

# Appendix B: Sample Shipping Procedures for Halon 1301

provided by Control Fire Systems

## 1. PREPARATION

Have a clear understanding of the cylinder head assembly. Consult your fire service company, or Transport Canada office for assistance if necessary.

Each cylinder must be labeled with a "Class 2" green, hazard label with the PIN # UN 1009 clearly print on it. These labels Must also be affixed to the outside of each cylinder or crate, along with Material Safety Data Sheets.

## 2. SHIPPING

When preparing the cylinders for shipping, all units must be secured with metal stropping onto hardwood skids. Discharge port must be capped, manual activator removed, and explosive detonators disposed of. This will prevent any Injuries resulting from accidental discharges.

## 3. TRANSPORTATION

CP Express is our exclusive halon carrier, however, clients my use their preferred company. Orders shipped are to be marked prepaid, unless otherwise agreed upon by C.F.S.. Control Fire Systems shall not be responsible as to condition of goods, or the loss of any gases enroute. It is the responsibility of the shipper to acquire necessary insurance coverage on their shipments.

Bills of Lading are prepared indicating the following:

- Total number of cylinders.
- Total shipment weight overall.
- The type of agent being sent, i.e.  
UN 1009 1301 Halon Bromotrifluoromethane.
- This gas is non-flammable.
- The Dangerous Goods Class of 2.2.
- The emergency telephone number 1-800-363-1301.


## 4. CYLINDER DISPOSAL

All halon cylinder which have been depleted of halon shall be scrapped, and the metal recycled, unless otherwise advised by the client in writing.

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NOTES:  
 "PATENT PENDING"

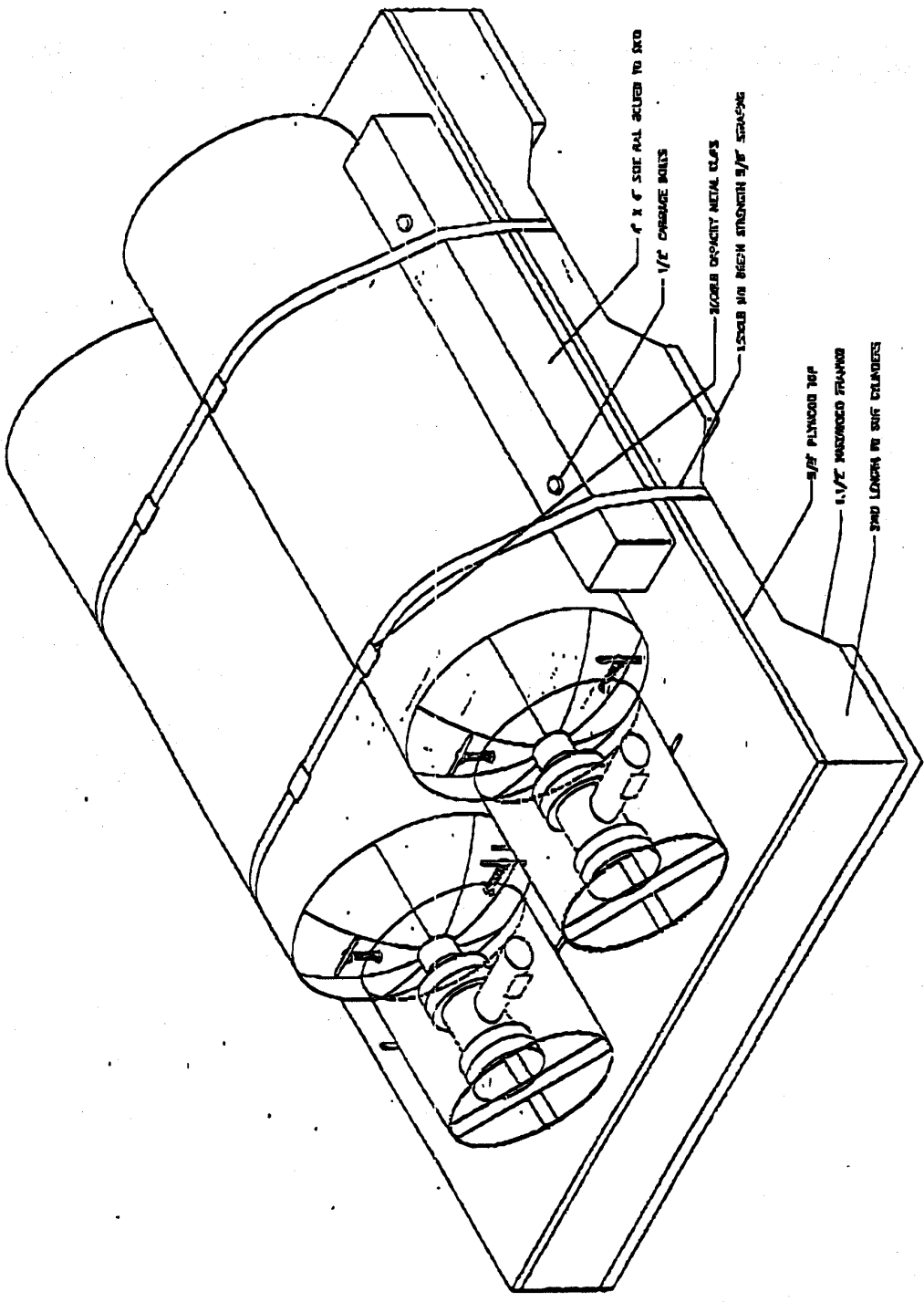
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**CONTROL FIRE SYSTEMS**  
 20 201 JONES RD. BIRMINGHAM, ALA.  
 PRODUCT #

NAME :  
**SKIDDING METHOD "HORIZONTAL"**

DATE : JAN 3 1965  
 DRAWN BY : WIT  
 CHECKED BY : J. B. SMITH  
 PROJECT # :


DRAWING NO. :  
**FC1050-3**  
 SHEET 1



NO.	REV.	DESCRIPTION
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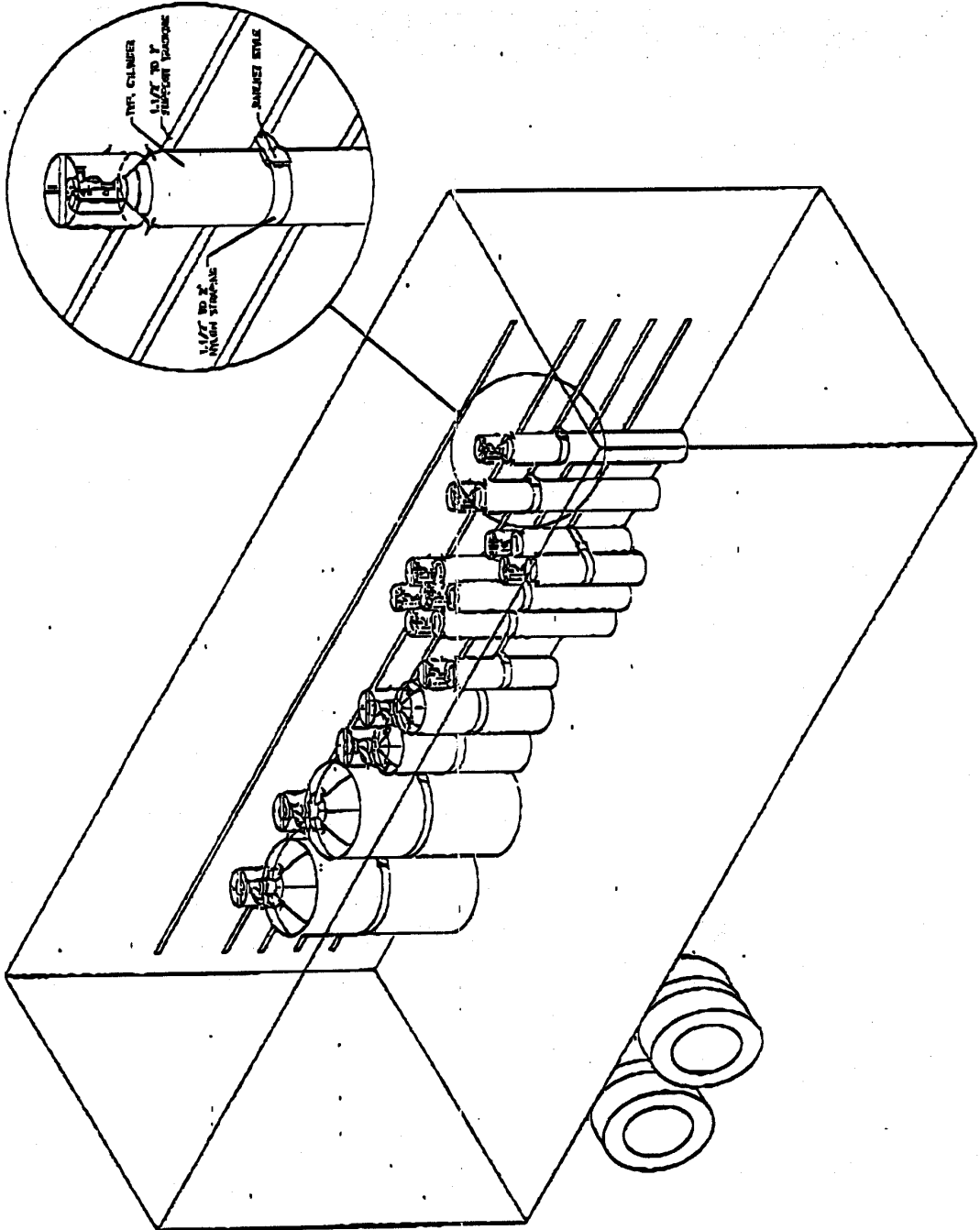
NOTES:

LEGEND :


  
**CONTROL FIRE SYSTEMS**

6000 S. 10th St. Phoenix, Ariz. 85042

DRAWING NO. **CARRIER CYLINDER SECURING METHOD "VERTICAL"**  
 SCALE: 1" = 6"  
 DATE: 11/15/68  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]  
 PROJECT NO. [Number]  
 SHEET NO. **1** OF **1**







# CONTROL FIRE SYSTEMS LTD.

## Transportation And Preparation of Halon Cylinders

**CONTROL FIRE SYSTEMS LTD.  
63 ADVANCE: RE., BLDG. "A"  
TORONTO, ONTARIO M8Z 2S6  
TELEPHONE: (416)236-2371  
FACSIMILE: (416)233-6814**

Shipper(Name): Address:	Bill of Landing NO: Transit No.:
Consignee(Name) Address:	Carrier(Name): Carrier Tel. No.:
<u>Transport Details</u>  This shipment is strictly within the limitations prescribed for:  LAND    O    SEA    O    AIR    O    RAIL O  <hr style="width: 50%; margin-left: 0;"/> HALON 1301    O    HALON 1211    O    OTHER O UN1009                      UN1974                      (LIST)	<u>CAUTION</u>  This shipment contains an ozone depleting substance. Exercise extreme care in handling, to prevent release.
	YES                      N/A
A. Cylinders pressurized with Halon 1211, shall have the safety pin tie wrapped, and properly secured, with the cylinders packaged in the fiber board box , or prepared crates. B. Halon 1301 cylinders shall be transported with originally approved safety devices, such as discharge port cap, complete with pre-drilled vent holes, with all actuators removed and equipped with threaded actuator prevention plugs. C. Material Safety Data sheets, Dangerous Goods Placards 2.2 , and UN Classification Numbers shall be attached to each cylinder, and shall be in accordance with The Transportation of Dangerous Goods Regulations, Part V. D. The halon 1301 cylinders shall be placed on wooden	

skids, with wooden side support rails, and secured with strapping Halon 1301 cylinders strapped in the horizontal position shall not overhang, or extend beyond the perimeter of the skid.

- E. Halon 1301 cylinders, transported in a vertical position, shall be secured to the side rails, on or in a truck, which is designed for this method.
- F. One completed and signed copy of this Transportation and Preparation of Halon Cylinders Document shall accompany each shipment.

Additional Handling Information and Special Instructions:

CHEMICAL EMERGENCY NO. (24 HR.)  
Canutec (613) 996-6666

I, hereby declare, and undersign, as the shipper, that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled.

Name.Title of Shipper:

\_\_\_\_\_

Place and date:

\_\_\_\_\_

X \_\_\_\_\_  
Signature (Print)

x \_\_\_\_\_  
Signature  
(Print)