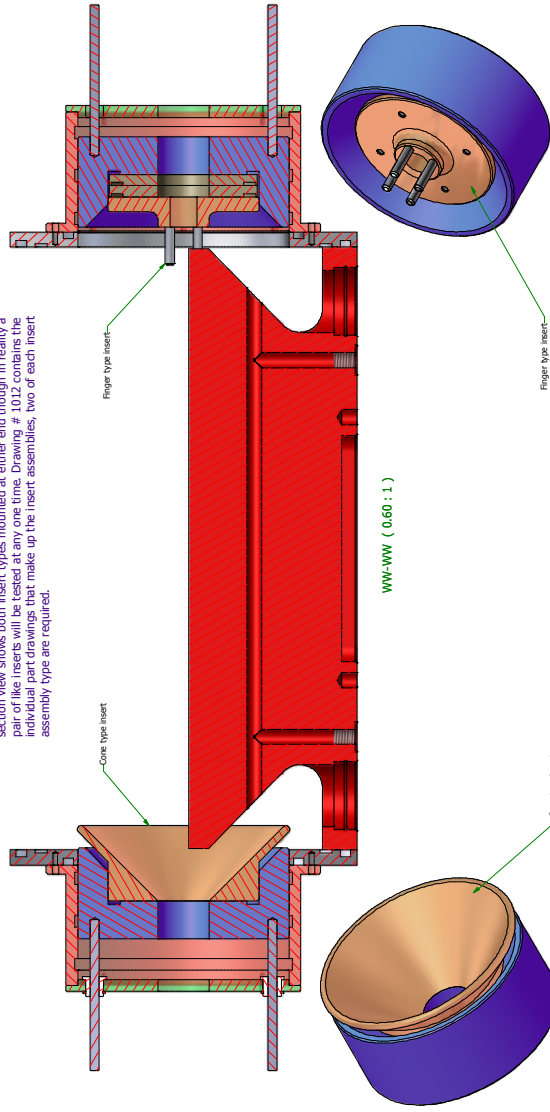
Isometric assembly view showing one quarter of the RFQ (red) with two square stainless steel end flanges attached. Each end flange is mounted with an insert guide assembly that comprises of:

- 1) End flange tube
- 2) End flange tube lid
- 3) End flange hub
- 4) Guide pins
- 5) Guide pin bushes

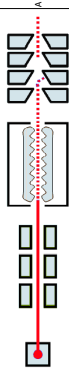
Drawing # 1011 contains the individual part drawings for these parts. Two complete insert guide assemblies are required.



The aim is to test two types of insert, a cone type and a finger type. This side section view shows both insert types mounted at either end though in reality a pair of like inserts will be tested at any one time. Drawing # 1012 contains the individual part drawings that make up the insert assemblies, two of each insert assembly type are required.

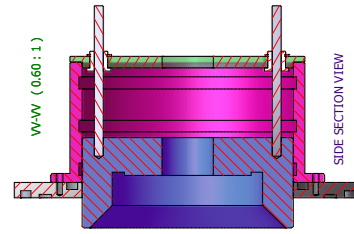
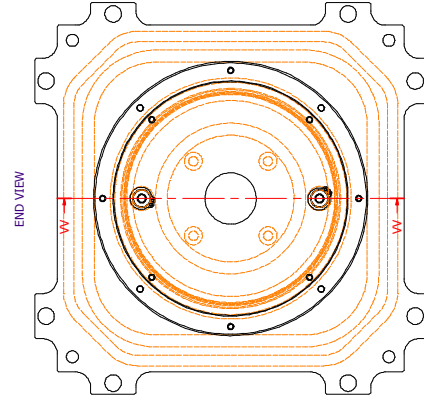
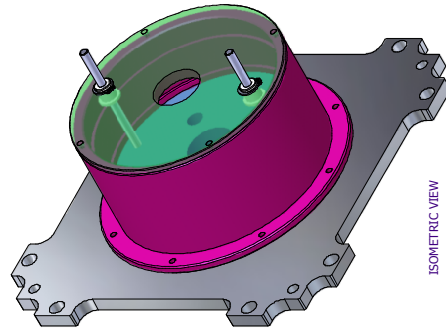


WW-VW (0.60 : 1)

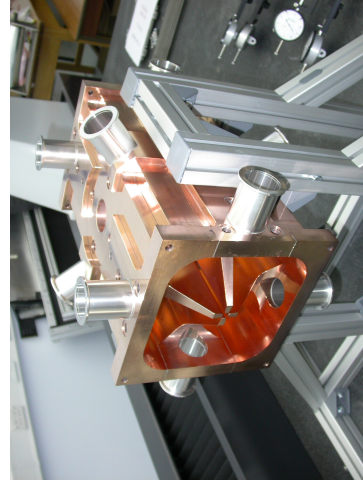


Front End Test Stand

INSERT GUIDE ASSEMBLY



A photograph showing the complete RFQ cold model after brazing.



RFQ Cold model - end flange insert design				
File:				
Drawn by:	P. Savage	Projection:	Third angle	
Designed by:	P. Savage	Model file:	TableToFlange.asm	
Created by:	July 2007	Drawing file:	RFQVanDykeComplete.dwg	
Material:	Aluminum	Process number:		
MSI dimensions:	N/A	From End 1 Test Stand		
Number:	9 / JB	Sheet number:	N/A	
Scale:	Not to scale	Drawing number:	IC-REF-PTS-1010	
General Tolerance:	N/A			

RFQ COLD MODEL - END FLANGE INSERT GUIDE COMPONENTS

Unless otherwise stated:

Dimensional tolerance: X $\pm 0.5\text{mm}$

X.X ± 0.2mm

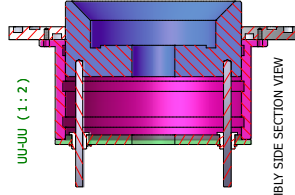
X.XX ± 0.1mm

Angular tolerance:

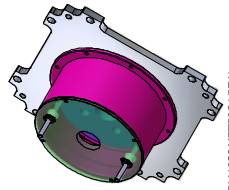
Hole centres: $\pm 0.05\text{mm}$

Surface finish: 1.6 microns

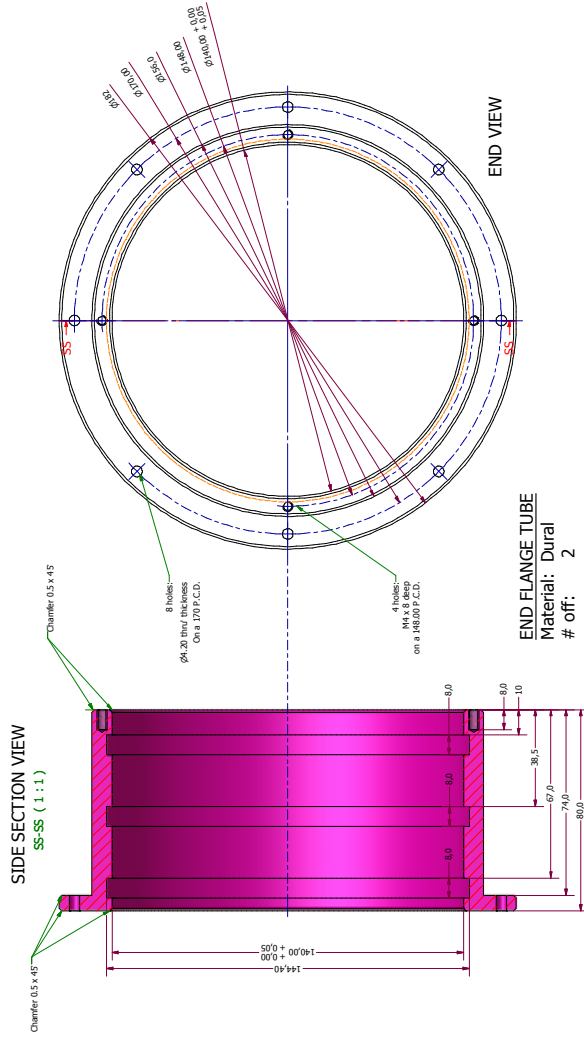
Dimensions in mm



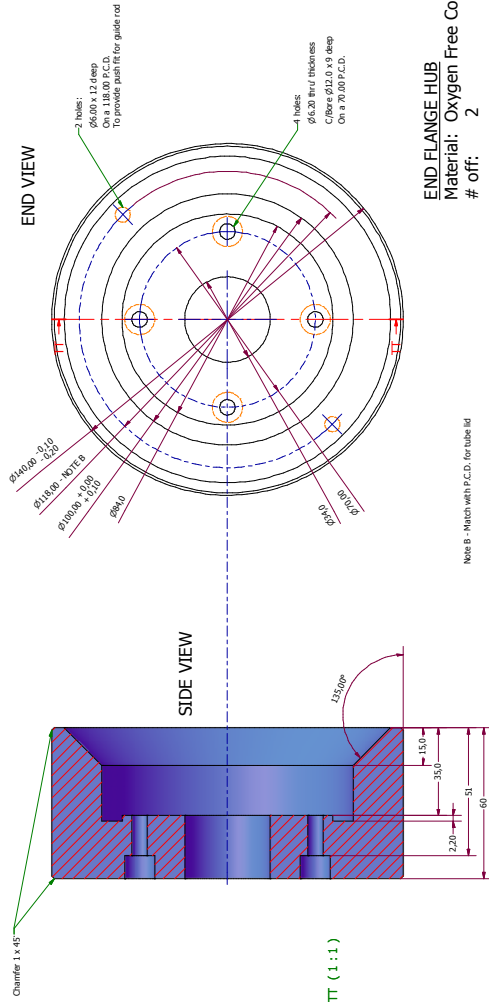
ASSEMBLY SIDE SECTION VIEW



ASSEMBLY ISOMETRIC VIEW

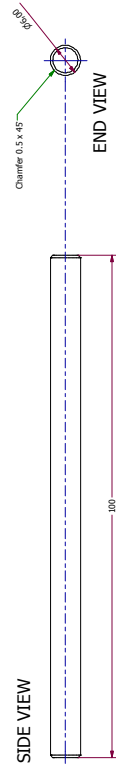


END FLANGE TUBE
Material: Dural
off: 2

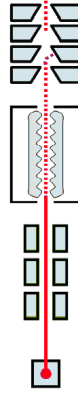


END FLANGE HUB
Material: Oxygen Free Copper
off: 2

Note B - Match with P.C.D. for tube lid

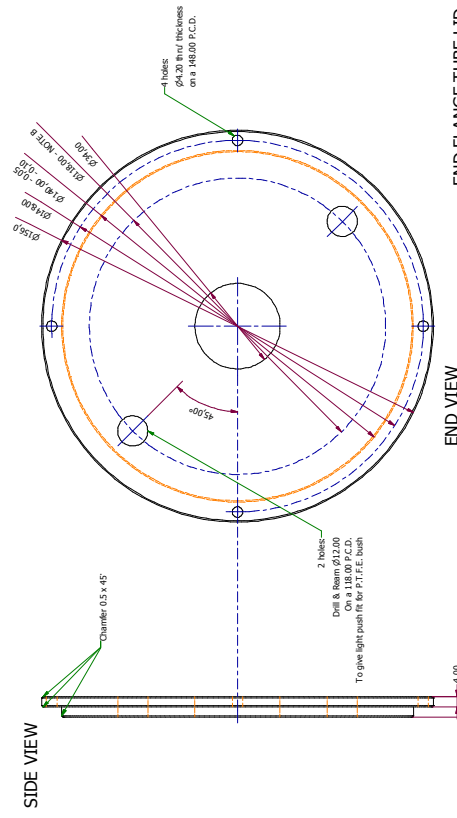


SIDE VIEW

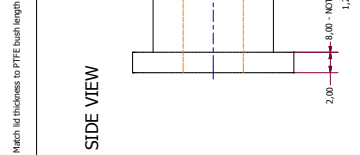


Front End Test Stand

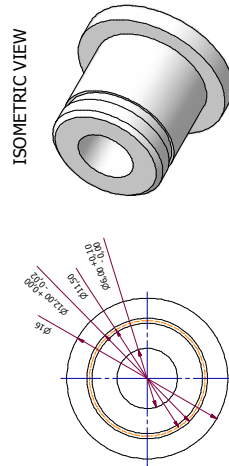
GUIDE ROD
Material: Silver steel
off: 4



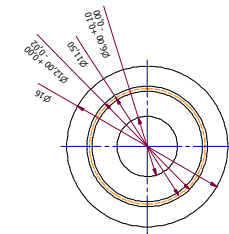
END VIEW



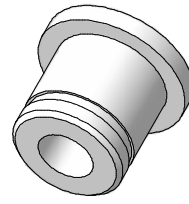
SIDE VIEW



ISOMETRIC VIEW



END VIEW



GUID PIN BUSH
Material: P.T.F.E
off: 4

[illegible]

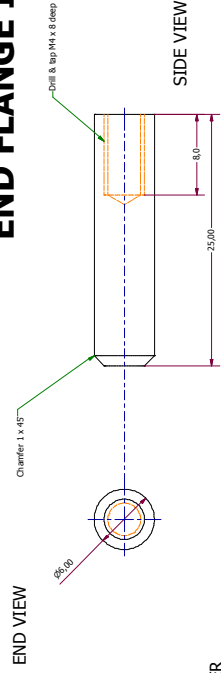
Unless otherwise stated:

Dimensional tolerance: X $\pm 0.5\text{mm}$
XX $\pm 0.2\text{mm}$
XXX $\pm 0.1\text{mm}$

Angular tolerance: $\pm 0.5^\circ$
Hole centres: $\pm 0.05\text{mm}$
Surface finish: 1.6 microns
Dimensions in mm

#1012

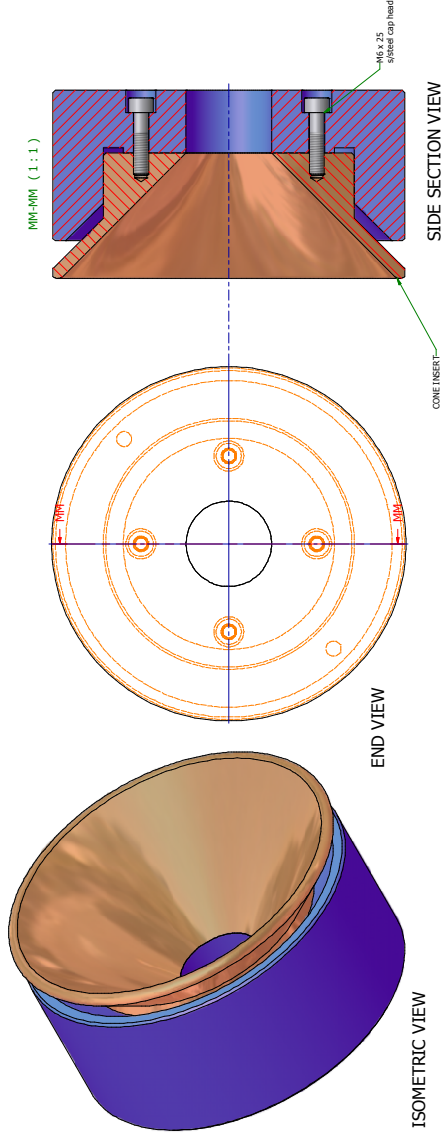
RFQ COLD MODEL - END FLANGE INSERTS



FINGER

- 2 sets of 8 required:
- 1 set of 8 made using oxygen free copper
- 1 set of 8 made using iron or high iron content steel

CONE TYPE INSERT ASSEMBLY



CONE INSERT

Material: Oxygen Free Copper

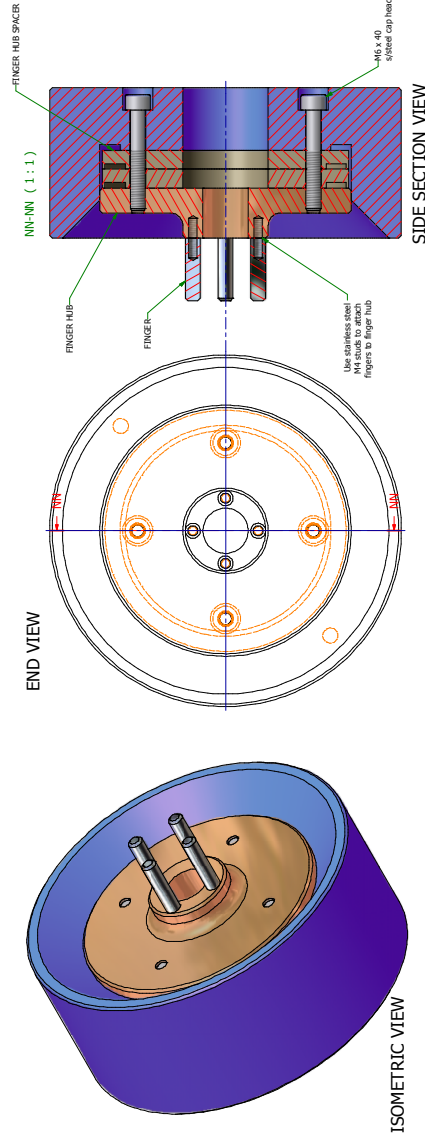
off: 2

FINGER HUB

Material: Oxygen Free Copper

off: 2

FINGER TYPE INSERT ASSEMBLY

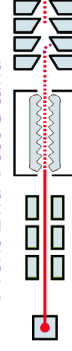


FINGER HUB SPACER

Material: Oxygen Free Copper

off: 4

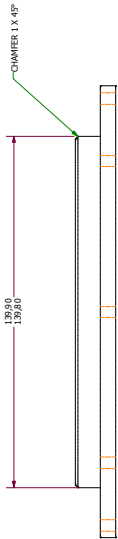
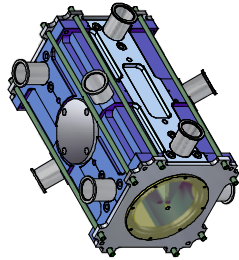
Front End Test Stand



RFQ Cold Model - End flange inserts

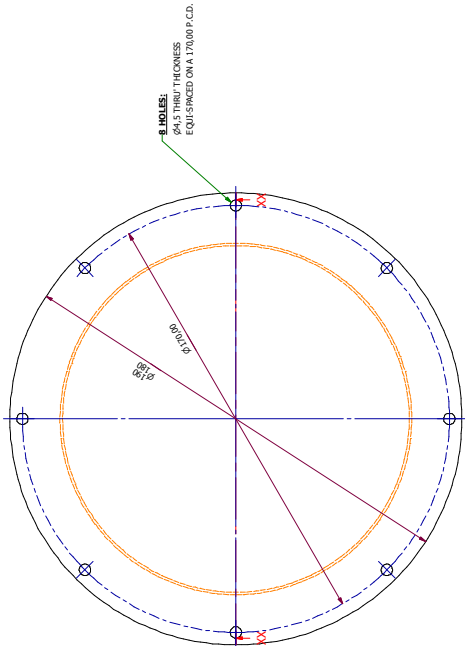
Drawn by	B. S. S. S.	Check by	B. S. S. S.
Designed by	P. S. S. S.	Model file	RFQ Cold Model - End flange inserts
Drawn by	B. S. S. S.	Version number	2
Drawn by	B. S. S. S.	Project	RFQ Cold Model - End flange inserts
Drawn by	B. S. S. S.	Standard per part	Standard per part
Drawn by	B. S. S. S.	Number of	Standard per part
Drawn by	B. S. S. S.	Drawing number	IC-REP-PIS-RET-2012
Drawn by	B. S. S. S.	Scale	Not to scale
Drawn by	B. S. S. S.	General tolerance	Standard per part
Drawn by	B. S. S. S.	Part name	RFQ Cold Model - End flange inserts

RFQ COLD MODEL VACUUM TEST



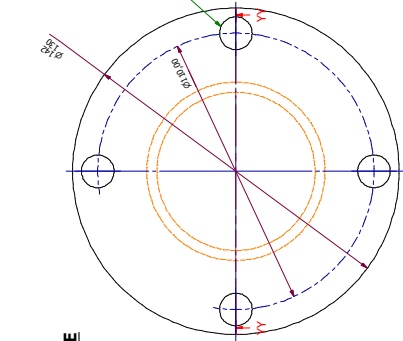
SIDE VIEW

SIDE VIEW



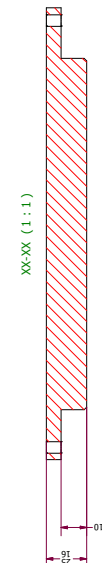
FACE VIEW

END FLANGE
Material: Dural
Number off: 2

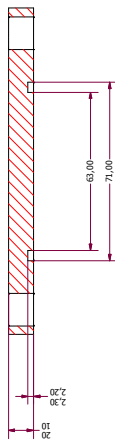


FACE VIEW

TOP & BOTTOM PORT FLANGE
Material: Dural
Number off: 2



SECTION VIEW



SECTION VIEW

Unless otherwise stated:

Dimensional tolerance:	X	± 0.5mm
	XX	± 0.2mm
	XXX	± 0.1mm
Angular tolerance:		± 0.5°
Hole centres:		± 0.05mm
Surface finish:		1.6 microns
Dimensions in mm		

Parts required:

- 1) Hex socket cap screw M4 x 12mm, 16 OFF TOTAL
- 2) Ø5,7mm 'O' ring chord

Parts required:

- 1) Steel M12 studs M12 x 40mm, 8 OFF TOTAL, RS 303-1085
- 2) M12 Nuts & Washers, 8 OFF TOTAL
- 2) Ø3,0mm 'O' ring Ref no. 0625-30, 2 OFF

RFQ Cold Model Vacuum Test

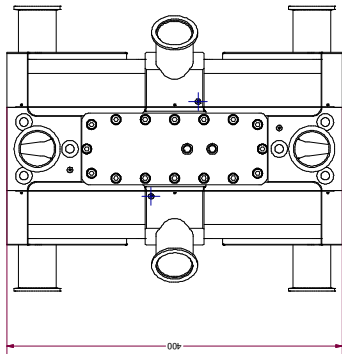
Drawn by:	B. S. S. S.	Check by:	B. S. S. S.	Test angle:	Test angle
Designed by:	P. S. S. S.	Model file:	RFQ Cold Model Vacuum Test	Test angle:	Test angle
Checked by:	N/A	Version file:	RFQ Cold Model Vacuum Test	Test angle:	Test angle
Date:	20th July 2010	Version number:	1	Test angle:	Test angle
Manufactured by:	RFQ workshop	Project:	RFQ Cold Model Vacuum Test	Test angle:	Test angle
Dimensions:	mm	Number off:	2 each type	Test angle:	Test angle
Scale:	Do not scale	Drawing number:	IC-REP-PJS-1012	Test angle:	Test angle
General Tolerance:	Standard	Part no:		Test angle:	Test angle

RFQ COLD MODEL

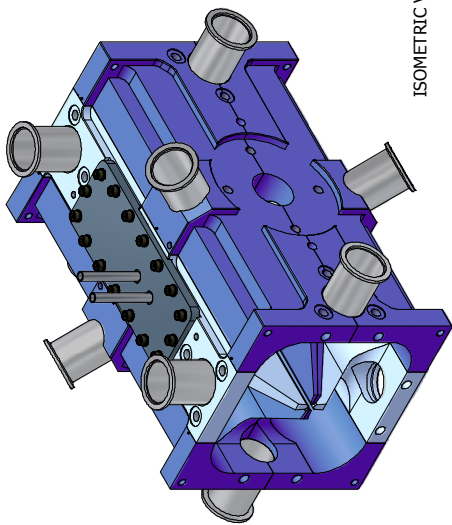
ADDING COOLING CAPABILITY

JOB

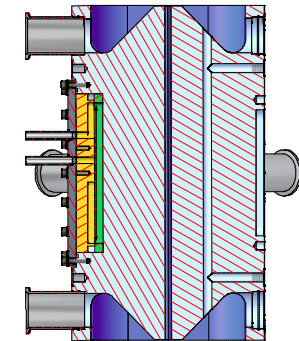
- 1) TO MACHINE COOLING POCKETS INTO BOTH MINOR VANES OF THE RFQ COLD MODEL
- 2) TO ADD THERMOCOUPLE HOLES
- 3) TO MACHINE 2 BAFFLE ASSEMBLIES



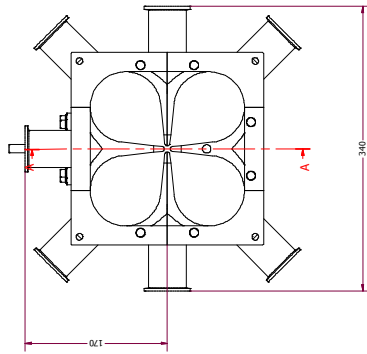
PLAN VIEW



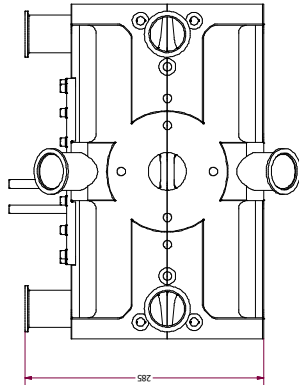
ISOMETRIC VIEW



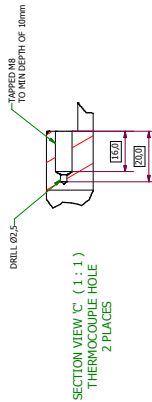
SIDE SECTION VIEW
A-A



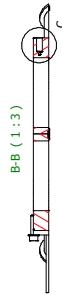
END VIEW



SIDE VIEW



SECTION VIEW C' (1:1)
THERMOCOUPLE HOLE
2 PLACES



B-B (1:3)

Unless otherwise stated:

Dimensional tolerance: X $\pm 0.5\text{mm}$

X.X $\pm 0.2\text{mm}$

X.XX $\pm 0.1\text{mm}$

Angular tolerance:

$\pm 0.5^\circ$

Hole centres: $\pm 0.05\text{mm}$

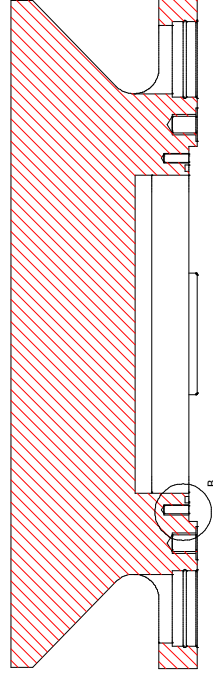
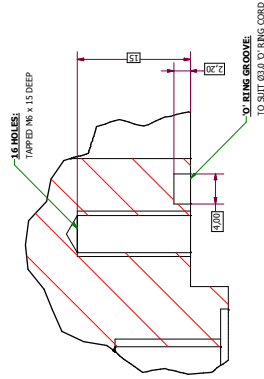
Surface finish: 1.6 microns

Dimensions in mm

RFQ Cold Model - Adding Cooling Capability

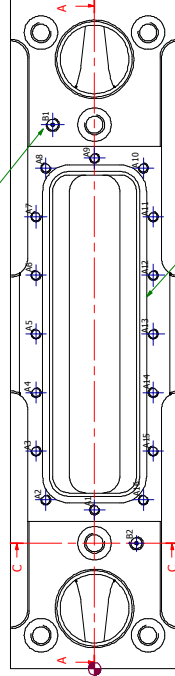
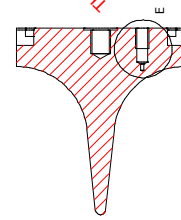
Drawn by:	B. S. S. S.	Model name:	RFQ Cold Model
Designed by:	P. S. S. S.	Model file:	RFQ Cold Model
Checked by:	N/A	Drawing file:	RFQ Cold Model
Date:	17th February 2011	Version number:	1
Manufactured by:	E. C. S. S. S.	Project:	RFQ Cold Model
Drawn by:	E. C. S. S. S.	Project:	RFQ Cold Model
Checked by:	N/A	Project:	RFQ Cold Model
Dimensions:	mm	Number of:	2 cooling pockets
Scale:	Do not scale	Drawing number:	IC-REP-PIS-1013
General Tolerance:	N/A	Part name:	RFQ Cold Model

RFQ COLD MODEL

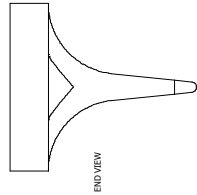
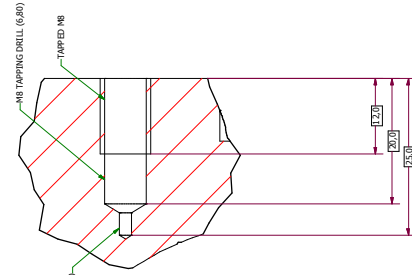


MOLE	MOLE	YOUNG	DESCRIPTION
A1	95.00	0.00	Metal - GH
A2	100.00	0.00	Metal - GH
A3	130.00	35.00	Metal - GH
A4	165.00	35.00	Metal - GH
A5	200.00	35.00	Metal - GH
A6	235.00	35.00	Metal - GH
A7	270.00	35.00	Metal - GH
A8	299.14	29.14	Metal - GH
A9	305.00	0.00	Metal - GH
A10	299.14	-29.14	Metal - GH
A11	276.00	-35.00	Metal - GH
A12	240.00	-35.00	Metal - GH
A13	200.00	-35.00	Metal - GH
A14	165.00	-35.00	Metal - GH
A15	130.00	-35.00	Metal - GH
A16	100.00	-29.14	Metal - GH
B1	275.00	0.00	Metal - GH
B2	275.00	0.00	Metal - GH
B3	275.00	0.00	Metal - GH
B4	275.00	0.00	Metal - GH
B5	275.00	0.00	Metal - GH
B6	275.00	0.00	Metal - GH
B7	275.00	0.00	Metal - GH
B8	275.00	0.00	Metal - GH
B9	275.00	0.00	Metal - GH
B10	275.00	0.00	Metal - GH
B11	275.00	0.00	Metal - GH
B12	275.00	0.00	Metal - GH
B13	275.00	0.00	Metal - GH
B14	275.00	0.00	Metal - GH
B15	275.00	0.00	Metal - GH
B16	275.00	0.00	Metal - GH
B17	275.00	0.00	Metal - GH
B18	275.00	0.00	Metal - GH
B19	275.00	0.00	Metal - GH
B20	275.00	0.00	Metal - GH
B21	275.00	0.00	Metal - GH
B22	275.00	0.00	Metal - GH
B23	275.00	0.00	Metal - GH
B24	275.00	0.00	Metal - GH
B25	275.00	0.00	Metal - GH
B26	275.00	0.00	Metal - GH
B27	275.00	0.00	Metal - GH
B28	275.00	0.00	Metal - GH
B29	275.00	0.00	Metal - GH
B30	275.00	0.00	Metal - GH
B31	275.00	0.00	Metal - GH
B32	275.00	0.00	Metal - GH
B33	275.00	0.00	Metal - GH
B34	275.00	0.00	Metal - GH
B35	275.00	0.00	Metal - GH
B36	275.00	0.00	Metal - GH
B37	275.00	0.00	Metal - GH
B38	275.00	0.00	Metal - GH
B39	275.00	0.00	Metal - GH
B40	275.00	0.00	Metal - GH
B41	275.00	0.00	Metal - GH
B42	275.00	0.00	Metal - GH
B43	275.00	0.00	Metal - GH
B44	275.00	0.00	Metal - GH
B45	275.00	0.00	Metal - GH
B46	275.00	0.00	Metal - GH
B47	275.00	0.00	Metal - GH
B48	275.00	0.00	Metal - GH
B49	275.00	0.00	Metal - GH
B50	275.00	0.00	Metal - GH
B51	275.00	0.00	Metal - GH
B52	275.00	0.00	Metal - GH
B53	275.00	0.00	Metal - GH
B54	275.00	0.00	Metal - GH
B55	275.00	0.00	Metal - GH
B56	275.00	0.00	Metal - GH
B57	275.00	0.00	Metal - GH
B58	275.00	0.00	Metal - GH
B59	275.00	0.00	Metal - GH
B60	275.00	0.00	Metal - GH
B61	275.00	0.00	Metal - GH
B62	275.00	0.00	Metal - GH
B63	275.00	0.00	Metal - GH
B64	275.00	0.00	Metal - GH
B65	275.00	0.00	Metal - GH
B66	275.00	0.00	Metal - GH
B67	275.00	0.00	Metal - GH
B68	275.00	0.00	Metal - GH
B69	275.00	0.00	Metal - GH
B70	275.00	0.00	Metal - GH
B71	275.00	0.00	Metal - GH
B72	275.00	0.00	Metal - GH
B73	275.00	0.00	Metal - GH
B74	275.00	0.00	Metal - GH
B75	275.00	0.00	Metal - GH
B76	275.00	0.00	Metal - GH
B77	275.00	0.00	Metal - GH
B78	275.00	0.00	Metal - GH
B79	275.00	0.00	Metal - GH
B80	275.00	0.00	Metal - GH
B81	275.00	0.00	Metal - GH
B82	275.00	0.00	Metal - GH
B83	275.00	0.00	Metal -

M6 TAPPED HOLES DRILLED Ø5,2
(STANDARD Ø5,0)

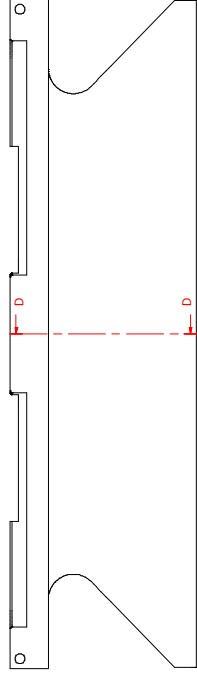


2 PLACES

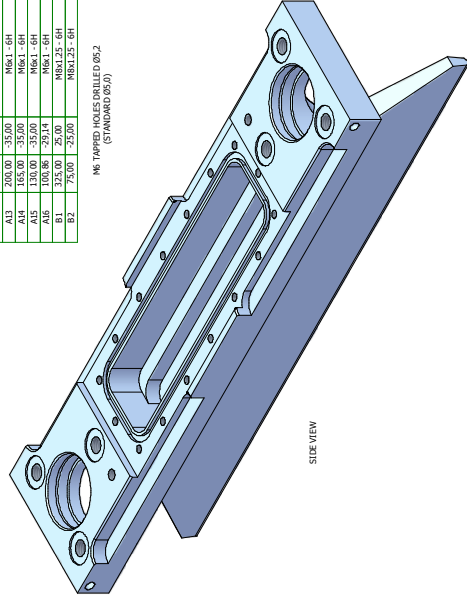
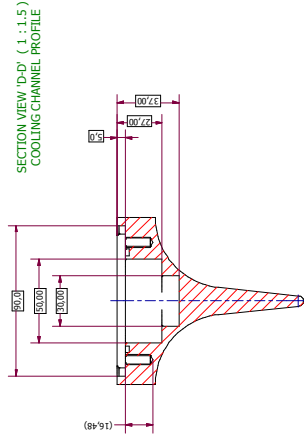


Unless otherwise stated:

Dimensional tolerance:	X	± 0.5mm
	X.X	± 0.2mm
	X.XX	± 0.1mm
Angular tolerance:		± 0.5°
Hole centres:		± 0.05mm
Surface finish:		1.6 microns
Dimensions in mm		



SIDE VIEW

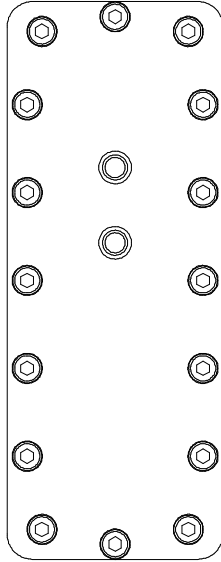


SIDE VIEW

RFQ Cold Model - Cooling Pocket Detail				
File:	P. Savage	Project:	Third angle	
Drawn by:	P. Savage	Model file:	Front view - Small	Coord: jdw
Designed by:	N/A	Drawn file:	RFQ Cold Model - Cooling.pdw	
Checked by:	N/A	Project:	RFQ Cold Model - Cooling	
Manufactured by:	J. Gark, IEP workshop	Part name:	Front End - Cold Stand	
Material:	Oxygen Free Copper	Sheet number:	14 / 18	
Dimensions:	mm	Number of:	2 pockets &	
Scale:	Do not scale	Drawing number:	RFQ Cold Model - Cooling	
Part name:	RFQ Cold Model - Cooling	Part name:	RFQ Cold Model - Cooling	
Part number:	RFQ Cold Model - Cooling	Part number:	RFQ Cold Model - Cooling	

RFQ COLD MODEL BAFFLE ASSEMBLY

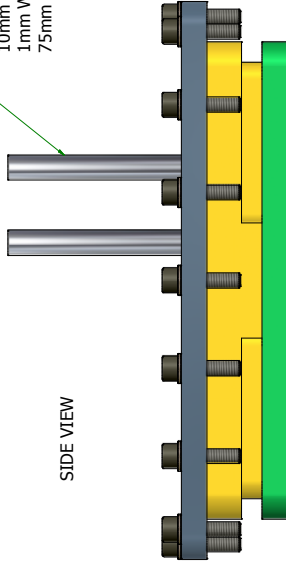
2 OFF



PLAN VIEW

2 OFF (PER ASSEMBLY)

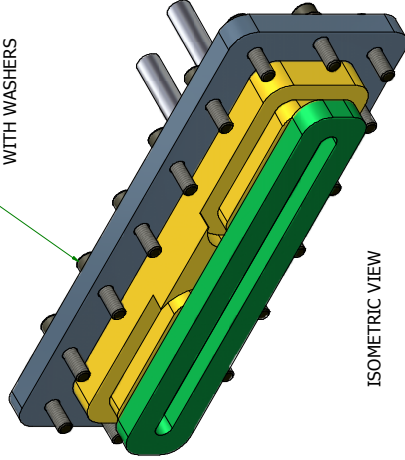
STAINLESS STEEL
SEAMLESS TUBE
10mm O.D.
1mm WALL THICKNESS
75mm LONG



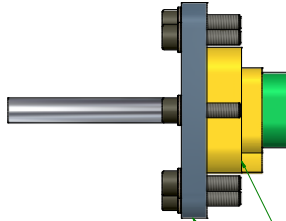
SIDE VIEW

16 OFF (PER ASSEMBLY)

M6 X 25 S/STEEL
CAPHEAD SCREWS
WITH WASHERS



ISOMETRIC VIEW

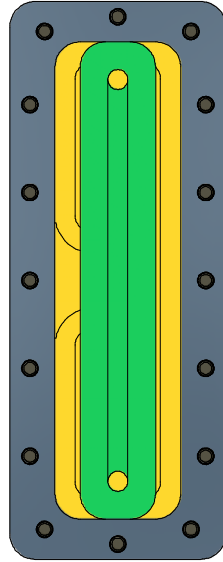


END VIEW

LID

TOP-LEVEL BAFFLE

BOTTOM-LEVEL BAFFLE



BASE VIEW

Unless otherwise stated:

Dimensional tolerance: X $\pm 0.5\text{mm}$
X.X $\pm 0.2\text{mm}$
X.XX $\pm 0.1\text{mm}$

Angular tolerance: $\pm 0.5^\circ$
Hole centres: $\pm 0.05\text{mm}$
Surface finish: 1.6 microns
Dimensions in mm

RFQ Cold Model - Baffle Assembly

Drawn by:	B. Savage	Check by:	P. Savage	Rev. no.:	1
Designed by:	N/A	Model file:	RFQ_Vault_Models_Complete.xprt	Rev. desc.:	Baffle assembly.xprt
Checked by:	17th February 2011	Drawing file:	RFQ_Vault_Models_Complete.xprt	Version number:	1
Date:	17th February 2011	Project:	RFQ_Vault_Models_Complete.xprt	Project name:	RFQ_Vault_Models_Complete.xprt
Manufactured by:	1.00mm, 100% working	Part name:	RFQ_Vault_Models_Complete.xprt	Part number:	RFQ_Vault_Models_Complete.xprt
Material:	1.00mm, 100% working	Part name:	RFQ_Vault_Models_Complete.xprt	Part number:	RFQ_Vault_Models_Complete.xprt
Dimensions:	mm	Part name:	RFQ_Vault_Models_Complete.xprt	Part number:	RFQ_Vault_Models_Complete.xprt
Scale:	Do not scale	Part name:	RFQ_Vault_Models_Complete.xprt	Part number:	RFQ_Vault_Models_Complete.xprt
General Tolerance:	Standard per part	Part name:	RFQ_Vault_Models_Complete.xprt	Part number:	RFQ_Vault_Models_Complete.xprt
Notes:		Part name:	RFQ_Vault_Models_Complete.xprt	Part number:	RFQ_Vault_Models_Complete.xprt

2 OFF
MATERIAL: COPPER

16 HOLES
POSITIONS SHOWN IN HOLE TABLE

2 HOLES
SEE FIGURE DETAIL B"

120

177

126.2

156.2

A

[illegible]

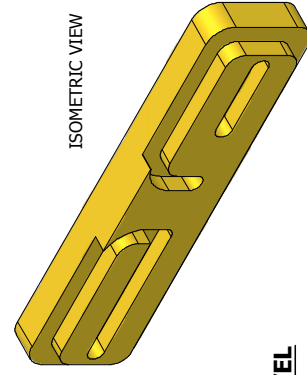
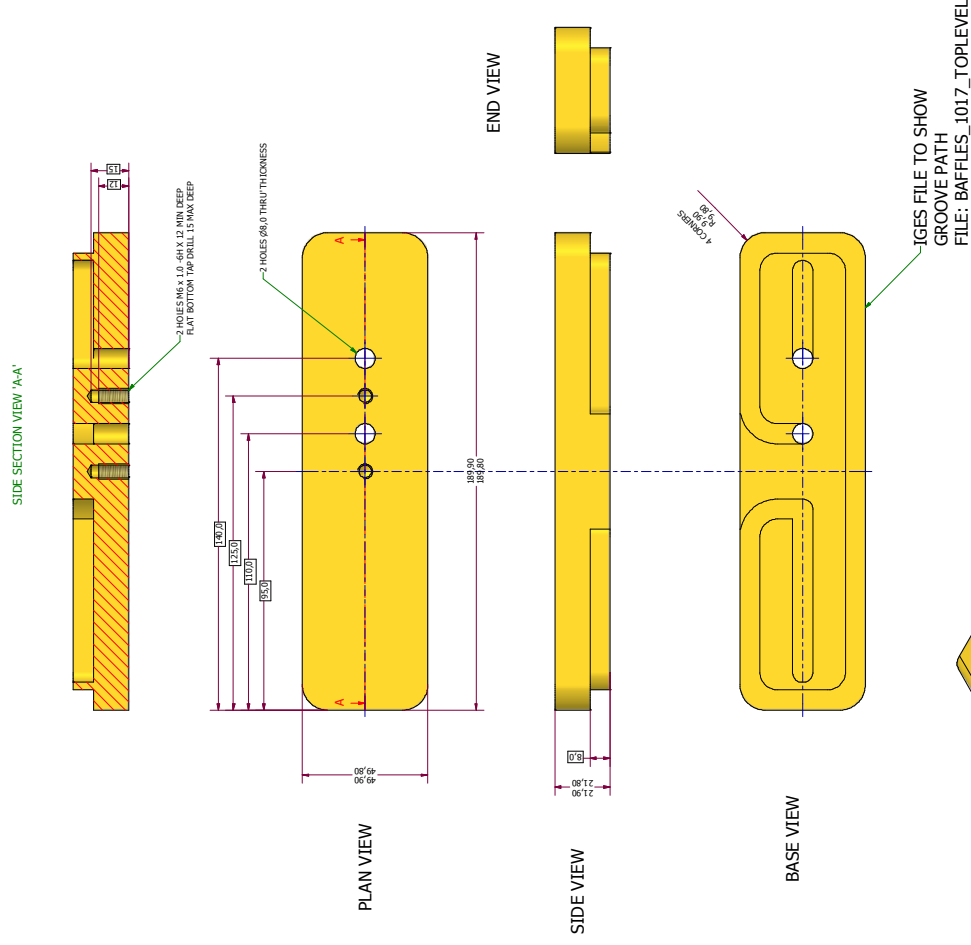
10.00
PUSH FIT FOR S/STEEL TUBE,
10.00 O.D. 1.00 WALL.

Dimensional tolerance:	X	$\pm 0.5\text{mm}$
	XX	$\pm 0.2\text{mm}$
	XXX	$\pm 0.1\text{mm}$

Dimensions in mm

ISOMETRIC
VIEW

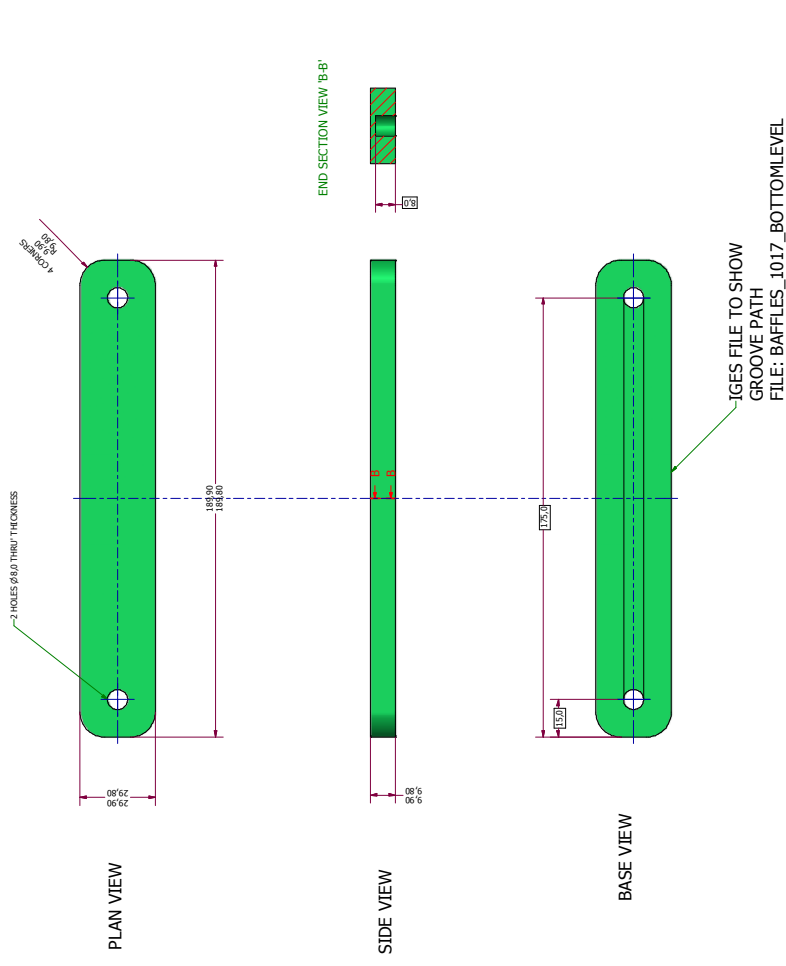
Title:	RFC Cold Model Baffle Assembly Lid					
Drawn by:	P. Searge	Project:	Third angle			
Designed by:	A. Searge	Author:	Rafael Garcia - Lidjet			
Checked by:	J. Searge	Date:	07-09-2010			
DWG:	2nd March 2011	Version number:	See above			
Manufactured by:	1. Clerk, HEP workshop	Project:	Front End Test Stand			
Material:	Copper	Sheet number:	18 / 18			
Dimensions:	mm	Number of:	2			
Scale:	Detail scale	Drawing number:	IL-RFP-OPS-FETS-1016			
Notes/Comments:	See attachment (new)					



BAFFLE - TOP LEVEL
2 OFF
MATERIAL: COPPER

Unless otherwise stated:

Dimensional tolerance:	X	± 0.5mm
	X.X	± 0.2mm
	X.XX	± 0.1mm
Angular tolerance:		± 0.5°
Hole centres:		± 0.05mm
Surface finish:		1.6 microns
Dimensions in mm		

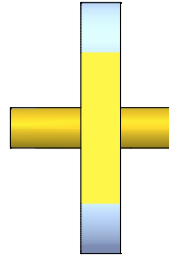


ISOMETRIC VIEW

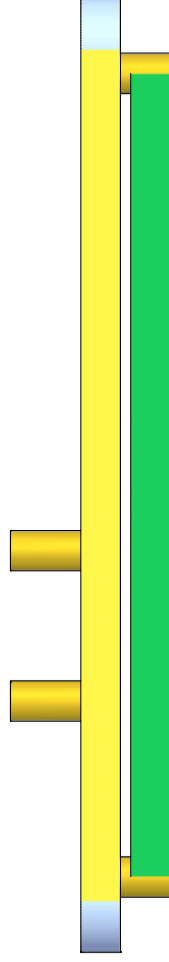
BAFFLE - BOTTOM LEVEL
2 OFF
MATERIAL: COPPER

RFQ Code Model Baffles			
Title:			
Drawn by:	P. Savage	Project:	Third angle
Designed by:	P. Savage	Model file:	RFQ.baffle
Checked by:	N/A	Drawing file:	RFQ.baffle.dwg
Created by:	CadSoft PTC, 2017	Access number:	
Drawn by:	1st year engineering	Project file:	RFQ.baffle
Material:	Copper	Sheet number:	1 / 18
Dimensions:	mm	Number of:	2 each type
Scale:	Do not scale	Drawing number:	
General tolerance:	Standard part		

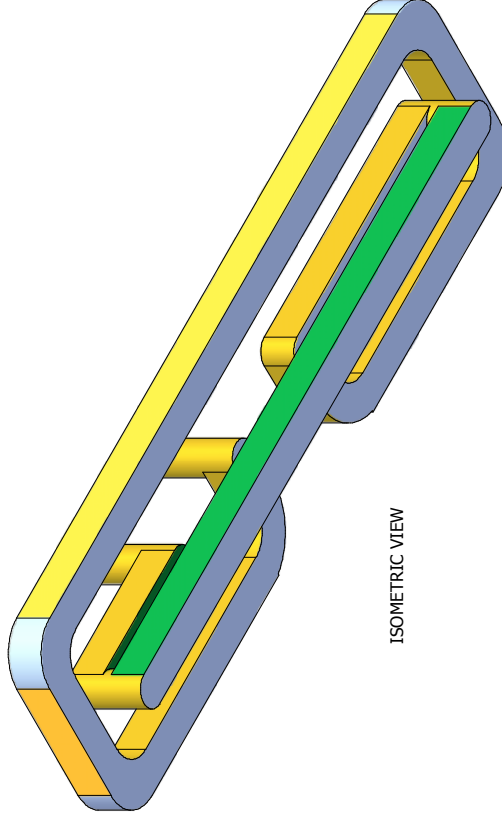
The diagram shows a vertical sequence of components. At the bottom is a blue square containing a red dot. A solid red line extends upwards from this dot through a series of six light green rectangles. Above these rectangles is a box containing two vertical wavy lines. The red line continues upwards through this box. Above the box is a series of six light blue trapezoidal shapes. A dashed red line branches off to the right from the main red line, passing through the trapezoidal shapes, and then continues upwards as a dashed red line.



END VIEW



SIDE VIEW



ISOMETRIC VIEW

Fluid Path due to Baffles	
Note:	
Drawn by: P. Savage	Projection: Third angle
Designed by: P. Savage	Model file: FluidPath.rvt
Checked by: N/A	Revision: RevWantedComplete.dwg
Created by: P. Savage	Drawing title: REACTOR MODEL COMPLETE.dwg
Manufactured by: N/A	Project manager: Project
Material: Cooling fluid	Front and top view: Front and top view
Dimensions: Do not scale	Sheet number: 18 / 18
Scale: 1:1	Number of: N/A
Drawn Date: N/A	Drawing number: UC-REF-PJS-REFTS-D18
Drawn Location: N/A	