

# 2016 ONPHA Conference and Trade Show

202

## Fire and Life Safety

Robert Clark Ottawa Community Housing Corporation  
Will Johnstone Onyx-Fire Protection Services Inc.

ONPhA



# Introductions

# Discussion Topics

1. Ontario Fire Code Part 6 - Fire Protection Equipment
2. Ontario Fire Code Part 9 - Retrofit
3. Get to know your Fire Protection Contractor
4. Fire safety record keeping and reporting
5. Steps to a smooth inspection



# Building Code vs. Fire Code

	<b>Ontario Building Code</b>	<b>Ontario Fire Code</b>
Act:	Building Act	Fire Protection and Prevention Act
Purpose:	Promotes public safety through the application of appropriate uniform building standards	Minimum requirements respecting fire safety within and around existing buildings and facilities
Governance:	Ministry of Municipal Affairs and Housing	Ministry of Community Safety & Correctional Services

# Ontario Fire Code

## *Owner's responsibility*

1.2.1.1. Unless otherwise specified, the **owner** is responsible for carrying out the provisions of this Code.





# Ontario Fire Code Part 6

## Fire Protection Equipment

# Fire Safety Maintenance Frequency

	Daily	Weekly	Monthly	Quarterly	Semi-Annually	Annually
Emergency Generator		✓	✓		✓	✓
Fire Alarm System	✓		✓			✓
Sprinkler System			✓	✓	✓	✓
Fire Extinguisher			✓			✓
Emergency Lighting			✓			✓
Kitchen Systems					✓	
Fire Doors			✓			
Fire Safety Plans						✓
Smoke Alarms						✓
Interconnected Smoke Alarm Systems		✓				✓
Carbon Monoxide Detectors						✓

# Certification Requirements



S524, S536, S537



NFPA25, NFPA10, NFPA97





# Sprinkler Industry Qualification Requirements

As of February 2, 2017, individuals in the sprinkler and fire protection installer trade will need to be members in good standing in one of the following college membership classes in order to continue to work legally:

- Apprentices Class (statement of membership);
- Journeyperson Candidates Class (statement of membership);
- Journeypersons Class (Certificate of Qualification/Provisional Certificate of Qualification) issued by the college.





# Ontario Fire Code Part 9

## Retrofit

# What is a Retrofit?

Retrofit legislation addresses the upgrade of existing buildings. Alteration may require construction, renovations or additions. A building permit may be required for some of this work.

## **The community buildings of concern include:**

- rooming houses
- multi-unit residential buildings



# Retrofit: Safety Areas



# Next Steps

1. Review the Fire Safety Maintenance Duties
2. Assign a competent person (i.e. Property Manager, Maintenance Worker, or a Fire Life Safety contractor) to fulfill the duties
3. Perform quality control measures to ensure accurate recordkeeping and proper repairs



# Get to know your Fire Protection Contractor!

What are the Trades licenses your fire protection contractor is required to have?

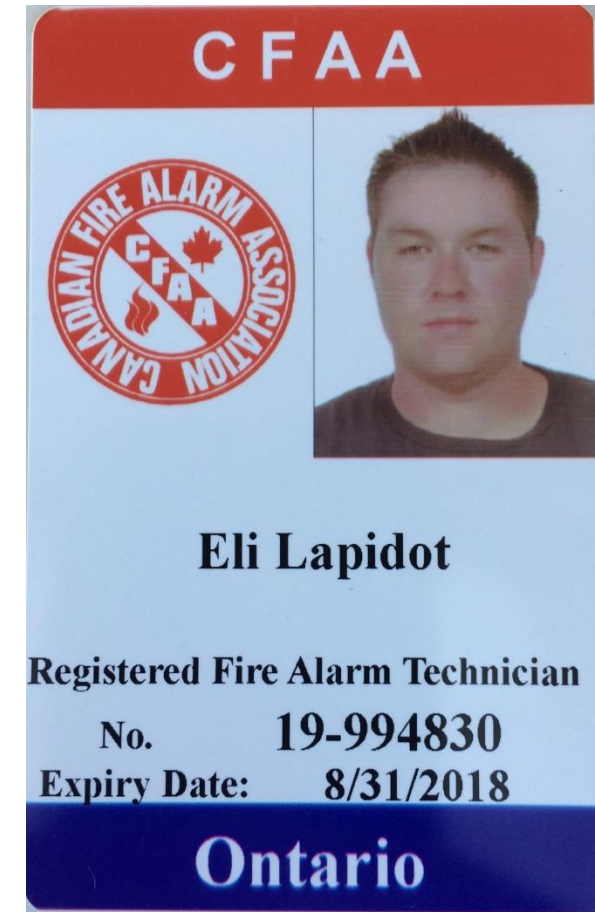
Who can work on your systems and are they qualified?  
Inquire!

- Fire Alarm Technician: Certified Fire Alarm Association (CFAA)
- Sprinkler Fitter: Ontario College of Trades
- Electrician, Master Electrician: Ontario College of Trades



# Canadian Fire Alarm Association

- Technicians servicing fire alarm systems should be licensed through the Canadian Fire Alarm Association
- They will be able to provide proof of their license
- Certifications are renewed on a 1 or 2 year rolling basis.



# Certificate of Qualification: Sprinkler and Fire Protection Installer

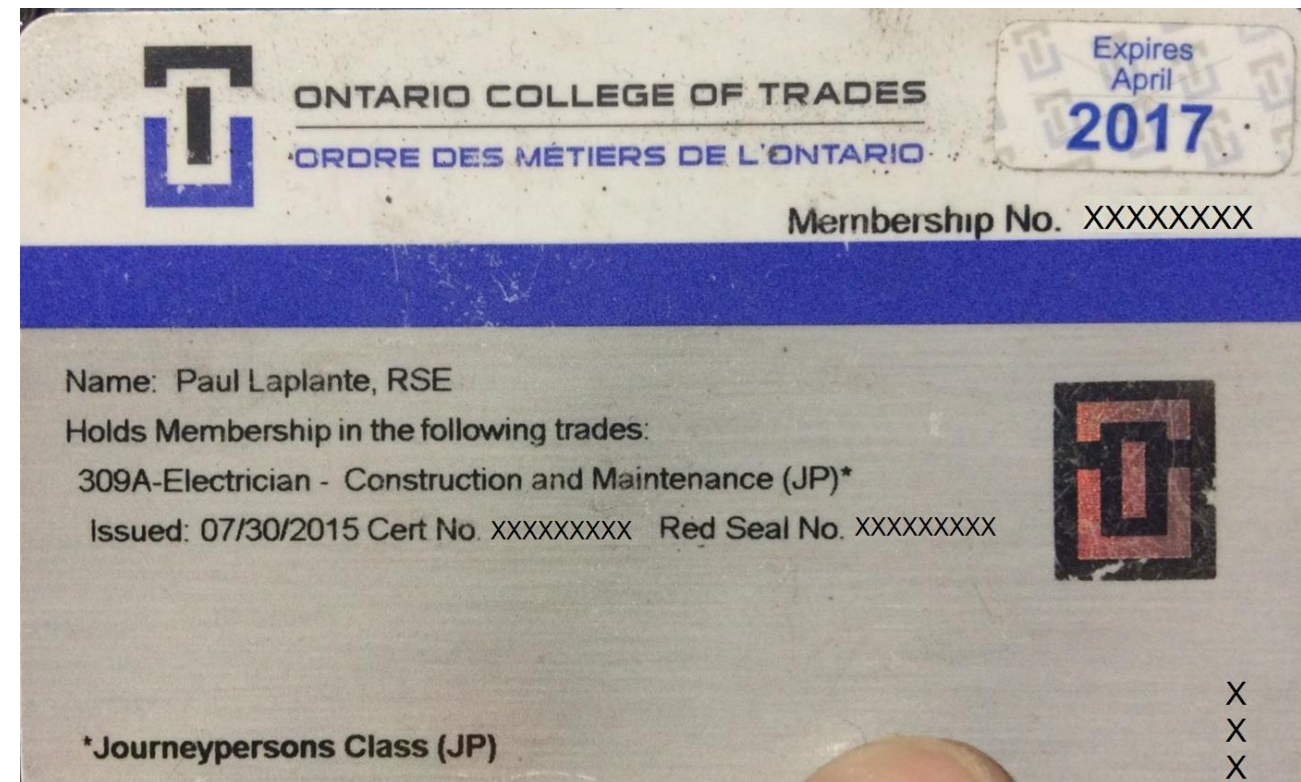
- Commonly referred to as a Sprinkler Fitter
- Trade has been around since early 1900's
- Recently re-classified as compulsory trade in the Province of Ontario
- As of February 2, 2017 anyone working on your sprinkler systems will be required to have this certification.





# Ontario College of Trades: 309A Electrician Membership & Master Electrician

- High Voltage (120V+)
- Fire Panel Installation & Retro Fit
- Emergency Lighting
- Fire Pump Controllers
- Air Compressors



# Record Keeping & Reporting

## Annual Inspection Reports & Certificates – 2 years of records

**ONYX-FIRE**  
PROTECTION SERVICES INC.

**Certificate of Annual Test & Inspection**  
Store #1000 ~ 33 Clifton Ave

THE FIRE PROTECTION EQUIPMENT AT THE ABOVE SITE WAS INSPECTED AND TESTED IN Inspection Month & Year, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND APPLICABLE STANDARDS AS INDICATED ON THIS CERTIFICATE.

CERTIFICATE NO. 20160422-075 CERTIFICATE EXPIRY: Inspection Month (Next Year) INSPECTOR(S): CFAA and CESA Team

Element/Equipment	Certifying Equipment "X" Noted Below As Inspected (Inspection/Testing Code Reference (Ontario Fire Code))	Certifying Equipment "X" Noted Below As Inspected (Inspection/Testing Code Reference (Ontario Fire Code))
Fire Alarm/EVC (Including Sensitivity Testing)	O. Reg. 213/07 (Section 6.3.2) CANULC 5356 (as applicable) <b>NA</b>	O. Reg. 213/07 CANULC 5524-06 <b>NA</b>
Automatic Sprinkler System	O. Reg. 213/07 (Section 6.5.4) <b>NA</b> O. Reg. 213/07 (Section 6.5.5) <b>NA</b>	O. Reg. 213/07 NFPA 13, NFPA 25 (as applicable) <b>NA</b>
Standpipe & Hoses	O. Reg. 213/07 (Section 6.4.2) <b>NA</b> O. Reg. 213/07 (Section 6.4.3) <b>NA</b>	O. Reg. 213/07 NFPA 14, NFPA 20 (as applicable) <b>NA</b>
Fire Pumps	O. Reg. 213/07 (Section 6.6.3) <b>NA</b>	O. Reg. 213/07 NFPA 20, NFPA 25 (as applicable) <b>NA</b>
Portable Extinguishers	O. Reg. 213/07 (Section 6.2.7) <b>NA</b>	O. Reg. 213/07 NFPA 10 (as applicable) <b>NA</b>
Hydrants	O. Reg. 213/07 (Section 6.6.5) <b>NA</b>	O. Reg. 213/07 CSA-C282 <b>NA</b>
Emergency Power (Generators)	O. Reg. 213/07 (Section 6.7.1) <b>NA</b>	O. Reg. 213/07 Manufacturers Specifications <b>NA</b>
Emergency Lighting (Standalone Power Packs)	O. Reg. 213/07 (Section 2.7.3) <b>NA</b>	

Onyx Fire Protection Signature

**ONYX-FIRE**  
PROTECTION SERVICES INC.

42 Shaft Road, Etobicoke, ON M9W 4M Tel: (416) 674-5633 Fax: (416) 674-9623 www.onyx-fire.com

**Fire Alarm System Test and Inspection Report**  
(Per CANULC-5536-2013)

Building Name: Job/Contract No.: 20160219-079  
Building Address: Date:  
System Manufacturer: Model Number:

In this report: Y means - Tested correctly.  
N means - Did not test correctly.  
N/A means - NOT APPLICABLE, the function or feature is not provided on this fire alarm system.

A) System provides single-stage operation ☐ Yes ☐ No ☐ N/A  
B) System provides two stage operation ☐ Yes ☐ No ☐ N/A  
C) The entire fire alarm system has been inspected and tested in accordance with CANULC-5536, Inspection and Testing of Fire Alarm Systems ☐ Yes ☐ No ☐ N/A  
D) The fire alarm system documentation is on site and includes a description of the system ☐ Yes ☐ No ☐ N/A  
E) The fire alarm system is fully functional ☐ Yes ☐ No ☐ N/A  
F) The fire alarm system has deficiencies noted on the pages attached. ☐ Yes ☐ No ☐ N/A

A COPY OF THIS REPORT WILL BE GIVEN TO:

WHO IS THE OWNER OR OWNERS REPRESENTATIVE FOR THE BUILDING

**This is to certify that the information contained in the Fire Alarm System Annual Test and Inspection Report is correct and complete.**

Test Tech	Printed Name of the Primary or Supervising Technician Conducting the Inspection	CFAA Technician Number	Signature
Test Tech <td>Printed Name of the Technician Conducting the Inspection<td>CFAA Technician Number<td>Signature</td></td></td>	Printed Name of the Technician Conducting the Inspection <td>CFAA Technician Number<td>Signature</td></td>	CFAA Technician Number <td>Signature</td>	Signature
Test Tech <td>Printed Name of the Technician Conducting the Inspection<td>CFAA Technician Number<td>Signature</td></td></td>	Printed Name of the Technician Conducting the Inspection <td>CFAA Technician Number<td>Signature</td></td>	CFAA Technician Number <td>Signature</td>	Signature

DEVICE LEGEND AND TYPE/MODEL (Reference: Clauses 5.7.4.1.3, 5.7.4.1.4, 5.7.4.5, 5.7.4.3.1, 5.7.4.5.1, 5.7.8.1.1, 5.7.8.2.2, 5.7.8.2.4) Smoke Detector Sensitivity Method or Test Equipment Model: Manufacture Sensitivity Range:			
Device	Description	Model	Comments
M	Manual Pull Station		
RHT	Heat Detector, Restorable		
HT	Heat Detector, Non-restorable		
S	Smoke Detector		
RI	Remote Indicator Unit		
DS	Duct Smoke detector		
OD	Other Type of Detector		
SFD	Supporting Field Device (Monitor)		
FS	Sprinkler Flow Switch		
SS	Sprinkler Supervisory device		
OS	Other Supervisory Devices (Low Pressure, Low Temp., Power Loss etc.)		
EM	Fault Isolation Module		
RM	Relay Module		
B	Bell		
H	Horn		
V	Visual Signal Appliance		
SP	Cone Type Speaker		
HSP	Horn Type Speaker		
AD	Ancillary Device		
ET	Emergency Telephone		
EOL	End of Line Device		
SA	Smoke Alarm		
SA/CO	Smoke Alarm / Carbon Monoxide Detector Combo		
SIL	Silent Switch		
HV	Horn Strobe		
SV	Speaker Strobe		
CO	Carbon Monoxide Detector		
NC	Nurse Call		
HSPV	Horn Speaker Strobe		
NA	No Access		
ND	No Device (to be scoped)		



# Record Keeping & Reporting

- Work Orders
- Log Books

42 Shaft Road, Etobicoke, Ontario, M9W4M2, 416-674-5633

**ONYX-FIRE**  
PROTECTION SERVICES INC.

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W-20160430-079  
Q-20160422-075

**WORK ORDER**

**Bill To:** X998 - Orion Warehouse Outlet  
**Address:** 42 Shaft Rd  
**City:** Etobicoke  
**Account #:** BV/Account  
**Contact:** New Contact Updated2

**Job Site:** Store #1000  
**Address:** 33 Clifton Ave  
**City:** North York  
**Account #:** X99801  
**Contact:** Jack Smith

**REASON FOR CALL**  
TEST JOB

**Notes**

Technician	Date	Start Time	Stop Time	Reg Hours	After Hours
Test Tech	Apr 22 2016	09:00 AM	09:30 AM	0.50	0.00
Did the Job					

JOB IS 100% COMPLETE	<input type="checkbox"/> Yes	<input type="checkbox"/> No	INCOMPLETE WORK REPORT PREPARED	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
LEFT PANEL CLEAR	<input type="checkbox"/> N/A	<input type="checkbox"/> Yes	<input type="checkbox"/> No	JOB SCOPE PREPARED	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
LOG BOOK SIGNED	<input type="checkbox"/> N/A	<input type="checkbox"/> Yes	<input type="checkbox"/> No	RETURN CALL REQUIRED	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
MONITORING CALLED	<input type="checkbox"/> N/A	<input type="checkbox"/> Yes	<input type="checkbox"/> No	KEYS RETURNED	<input type="checkbox"/> N/A	<input type="checkbox"/> Yes	<input type="checkbox"/> No

\_\_\_\_\_  
Technician Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Customer Signature

\_\_\_\_\_  
Customer Name Print



# Steps to ensure a smooth Annual Inspection

- Put the fire alarm system on test!
- Hire/arrange for an escort to accompany your contractor
- Arrange for your elevator contractor and/or hydro company to provide access to their respective areas
- Post notices explaining access requirements and timeline for inspection



# NOTICE

*Store #1000 ~ 33 Clifton Ave*

**TO:** All Staff/Tenants

**FROM:** ONYX-FIRE PROTECTION SERVICES INC.

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Please be advised that ONYX-FIRE PROTECTION SERVICES will be conducting the annual inspection of the fire protection equipment on

**Apr 22 2016** between the hours of *8:30am and 5:00pm*.

**Access to all areas/suites is required.**

THE ALARMS **WILL** BE RINGING INTERMITTENTLY DURING THE TESTING PERIOD. Should an actual emergency occur during the testing, the fire alarms will ring on a continuous basis. Should you have any questions or require additional information, please contact your superintendent or property manager.

THANK YOU FOR YOUR CO-OPERATION.

**ONYX-FIRE PROTECTION SERVICES INC.**

Signed Authorization: \_\_\_\_\_ (fax back # 416-674-9623)

## Inspection Notice & Reminder:

*33 Clifton Ave*

We would like to take this opportunity to remind you of the annual inspection of the fire protection equipment that we will be completing at your locations on **Apr 22 2016**.

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- 1) Our inspection staff will be conducting the in-suite portion of the inspection and will require assistance (superintendent or security) to assist in opening the suite entrance doors for our in-suite testing.
  - 2) Access to the elevator pit and shaft (where applicable) is necessary and can be completed at anytime during our inspection. Please advise our staff when the elevator contractor is expected to be on-site for access to these areas. **If access cannot be accessed during the designated annual inspection date, and we must return on another date to gain access, extra charges will apply for time spent on site. We will attempt to accommodate no access areas during deficiency corrections.**
  - 3) Access to the Hydro Vault (if applicable) should be arranged, and again can be completed during the deficiencies correction if not possible during our annual inspection. **If access cannot be accessed during the designated annual inspection date, and we must return on another date to gain access, extra charges will apply for time spent on site. We will attempt to accommodate no access areas during deficiency corrections.**
  - 4) Please allow our technicians access from just after 8:00 a.m. to commence pre-inspection tests and checks, prior to ringing the audible signals starting at roughly 9:00 a.m.
  - 5) **Signed Authorization:** \_\_\_\_\_ **(fax back #416-674-9623)**

NOTE: Cancellations of the annual inspections must be initiated 48 hours prior to the inspection. A minimum charge per technician will be issued for appointments in which staffs at your location are at your property without access or prior cancellation.

Should you have any questions or require additional information, please contact our Service Department anytime for assistance.

**ONYX-FIRE PROTECTION SERVICES INC.**

Thank you!

Questions?



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Will Johnstone [wjohnstone@onyx-fire.com](mailto:wjohnstone@onyx-fire.com)