

PPPL ENGINEERING CHANGE NOTICE (ECN) ECN # 5185

COGNIZANT INDIVIDUAL: David Williamson

ECN TITLE: Flange Hole Counterbore Clearance Envelope and Type-B Post Mod

CC/WP/Job: 9450-1*-1411** **AREA OR PROJECT: NCSX**

LIMITATION OF SCOPE - NOTE: A Work Planning Form is NOT required if the total change to be accomplished (ENG-032):

- Is not large or complex or does not represent a new installation into a usable space
- Does not have a significant ES&H impact
- Does not involve tritium or other radioactive contaminated or activated equipment
- Does not impact multiple projects, systems, or groups

OR does not change the scope or intent of the original design.

Responsible Line Manager CONCURRENCE: _____
 (Signature indicates that no Work Planning form is required.)

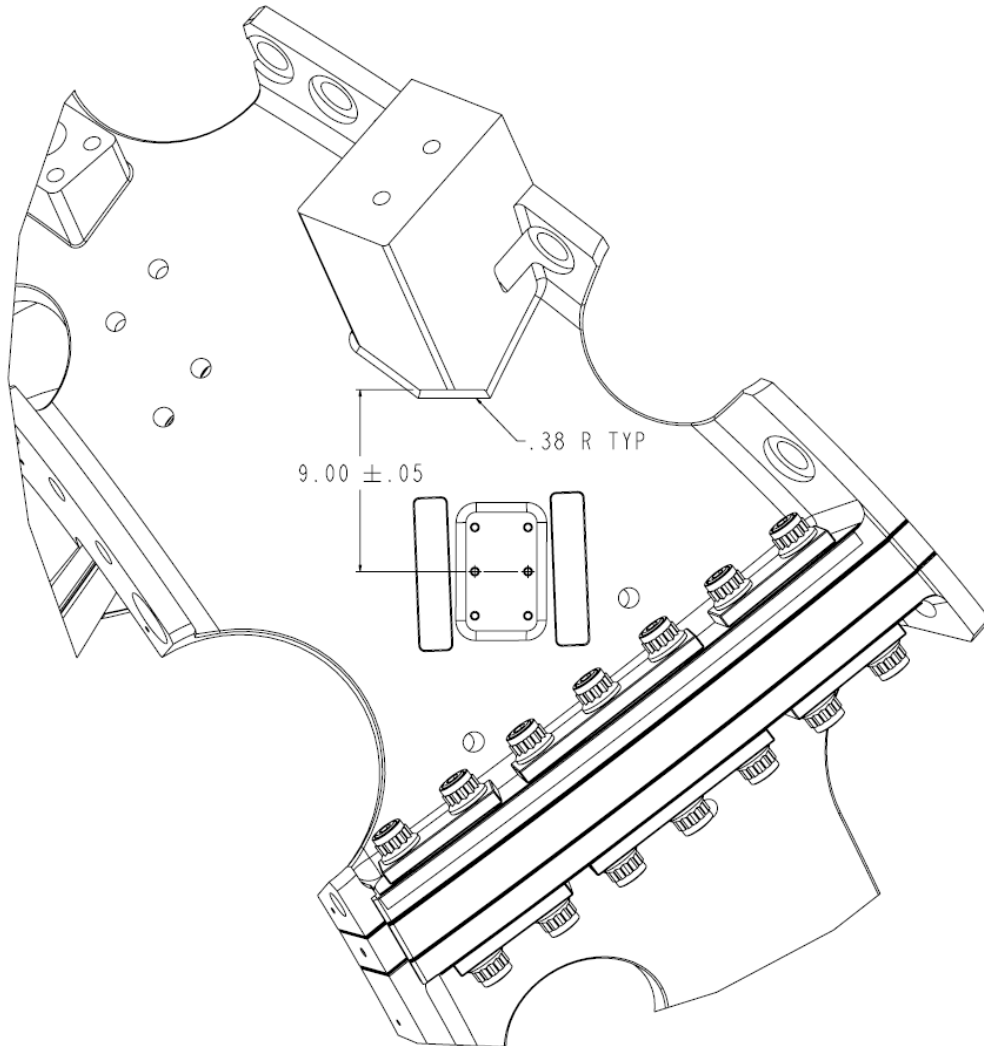
If non-concurrence or associated with a work planning form, enter the WP number: _____

DRAWING(S) AFFECTED NUMBER:	Current Revision	TITLE
SE141-114	8	Type-A Modular Coil Winding Form
SE141-115	9	Type-B Modular Coil Winding Form
SE141-116	8	Type-C Modular Coil Winding Form
Continued on the Back		

DESCRIPTION OF CHANGE: (state drawing no., zone. group, or list attachments)

SE141-114, -115, -116, Sht-4, 5 -The clearance requirements for all flange back spot faces and for all the remaining winding forms (MCWFs C-6, B-3 through B-6, and A-4 through A6) shall be a 3" diameter cylinder 3" high from the spot face surface. The blend-in radius at the upper extent of this machined area shall be 1/4".

SE141-115, Sht-8, Quad-B3 - For Type-B MCWF, a clearance dimension of $9.00 \pm .05$ -in is defined between the center of the lead block mounting pad and the support post. Clearance envelope height extends through the post as required.



REASON FOR CHANGE:

The CAD model of the counterbore envelope, 3-in dia x 3-in length with a spherical radius, is not large enough to provide adequate fastener clearance in heavy stocked areas of the casting.

There is approx .5-in stock on all sides of the B1 and B2 support posts, which prevents mounting of the leads terminal asm.

ENGINEERING CHANGE NOTICE APPROVALS: DATE: 11/07/2006

COGNIZANT INDIVIDUAL MAKING CHANGE:

DESIGN RESPONSIBLE LINE MANAGER:

RLM Comment: Dwg SE141-115 has two RFDs pending and must be revised.

MANUFACTURING RESPONSIBLE LINE MANAGER: