

## Allen, William

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**From:** Ada Hensley <neutron@wvinc.comcastbiz.net>  
**Sent:** Friday, September 22, 2017 1:29 PM  
**To:** Allen, William  
**Cc:** neutronprod@rcn.com  
**Subject:** [External\_Sender] Detailed List for Drawing - Neutron Products Inc  
**Attachments:** NRC - Detail List of Changes for Dwg. 240116.xlsx

Hello Chris,

Thank you for reaching out to me yesterday. I appreciate the opportunity to introduce myself.

I have enclosed the list you requested of our proposed changes to the drawing. To provide a little background, it was our understanding from our most recent NRC inspection that the current drawing provides more detail than is necessary for the certificate, but does not provide enough information for all repair functions. For example, the current drawing provides symbols for some, but not all, of the welds.

To resolve this, we decided to prepare two drawings. One, to be referenced in the certificate of compliance, the intent of which is to contain all information necessary for NRC's purposes, but not all of the fabrication details. The other, to contain more detail than is in the current drawing, to be used for package repair.

In addition, while we were making the changes to the drawing to be submitted for NRC approval, we are taking care of some other matters as well. For example, the current drawing says that the manufacturer's name and date are stamped on the lid and body of the overpack, whereas the cert says that the information is on tags which are riveted to the overpack. We are proposing to change the drawing to be consistent with the cert. We are also modifying the drawing to conform to current industry practices.

We are also taking the opportunity to correct errors. For example, the current tolerance block lists dimensional tolerances of 0.001" or 1/64". In fact, these are not even machined parts. They are shop fabricated and are used routinely in industrial applications and in commercial shipping, where they get marked, scraped, dinged, etc. Our maintenance program addresses those issues in terms of when to take action, how to effect repairs, etc., and the proposed drawing lists the dimensions as reference dimensions which is a more accurate description.

I hope this information is helpful for the purposes of your review. If you have any questions or require additional information, please let us know.

Thank you,

### **Ada Hensley, QAMRT**

Neutron Products, Inc.

Shipping/Operations Facility

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Drawing Section		Title / Description	Revision Type	Detail
F,G,H	7,8	Tie Down Bracket	ADDED	ANG 3 x 3 x 3/8
			ADDED	2" measurement
			ADDED	1-1/4" measurement
			ADDED	1/4" x 45° measurement
			ADDED	7-13/16" measurement
			ADDED	1/2" x 45° measurement
			REMOVED	Welding Symbols (to be moved to design/repair drawings)
D,E	8	Section B	ADDED	8" overall measurement
			REMOVED	Welding Symbols (to be moved to design/repair drawings)
B	7,8	View C-C	REMOVED	Welding Symbols (to be moved to design/repair drawings)
F,G,H	5,6	Metal Shell	ADDED	Trim angle leg flush with OD Typical 4x
C,D,E,F	5,6,7	Section A-A	ADDED	"Inside" to the current 7-1/2" measurement
			REVISED	Attach Tag with Manufacturers Name & Date using 1/8" aluminum pop rivets. Both on lid and bottom. To be consistent with COC.
			REVISED	"Attach Permanent Package ID labels & temporary package identification holder using 3/16" aluminum pop rivets". To be consistent with COC.
			ADDED	Notes 1 and 5
			ADDED	Sign symbols and locations
			REMOVED	Welding Symbols (to be moved to design/repair drawings)
			ADDED	Temporary identification labels are retained in holder with stainless steel 1/4 - 20 UNC screws
			ADDED	12 gauge
A,B,C	5,6	Steel Shell	ADDED	Note 4
G,H	3,4	View G-G	N/A	NO CHANGES
E,F	3,4	Detail F	N/A	NO CHANGES
C,D	3,4	Detail D	REPLACED	2-1/8" nominal with "O 2:2 to fit 2" EMT"
A,B	4,5	Detail E	REMOVED	Welding Symbols (to be moved to design/repair drawings)
F,G,H	1,2,3	WPJ Lid	ADDED	Added "by cutting 6" flat on edge of lid" to current statement
			REVISED	Degrees to align with standard engineering notation. From 11°15' to 11.25° and 22°30' to 22.50°
			REMOVED	Zinc-plated (to be added to CGD and design/repair drawings)
D,E,F	1,2,3	Section F-F	ADDED	"Note: Additional Plywood Shim Thickness as required to attain noted inside dimension"
B,C	1,2,3	Chain Bracket	ADDED	"2x" to O7/16 thru all
			REMOVED	Zinc-plated (to be added to CGD and design/repair drawings)
			ADDED	"2x" to 1-1/4"
			REMOVED	Welding Symbols (to be moved to design/repair drawings)
A,B	3	Notes	ADDED	Note 4 - Paint Metal Surfaces with Rust Inhibiting Primer and High Quality Weather Resistant Paint.
			ADDED	Note 5 - Maximum Allowable Weight of Package = 6,000 lbs.
A,B	1,2	Title Block	REVISED	Tolerance Block - All dimensions shown are for reference only, Dimensions per ASME Y14.5
			REVISED	Title Block to say "Overpack USA/9215 B(U) Package"
			REVISED	Scale Block and included 1:8
			REVISED	Current Revision Block and included H
			REVISED	Approval and Release Dates