

Princeton University

Plasma Physics Laboratory

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13 November 2006

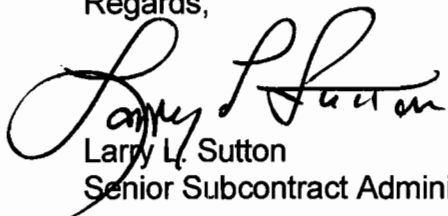
Ms. Nancy Horton
Energy Industries of Ohio
6100 Oak Tree Boulevard, Suite 200
Independence, Ohio 44131

SUBJECT: Subcontract S005242-F
Engineering Change Notice (ECN) 5185

Dear Ms. Horton:

Attached for your information is NCSX Project Engineering Change Notice (ECN) 5185, titled: Flange Hold Counterbore Clearance Envelope and Type-B Post Mod.

Regards,

A handwritten signature in black ink, appearing to read "Larry L. Sutton". The signature is fluid and cursive, with the first name "Larry" being the most prominent.

Larry L. Sutton
Senior Subcontract Administrator

Attachment

cc: P. Heitzenroeder
F. Malinowski
B. Simmons
M. Tyrrell

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: Brad Nelson
 (Signature indicates that no Work Planning form is required.)

Digitally signed by Brad Nelson
 DN: cn=Brad Nelson, c=US, o=ORNL,
 ou=FED, email=nelsonbe@ornl.gov
 Date: 2006.11.07 13:26:48 -05'00'

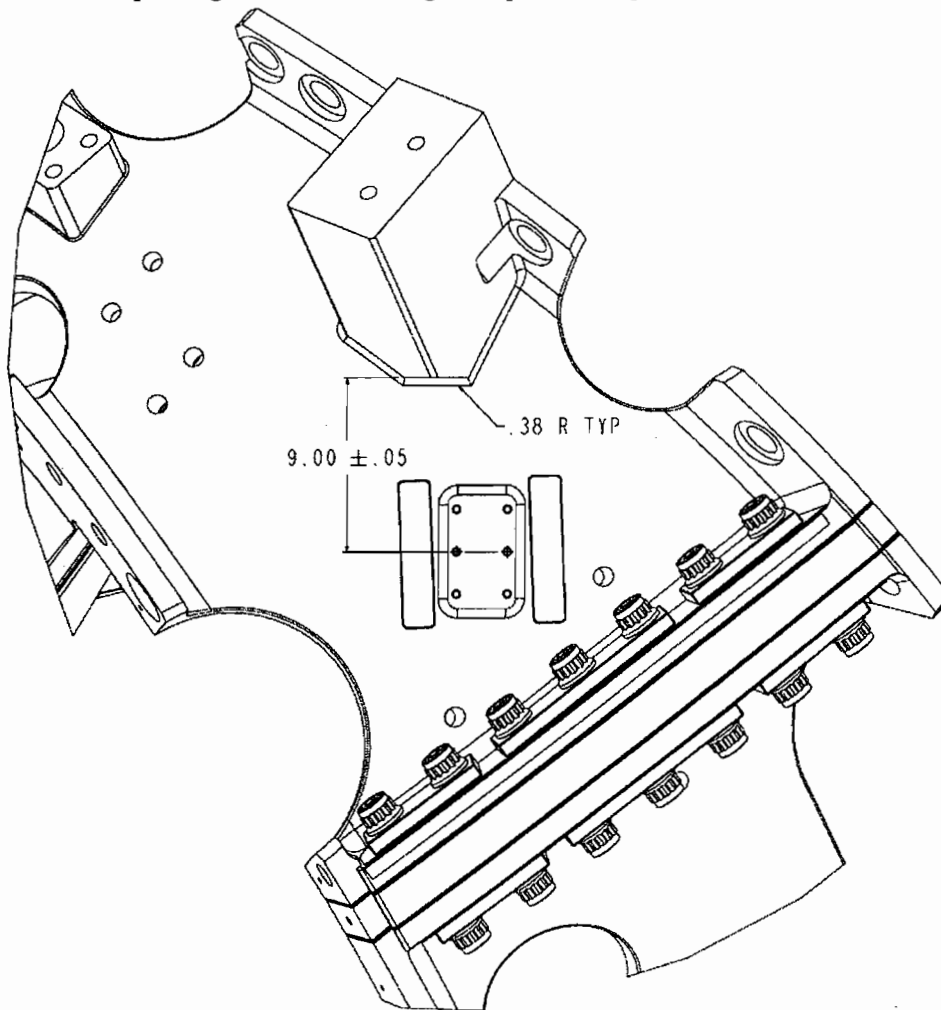
If non-concurrence or associated with a work planning form, enter the WP number: _____

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:

David Williamson
2006.11.07 12:59:10 -05'00'

DESIGN RESPONSIBLE LINE MANAGER:

Brad Nelson

Digitally signed by Brad Nelson
DN: cn=Brad Nelson, c=US, o=ORNL, ou=FED,
email=nelsonbe@ornl.gov
Date: 2006.11.07 13:27:04 -05'00'

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

MANUFACTURING RESPONSIBLE LINE MANAGER:

Larry Dudek

Digitally signed by Larry Dudek
DN: cn=Larry Dudek, c=US
Date: 2006.11.07 16:19:25 -05'00'