



20 July 2012
EL&P-023-12

Mr. Pierre Saverot
Licensing Branch
Division of Spent Fuel Storage and Transportation
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555

SUBJECT: Amendment Request for Certificate of Compliance No. 9168 for the
Model 8-120B Package - Supplemental Information
Docket No. 71-9168
TAC No. L24549

Dear Mr. Saverot:

EnergySolutions provides the attached 8-120B Safety Analysis Report (SAR) revisions and drawings as supplemental information to our amendment request. The revisions and drawings address the thermal issues that have been the subject of several recent discussions.

The SAR revisions to incorporate the thermal shield are found in the description (Chapter 1), structural (Chapter 2), thermal (Chapter 3), and operations (Chapter 7). The thermal shield is now mentioned in Chapters 4 & 5, but its inclusion does not require any changes to the evaluation. The maintenance chapter (Chapter 8) is revised to incorporate changes made to NDE acceptance requirements committed to in the response to RAI #2. In addition, an addendum has been included that adds the thermal shield to the currently approved cask design. The addendum is expected to have a limited period of applicability, e.g., 9-12months, to allow use of the cask with the thermal shield while new lids are fabricated and seals are qualified.

Since this package provides unique capabilities in support of both commercial and governmental nuclear facilities, we request completion of the review of this supplemental information as soon as possible with issue of the revised certificate by August 15, 2012.

Should you or members of your staff have questions about this supplemental information, please contact me at mshittaker@energysolutions.com or Mirza Baig at mibaig@energysolutions.com.

Sincerely,

Mark Whittaker
Sr. Health Physicist, Radiological Services

Attachments:



- Revised SAR, Consolidated Rev. 3

Suite 100, Center Point II
100 Center Point Circle
Columbia, South Carolina 29210

NM5501

- Drawings
 - C-110-E-0007, Rev. 17 – 8-120B Shipping Cask (Non-Public)
 - DWG-CSK-12CV01-EG-0001 – 8-120B Cask Secondary Lid Thermal-Shield
 - C-110-E-0007, Rev. 13
- Public Reference Documents
 - ST-626 Rev 0
 - ST-627 Rev 1
 - ST-608 Rev 0
 - ST-637 Rev 0
 - ST-635 Rev 0
 - ST-679 Rev 0
 - TH-027 Rev 2
 - TH-028 Rev 2
 - ST-0001 Rev 0 and Data
 - TH-0001 Rev 0 and Data
 - TH-0002 Rev 3 and Data
- Non-Public Reference Documents
 - ST-551, Rev. 3
 - ST-625 Rev. 0
 - ST-596 Rev. 1
 - ST-618 Rev. 1
 - NU-391 Rev. 4 and Data
 - Proprietary Affidavit

Figure Withheld Under 10 CFR 2.390

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES REMOVE BURNS & PAINT COAT  THIRD ANGLE PROJECTION REFERENCES: 1/2" = 1" A 3/8" = 1" A 1/4" = 1" A 3/16" = 1" A 1/8" = 1" A UNMATCHED SURFACES UNMATCHED HOLE UNMATCHED EDGE	Q11 PROPRIETARY TRADE-PROPRIETARY DISSEMINATION IS A TRADE SECRET AND SUBJECT TO THE PROTECTIVE ORDER OF THE U.S. DEPARTMENT OF ENERGY	 ENERGYSOLUTIONS 8-120B CASK SECONDARY LID THERMAL-SHIELD DETAILS	SCALE: 1:4 SHEET: 006-ENR-120B1-02-001-01 OF: 1

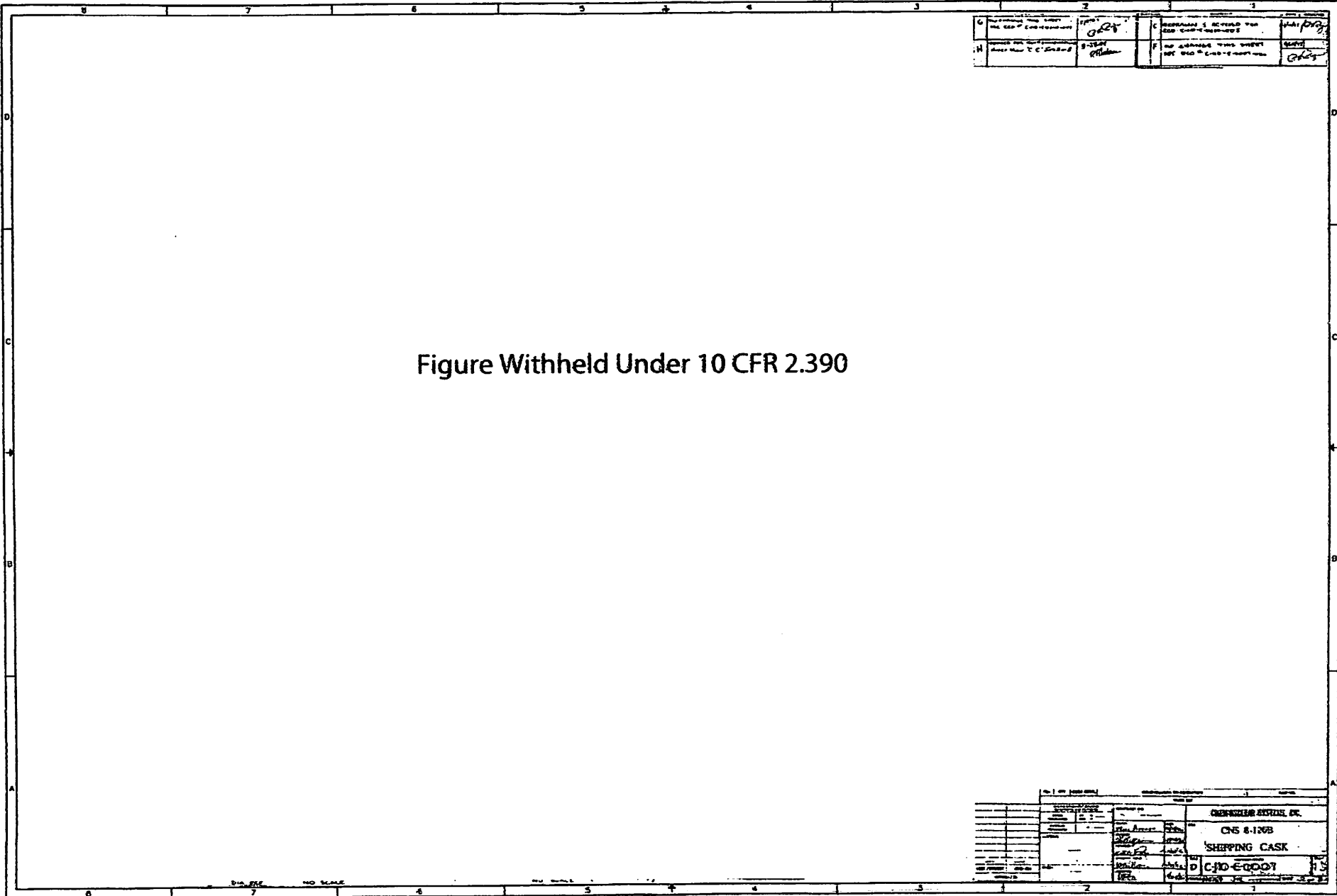


Figure Withheld Under 10 CFR 2.390

G	DOES THIS CASK MEET THE 10 CFR REQUIREMENTS?	YES	C. PROGRAMS IS REVIEWED FOR THIS CASK?	NO
H	DOES THIS CASK MEET THE 10 CFR REQUIREMENTS?	NO	F. ARE THERE ANY OTHER ISSUES?	NO

GENERAL INFORMATION		SHIPMENT INFORMATION	
SHIPMENT NO.	SHIPMENT DATE	SHIPMENT TYPE	SHIPMENT STATUS
SHIPMENT DESCRIPTION		SHIPMENT ORIGIN	
CNS 8-100B		GENERAL ELECTRIC, INC.	
SHIPPING CASK			
CNS 8-100B			
CNS 8-100B			

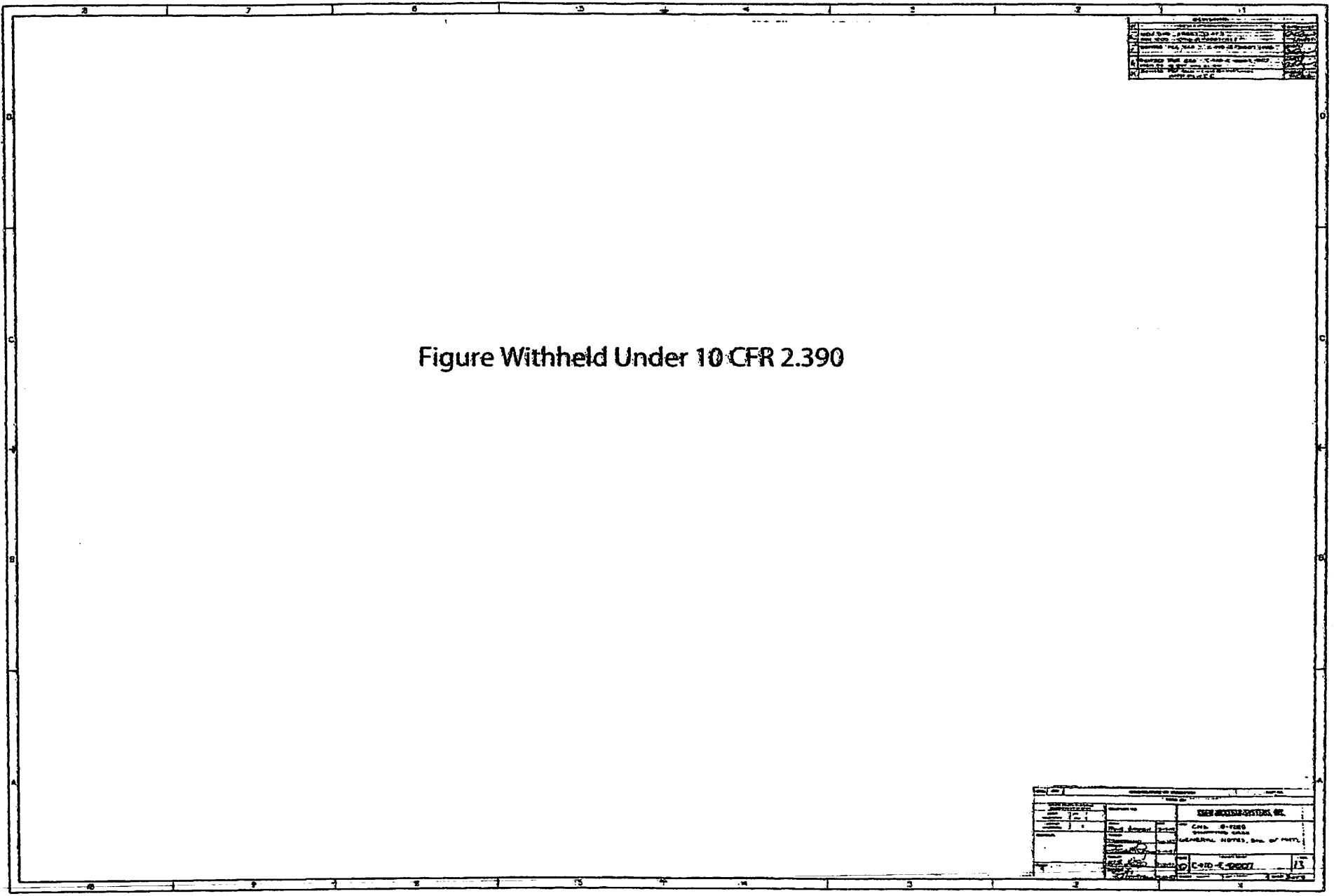


Figure Withheld Under 10 CFR 2.390

1	REVISIONS	
2	NO. OF REV.	
3	DATE	
4	BY	
5	REASON FOR REV.	
6	APPROVED BY	
7	DATE	
8	REVISIONS	
9	NO. OF REV.	
10	DATE	
11	BY	
12	REASON FOR REV.	
13	APPROVED BY	
14	DATE	

DRAWING TITLE		ELECTRICAL SYSTEMS, INC.	
DATE	BY	DATE	BY
GENERAL NOTES, SEE OF PATT.			
DRAWING NO.		13	
SCALE			
SHEET NO.			
TOTAL SHEETS			