



71-9282

November 4, 1999

Mr. Cass R. Chappell, Chief
Licensing Section, Mail Stop 06F18
Spent Fuel Project Office
Office of Nuclear Materials Safety and Safeguards
U.S. Nuclear Regulatory Commission
One White Flint North
11155 Rockville Pike
Rockville, MD 20852

Subject: Docket No.: 71-9282
Application for Model SPEC-300 Package
Supplement No. 1 to Application for NRC Certificate of Compliance, Revision (1),
Dated October 6, 1999

Dear Mr. Chappell:

This purpose for this supplement is to provide a consolidation of the drawings that were submitted in Revision (1) of the application dated October 6, 1999. Additionally, the drawings submitted are revised to include information needed to clarify some design aspects of the package and the codes and standards used in the inspection of the package.

To facilitate the review, a summary of the drawing revisions are listed below.

- 1) SPEC drawing 19B000, General Arrangement has been updated to revision 3 to include the information from the following drawings:

Drawing 19B001, rev 2

The information contained in this drawing can now also be found in drawing 19B000, revision 3, sheets 4, 6, and 7.

Drawing B190610, rev 1

The information contained in this drawing can now also be found in drawing 19B000, revision 3, sheets 4 and 8.

Drawing B190620, rev 1

The information contained in this drawing can now also be found in drawing 19B000, revision 3, sheets 4 and 5.

Drawing B190630, rev 1

The information contained in this drawing can now also be found in drawing 19B000, revision 3, sheets 3 and 4.

NTD





Drawing B190650, rev 1

The information contained in this drawing can now also be found in drawing 19B000, revision 3, sheet 4.

Drawing B190710, rev 1

The information contained in this drawing can now also be found in drawing 19B000, revision 3, sheet 4.

Drawing B190711, rev 1

The information contained in this drawing can now also be found in drawing 19B000, revision 3, sheet 4.

Drawing B190734, rev 1

The information contained in this drawing can now also be found in drawing 19B000, revision 3, sheets 4 and 7.

Drawing B190746, rev 1

The information contained in this drawing can now also be found in drawing 19B000, revision 3, sheet 1, note 10.

Additionally, SPEC drawing 19B000, General Arrangement has been updated to revision 3 to clarify the codes and standards used in the inspection of the package. This information is provided on sheet 1, notes 17 and 18. Where necessary, materials and dimensions are included in the revised pages.

- 2) SPEC drawing B190700, DU Shield, has been updated to revision 3 to add ± 0.16 tolerance to the small dimensions. Also the outside diameter of the S-tube was added.

Please do not hesitate contact me if you need any further assistance or clarification.

Sincerely,

A handwritten signature in black ink, appearing to read "Kenneth N. Carrington". The signature is written in a cursive, flowing style.

Kenneth N. Carrington
Regulatory Affairs

/knc

Enclosures: Six copies of Supplement No. 1 dated November 4, 1999 to Application for Model SPEC-300 Package, Revision (1), dated October 6, 1999
Docket No.: 71-9282



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Regulatory Affairs

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Docket No.: 71-9282

SUPPLEMENT NO. 1
to
Type B(U)-85 Transportation Package
Certificate of Compliance Application, Revision (1),
dated October 6, 1999
Model SPEC-300

November 4, 1999

REMOVE	INSERT
Appendix 1.3 Drawing 19B000, Rev. (2) Sheets 1-3	Appendix 1.3 Drawing 19B000, Rev. (3) Sheets 1-8
Appendix 1.3 Drawing B190700, Rev. (2) Sheet 1	Appendix 1.3 Drawing B190700, Rev. (3) Sheet 1
Appendix 2.10 Drawing 19B000, Rev. (2) Sheets 1-3	None. Supplied in Appendix 1.3
Appendix 5.7 Drawing B190700, Rev. (2) Sheet 1	None. Supplied in Appendix 1.3

CONTROLLED COPY NO			
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	INCORPORATED ECR #990712-1	7/14/99 7/14/99 7/14/99	RAM PW RDO
2	INCORPORATED ECR # 990930-2.	10/1/99 10/5/99 10/5/99	S. BYRD PW RDO
3	INCORPORATED ECR #991103-1	11/3/99 11-4-99 11/4/99	RAM Pvd RDL

NOTES:

1. MAXIMUM WEIGHT: 780 LBS
2. PACKAGE IS FILLED WITH POLYURETHANE FOAM WITH A MINIMUM DENSITY OF 13 LB/CU. FT
3. OVERALL DIMENSIONS OF PACKAGE: 26" X 14" X 15" NOMINAL.

4. SPEC-300 NAMEPLATE LOCATED ON BACK SIDE.

5. CAUTION PLACARD IS PLACED ON BOTH SIDES.

6. WELD ACCORDING TO AWS WELDING CODE B2.1-8-023-94, SMAW OF AUSTENITIC STAINLESS STEEL, OR EQUIVALENT INDUSTRY STANDARD.

7. WELD ACCORDING TO AWS WELDING CODE B2.1-8-024-94, GTAW OF AUSTENITIC STAINLESS STEEL, OR EQUIVALENT INDUSTRY STANDARD.

8. WELD ACCORDING TO AWS WELDING CODE B2.1-8-025-94, GTAW FOLLOWED BY SMAW OF AUSTENITIC STAINLESS STEEL, OR EQUIVALENT INDUSTRY STANDARD.

9. THIS WELD IS FROM THE END OF THE PACKAGE TO THE BULKHEAD.

10. THE SHIELD SUPPORT ASSEMBLY (7), IS WELDED TOGETHER USING A 1/4" WELD IN EACH OF THE FOUR CORNERS BEFORE BEING WELDED TO THE LOCK END OR OUTLET END BULKHEAD.

11. ITEM (20) IS USED FOR THE -3 VERSION AND ITEM (25) IS USED FOR THE -1 VERSION.

12. USE RIVET (33) TO FASTEN THE PLATES TO THE DEVICE.

13. USE ITEM (37) TO FASTEN THE PLATE TO THE DEVICE.

14. ITEMS (39), (40), (41), (42) ARE NOT VISIBLE. ITEMS (39) AND (40) ARE USED ON THE LOCK MODULE (12) LID, AND ITEMS (41) AND (42) ARE USED ON THE INLET BASE PLATE (13).

15. "-1" AND "-3" DEVICES ARE IDENTICAL EXCEPT FOR THE OUTLET END PANEL, STORAGE NIPPLE, AND SAFETY PLUG.

16. REMOVE MANDRELS IN THE RIVETS AFTER INSTALLATION TO ENSURE THAT THE RIVETS ACT AS VENTS.

17. THESE WELDS ARE INSPECTED IN ACCORDANCE WITH ASTM E-165, OR AN EQUIVALENT INDUSTRY STANDARD. THE ACCEPT/REJECT CRITERIA ARE IN ACCORDANCE WITH ASME SECTION VIII, DIVISION 1, OR EQUIVALENT INDUSTRY STANDARD.

18. THESE WELDS ARE VISUALLY INSPECTED IN ACCORDANCE WITH ASME SECTION V, ARTICLE 9, OR AN EQUIVALENT INDUSTRY STANDARD. THE ACCEPT/REJECT CRITERIA ARE IN ACCORDANCE WITH ANSI/AWS D1.1 OR EQUIVALENT INDUSTRY STANDARD.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE		SOURCE PRODUCTION & EQUIPMENT CO., INC. 113 TEAL ST, ST ROSE, LA 70087	
NOMINAL		APPROVAL	DATE
DO NOT SCALE DRAWING	DRAWN RAM	6/22/99	GENERAL ARRANGEMENT, SPEC-300 EXPOSURE DEVICE
TREATMENT	CHECKED PW	6/28/99	SIZE DWG NO.
NONE	APPROVED RDO	6/28/99	C 19B000
FRESH	QA CLASS Q-R		SCALE: NTS M 00085203 SHEET 1 OF 8
NONE			REV 3

CONTROLLED COPY NO			
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

	4	4	EA	OPT	150202-1	1/2-20 X 9/16L BUTTON HD, SKT BOLT	N/A	31
	6	6	EA	OPT	500007	5/16-18 X 3/4L FLT HD, SKT BOLT	N/A	30
	11	11	EA	OPT	500006	5/16-.063T X 09/16 WASHER	N/A	29
	11	11	EA	OPT	500004	5/16 LOCK WASHER	N/A	28
	11	11	EA	OPT	190800-1	5/16-18 X 3/4L BUTTON HD, SKT BOLT	N/A	27
	1	1	EA	OPT	190500-1	SOURCE ASSEMBLY	N/A	26
	1	1	EA	OPT	190757-1	3/8" SAFETY PLUG	N/A	25
	1	1	EA	OPT	190772-1	SOURCE TAG	N/A	24
	1	1	EA	OPT	150009-1	WARNING PLATE	N/A	23
	1	1	EA	OPT	190737-1	NAMEPLATE	N/A	22
	2	2	EA	OPT	150006-1	CAUTION PLACARD	N/A	21
	1	1	EA	OPT	190757-3	1/2" SAFETY PLUG	N/A	20
	1	1	EA	OPT	190725-1	TRANSPORT LOCK	N/A	19
	1	1	EA	OPT	150916-1	LOCK CAP	N/A	18
	1	1	EA	OPT	190705-1	ENCLOSURE BASE	N/A	17
	2	2	EA	OPT	190741-1	EUTECTIC BARRIER KIT	N/A	16
	1	1	EA	OPT	190703-1	OUTLET BULKHEAD 14 1/2L X 13 1/2W 5/16 THICK	316/316L CRES	15
	2	2	EA	OPT	190708-1	EYE MOUNTING BLOCK 2 1/2L X 1 1/2W X 1/2H	316/316L CRES	14
	1	1	EA	OPT	190719-1	INLET BASE PLATE ASSY	N/A	13
	1	1	EA	OPT	150007-1	LM-200	N/A	12
	1	1	EA	OPT	190640-1	LOCK BOX ASSY	N/A	11
	1	1	EA	OPT	190702-1	INLET BULKHEAD 14 1/2L X 13 1/2W 5/16 THICK	316/316L CRES	10
	4	4	EA	OPT	190742-L	STRUCTURAL POST 1 1/2 SCH. 80 PIPE	316/316L CRES	9
	1	1	EA	OPT	190769-1	BOTTOM COPPER PAD 2 1/2L X 2 1/2W X 1/4T	COPPER	8
	2	2	EA	OPT	190746-1	SHIELD SUPPORT ASSY	316/316L CRES	7
	1	1	EA	OPT	190769-1	OUTLET PANEL, 1/2 NIPPLE	316/316L CRES 1/4 PLATE	6
	1	1	EA	OPT	190734-1	OUTLET PANEL, 3/8 NIPPLE	316/316L CRES 1/4 PLATE	5
	4	4	EA	OPT	190712-1	LIFTING DOUBLER 3L X 3W X 3/8T	316/316L CRES	4
	1	1	EA	OPT	190701-1	ENCLOSURE COVER 26L X 14W X 12 21/32H 1/4 THICK	316/316L CRES	3
	2	2	EA	OPT	190747-1	LIFTING EYE	ANSI 1019	2
	1	1	EA	OPT	190700-1	DU SHIELD	N/A	1
	-3	-1						
QTY	REQD	UM	MANUF	IDENTIFYING NUMBER	PART OR NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	ITEM NO.	

PARTS LIST

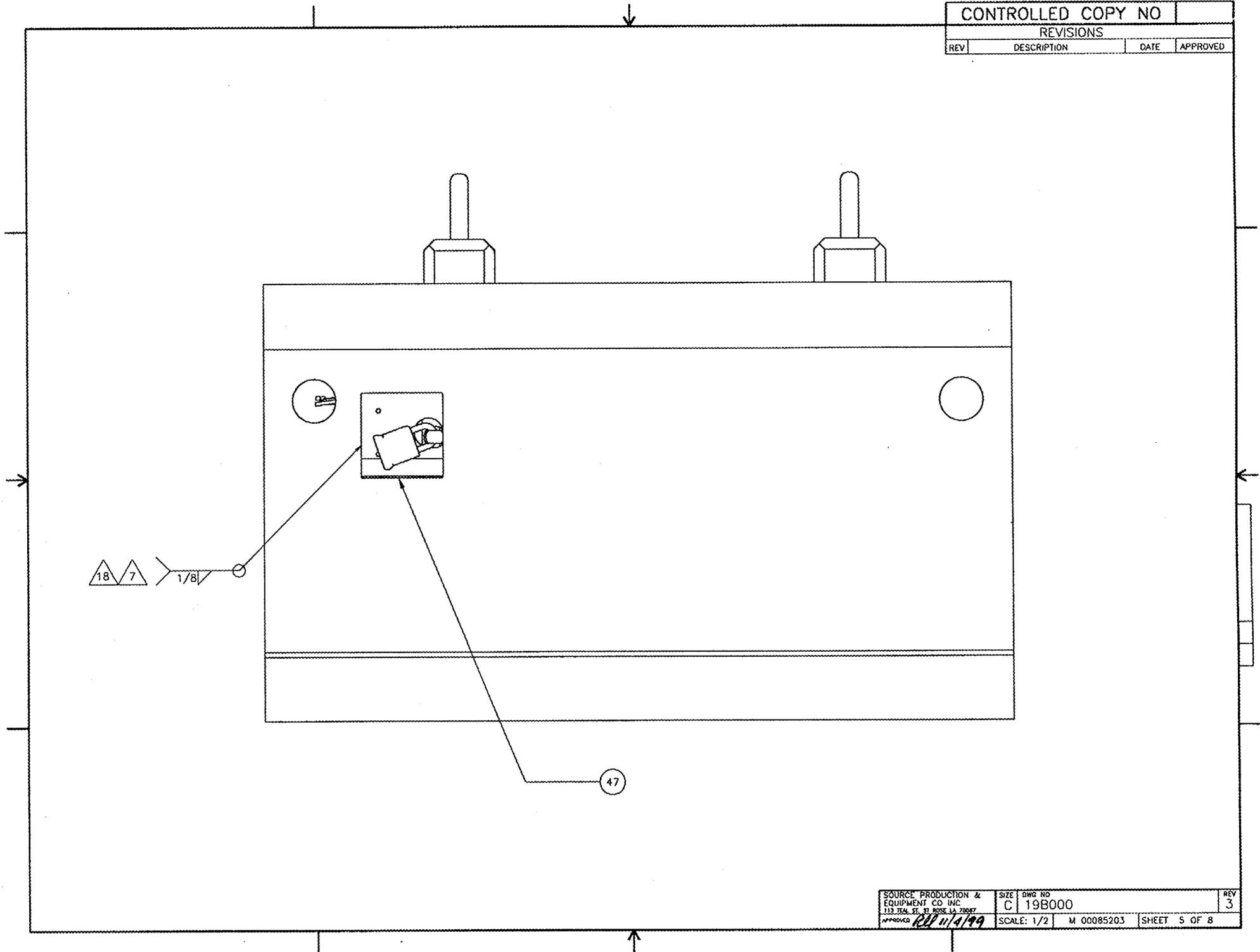
	1	1	EA	OPT	190748-1	LOCK HASP ASSEMBLY	316/316L CRES	47
	1	1	EA	OPT	190754-1	OUTLET END FLANGE ATTACHMENT BOSS	316/316L CRES	46
	13	13	EA	OPT	500002	1/2-20 X 1L SET SCREW	N/A	45
	1	1	EA	OPT	190759-1	DOME CRADE BASE 1/4 PLATE	316/316L CRES	44
	1	1	EA	OPT	190745-1	HOT TOP SUPPORT ASSY 1/4 PLATE	316/316L CRES	43
	4	4	EA	OPT	500005	3/8 LOCK WASHER	N/A	42
	4	4	EA	OPT	500000	3/8-16 X 1L HEX HD BOLT	N/A	41
	4	4	EA	OPT	150606-1	12-24 X 1/2L FLATHEAD TORX SCREW	N/A	40
	2	2	EA	OPT	150599-1	12-24 X 1/4L FLATHEAD TORX SCREW	N/A	39
	1	1	EA	OPT	190773-1	LOCK BOX WARNING PLATE	N/A	38
	2	2	EA	OPT	111204	8-32 X 1/4 TRUSS HEAD SCREW	N/A	37
	1	1	EA	OPT	190775-1	1/2 NIPPLE	N/A	36
	1	1	EA	OPT	190774-1	3/8 NIPPLE	N/A	35
	1	1	EA	OPT	190810-1	1/2 X 3/8 PIPE REDUCER	N/A	34
	20	20	EA	OPT	500003	1/8 OPEN END RIVET 5/16-3/8 GRIP	N/A	33
	2	2	EA	OPT	190729-1	LOCK BOX SPACER		32
	-3	-1						
QTY	REQD	UM	MANUF	IDENTIFYING NUMBER	PART OR NOMENCLATURE OR DESCRIPTION	MATERIAL SPECIFICATION	ITEM NO.	

PARTS LIST

FIGURE WITHHELD UNDER 10 CFR 2.390

FIGURE WITHHELD UNDER 10 CFR 2.390

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

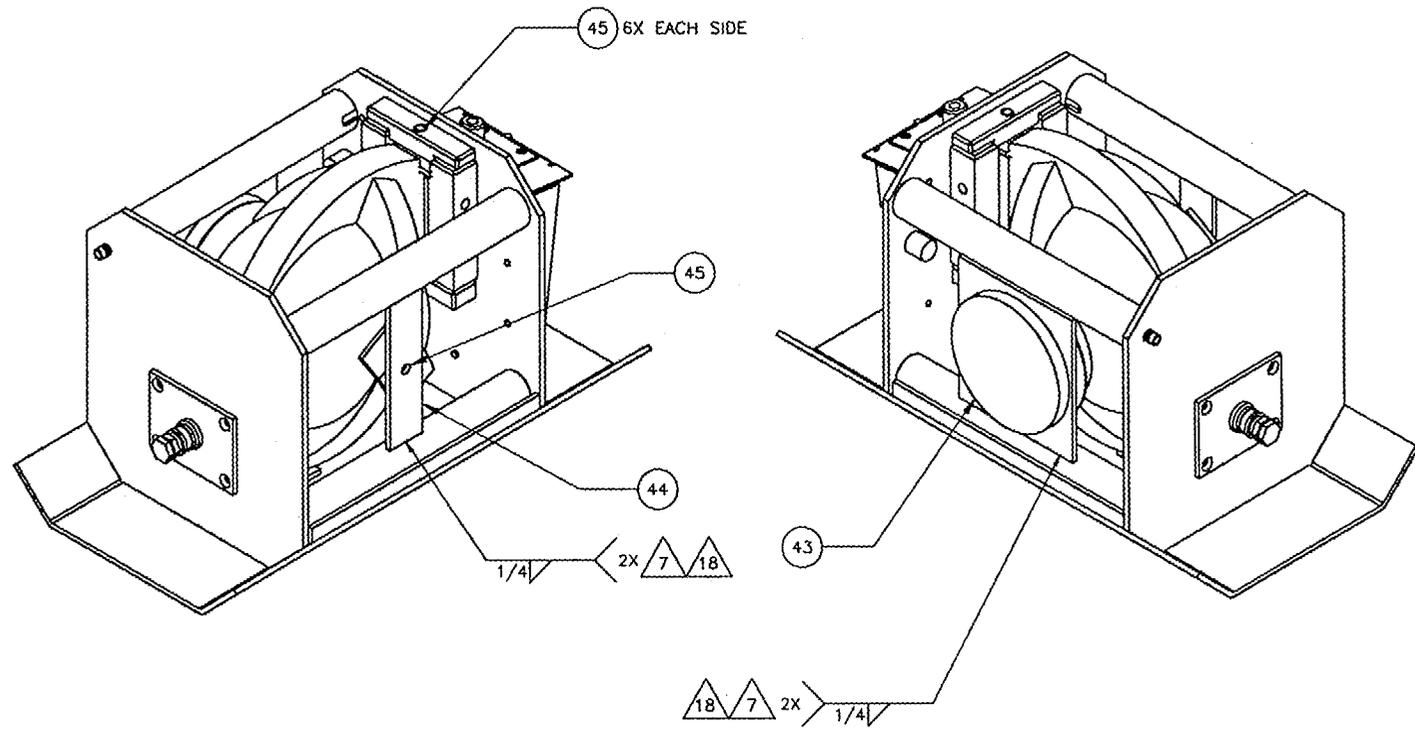


SOURCE PRODUCTION & EQUIPMENT CO INC 113 JEAL ST, ST ROSE LA 70067	SIZE DWG NO C 19B000	REV 3
APPROVED <i>RUP 11/1/99</i>	SCALE: 1/2	M 00085203 SHEET 5 OF 8

FIGURE WITHHELD UNDER 10 CFR 2.390

FIGURE WITHHELD UNDER 10 CFR 2.390

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REV	DESCRIPTION	DATE	APPROVED



ENCLOSURE COVER NOT SHOWN

SOURCE PRODUCTION & EQUIPMENT CO INC 113 TEAL ST. ST ROSE, LA 70087	SIZE	DWG NO	REV
	C	19B000	3
APPROVED <i>[Signature]</i> 11/2/99	SCALE: 1/2	M 00085203	SHEET 8 OF 8

FIGURE WITHHELD UNDER 10 CFR 2.390

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN TOLERANCES ARE .XX ± .50		APPROVALS		DATE	SOURCE PRODUCTION & EQUIPMENT CO., INC. 113 TEAL ST, ST ROSE, LA 70087		
DO NOT SCALE DRAWING		DRAWN	RAM	9/2/98	DU SHIELD-		
TREATMENT NONE		CHECKED	PW	9/23/98	CO-60, SPEC-300 EXPOSURE DEVICE		
FINISH NONE		ISSUED	RDD	9/24/98	SIZE	DWG NO.	REV
SA CLASS 0-A					C	B190700	3
		SCALE: 1/2			M 00058103	SHEET 1 OF 1	