NRC FORM 374
(7-94)

U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE

Amendment No. 01 ORC

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee	
1. SRB Technologies, Inc.	In accordance with letter dated July 24, 1996, 3. License Number 32-23774-02E is amended in its entirety to read as follows:
2. 2580 Landmark Drive Winston-Salem, NC 27103	4. Expiration Date: November 30, 2000
	5. Docket or Reference No.: 030-33705

6. Byproduct, Source, and/or Special Nuclear Material	7. Chemical and/or Physical Form	8. Maximum Amount that Licensee May Possess at Any One Time Under This License
A. Hydrogen-3	A. Sealed self-luminous light sources (SRB Technologies Models MH Series)	A. Not applicable. (See Condition 10)

9. Authorized Use

Pursuant to Section 32.22, 10 CFR Part 32, the licensee is authorized to distribute sealed self-luminous light sources in gun and archery sights as specified in Condition 10 of this license to persons exempt from the requirements for a license pursuant to Section 30.19, 10 CFR Part 30, or equivalent provisions of the regulations of any Agreement State.

CONDITIONS

10. The licensee is authorized to distribute the following series of self-luminous sight assembly sets containing hydrogen-3 to persons exempt from licensing pursuant to Section 30.20, 10 CFR Part 30.

Series	Drawing No.	TYPE	Maximum Activity per Device
RLP	TL-1005	Rear sight with low profile	30 millicuries per source/ 90 millicuries per weapon
RHP	TL-1006	Rear sight with high profile	30 millicuries per source/ 90 millicuries per weapon
FB	TL-1007	Front blade sight	30 millicuries per source/ 90 millicuries per weapon
FP	TL-1008	Front post sight	30 millicuries per source/ 90 millicuries per weapon

MLOO CUTOFF

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number 32-23774-02E

Docket or Reference Number 030-33705

Amendment No. 01

CONDITIONS

(Continued)

Series	Drawing No.	TYPE	Maximum Activity per Device
RBW	TL-1009	Rear bow sight	30 millicuries per source/ 90 millicuries per weapon
FBW	TL-1010	Front bow sight	30 millicuries per source/ 90 millicuries per weapon
SG	TL-1013	Shot guns and long barrel	30 millicuries per source/ 90 millicuries per weapon

11. This license does not authorize possession or use of licensed material.

12. The licensee may distribute only from its facility located at 2580 Landmark Drive, Winston-Salem, NC.

13. The licensee shall file periodic reports as specified in Section 32.25(c), 10 CFR Part 32.

14. Each device distributed under this license shall be manufactured, tested, and labeled in accordance with Sections 32.22, 32.23, 32.24, and 32.25 of 10 CFR Part 32.

15. Except as specifically provided otherwise by this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

A. Letter dated November 2, 1995;
B. Registration Certificate No. NR-0585-D-104-E; and
C. Letter dated July 24, 1996.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

TBC 8/26/96 8/24/96 SWW 8/26/96 CB

DATE: August 27, 1996

BY: Original signed by:

J. Bruce Carrico
Medical, Academic, and Commercial
Use Safety Branch
Division of Industrial and
Medical Nuclear Safety
Office of Nuclear Material Safety
and Safeguards
Washington, DC 20555

5. Submit a complete renewal application (with proper fee) or termination request (no fee required) at least 30 days before the expiration date on your license. You should receive a reminder notice approximately 90 days before the expiration date. Continued distribution of products containing radioactive material after your license expires is a violation of NRC regulations.

6. In accordance with 10 CFR 30.36, request termination of your license if you plan to permanently discontinue activities involving distribution of products containing radioactive material.

You will be periodically inspected by NRC. Failure to conduct your program in compliance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC may result in enforcement action(s) against you. This could include issuance of a notice of violation; proposed imposition of a civil penalty; or an order suspending, modifying, or revoking your license as specified in the "General Statement of Policy and Procedures for NRC Enforcement Actions," (NUREG-1600).

If you have any questions, please feel free to contact me at (301) 415-5799.

Sincerely,

Original signed by:

Stephen W. Holmes
Medical, Academic, and Commercial
Use Safety Branch
Division of Industrial and
Medical Nuclear Safety
Office of Nuclear Material Safety
and Safeguards

Docket No. 030-33705

Enclosure: Amendment No. 01

cc: Dayne H. Brown, Director
Division of Radiation Protection
Department of Environment, Health
and Natural Resources
3825 Barrett Drive
P.O. Box 27687
Raleigh, NC 27611-7687

DISTRIBUTION:
License File 32-23774-02E
NMSS r/f
IMNS c/f
IMAB r/f
LWCamper
TWRich
RII

DOCUMENT NAME: G:\SRBTECH.CJB

To receive a copy of this document, indicate in the box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

OFFICE	IMAB:NMSS	C	IMAB:NMSS	N						
NAME	SWHolmes SWH		JBCarrico JBC							
DATE	08/24/96		08/24/96							

OFFICIAL RECORD COPY

August 27, 1996

SRB Technologies, Inc.
ATTN: Brian G. Pullen
President
2580 Landmark Drive
Winston-Salem, North Carolina 27103

Dear Mr. Pullen:

Enclosed is Amendment No. 01 amending NRC License No. 32-23774-02E in its entirety. A copy of your revised Registration Certificate was forwarded to you under separate cover.

Please review the enclosed document carefully and be sure that you understand all the conditions. If there are any errors or questions, please contact me so that appropriate corrections and answers can be provided.

Please be advised that you must conduct your program involving radioactive materials in accordance with the conditions specified in your NRC license, representations made in your license application, and other rules, regulations, and orders of the U.S. Nuclear Regulatory Commission, now or hereafter in effect, to include the following:

1. Comply with applicable NRC regulations in 10 CFR Part 30, "Rules of General Applicability to Domestic Licensing of Byproduct Material"; 10 CFR Part 32, "Specific Domestic Licenses to Manufacture or Transfer Certain Items Containing Byproduct Material"; and other applicable regulations.

   NOTE: Licensees authorized to distribute or initially transfer products containing byproduct material must also possess a valid possession license issued either by NRC or an Agreement State(s) which authorizes possession and use of byproduct material.

2. Distribute only those products containing radioactive material which are specifically authorized in your license.

3. Notify NRC in writing within 30 days of any change in mailing address (no fee is required if the location of radioactive material remains the same).

4. Request and obtain appropriate amendments if you plan to change control or ownership of your organization, change locations of distribution of products containing radioactive material, or make any other changes in your program which are contrary to the license conditions or representations made in your license application and any supplemental correspondence with NRC. A license fee may be charged for the amendments if you are not in a fee-exempt category.

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF A DEVICE
(AMENDED PAGE - AUGUST 9, 1996)

NO.: NR-0585-D-104-E DATE: September 21, 1995 PAGE 1 OF 7

DEVICE TYPE: Illuminated Sight Assembly

MODEL: RLP Series, RHP series, FB Series, FP Series, SG Series, RBW Series and FBW Series

MANUFACTURER/DISTRIBUTOR: SRB Technologies, Inc.
2597 Landmark Drive
Winston-Salem, NC 27103

SEALED SOURCE MODEL DESIGNATION: SRB Technologies (Canada) Inc.
Betalight type: "MH"
Part Numbers
2500G0350150A
2510350G0250A
2520350G0250A

ISOTOPE:	MAXIMUM ACTIVITY:
Hydrogen-3 (tritium)	30 mCi (1.1 GBq) (Max. 3 sources per gun or bow)

LEAK TEST FREQUENCY: Not required for tritium

PRINCIPAL USE: (R) Gas source (tritium)

CUSTOM DEVICE: _____ YES ____X____ NO

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF A DEVICE
(AMENDED PAGE - AUGUST 9, 1996)

NO.: NR-0585-D-104-E DATE: September 21, 1995 PAGE 2 OF 7

DEVICE TYPE: Illuminated Sight Assembly

DESCRIPTION:

Model RLP Series, RHP series, FB Series, FP Series, SG Series, RBW Series and FBW Series all contain the model Betalight "MH" light source. The betalight "MH" is a source consisting of a small cylindrical borosilicate glass vial containing tritium and a fluorescent substance which emits light. These sources are mounted into the metal gun or bow sights. When they are mounted so as to expose the end of the cylinder, they produce a round "dot" of light. When they are mounted so as to expose part of the side of the cylinder, they produce a short "line" of light. Typically, for gun sights there is a single "dot" source on the front sight. The rear sight may have either two "dot" sources, or two "line" sources located end-to-end.

The glass vials may be surrounded by a thin layer of plastic to cushion it inside the metal gun sight structure. They are held in the metal sight by a press fit and an adhesive (Loctite-Black Max). Side areas which are exposed to emit light are sharply convex surfaces which are strong and resist puncture. End areas which are exposed to emit light may have a protective glass sapphire window or sharply convex surfaces which are strong and resist puncture The devices are designed to withstand the vigorous vibrations from firing the gun on which they are mounted, as well as expected drops from heights as much as 6.5 feet (2 meters) in any direction. All series of sights have a minimum protective wall thickness of 0.016" (0.4 mm) to the light source.

Different sets of sights are distributed which will fit on several kinds of guns and bows. The sights are designated by the following series and drawing numbers:

RLP, dwg. no. TL-1005, rear sight with low profile
RHP, dwg. no. TL-1006, rear sight with high profile
FB, dwg. no. TL-1007, front blade sight
FP, dwg. no. TL-1008, front post sight
RBW, dwg. no. TL-1009, rear bow sight
FBW, dwg. no. TL-1010, front bow sight
SG, dwg. no. TL-1013, for shot guns and long barrels

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF A DEVICE
(AMENDED PAGE - AUGUST 9, 1996)

DEVICE TYPE: Illuminated Sight Assembly

LABELING:

All sights will be permanently stamped or etched with "H3" and the licensee's name "SRBT."

DIAGRAM:

See Attachments 1 through 5

CONDITIONS OF NORMAL USE

The illuminated gun sight units are inserted in metal gun sights and attached to the barrels of various kinds of guns and bows. Gun sights will be subjected to an intense shock each time the gun is fired, and to other shocks when the gun is accidentally dropped during field use.

PROTOTYPE TESTING

The manufacturer reports that testing for these devices was performed according to the requirements in draft NRC/SSSS "Standard Requirements for Tritium Illuminated Gun Sights Containing Tritium Gas Sealed in Glass Vials." The following tests required by this document were made:

3.2.1 - Chemical
3.2.2 - Temperature
3.2.3 - Temperature shock
3.2.4 - Vibration
3.2.5 - Pressure
3.2.6 - Penetration
3.2.7 - Mechanical Shock
3.2.8 - Firing
3.2.9 - Evaluation

The firing test for the illuminated gun sight assemblies was conducted on an Army M-14 rifle, which was judged to subject them to larger shocks than any other weapon on which they are likely to be used.

DEVICE TYPE: Illuminated Sight Assembly

PROTOTYPE TESTING: (con't)

The manufacturer reported there was no apparent damage to the devices or loss of containment or shielding following any of the tests. They passed the evaluation tests based on an allowable loss of tritium into the rinse water used in the test.

EXTERNAL RADIATION LEVELS

Since tritium is a soft beta emitter, its radiation is not very penetrating. The sources are contained in glass vials, which are in turn encased in thin plastic. These are in turn surrounded by metal except for one end, or a slim line on one side to allow the light to be emitted. Hence, it is concluded that any radiation emitted from the gun sight assemblies will be so near background levels as to be undetectable.

QUALITY ASSURANCE AND CONTROL

The quality assurance program for the assembly of the sights by Saunders-Roe Displays, Inc. has been reviewed, and found to be acceptable to NRC for producing devices for distribution by SRB Technologies, Inc.

LIMITATIONS AND/OR OTHER CONSIDERATIONS OF USE

- These devices may be distributed to any person who is exempt from the requirements for a license in accordance with Section 30.19 of 10 CFR Part 30.
- This registration sheet and the information contained within the references shall not be changed without the written consent of the NRC.

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF A DEVICE
(AMENDED PAGE - AUGUST 9, 1996)

NO.: NR-0585-D-104-E DATE: September 21, 1995 PAGE 5 OF 7

DEVICE TYPE: Illuminated Sight Assembly

SAFETY ANALYSIS SUMMARY:

Based on our review of the information and test data cited below, we conclude that the product is designed and manufactured so that.

- In normal use and disposal of a single exempt unit, it is unlikely that the external radiation dose in any one year, or the dose commitment resulting from the intake of radioactive material in any one year, to a suitable sample of the group of individuals expected to be most highly exposed to radiation or radioactive material from the product will exceed the dose to the appropriate organ as specified in Column I of the following table.

- In normal handling and storage of the quantities of exempt units likely to accumulate in one location during marketing, distribution, installation, and servicing of the product, it is unlikely that the external radiation dose in any one year, or the dose commitment resulting from the intake of radioactive material in any one year, to a suitable sample of the group of individuals expected to be most highly exposed to radiation or radioactive material from the product will exceed the dose to the appropriate organ as specified in Column II of the following table.

- It is unlikely that there will be a significant reduction in the effectiveness of containment, shielding, or other safety features of the product from wear and abuse likely to occur in normal handling and use of the product during its useful life.

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF A DEVICE
(AMENDED PAGE - AUGUST 9, 1996)

NO.: NR-0585-D-104-E DATE: September 21, 1995 PAGE 6 OF 7

DEVICE TYPE: Illuminated Sight Assembly

SAFETY ANALYSIS SUMMARY (continued):

- In use and disposal of a single exempt unit, or in handling and storage of the quantities of exempt units likely to accumulate in one location during marketing, distribution, installation, and servicing of the product, the probability is low that the containment, shielding, or other safety features of the product would fail under such circumstances that a person would receive an external radiation dose or dose commitment in excess of the dose to the appropriate organ as specified in Column III of the table below, and the probability is negligible that a person would receive an external radiation dose or dose commitment in excess of the dose to the appropriate organ as specified in Column IV of the table below.

TABLE OF ORGAN DOSES (Rem)

Part of the body	Col. I	Col. II	Col. III	Col. IV
WB, head, trunk, gonads, eyes	0.001	0.01	0.5	15
Extremities, skin	0.015	0.15	7.5	200
Other organs	0.003	0.03	1.5	50

Based on the information and test data cited in the references listed below, we continue to conclude that these device designs are acceptable for exempt licensing purposes.

Furthermore, we continue to conclude that these devices would be expected to maintain their containment integrity for normal conditions of use and accidental conditions which might occur during uses specified in this certificate.

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF A DEVICE
(AMENDED PAGE - AUGUST 9, 1996)

NO.: NR-0585-D-104-E DATE: September 21, 1995 PAGE 7 OF 7

DEVICE TYPE: Illuminated Sight Assembly

REFERENCES:

The following supporting documents for the series of sights listed on page one of this certificate are hereby incorporated by reference, and are made a part of this registry document:

- SRB Technologies letters dated **July 24, 1996**, July 21, 1995, June 12, 1995, May 22, 1995, and March 1, 1995, with enclosures thereto.
- SRB Technologies letter of October 28, 1994, with enclosed application for an Exempt Materials License for gun sights

ISSUING AGENCY:

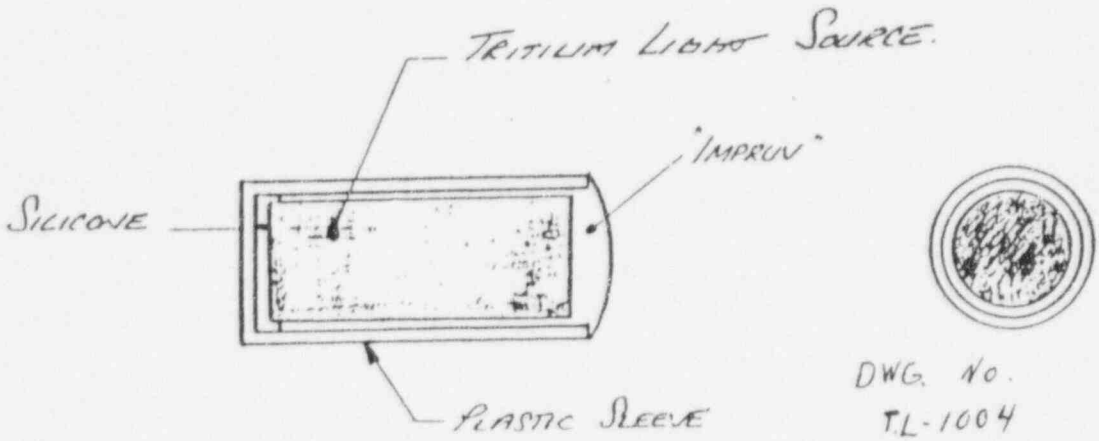
U.S. Nuclear Regulatory Commission

Date: August 9, 1996 Reviewer: Thomas W. Rich
Thomas W. Rich

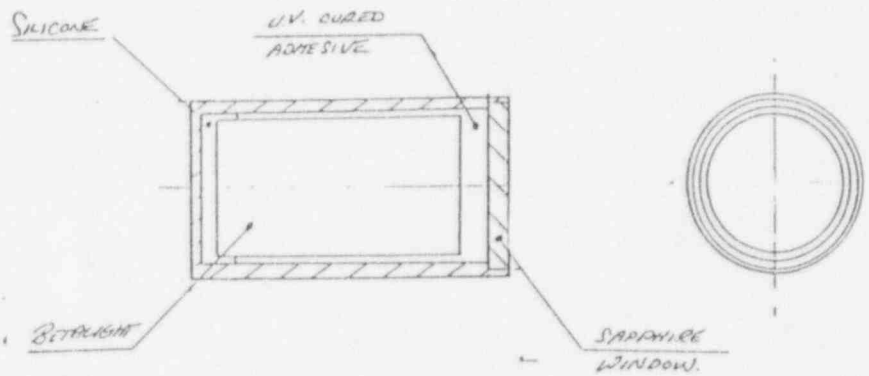
Date: August 9, 1996 Concurrence: Steven L. Baggett
Steven L. Baggett

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE
(AMENDED PAGE - AUGUST 9, 1996)

NO.: NR-0585-D-104-E DATE: September 21, 1995 ATTACHMENT 1



DWG. NO.
T.L-1004



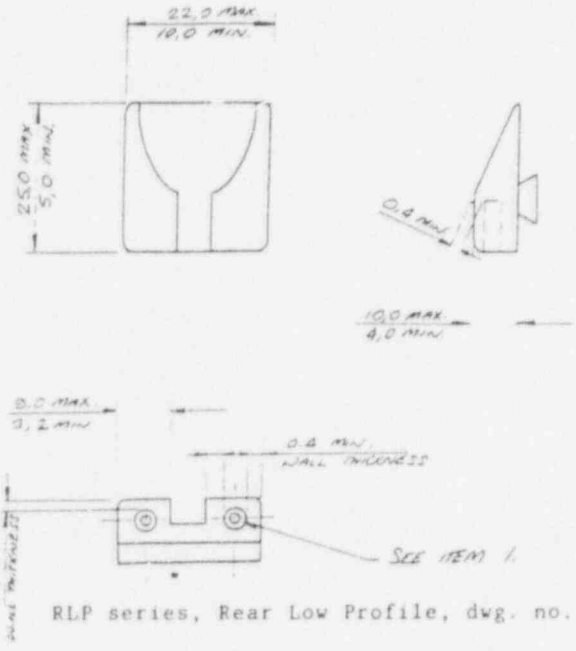
DWG NO.
T.L.-1016

Type "MH" Betalight insert assembly (ITEM 1)

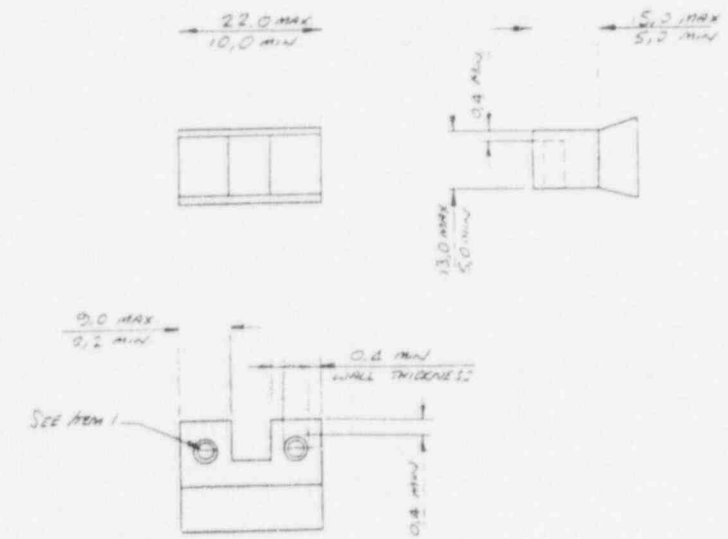
SRBT	H3	DRG. No.
TITLE: LABELLING DETAILS.		TL-1015

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE
(AMENDED PAGE - AUGUST 9, 1996)

NO.: NR-0585-D-104-E DATE: September 21, 1995 ATTACHMENT 2



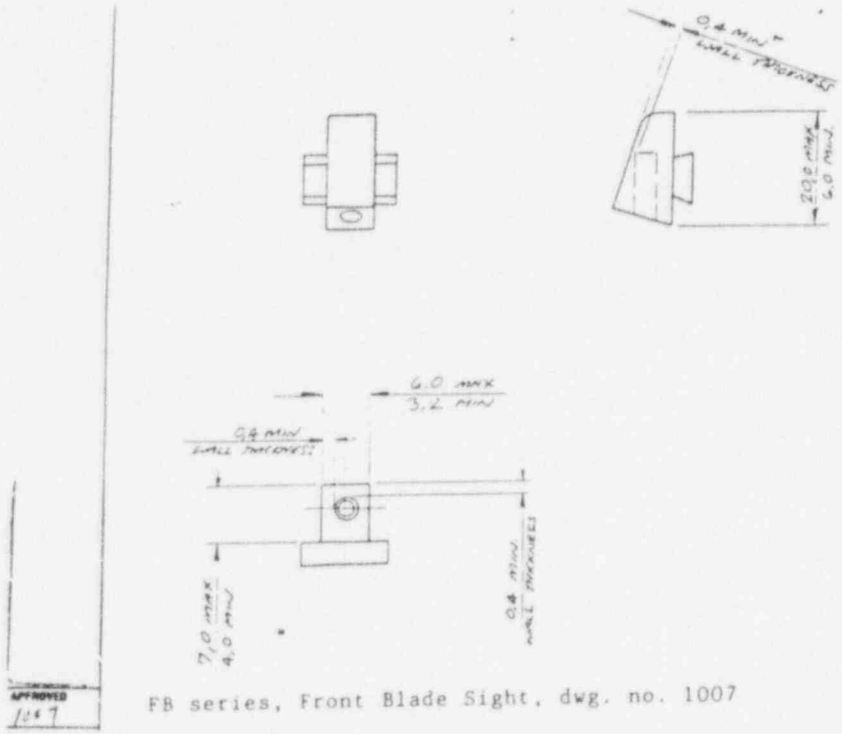
RLP series, Rear Low Profile, dwg. no. TL-1005



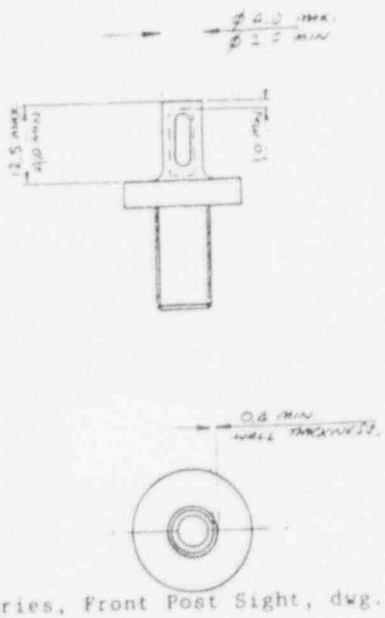
RHP series, Rear High Profile, dwg. no. TL-1006

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE
(AMENDED PAGE - AUGUST 9, 1996)

NO.: NR-0585-D-104-E DATE: September 21, 1995 ATTACHMENT 3



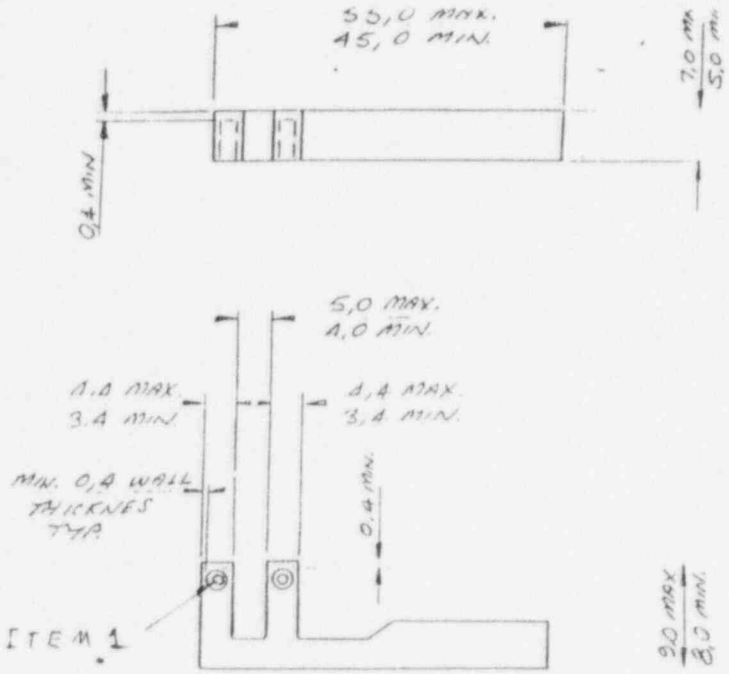
FB series, Front Blade Sight, dwg. no. 1007



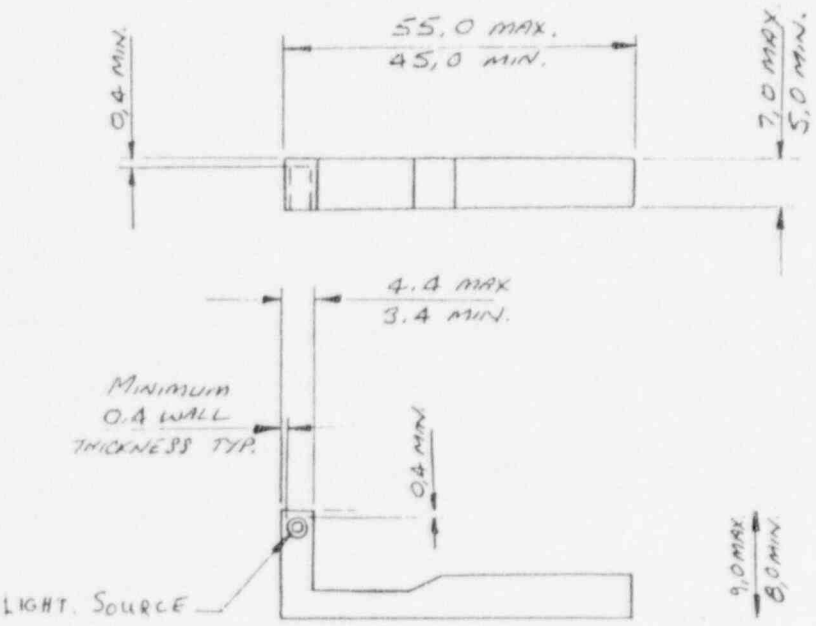
FP series, Front Post Sight, dwg. no. TL-1008

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE
(AMENDED PAGE - AUGUST 9, 1996)

NO.: NR-0585-D-104-E DATE: September 21, 1995 ATTACHMENT 4



RBW series, Rear Bow Sight, dwg. no. TL-1009

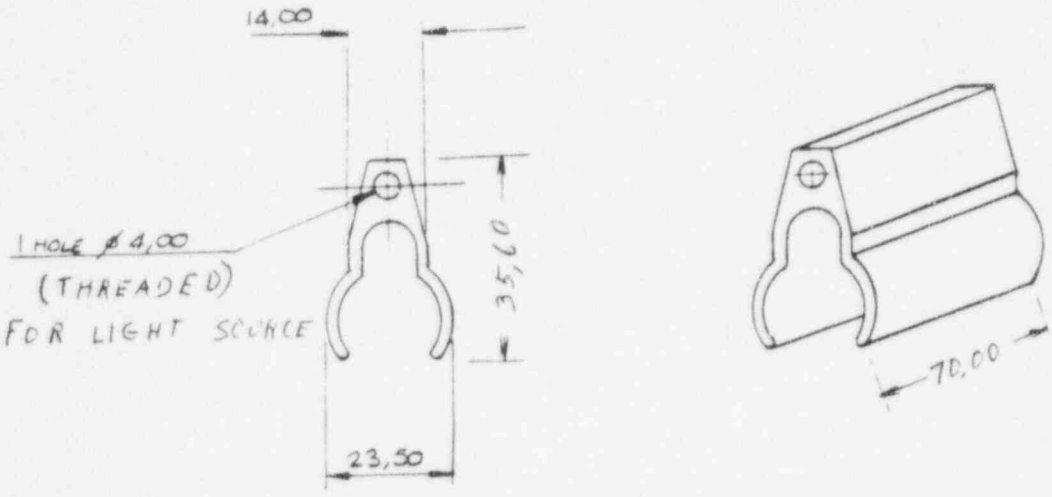


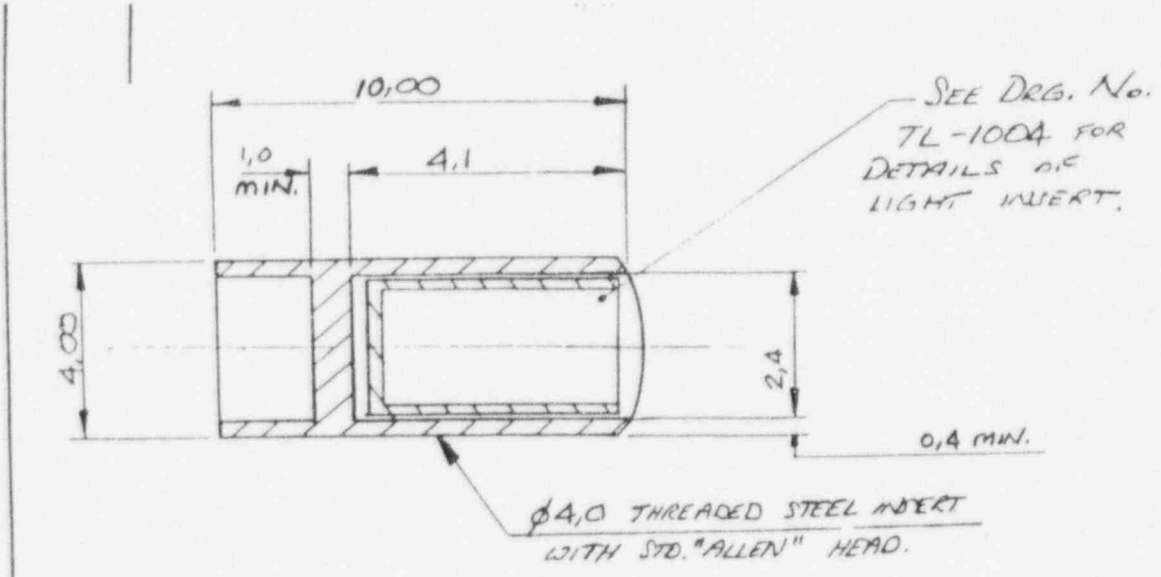
FBW series, Front Bow Sight, dwg. no. TL-1010

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE
(AMENDED PAGE - AUGUST 9, 1996)

NO.: NR-0585-D-104-E DATE: September 21, 1995 ATTACHMENT 5

SG series, Shotgun Sight, dwg. no. TL-1013





DWG. No. TL-1014 - Threaded Insert for shotgun

NRC FORM 577 (1-95)

U.S. NUCLEAR REGULATORY COMMISSION

LICENSE FEE REQUIREMENTS

ATTN: Sandra Kimberly, T-9E10
LICENSE FEE AND DEBT COLLECTION BRANCH
DIVISION OF ACCOUNTING AND FINANCE
OFFICE OF THE CONTROLLER
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001
301-415-6096

SRB Technologies, Inc.
ATTN: Brian M. Parker, President
PO Box 25267
Winston-Salem, NC 27114-5267

TYPE OF ACTION

- ☐ NEW LICENSE
- ☐ RENEWAL OF LICENSE
- ☒ AMENDMENT TO LICENSE

REQUESTED DATE: 7/24/96

LICENSE NUMBER: 32-23774-02E

CONTROL NUMBER: 021864

I. APPLICATION FEE DUE

Your request for a licensing action is subject to the fee(s) in the category(ies) noted below in accordance with Section 170.31 of the enclosed Federal Register notice. Payment of the fee is required prior to the issuance of the license, renewal, or amendment.

FEE CATEGORY	APPLICATION	RENEWAL	AMENDMENT
3H	$	$	$ 1,000
	$	$	$
	$	$	$
	$	$	$
	$	$	$
	$	$	$
	$	$	$
	$	$	$
	$	$	$
	$	$	$

FEE(s) DUE $ 1,000
PAYMENT RECEIVED $ 0
AMOUNT DUE $ 1,000

☒ Your request was received without the prescribed application fee.

☐ We received your Check No. _____ in the amount of $ _____. Payment of the additional fee noted above is required.

☐ Your request will increase the scope of your license program. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(d)(2).

☐ Your license expired prior to the receipt of your application for renewal. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(a).

MAKE PAYMENT OF THE FEE(S) TO THE U.S. NUCLEAR REGULATORY COMMISSION AND MAIL THE PAYMENT TO THE ADDRESS LISTED AT THE TOP OF THIS FORM. IF WE DO NOT RECEIVE A REPLY FROM YOU WITHIN 30 CALENDAR DAYS FROM THE DATE LISTED BELOW, WE SHALL ASSUME THAT YOU DO NOT WISH TO PURSUE YOUR APPLICATION AND WILL VOID THIS ACTION.

II. FEE NOT REQUIRED

☐ Enclosed is Check No. _____ which accompanied your request. The fee is not required because:

- ☐ We received your Check No. _____ in payment of the fee.
- ☐ The Licensing staff has informed us that your request is to be considered as a continuation of your request dated _____, Control No. _____.
- ☐ Your request was combined, prior to review, with your _____ request, Control No. _____.

III. CHECK RETURNED

☐ Enclosed is Check No. _____ which was returned to us by the bank for:

- ☐ INSUFFICIENT FUNDS
- ☐ ACCOUNT CLOSED
- ☐ OTHER

MAIL THE REPLACEMENT CHECK TO THE ADDRESS LISTED AT THE TOP OF THIS FORM AND REFERENCE THE ABOVE CONTROL NUMBER.

IV. LICENSE ISSUED WITHOUT THE REQUIRED FEE

☐ License No. _____, Amendment No. _____, issued on _____ was issued without the required fee being collected. The fee required is noted in Section I of this form.

☐ The scope of your licensed program was increased. Therefore, your request is subject to the application fee(s) noted in Section 1 of this form. Refer to Section 170.31 and Footnote 1(d)(2).

☐ Because of the urgency of your request, the license was issued without remittance of the prescribed fee noted in Section 1 of this form.

SIGNATURE -- LICENSE FEE ANALYST	LFDCB	LFDCB	Distribution:	DATE
S. Kimberly	SK 8/13/96		Pending File LFARB R/F LF-3.2.7 HPDS: SGreene LFARB R/F DNF	8/13/96

NRC FORM 577 (1-95)

This form was electronically produced by Elite Federal Forms, Inc.

Amend 7/31 030-33705

SRB Technologies, Inc.

P. O. Box 25267
Winston-Salem, NC 27114-5267
Tel: (910) 659-2610
FAX: (910) 768-7720

July 24, 1996

Mr. Steven Baggett
U.S. Nuclear Regulatory Commission
Mailstop T8F5
Washington, DC 20555-0001

Ref: NRC License # 32-23774-02E

Dear Mr. Baggett:

With reference to the above license, I hereby request an amendment to include two additional plastic insert assemblies as shown on the enclosed drawings.

The devices shown on the above license are sealed self-luminous light sources in gun and archery sights. The reason for the design change is to ensure greater safety of the device as one of our customers uses a "solvent cleaner" containing a proprietary chemical which may have a detrimental effect on the sight lens material. In order to ensure the integrity of the device we have extended the length of the plastic housing by 0.5mm and added a protective glass sapphire window. All other design criteria remains the same. These additional assemblies do not require additional testing as they are basically the same as the current assembly but with an extra protector on the front face.

In addition, we are currently developing equipment to allow us to automate the manufacture of the insert assemblies and have included drawing no. TL-1017 to show the minor changes to the latest design in order to accommodate the automation process.

To summarize, I am requesting that the additional two plastic insert designs be included in our license. I respectfully request that this amendment be actioned as soon as possible as my company will lose a very large order if we cannot incorporate this change swiftly.

Should you have any questions then please do not hesitate to contact me.

Sincerely,

B. G. Pullen

Brian G. Pullen
President

021864

Enclosures

a) Drawing No. TL-1001 - Note added to drawing.

b) Drawing. Nos. TL-1005, TL-l006, TL-1007. - Note showing light variant #1a. has assembly drawing no. added.

c) Drawing. No. TL-1016 - Shows details of version #1 of the new plastic light insert complete with sapphire window.

d) Drawing No. TL-1017 - Shows details of version #2 of the new injection molded plastic light insert.

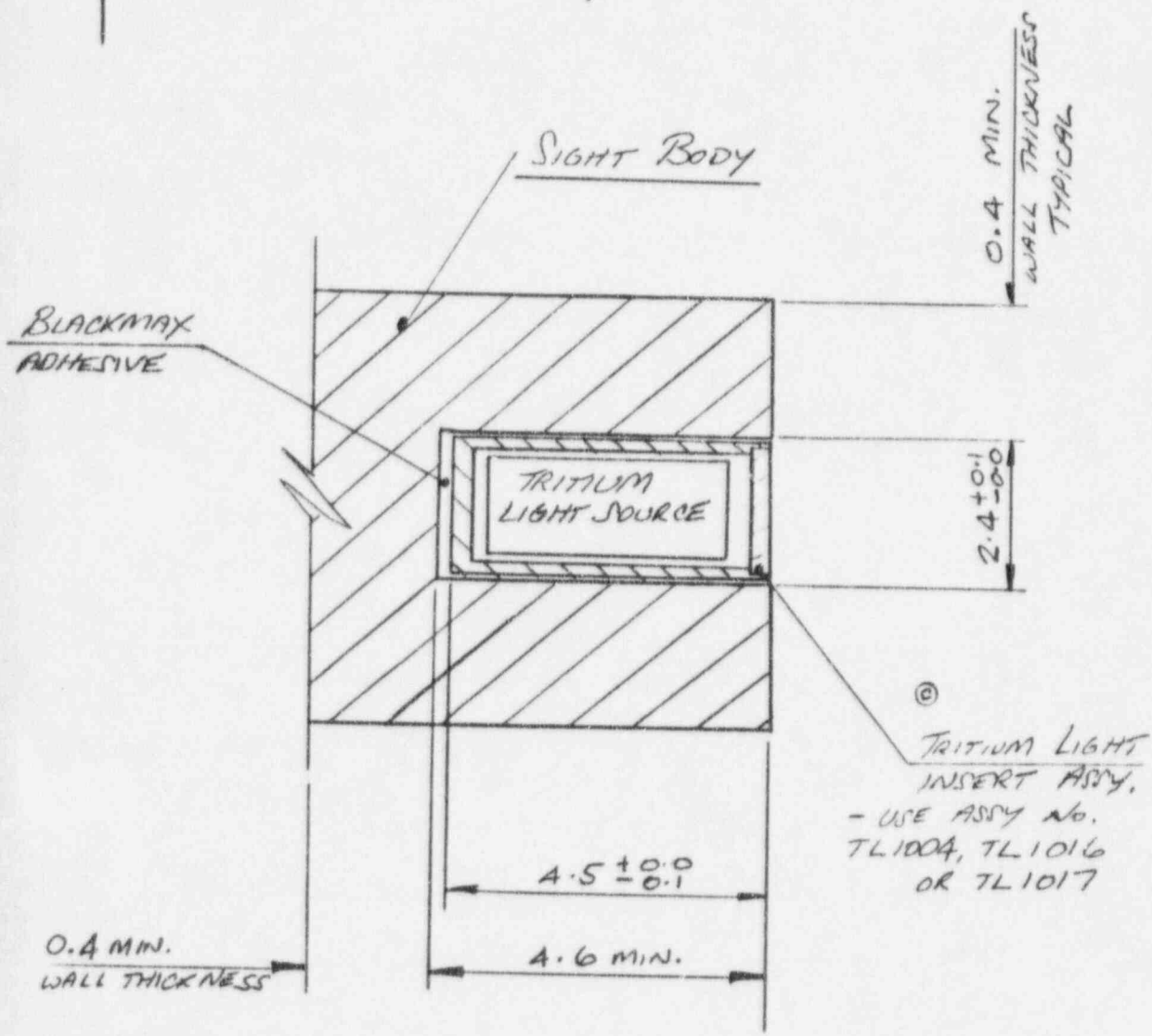
SECURITY CLASSIFICATION

3RD ANGLE PROJECTION

USED ON

DRAWING TO BE READ IN CONJUNCTION WITH BS 308

IF IN DOUBT-ASK



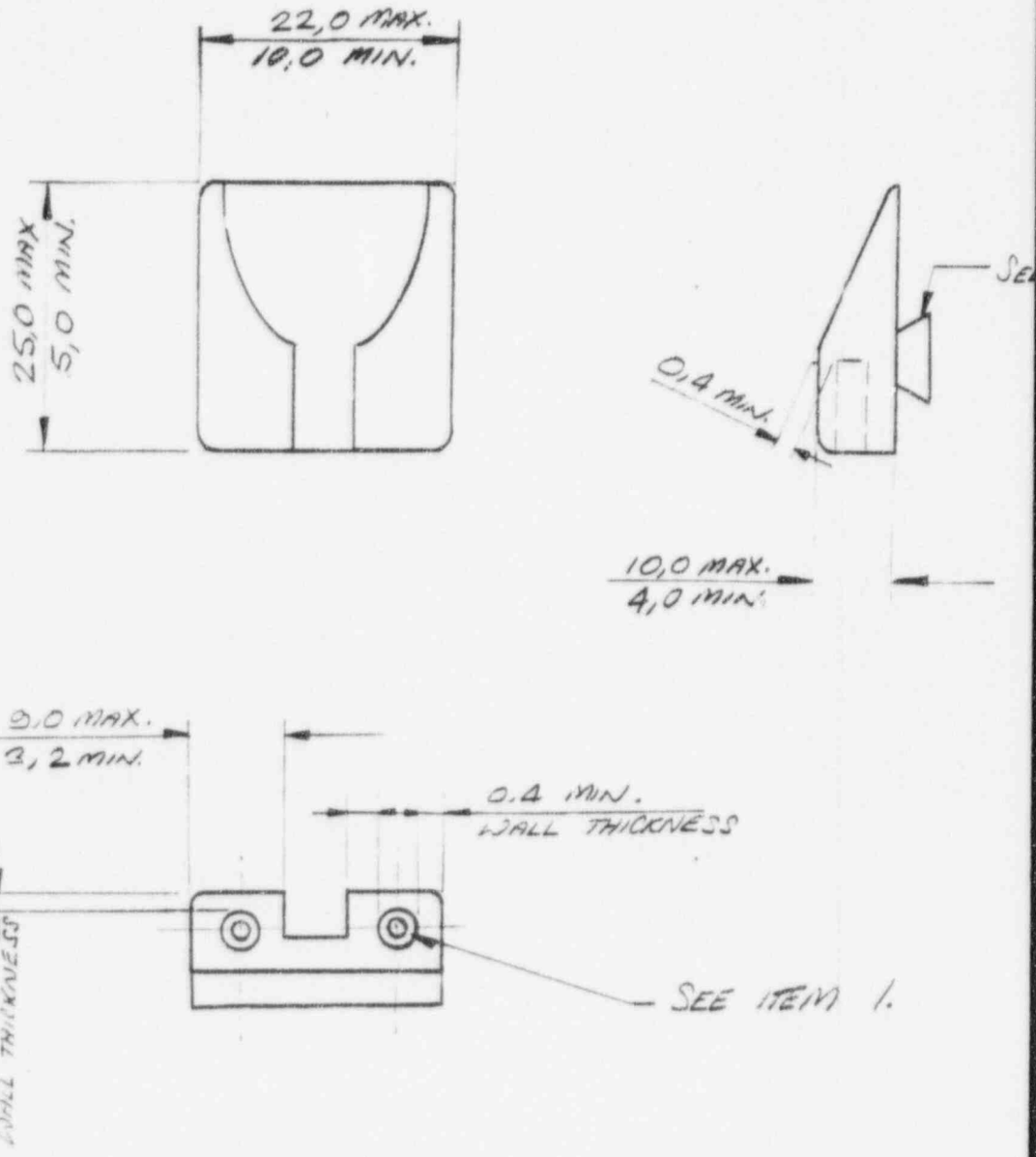
REMOVE ALL SHARP EDGES 0.5 RAD MAX.

APPROVED	TOLERANCES UNLESS OTHERWISE STATED DIM. ·XX ± ·10 DIM. ·X ± ·3 DIM. X· ± AND OVER	MATERIAL	C	7/22/96		B.P.
DATE			B	4/10/95		B.P
CHECKED	DIMS IN mm	PROTECTIVE FINISH	A	8/19/94		B.P
	SCALE N.T.S.		ISS.	DATE	CH. NOTE NO	SIGNED
DATE	SURF. TEXT.					

	SRB TECHNOLOGIES, INC.	SECURITY CLASS	
DRAWN B.P.	RESP. AUTH.	DRG. No. TL-1001	SHEET 1 OF 1
DATE 8/19/94	TITLE SIGHT ASSEMBLY	SERVICE DRG. No.	A 4

LONTEC REPRO 127189/320

SECURITY CLASSIFICATION		3rd ANGLE PROJECTION	IF IN DO
SERVICE DRG. No.		DRAWING TO BE READ IN CONJUNCTION WITH BS 308	
USED ON			



APPROVED			
DATE			
CHECKED	TOLERANCES UNLESS OTHERWISE STATED DIM. .XX ± .18 DIM. .X ± .3 DIM.X. ± AND OVER	MATERIAL	PROTECTIVE FINISH
DATE			
DRAWN		SURFACE TEXTURE	SCALE N. T. S.
DATE	REMOVE ALL SHARP EDGES 0·5 RAD MAX		DIMENSIONS IN MILLIMETRES

BT ASK

REAR SIGHT (LOW PROFILE) ~ VARIANTS

1/ LIGHT CONFIGURATION

(E) a) ROUND LIGHT (PLASTIC INSERT ASSY DRG TL1001)

ITEM 2 b) ROUND LIGHT ONLY

c) LINE

2/ MOUNTING CONFIGURATION

a) DOVETAIL

b) SCREW

c) FIXED

3/ HOUSING MATERIAL

a) STEEL

b) ALUMINUM

9611060195-1

ISS.	DATE	CN NOTE No.	SIGNED
B	7/22/96	—	B.P
A	4/7/95	—	B.P

SECURITY CLASSIFICATION

RESPONSIBLE AUTHORITY

ILLUMINATED SIGHTS

REAR - LOW PROFILE SERIES

DRAWING NUMBER: TL-1005 (RLP SERIES)

SHEET 1 OF 1

SERVICE DRAWING NUMBER

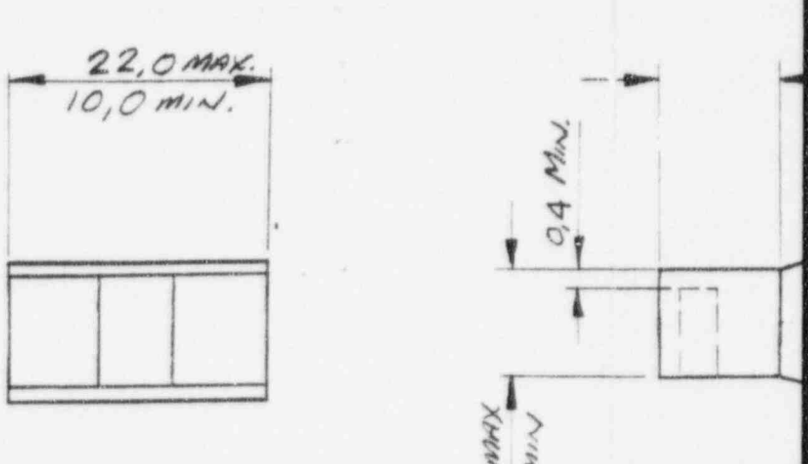
A3

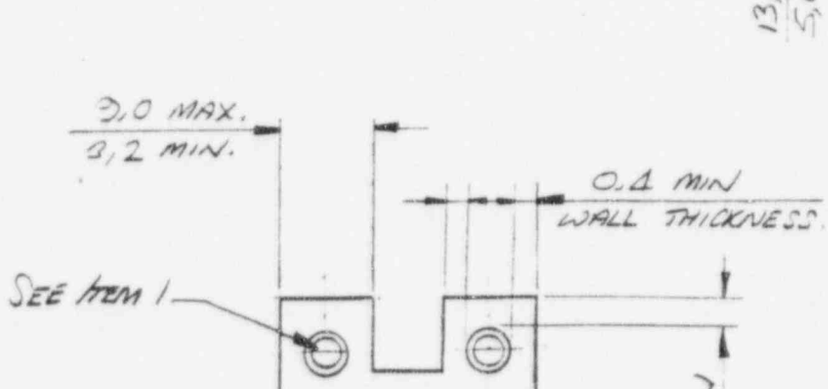
SECURITY CLASSIFICATION	
SERVICE DRG. No.	
USED ON	

3rd ANGLE PROJECTION

DRAWING TO BE READ IN CONJUNCTION WITH BS 308

IF IN DO





APPROVED			
DATE			
CHECKED	TOLERANCES UNLESS OTHERWISE STATED DIM. .XX ± .10 DIM. .X ± .3 DIM. X. ± AND OVER	MATERIAL	PROTECTIVE FINISH
DATE			
DRAWN		SURFACE TEXTURE	SCALE N.T.S.
DATE	REMOVE ALL SHARP EDGES 0·5 RAD MAX		DIMENSIONS IN MILLIMETRES

T ASK

REAR SIGHT (HIGH PROFILE) - VARIANTS

15,0 MAX
5,0 MIN

1/ LIGHT CONFIGURATION

(B) a) ROUND LIGHT (PLASTIC INSERT ASSY DRG TL1004)
b) ROUND LIGHT ONLY
c) LINE

2/ MOUNTING CONFIGURATION

a) DOVETAIL
b) SCREW
c) FIXED

3/ HOUSING MATERIAL

a) STEEL
b) ALUMINUM

9611060195-2

ISS.	DATE	CH. NOTE No.	SIGNED
B	7/22/96	—	B.P
A	4/7/95	—	BP

SECURITY CLASSIFICATION

RESPONSIBLE AUTHORITY

DRAWING NUMBER: TL-1006 (RHP SERIES)

SHEET 1 OF 1

ILLUMINATED SIGHTS

REAR HIGH PROFILE SERIES

SERVICE DRAWING NUMBER

A3

SECURITY CLASSIFICATION

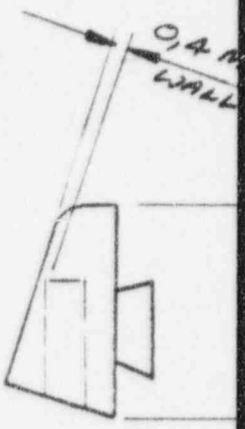
SERVICE DRG. No.

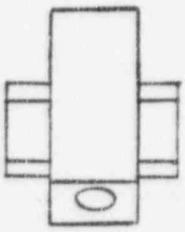
USED ON

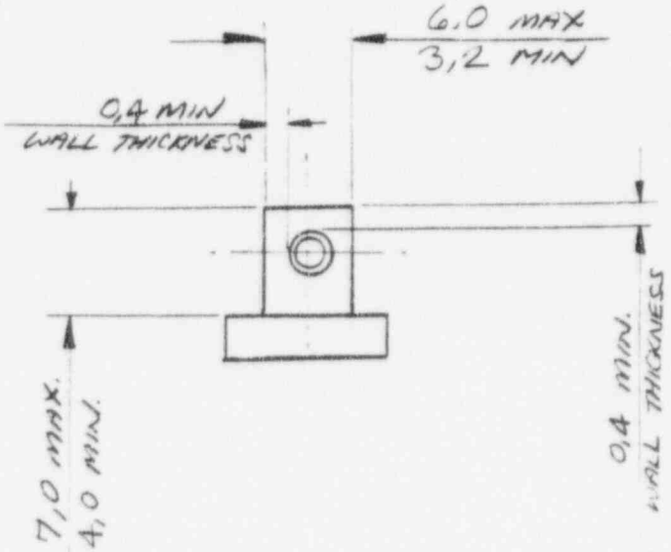
3rd ANGLE PROJECTION

DRAWING TO BE READ IN CONJUNCTION WITH BS 308

IF IN D







APPROVED

DATE

CHECKED

DATE

DRAWN BP

DATE 4/7/95

TOLERANCES UNLESS OTHERWISE STATED
DIM. .XX ± .10
DIM. .X ± .3
DIM. X. ±
AND OVER

REMOVE ALL SHARP EDGES 0·5 RAD MAX

MATERIAL

SURFACE TEXTURE

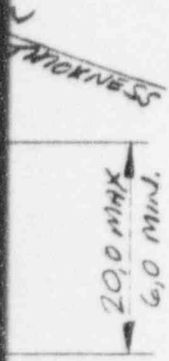
PROTECTIVE FINISH

SCALE N. T. S.

DIMENSIONS IN MILLIMETRE

UBT ASK

FRONT BLADE SIGHT - VARIANTS:



1/ LIGHT CONFIGURATION

(B) a) ROUND LIGHT (PLASTIC INSERT ASSY. DEB TL1001)

b) ROUND LIGHT ONLY.

2/ MOUNTING CONFIGURATION

a) DOVETAIL

b) SCREW

c) PEENED

d) FIXED

3/ HOUSING MATERIAL

a) STEEL.

b) ALUMINUM.

9611060195-3

ISS.	DATE	CN NOTE No.	SIGNED
B	7/12/96	—	B.P
A	4/7/95	—	B.P

SECURITY CLASSIFICATION

RESPONSIBLE AUTHORITY

DRAWING NUMBER: TL-1007 (FB SERIES)

SHEET 1 OF 1

ILLUMINATED SIGHTS
FRONT BLADE SERIES

SERVICE DRAWING NUMBER

A3

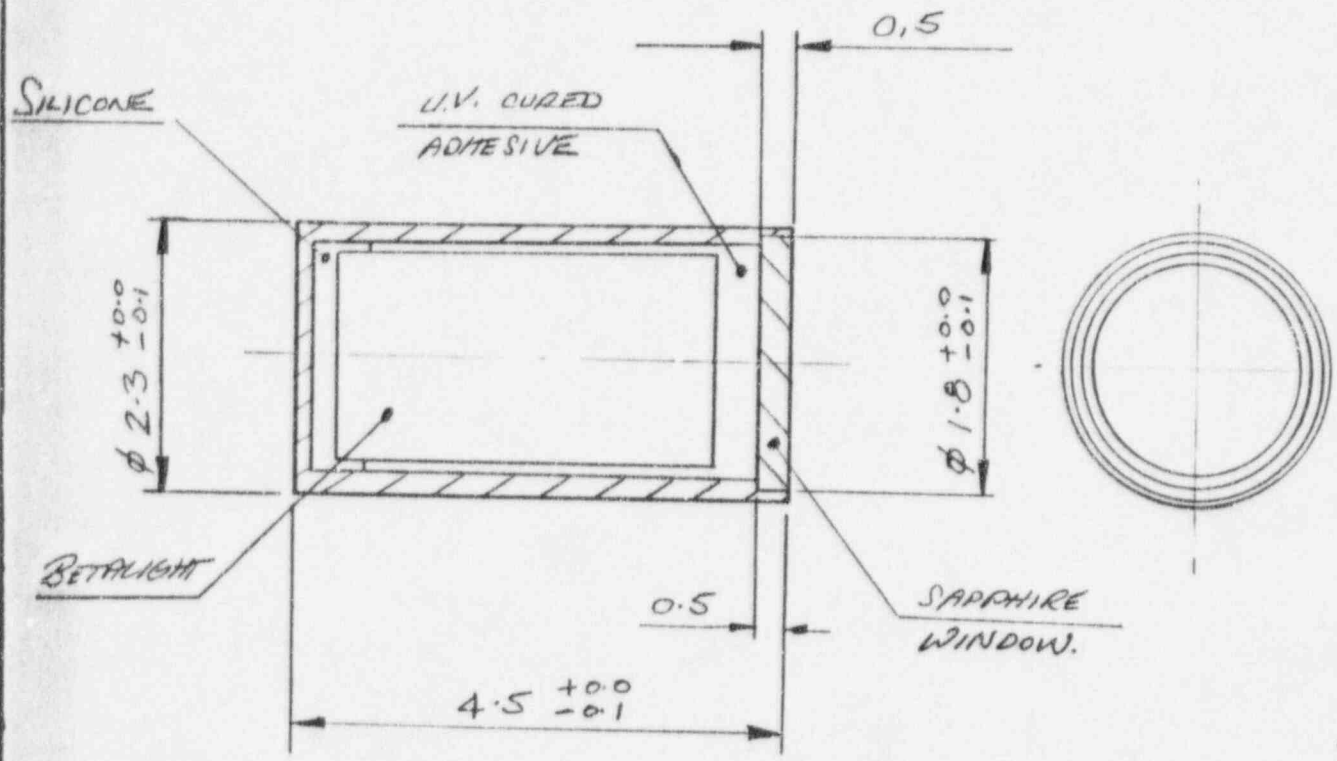
SECURITY CLASSIFICATION

3RD ANGLE PROJECTION

USED ON

DRAWING TO BE READ IN CONJUNCTION WITH BS 308

IF IN DOUBT·ASK



REMOVE ALL SHARP EDGES 0.5 RAD MAX.

APPROVED	TOLERANCES UNLESS OTHERWISE STATED DIM. ·XX ± ·10 DIM. ·X ± ·3 DIM. X· ± AND OVER	MATERIAL					
DATE							
CHECKED	DIMS IN mm	PROTECTIVE FINISH					
	SCALE N.T.S.		A	7/22/96	—	B.P
DATE	SURF. TEXT.		ISS.	DATE	CH. NOTE NO	SIGNED
	SRB TECHNOLOGIES, INC.		SECURITY CLASS			
DRAWN B.P.	RESP. AUTH.		DRG. No. TL-1016			SHEET 1 OF 1
DATE 7/22/96	TITLE Plastic Light Insert		SERVICE DRG. No.			A 4

LONTEC REPRO 127189/320

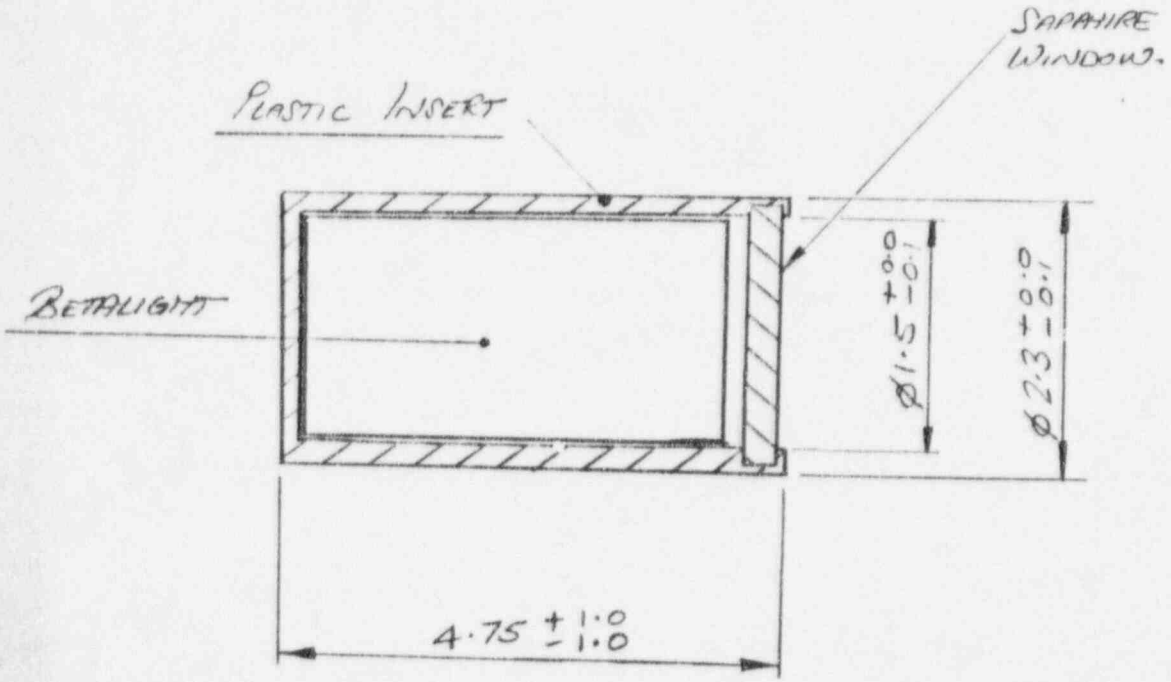
SECURITY CLASSIFICATION

3RD ANGLE PROJECTION

USED ON

DRAWING TO BE READ IN CONJUNCTION WITH BS 308

IF IN DOUBT-ASK



REMOVE ALL SHARP EDGES 0.5 RAD MAX.

APPROVED	TOLERANCES UNLESS OTHERWISE STATED DIM. ·XX ± ·10 DIM. ·X ± ·3 DIM. X· ± AND OVER	MATERIAL					
DATE							
CHECKED	DIMS IN mm	PROTECTIVE FINISH					
	SCALE N.T.S.		A	7/22/96	–	B P	
	SURF. TEXT.		ISS.	DATE	CH. NOTE NO.	SIGNED	
DATE	SRB TECHNOLOGIES, INC.		SECURITY CLASS				
DRAWN B.P	RESP. AUTH.		DRG. No. TL-1017			SHEET 1 OF 1	
DATE 7/22/96	TITLE Moulded Plastic Light Insert		SERVICE DRG. No.			A 4	

LONTEC REPRO 127189/320

R1201021 LICENSING TRACKING SYSTEM DATE: 960802
PAGE: 1

LTS WORKSHEET

TWR-
pls assign
SWH

DOCKET NO : 03033705 LICENSE NO : 32-23774-02E STATUS: 0

MAIL CONTROL: 021864 RECEIPT DATE : 960731 ACTION TYPE: 4
DUE DATE : 961029

FED. GOVT : C 960827

INST. CODE : 23774 LICENSE REGION: 0

ISSUE DATE: ~~951115~~ ORIGINAL DATE: 951115 EXPIRATION DATE: 20001130

NAME : SRB TECHNOLOGIES, INC. DECOM FIN ASSUR REQD: N
SUBM: _

DEPT/BUREAU: _____ CONT PLAN REQD: N APPRV: _

BUILDING : _____

STREET : 2580 LANDMARK DRIVE

CITY : WINSTON-SALEM STATE: NC ZIP: 27103

CONTACT PERSON: BRIAN G. PULLEN PHONE: 910-659-2610

PRIMARY PGM CODE : 03254 SECONDARY PGM CODES: _____

INSPECTION REGION: 2 PRIORITY CODE: 5 INSPECTION CATEGORY: E

RADIATION SAFETY OFFICER: _____

STATES WHERE USE IS AUTHORIZED: 1
0 - ALL LISTED STATES
1 - SAME AS STATE IN ADDRESS
2 - ALL STATES
3 - NON-AGREEMENT STATES

AUTHORIZED STATES: _____ (USE ONLY IF ABOVE IS ZERO)

REPORTING IDENTIFICATION SYMBOL: _____

APPROVAL FOR: REDISTRIBUTION: N STORAGE ONLY: N
TEMPORARY JOB SITES: N INCINERATION: N
BURIAL: N

EXEMPTIONS: (1)_____ (2)_____

MATERIAL TYPE : NPA FORM CODE: NPA AGGREGATE CODE: NPA
MODEL NUMBER : ____________________
DESCRIPTION : ____________________
TOTAL QUANTITY : 0000000.000000000 UNIT: ___
OTHER : _ # SOURCES: ___

MATERIAL TYPE : __________ FORM CODE: ___ AGGREGATE CODE: ___
MODEL NUMBER : ____________________
DESCRIPTION : ____________________
TOTAL QUANTITY : ________________ UNIT: ___
OTHER : _ # SOURCES: ___

MATERIAL TYPE : __________ FORM CODE: ___ AGGREGATE CODE: ___
MODEL NUMBER : ____________________
DESCRIPTION : ____________________
TOTAL QUANTITY : ________________ UNIT: ___
OTHER : _ # SOURCES: ___

MATERIAL TYPE : __________ FORM CODE: ___ AGGREGATE CODE: ___
MODEL NUMBER : ____________________
DESCRIPTION : ____________________
TOTAL QUANTITY : ________________ UNIT: ___
OTHER : _ # SOURCES: ___

MATERIAL TYPE : __________ FORM CODE: ___ AGGREGATE CODE: ___
MODEL NUMBER : ____________________
DESCRIPTION : ____________________
TOTAL QUANTITY : ________________ UNIT: ___
OTHER : _ # SOURCES: ___

MATERIAL TYPE : __________ FORM CODE: ___ AGGREGATE CODE: ___
MODEL NUMBER : ____________________
DESCRIPTION : ____________________
TOTAL QUANTITY : ________________ UNIT: ___
OTHER : _ # SOURCES: ___

MATERIAL TYPE : __________ FORM CODE: ___ AGGREGATE CODE: ___
MODEL NUMBER : ____________________
DESCRIPTION : ____________________
TOTAL QUANTITY : ________________ UNIT: ___
OTHER : _ # SOURCES: ___

NAME	AUTHORIZATION

ADDRESS WHERE MATERIAL IS USED OR POSSESSED

BUILDING:
ROOM:
STREET:
CITY:
STATE:

BUILDING:
ROOM:
STREET:
CITY:
STATE:

BUILDING:
ROOM:
STREET:
CITY:
STATE:

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BUILDING:
ROOM:
STREET:
CITY:
STATE:

DOCKET: 03033705 LIC: 32-23774-02E NAME: SRB TECHNOLOGIES, INC.

```
PARTY ISSUING MECHANISM:                         ASSUR TYPE : _  (C=CERT D=DFP)
NAME  : ______________________________           MECH TYPE  : __
ADDR1 : ______________________________           MECH AMOUNT: _________
ADDR2 : ______________________________           APPROVED? _  DATE: ______
CITY  : __________________                       EXPIRES ? _  DATE: ______
STATE : __    ZIP: _________
-------------------------------------------------------------------------------
PARTY ISSUING MECHANISM:                         ASSUR TYPE : _  (C=CERT D=DFP)
NAME  : ______________________________           MECH TYPE  : __
ADDR1 : ______________________________           MECH AMOUNT: _________
ADDR2 : ______________________________           APPROVED? _  DATE: ______
CITY  : __________________                       EXPIRES ? _  DATE: ______
STATE : __    ZIP: _________
-------------------------------------------------------------------------------
PARTY ISSUING MECHANISM:                         ASSUR TYPE : _  (C=CERT D=DFP)
NAME  : ______________________________           MECH TYPE  : __
ADDR1 : ______________________________           MECH AMOUNT: _________
ADDR2 : ______________________________           APPROVED? _  DATE: ______
CITY  : __________________                       EXPIRES ? _  DATE: ______
STATE : __    ZIP: _________
-------------------------------------------------------------------------------
PARTY ISSUING MECHANISM:                         ASSUR TYPE : _  (C=CERT D=DFP)
NAME  : ______________________________           MECH TYPE  : __
ADDR1 : ______________________________           MECH AMOUNT: _________
ADDR2 : ______________________________           APPROVED? _  DATE: ______
CITY  : __________________                       EXPIRES ? _  DATE: ______
STATE : __    ZIP: _________
-------------------------------------------------------------------------------
PARTY ISSUING MECHANISM:                         ASSUR TYPE : _  (C=CERT D=DFP)
NAME  : ______________________________           MECH TYPE  : __
ADDR1 : ______________________________           MECH AMOUNT: _________
ADDR2 : ______________________________           APPROVED? _  DATE: ______
CITY  : __________________                       EXPIRES ? _  DATE: ______
STATE : __    ZIP: _________
-------------------------------------------------------------------------------
PARTY ISSUING MECHANISM:                         ASSUR TYPE : _  (C=CERT D=DFP)
NAME  : ______________________________           MECH TYPE  : __
ADDR1 : ______________________________           MECH AMOUNT: _________
ADDR2 : ______________________________           APPROVED? _  DATE: ______
CITY  : __________________                       EXPIRES ? _  DATE: ______
STATE : __    ZIP: _________
-------------------------------------------------------------------------------
PARTY ISSUING MECHANISM:                         ASSUR TYPE : _  (C=CERT D=DFP)
NAME  : ______________________________           MECH TYPE  : __
ADDR1 : ______________________________           MECH AMOUNT: _________
ADDR2 : ______________________________           APPROVED? _  DATE: ______
CITY  : __________________                       EXPIRES ? _  DATE: ______
STATE : __    ZIP: _________
-------------------------------------------------------------------------------
```

DOCKET NO: 03033705 LICENSE NUMBER: 32-23774-02E
NAME : SRB TECHNOLOGIES, INC.

MEDICAL QUALITY MANAGEMENT PROGRAM REQUIRED: N RECEIVED: _ APPROVED: _

DECOMMISSIONING FINANCIAL ASSURANCE REQUIRED: N SUBMITTED: _

CONTINGENCY PLAN REQUIRED: N APPROVED: _

DECAY-IN-STORAGE APPROVED: N HOLDING FOR < 10 HALF-LIVES APPROVED: _

T 1/2 > 65 DAYS, ISOTOPE(S): _____ _____ _____
_____ _____ _____

INTERIM STORAGE UP TO 1996: N

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

(FOR LFMS USE)
INFORMATION FROM LTS

Program Code: 03254
Status Code: 0
Fee Category: 3H
Exp. Date: 20001130
Fee Comments:
Decom Fin Assur Reqd: N

LICENSE FEE TRANSMITTAL

A. REGION O

1. APPLICATION ATTACHED
   Applicant/Licensee: SRB TECHNOLOGIES, INC.
   Received Date: 960731
   Docket No: 3033705
   Control No.: 021864
   License No.: 32-23774-02E
   Action Type: Amendment

2. FEE ATTACHED
   Amount: /
   Check No.: /

3. COMMENTS

Signed C Boyle
Date 8/2/96

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / ✓)

1. Fee Category and Amount: 3H $1,000

2. Correct Fee Paid. Application may be processed for:
   Amendment ✓
   Renewal
   License

3. OTHER

Signed SL
Date 8/14/96

Log Aug. 1 #P5
Remitter
Check No. 15071
Amount $1,000
Fee Category 3H
Type of AMD
Date Check Rec'd.
Date Completed 8/14/96
By: SL

Per A. Baggett, no safety review req. (Admin change).

(Dempsel Jm577 910-768-7720)