



Technical Standards and Safety Authority
www.tssa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario M8X 2X4
Fax: 416.231.4903
Customer Service: 1.877.682.8772

Level 1 Risk and Safety Management Plan (RSMP)
Technical Standards and Safety Act
Propane Storage and Handling Regulation

This Level 1 RSMP applies to:
 • a facility with a total propane storage capacity of 5,000 USWG or less; or
 • a facility with a fixed propane storage capacity of exactly 5,000 USWG and no more than 500 USWG of portable propane storage capacity on site.

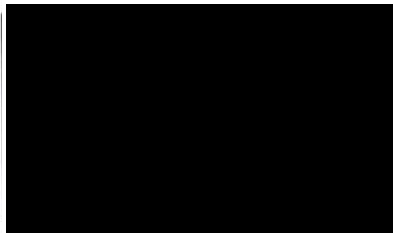
Failure to fully complete this form may result in rejection.
Making a false statement may result in a fine or prosecution under the *Technical Standards and Safety Act*

Licence Number: New

Check applicable type of propane operations.

Cylinder Motor Fill Filling Plant Card/Keylock

Submit along with this completed application a Facility Site Plan and a Map of the Surrounding Area.



SECTION A: GENERAL INFORMATION

The Undersigned applies to TSSA for a review for an RSMP under Ontario's *Technical Standards and Safety Act*, Propane Storage and Handling Regulation.

A Company Name: Canadian General-Tower Limited Ontario Corporation No., if applicable: 434192
 Operator Name (if different from above):
 Telephone No.: 519 623 1630 Fax No.: 519 623 7018 E-mail: no general e-mail account

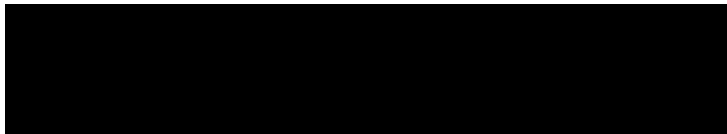
B Street No.: 52 Street Name / 911 Number / Address, if applicable: Middleton Street
 Town / City or Township / County: Cambridge Province: Ontario Postal Code: N1R 5T6

C Mailing address if different from above.
 Street No.: Street Name / 911 Number / Address, if applicable:
 Town / City or Township / County: Province: Postal Code:

D Information on Container Refill Centre or Filling Plant
 Location of facility:
 Street No.: 52 Street Name / 911 Number / Address, if applicable: Middleton Street Nearest Major Intersection: Cedar and Grand Avenue South
 Town / City or Township / County: Cambridge Province: Ontario Postal Code: N1R 5T6

Name of Licence Holder: Canadian General-Tower Limited
 Name of a Senior Management person as defined in the regulation holding the Record of Training (ROT): Mr. Robert Abell P. Eng. Director Of Engineering ROT type: 100-8 Cylinder filling license
 Municipality (or municipalities if the facility or its hazard distance touches multiple borders): Cambridge

Hours of operation:



This document is valid until the next licence renewal date. You are required by law to notify TSSA of any change of information.

Declaration: I am aware that it is an offence to give false information in this document and I hereby declare that the information I have given here is true and complete.

Print name	Signature	Date (dd-mm-yyyy)
Name of Licence Holder: Robert Abell		10-01-2013
Name of Senior Management person as defined in the Regulation holding the Record of Training: Robert Abell		



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SECTION A: GENERAL INFORMATION (cont'd)

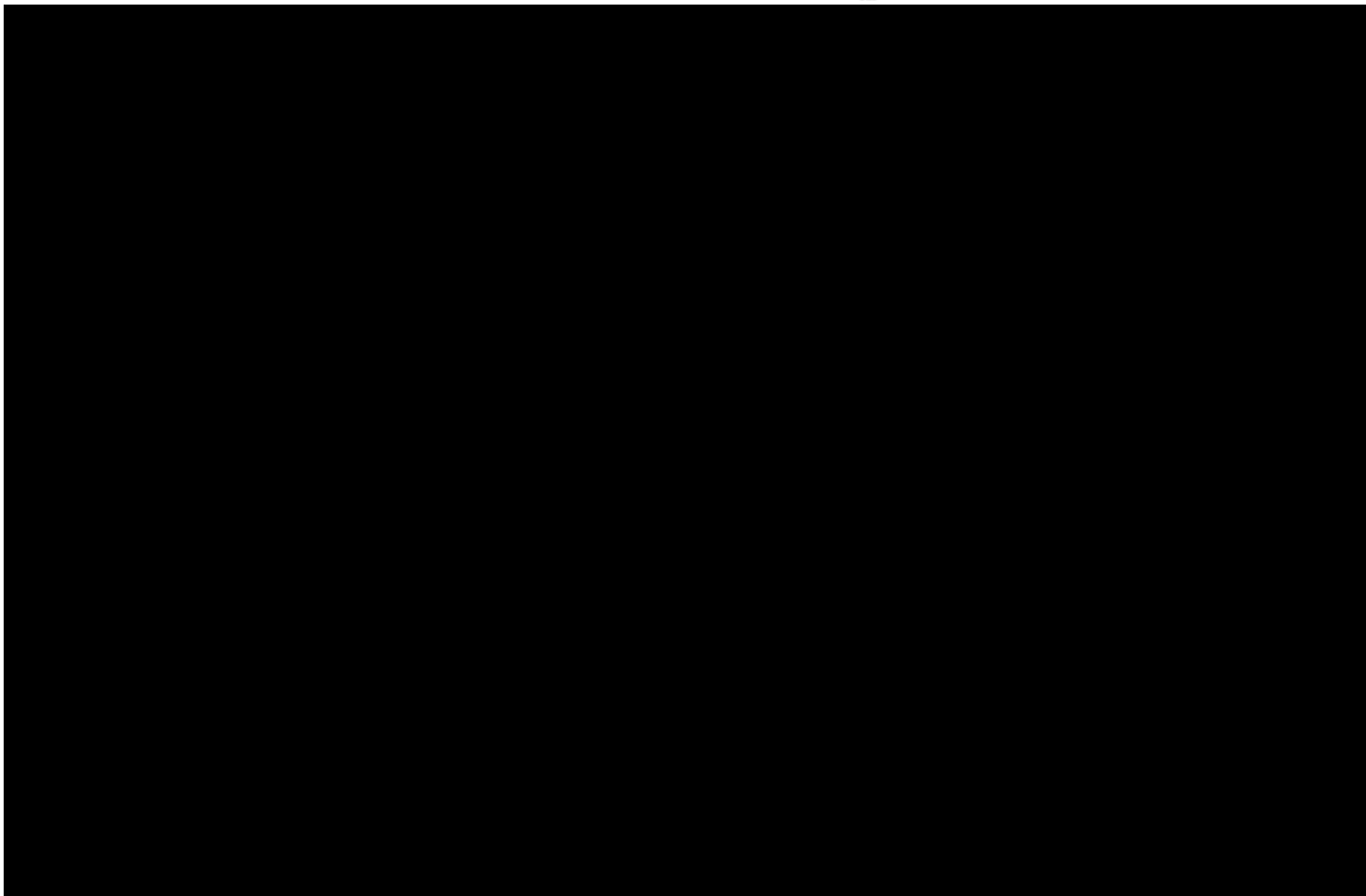
Indicate the year the facility was established. 1930
Indicate the year of any significant modifications, as defined in s.1, O.Reg 211/01, since establishment. propane tank built 1978

Identify the psig rating and serial number for each fixed propane storage tank on site.

	PSIG	Serial Number
Tank1:	250	1D78-58
Tank2:	_____	_____
Tank3:	_____	_____

Enter capacity of propane in USWG, fixed, portable, and mobile, and provide detailed inventory that includes the number of tank/vessel for each type (fixed, portable, and mobile) and the capacity of each tank/vessel, on a separate document.

Fixed: 1000 Portable: 40 cyl X 9.62 = 384.8 WG Mobile: _____



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Name of person completing this form (please print) Ronald Rigby	Official Title Facilities Engineer
Signature <i>Ron Rigby</i>	Telephone No. 519 623 1633 (ext 3325)
	Date (dd-mm-yyyy)



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SECTION A: GENERAL INFORMATION (cont'd)

Activity Information

Name of Propane Supplier(s)		[Redacted]	
Primemax Energy Inc.			
Street No.	Street Name / 911 Number / Address, if applicable		
2558	Cedar Creek Road		
Town / City or Township / Country		Province	Postal Code
Ayr		Ontario	N0B 1E0
Telephone No.	Fax No.	Contact Name	
519 740 8209	519 740 1015	Gary Froese	
E-mail			
gfroese@primemaxenergy.com			

Name of Propane Transporter. If same as above, please check box. <input checked="" type="checkbox"/>		For Office Use - Party No.	
Street No.	Street Name / 911 Number / Address, if applicable		
Town / City or Township / Country		Province	Postal Code
Telephone No.	Fax No.	Contact Name	
E-mail			

Off-site Cylinder and/or Mobile Storage		Capacity stored off-site, in USWG	For Office Use - Party No.
NONE			
Street No.	Street Name / 911 Number / Address, if applicable		
Town / City or Township / Country		Province	Postal Code
Telephone No.	Fax No.	Contact Name	

Note: Customer storage is not considered off-site storage.

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Ronald Rigby		Facilities Engineer	
Signature		Telephone No.	Date (dd-mm-yyyy)
		519 623 1633 (ext 3325)	



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SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN

The licence holder will complete Section B in consultation with the local Fire Services.

Description of the maximum volume, types and storage location of other hazardous materials on site, if any.

5 storage tanks (3 outside and 2 inside) of solvents, primarily methyl-ethyl ketone (MEK), with total capacity of 45 m³ in the north east corner

200 drums of solvents, primarily methyl-ethyl ketone (MEK) based, in the north east corner of the facility

9 storage tanks of plasticizers, each with a capacity of 10,000 gallon, at the south end of the facility

Description of fire and emergency equipment indicated on facility site map.

Sprinkler coverage for main building. No sprinklers on outside storage tanks at both north end and south end of facility.

CO2 fire suppression at the 6 printers, solvent mixing station, Plastisol and Drylam production lines.

Halon protection for main computer room.

Fire extinguishers throughout plant.

List of fire protection controls (e.g., fire detection systems, fire notification systems, alarm systems, automatic shut off devices, fusible links, etc.) and describe their function, use and operation.

Propane system has fusible leak to stop flow in case local fire. No other automated shut off devices. Manual shutoff at both the tank and filling station.

Fire notification and alarm system provided by fire alarm panel (Edwards) to 24/7 monitoring company (FMC).

Automatic shutoff of solvent pumping (MEK) with fire in Printers or Mixing area of the plant.

Fusible links on all fire doors. Fire detection provided through flow sensors on sprinklers as well as strategically placed smoke and heat detectors.

Maintenance and testing schedule for fire protection controls and devices.


Propane emergency shut off valve fire link tested yearly. Hose inspected daily.

Propane maintenance performed immediately when required. Propane system inspected annually.

CO2 systems tested annually. Fire doors inspected monthly and tested annually.

Fire hydrants tested annually. Sprinkler riser valves inspected monthly and tested yearly.

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SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)

1. Contacts for Emergency Response

1. Facility Contact Personnel - Key Contact		5. Facility 24-Hour Contact Person	
Name Bob Abell	For Office Use - Party No.	Name Ron Rigby	For Office Use - Party No.
Official Title Director of Engineering		Official Title Facilities Engineer	
Telephone No. 519 623 1633 (ext 3290)	Fax No. 519 623 7018	Cell No. 519 496 8931	Fax No. 519 623 7018
E-mail bob.abell@cgtower.com		E-mail ron.rigby@cgtower.com	
Role and responsibilities in emergency Incident Investigation		Role and responsibilities in emergency Incident Investigation	
2. Facility Contact Personnel - Alternate Contact		6. Name of Facility Manager	
Name Brian Franks	For Office Use - Party No.	Name Dave Yost	For Office Use - Party No.
Official Title Maintenance Manager		Official Title Senior Director, Operations	
Telephone No. 519 623 1633 (ext 3251)	Fax No. 519 623 7018	Telephone No. 519 623 1633 (ext 3398)	Fax No. 519 623 7018
E-mail brian.franks@gctower.com		E-mail dave.yost@cgtower.com	
Role and responsibilities in emergency Incident Investigation		Role and responsibilities in emergency Incident Commander	
3. Local Fire Services - Key Contact		7. Propane Supplier Key Contact Person	
Name Bill Chesney	For Office Use - Party No.	Name Gary Froese	For Office Use - Party No.
Official Title Fire Chief	E-mail chesneyb@cambridge.ca	Official Title Sales Manager	E-mail gfroese@primemaxenergy.com
Telephone No. 519 621 6001	Fax No. 519 621 4521	Telephone No. 519 740 8209	Fax No. 519 740 1015
Role and responsibilities in emergency Community Emergency Management Coordinator (CEMC)		Role and responsibilities in emergency Assist as required	
Fire Services Address 1625 Bishop Street North, Cambridge, ON N1R 7J4		Propane Supplier Address 2558 Cedar Creek Road, Ayr, ON, N0B 1E0	
4. Local Fire Services - Alternate Contact		8. Municipal Contact	
Name Jon Rehill	For Office Use - Party No.	Name Alex Mitchell	
Official Title Deputy Fire Chief	E-mail rehillj@cambridge.ca	Official Title City Clerk	
Telephone No. 519 621 6001	Fax No. 519 621 4521	Telephone No. 519 740 4680 (ext 4585)	Fax No.
Role and responsibilities in emergency Assistant Community Emergency Management Coordinator (CEMC)		E-mail mitchella@cambridge.ca	
Fire Services Address 1625 Bishop Street North, Cambridge, ON N1R 7J4		Municipality Name and Address City of Cambridge, 50 Dickson Street, Cambridge, ON, N1R 5W8	

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	Date (dd-mm-yyyy)



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2. Additional Safety Measures

Describe any other measures in place at the facility that exceed the minimum Code and Standards requirements.

2 Scott air packs available with spare air tanks.

6 private fire hydrants

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SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)

3. Record of Emergency Training Provided - For most recent 12-month period.

Training on Emergency Response Plan and Procedures provided to facility key contacts.

Training Date (dd-mm-yyyy) June 2012	Print Name of Training Provider: Canadian General-Tower (annual emergency response plan)
	Print Name of Instructor: Ron Rigby FOR FACILITY KEY CONTACTS
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

Training on the facility's Emergency Management Procedures provided to staff.

Training Date (dd-mm-yyyy) July 2012	Print Name of Training Provider: Canadian General-Tower (annual emergency response plan)
	Print Name of Instructor: Ron Rigby FOR PLASTISOL SUPERVISORS EW1-00201
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

On-site specific training provided to certificate holders / persons with Records of Training.

Training Date (dd-mm-yyyy) July 2012	Print Name of Training Provider: Fork Truck Training (FTT) (propane cylinder filling P.T.I 100-08)
	Print Name of Instructor: Terry Carleton
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Training Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)

4. Emergency Training Plan for Coming Year

Training on Emergency Response Plan and Procedures provided to facility key contacts.

Target Date (dd-mm-yyyy) June 2013	Print Name of Training Provider: Canadian General-Tower
	Print Name of Instructor: Ron Rigby
Target Date (dd-mm-yyyy)	Print Name of Training Provider: PRIMAX will send CGT an annual letter with site plan reviewed by their drivers
	Print Name of Instructor:
Target Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

Training on the facility's Emergency Management Procedures provided to staff.

Target Date (dd-mm-yyyy) July 2013	Print Name of Training Provider: Canadian General-Tower
	Print Name of Instructor: Ron Rigby
Target Date (dd-mm-yyyy) new staff as required	Print Name of Training Provider: Canadian General-Tower
	Print Name of Instructor: Ron Rigby
Target Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

On-site specific training provided to certificate holders / persons with Records of Training.

Target Date (dd-mm-yyyy) As required per license	Print Name of Training Provider: PROPANE CYLINDER FILLING LICENSES RENEWED EVERY 3 YEARS
	Print Name of Instructor: Terry Carleton
Target Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:
Target Date (dd-mm-yyyy)	Print Name of Training Provider:
	Print Name of Instructor:

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SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)

The licence holder will complete Section B in consultation with the local Fire Services.

5. Emergency Response Communications Plan

Warnings and Actions

Describe who gives warnings to whom, and how and when the warning will be given (including public notification as appropriate).
Manually initiated warnings (i.e. the fire alarm) are given when any employee activates a fire alarm pull station, located at each exit.

All employees are encouraged to activate the fire alarm when they see a fire.

Security Guards confirm that call is placed to 911 upon activation of fire alarm. Post Orders 16.0.

CGT Procedures for Fire and Evacuation EWI-0882 00101 and EWI-0882 00201 describe how the plant is controlled during an emergency.

Describe what action is to be taken and by whom when a warning is issued (including details of a meeting place in a safe identified area and activating the evacuation plan, if necessary).

All employees immediately evacuate the building upon hearing the fire alarm. There are two evacuation areas, one at the north end and one at the west side of the building. The large space near the propane tank allows personnel to evacuate the plant without coming near the tank.

The Control Director goes to the Guard House to take charge of the situation. He will assign CGT personnel to investigate the alarm, assist the Fire Department and make public notifications as appropriate.

Communication with Emergency Response Authorities

Describe when and how the licence holder will give early warning to emergency response authorities (including a process to ensure that a call is placed to 911).

All employees are to notify their supervisor of a potentially dangerous situation. Pull the fire alarm to evacuate the plant and start plant emerg procedures.

All employees, whether supervisory or not, may activate the fire alarm, call for assistance from a higher supervisor or call 911 as they feel it is appropriate.

If the automatic call is not made to the fire department by the alarm system then CGT Security Guards will call the Fire Department directly.

They will also provide the fire department as much information as is known at the time.

Describe provisions for fire department entry when there are no operations or staffing at the propane site.

The site is manned 24/7, 365 days of the year. Entry is gained via the Guard House.

Describe how the licence holder will ensure continual flow of updated information to authorities.

During an emergency the CGT Control Director is in charge of the facility. The Control Director assigns one person to be with the Fire Department. All information goes to the Control Director, he in turn relays the information to the Fire Department.

The Fire Department can also move about the facility aided by the CGT representative assigned to them.

CGT's Health Safety and Environmental System requires that key documents be reviewed annually. Propane system is inspected annually by contractor.

How long will it take the facility liaison person to respond to the site.

All key plant personnel live with 1 hour of the site.

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Ronald Rigby		Facilities Engineer	
Signature		Telephone No.	Date (dd-mm-yyyy)
		519 623 1633 (ext 3325)	



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SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)

The licence holder will complete Section B in consultation with the local Fire Services.

6. Building and Site Security and Procedures

	Yes	No
1. Does the propane location have controlled access to limit unnecessary risk and entry (lock out procedures)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Is there adequate night lighting at the site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Are procedures in place that ensure access routes, aisles, storage area, filling areas and the grounds are kept clear from unwanted materials?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Are there procedures that capture and record the daily inspection of hoses and inspection requirements for filling systems and mechanical devices used in the transfer of propane?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Does the facility have procedures that include a process to isolate and purge any overfilled propane cylinders?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Are weighing systems validated for accuracy?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Are storage areas clearly marked with the vessels' capacity status (i.e., filled, empty, purged and other hazardous materials)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Are quality assurance procedures in place to ensure that all valves are closed after the propane cylinders are filled?(e.g., QCC valves)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Is the schedule of maintenance and testing activities retained on site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

7. Water Supply

The propane licence holder should work with the local fire department to determine water supply capabilities that are available based on the propane facility's location.

	Yes	No
1. Is a pressurized water system available at the propane facility site?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Can the municipal fire department pump 375 GPM (1420 LPM) of water at this location?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. What is the unobstructed distance to the closest water supply that could be used for firefighting activities? (distance in metres only)		<u>83</u>
4. What is the unobstructed distance to the closest approved water supply with year round access if there are no hydrants? (distance in metres only)		<u>Not applicable</u>

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Name of person completing this form (please print) Ronald Rigby	Official Title Facilities Engineer
Signature 	Telephone No. 519 894 6193 (ext 3325) Date (dd-mm-yyyy)



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SECTION B: EMERGENCY AND PREPAREDNESS RESPONSE PLAN (cont'd)

The licence holder will complete Section B in consultation with the local Fire Services.

8. Licence holder and local Fire Services Review

To be completed by the Local Fire Services	Yes	No
Has the local fire service had an opportunity to review the Emergency Response and Preparedness Plan?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
If not, please explain (e.g., no fire services).		
Fire services comments, if any:		
<i>NO COMMENTS</i>		
To be completed by the Licence Holder		
In response to the above comments, the following action(s) is required:		
The licence holder will respond to the Local Fire Services comments by: _____		
(dd-mm-yyyy)		

LOCAL FIRE SERVICES		
The undersigned has reviewed Section B of the Risk and Safety Management Plan Fire Services.		
<i>CAMBRIDGE FIRE DEPARTMENT</i> Local Fire Services Name	Print name <i>BRENT SMITH</i>	Signature <i>[Signature]</i>
		Date (dd-mm-yyyy) <i>20/09/2012</i>

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Signature <i>[Signature]</i>	Telephone No. <i>519 623 1633 (ext 3325)</i>
	Date (dd-mm-yyyy) <i>5/12/2012</i>



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SECTION C: SUBMISSIONS

Applicant must include a Facility Site Plan and Map of Surrounding Area

Facility Site Plan.

The licence holder will submit a copy of the original facility site plan updated with the following information:

1. The storage location of fixed, portable, and mobile vessels.
2. The maximum volume, types and storage location of hazardous materials.
3. Location of permanent structures on site.
4. Access and egress points and location of barriers.
5. Location of fire and emergency equipment (e.g., sprinkler systems, extinguishers, suppression systems) on site and location of fire hydrant or water supply where available.
6. Location of emergency shut off/shut down switches/valves.

Map of Surrounding Area.

The licence holder will submit a scaled aerial map of the surrounding area showing the following information:

7. The capacity and placement of the single largest propane storage vessel, including its setback from the front, rear and side property lines.
8. GPS co-ordinates of the single largest vessel.
9. Visual indication of the single largest fixed vessel and a circle made using the distance in Table 1 as the radius from the single largest fixed vessel.
10. Clear indication of the municipality or municipalities present within the circle.
11. Visual indication of property line information.
12. The location and name of roads within or abutting the site.
13. Key note to the drawing indicating the facility's municipal address, municipal lot number(s) and concession lines as applicable, and the date the map was prepared.
14. Address and contact information for each municipality (municipal clerk or secretary-treasurers of planning board). (Refer to page 5.)
15. Complete "Required Mapping Information from Updated Site Plan" in table below .

Required Mapping Information from Updated Site Plan

Date Map Prepared (dd-mm-yyyy) June 7, 2012	Capacity of single largest propane storage vessel (USWG) 1000
Tank setback coordinates. Indicate placement on the map.	
Front: 300 meters to north	Right side property line: 70 meters to east
Rear: 366 meters to south	Left side property line: 150 meters to west
GPS coordinates of single largest vessel:	43deg 20' 39.55" N 80deg 19' 05.81 W

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SECTION C: SUBMISSIONS (cont'd)

Applicant must include a Facility Site Plan and Map of Surrounding Area

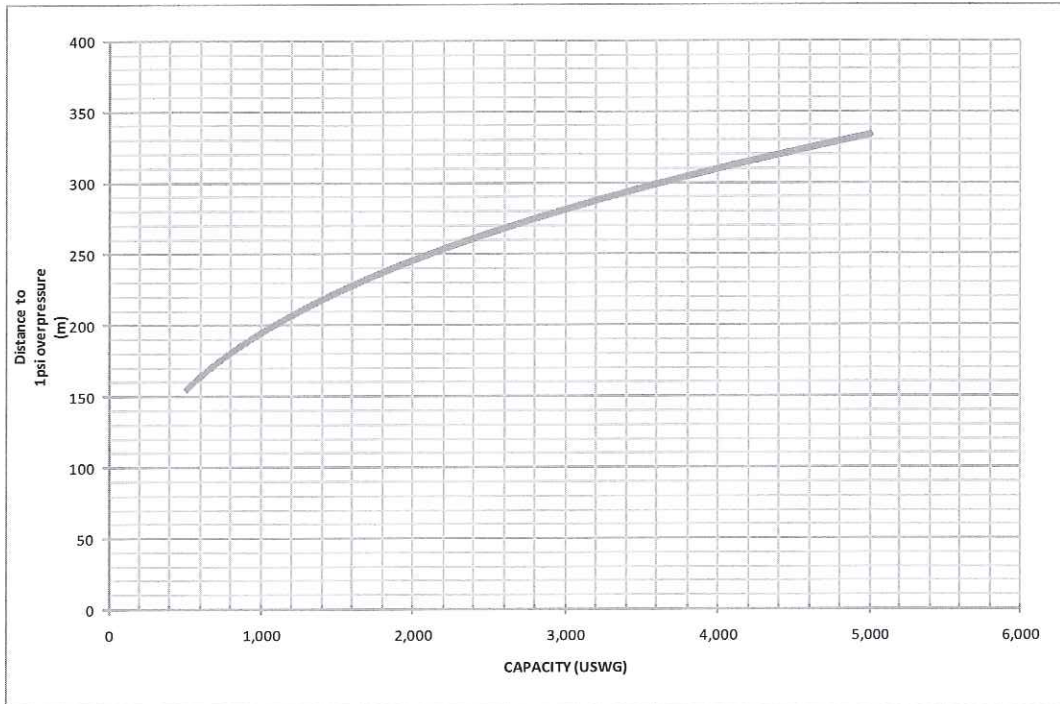
Table 1: Distance Table

Water Capacity (litres)	Nominal Water Capacity (USWG)	Distance to 1 psi overpressure (m)
1,890	500	155
3,780	1,000	195
4,920	1,300	213
6,620	1,750	235
7,130	1,885	241
7,560	2,000	246
18,900	5,000	333

Formula: $D = 16.94 \times (1.524 \times C)^{1/3}$
 D = Distance to overpressure of 1 psi (meters)
 C = Tank Total Capacity in USWG

Parameters: Density of Propane is 0.5033 kg per litre @ 15 C
 Assume all vessels are 80% full
 1 gallon [US, liquid] = 0.003785411784 cubic meter
 1 cubic metre = 264.17 USWG

Hazard Distance Chart (EPA-TNT model)





Technical Standards and Safety Authority
www.tssa.org

14th Floor - Centre Tower
3300 Bloor Street West
Toronto Ontario M8X 2X4
Fax: 416.231.4903
Customer Service: 1.877.682.8772

Level 1 Risk and Safety Management Plan (RSMP)
Technical Standards and Safety Act
Propane Storage and Handling Regulation

SECTION C: SUBMISSIONS (cont'd)

Applicant must include a Facility Site Plan and Map of Surrounding Area

As an accompaniment to the Map of Surrounding Area, provide the following information about buildings and features present within the circle in Table 2.

Table 2: Buildings and Features

Buildings and Features Present within the Circle on the Map of the Surrounding Area AND Name and Address of Closest Building or Feature	* Number of Buildings and Features (mark with an "X")				Distance from Tank to Closest Building or Feature
	0	1	2-10	11+	
Industrial buildings or parks or golf courses Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m
Residential building units specifically permanent single family dwellings, condominiums, and apartments. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m
Commercial building units specifically retail, restaurants, entertainment, theatres, and sporting complexes. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m
Commercial building units – continuous occupancy specifically hotels, campgrounds, and resorts. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m
Sensitive institutions specifically hospitals, schools and day cares, nursing and retirement homes, mental health institutions, and prisons. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m
Emergency responders specifically fire stations, ambulance stations, and police stations. Name: _____ Address: _____ City: _____ Province _____ Postal Code _____	X				_____ m

* For multi-unit buildings, count each unit as "1".

Declaration: I am aware that it is an offence to give false information in this document and I hereby declare that the information I have given here is true and complete.

Name of person completing this form (please print) Ronald Rigby	Official Title Facilities Engineer	
Signature 	Telephone No. 519 623 1633 (ext 325)	Date (dd-mm-yyyy)



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WORKSHEET

Portable Storage Additional Information Worksheet

Cylinder Size	Capacity in USWG	Quantity	Total Volume in USWG
# 420	123.9	NONE	
# 100	29.5	NONE	
# 40	11.75	NONE	
# 33.3	9.62	40	384.8
# 30	8.8	NONE	
# 20	5.8	NONE	
# 10	2.9	NONE	
# 5	1.5	NONE	
Total Cylinder Capacity			

Tanks Stored On-site Not Connected for Use

Tank Size In USWG	Quantity	Total Volume in USWG
NONE		
Total Tank Capacity		

Total Cylinder Capacity	384.8
Total Tank Capacity	1000
Total Portable Capacity (Total Cylinder Capacity + Total Tank Capacity)	1384.8



1000 USWG PROPANE TANK
 LOCATED AT:
 43°20' 39.55" N
 80° 19' 05.81 W

is
 300 METERS TO NORTH PROPERTY
 150 METERS TO WEST PROPERTY
 70 METERS TO EAST PROPERTY
 366 METERS TO SOUTH PROPERTY
 BOUNDARIES.

CANADIAN GENERAL-TOWER LIMITED
 P.O. BOX 160
 52 MIDDLETON STREET
 CAMBRIDGE, ON, N1R 5T6

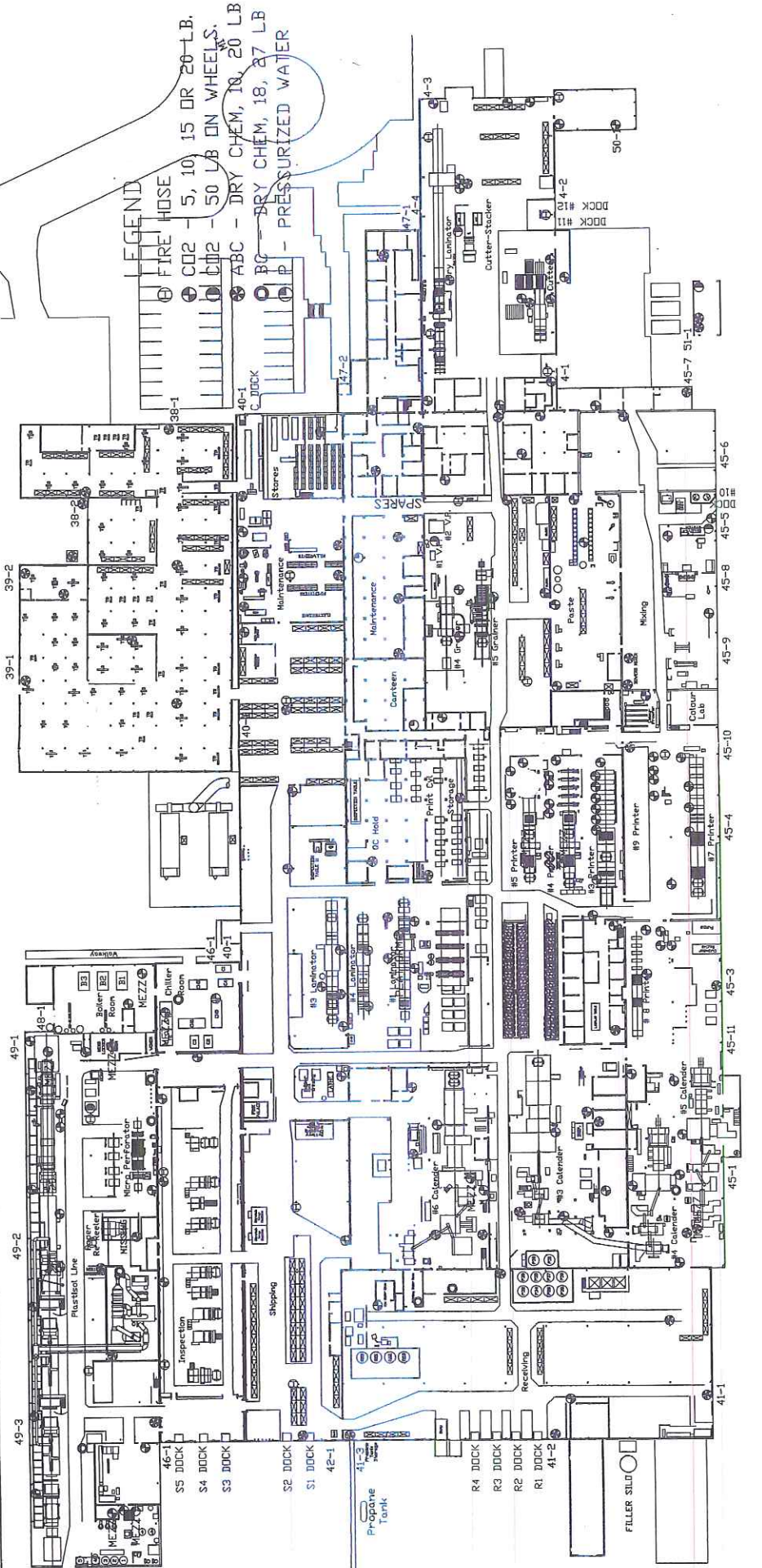
CITY CLERK
 Alex Mitchell
 City Clerk

City of Cambridge
 50 Dickson Street, 2nd Floor
 P.O. Box 669
 Cambridge, ON N1R 5W8

Phone: 519.740.4680 ext. 4585
 Email: mitchella@cambridge.ca


June 7, 2012

CANADIAN GENERAL-TOWER SHOWING 195 METER CIRCLE AROUND PROPANE TANK USING GOOGLE EARTH

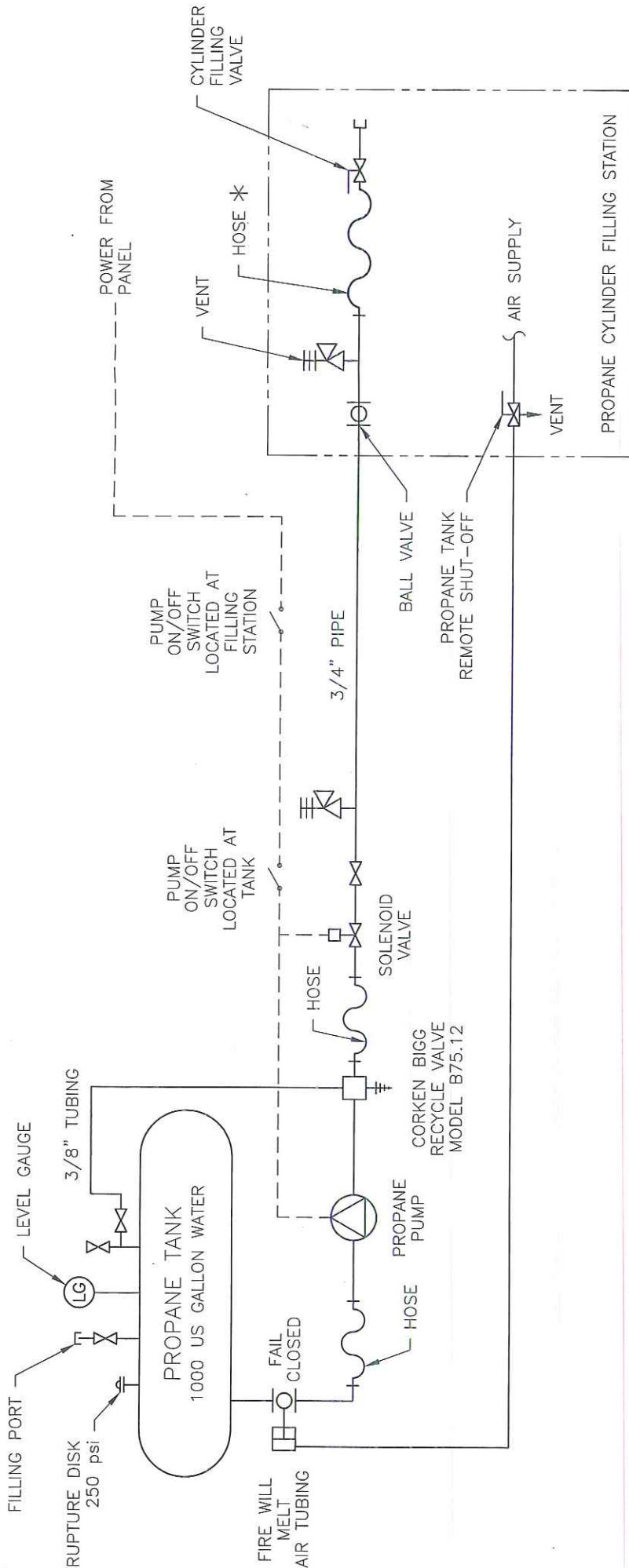


REV. A	DATE	10/9/2008	PLA	UPDATED, CHANGED TO B-SIZE, SHEET 2 ADDED	DESCRIPTION
		BY		T.T. Checked	
		DRAWN BY		T.T.	
		DATE		Mar. 25, 1997	
		SCALE		1" = 75'	
FIRE EXTINGUISHER LOCATION					
MAIN FLOOR					
CAMBRIDGE					
			PAGE	1	REV. A

NOTE: DRAWING HAS ALL LAYERS TURNED OFF EXCEPT:
 900059XBUILDING-NO
 900059XCOLUMNS
 900059XWALLS
 AM_5
 AM_BDR
 FIREEXT


 UNITED INDUSTRIAL PRODUCTS
 RELEASED PER:
 TRADESHOW INC.
 FROM #17024
 JOB #1011
 DATE #2005
 FILES 15 R
 CHECK 15 R
 CHECK 15W645

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REV.	DATE	PLA	DESCRIPTION
A	14/12/2012	BY	FIRE MELT LINK REPLACED WITH AIR OPERATED VALVE
		Drawn By:	PLA
		Date:	12/07/2012
		Checked:	NONE
		Scale:	NONE
<p>PROPANE SCHEMATIC DIAGRAM CANADIAN GENERAL-TOWER CAMBRIDGE, ONTARIO</p>			
			PAGE
			REV.
			1 A

PROPANE TANK MAINTENANCE REQUIREMENTS

MANUFACTURER: ENGINEERED PRODUCTS * DAILY INSPECTION OF CYLINDER FILLING HOSE

CRN: B 2846-657809432

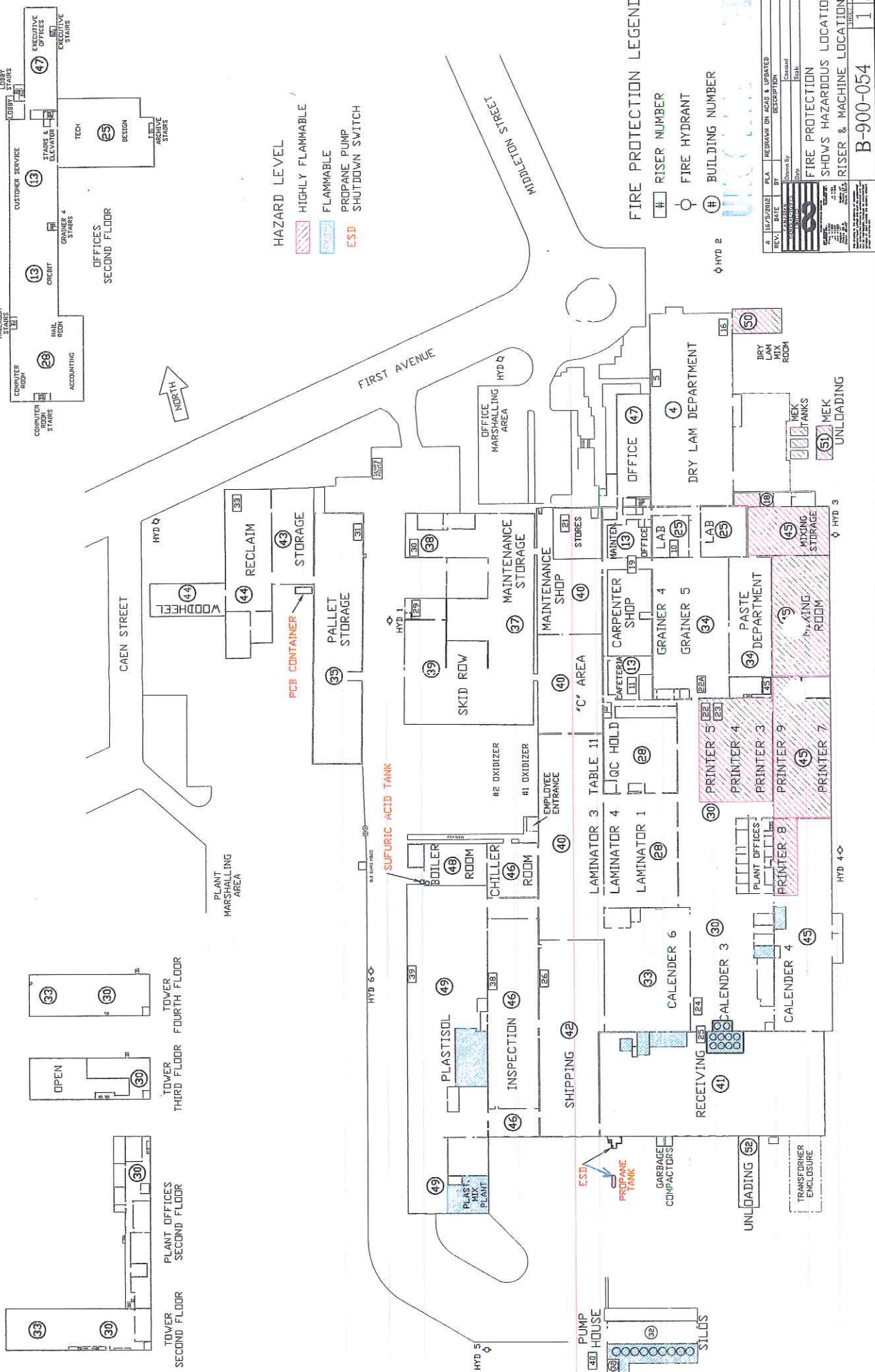
SERIAL: 1D78-58

MAWP: 250 psi @ 120°F

DATE: 28-11-78

MODEL: 1000

This drawing is the property of Canadian General-Tower Limited. It is to be used only for the specific project and no other use without the written consent of Canadian General-Tower Limited. The information herein is provided as a guide only and does not constitute a warranty of performance or workmanship. The user assumes all responsibility for proper installation and use.



HAZARD LEVEL

- HIGHLY FLAMMABLE
- FLAMMABLE
- PROPANE PUMP SHUTDOWN SWITCH
- ESD

FIRE PROTECTION LEGEND

- RISER NUMBER
- FIRE HYDRANT
- BUILDING NUMBER

REV.	DATE	BY	REMARKS
1	10/15/2010
2
3
4
5
6
7
8

FIRE PROTECTION
SHOWS HAZARDOUS LOCATIONS,
RISER & MACHINE LOCATIONS

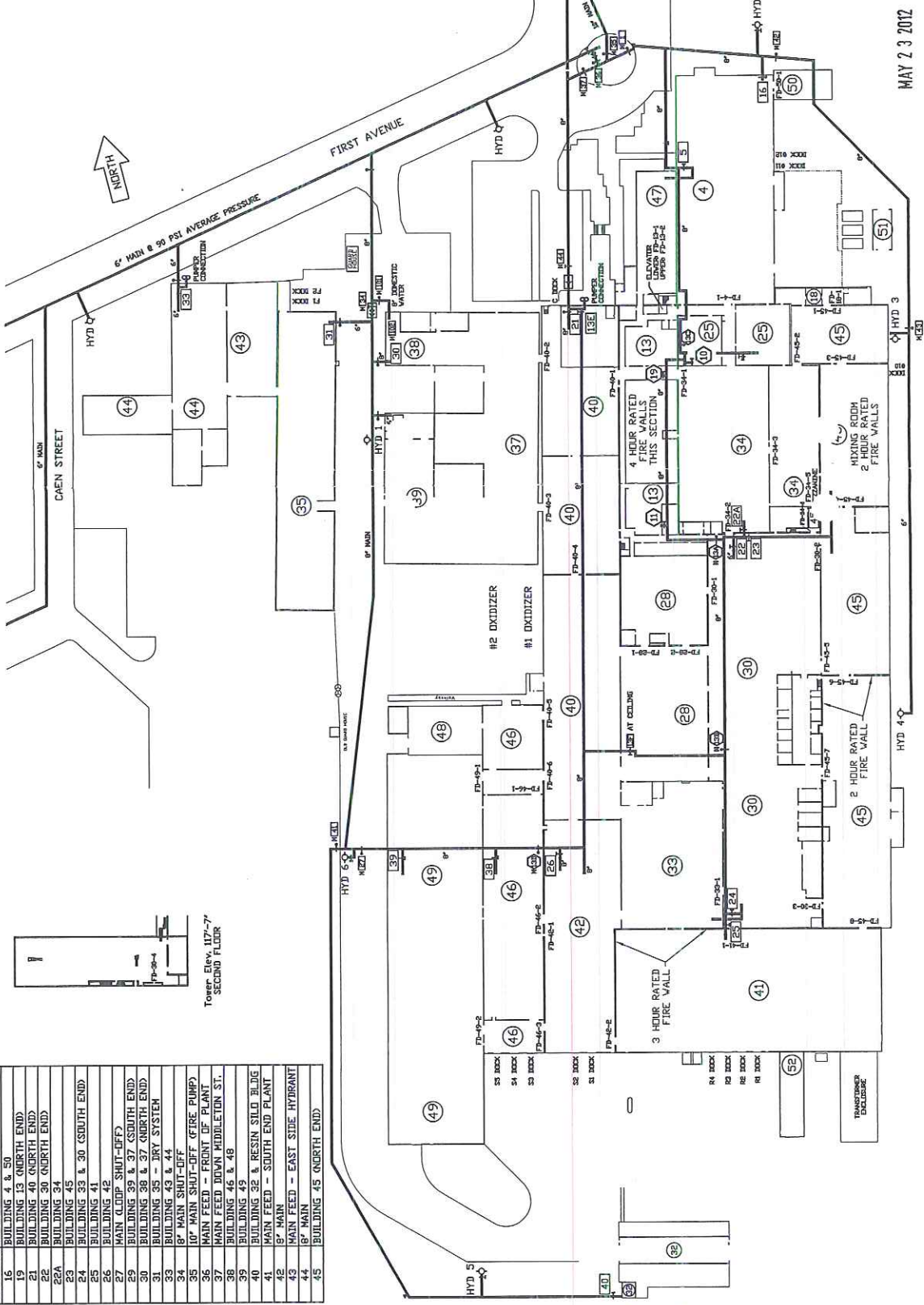
B-900-054 1 A

DOOR	SIZE V x H	MANUFACTURER	SERIAL #
FD-4-1	8'-6" x 8'-5"		
FD-13-1	6'-1" x 6'-11"	DRMSBY	
FD-13-2	6'-1" x 6'-11"	DRMSBY	
FD-18-1	3'-0" x 6'-6"	AMBASSADOR	93674
FD-28-1	8'-7" x 8'-2"		
FD-30-1	8'-7" x 8'-2"		
FD-30-2	8'-6" x 11'-2"		
FD-30-3	5'-5" x 8'-6"		
FD-30-4	3'-0" x 6'-5"		
FD-33-1	8'-7" x 10'-2"		
FD-34-1	8'-6" x 8'-11"		
FD-34-2	8'-6" x 9'-9"		
FD-34-3	8'-6" x 9'-9"		
FD-34-4	7'-2" x 6'-9"		
FD-40-1	8'-6" x 8'-1"		
FD-40-2	8'-6" x 10'-3"	SLIDING DOOR	
FD-40-3	11'-0" x 11'-0"	SLIDING DOOR	
FD-40-4	9'-4" x 9'-0"	SLIDING DOOR	
FD-40-5	10'-0" x 10'-8"	SLIDING DOOR	
FD-41-1	8'-6" x 8'-6"		
FD-42-1	3'-0" x 6'-6"	AMBASSADOR	246219C - ULC
FD-42-2	8'-5" x 8'-3"	SLIDING DOOR	
FD-43-1	8'-6" x 8'-8"	SLIDING DOOR	
FD-43-2	10'-6" x 10'-0"	SLIDING DOOR	
FD-43-3	10'-6" x 10'-0"	SLIDING DOOR	
FD-43-4	9'-7" x 7'-11"	SLIDING DOOR	
FD-43-5	10'-6" x 10'-0"	SLIDING DOOR	
FD-43-6	10'-6" x 10'-0"	SLIDING DOOR	
FD-43-7	8'-5" x 9'-10"	SLIDING DOOR	
FD-43-8	8'-5" x 7'-9"	SLIDING DOOR	
FD-46-1	10'-3" x 10'-8"	SLIDING DOOR	
FD-46-2	10'-3" x 10'-8"	SLIDING DOOR	
FD-46-3	10'-6" x 8'-0"		
FD-46-4	10'-6" x 10'-8"		
FD-46-5	10'-6" x 10'-8"		
FD-50-1	18'-6" x 9'-1"		

NOTE:
 FD FIRE DOORS INCLUDE
 ROLLING & SLIDING DOORS
 DOES NOT INCLUDE HINGED
 MAIN DOORS

DOMESTIC WATER VALVES	
VALVE	CONNECTIONS
108	8" MAIN

SPRINKLER VALVES	
VALVE	CONTROLS
1	ORIGINAL MAIN SHUT-OFF
2	BUILDING 27
10	BUILDING 28 & 13 (SOUTH END)
13A & 13B	8" MAIN
13C & 13D	8" MAIN
13E & 13F	8" MAIN
16	BUILDING 4 & 50
19	BUILDING 13 (NORTH END)
21	BUILDING 40 (NORTH END)
22A	BUILDING 30 (NORTH END)
23	BUILDING 45
24	BUILDING 33 & 30 (SOUTH END)
25	BUILDING 41
26	BUILDING 42
27	MAIN LOOP SHUT-OFF
29	BUILDING 39 & 37 (SOUTH END)
30	BUILDING 38 & 37 (NORTH END)
31	BUILDING 35 - DRY SYSTEM
33	BUILDING 43 & 44
34	8" MAIN SHUT-OFF
35	10" MAIN SHUT-OFF (FIRE PUMP)
36	MAIN FEED - NORTH END PLANT
37	MAIN FEED - MIDDLETON ST.
38	BUILDING 46 & 48
39	BUILDING 49
40	BUILDING 32 & RESIN SILD BLDG
41	MAIN FEED - SOUTH END PLANT
42	8" MAIN
43	MAIN FEED - EAST SIDE HYDRANT
44	8" MAIN
45	BUILDING 45 (NORTH END)



WATER SUPPLY LEGEND
 MLE MAIN WATER VALVE
 MK MAIN WATER VALVE
 LBS LOCATED IN BASEMENT
 R RISER VALVE & NUMBER
 R# RISER VALVE & NUMBER
 L LOCATED IN BASEMENT
 H HYDRANT

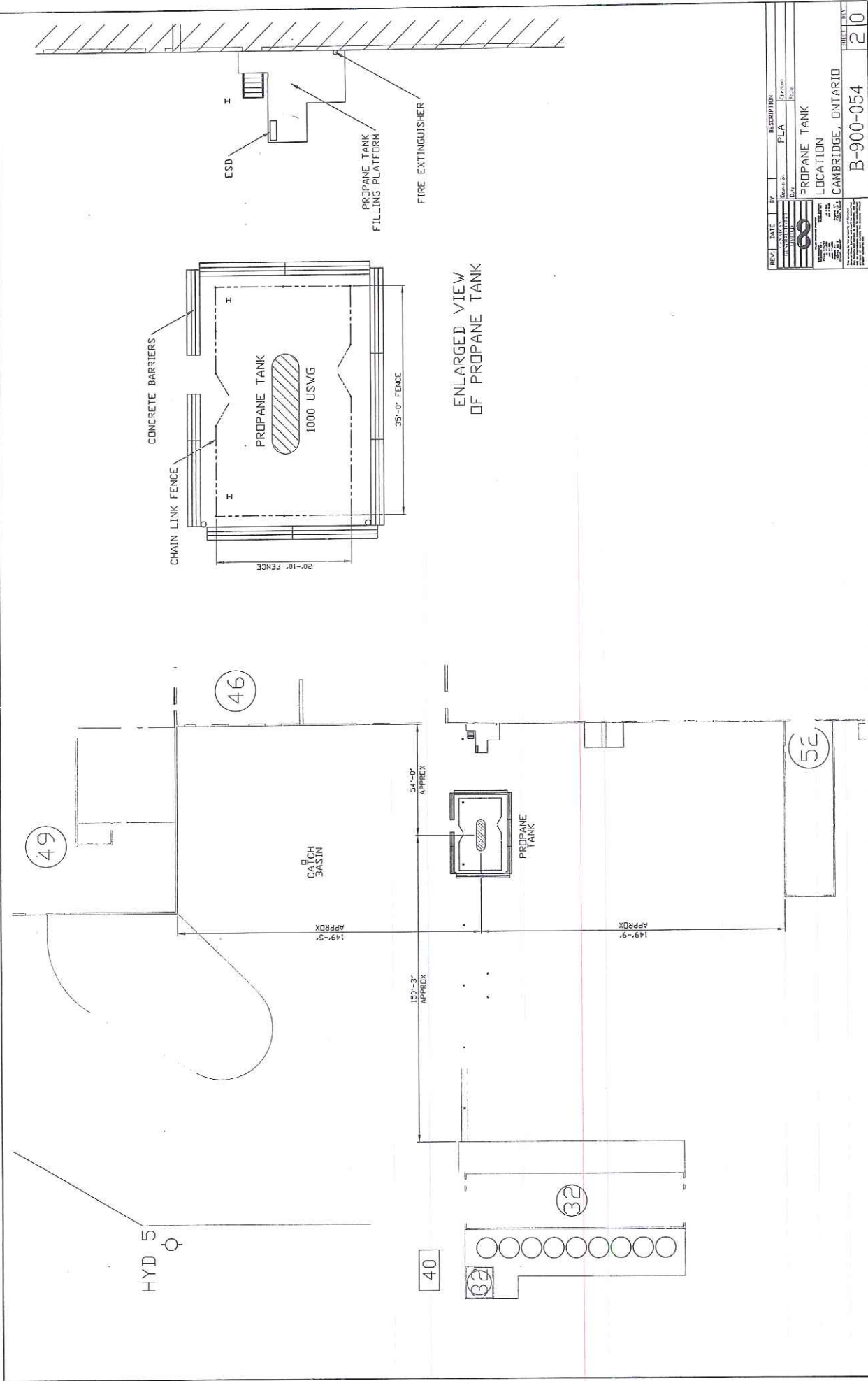
REV	DATE	BY	DESCRIPTION
E	12/24/2009	PLA	RISER VALVE 13 REMOVED, UPDATED
F	1/29/2010	PLA	REBARR ON ACAD, FIRE DOOR NUMBERS ADDED
G	1/25/2010	PLA	8" MAIN IN NORTHEAST CORNER UPDATED
H	8/24/1999	PLA	BROUGHT UP TO DATE
I	11/28/1994	HJP	REVISIONS TO DATE
J	9/29/1990	HJP	REVISIONS TO DATE
K	7/12/1978	HJP	REVISIONS TO DATE

Drawn by: HJP
 Date: 7/12/1978
 Scale: 1" = 50'

MAY 23 2012

FIRE PROTECTION AND
 WATER SUPPLY SYSTEM
 CGT - CAMBRIDGE

D-900-022
 SHEET NO. 1 F



REV	DATE	BY	DESCRIPTION
8			PROPANE TANK LOCATION
			CAMBRIDGE, ONTARIO
			B-900-054
			20