

PPPL ENGINEERING CHANGE NOTICE (ECN) ECN # 5113

COGNIZANT INDIVIDUAL: Paul Goranson	
ECN TITLE: NCSX Vessel Port Manufacture	
ASSOCIATED ECP: None	
CC/WP/Job: 9450-1***-1203	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:	NEW Revision	TITLE
SE120-004	See RLM Comment	Vacuum Vessel – Leak – Inspection & Leak Check Assembly

<p>DESCRIPTION OF CHANGE: (State Drawing No., Zone/Group, or List Attachments)</p> <p>Leave holes as is and PPPL specify desired hardware (bolts and nuts (or plate-nuts) - MDC bolt hardware kit 190045.</p>

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REASON FOR CHANGE:

The replacement (Trinos 480FBL080-E (4.63 Blank)) flanges have clearance holes instead of design specified MDC 130022 tapped 4.63 OD Weld Flanges. This will require longer bolts and the use of nuts to attach to the port flange. Request using MDC P/N 190063 bolts, and 190180 nut plates to attach the blank flange to the Trinos flange. The magnetic permeability characteristics of the MDC nut plates are an unknown to MTM.

RFD-12-009 authorized leaving holes “as is”, but using MDC bolt hardware kit 190045.

ENGINEERING CHANGE PROPOSAL: N/A

DATE: 4/17/2006

COGNIZANT INDIVIDUAL MAKING THE CHANGE:

RESONSIBLE LINE MANAGER:

RLM Comments: This ECN will NOT be immediately incorporated. Rather a stamp will be placed on this drawing as Rev 2-b to SE120-004 to indicate that this ECN is outstanding.

From: Griffith, Mike [<mailto:mgriffith@majortool.com>]
Sent: Wednesday, April 05, 2006 11:51 AM
To: NKHFlowen@aol.com; royjratc-aol-com-offsite
Cc: Bowling, Kevin
Subject: Request for Lifting holes in Poloidal Break Shims

In order to assist in the intermediate and final assembly of the poloidal break shims in the remaining C's and in all of the A and B shims, we are requesting the addition of a 3/8-16 hole in both ends of the shim to be used for lifting. The drawing below is a C shim showing the approximate location of the holes. Please review and forward this request to PPPL. Thanks.

