From: David E. Williamson

Sent: Wednesday, December 15, 2004 11:42 AM

To: kbowling@majortool.com

Cc: NKHFlowen@aol.com; Phil Heitzenroeder Subject: FW: Drawing Vs. Model Questions

#### Kevin

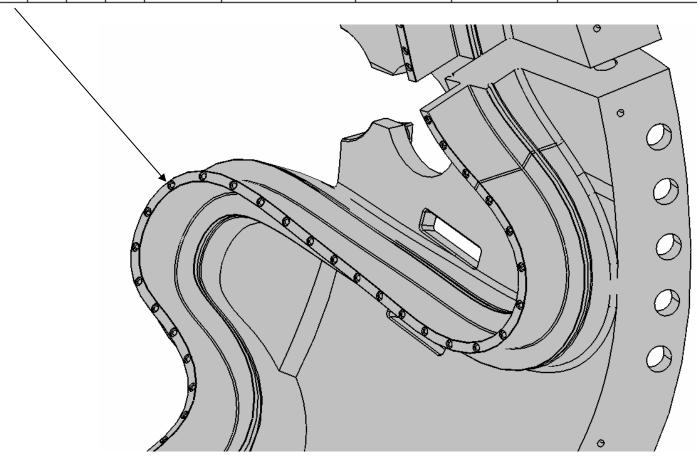
Here is a reply to your query about drawing/model discrepancies. In general, the hole specification shown on the drawing is correct and the model dimensions need to be revised to match. As soon as I get comments

from the project, there will be a formal response thru Larry to Nancy. Let me know if you have any additional questions. Thanks,
David

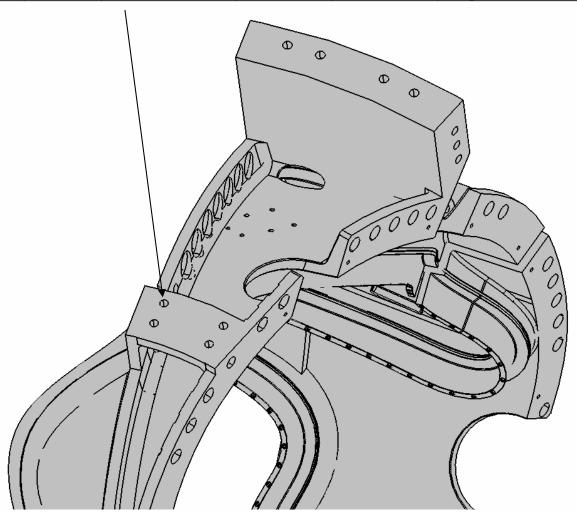
Project response to communication from K. Bowling 12/10/04

ltem	Α	В	С	Sheet/ Zone	Drawing	CAD Model	Status	Project Response
	Count	Count	Count		_			
	96	95	95	2	Ø.316 TAP DRILL		Corrected	
1				2	.375-16 TAP		print count	Model is correct. Hole count on drawings
				2	Ø.625 X .1 DP CBORE		for B & C	SE141-115, SE141-116 will be revised.
	I	<u> </u>		-	B.OZO X. I DI ODORE		101 2 4 0	
	16		8	3	Ø.875 TAP DRILL	Ø1.0	OK Ref tap drill Ø	Drawing is correct. Model hole size will be
2					1-8 TAP	D1.0	OK Kertap driii b	changed to 0.875-in diameter.
					I-0 IAF			changed to 0.075-in diameter.
	Г	8		3 C5	Ø.875 TAP DRILL	Ø.766	open	Drawing is correct. Model hole size will be
3				"	1-8 TAP	D.700	орен	changed to 0.875-in diameter.
					I-0 IAF			changed to 0.075-in diameter.
	Ι	8	Ι	3 C6	Ø.875 TAP DRILL	Ø.755	open	Drawing is correct. Model hole size will be
4				3 00	1-8 TAP	<b>D</b> .133	орен	changed to 0.875-in diameter.
	<u> </u>	<u> </u>	l		1-0 IAP			changed to 0.075-in diameter.
		2		3 F2	Ø1.48 X 5 Thru (5.0 DP)	Ø1.5	open	Change to 2.5-in dia thru, like Drw -114,
5				3 7 2	Ø1.46 X 3 Thru (5.0 DP)	Ø1.875	•	Sht3, D2. Tapped holes next revision.
	<u> </u>				שונט א ב.co א בס.וש CDUKE	בוס.וש	open	Onto, DZ. Tapped holes flext revision.
			8	3	01 125			
6			0	3	Ø1.125 Ø3.0 BACK SPOT FACE	not in model	0000	Drawing callout is correct.
					03.0 BACK SPUT FACE	not in model	open	
	40	<b>1</b> 04	47	۲.	04 075 PRILL			T
	18	24	17	4	Ø1.875 DRILL		07.4 0.7.75.1	
					Ø3.25 BACK SPOT FACE		2X type C 7.75 long	-
	1	1	4	4	Ø1.875 DRILL			-
		-	-	4 E4	Ø3.0 BACK SPOT FACE	Ø3.25	open	Sheet 4 - See Figures 6-9 for flange-to- flange hole template. Drawing notes to b clarified, models will be revised to match figures.
7	3			4	Ø.75 Thru (1.375 DP)	Ø1.50	open	
1	3			4	Ø3 x 1 DP CBORE			
	6	10	20	4	Ø.201 x .5 DP			
					.250-20 TAP	no tap on A	open	~
			"		Ø.507 x 82 Deg Chamfer			
			6	4	Ø1.125 DRILL			
					Ø3.38 BACK SPOT FACE	Ø2.38	open	
	<b>.</b>	<b>.</b> .	<b>.</b>	<b>V</b> -				Т
	1	3	4	5	Ø1.875 DRILL	check C5 Sec ZZ		
			_	5 D7	Ø3.0 BACK SPOT FACE	Ø3.25	open	-
	3	3	2	5	Ø3 x 1 DP CBORE			-
	3		2	5	Ø.75 x 2.33-B/ 2.0-C	Ø1.50	open	Sheet 5 - See Figures 6-9 for flange-to-
			3	5	Ø1.5 X 1 DP			flange hole template. Drawing notes to be
8	3			5	Ø1.5 X 1.33 DP			clarified, models will be revised to match
				5	Ø1.125 DRILL			figures.
					Ø3.38 BACK SPOT FACE	Ø2.38	open	
		7			Ø1.500 DRILL	Ø1.625	open	
					Ø3.0 BACK SPOT FACE			
					BOTH SIDES			
9	3	3	3	7 C4	nothing	Ø.435 x .5 DP	is this correct?	Tapped holes (3X) for terminal block mount
	I						.437-14 TAP 3X?	can be omitted.

Item	Α	В	С	Sheet/ Zone	Drawing	CAD Model	Status	Project Response
	Count	Count	Count					
	96	95	95	2	Ø.316 TAP DRILL		Corrected	Model is correct. Hele count on drawings
1				2	.375-16 TAP		print count	Model is correct. Hole count on drawings SE141-115, SE141-116 will be revised.
				2	Ø.625 X .1 DP CBORE		for B & C	

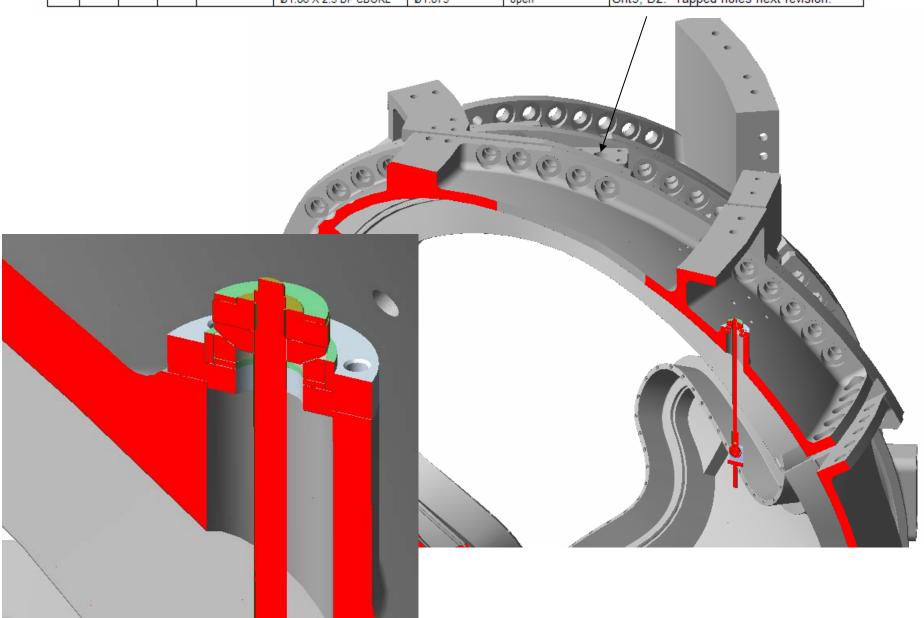


Item	Α	В	С	Sheet/ Zone	Drawing	CAD Model	Status	Project Response
	Count	Count	Count					
2	16		8	3	Ø.875 TAP DRILL	Ø1.0	OK Ref tap drill Ø	Drawing is correct. Model hole size will be
					1-8 TAP			changed to 0.875-in diameter.

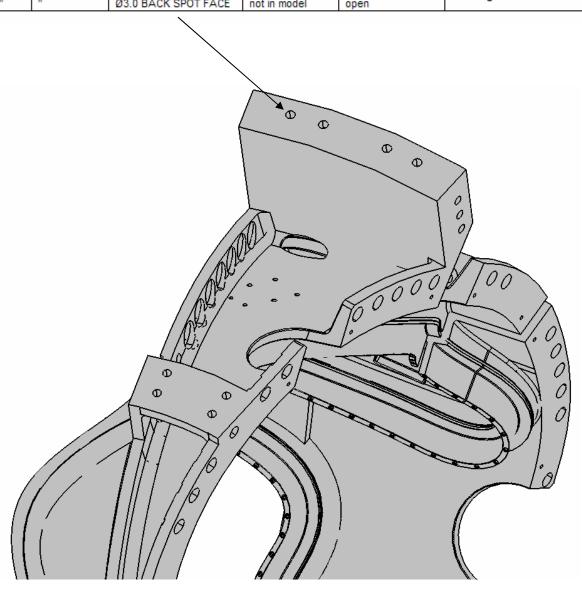


							1	
ltem		В	С	Sheet/ Zone	Drawing	CAD Model	Status	Project Response
	Count	Count	Count					
3		8		3 C5	Ø.875 TAP DRILL	Ø.766	open	Drawing is correct. Model hole size will be
,		1			1-8 TAP			changed to 0.875-in diameter.
								/
4		8		3 C6	Ø.875 TAP DRILL	Ø.755	open /	Drawing is correct. Model hole size will be
4					1-8 TAP			changed to 0.875-in diameter.

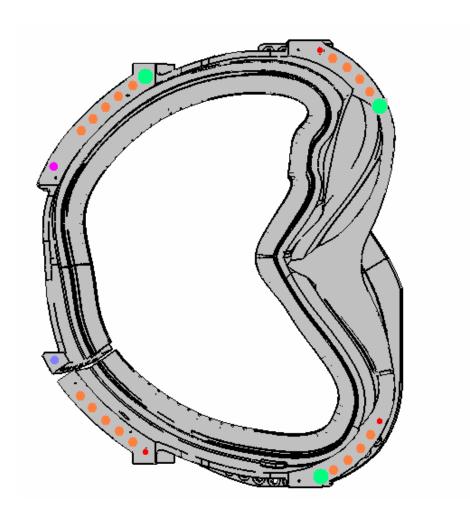
Ite	n A	В	С	Sheet/ Zone	Drawing	CAD Model	Status	Project Response
	Count	Count	Count					
_		2		3 F2	Ø1.48 X 5 Thru (5.0 DP)	Ø1.5	open	Change to 2.5-in dia thru, like Drw -114,
3					Ø1.86 X 2.5 DP CBORE	Ø1.875	open	Sht3, D2. Tapped holes next revision.

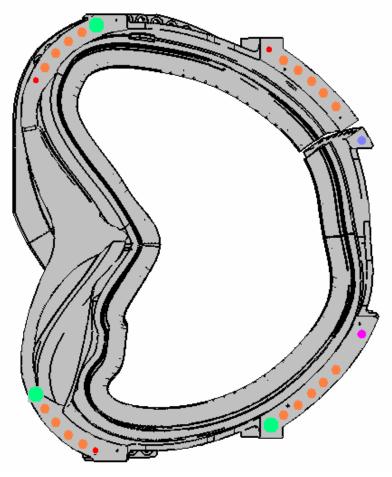


Item	Α	В	С	Sheet/ Zone	Drawing	CAD Model	Status	Project Response	
	Count	Count	Count						
6			8	3	Ø1.125			Drawing callout is correct.	
6					Ø3.0 BACK SPOT FACE	not in model	onen	Drawing callout is correct.	



# FLANGE INTERFACE A-A (symmetry about midplane)

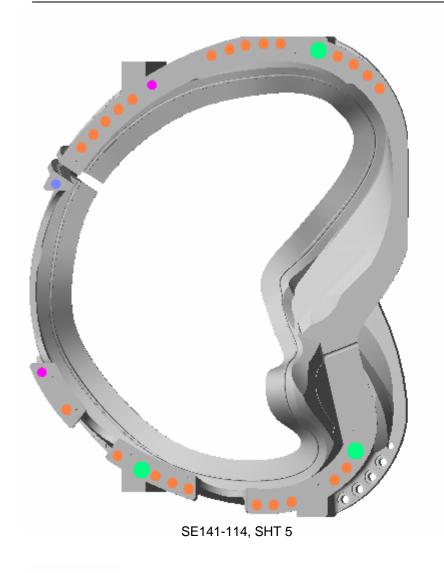


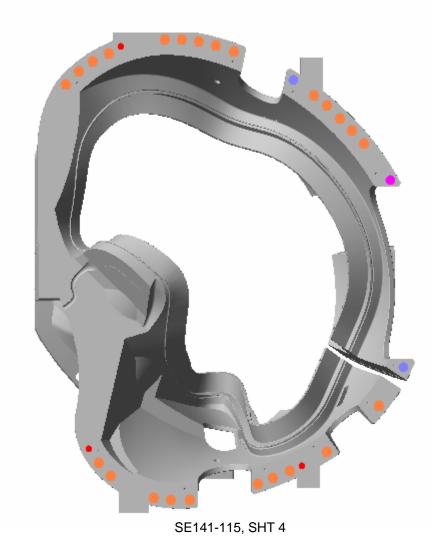


SE141-114, SHT 4

- ◆ → φ1.875 DRILL, φ3.25 BACK SPOT FACE > SAME
- ◆ → φ1.375-6UNC THRU > φ1.875 DRILL, φ3.0 BACK SPOT FACE
- ← → φ3.0 x 1 DP CBORE, φ1.5 x 1.5 DP / THRU > SPHERICAL .75R

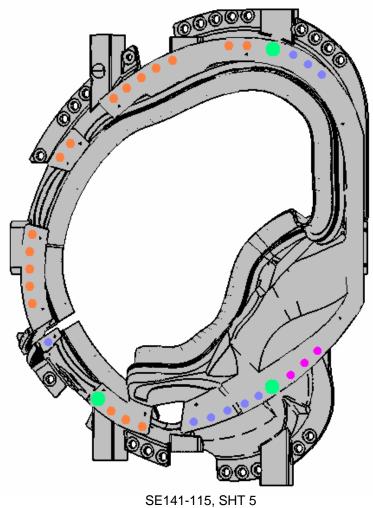
### FLANGE INTERFACE A-B

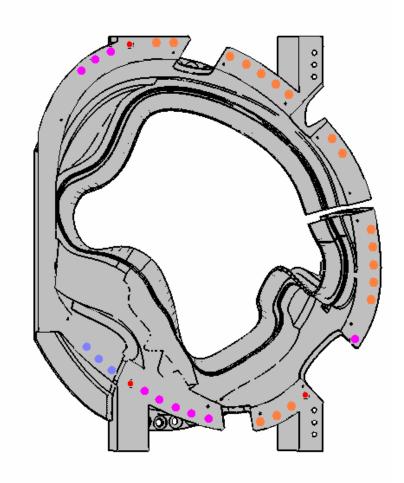




- ← → • 1.375-6UNC THRU > 1.875 DRILL, 3.0 BACK SPOT FACE
- ◆ ◆ \$3.0 x 1 DP CBORE, \$\phi 1.5 x 1.5 DP / THRU > SPHERICAL .75R

## FLANGE INTERFACE B-C

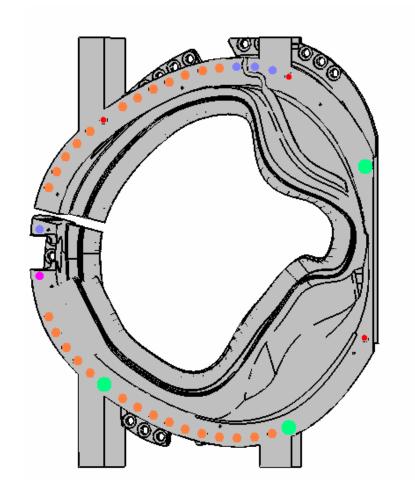


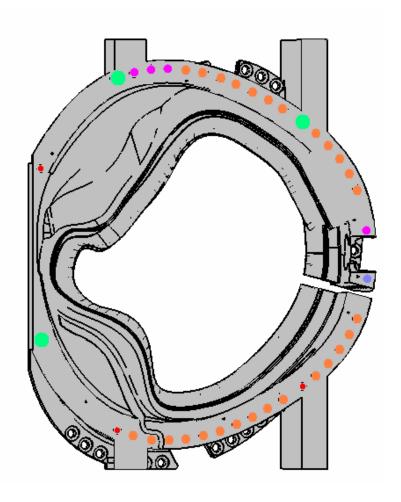


SE141-116, SHT 4

- ←→ φ1.875 DRILL, φ3.25 BACK SPOT FACE > SAME
- **◆ → •** \$\phi\$1.375-6UNC THRU > \$\phi\$1.875 DRILL, \$\phi\$3.0 BACK SPOT FACE
- ◆ ◆ ◆ ♦3.0 x 1 DP CBORE, ♦1.5 x 1.5 DP / THRU > SPHERICAL .75R

## FLANGE INTERFACE C-C (symmetry about midplane)





SE141-116, SHT 5

- ◆ → φ1.875 DRILL, φ3.25 BACK SPOT FACE > SAME
- ◆ → \$\phi\$1.375-6UNC THRU > \$\phi\$1.875 DRILL, \$\phi\$3.0 BACK SPOT FACE
- ← → φ3.0 x 1 DP CBORE, φ1.5 x 1.5 DP / THRU > SPHERICAL .75R