# **City of Winnipeg Winnipeg Transit**

Asbestos Inventory Date July 27, 2015



Elias Consulting
Occupational Hygiene



108 Turnbull Drive Winnipeg MB T: 204-261-1770 C: 204-998-5710

R3V 1X2 www.eliasconsulting.ca www.adjustingtlvs.com alison@eliasconsulting.ca

July 27, 2015 Project: 15-A-167-2

Priya Nayar, P.Eng, BSc, MSc Asset Management Project Engineer Winnipeg Transit 421 Osborne Street Winnipeg MB R3L 2A2

### **Re: Asbestos Inventory**

Elias Occupational Hygiene Consulting Inc. is pleased to submit our Occupational Hygiene Report for the asbestos inventory at 421 Osborne and 1520 Main St.

In order to plan a maintenance program, please call at your convenience. Should you have any questions or require additional assistance please contact Alison Reineke.

For Elias Occupational Hygiene Consulting Inc.

Alison Reineke, BHEc, BSc, CIH, ROH, CRSP Occupational Hygienist

### **Occupational Hygiene Report**

**Asbestos Inventory** 

**City of Winnipeg Winnipeg Transit** 

**Project Number 15-A-167-2** 

Date of Survey: July 8 & 9, 2015 Date of Report: July 27, 2015

**Survey Performed by:** 

Alison Reineke, BHEc, BSc, CIH, ROH, CRSP Elias Occupational Hygiene Consulting Inc. 108 Turnbull Drive Winnipeg, Manitoba R3V 1X2

## Winnipeg Transit Asbestos Inventory

### **SCOPE OF PROJECT / BACKGROUND**

This project was carried out in order to fulfill the Manitoba requirements to inspect asbestos containing materials on an annual basis. Asbestos containing materials were inspected at the 421 Osborne St. and 1520 Main St. facilities.

#### **METHOD**

The last inventory database (Excel spreadsheet) was used to identify the locations of asbestos containing materials at the two facilities. The asbestos containing materials were visually assessed to determine the condition of the materials. Photographs of materials in need of repair were taken, unfortunately not all the photographs turned out well.

#### **RESULTS AND OBSERVATIONS**

The following observations indicate the condition of the asbestos containing materials and the presumed asbestos containing materials as of July 8<sup>th</sup> and 9<sup>th</sup>. The results are provided in updated Excel spreadsheets.

## 421 Osborne St. Building A, Maintenance

See Appendix A for approximate locations marked on a floor plan.

Pipe insulation inside the metal heaters is not readily visible. It may have been removed however without confirmation, asbestos may be present inside the heater which may only be accessible when the heater is taken apart for maintenance. Since any possible asbestos is enclosed there is no significant concern, risk of exposure would only occur during major maintenance activities.

Pipe insulation located above asbestos ceiling tiles was not assessed. Due to the nature of the ceiling tiles, they were not removed, which may disturb the asbestos.

### Stairwells

Both maintenance stairwell and public stairwell, stucco need repair



North Offices (Inside Heater Cabinets)

Operations Supervisor's office, pipe elbow needs repair

**South Offices** 

Payroll & Records office, pipe elbow needs repair above ceiling

Women's Washroom

Pipe joint above ceiling needs repair

**Second Floor Offices** 

Manager of HR, pipe fitting inside heater needs repair

Manager of Service Development, pipe fitting inside cabinet needs repair

#### Stores

Tire Storage, plaster columns, need repair



Receiving Bay, spray on insulation, needs repair



Northwest Corner, isolation gasket of AHU needs repair Body Repair

Body Repair Area (106) near Stores Office, Pipe insulation needs repair



Aisle way East of Paint Booth #4
Plaster columns near washrooms need repair
Locker Area & Washroom
Ceiling tiles need repair
Carpenter Shop

Isolation gasket of AHU needs repair



Paint Booths 1, 2, & 3
Plaster Columns need repair
Booth 1 & 3 - Duct Insulation on bottom corners need repair



General Repair Area (108)

Washroom plaster walls need repair
Parking Meter Repair Room

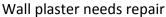
Floor tiles need repair

## **421 Osborne St. Building B, Storage Tracks**

See Appendix B for approximate locations marked on a floor plan.

The Basement Track Storage Stairwell location was unable to be found. However it has not been removed from inventory on the chance that the location may be recognized at a later date.

Second Level North Lunchroom/Washroom





Maintenance Bay 2

Pipe elbow insulation on west wall mid-way needs repair

Storage Track 13-24

Pipe insulation, east wall: north end & mid-way needs repair



### Storage Track 25-36

Pipe insulation, east wall: south end 2 fittings & mid-way needs repair



Drywall northwest corner needs repair & near NE Sprinkler Room



Northeast Sprinkler Room
Pipe elbow insulation needs repair



### 1520 Main St.

See Appendix C for approximate locations marked on a floor plan.

### Locker Room

Above women's locker room, pipe insulation needs repair



Television Lounge
Pipe insulation needs repair

Area 27 (Storage)

Pipe insulation through the wall cavity, needs repair



### **DISCUSSION AND CONCLUSIONS**

The repairs/removal mentioned above are all relatively minor. They can be repaired using Type 1 asbestos precautions or Type 2.

The priority repairs would be (in order):

421 Osborne, Building A, Maintenance

Manager of HR, pipe fitting inside heater needs repair Manager of Service Development, pipe fitting inside cabinet needs repair Operations Supervisor's office, pipe elbow needs repair

### 1520 Main St.

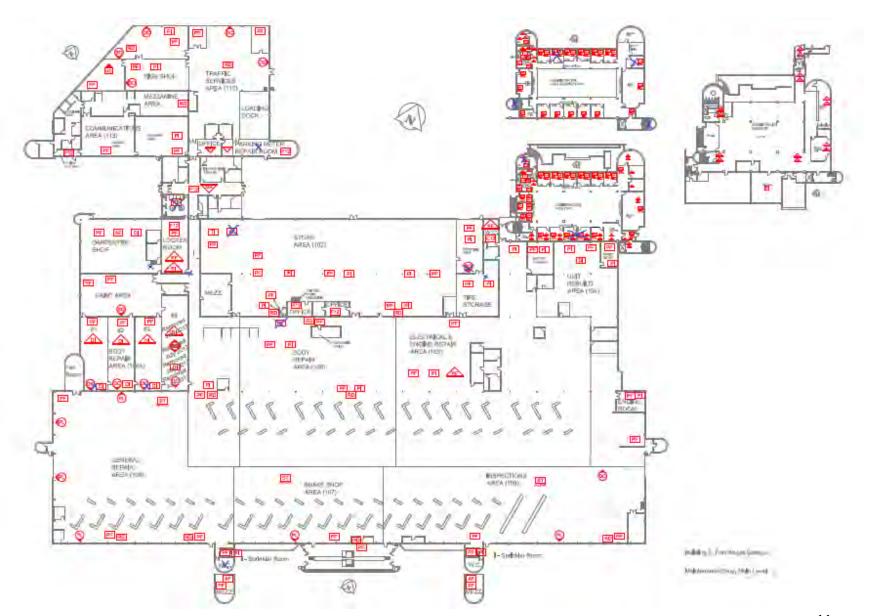
Television Lounge, pipe insulation needs repair

### 421 Osborne, Building A, Maintenance

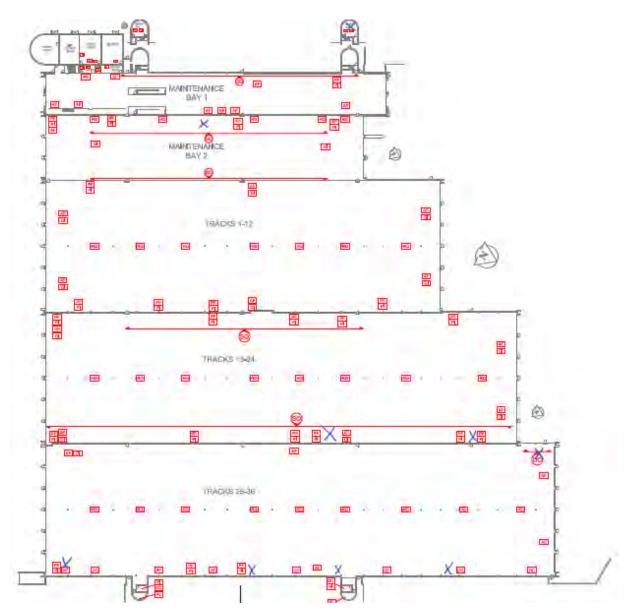
Booth 1 & 3 - Duct Insulation on bottom corners need repair Stairwells, both maintenance stairwell and public stairwell, stucco need repair

Appendix A

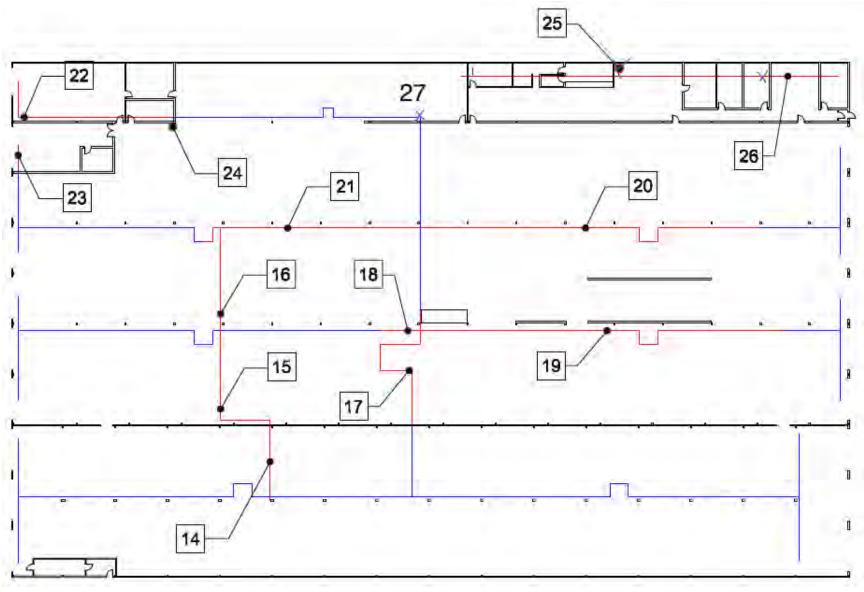
### 421 Osborne St. Building A, Maintenance



Appendix B **421 Osborne St. Building B, Storage Tracks** 



Appendix C **1520 Main St.** 



Chubb Edwards 82 Terracon Place Winnipeg, MB R2J 4G7

Tel (204) 633-5248



Fax (204) 632-5341

November 28, 2014

Troy Life & Fire Safety Unit 7 – 1333 Niakwa Road East Winnipeg, Manitoba R2J 3T5

Subject: November 2014-ANNUAL TEST AND MAINTENANCE INSPECTION AGREEMENT Location: Winnipeg Transit, 421 Osborne, Winnipeg, Manitoba

Per the terms of the Preventative Maintenance Agreement with Chubb Edwards, we have completed the test and inspection of the building systems listed below following the requirements of the current Provincial Fire Code.

The tested systems are indicated with  $[\sqrt{\ }]$  for satisfactory operation, [X] for unsatisfactory operation, and [Inc] for incomplete work.

[X] Fire Alarm System

[X] Emergency Lighting

We enclose our completed test and inspection report for your review. A Certificate of Inspection will only be included for satisfactory operation.

We welcome the opportunity to assist you, should you require additional information and/or service regarding this inspection.

Regards,

Dianna Grosshans Fire Service Billing & Inquiries

Enc.

**UTC Fire & Security Canada** 



### Fire Alarm System Annual Inspection Report

### Chubb EDWARDS

BUILDING NAME: Winnipeg Transit -	Fort Rouge Facility			
ADDRESS: 421 Osborne Stree	t CITY: Wi	nnipegF	PROVINCE: Manitoba	
DATE: November 13, 2014	SINGLES	STAGE: X	ADDRESSABLE:	х
MANUFACTURER: Notifier	TWO S	STAGE:	CONVENTIONAL:	'
MODEL NUMBER: NFS-3030	F	ROP #: 40-212-	4980	
		-		
		Г	YES NO	N/A
A. The entire Fire Alarm system has been in CAN/ULC-S536, Inspection and Testing		with [	x	
B The Fire Alarm system documentation is system	on-site and includes a description	of the	х	
C. The Fire Alarm System is FULLY Function	onal with NO Deficiencies		^X	
D. The Fire Alarm System is NOT FULLY F			X	
E. The Fire Alarm System is Functional WI	TH Deficiencies noted in this report		X	
F. A copy of this report will be provided to the	ne Building Owner or Representativ	е	Х	
G. Other safety equipment testing included  Emergency Lightin  This is to certify that the information	g  contained in this Fire Alarm System Annual		Report is correct and complete.	
	This record is to be maintained by the bu			
Andrew Fenstad Printed name of primary or supervising	Chubb Edwards	204-633		
technician conducting the inspection	Сотрапу	Telephone	•	
49-212-4860 (NOV. 2014)  Signature of primary or supervising technician conducting the inspection	13-994100 Identification # of primary or supervising technician conducting the inspection		se ID # of primary or supervising conducting the inspection	
Printed name of the assisting technician conducting the inspection	Сотралу	Telephone		
Signature of the assisting technician conducting the inspection	Identification # of the assisting technician conducting the inspection		e ID # of the assisting conducting the inspection	



### Fire Alarm System Annual Inspection Report

### GChubb EDWARDS

### **INSPECTION PRE-CHECK LIST**

				YES	NO
1. Is this system monitored	d by a Central Mon	itoring Station or Fire	Department?	Х	
2. Does this site have Cen	tral Station ULC co	ertificate posted at the	transmitter.		х
Monitoring Cor	mpany:	Protelec Alarm	ns		
Phone #:		1415			
*Be sure to co	nfirm restoration of	any bypassed connec	ction to the CMS prior to	leaving the site.	
Date:	11/10/2014	Time Offline:			
		Time Online:	4:00PM		
Date:	11/13/2014	Time Offline:	8:00		
	,	Time Online:	16:00		
Date:		Time Offline: Time Online:			
Date:		Time Offline:			
-		Time Online:			
Date:		Time Offline:			
Date.		Time Online:			
			_	YES	NO
2. Do you have auxiliary fu			ations, such as	X	
•	,				
Can these functions be	disabled and tested	d by groups?		X	
3. Have building occupant	e haan mada awar	e of fire alarm testing?	,	Гх	
o. Have believing occupant	3 Doctrinado atrai	o or mo diam toomig	•		
4. Has a pre-determined ti	me been establish	ed for testing signaling	g devices?	Х	
5. Have provisions been n	nade for acquiring	access to the secured	areas of the building?	Х	
	h	a alam badahara			
<ol><li>Has an alternative plan department should an a</li></ol>				Гх	



### Fire Alarm System Annual Inspection Report

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### **CONTROL UNIT TEST**

Control Unit or Transponder Location:	ADMIN BUILDIN	G AT RECEPTION	NC.	•
Control Unit or Transponder Identification:	NOI	DE #1	····	
		YES	NO	N/A
A. Power On visual indicator operates.		X		
B. Common visual trouble signal operates.		X		
C. Common audible trouble signal operates.		X		
D. Trouble signal silence switch operates.		X		
E. Fire alarm system reset operates.		Х		
F. Ground fault tested on both positive and negative initiates tro	ouble signal.	X		
G. Alert signal operates.				X
H. Alarm signal operates.		Х		
I. Automatic transfer from alert signal to alarm signal operates.	(Auto Evac)			X
J. Manual transfer from alert signal to alarm signal operates. (T	otal Evac)			X
K. Automatic transfer from alert signal to alarm signal cancel sw	vitch operates. (AEC)			X
L. Alarm signal silence inhibit function operates. Time:	sec.			X
M. Alarm signal manual silence operates.		X		
N. Alarm signal silence visual indication operates.		Х		
O. Alarm signals, when silenced, automatically reinitiates upon	subsequent alarm.	X		
P. Alarm signal silence automatic cut-out timer. Time:	min.			Х
Q. Input to Output circuit operation, including anciliary device circhecked for correct program operation, as per the design and	d specifications or			
documented as detailed in Appendix C of CAN/ULC-S536. Se	equence of Operation.	L	-	X
<ul> <li>R. Input circuit, alarm and supervisory operation, including audi operates as intended.</li> </ul>	ble and visual indication	х		
S. Input circuit supervision fault causes a trouble indication.		×		
T. Output circuit currentiates foult courses a travelle and the				
T. Output circuit supervision fault causes a trouble condition		x		



### Fire Alarm System Annual Inspection Report

### Chubb EDWARDS

### **CONTROL UNIT TEST**

	YES	NO	N/A
U. Output circuit alarm indicators operate			Χ
V. Lamp Test operates.	Х		
W. Coded signal sequences operate not less than the required number of times and the			
correct alarm signal operates thereafter.			Х
X. Coded signal sequences are not interrupted by subsequent alarms.			X
Y. Auxiliary device bypass will result in a trouble indication.	X		L_
Z. Main power supply failure initiates trouble signal.	X	<u> </u>	
AA. Main power supply to emergency power supply transfer operates.	X		L
BB. Alarm verification confirmation for smoke detectors only has been verified.			X
CC. Receipt of the system Alarm transmission to the fire signal receiving center.	X		
DD. Receipt of the system Supervisory transmission to the fire signal receiving center.	X		
EE. Receipt of the system Trouble transmission to the fire signal receiving center.	X		L.
FF. Name of the fire signal receiving center recorded on page 2 of this report.	X		
GG. Operation of the fire signal receiving center disconnect (FDR) results in a specific troub	le		
indication at the control unit/transponder, and transmits a trouble signal to the alarm			
receiving center.			X



#### Fire Alarm System Annual Inspection Report

### GChubb EDWARDS

#### **CONTROL UNIT TEST**

	YES	NO	N/A
A. Input circuit designations correctly identified in relation to connected field devices.	Х		
B. Output circuit designations correctly identified in relation to connected field devices.	X		
C. Correct designations for common control functions and indicators.	X		
D. Plug-in components, modules and cables securely in place.	X		
E. Date, revision and version of firmware/software program installed on system.	January	26, 2010	
Rev.: Ver.:	A003.012.004	ļ	
F. Clean and free of dust and dirt.	X		
G. Fuses in accordance with manufacturers specifications.	Х		
H. Control unit/transponder lock functional.	Х		
I. Termination points for wiring to field devices secure.	Х		
PRINTER TEST			
Printer Location:			
A. Operates per design and specification, or documentation as detailed in Appendix C,     Description of Fire Alarm System for Inspection and Test procedures.		· · · · · · · · · · · · · · · · · · ·	х
B. Zone of each alarm initiating device is correctly printed.			x
C. Rated voltage is present at printer.			x
POWER SUPPLY INSPECTION			
A. Fused in accordance with the manufacture's marked rating of the system	X		
B. Adequate to meet the requirements of the system.	X		
C. Control unit power disconnects in accordance with the Canadian Electrical Code.	X		
D. Main power supply feed wiring in accordance with manufacturer's specifications.	Х		
E. Power for ancillary devices is taken from a source separate from the fire alarm power supply	х		
F. Control Unit provides power for ancillary devices and is designed to supply such power. (This includes fire alarm annunciators)	X		



### Fire Alarm System Annual Inspection Report

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### STANDBY POWER SUPPLY TEST AND INSPECTION

Control Unit or Transponder Location:	ADMIN BUILDING AT RECEPTION					
Control Unit or Transponder Identification:	NODE #1					
A. Duration of Full Load Test as determined by occupancy per C	anadian Bu	ilding Code	(0.08,	0.5, 1, 2 hrs)	0.5	Hours
B. Record battery type as recommended by the manufacturer.	Туре: _	SLA	Volt: _	24	Capacity:	18
C. Battery Voltage & Current - Power Off - Supervisory Condition	· _	25.12		-	0.93	Amps
D. Battery Voltage & Current - Power Off - Full Load Alarm Cond	ition _	24.88	Vdc	-	1.67	Amps
E. Battery Voltage - Power Off - After Full Load Alarm Test	-	24.65	Vdc			
F. Battery Voltage & Current - Power On - After Full Load Alarm	Test _	25.20	Vdc	-	0.38	Amps
G. Recorded calculated Amphour capacity (Per ULC-S536 Appe	ndix F4.1-C	<b>;</b> )		_	23.16	Amphr
H. Correct battery rating as determined by battery calculations ba	ased on full	system loa	ıd.	[	NO	]
I. Battery rating is greater than 85% of its rated specifications after	er the test a	ind has pas	sed.		YES	]
				YES	NO	N/A
J. Terminals clamped tightly, cleaned, and lubricated.				х		
K. Inspected for physical damage/electrolyte leakage.				х		
L. Wet type batteries have correct electrolyte levels.						Х
M. Wet type battery specific gravity is within manufacturer's spec	ification.					X
N. Battery has adequate ventilation in an approved cabinet.				X		
O. Battery in-service date recorded or manufacturer's date code				Date:	MAY	2013
P. Disconnection causes a trouble indication				х		
Q. Indicate type of battery test performed.  i) Required supervisory load for 24 hr - followed by the superviso	ha raquirad	full load or	occation	_		1
<li>ii) A silent test by using the load resistor method (Per</li>	ULC-S536					
<ul><li>iii) Silent accelerated test (Per ULC-S536 Appendix F</li><li>iv) A battery capacity meter test (Per ULC-S-536 App</li></ul>	•					47
v) Battery replaced annually having current date code		nour capac	ity	-	X	17
as recommended by the Manufacturer						·
R. Generator provides power to the AC circuit serving the fire ala	rm system.					Х
S. Trouble condition at the emergency generator shall result in ar	audible tro	ouble signa	J. [			X



### Fire Alarm System Annual Inspection Report

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### **VOICE COMMUNICATION TEST**

Indicate with 'X' if there is NO voice communication system included w	ithin this node	X	)
	YES	NO	N/A
A. Power On indicator operates.			Х
B. Common visual trouble indicator operates.		[	L x
C. Common audible trouble signal operates.		L	X
D. Trouble signal silence switch operates.			x
E. All-Call voice paging , including visual indicator, operates.			x
F. Output circuits for selective voice paging, including visual indicator, operates.			x
G. Output circuits for selective voice paging trouble operation, including visual indicator,			
operates.			<u> </u>
H. Microphone, including push to talk switch, operates.		<u> </u>	X
Operation of the voice paging system does not interfere with initial inhibit time of the fire			1 52
alarm signal.			X
J. All-Call voice paging operates on emergency power supply. (batteries)			X
K. Upon failure of one amplifier, system automatically transfers to back-up amplifier.			X
L. Circuits for emergency telephone call-in, including audible and visual indicators, operate.			Х
M. Circuits for emergency telephone - two way voice communication operates.			l x
N. Circuits for emergency telephone trouble operation, including visual indication, operates.	L	<u> </u>	<u> </u>
O. Emergency telephone operable (dial tone) or in use (busy tone) operate.			Х
DEMOTE TROUBLE CLONE. UNIT TECT AND MADE			
REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECT	ION		
Remote Trouble Unit Location:		•	
A. Input wiring from the control unit or transponder is supervised.			X
B. Visual trouble signal operates.			Х
C. Audible trouble signal operates.			×
-			
D. Audible trouble signal silence operates.			<u> </u>



### Fire Alarm System Annual Inspection Report



### ANNUNCIATOR OR SEQUENTIAL DISPLAY - TEST & INSPECTION

Annunciator or Sequential Display Location:			
Annunciator or Sequential Display Identification:			
	YES	NO	N/A
A. Power On indicator operates.			х
B. Individual Alarm and Supervisory input zones are clearly indicated, separately designat	ted and		
are properly identified.			Х
C. Each individual Alarm and Supervisory zone indicator operates - (if N/A see exception)			x
Exception: Operation of each individual alarm and supervisory zone indication identical indication, or lights the identical indicators at other annunc and sequential display(s).  A minimum of one alarm zone and one supervisory zone tested at annunciator & sequential display to confirm operation.	iator(s),		] ]
Specific method of confirmation:			•
D. Common trouble signal operates.			х
E. Visual indicator test (lamp test) operates.			Х
F. Input wiring from control unit or transponder is supervised.			х
G. Alarm signal silence visual indicator operates.			х
H. Switches for ancillary functions operate as per design and specification, or documented as detailed in Appendix C, Description of Fire Alarm System for Inspection and Test	d		
Procedures.			Х
Other ancillary functions visual indicators operate.			X
J. Manual activation of alarm signal and indication operates. (Total Evac Switch)	Г	<del></del>	х
K. Displays are visible in installed location.			Х
L. Operates on emergency power.			Х



### Fire Alarm System Annual Inspection Report

### GChubb EDWARDS

						_
	DATA COMMUNICATION	N LINK TES	T			
	Communication Link Transponder to Transponder:	DCLA	DCLB	Х	DCLR	
	Communication Link Transponder to Device:	DCLA	DCLB	Х	•	
				YES	NO	N/A
4. C	Confirm that a trouble signal is received at the control unit or to	ransponder un	der open			
	oop fault for each communication link.			Х		
a	Where fault isolation modules are installed in data communicatevices, wiring shall be shorted on the isolated side, annunciated then a field device on the source side shall be operated, at the control unit of transporter.	ation of the faul	t confirmed,			
2	at the control unit or transponder.		<u></u>			X
tı	Where fault isolation in data communication links is provided backers, introduce a short circuit fault and confirm annur operation outside the shorted section between each pair of:					
	a) Control Unit to Control Unit			Х		
	b) Control Unit to Annunciator					х
	c) Control Unit to Remote Transponder		Г	·		Y

#### **ANCILLARY DEVICE LISTINGS**

Summary of Ancillary Equipment Installed on this Sy	ystem:
No ancillary devices installed	
AHU Shutdown	х
Pressurization Fans	
Exhaust Fan Shutdown	
Exhaust Fan Startup	
Fire Damper	
Fire Drop Shutter	х
Magnetic Door Holder	х
Magnetic Lock Release	х
Elevator Recall	
Elevator Alternate Recall	
Kitchen Hood Shutdown	
Other	
·	

\*NOTE: The equipment reported on this form does not include the actual operational test of the ancillary device



#### Fire Alarm System Annual Inspection Report



#### **FIELD DEVICE TESTING - LEGEND & NOTES**

DEVICE	DESCRIPTION	TYPE   MODEL N	
M	Manual Station	SPO	8P05
M1	Manual Station		
RHT			FSP-851A
RHT1	Rate of Rise Heat Detector	135	
RHT2	Rate of Rise Heat Detector		
HT	Fixed Temperature Heat Detector		<del></del>
HT1	Fixed Temperature Heat Detector		
HT2	Fixed Temperature Heat Detector		
s	For Smoke Detector sensitivity test see chart on next page	РНОТО	FSP-851A
S1	For Smoke Detector sensitivity test		
S2	tool see chart on next page		
S3	For Manufacturer's Sensitivity Range see chart on next page		
RI	Remote Indicator		
DS	Duct Smoke Detector		
DS1	Duct Smoke Detector		
SFD	Supporting Field Device		L81860
SFD1	Supporting Field Device		
SFD2	Supporting Field Device		<del></del>
FS	Sprinkler Flow Switch		
FS1	Sprinkler Flow Switch		
TS	Sprinkler Supervisory Device		
TS1	Sprinkler Supervisory Device		•
TS2	Sprinkler Supervisory Device		
PS	Sprinkler Pressure Device		
FP	Sprinkler Water Fire Pump		
GEN	Emergency Generator		
IM	Isolation Module		
В	Bell		
B1	Bell		
Н	Horn or Horn/Strobe Combo		
H1	Horn or Horn/Strobe Combo		
V	Visual Signal Device		
SP	Cone Type Speaker		
HSP	Horn Type Speaker		
GEN	Emergency Power Generator	i	
FACP	Fire Alarm Control Panel		
ANN	Fire Alarm Remote Annunciator		
BPS	Booster Power Supply	-	
AD	Ancillary Device		
AD1	Ancillary Device		
ET	Emergency Telephone		
EOL	End of Line Device		

It is recommended that smoke detectors in service for over 15 years be replaced.



### Fire Alarm System Annual Inspection Report

### Chubb EDWARDS

#### The following notes apply to Appendix E3.2 of CAN/ULC-S536-M04, Individual device records

Note 1: Smoke detector sensitivity confirmation or sensitivity should be recorded with the individual device.

Note 2: Smoke detector cleaning or replacement date should be recorded in the remarks column.

Note 3: Status change - including time delays should be recorded with the individual device.

Note 4: Duct smoke detector pressure differential or positive air flow readings should be recorded with the device.

Note 5: Time delay settings of the sprinkler flow switch should be recorded with the device.

Note 6: Sprinkler supervisory devices cause supervisory condition to be annunciated - but not an alarm condition.

Note 7: Upper & lower pressure settings of sprinkler pressure switches should be recorded with the device

Note 8: Low temperature settings of temperature devices should be recorded with the device.

Note 9: Identify the specific ancillary device in the remark column.

Note 10: Identify the date of replacement of any field device in the remark column.

Note 11: Identify the correct field device operation (e.g. Alarm, trouble, supervision, annunciation) as required.

Note 12: Identify zone number, circuit number and/or address as required.

Note 13: Identify conventional field device locations.

Note 14: Identify active field device and supporting field device locations.

Note 15: Test and confirm conventional field circuit wiring supervision.

Note 16: Confirm field device free of damage.

Note 17: Confirm field device free of foreign substance - e.g. Paint

Note 18: Confirm field device mechanically supported - independent of the wiring.

Note 19: Confirm the field device protective dust shields or covers are removed.

#### **Smoke Detector Sensitivity Ranges**

#### **Conventional Devices**

OUTTO THE D	041000			
Model	Туре	Range	Tool	Low High
EC10U-3	Ionization	0.69-1.18%	C-PST	140-180mV 500-560mV
EC30U-3	Optical	1.38-3.08%	C-PST	570-630mV 1450-1550mV
EC30DU-3	Optical	1.38-3.08%	N/A	
C2M-PD1	Photoelect	1.90-3.8%	Magnet	7 Flashes 4 flashes
EDW1151A	Ionization	0.8%	MOD400R	Measure & compare to label
EWD2151A	Photoelect	1.8%	MOD400R	Measure & compare to label
EDW1400A	Ionization	1.5%	MOD400R	Measure & compare to label
EDW1451A	Ionization	1.5%	MOD400R	Measure & compare to label
EDW2400A	Photoelect	1.4%	MOD400R	Measure & compare to label
SD-2W	Photoelect	0.79-2.46%	N/A	Test meter not required
ESD-4WSJ	Photoelect	0.67-2.46%	N/A	Test meter not required
ESD-SJ	Photoelect	0.67-2.46%	N/A	Test meter not required
6249C	Ionization	0.5%-1.0%	N/A	Test Meter is Obsolete
6250C	Ionization	0.5%-1.0%	N/A	Test Meter is Obsolete
6264C-001	Ionization	0.58%-1.0%	N/A	Test Meter is Obsolete
6264C-005	Ionization	0.71%-2.08%	N/A	Test Meter is Obsolete
6269C	Photoelect	0.65%-2.0%	N/A	Test Meter is Obsolete
6270C	Photoelect	0.65%-2.0%	N/A	Test Meter is Obsolete
intelligent Devic	es			
Model	Type	Range	Tool	
SIGA-IS	Ionization	0.7-1.6%	On-screen	
SIGA-IPHS	Multisensor	1.0-3.5%	On-screen	
SIGA-PS	Photoelect	1.0-3.5%	On-screen	
SIGA-PHS	Multisensor	1.0-3.4%	On-screen	
SIGA-SD	Photoelect	0.79-2.46%	On-screen	
1251A	Ionization		On-screen	
1551A	Ionization		On-screen	
2251A	Photoelect		On-screen	
2551A	Photoelect		On-screen	

For devices not listed consult the device Manufacturer for Specifications or CFAA NEWS and TIPS at www.cfaa.ca



### Fire Alarm System Annual Inspection Report



### ADDITIONAL NODE OR TRANSPONDER TEST

Remote Node or Transponder Location:	BUILDING B SOUTHV	VEST ENTRA	NCE	
Remote Node or Transponder Identification:	NODE	#2		
		YES	NO	N/A
Control Unit has Control/	Display functions	Х		
A. Power On visual indicator operates.		Х		
B. Common visual trouble signal operates.		х		
C. Common audible trouble signal operates.	Ε	Х		
D. Trouble signal silence switch operates.	. [	Х		
E. Main power supply failure initiates trouble signal.		Х		
F. Ground fault tested on both positive and negative initiates trouble s	ignal.	х		
G. Alert signal operates.				Х
H. Alarm signal operates.		Х		
I. Automatic transfer from alert signal to alarm signal operates. (Auto	Evac)		2 200	Х
J. Manual transfer from alert signal to alarm signal operates. (Total E	vac)			Х
K. Automatic transfer from alert signal to alarm signal cancel switch o	perates. (AEC)			X
L. Alarm signal manual silence operates.		Х		
M. Alarm signal silence visual indication operates.	-7 TG 1 D	Х		
N. Alarm signals, when silenced, automatically reinitiates upon subse	quent alarm.	Х		
<ul> <li>O. Input circuit to output circuit operation, including ancillary device of program operation, as per design and specification, or documental Appendix C of CAN/ULC-S536.</li> </ul>		Х	F	12
P. Input circuit, alarm and supervisory operation, including audible an operates as intended.	d visual indication	Х		
S. Input circuit supervision fault causes a trouble indication.	[	Х	1700 1177	
T. Output circuit alarm indicators operate.	]			Х
U. Output circuit supervision fault causes a trouble condition.	[	Х		



### Fire Alarm System Annual Inspection Report



### ADDITIONAL NODE OR TRANSPONDER TEST - cont...

	1/20		
V. Coded signal sequences operate not less than the required number of times and the	YES	NO	N/A
correct alarm signal operates thereafter.			Х
W. Coded signal sequences are not interrupted by subsequent alarms.			Х
X. Fire alarm system reset operates.	Х		
Y. Main power supply to emergency power supply transfer operates.	Х		
Z. Input circuit designations correctly identified in relation to connected field devices.	Х		
AA. Output circuit designations correctly identified in relation to connected field devices.	Х	in the second	
BB. Correct designations for common control functions and indicators.			Х
CC. Plug-in components, modules and cables securely in place.	Х		
DD. Record the Date, revision and version of firmware/software program.  Date: Rev.: Ver.:	n my avelless		1 1 H 11 20
EE. Clean and free of dust and dirt.	Х		
FF. Fuses in accordance with manufacturers specifications.	Х	Miles Communication	
GG. Control unit/transponder lock functional.	Х		
HH. Termination points for wiring to field devices secure.	Х		
PRINTER TEST			
Printer Location:			
	YES	NO	N/A
<ul> <li>A. Operates per design and specification, or documentation as detailed in Appendix C,</li> <li>Description of Fire Alarm System for Inspection and Test procedures.</li> </ul>	The special		х
B. Zone of each alarm initiating device is correctly printed.		Gerrie -	Х
C. Rated voltage is present at printer.			Х



### Fire Alarm System Annual Inspection Report



### REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION

Х
Х
Х
Х
Х



### Fire Alarm System Annual Inspection Report



### STANDBY POWER SUPPLY TEST AND INSPECTION

Control Unit or Transponder Location:	BUILDING B SO	UTHWEST ENT	RANCE	ıš
Control Unit or Transponder Identification:	N	IODE #2	Call of 1	
A. Duration of Full Load Test as determined by occupancy per Cdn E	3ldg Code (0.08, 0.5	i, 1, 2 hrs)	0.5	Hours
B. Record battery type as recommended by the manufacturer.	Type: SLA \	/olt:24	Capacity:	18
C. Battery Voltage & Current - Power Off - Supervisory Condition	25.43 V	'dc	0.68	Amps
D. Battery Voltage & Current - Power Off - Full Load Alarm Condition	24.99 V	dc	1.40	Amps
E. Battery Voltage - Power Off - After Full Load Alarm Test	24.86 V	dc		
F. Battery Voltage & Current - Power On - After Full Load Alarm Tes	t <u>25.31</u> V	dc	0.28	Amps
G. Recorded calculated Amphour capacity (Per ULC-S536 Appendix	F4.1-C)		17.07	Amphr
H. Correct battery rating as determined by battery calculations based	d on full system load		YES	
I. Battery voltage is not less than 85% of its rated specification after	this test.		YES	
		YES	NO	N/A
J. Terminals clamped tightly, cleaned, and lubricated.		Х		16.55
K. Inspected for physical damage/electrolyte leakage.		Х		
L. Wet type batteries have correct electrolyte levels.				Х
M. Wet type battery specific gravity is within manufacturer's specifica	ation.			Х
N. Battery has adequate ventilation in an approved cabinet		X		
O. Battery in-service date recorded or manufacturer's date code		Date:	20	11
P. Disconnection causes a trouble indication		Х		
Q. Indicate type of battery test performed.  i) Required supervisory load for 24 hr - followed by the rii) A silent test by using the load resistor method (Per ULiii) Silent accelerated test (Per ULC-S536 Appendix F2) iv) A battery capacity meter test (Per ULC-S-536 Append v) Battery replaced annually having current date code ar as recommended by the Manufacturer	C-S536 Appendix Fix F3)	1)	X	12



### Fire Alarm System Annual Inspection Report



#### **VOICE COMMUNICATION TEST**

Indicate with 'X' if there is no voice communication system included within this node YES NO N/A A. Power On indicator operates. X B. Common visual trouble indicator operates. C. Common audible trouble signal operates. D. Trouble signal silence switch operates. X E. All-Call voice paging, including visual indicator, operates. F. Output circuits for selective voice paging, including visual indicator, operates. G. Output circuits for selective voice paging trouble operation, including visual indicator, operates. H. Microphone, including push to talk switch, operates. I. Operation of the voice paging system does not interfere with initial inhibit time of the fire alarm signal. J. All-Call voice paging operates on emergency power supply. (batteries) X K. Upon failure of one amplifier, system automatically transfers to back-up amplifier. L. Circuits for emergency telephone call-in, including audible and visual indicators, operate. M. Circuits for emergency telephone - two way voice communication operates. X N. Circuits for emergency telephone trouble operation, including visual indication, operates.

O. Emergency telephone operable (dial tone) or in use (busy tone) operate.



### Fire Alarm Annual Inspection Device Listings



BUILDING NAME: Winnipeg Transit - Fort Rouge Facility
BUILDING ADDRESS: 421 Osborne Street

INSPECTION DATE: November 13, 2014
INSPECTED BY: Andrew Fenstad

	_			_	_		-	_							
Location	De	evice	Address	Circuit Number	Sprinkler Waterflow Delay	Smoke Detector Sensitivity	Correctly Installed	Missing	Requires Service or Repairs	Active Operation Confirmed	Annunciation Confirmed	Ground Fault Confirmed	Supervision Confirmed	Decibel Level	Notes (See Summary Page)
BLDG A															
Sprinkler			19		Y			7							
lo Bay East Iso Valve	TS	Z012	01M047		=		Х			Х	Х				- α,
lo Bay Center Iso Valve	TS	Z012	01M017				Х			Х	Χ				1 4 1
LO BAY CENTER FLOW	FS	Z012	01M016	7	37	ji i	Х	9		Х	Χ				5.1
LO BAY EAST FLOW	FS	Z012	01M015	9	34	E 19	Х			Х	Х				
HI BAY EAST FLOW	FS	Z012	01M033		74	7	Х			Х	Х				
DUST COL. GLYCOL SYS ISO VALVE	TS	Z020	01M054	ii i	有	1	Х			Х	Х				- E 1
LO BAY WEST FLOW	FS	Z012	01M019		39		Х			Х	X				
LO BAY WEST ISO VLV	TS	Z012	01M020		1		Х			Х	Χ				3 9 1
TRAFFIC SRVS/COMM VLV BLDG A	TS	Z012	01M024	9			Х			Х	Χ	3			12. [
TRAFFIC SRVS/COMM FLOW BLDG A	FS	Z012	01M025		40		Х			Х	Χ				- X 1
DUST COL. GLYCOL SYS ISO VALVE	TS	Z020	01M055			16.	X			Х	X				1 5 1
HI BAY CENTRE ISO VALVE	TS	Z012	1M036				Х		W	Х	Χ				
HI BAY EAST ISO VALVE	TS	Z012	01M032		110	ď.	X			Х	X	7			
HI BAY WEST ISO VALVE	TS	Z012	1M039				Х	. 1		Х	X				
HI BAY CENTER FLOW	FS	Z012	1M035		49	THE .	Х			Х	X		- 5		
HI BAY WEST FLOW	FS	Z012	1M040		53		Х	1	T	Х	Χ				
HI BAY ISO VALVE	TS	Z012	01M043				Х			Х	Х				
LOW W./TRFC SRCS VLV	TS	Z012	01M046			-1	Х		H	Х	Х				
BRANDON MAIN FLOW	FS	Z021	01M042		36		Х			Х	Х				
BLDG B			1	-											

				×	×	Г	F	×		-	Ė	01D007	Z003	s	S.W OFFICE AREA
				X	×		$\vdash$	×			_	01D009	Z003	တ	S. CENTRE OFFICE AREA
				X	X		$\hat{\vdash}$	×				01D011	Z003	s	S.E OFFICE AREA
				×	×			×		_	_	01M002	Z003	×	S/E STAIR EXIT
				×	×		$\vdash$	×	<u> </u>	$\vdash$	F	01D021	Z017	S	TOP OF S/E STAIR
									-	$\vdash$	_				OFFICE SECOND FLOOR
				×	×		F	×	"	55	8	02L01M030	Z013	FS	TRACKS 25-36 SOUTH FLOW
				×	×		╞	×	٦	30	33	02L01M033	Z013	FS	TRACKS 25-36 NORTH FLOW
				×	×		╞	×	٣	93	29	02L01M029	Z013	Z,	TRACKS 13-24 SOUTH FLOW
	Г			×	×		f	×	۳	76	2	02L01M034	Z013	FS	TRACKS 13-24 NORTH FLOW
				×	×		F	×	۴	22	င္ထ	02L01M003	Z013	FS	SERVC BAY/B-SECT FLOW
	┪			×	×	-	F	×	۴	\$	18	02L01M007	Z013	FS	TRACKS 1-12 N. FLOW
	Г			×	×	_	Ĥ	×		121	2	02L01M004	Z013	FS	TRACKS 1-12 S. FLOW
				×	×		Ĥ	×	_		48	02L01M048	Z013	SI	WEST RISER ISO VLV
				×	×		Բ	×		H	49	02L01M049	Z013	TS	EAST/WEST ISO VLV
				×	×		┝	×	-		45	02L01M045	Z013	TS	EAST RISER ISO VLV
ТОО СОLD ТО ТЕЅТ								-		$\vdash$	36	02L01M036	Z013	TS	N/E HYDRANT ISO VALVE
				×	×		┝	×		_	47	02L01M047	Z013	TS	TRACKS 1-12 S ISO VALVE
				×	×		F	×		_	8	02L01M008	Z013	<b>TS</b>	TRACKS 1-12 N ISO VALVE
	Г			×	×			×	_		8	02L01M005	Z013	TS	SERVICE BAY ISO VALVE
				×	×	-	Ĥ	×	$\vdash$	_	50	02L01M050	Z013	TS	OSBORNE N MAIN ISO VLV
				×	×		<del> </del>	×		_	6	02L01M046	Z013	ST	TRACKS 13-24 N ISO VLV
				×	×	-	<u> </u>	×			35	02L01M035	Z013	SI	TRACKS 25-36 N ISO VLV
				×	×		Ê	×		_	43	02L01M043	Z013	TS	TRACKS 13-24 S ISO VLV
				×	×		Ĥ	×		_	4	02L01M044	Z013	TS	TRACKS 25-36 S ISO VLV
				×	×		Ĥ	×	$\vdash$	$\vdash$	31	02L01M031	Z013	TS	S.E. ISO VALVES BLDG B
			-	×	×		┝	×	$\vdash$	_	8	02L01M048	Z012	ΤS	BLDG B ISO VALVE
				×	×		Ĥ	×	"	<b>&amp;</b>	38	02L01M038	Z013	FS	OSBOURNE N MAIN FLOW
	П			×	×		Ĥ	×		21	39	02L01M039	Z013	FS	OSBOURNE S. MAIN FLW
Notes (See Summary Page)	Decibel Level	Supervision Confirmed	Ground Fault Confirmed	Annunciation Confirmed	Active Operation Confirmed	Requires Service or Repairs	Missing	Sensitivity  Correctly Installed	Smoke Detector	Sprinkler		Address	Device	De	Location

18 of 32

Location	De	Device	Address	Circuit Number	Sprinkler Waterflow Delay	Smoke Detector Sensitivity	Correctly Installed	Missing	Requires Service or Repairs	Active Operation Confirmed	Annunciation Confirmed	Ground Fault Confirmed	Supervision Confirmed	Decibel Level	Notes (See Summary Page)
S.W STAIR EXIT	s	Z003	01M003				×			×	×				
N.W. OFFICE AREA	S	Z003	01D008				×			×	×				
N CENTER OFFICE AREA	s	Z003	01D010				×			×	×				
N.E. OFFICE AREA	s	Z003	01D012				×			×	×				
PHOTOCOPY ROOM SECOND FLOOR	R	Z003	01D027				×			×	×				
ELEVATOR SHAFT	တ														D4
JANITOR CLOSET SECOND FLOOR	퐄	Z003	01D028				×			×	×				
OFFICE MAIN FLOOR															
MAIN ENTRANCE	3	Z002	01M001				×			×	×				
S.E. OFFICE AREA	s	Z002	01D001				×			×	×				
S CENTER OFFICE AREA	တ	Z002	01D002				×			×	×				
S.W. OFFICE AREA	s	Z002	01D003				×			×	×				
WEST VESTEBULE EXIT	M	Z002	01M012				×			×	×				
N.W. OFFICE AREA	တ	Z002	01D004				×			×	×				
N. CENTER OFFICE AREA	S	Z002	01D005				×			×	×				
N.E. OFFICE AREA	တ	Z002	01D006				×			×	×				
EAST OFFICE AREA	ဟ	Z002	01D035				×	_		×	×			_	
PHOTOCOPY ROOM MAIN FLR	퐄	Z002	01D025				×			×	×				
JANITOR CLOSET MAIN FLR	퐄	Z002	01D026				×			×	×				
OFFICE BASEMENT															
SOUTHEAST STAIR EXIT	3	Z001	01M004				×			×	×				
TIMEKEEPERS ROOM	တ	Z001	01D013				×			×	×				
ADMIN TUNNEL	s	Z001	01D033				×			×	×				
ADMIN TUNNEL	s	Z001	01D015				×			×	×				
ADMIN TUNNEL	s	Z001	01D034				×			×	×				
TUNNEL NORTH EXIT	3	Z001	01M011				×			×	×				
CAFETERIA N.E EXIT	3	Z001	01M010				×			×	×				
CAFETERIA N.W. EXIT	3	Z001	01M009				×	<u> </u>		×	×				
KITCHEN BACKROOM EXIT	s	Z001	01M008				×			×	×				

EXIT TO NEW ADDITION SW

EAST BLISTER HI BAY EAST S.E. BLISTER HI BAY EAST CHASS/DYNO EAST EXIT HI BAY CNT CHASS/DYNO WEST EXIT HI BAY CNT S.W. BLISTER EXIT HI BAY W WEST BLISTER EXIT HI BAY WEST CARPENTER SHOP EXIT LO BAY W

COLUMN AT HOIST 4 HI BAY EAST

20	
으	
32	

											Ĺ	ST				Ш											Ш	
3	ß	3	3	M	Z	s	M	3	s	s	s	M	M	s	s	DS	RHT	R	뫔	RHT	뫄	R	RHT	R 디	뫔	뫔	s	De
Z004	Z015	Z015	Z004	Z004	Z004	Z001	Z001	Z014	Z001	Device																		
01M088	01M029	01M031	01M030	01M034	01M041	01M037	01M038	01M045	01M021	01M028	01M018	01M014	01M013	01D037	01D036	01D031	01D017	01D016	01D023	01D024	01D030	01D018	01D019	01D032	01D022	01D014	01M007	Address
																												Circuit Number
																												Sprinkler Waterflow Delay
																												Smoke Detector Sensitivity
×	×	×	×	X	X	Х	X	X	×	×	X	X	X	X	X	X	X	×	X	X	X	X	X	X	X	×	X	Correctly Installed
	_																											Missing
																												Requires Service or Repairs
×	×	×	×	X	X	X	X	Х	Х	Х	X	X	X	X	X	×	×	X	X	X	X	Х	X	X	X	X	X	Active Operation Confirmed
×	×	×	×	×	×	X	X	X	×	X	×	X	X	×	X	×	×	×	×	×	×	×	X	×	×	X	×	Annunciation Confirmed
																												Ground Fault Confirmed
																									,			Supervision Confirmed
																												Decibel Level
																							:					Notes (See Summary Page)

STORES REVEIVING BAY LO BAY EAS

NORTH EXIT LOW BAY EAST

BUILDING A

CHIEF TIMEKEEPER'S OFFICE TIMEKEEPER'S STORAGE ROOM

NORTH STORES EXIT LO BAY CENTR

WEST VESTIBULE EXIT EAST VESTIBULE EXIT SF-1 SUPPLY FAN DUCT SMOKE

SIGN UP ROOM EAST

TELE/COMPUTER ROOM

SIGN UP ROOM WEST

ELEVATOR MACHINE ROOM SF1 MECHANICAL ROOM KITCHEN BACKROOM KITCHEN FRONT AREA KITCHEN STORAGE SF2 MECHANICAL RM

SOUTHWEST STAIR EXIT

Location

DISPATCH

Location	D	Device	Address	Circuit Number	Sprinkler Waterflow Delay	Smoke Detector Sensitivity	Correctly Installed	Missing	Requires Service or Repairs	Active Operation Confirmed	Annunciation Confirmed	Ground Fault Confirmed	Supervision Confirmed	Decibel Level	Notes (See Summary Page)
MAINTENANCE ADDITON WEST EXIT	Z	Z004	01M080				X			×	×				
MAINTENANCE ADDITION EAST EXIT	3	Z004	01M087				X			×	×				
NORTHEAST EXIT LOW BAY EAST	3	Z004	01M008				×			×	×				
TRAFFIC SERVICES															
LOADING DOCK EXIT	3	Z006	01M027				×			×	×				
LOOPS AND STOPS EXIT	s	Z005	01M023				X			×	×				
SOUTH OFFICE EXIT	s	Z005	01M026				X			×	×				
SOUTHEXIT	×	Z006	01M022				×			×	×				
METER REPAIR ROOM	×	Z006	01M044				×			×	×				
BUILDING B															
S.W VESTIBULE EXIT	Z	Z007	02L01M053				×			×	×				
SOUTHWEST EXIT	Z	Z007	02L01M001				×			×	×				
WEST EXIT BY MECH RM	S	Z007	02L01M002				×			×	×				
W. EXIT BY MECH ROOM	M	Z007	02L01M052				×			×	×				
WEST CENTRE EXIT	M	Z007	02L01M006				X			×	×				
NORTH WEST EXIT	М	Z007	02L01M009				×			×	×				
NORTHWEST DOOR	M	Z008	02L01M013				X			×	×				
NORTHEXIT	M	800Z	02L01M051				×			×	×				
WEST CENTRE DOOR	M	Z008	02L01M012				X			×	×				
SOUTH EAST DOOR	М	Z008	02L01M014				X			×	×				
TRACK 1 SOUTH DOOR	M	Z009	02L01M015				×			×	×				
TRACK 1 S. CNTRE DOOR TRACKS 1-12	M	Z009	02L01M041				×			×	×				
TRACK 1 N. CNTR DOOR TRACKS 1-12	3	Z009	02L01M016				×			×	×				
TRACK 1 NORTH EXIT TRACKS 1-12	Z	Z009	02L01M017				×			×	×				
TRACK 12 SOUTH DOOR TRACKS 1-12	8	Z009	02L01M018				×			×	×				
TRACK 13 SOUTH DOOR TRACKS 13-24	Z	Z010	02L01M019				×			×	×				
TRACK 13 CENTRE DOOR TRACKS 13-24	Z	Z010	02L01M20				×			×	×			Ш	
TRACK 13 NORTH EXIT	s	Z010	02L01M21						×						D3
TRACK 24 NORTH DOOR	3	Z010	02L01M026	L			×			×	×				

Location	De	Device	Address	Circuit Number	Sprinkler Waterflow Delay	Smoke Detector Sensitivity	Correctly Installed	Missing	Requires Service or Repairs	Active Operation Confirmed	Annunciation Confirmed	Ground Fault Confirmed	Supervision Confirmed	Decibel Level	Notes (See Summary Page)
TRACK 24 N.CENTRE DOOR	×	Z010	02L01M025				X			X	×				
TRACK 24 CENTRE DOOR	M	Z010	02L01M024				Х			×	×				
TRACK 24 S.CNTR DOOR	M	Z010	02L01M023						×						נם
TRACK 24 SOUTH DOOR	M	Z010	02L01M022						×						80
TRACK 25 SOUTH DOOR	M	Z011	02L01M040						×						D3
TRACK 25 NORTH EXIT	M	Z011	02L01M027				X			X	×				
TRACK 36 NORTH EXIT	M	Z011	02L01M037			-	X			X	×				
TRACK 36 SOUTH EXIT	×	Z011	02L0M028				X			X	×				
TRACK 36 CENTER N.E.	s	Z011	02L0M032					×							D2
TREASURY ROOM	3	Z007	02L0M010				X			x	×				
ELECTRICAL ROOM	RHT	Z007	02L0D003				X			X	×				
ELECTRICAL VAULT															D4
GAS UTILITY ROOM	R	Z007	02L01D007				X			×	×				
MECHANICAL ROOM	R	Z007	02L01D004				X			X	×				
TOP OF S/W STAIRS	s	Z019	02L01D005				X			X	×				
TUNNEL WEST END	s	Z007	02L01D001				X			X	×				
TUNNEL EAST END	s	Z007	02L01D002				×			×	×				
NORTHWEST SERVICE BAY	*	Z007	02L01M009				X			X	×				
HORNS/STROBES															
OFFICE HORNS 2ND FLR															
SECOND FLOOR EAST	I			2			X			×					
SECOND FLOOR WEST	I			2			X			×					
OFFICE HORNS MAIN FLOOR															
MAIN FLOOR EAST	Ξ			2			X			×					
MAIN FLOOR WEST	I			2			×			×					
OFFICE BASEMENT HORNS														Ĺ	
OUTSIDE MENS WASHROOM	Ξ			2			×			×					
KITCHEN FRONT AREA	I			2			×			×					
TRAINING ROOM	I			2			×			×					

Location	Device	Address	Circuit Number	Sprinkler Waterflow Delay	Smoke Detector Sensitivity	Correctly Installed	Missing	Requires Service or Repairs	Active Operation Confirmed	Annunciation Confirmed	Ground Fault Confirmed	Supervision Confirmed	Decibel Level	Notes (See Summary Page)
BOILER ROOM	н		2			×			×					
COMP/TELEPHONE ROOM	н		2			×			×					
CAFFETERIA EAST	н		2			×			×					
TUNNEL CENTER WEST WALL	н		2			×			×					
TRAFFIC SERVICES BLDG								L						
STORAGE AND HANDLING EAST	1		7			×		×	×					D6
METER DEPT	I		7			×		×	×					D6
SIGH STORES SOUTH WALL	I		7	L		×		×	×					D6
LOOPS AND ELECTRICAL CAGES W	I		7			×		×	×					D8
TECH SHOP	I		7			×		×	×					D6
GARAGE	I		7	L		×		×	×					D6
RADIO SHOP OFFICES	I		7			×		×	×					D6
RADIO SHOP OFFICES	EOL		7 .			×								
PAINT SHOP	I		5			×			×					
BUILDING A HORNS/STROBES														
HI BAY SOUTH WEST CORNER	I		4			×			×					
HI BAY SOUTH WEST CENTER	I		4			×	L		×					
HI BAY SOUTH EAST CENTER	I		4			×			×					
HI BAY SOUTH EAST CORNER	I		4			×			×		L			
CHASIS DYNO ROOM	<		<u> </u>			×			×		·			
HI BAY NORTH WEST CORNER	Ξ		4			×			×					
HI BAY NORTH WEST CORNER	EOL		4			×								
HI BAY NORTH WEST CENTER	Ξ		4			×		L	×					
HI BAY NORTH EAST CENTER	Ι		4			×			×					
HI BAY NORTH EAST CORNER	I		4			×		_	×					
PAINT SHOP MECH ROOM	Ξ		4			×			×					
PAINT BOOTH 1	I		5			×			×					
PAINT BOOTH 2	I		5			×			×					
PAINT BOOTH 3	I		6			×			×					

	H				×	Н	ř		Н	2			F	B SECTION NORTH
					×		×			2			I	SERVICE BAY SOUTH
					×		_	×		2			н	HALL OUTSIDE GAS UTILITY ROOM
					×	-	×			2			ı	SOUTH WEST ELECTRICAL ROOM
	_				<del>                                     </del>	┢	<u> </u>		_	2			EOL	SOUTH WEST ELECTRICAL ROOM
					×		×	_	-	2			Ŧ	SOUTH WEST MECH ROOM
	H				×	<del>-</del>	┝	×	H	2			I	SERVICE BAY SOUTH EAST
					×	┢	_	×	┡	2			I	SERVICE BAY NORTH EAST
					×		Ĥ	×	H	2			I	2ND FLR STAIRWELL
						$\vdash$	_							BUILDING B HORN/STROBES
					×		Ĥ	×	L	3			I	PARTS STORE WEST
	$\vdash$				×		┝	   	<u> </u>	ω			I	PARTS STORE EAST
					×		Ĥ	_ ×		ω			Ξ	TIRE STORES NORTH
					×		Ĥ	×	┝	-			Ξ	NEAR ADMIN EXIT
					×		Ĥ	×	_	-			I	ELECTRICAL TESTING SHOP EXIT
					×		×	_	_	4			I	ELECTRICAL TESTING SHOP WEST
					×		Ĥ	  ×	_	<u> </u>			٧	DIESEL FUEL SHOP
					×		Ĥ	×	_	4			I	LO BAY NORTH EAST
					×		_	×		4			I	LO BAY NORTH CENTER
					×		Ĥ	×		4			Ŧ	LO BAY NORTH WEST
DS					×	×	Ĥ	×		7			н	HALL TO TRAFFIC SERVICES
D6					×	×	_	×		7			I	LOCKER ROOM
	$\vdash$				×		Ĥ	  ×	L	ω			I	CARPENTER SHOP EAST
					×		Ĥ	×	-	ω			I	CARPENTER SHOP SOUTH
							Ĥ	×	-	ω			EOL	PAINT SHOP
							Ĥ	×		თ			EOL	PAINT SHOP
		<u> </u>			×		<u>×</u>	L	_	3			н	PAINT SHOP
,							Ĥ	×	L	6			EOL	OUTSIDE PAINT BOOTH 6
					×		×			6			Ξ	PAINT BOOTH 4
Notes (See Summary Page)	Decibel Level	Supervision Confirmed	Ground Fault Confirmed	Annunciation Confirmed	Active Operation Confirmed	Requires Service or Repairs	Missing	Sensitivity  Correctly Installed	Waterflow Delay Smoke Detector	Circuit Number Sprinkler	Address	Device	ō	Location

B SECTION SCHTER	Location	Dev	Device	Address	Circuit Number	Sprinkler Waterflow Delay	Smoke Detector Sensitivity	Correctly Installed	Missing	Requires Service or Repairs	Active Operation Confirmed	Annunciation Confirmed	Ground Fault Confirmed	Supervision Confirmed	Decibel Level	Notes (See Summary Page)
ORTIH H H 2 2 X X ORTIH H H EOL 3 X X X X X X X X X X X X X X X X X X	B SECTION CENTER	Ξ			2			×			×					
ORTH         H         3         X           ORTH         EOL         3         X           MIRNRTH         H         2         X           NENTER         H         3         X           COUTH CNT         H         3         X           NOTH         H         3         X           NOTH CNT         H         1         X           NOTH CNT         H         1         X           STH CNT         H         1         X           SOUTH         H         1         X           NORTH         H         X         X           N         X	B SECTION SOUTH	Ξ			2			×			×					
ORTH         EOL         3         X           MORTH         H         2         X           NOTH NETH         H         2         X           SENTER         H         3         X           SOUTH         H         3         X           OUTH ONT         H         1         X           NORTH         H         1         X           STHCNT         H         1         X           SOUTH         H         X         X           SOUTH         H         X         X           SOUTH         H         X         X           SOUTH         H         X         X           SOUTH         X         X           SOUTH         X         X	TRACKS 1-12 EAST WALL NORTH	Ξ.			3			×			×				_	
NOTH H H 2 2 X X X X X X X X X X X X X X X	TRACKS 1-12 EAST WALL NORTH	EOL			3			×								
NTR NRTH H 3 3 X X 2 NEWTER H 2 2 X X 2 NOUTH CNT H 3 3 X X X 2 NOUTH CNT H H 3 3 X X X 2 NOUTH H H 1 1 X X 1 NORTH H H X X 1 NORTH H X X X 1 NORTH H X X X 1 NORTH H X X X X X X X X X X X X X X X X X X	TRACKS 1-12 WEST WALL NORTH	н			2			×			×					
NONTH	TRACKS 1-12 EAST WALL CNTR NRTH	Ξ			ω			×			×					
OUTH CNT       H       3       X         OUTH       H       2       X         OUTH       H       1       X         NORTH       H       1       X         STH CNT       H       1       X         NORTH       H       1       X         SOUTH       H       1       X         SOUTH       H       1       X         SOUTH       H       X       X         SOUTH       X       X         X       X       X         X       X       X <td>TRACKS 1-12 WEST WALL CENTER</td> <td>Ξ</td> <td></td> <td></td> <td>2</td> <td></td> <td></td> <td>×</td> <td></td> <td></td> <td>×</td> <td></td> <td></td> <td></td> <td></td> <td></td>	TRACKS 1-12 WEST WALL CENTER	Ξ			2			×			×					
NONTH	TRACKS 1-12 EAST WALL SOUTH CNT	Ξ			3			×			×					
OUTH  NORTH  NORTH  H  H  1  X  STH CNT  H  H  1  X  SOUTH  H  H  1  X  X  X  X  X  X  X  X  X  X  X  X	TRACKS 1-12 WEST WALL SOUTH	Ξ			2			×			×					
NORTH H	TRACKS 1-12 EAST WALL SOUTH	Ι			3			×			×					
NTH CNT H X X STH CNT H H H 1 1 X X Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	TRACKS 13-24 WEST WALL NORTH	I			1			×			×	_				
STH CNT H H 1 X X NORTH H H H 1 X X NORTH H H H 1 X X X X X X X X X X X X X X X	TRACKS 13-24 WEST WALL NTH CNT	Ξ						×	_		×					
SOUTH H H H 1 1 X X Y X Y X Y X Y X Y X Y X Y X Y X	TRACKS 13-24 WEST WALL STH CNT	Ξ			1			×			×					
VORTH H 1 1 X X TITH CNTR H 1 1 X X STH CNTR H 1 1 X X X X X X X X X X X X X X X X X	TRACKS 13-24 WEST WALL SOUTH	I			1			×			×					
VITH CNTR       H       1       X         STH CNTR       H       1       X         SOUTH       H       1       X         NORTH       H       1       X         STH CNT       H       1       X         SOUTH       H       1       X         SOUTH       H       1       X         CORNER       H       1       X         EOL       1       X         H       1       X         H       1       X         CORNER       H       1       X         H       X       X         H       X       X         H       X       X         X       X         X       X         X       X         X       X         X       X         X       X         X       X         X       X         X       X         X       X         X       X         X       X         X       X         X       X         X       X <td>TRACKS 13-24 EAST WALL NORTH</td> <td>I</td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>×</td> <td></td> <td></td> <td>×</td> <td></td> <td></td> <td></td> <td></td> <td></td>	TRACKS 13-24 EAST WALL NORTH	I			1			×			×					
STH CNTR H 1 X X SOUTH H H 1 X X X X X X X X X X X X X X X X	TRACKS 13-24 EAST WALL NTH CNTR	Ι			_			×			×					
NORTH H H 1 X X NORTH CNR H 1 X X X X X X X X X X X X X X X X X X	TRACKS 13-24 EAST WALL STH CNTR	Ξ						×			×				_	
NORTH H 1 X X NTH CNR H 1 1 X X STH CNT H 1 1 X X SOUTH H 1 1 X X X X X X X X X X X X X X X X	TRACKS 13-24 EAST WALL SOUTH	I			1			×			×				_	
NTH CNR H 1 X STH CNT H H 1 1 X STH CNT H H 1 1 X X SOUTH H H 1 1 X X X X X X X X X X X X X X X	TRACKS 25-36 WEST WALL NORTH	Ξ			<u>-</u>			×	L		×				L	
STH CNT H 1 X SOUTH H H 1 1 X SOUTH H H 1 1 X X X X X X X X X X X X X X X	TRACKS 25-36 WEST WALL NTH CNR	I			-			×			×					
CORNER H H 1 X X X X X X X X X X X X X X X X X	TRACKS 25-36 WEST WALL STH CNT	Ξ						×			×					
CORNER H  EOL H  1 1 1 X  X X X X	TRACKS 25-36 WEST WALL SOUTH	Ξ			_			×			×				L	
CORNER H	TRACKS 25-36 NORTH EAST CORNER	Ξ			<u> </u>			×			×					
CORNER H H H A A A A A A A A A A A A A A A A	TRACKS 25-26 NORTH EAST	Ξ			_			×			×				_	
AST CORNER H	TRACKS 25-36 NORTH EAST	ĘĎ.	_		<u>-</u>			L	_						_	
T T	TRACKS 25-36 CENTER	Ξ			_			×	L.		×				<u> </u>	
x	TRACKS 25-36 SOUTH EAST	Ξ			_			×			×					
	TRACKS 25-36 SOUTH EAST CORNER	±			-			×	$oxed{\bot}$		×				╄	

Chubb Edwards 82 Terracon Place Winnipeg, MB R2J 4G7 Ph: 204 633 5248



#### **Emergency Lighting Annual Inspection Report**

GChubb EDWARDS

BUILDING NAME: Winnipeg Transit - Fort Rouge Facility	INSPECTION DATE: November 13, 2014
BUILDING ADDRESS: 421 Osborne Street	INSPECTED BY: Andrew Fenstad

Unit Location	Model #	Loading (Amps)	Battery Size	# of Bulbs	Remote Lamp Locations	Exit Sign Locations	AC Power (Y/N)	Load Test (Mins)	Charger Functional (Y/N)	Pass	Fail	Notes
ADMIN OFFICE AREA										_		
#45 - BOTTOM OF EAST STAIR	LITHONIA M618 120CS CSA	3.2	6V7.2AH	2			Y	30	Y	PASS		
#46 - BSMT COMPUTER ROOM	RG36	2.7	6V7.2AH	2			Y	30	Y	PASS		
#47 - BSMT BOILER ROOM	RG36		6V7.2AH	2			Y	30	Y	-	FAIL	D1
#114 - BSMT TRAINING RM	RG36		6V7.2AH	2		*****	Y	30	Y		FAIL	D1
#48 - BOTTOM OF WEST STAIR	LITHONIA M618 120CS CSA	2.7	6V7.2AH	2			Y	30	Y	PASS		
#049 - IN FRONT OF CANTEEN	LITHONIA M618 120CS CSA	2.7	6V7.2AH	2			Y	30	Y	PASS		
#50 - CAFE EXIT	RG36 W/EXIT SIGN	3.2	6V7.2AH	2		CAFÉ EXIT	Y	30	Y	-	FAIL	D1
#51 - DISPATCH OFFICE	EMERGILITE 6JML36R8	2.9	6V7.2AH	2			Y	30	Y	PASS		
#52 - TUNNEL TO STORAGE	LUMACELL RG36A	2.36	6V4.4AH	2			Y	30	Y	PASS		
#44 - MAIN FLR EAST STAIR	LUMACELL RG36A	2.36	6V4.4AH	2			Y	30	Y	PASS		
#115 - RECEPTION	LITHONIA M618 120CS CSA	3.2	6V7.2AH	2			Y	30	Y	PASS		
#42 - WEST STAIR MAIN FLR	LUMACELL RG38A	2.1	6V7AH	2			Y	30	Y	PASS		
#43 MISSING							i				~	N1
#128 MISSING												N1 .
#126 MISSING												N1
#119 - WEST STAIR 2ND FLR	LUMACELL RG36A	2.36	6V4.4AH	2			Y	30	Y	PASS		
#120 - EAST STAIR 2ND FLR	LUMACELL RG36A	2.36	6V4.4AH	2			Y	30	Y	PASS		
BUILDING B	-											
#106 - TRACK 36 SOUTH CORNER	M618	3	6V7AH	2			Y	30	Υ	PASS		
#107 - TRACK 36 SOUTH	M618	3	6V7AH	2		-	Y	30	Y		FAIL	D1
#108 - TRACK 36 SOUTH	M618	3	6V7AH	2			Υ	30	Y	PASS		
#109 - TRACK 36 SOUTH	M618	3	6V7AH	2			Y	30	Y	PASS		

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#### **Emergency Lighting Annual Inspection Report**

Chubb Edwards

**BUILDING NAME: Winnipeg Transit - Fort Rouge Facility** 

BUILDING ADDRESS: 421 Osborne Street

**INSPECTION DATE: November 13, 2014** 

INSPECTED BY: Andrew Fenstad

Unit Location	Model#	Loading (Amps)	Battery Size	# of Bulbs	Remote Lamp Locations	Exit Sign Locations	AC Power (Y/N)	Load Test (Mins)	Charger Functional (Y/N)	Pass	Fail	Notes
#110 - TRACK 36 NORTH	M618	3	6V7AH	2			Y	30	Y	PASS		
#111 - TRACK 36 NORTH	M618	3	6V7AH	2			Y	30	Y	PASS		
#112 - TRACK 36 NORTH	M618	3	6V7AH	2			Y	30	Y	Pass		
#113 - TRACK 36 NORTH CORNER	M618	3	6V7AH	2			Y	30	Y		Fail	D1
#105 - TRACK 25 NORTH CORNER	M618	3	6V7AH	2			Y	30	Y		Fai)	D1
#104 - TRACK 25 NORTH	M618	3	6V7AH	2			Y	30	Y	-	Feil	
#103 - TRACK 25 NORTH	M618	3	6V7AH	2			Y	30	Y	Pass		
#102 - TRACK 25 NORTH CENTRE												NOT TESTED
#101 - TRACK 25 SOUTH CENTRE	M618	3	6V7AH	2			Y	30	Y		Fail	
#100 - TRACK 25 SOUTH	M618	3	6V7AH	2			Y	30	Y	Pass		
#99 - TRACK 25 SOUTH	M618	3	6V7AH	2			Y	30	Y		Fail	D1
#98 - TRACK 25 SOUTH CORNER												NOT TESTED
#97 - TRACK 24 NORTH CORNER	M618	3	6V7AH	2			Υ	30	Y	Pass		
#96 - TRACK 24 NORTH	M618	3	6V7AH	2			Y	30	Y	Pass		
#95 - TRACK 24 NORTH CENTER	M618	3	6V7AH	2			Y	30	Y	Pass		-
#94 - TRACK 24 CENTER	M618	3	6V7AH	2			Y	30	Y	Pass		
#93 - TRACK 24 SOUTH CENTER	M618	3	6V7AH	2			Υ	30	Y	Pass		
#92 - TRACK 24 SOUTH	M618	3	6V7AH	2			Y	30	Υ	Pass		
#91 - TRACK 24 SOUTH CORNER	M618	3	6V7AH	2			Υ	30	Υ	Pass		
#90 - TRACK 13 NORTH CORNER	M618	3	6V7AH	2			Υ	30	Y		Fail	D1
#89 - TRACK 13 NORTH	M618	3	6V7AH	2	a.v.a.t		Y	30	Y	Pass		
#88 - TRACK 13 NORTH CENTER	M618	3	6V7AH	2			Υ	30	Y	Pass		
#87 - TRACK 13 SOUTH CENTER	M618	3	6V7AH	2			Y	30	Y	Pass		

Chubb Edwards 82 Terracon Place Winnipeg, MB R2J 4G7 Ph: 204 633 5248



#### **Emergency Lighting Annual Inspection Report**

Chubb Edwards

BUILDING NAME: Winnipeg Transit - Fort Rouge Facility

BUILDING ADDRESS: 421 Osborne Street

**INSPECTION DATE: November 13, 2014** 

INSPECTED BY: Andrew Fenstad

Heist continu		ling ps)	y e	of Bulbs			swer ()	rest (s)	ger onal			
Unit Location	Model #	Loading (Amps)	Battery Size	# of B	Remote Lamp Locations	Exit Sign Locations	AC Power (Y/N)	Load Test (Mins)	Charger Functional (Y/N)	Pass	Fail	Notes
#63 - B SECTION SOUTH CORNER	M618	3	6V7AH	2			Y	30	Y		FAIL	D1
#62 - SERVICE BAY NORTH	M618	3	6V7AH	2			Y	30	Y	PASS		
#61 - SERVICE BAY NORTH CENTER	M618	3	6V7AH	2			Y	30	Y		FAIL	D1
#80 - SERVICE BAY CENTER	M618	3	6V7AH	2			Y	30	Y	PASS		
#59 - SERVICE BAY SOUTH CENTER	M618	3	6V7AH	2			Y	30	Y	PASS	<del> </del>	
#58 - SERVICE BAY SOUTH	M618	3	6V7AH	2			Y	30	Y	PASS		
#57 - TREASURY												NOT TESTED
#56 - MECHANICAL ROOM												NOT TESTED
#S5 - GAS UTILITY ROOM	M618	3	6V7AH	2			Y	30	Y		FAIL	D1
#54 - ELECTRICAL ROOM												NOT TESTED
#53 - TUNNEL												NOT TESTED
#127 - STAIRWELL NEAR ELECTRICAL ROOM												NOT TESTED
BUILDING A							1					
TRAFFIC SERVICES												
#20 - SIGN STORES												NOT TESTED
#21 - SIGN FAB												NOT TESTED
#22 - STORAGE AND HANDLING EAST						<del></del>						NOT TESTED
#23 - STORAGE AND HANDLING WEST												NOT TESTED
24 - METER REPAIR												NOT TESTED
#25 - CLASSROOM							1					NOT TESTED
1017 - HALL TO TRAFFIC SERVICES	RG36	3	6V7.2AH	2			Y	30	Y		FAIL	D1
#116 - MENS WASHROOM BY TRAFFIC SERVICES	RG36	2.9	6V7.2AH	2			Y	30	Y	PASS		
#118 - HALL TO RADIO SHOP	RG36 W/EXIT SIGN	3.4	6V7.2AH	2		WITH UNIT	Y	30	Y		FAIL	D1





Automatic Sprinkler Systems

1 of 9

	As per i			tection Systems,	2008 Edition	ance or		
Date: I	Nov 17 2015	Inspector:	Ва	rt Dlugosz	Inspector SP/V	VFD #:	223/79	2
Property Name:	Winnipeg	Transit Fort	Rouge			2		
Tenant Name:	Building "E	3"						
Address:	421 Osborn	ne Street						
City:	Winnip	eg F	rovince:	МВ	Postal	Code: _		
Contact:	Alex Veche	rya			Phone:			
General								
Building		Building "B"	Track 25-36	8 North				
System Designa	ation	Track 25-36	North					
Location of sprir	nkler valve	North East V	alve Room					
Type of sprinkle	r system	XW	et	Dry	Deluge	[	Preactio	n
Is the building o	ccupied?					X Yes	No L	N/A
Is the system in	service?					X Yes	No L	N/A
The valve heade	er room(s) ap	pears to be ad	equately hea	ited?		X Yes	No L	N/A
The valve heade	er room(s) ha	ve a low-temp	erature alarm	1?		Yes	No 2	N/A
Is it known that t	the system(s)	is hydraulicall	y calculated?	?		Yes	X No	N/A
If yes, is hydraul						Yes	No 2	N/A
Is there a minim deflector?	ium of 18"clea	arance betwee	n storage/ob	structions and the	sprinkler	<b>x</b> Yes	No	N/A
Do all exterior o	penings appe	ear to be protec	cted from free	ezing?		<b>X</b> Yes	No	N/A
If a hand hose is	s part of the s	prinkler syster	n does it app	ear to be in good	condition?	<b>X</b> Yes	No	N/A
Confirm that the inspection?	building has	not undergone	e any alteration	ons/additions since	e the last	x Yes	No	N/A
Explain No Ansv	wers / Comm	ents: Syst	em appears	to be pipe sche	dule system.			
	5 (1997)	1						
Water Supply								<b>-</b>
Do reservoirs, ta						Yes	No 2	CN/A
(Water storage	tanks, private	fire service m	ains, etc. are	not covered unde	er this inspection.)			
Pumps (Fire Pu	ımp(s) are no	t cover <u>ed u</u> nde	er this inspec			_	_	
Is fire pump		Di	esel	Electric	Gasolin	е	<b>X</b> None	
When was pum	p last inspect	ed?						_
Does pump app	ear to be in g	ood condition?	?			Yes	No Z	N/A
Explain No Ansv	wers / Comm	ents:						



#### Automatic Sprinkler Systems 2 of 9 **Annual Inspection & Tests** Date: Nov 17 2015 Building "B" Track 25-36 North Location: Fire Department Connections (Section 13.7) This section is Not Applicable: FDC Location: S.E corner of building "B" Are identification signs provided and in place? Yes X No N/A The connections are visible and accessible? X Yes No N/A Couplings or swivels are not damaged and rotate smoothly? X Yes No N/A Plugs or caps are in place and undamaged? Yes No X N/A Gaskets are in place and in good condition? X Yes No N/A The check valve is not leaking? Yes No Х N/A The automatic drain valve is in place and appears to be working and in good condition? Yes No N/A The connection clapper(s) is in place and appears to be operating properly? X Yes No N/A Explain No Answers / Comments: Located on the street. There is a valve pit near FDC and was not inspected during this inspection. Fire department connection feeds building "B" eastside. General Condition, Inspected From Floor Level (Section 5.2) This section is Not Applicable: Sprinkler heads appear to be in good condition? (Not corroded, loaded, painted, damaged) X Yes No N/A Piping appears to be in good condition? (Not damaged, leaking, corroded, bent) X Yes No N/A Hangers or Braces appear to be in good condition? (Not damaged, loose, rusted, missing) X Yes No N/A Devices, valves and gauges appear to be in good condition? X Yes No N/A Is stock of spare sprinklers available along with appropriate sprinkler wrench(s)? Yes No N/A Explain No Answers / Comments: Sprinkler Testing (Section 5.3) This section is Not Applicable: All sprinklers installed have been manufactured after 1920? X Yes No N/A Standard response sprinklers are less than fity (50) years old? X Yes No N/A Fast response sprinklers are less than twenty (20) years old? Yes No X N/A Extra high (325 °F or higher) sprinklers have been tested at five (5) year intervals? Yes No X N/A Dry sprinklers are less than ten (10) years old? Yes No X N/A (Sprinklers that do not meet the above criteria are required to be replaced or representative samples from one or more sample areas shall be tested. Test procedures shall be repeated at various intervals as stated in NFPA 25) Explain No Answers / Comments:



## Automatic Sprinkler Systems

3 of 9

		Ar	nnuai ir	ispection & i	esis		
Date:	Nov 17 201	<u>5</u> Lo	ocation:	Building "B" T	rack 25-36 No	orth	
Gauges	(Section 5.3.2	)		This	s section is No	t Applicable	:
			(5) years or tes	ted every five (5) years by co	mparison with	a calibrated	gauge.
				ne full scale shall be recalibra			
	are less than fiv				2.0	Yes X	No N/A
Gauges	have been com	pared agains	st a calibrated g	auge and are within three (3)	) percent?	Yes	No X N/A
Gauges	have been repl	aced during t	his annual insp	ection?		Yes X	NoN/A
Explain	No Answers / C	omments:	Gauges date	ed 2009 (x2) Should be repl	laced.		
Main Dr	ain Test (Secti	ion 13.2.5)		This	s section is No		
(All read	lings should be	from the sup	ply pressure lov			This Yea	r Last
Record	the static water	supply press	ure with no flow	<i>i</i> .	Static PSI Before		
Open th	e main drain an	d allow water	flow to stabiliz	e. Record the pressure.	Residual PSI	65	
Close th	e main drain sl	owly. Record	I the pressure a	L. Garage Hare eters	Static PSI After	70	
What da	ate was the last	main drain te	est done?	2014 Size of	the Main Drain?	2"	
Explain	No Answers / C	comments:	Drain does	not handle test.			
Wet Sys	stem (Section	13.4)		This	s section is No	ot Applicable	e: 🔲
The gau	iges indicate no	rmal water pi	ressure is being	g maintained?	)	Yes	No N/A
Does al	arm valve appe	ar to be free	of physical dam	age?	)	Yes	No N/A
All trim	valves are in the	e appropriate	open or closed	position?	)	Yes	No N/A
The ala	rm drains are no	ot leaking?			)	Yes	No N/A
Wet sys	tem is equipped	d with a tail-e	nd anti-freeze s	system(s)?		Yes X	No N/A
Anti-free	eze solution rea	ding is at wha	at freezing poin	t?			
Anti-free	eze solution free	ezing point ap	pears to be sat	tisfactory?		Yes	No X N/A
Explain	No Answers / C	Comments:					
Wet Sy	stem Test Tabl	le for Wet Al	arm Valve	This	s section is N	ot Applicable	e:
Size	Make	Model	Serial #	Locatio	n of Inspector	rs Test	
6''	Reliable	E	7851	N	North OHD 26		
(Ensure	alarm company	y is notified to	o avoid false ala	arms.)			
Test ala	ırm valve water	flow alarm sv	witch by opening	g inspector's test valve.	120 psi	34 sec	70 psi
Wet Sy	stem Low-Wat	er-Pressure	Switch			_	
Is the w	et system equip	ped with a lo	w-water-pressu	re switch?		Yes X	No N/A
				ire slowly. Confirm operation			ord water
pressur	e at which low p	ressure swite	ch activated. C	lose drain test and pump sys			1
and res	tore to service.				Record pre		PSI
Explain	No Answers / C	Comments:	System Doe	es not have a Low Pressure	e switch. One	should be in	stalled.



Autom	atic Sprinkler	System	าร				4 of 9
		A	nnual Ir	nspection &	Tests		
Date:	Nov 17 2015	L	ocation:	Building "I	B" Track 25-36	North	
Alarm va every five Has the If Yes, w If No, wa	e (5) years unless	ociated s tests ind been co nspection ection do	trainers, filters, a icate a greater fi mpleted within the completed? one during this a	and restriction orfices sha requency is necessary. he last four (4) years? Unknown		internally Yes Yes	No
	tem Vane Type F				This section is	Not Applicab	ole: X
	er-now alarm by o Switch Zone Designa			nd record time that alarm n of Inspectors Test	Static PSI	Alarm Time	Residual PSI
	e North Main Inco			eader / Various	Static PSI	32s	Residual PSI
Does va All trim v The inte	e System (Section live appear to be frealives are in the appearmediate chamber card with the last the	ee of phy opropriate is not lea	e open or closed aking?		This section is the valve?	Yes Yes Yes Yes	No
Size	Make	Model	Serial #	Loc	ation of Inspec	tore Teet	
Size	IVIANE	WIOUEI	Geriai #	Loc	anon or maper	AUIS IESL	
Explain	No Answers / Com	nments:	y 1444				



#### Automatic Sprinkler Systems 5 of 9 **Annual Inspection & Tests** Date: Nov 17 2015 Location: Building "B" Track 25-36 North Dry System Low-Air-Pressure Switch Is the dry system equipped with a low-air-pressure switch? Yes No X N/A If Yes, close the water supply valve isolate quick opening device if one is present and carefully open drain test valve to reduce air pressure slowly. (Do not reduce air pressure sufficiently to trip the dry pipe valve.) Confirm operation of low pressure switch, record air pressure at which low pressure switch activated. Close drain test valve, allow air pressure to rise to normal, then slowly open quick opening device and water supply valve. Record pressure. **PSI** Explain No Answers / Comments: Dry Pipe System Trip Test Table This section is Not Applicable: Every three (3) years and whenever the system is altered, the dry pipe valve shall be trip tested with the control valve fully open and the quick-opening device, if provided in service. During the years when full flow testing is not required, the dry pipe valve shall be trip tested with the control valve partially open. Has the dry pipe valve been tripped with the control valve fully open in the last two (2) years. If yes, what year was the fully open trip test conducted? No N/A Yes If No, is the fully open trip test being conducted during this annual inspection? No Yes N/A Normal air pressure as per the Manufacturers recommendation PSI Water Air Time to Trip Point Time Water To Trip test the dry pipe valve. Record the time from opening PSI PSI Air PSI Trip Inspectors Test the inspectors test valve until the dry pipe valve trips. Did the valve and alarm operate properly? Yes No N/A Dry pipe valve interior appears clean and satisfactory? Yes No N/A Quick-opening device operated properly? Yes No N/A Is a sign provided at the dry pipe valve indicating the number of auxiliary drains and location of each auxiliary drain? No N/A Were all identified auxiliary drains drained during this inspection? Yes No N/A Air supply appears to be adequate? N/A Yes No Automatic air pressure maintenance device appears to operate properly? N/A Yes No Was the dry pipe valve filled with priming water after it was trip tested and reset? Yes No N/A Explain No Answers / Comments: Dry Pipe System Inspection (Section 13.4.4.1.6) This section is Not Applicable: Dry pipe valve strainers, filters, and restriction orfices shall be inspected internally every five (5) years unless tests indicate a greater frequency is necessary. Has the internal inspection been completed within the last four (4) years? No N/A If Yes, what year was the inspection completed? If No, was the internal inspection done during this annual inspection? N/A No Explain No Answers / Comments:



Automa	tic Spri	nkler System	IS				14.50			6 of	9
		A	nnual Ins	pecti	0	n & Te	sts				1
Date: _	Nov 17	2015 L	ocation:	- Е	Buil	ding "B" Trac	k 25-36 N	North	-TG		_
Preaction	/ Deluge	System				This se	ection is I	Not Appli	cable:	X	- 15
Does valve	e appear	o be free of phy	sical damage?					Yes	No	$\Box$	N/A
All trim val	ves are ir	the appropriate	open or closed pos	sition?				Yes	No	$\Box$	N/A
The valve	seat is no	t leaking?						Yes	No		N/A
The electr	ical comp	onents are in se	rvice?				i elle el	Yes	No		N/A
Size	Make	Model	Serial #	1		Strike Throug	jh What D	oes Not	Apply		
				Deluge		Preaction	Closed	Nozzles	Ope	en Noz	zles
Supervise	d Preact	ion Low-Air-Pre	essure Alarm								
Is the prea	ction sys	em equipped wi	th a low-air-pressur	e alarm?				Yes	No	$\Box$	N/A
If Yes, clos	se the wa	ter supply valve	and carefully open	drain test v	alv	e to reduce air	pressure	slowly.			
the state of the s			larm, record air pre				activation	. Close o	Irain		
test valve,	allow air	pressure to rise	to normal, then ope	n water su	opl	y valve.			1 7 11		PSI
Preaction	/ Deluge	System Trip T	est Table (13.4.3.2	.2.2)		This se	ection is l	Not Appl	icable:	Х	
			e trip tested annuall								
			rge cannot occur un								- 1
			cheduled shutdown rotecting freezers s				and the second s		ed 3		
		nto the piping in		nan be mp	les	teu iii a maiiii	er that doe	25 1101			PSI
			E 1001 FL			Duint d		n of wale		4:	
Water PSI	Air PSI	Trip Point Air PSI	Number of detector to trip Preaction		¹	Briet a	escriptio	n or valv	e opera	tion	_
7 177	100		to any monomo								
Did the valve and alarm operate properly?											
Were all n	nanual ac	tuation devices of	operated?				1	Yes	No	$\Box$	N/A
For deluge	e systems	did the water di	scharge pattern app	ear to be s	ati	sfactory?		Yes	No		N/A
Air supply	appears t	o be adequate?					Ī	Yes	No		N/A
Automatic	air press	ure maintenance	device appears to	operate pr	оре	erly?	ſ	Yes	No		N/A
Was the p	reaction v	alve filled with p	riming water after it	was trip te	ste	d and reset?	Ī	Yes	No		N/A
Explain No	Answers	comments:	<u> </u>	<u> </u>		art is a line				71	
Preaction	/ Deluge	System Mainte	enance (Section 13	3.4.3.1.7.1)		This se	ection is	Not Appl	icable:	Х	
Interior cle	aning and	d parts replacem	ent or repair shall b	e permitte							
without re completed			the valve cannot be	reset exte	rna	lly the cleaning	g, replace	ment or r	epair sh	all be	
			, thus the inspection	n is done d	urir	ng this inspecti	ion?	Yes	No		N/A
			us has the inspection					y 100 m yr			
			e inspection comple					Yes	No		N/A
			ne during this annu	_	n?	1.11	·	Yes	No		N/A
		s / Comments:		20			<u>.</u>	1			



Protection, Prevention, Perf	ormance.													
Automatic Sprinkler S	systems											7 c	of 9	
	An	nua	I Inspection	n 8	<u> </u>	Гes	ts							
Date: Nov 17 2015	Loc	ation: _	- Buil	lding	ı "B'	' Tracl	25-3	6 No	orth					_
Control Valves						11.5		11-11	7,19					
Are all control valves identif	ed?							Y	'es	Х	No		N/A	į.
Are all control valves locked	, sealed o	r equippe	ed with a supervisory sv	vitch'	?			X	'es		No		N/A	ı
Are all control valves in the	normal ope	en or clo	sed postion?					X	'es		No		N/A	i
Are all control valves free from	om externa	al leaks?						X Y	'es		No		N/A	i
During this inspection was e	ach contro	ol valve c	perated through its full	rang	e?			X	'es		No		N/A	
If applicable post indicator v								Y	'es		No	X	N/A	ĺ.
If applicable post indicator &	OS&Y va	lves were	e backed 1/4 turn from	fully	oper	n positi	on?	<b>X</b> Y	'es		No		N/A	ı
Control Valve Table														
Control Valve Function	# of Valves	Size	Type of Valve		Or	oen		Sec	urec	i		Sic	gns	
System control valve	1	6"	G.O.B	Х	Y		1 X	_		N	х	Y	,	N
Main Incoming North	1	8"	G.O.B	Х	Υ	1	1 X	Y		N		Υ	Х	N
Hydrant Iso	1	6"	G.O.B	Х	Υ	1	1 X	Y		N		Υ	х	N
					Υ		1	Y		N		Υ		N
					Υ	1	1	Y		N		Υ		N
					Υ	1	1	Υ		N		Υ		N
				15.50	Υ	1	1	Υ		N		Υ		N
					Υ	1	1	Y		N		Υ		N
					Υ	1	1	Y		N		Υ		N
					Υ	1	1	Υ		N		Υ		N
Backflow Prevention Asse	mblies (S	ection 1	3.6)	Т	his	sectio	n is N	lot A	ilgg	cabl	e:	Х		
All backflow preventers insta	alled in fire	protection	on system piping shall b									е	1	
following:	ho oondua	tod at the	a avetam damand inclu	. al: a a	b						la carla			
<ol> <li>A forward flow test shall inside hose stations are local</li> </ol>	ated downs	stream of	e system demand, inclu f the backflow prevente	iaing r.	nos	e strea	m ae	mano	a, wr	iere	nyara	ants	or	
(2) A backflow performance					ction	, shall	be co	nduc	cted a	at the	e cor	nple	tion	
of the forward flow test.										-			1029	
For backflow preventers size the test outlet is of a size to				ptab	le to	condu	ct wit	hout	mea	surin	ig flo	W, W	here	9
Where connections do not p				ed at	the	maxim	um fl	ow ra	ate po	ossik	ole.			
Connections do exist to peri							Γ		es.		No		N/A	
A forward flow test was cond				se s	trea	m?	F		es		No		N/A	
The forward flow test results			10 IT				F		es		No		N/A	
If no connections are availal						possi	ole?		es		No		N/A	
Was there a way of measuri									'es		No		N/A	
What flow rate was measure	177							_			I		The section of	

No

Was the backflow preventer tested with a separate report to check for no backflow?



## Automatic Sprinkler Systems

8 of 9

Date:	Nov 17 2015 Location: Building "B" Track 25-36 North	
Obstr	ruction Investigation (Section 14.2.1)	
An ins	spection of piping and branch line conditions shall be conducted every five (5) years by opening a flushing	ng
conne	ection at the end of one main and by removing a sprinkler toward the end of one branch line for the purp	ose of
	ecting for the presence of foreign organic and inorganic material.	
	visual obstruction investigation of piping been conducted within the last four (4) years? Yes X Ns, what year was the investigation completed? Unknown	N/A
If No, v	was the visual obstruction investigation conducted during this annual inspection?	lo X N/A
		lo X N/A
		lo X N/A
Explair	in No Answers / Comments: Unknown when last Obstruction invesitgation was done and should	Ŀ
be do	one.	
	the property of the second of	
	iencies (As per NFPA 25 - 2008)	
The sy	system has the following deficiencies that should be reviewed with the authority having jurisdiction to determine	ermine
if corre	rections should be made. D1. Obstruction investigation of piping should be done every 5 years	•
D2	Internal Inspection of alarm valve and components should be done every 5 years.	
D3	Gauges are older then 5 years and should be replaced.	
D4	All system control valves should be identified and "keep open" signs should be installed.	
D5	Fire department connection should have a identification sign.	
D6		
D7 -		
D8		
D9		
D10		
D11 -	. The second of	
D12	19972 19 19 19 19 19 19 19 19 19 19 19 19 19	7.7
D13	The 12 february and the 12 and th	
D14		
D15		
D16	and the second of the second o	
D17		
D18		
D19		
D20		
D21		
D22 -		
D23 -	The state of the s	
-	(Use back of page if further room is needed)	
	(Ose back of page if fulfiler footil is fleeded)	



## Automatic Sprinkler Systems

9 of 9

		Ailliaai III3	pection & rests
Date: _	Nov 17 2015	Location:	Building "B" Track 25-36 North
We recom and are p	rovided for information	based on this annual inspo on only. Corrections of the	ection and test. These recommendations are not deficiencies ese recommendations are dependent on the owner or authority
l			
		should be installed to proper to the proper to the proper to better handle	
R4.	illis silould be clea	ned out to better nandle	drain test.
R5.			
R6.			
R7.			
R8.			
R9			ge if further room is needed)
access, co			e building (monitoring company, special codes, keys
Unable to	confirm a lot of th	e Deficiencies previousl	y written up due to low lighting.
whether of failure, and and condit confirmation change of	operational test insp r not the system med d any subsequent dation of equipment at on that system install occupancy.	ets current code or standa amage or loss consequent actual time of testing. Ow	e a review or analysis of the system design to determine and s. BDR Services Ltd. is not responsible for any equipment stial or direct. BDR Services Ltd. is merely verifying operation are responsible for system installation, maintenance and et any time there are alterations, additions, renovations and
Inspector:			Inspection Date: Nov 17 2015
Licence SI	P/WFD #: 223/79	2	Owner Representative:
Signature:	Band		Signature:



## Automatic Sprinkler Systems

1 of 9

As	• No. 10 (1997)		e Inspection, Testi etection Systems,			ance of		
Date: Nov 17 2	2015 Inspe	ector: Ba	rt Dlugosz	Inspec	tor SP/W	/FD#:	223/7	92
Property Name: Winn	ipeg Transit				100			
Tenant Name: Buildin	g "B"							
Address: 421 Os	borne Street							
City: Wi	nnipeg	Province:	MB		Postal	Code:		
1.50	echerya			Phone	: <u> </u>			
General							ulei -	
Building	Building	g "B" Service Ba	у	4 9				
System Designation	Service	Bay						
Location of sprinkler valv	e South V	Vest corner of bu	uilding in Maintena	ance Bay	/	-11		-
Type of sprinkler system	7	<b>C</b> Wet	Dry		Deluge		Preacti	on
Is the building occupied?						<b>X</b> Yes	No	N/A
Is the system in service?						<b>X</b> Yes	No	N/A
The valve header room(s	s) appears to l	oe adequately hea	ated?			X Yes	No	N/A
The valve header room(s	s) have a low-	temperature alarn	n?			Yes	No	X N/A
Is it known that the syste	m(s) is hydrau	ulically calculated	?			Yes	X No	N/A
If yes, is hydraulic inform	ation sign pro	vided at valve(s)?	>		1	Yes	No	X N/A
Is there a minimum of 18 deflector?	3"clearance be	etween storage/ob	structions and the	sprinkler	M	<b>x</b> Yes	No	N/A
Do all exterior openings	appear to be p	protected from fre	ezing?			<b>X</b> Yes	No	N/A
If a hand hose is part of Confirm that the building inspection?	•	•				x Yes	No No	N/A N/A
Explain No Answers / Co	omments:	System appears	s to be pipe sched	ule syste	em.			
						1 51	E	
Water Supply								
Do reservoirs, tanks, or	oressure tank	s appear to be in	good condition?		vi [	Yes	No	X N/A
(Water storage tanks, pr				r this insr	L nection )			
				tine mop	,000,071.,7			
Pumps (Fire Pump(s) ar Is fire pump	e not covered	Diesel	Electric		Gasoline	. [	X None	
When was pump last ins	nected?				10000			
Does pump appear to be	•	lition?				Yes	No	X N/A
Explain No Answers / Co					,			
LAPIGIT TO A HOHOTO FOR								



Automotic Sprinkler Systems		0
Automatic Sprinkler Systems		2 of 9
Annual Inspection & Tests		
Date: Nov 17 2015 Location: Building "B" Service	Bay	
Fire Department Connections (Section 13.7) This section is	s Not Appli	cable:
FDC Location: Across the street of 520 Brandon street	91"	
Are identification signs provided and in place?	Yes	X No N/A
The connections are visible and accessible?	X Yes	No N/A
Couplings or swivels are not damaged and rotate smoothly?	X Yes	No N/A
Plugs or caps are in place and undamaged?	Yes	X No N/A
Gaskets are in place and in good condition?	X Yes	No N/A
The check valve is not leaking?	Yes	No X N/A
The automatic drain valve is in place and appears to be working and in good condition?	Yes	No X N/A
The connection clapper(s) is in place and appears to be operating properly?	X Yes	No N/A
Explain No Answers / Comments: Located on the street. There is a valve pit near F	DC and wa	as not
inspected during this inspection. Fire department connection feeds building "A" an	d westside	of building
"B". FDC is missing ONE 2.5" cap.		
General Condition, Inspected From Floor Level (Section 5.2)  Sprinkler heads appear to be in good condition? (Not corroded, loaded, painted, damaged)  Piping appears to be in good condition? (Not damaged, leaking, corroded, bent)  Hangers or Braces appear to be in good condition? (Not damaged, loose, rusted, missing)  Devices, valves and gauges appear to be in good condition?  Is stock of spare sprinklers available along with appropriate sprinkler wrench(s)?  Explain No Answers / Comments:	X Yes	No         N/A           No         N/A           No         N/A           No         N/A           No         N/A           No         N/A
Sprinkler Testing (Section 5.3)  This section is	s Not Appli	cable:
All sprinklers installed have been manufactured after 1920?	<b>X</b> Yes	No N/A
Standard response sprinklers are less than fity (50) years old?	X Yes	No N/A
Fast response sprinklers are less than twenty (20) years old?	Yes	No X N/A
Extra high (325 °F or higher) sprinklers have been tested at five (5) year intervals?	Yes	No X N/A
Dry sprinklers are less than ten (10) years old?	Yes	No X N/A
(Sprinklers that do not meet the above criteria are required to be replaced or representativ	e samples i	
more sample areas shall be tested. Test procedures shall be repeated at various intervals	1.5	
Explain No Answers / Comments:		apparation occupies application in
· La 19-11 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15		



Auton	natic Sprinkl	er System	S				3 of 9	
	•	1. <del>75</del> .00		nspection & 1	<b>Tests</b>			
Date:	Nov 17 201		ocation:	-	B" Service Bay			
Gauges	(Section 5.3.2	?)		Th	is section is Not A	pplicable:	5 105	
100		97.0.	(5) years or tes	sted every five (5) years by		a construit of the second	uge.	
				he full scale shall be recalib			ŭ	
_	are less than fi					es X N	o N/A	
				gauge and are within three (	3) percent? Y	es N	o X N/A	
Gauges	have been rep	laced during t	his annual insp	ection?	Y	es X N	o N/A	
Explain	No Answers / C	Comments:	Gauges dat	ed 2009 (x2) Should be re	placed.			
Main D	rain Test (Sect	ion 13.2.5)		Th	is section is Not A			
(All read	lings should be	from the sup	ply pressure lo	wer gauge)		This Year	Last	
Record	the static water	supply press	ure with no flov	٧.	Static PSI Before	70		
				e. Record the pressure.	Residual PSI	69		
				fter gauge has stabilized.	Static PSI After	70		
What da	ate was the last	main drain te	est done?	2014 Size o	of the Main Drain?	2"		
Explain	No Answers / C	Comments:	Drain does	not handle test.				
The gau Does ala All trim The ala Wet sys Anti-free	Wet System (Section 13.4) The gauges indicate normal water pressure is being maintained? Does alarm valve appear to be free of physical damage? All trim valves are in the appropriate open or closed position? The alarm drains are not leaking? Wet system is equipped with a tail-end anti-freeze system(s)? Anti-freeze solution reading is at what freezing point?  Anti-freeze solution freezing point appears to be satisfactory?  This section is Not Applicable:  X Yes No N/A  N/A  X Yes No N/A  X Yes No N/A							
Explain	No Answers / C	Comments:						
Wet Sys	stem Test Tab				is section is Not A			
Size	Make	Model	Serial #	Locati	on of Inspectors T	est		
8''	Grinnell	Α	N/A	N.E c	orner of service ba			
(Ensure	alarm compan	y is notified to	avoid false ala	arms.)			Residual PSI	
Test ala	rm valve water	flow alarm sv	vitch by opening	g inspector's test valve.	120 psi   3	36 sec	70 psi	
Is the we	•	pped with a lo valve to reduc	w-water-pressu e water pressu	re switch? re slowly. Confirm operatio lose drain test and pump sy	n of low pressure s			
•	ore to service.				Record pressur		PSI	
	No Answers / C	Comments:	System Doe	es not have a Low Pressur				



#### Automatic Sprinkler Systems 4 of 9 **Annual Inspection & Tests** Date: Nov 17 2015 Location: **Building "B" Service Bay** Wet System Inspection (Section 13.4.1.2) This section is Not Applicable: Alarm valves and their associated strainers, filters, and restriction orfices shall be inspected internally every five (5) years unless tests indicate a greater frequency is necessary. Has the internal inspection been completed within the last four (4) years? If Yes, what year was the inspection completed? If No, was the internal inspection done during this annual inspection? Explain No Answers / Comments: Unknown when last wet system inspection was and should be done. Wet System Vane Type Flow Alarms This section is Not Applicable: X Test water-flow alarm by opening inspector's test and record time that alarm registers. Flow Switch Zone Designation Location of Inspectors Test Static PSI Alarm Time Residual PSI Dry Pipe System (Section 13.4.4) X This section is Not Applicable: Does valve appear to be free of physical damage? Yes No N/A All trim valves are in the appropriate open or closed position? Yes No N/A The intermediate chamber is not leaking? Yes No N/A A tag or card with the last trip date and who conducted the test is attached to the valve? Yes No N/A Size Make Model Serial # **Location of Inspectors Test** Explain No Answers / Comments:



#### Protection, Prevention, Performance, Automatic Sprinkler Systems 5 of 9 **Annual Inspection & Tests** Date: Nov 17 2015 Location: Building "B" Service Bay Dry System Low-Air-Pressure Switch No X N/A Is the dry system equipped with a low-air-pressure switch? Yes If Yes, close the water supply valve isolate quick opening device if one is present and carefully open drain test valve to reduce air pressure slowly. (Do not reduce air pressure sufficiently to trip the dry pipe valve.) Confirm operation of low pressure switch, record air pressure at which low pressure switch activated. Close drain test valve, allow air pressure to rise to normal, then slowly open quick opening device and water supply valve. Record pressure. PSI. Explain No Answers / Comments: Dry Pipe System Trip Test Table This section is Not Applicable: Every three (3) years and whenever the system is altered, the dry pipe valve shall be trip tested with the control valve fully open and the guick-opening device, if provided in service. During the years when full flow testing is not required, the dry pipe valve shall be trip tested with the control valve partially open. Has the dry pipe valve been tripped with the control valve fully open in the last two (2) years. If yes, what year was the fully open trip test conducted? N/A Yes No If No, is the fully open trip test being conducted during this annual inspection? Yes No N/A Normal air pressure as per the Manufacturers recommendation PSI **Time Water To** Water Air Time to Trip Point Trip test the dry pipe valve. Record the time from opening PSI PSI Trip Air PSI Inspectors Test the inspectors test valve until the dry pipe valve trips. Yes No N/A Did the valve and alarm operate properly? Dry pipe valve interior appears clean and satisfactory? Yes No N/A Quick-opening device operated properly? Yes N/A No Is a sign provided at the dry pipe valve indicating the number of auxiliary drains and location of each auxiliary drain? No N/A Were all identified auxiliary drains drained during this inspection? N/A Yes No Air supply appears to be adequate? Yes No N/A Automatic air pressure maintenance device appears to operate properly? Yes No N/A Was the dry pipe valve filled with priming water after it was trip tested and reset? Yes N/A No Explain No Answers / Comments: Dry Pipe System Inspection (Section 13.4.4.1.6) This section is Not Applicable: Dry pipe valve strainers, filters, and restriction orfices shall be inspected internally every five (5) years unless tests indicate a greater frequency is necessary. Has the internal inspection been completed within the last four (4) years? No N/A If Yes, what year was the inspection completed? If No, was the internal inspection done during this annual inspection? N/A Explain No Answers / Comments:



Protectio	n. Preven	non. re	rrormance						
Automa	Automatic Sprinkler Systems 6 of 9								
			A	nnual Ins	pectio	n & Te	sts		
Date:	Nov 17	2015		ocation:	•	Building "B" S			
Preaction	ı / Deluge	Syste	em			This se	ection is Not Applicable: X		
				sical damage?		11110 01		N/A	
				open or closed pos	sition?			N/A	
	seat is n		58 8 1 1 1 1 1 1 1 1					N/A	
			s are in ser	vice?			Yes No	N/A	
Size	Make	$\neg$	Model	Serial #	<u> </u>	Strike Through	gh What Does Not Apply		
	-				Deluge	Preaction	Closed Nozzles Open Noz	zzles	
Supervis	ed Preac	tion Lo	ow-Air-Pre	ssure Alarm					
				h a low-air-pressur	e alarm?		Yes No	N/A	
				and carefully open		e to reduce air	pressure slowly		
							activation. Close drain		
test valve	, allow air	pressu	ure to rise t	to normal, then ope	n water supp	ly valve.	Indiana, and the first of	PSI	
Preaction	n / Deluge	Syst	em Trip T	est Table (13.4.3.2	.2.2)	This se	ection is Not Applicable: X		
		-					instructions. Where		
							shutdown, a full flow		
				cheduled shutdowr rotecting freezers s			ency shall not exceed 3		
				the freezer.	nan be trip te	sted in a manin	er that does not	PSI	
Water	Air	Trin	p Point	Number of detector	ors required	Brief d	escription of valve operation		
PSI	PSI		ir PSI	to trip Preactio		Brief G	ecomption of varve operation		
							N-1, 1 15	11 "	
Did the va	alve and a	larm o	perate pro	perly?			Yes No	N/A	
			devices o				Yes No	N/A	
				scharge pattern app	pear to be sat	isfactory?	Yes No	N/A	
			adequate?			×7=	Yes No	N/A	
				device appears to	operate prop	erlv?	Yes No	N/A	
				riming water after it		•	Yes No	N/A	
	lo Answer			0	- 1 - 1 4 1				
				nance (Section 13	243171)	This s	ection is Not Applicable: X		
	the second secon	-					ears for valves that can be reset	'	
	-				•		g, replacement or repair shall be	2 48°	
191	d annually								
				, thus the inspection		-		N/A	
				us has the inspection		within the last			
3 0 0		-		inspection comple				N/A	
				ne during this annu	al inspection?	?	Yes No	N/A	
Explain N	xplain No Answers / Comments:								





### Automatic Sprinkler Systems

7 of 9

Date: <b>Nov 17 2015</b>	Loc	ation: _	E	Build	ing '	'B''	Serv	rice	Вау	9					_
Control Valves															
Are all control valves identifie	d?								Y	es	X	No		N/A	8
Are all control valves locked,	sealed or	equippe	d with a supervisory sw	itch?	)				Y	es	X	No		N/A	X.
Are all control valves in the normal open or closed postion?  X Yes No N/A															
Are all control valves free from external leaks?															
During this inspection was each control valve operated through its full range?  X Yes No N/A															
If applicable post indicator va	lves were	opened	until spring tension was	s felt	?				Y	es		No	X	N/A	ğ
If applicable post indicator &	OS&Y va	lves were	e backed 1/4 turn from	fully (	open	pos	sition	? 🕽	<b>(</b> Y	es		No		N/A	8
Control Valve Table															
Ocatas I Volum Franction	# of	0:	Towns of Malos		0				C				C:		
Control Valve Function System control valve	Valves 1	Size 8"	Type of Valve OS+Y	х	Y	en	N	х	Y	ured	N	Х	Y	gns	N
Glycol System ISO	2	2"	Ball Valve	x	Y		N	^	Y	х	N	^	Y	х	N
Glycol Gystelli 130			Dan varvo	^	Y		N		Y	_	N		Y	^	N
					Y	To the	N		Y		N		Y		N
					Y		N		Y		N		Y		N
					Y		N		Y		N		Y		N
					Y		N		Υ		N		Y		N
					Υ		N		Υ		N	-	Υ		N
					Υ		N		Υ		N		Υ		N
					Υ		N		Υ		N		Υ		N



## Automatic Sprinkler Systems

8 of 9

Date:	Nov 17 2015	Location:	Building "B" Service Bay
An inconnections of the second	ection at the end of one ecting for the presence of visual obstruction invests, what year was the investigation obstruction investigation obstruction investigation of this years results a sin No Answers / Comm	pranch line conditions so e main and by removing of foreign organic and in tigation of piping been of restigation completed? tion investigation condi- tigation results appears a further flushing invest	conducted within the last four (4) years? Yes X No N/A
The s	rections should be mad	g deficiencies that should be. D1. Obstruction	ald be reviewed with the authority having jurisdiction to determine investigation of piping should be done every 5 years.
D2 D3		of alarm valve and cor on 5 years and should	nponents should be done every 5 years.
D4			ified and "keep open" signs should be installed.
D5		nection should have	
D6			e 2.5" cap and should be replaced.
D7	All valves should be	equiped with supervi	sory tamper switch to monitor valve in open position.
D8			
D9		N. I	
D10			
D11	1 1 1	The file of the second	the state of the s
D12			at profetor-up. I as in the entering
D13	***		and Market Brown B
D14		and the second	ente ele et en la companya de la companya della companya de la companya della com
D15			THE PARTY AND A SECOND SECOND
D16	-		
D17			
D18			
D19			
D20			
D21			
D22			The state of the s
D23			
		(Use back of	page if further room is needed)



## Automatic Sprinkler Systems

9 of 9

		Ailliuai II	ispection & rests
Date:		Location:	Building "B" Service Bay
We re	are provided for information	pased on this annual in only. Corrections o	inspection and test. These recommendations are not deficiencies of these recommendations are dependent on the owner or authority
I	-		
R2. R3.	Low pressure switch s		
R3. R4.	Drains should be clear	led out to better nar	ndle drain test.
R5.			
R6.			
R7.			
R8.			
R9.			
Recor	ral Notes rd any pertinent informations, confined space, etc.) em monitored by Protele	on here with respect to	f page if further room is needed) o the building (monitoring company, special codes, keys
This is whether failure and confirm	er or not the system meet , and any subsequent dar ondition of equipment at a	ts current code or sta mage or loss consequations otual time of testing.	clude a review or analysis of the system design to determine ndards. BDR Services Ltd. is not responsible for any equipment uential or direct. BDR Services Ltd. is merely verifying operation Owner is responsible for system installation, maintenance and e met any time there are alterations, additions, renovations and
nspec	ctor: Bart Dlugosz		Inspection Date: Nov 17 2015
_icenc	e SP/WFD #: 223/792	?	Owner Representative:
Signat	ure: Bandi		Signature:





## Automatic Sprinkler Systems

1 of 9

## **Annual Inspection & Tests**

As per NFPA 25, Standard for the Inspection, Testing, and Maintenance of

	[50]	Water-Based F	ire Protection System	ns, 2008 Edition	
Date:	Nov 17 2015	Inspector:	Bart Dlugosz	Inspector SP/W	/FD#: <b>223/792</b>
Property Name:	Winnipeg	Transit Fort Roug	je		
Tenant Name:	Building "B	3"			
Address:	421 Osborn	ne Street			
City:	Winnip	eg Provin	ce: MB	Postal	Code:
Contact:	Alex Veche	rya		Phone:	
General					
Building		Building "B" Trac	k 13-24 South		
System Designa	ation	Track 13-24 south	1		
Location of sprir	nkler valve	South East Valve	Room		
Type of sprinkle	er system	<b>X</b> Wet	Dry	Deluge	Preaction
Is the building o	ccupied?				X Yes No N/A
Is the system in	service?				X Yes No N/A
The valve head	er room(s) ap	pears to be adequa	tely heated?		X Yes No N/A
The valve head	er room(s) ha	ve a low-temperatu	re alarm?		Yes No X N/A
Is it known that	the system(s)	) is hydraulically cald	culated?		Yes X No N/A
		n sign provided at va			Yes No X N/A
Is there a minim deflector?	num of 18"cle	arance between sto	rage/obstructions and t	he sprinkler	X Yes No No N/A
Do all exterior o	penings appe	ear to be protected f	rom freezing?		X Yes No N/A
			es it appear to be in goo	od condition?	X Yes No N/A
			alterations/additions si		X Yes No N/A
Explain No Ans	wers / Comm	ents: System a	ppears to be pipe scl	nedule system.	
Water Supply	anks or pros	euro tanke annear te	o be in good condition?		Yes No X N/A
800			etc. are not covered ur	25	
				ider tille illepeditori.)	
Is fire pump	ump(s) are no	ot covered under this Diesel	Electric	Gasoline	e X None
When was pum	np last inspect	ted?		9	
Does pump app	pear to be in g	good condition?			Yes No X N/A
Explain No Ans	wers / Comm	ents:			



#### Automatic Sprinkler Systems 2 of 9 **Annual Inspection & Tests** Date: Nov 17 2015 Location: Building "B" Track 13-24 South Fire Department Connections (Section 13.7) This section is Not Applicable: S.E corner of building "B" FDC Location: Are identification signs provided and in place? X No Yes N/A The connections are visible and accessible? X Yes No N/A Couplings or swivels are not damaged and rotate smoothly? Yes No N/A Plugs or caps are in place and undamaged? X Yes No N/A Gaskets are in place and in good condition? X Yes No N/A The check valve is not leaking? Yes No X N/A The automatic drain valve is in place and appears to be working and in good condition? Yes No X N/A The connection clapper(s) is in place and appears to be operating properly? X Yes No N/A Explain No Answers / Comments: Located on the street. There is a valve pit near FDC and was not inspected during this inspection. Fire department connection feeds building "B" eastside. General Condition, Inspected From Floor Level (Section 5.2) This section is Not Applicable: Sprinkler heads appear to be in good condition? (Not corroded, loaded, painted, damaged) X Yes No N/A Piping appears to be in good condition? (Not damaged, leaking, corroded, bent) X Yes No N/A Hangers or Braces appear to be in good condition? (Not damaged, loose, rusted, missing) X Yes No N/A Devices, valves and gauges appear to be in good condition? X Yes No N/A Is stock of spare sprinklers available along with appropriate sprinkler wrench(s)? Yes N/A Explain No Answers / Comments: Sprinkler Testing (Section 5.3) This section is Not Applicable: All sprinklers installed have been manufactured after 1920? X Yes No N/A Standard response sprinklers are less than fity (50) years old? X Yes No N/A Fast response sprinklers are less than twenty (20) years old? Yes No X N/A Extra high (325 °F or higher) sprinklers have been tested at five (5) year intervals? X N/A Yes No Dry sprinklers are less than ten (10) years old? No X N/A (Sprinklers that do not meet the above criteria are required to be replaced or representative samples from one or more sample areas shall be tested. Test procedures shall be repeated at various intervals as stated in NFPA 25) Explain No Answers / Comments:



Protect	ion Prevention.	Performance								
Autom	Automatic Sprinkler Systems 3 of 9									
	Annual Inspection & Tests									
Date:	Nov 17 201	<u>5</u> L	ocation:	Building "B"	Track 13-24 Sout	h				
Gauges	(Section 5.3.2	2)		Ti	nis section is Not	Applicable:				
	Gauges shall be replaced every five (5) years or tested every five (5) years by comparison with a calibrated gauge.									
Gauges	Gauges not accurate to within three (3) percent of the full scale shall be recalibrated or replaced.  Gauges are less than five (5) years old?  Gauges have been compared against a calibrated gauge and are within three (3) percent?  Yes  No  No  N/A									
Gauges	have been rep	laced during	this annual insp	ection?		Yes X N	o N/A			
Explain	No Answers / C	comments:	Gauges dat	ed 2009 (x2) Should be re	placed.					
Main Dr	ain Test (Sect	ion 13.2.5)		Th	nis section is Not					
			ply pressure lo			This Year	Last			
			sure with no flow		Static PSI Before	70				
				e. Record the pressure.	Residual PSI Static PSI After	69 70				
	te main drain si			after gauge has stabilized.  2014 Size o	of the Main Drain?	2"				
	No Answers / C			not handle test. Should b						
	stem (Section				nis section is Not	Annlicable:				
			ressure is being			Yes N				
	-		of physical dam			Yes No	$\vdash$			
	100.00		open or closed		х	Yes N	o N/A			
The alar	m drains are no	ot leaking?			X	Yes N	o N/A			
Wet sys	tem is equipped	d with a tail-e	nd anti-freeze s	system(s)?		Yes X N	o N/A			
Anti-free	ze solution rea	ding is at wh	at freezing poin	t?						
Anti-free	ze solution free	ezing point ap	opears to be sat	tisfactory?		Yes N	o X N/A			
Explain I	No Answers / C	comments:								
	V 000 000000 000									
	tem Test Tabl				nis section is Not					
Size 8"	Make Grinnell	Model A	Serial # N/A		on of Inspectors  South wall Track					
			o avoid false ala				esidual PSI			
				g inspector's test valve.		1m14s	70 psi			
Wet Svs	tem Low-Wate	er-Pressure	Switch							
•			w-water-pressu	re switch?	- []	Yes X N	o N/A			
				re slowly. Confirm operation			d water			
		ressure swite	ch activated. C	lose drain test and pump sy	24					
	ore to service.	8			Record pressu		PSI			
Explain I	No Answers / C	omments:	System Doe	es not have a Low Pressu	re switch. One sh	ould be inst	alled.			



Automatic Sprinkler Sy	ystems				4 of 9
	Annual I	nspection &	<b>Tests</b>		
Date: Nov 17 2015	Location:	Building "E	3" Track 13-24	South	F-11-2504
Wet System Inspection (Secondary Alarm valves and their associated every five (5) years unless tea Has the internal inspection be If Yes, what year was the inspection of No, was the internal inspection of No, was the internal inspection of No, was the internal inspection.	iated strainers, filters, sts indicate a greater feen completed within to pection completed? tion done during this a	and restriction orfices sha frequency is necessary. the last four (4) years?  Unknown		internally  Yes  Yes	K No
Wet System Vane Type Flor			his section is	Not Applicat	ole: X
Test water-flow alarm by ope Flow Switch Zone Designation		nd record time that alarm	Static PSI	Alarm Time	Residual PSI
		is SUGS how 8 was a feet of the form			
		The second			
			10 10 1		
150.75.95	halman are		vis enside	Hay a 1 d	fue'r
Dry Pipe System (Section 1 Does valve appear to be free All trim valves are in the appro The intermediate chamber is A tag or card with the last trip	of physical damage? opriate open or closed not leaking?	I position?	This section is the valve?	Not Applical Yes Yes Yes Yes Yes	ble: X N/A N/A N/A N/A N/A N/A N/A
	odel Serial#	•	ation of Inspec		
Explain No Answers / Comme	ents:		1431 2		



Trocetoon, Frevention, Ferromanice.									
Automatic Sprinkler Systems	10 T S		5 of 9						
Annual Inspection & Tests									
Date: Nov 17 2015 Location:	Building "B" Track 13-24 S	South							
Dry System Low-Air-Pressure Switch									
Is the dry system equipped with a low-air-pressure switch?		Yes	No X N/A						
If Yes, close the water supply valve isolate quick opening of drain test valve to reduce air pressure slowly. (Do not reduce.) Confirm operation of low pressure switch, record a activated. Close drain test valve, allow air pressure to rise device and water supply valve.  Explain No Answers / Comments:	ice air pressure sufficiently to trip to the pressure at which low pressure	the dry pipe switch	PSI						
Dry Pipe System Trip Test Table Every three (3) years and whenever the system is altered, fully open and the quick-opening device, if provided in service the dry pipe valve shall be trip tested with the control valve Has the dry pipe valve been tripped with the control valve (2) years. If yes, what year was the fully open trip test conditions in the fully open trip test being conducted during this	ice. During the years when full flo partially open. ully open in the last two lucted?	ed with the c w testing is n	ontrol valve not required,						
If No, is the fully open trip test being conducted during this	annual inspection?	Yes _	No N/A						
Normal air pressure as per the Manufacturers recommend	ation	L	PSI						
Trip test the dry pipe valve. Record the time from opening the inspectors test valve until the dry pipe valve trips.	Water Air Time to PSI PSI Trip	Trip Point Air PSI	Time Water To Inspectors Test						
Did the valve and alarm operate properly?	_	Yes	No □N/A						
Dry pipe valve interior appears clean and satisfactory?		Yes	No N/A						
Quick-opening device operated properly? Is a sign provided at the dry pipe valve indicating the numb location of each auxiliary drain?	er of auxiliary drains and	Yes	No N/A No N/A						
Were all identified auxiliary drains drained during this inspe	ection?	Yes	No N/A						
Air supply appears to be adequate?	9 -	Yes	No N/A						
Automatic air pressure maintenance device appears to ope	erate properly?	Yes	No N/A						
Was the dry pipe valve filled with priming water after it was	trip tested and reset?	Yes	NoN/A						
Explain No Answers / Comments:									
Dry Pipe System Inspection (Section 13.4.4.1.6)	This section is	Not Applica	ble: X						
Dry pipe valve strainers, filters, and restriction orfices shall indicate a greater frequency is necessary.			The second secon						
Has the internal inspection been completed within the last	four (4) years?	Yes	No N/A						
If Yes, what year was the inspection completed?  If No, was the internal inspection done during this annual in	nspection?	Yes	No N/A						
Explain No Answers / Comments:									



-								
Automa	itic Spr	inkler System	ıs				6 of 9	
Annual Inspection & Tests								
Date: _	Nov 17	2015 L	ocation:	Bu	ilding "B" Trac	k 13-24 South	M.L. van (1,44)	
Preaction	ı / Delug	e System			This se	ection is Not Applica	able: X	
Does valv	e appear	to be free of phy	sical damage?			Yes	No N/A	
All trim va	lves are i	n the appropriate	open or closed pos	sition?		Yes	No N/A	
The valve	seat is n	ot leaking?				Yes	No N/A	
The electi	rical comp	oonents are in se	rvice?			Yes	No N/A	
Size	Make	Model	Serial #		Strike Throug	h What Does Not A	pply	
				Deluge	Preaction	Closed Nozzles	Open Nozzles	
Supervis	ed Preac	tion Low-Air-Pre	essure Alarm					
Is the prea	action sys	stem equipped wi	th a low-air-pressur	e alarm?		Yes	No N/A	
			and carefully open o					
						activation. Close dra		
test valve	, allow air	pressure to rise	to normal, then ope	n water supp	oly valve.		PSI	
			est Table (13.4.3.2			ection is Not Applica	able: X	
						instructions. Where		
						shutdown, a full flow ency shall not exceed		
			rotecting freezers sl				3	
		into the piping in		102104	- num př. – – n	milija Deneserija i i	PSI	
Water	Air	Trip Point	Number of detector	rs required	Brief d	escription of valve	operation	
PSI PSI Air PSI to trip Preaction system								
		I						
Did the va	alve and a	larm operate pro	perly?			Yes	No N/A	
Were all r	nanual ad	ctuation devices o	perated?			Yes	No N/A	
For delug	e systems	s did the water dis	scharge pattern app	ear to be sa	tisfactory?	Yes	No N/A	
Air supply	appears	to be adequate?				Yes	No N/A	
Automatic	air press	sure maintenance	device appears to	operate prop	erly?	Yes	No N/A	
Was the p	reaction	valve filled with p	riming water after it	was trip test	ed and reset?	Yes	No N/A	
Explain N	o Answer	s / Comments:			21 r.lh L	Claure Con 13	200 F	
Preaction	ı / Deluge	e System Mainte	nance (Section 13	.4.3.1.7.1)	This se	ection is Not Applica	able: X	
			•	•		ars for valves that ca		
without re completed			the valve cannot be	reset extern	ally the cleaning	g, replacement or rep	air shall be	
-			, thus the inspection	n is done dur	ing this inspecti	on? Yes	No N/A	
			us has the inspectio				[	
			e inspection comple		A.	Yes	No N/A	
000 D B			ne during this annua		?	Yes	No N/A	
Explain N	Explain No Answers / Comments:							





### Automatic Sprinkler Systems

7 of 9

## anual Increation & Tacto

Annual inspection & rests													
Date: Nov 17 2015	Loc	ation: _	Buil	lding	"B"	Track 1	3-24	So	uth				
Control Valves									here's to			44	
Are all control valves identified?								Y	es X	No		N/A	
Are all control valves locked, sealed or equipped with a supervisory switch?								K Y	es	No		N/A	
Are all control valves in the normal open or closed postion?									N/A				
Are all control valves free from external leaks?													
During this inspection was each control valve operated through its full range?  X Yes No N/A													
If applicable post indicator va								_\Y	es	No	X	N/A	
If applicable post indicator &	OS&Y va	ves were	e backed 1/4 turn from	fully	open	position	1? 2	K Y	es	No		N/A	
Control Valve Table										_			
Control Valve Function	# of Valves	Size	Type of Valve		Op	en		Sec	ured		Si	gns	
System control valve	1	8"	OS+Y	Х	Υ	N	Х	Υ	l N	Х			Ν
Main Incoming	1	8"	G.O.B	Х	Υ	N	Х	Υ	N	X	Y		N
South Valve room Iso	1	8"	G.O.B	Х	Υ	N	X	Υ	N		Y	Х	Ν
					Υ	N		Υ	l N		Y		N
					Υ	N		Υ	l N		Y		N
			1,75		Υ	N	C -	Υ	N	,	Y		N
					Υ	N		Υ	N	_	Υ		N
					Υ	N		Υ	N	_	Y		N
					Υ	N		Υ	N	_	Υ		N
					Υ	N		Υ	N		Y		N
Backflow Prevention Asser All backflow preventers instal						section annually					<b>X</b>		
following:		protocti	on eyetem piping enam			رس				100			
(1) A forward flow test shall b					hos	e stream	ı der	nand	d, where	e hyc	Irants	or	
inside hose stations are locat (2) A backflow performance t					ction	chall h	0 001	nduc	ted at t	ho c	amala	ation	
of the forward flow test.	esi, as re	quired b	y the authority having jo	urisur	Clion	, Silali Di	e coi	luuc	icu ai i	ile C	Jilibi	Stion	
For backflow preventers size	d 2" and ւ	under a f	orward flow test is acce	eptab	le to	conduct	t with	out	measu	ing f	low, v	where	е
the test outlet is of a size to fl	and the state of t			- 1 - 1						:1-1-			
Where connections do not pe	ermit a fui	I flow tes	st, test snall be complet	ed at	tne	maximu	m fic	_	_	_		7	
Connections do exist to perm							_		es _	No		N/A	
A forward flow test was condi		(50)	10 (100)			n?	-		es _	No		N/A	
The forward flow test results		•					_		es _	No		N/A	
If no connections are available				n flow	rate	possible	e? _		es _	No		N/A	
Was there a way of measuring							L		es	No		N/A	
What flow rate was measured					_ , -	1		$\neg$		٦		T	
Was the backflow preventer t	ested wit	n a sepa	rate report to check for	no b	ackt	IOW?	L		L	No	, <u> </u>	N/A	



## Automatic Sprinkler Systems

8 of 9

Date:		Location:	Building "B" Track 13-24 South
An instance on the connection of the connection	ection at the end of one meeting for the presence of frisual obstruction investigate, what year was the investigated was the visual obstruction investigated on this years results a full in No Answers / Commer	anch line conditions ain and by removing the conditions of the condition of piping been atigation completed in investigation con ation results appear anther flushing investing investing investing the condition investing invest	n conducted within the last four (4) years? Yes X No N/A
DC GC	80.8	- 10 cm²	The second secon
1.7			13 1162
The s	ections should be made.	eficiencies that she	ould be reviewed with the authority having jurisdiction to determine on investigation of piping should be done every 5 years.  Demponents should be done every 5 years.
D3	Gauges are older then		
D4			ntified and "keep open" signs should be installed.
D5	Fire department conne	ction should have	e a identification sign.
D6			
D7			
D8			
D9	28	<u> </u>	
D10			
D11	12 11 - 5 7 Hz W H		
D12 D13		V - 12 - 3 3 3 5 1 - 1 -	
D13			
D15			
D16			LINE TOOLS PROJECT CONTROL OF THE PROPERTY OF
D17		1 - 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
D18		-	
D19			
D20			The state of the second of the
D21			
D22		ī i	Section 1 in Eq. 388
D23			
		(Use back	of page if further room is needed)



	W
BDR	SERVICES LTD
Protection	n. Prevention. Performance

## Automatic Sprinkler Systems

9 of 9

	Annual mopostion a rooto						
Date:	N	ov 17 2	015	Location:	Building "B"	Track 13-24 South	
We re		nd the f		on only. Corrections of		e recommendations are not deficiencies are dependent on the owner or authority	
					prevent false alarms.		
	Drains	should	be clea	ned out to better han	dle drain test.		
R4.							
R5.							
R6.							
R7. R8.							
R9.							
13.				(Use back of	page if further room is ne	eeded)	
Recor acces	s, confi	ertinent ned spa	ce, etc.)	ion here with respect to	the building (monitoring	company, special codes, keys	
This is whether failure and confirm change	er or no e, and ar ondition mation t e of occ	rational t the sys ly subse of equip nat syst upancy	stem me equent da oment at em insta	ets current code or star amage or loss consequ actual time of testing.	ndards. BDR Services Ltd lential or direct. BDR Ser Owner is responsible for e met any time there are a	of the system design to determine d. is not responsible for any equipment vices Ltd. is merely verifying operation system installation, maintenance and alterations, additions, renovations and	
Inspec	_	Bart Dlu			Inspection Date:	Nov 17 2015	
Licenc	e SP/M	FD #:	223/79	2	Owner Represent	ative:	
Signat	ture:	32	-01		Signature:		





Automatic Sprinkler Systems

1 of 9

## **Annual Inspection & Tests**

As per NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, 2008 Edition

Water-Based Fire Protection Systems, 2008 Edition								
Date: I	Nov 17 2015	Inspector:	Bart Dlugosz	_ Inspector SP/W	FD#:	223/792		
Property Name:		Transit Fort Rouge			1			
Tenant Name:	Building "B	3"						
Address:	421 Osborn	ne Street						
City:	Winnip	eg Provinc	ce: MB	Postal	Code: _			
Contact:	Alex Veche	rya		Phone :				
General								
Building		Building "B" Tracl						
System Designa	ation	Track 25-36 South						
Location of sprir	nkler valve	South East Valve	Room			_		
Type of sprinkle	r system	X Wet	Dry	Deluge	_ [	Preaction		
Is the building o	ccupied?			=-	<b>X</b> Yes	No N/A		
Is the system in	service?				X Yes	No N/A		
The valve head	er room(s) ap	pears to be adequate	ely heated?		X Yes	No N/A		
The valve head	er room(s) ha	ve a low-temperature	e alarm?		Yes	No X N/A		
Is it known that	the system(s)	is hydraulically calc	ulated?	Ĺ	Yes	X No N/A		
		n sign provided at va		<u> </u>	Yes	No X N/A		
Is there a minim deflector?	num of 18"clea	arance between stor	age/obstructions and the	e sprinkler	<b>x</b> Yes	No N/A		
Do all exterior o	penings appe	ear to be protected from	om freezing?		X Yes	No N/A		
			s it appear to be in good alterations/additions sinc		x Yes	No N/A		
Explain No Ans	wers / Comm	ents: Svstem at	ppears to be pipe sche	dule system.				
			,					
Water Supply				г				
			be in good condition?	L	Yes	No X N/A		
	350.5		etc. are not covered unde	er this inspection.)				
Pumps (Fire Pulls fire pump	ump(s) are no	ot covered under this  Diesel	inspection.) Electric	Gasoline	. [	<b>K</b> None		
When was pum	p last inspect	ed?			<u></u>			
Does pump app	51				Yes	No X N/A		
Explain No Ans	wers / Comm	ents:						
1								



### Automatic Sprinkler Systems

2 of 9

Date: Nov 17 2015 Location: Building "	B" Track 25-36 Sou	th	4 S -		_
Fire Department Connections (Section 13.7)	This section is Not	Appli	cable:		
FDC Location: S.E corner of building "B"					
Are identification signs provided and in place?		Yes	X No		N/A
The connections are visible and accessible?	Х	Yes	No		N/A
Couplings or swivels are not damaged and rotate smoothly?	Х	Yes	No		N/A
Plugs or caps are in place and undamaged?	X	Yes	No		N/A
Gaskets are in place and in good condition?	X	Yes	No		N/A
The check valve is not leaking?		Yes	No	X	N/A
The automatic drain valve is in place and appears to be working and in goo	od condition?	Yes	No	Х	N/A
The connection clapper(s) is in place and appears to be operating properly	? X	Yes	No		N/A
Explain No Answers / Comments: Located on the street. There is a v	alve pit near FDC a	nd wa	s not	100	
inspected during this inspection. Fire department connection feeds b	uilding "B" eastsid	е.			
General Condition, Inspected From Floor Level (Section 5.2)	This section is Not	Appli	cable:		
Sprinkler heads appear to be in good condition? (Not corroded, loaded, paint	ed, damaged) X	Yes	No		N/A
Piping appears to be in good condition? (Not damaged, leaking, corroded, ber		Yes	No		N/A
Hangers or Braces appear to be in good condition? (Not damaged, loose, ru		2000	No	-	N/A
Devices, valves and gauges appear to be in good condition?		Yes	No	-	N/A
Is stock of spare sprinklers available along with appropriate sprinkler wren	ch(s)?	Yes	No		N/A
Explain No Answers / Comments:					7
	134 134 154 174	117			
		7 T			1
Sprinkler Testing (Section 5.3)	This section is Not	Appli	cable:		
All sprinklers installed have been manufactured after 1920?	x	Yes	No		N/A
Standard response sprinklers are less than fity (50) years old?	х	Yes	No	-	N/A
Fast response sprinklers are less than twenty (20) years old?	ed to dop to the	Yes	No	Х	N/A
Extra high (325 °F or higher) sprinklers have been tested at five (5) year in	tervals?	Yes	No	Х	N/A
Dry sprinklers are less than ten (10) years old?		Yes	No		N/A
(Sprinklers that do not meet the above criteria are required to be replaced	or representative sai	nples	from one	or	
more sample areas shall be tested. Test procedures shall be repeated at	various intervals as s	tated i	in NFPA .	25)	
Explain No Answers / Comments:					



#### Automatic Sprinkler Systems 3 of 9 **Annual Inspection & Tests** Date: Nov 17 2015 Location: Building "B" Track 25-36 South Gauges (Section 5.3.2) This section is Not Applicable: Gauges shall be replaced every five (5) years or tested every five (5) years by comparison with a calibrated gauge. Gauges not accurate to within three (3) percent of the full scale shall be recalibrated or replaced. Gauges are less than five (5) years old? N/A Yes X No Gauges have been compared against a calibrated gauge and are within three (3) percent? No Yes N/A Gauges have been replaced during this annual inspection? X No Yes N/A Explain No Answers / Comments: Gauges dated 2009 (x2) Should be replaced. Main Drain Test (Section 13.2.5) This section is Not Applicable: This Year (All readings should be from the supply pressure lower gauge) Last Static PSI Before 70 Record the static water supply pressure with no flow. 65 Open the main drain and allow water flow to stabilize. Record the pressure. Residual PSI Close the main drain slowly. Record the pressure after gauge has stabilized. Static PSI After 70 What date was the last main drain test done? 2014 Size of the Main Drain? 2" Explain No Answers / Comments: Drain does not handle test. Wet System (Section 13.4) This section is Not Applicable: The gauges indicate normal water pressure is being maintained? X Yes No N/A Does alarm valve appear to be free of physical damage? Yes No N/A All trim valves are in the appropriate open or closed position? X Yes No N/A The alarm drains are not leaking? No N/A Yes Wet system is equipped with a tail-end anti-freeze system(s)? No N/A Anti-freeze solution reading is at what freezing point? No X N/A Anti-freeze solution freezing point appears to be satisfactory? Yes Explain No Answers / Comments: There is no tail end anti freeze on system. Wet System Test Table for Wet Alarm Valve This section is Not Applicable: Size Make Model Serial # Location of Inspectors Test Grinnell N/A North OHD 25 (Ensure alarm company is notified to avoid false alarms.) Static PSI | Alarm Time Residual PSI 70 psi 125 psi Test alarm valve water flow alarm switch by opening inspector's test valve. 34 sec Wet System Low-Water-Pressure Switch Yes X No Is the wet system equipped with a low-water-pressure switch? If Yes, open drain test valve to reduce water pressure slowly. Confirm operation of low pressure switch, record water pressure at which low pressure switch activated. Close drain test and pump system up to normal pressure PSI and restore to service. Record pressure. Explain No Answers / Comments: System Does not have a Low Pressure switch. One should be installed.



#### Automatic Sprinkler Systems 4 of 9 **Annual Inspection & Tests** Nov 17 2015 Building "B" Track 25-36 South Date: Location: Wet System Inspection (Section 13.4.1.2) This section is Not Applicable: Alarm valves and their associated strainers, filters, and restriction orfices shall be inspected internally every five (5) years unless tests indicate a greater frequency is necessary. Has the internal inspection been completed within the last four (4) years? X No N/A If Yes, what year was the inspection completed? If No, was the internal inspection done during this annual inspection? N/A Explain No Answers / Comments: Unknown when last wet system inspection was and should be done. Х Wet System Vane Type Flow Alarms This section is Not Applicable: Test water-flow alarm by opening inspector's test and record time that alarm registers. Flow Switch Zone Designation Location of Inspectors Test Static PSI Alarm Time Residual PSI Dry Pipe System (Section 13.4.4) This section is Not Applicable: Does valve appear to be free of physical damage? Yes No N/A All trim valves are in the appropriate open or closed position? Yes No N/A The intermediate chamber is not leaking? No N/A Yes A tag or card with the last trip date and who conducted the test is attached to the valve? No N/A Yes Size Make Model Serial # **Location of Inspectors Test** Explain No Answers / Comments:



1701000	on revenuon remon	THE TOTAL CONTRACTOR OF THE TOTAL CONTRACTOR OT THE TOTAL CONTRACTOR OF THE TOTAL CONTRACTOR OT THE TOTAL CONTRACTOR OF THE TO						
Autom	atic Sprinkler Sys	stems					5 (	of 9
		<b>Annual Inspe</b>	ctior	า &	<b>Tests</b>			
Date:	Nov 17 2015	Location:	Build	ing "E	3" Track 25-3	6 South		
Dry Sys	tem Low-Air-Pressur	e Switch						
Is the dr	y system equipped wit	h a low-air-pressure switch?				Yes	No 2	K N/A
drain tes valve.) activated device a	t valve to reduce air po Confirm operation of lo		e air press pressure a normal, t	sure su at which hen slo	<i>ifficiently to tr</i> th low pressu	ip the dry pip re switch	e	PSI
Every the fully oper the dry p	n and the quick-openir ipe valve shall be trip dry pipe valve been tri	able never the system is altered, the ng device, if provided in service tested with the control valve pa pped with the control valve fully s the fully open trip test conduc	e. During artially ope y open in	valve the yean.	shall be trip to ars when full		e control va	
	- a	being conducted during this an		ection?	>	Yes	No	N/A
			•		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Ш. ••		=
Nomai a	an pressure as per the	Manufacturers recommendation		A *	T: 4-	T: D: /		PSI
2115		ecord the time from opening	Water PSI	Air PSI	Time to Trip	Trip Point Air PSI	Inspect	ater To ors Test
tne inspe	ectors test valve until ti	he dry pipe valve trips.			* 1 *1			
Did the v	alve and alarm operat	e properly?				Yes	No	N/A
Dry pipe	valve interior appears	clean and satisfactory?				Yes	No	N/A
ls a sign	pening device operated provided at the dry pip of each auxiliary drain	be valve indicating the number	of auxilia	ry draii	ns and	Yes	No No	N/A N/A
Were all	identified auxiliary dra	ins drained during this inspecti	on?			Yes	No	N/A
Air suppl	y appears to be adequ	uate?				Yes	No	N/A
Automati	c air pressure mainter	nance device appears to opera	te proper	ly?		Yes	No	N/A
Was the	dry pipe valve filled wi	th priming water after it was tri	p tested a	and res	et?	Yes	No	N/A
Explain N	lo Answers / Commer	nts:						
Dry pipe	System Inspection ( valve strainers, filters, a greater frequency is	and restriction orfices shall be	inspecte			is Not Applid ve (5) years u		K.
	·	en completed within the last fou	ır (4) year	s?		Yes	No _	N/A
	hat year was the inspe							7
	s the internal inspections  Io Answers / Commer	on done during this annual insp	ection?			Yes	No L	N/A
Lxpiaiii i	NO Allowers / Collimer							



Automa	tic Spri	nkler System	ıs				6 of 9
		A	nnual Ins	pectio	n & Tes	sts	-
Date: _	Nov 17	2015 L	ocation:	Bui	lding "B" Track	25-36 South	MC 21 19
Preaction	/ Deluge	System			This see	ction is Not Applica	able: X
Does valve	e appear	to be free of phy	sical damage?			Yes	No N/A
All trim va	lves are i	n the appropriate	open or closed pos	sition?		Yes	No N/A
The valve	seat is no	ot leaking?				Yes	No N/A
The electr	ical comp	onents are in se	rvice?			Yes L	No N/A
Size	Make	Model	Serial #			n What Does Not A	
				Deluge	Preaction	Closed Nozzles	Open Nozzles
Supervise	ed Preac	tion Low-Air-Pre	essure Alarm				1
Is the prea	action sys	tem equipped wi	th a low-air-pressure	e alarm?		Yes	NoN/A
			and carefully open o				- 1
the same of the same of the more			larm, record air pres to normal, then ope	- care - care-caller - var - care-care-care-		activation. Close dra	ain PSI
lest valve,	allow all	pressure to rise	to normal, then ope	ii water supp	ly valve.		
	A 1000		est Table (13.4.3.2			ction is Not Applic	able: X
			e trip tested annually rge cannot occur un				,
			scheduled shutdown				
			rotecting freezers sl		and the second s		
introduce	moisture	into the piping in	the freezer.				PSI
Water	Air	Trip Point	Number of detector	ors required	Brief de	scription of valve	operation
PSI	PSI	Air PSI	to trip Preactio	n system			
Did the va	lve and a	larm operate pro	perly?			Yes	No N/A
Were all n	nanual ad	ctuation devices	operated?			Yes	No N/A
For deluge	e systems	s did the water di	scharge pattern app	ear to be sa	tisfactory?	Yes	No N/A
Air supply	appears	to be adequate?				Yes	No N/A
	•		e device appears to			Yes	No N/A
Was the p	reaction	valve filled with p	oriming water after it	was trip test	ed and reset?	Yes	No N/A
Explain N	o Answer	s / Comments:			19. 1		=
Preaction	/ Deluge	e System Mainte	enance (Section 13	3.4.3.1.7.1)	This se	ction is Not Applic	able: X
	_	•	nent or repair shall b				
			the valve cannot be	reset extern	ally the cleaning	, replacement or rep	pair shall be
completed		54	, thus the inspection	n is done dur	ing this inspection	on? Yes	No N/A
	- 0.5	-	us has the inspection		0.72		
			e inspection comple		within the last i	Yes	No N/A
		-	one during this annu		?	Yes	No N/A
		s / Comments:	Jang tine diffici		-		



Protect	ion. Prevention. Perfo	rmance.														
Autom	atic Sprinkler Sy	/stems								99.73				7 (	of 9	
		An	nua	l Inspection	า 8	<b>2</b> 7	Ге	st	S							
Date:	Nov 17 2015	Loc	ation: _	Buil	ding	"B"	Tra	ck 2	25-36	So	uth					_
Are all c Are all c	ontrol valves identifie	sealed or ormal ope	en or clos	ed with a supervisory sw sed postion?	ritch	?		· ·	2	Y X Y X Y	es	х	No No No		N/A N/A N/A N/A	
If application	able post indicator va	lves were OS&Y va	opened	perated through its full until spring tension was e backed 1/4 turn from t	s felt	?	n pos	sition	7	ΧY	es		No No No	х	N/A N/A N/A	
Contr	ol Valve Function	# of Valves	Size	Type of Valve		On	en			Sec	ured	1		Sic	ns	
	control valve	1	6"	G.O.B	х	Υ		N	х	Υ		N	х	Y		N
Main In	coming	1	8''	G.O.B	Х	Υ		N	Х	Υ		N	Х	Υ		N
South V	alve room Iso	1	8"	G.O.B	Х	Υ		N	X	Υ		N		Υ	Х	N
						Υ		N		Υ		N		Υ		N
						Υ		N		Υ		N		Υ		Ν
						Υ		Ν		Υ		N		Y		Ν
						Υ		N		Υ		N		Υ		N
						Y		N		Y		N		Y		Ν
						Υ		N		Υ		N		Υ		Ν
						Υ		Ν		Υ		N		Υ		Ν
All back following (1) A for inside ho (2) A back of the fo For back the test Where of Connect A forwar	ward flow test shall be been stations are located ckflow performance to rward flow test. cflow preventers sized butlet is of a size to flow connections do not performed flow test was condu-	led in fire e conducted downs est, as re d 2" and u ow the sy rmit a full it a full fo	ted at the stream of quired by under a for stem dea I flow tes rward flo he system	on system piping shall be system demand, incluing the backflow preventer by the authority having justification orward flow test is acceptant.	ding  r.  risdi  ptab  ed at	hos ction le to the	e str , sha con max	ually eam all be	in anden	nduc nout i	dand d, wh ted a	ce winere at the	th th hydra e cor	ants mple	tion	
Was the	nections are available re a way of measurin w rate was measured	g the ma	ximum fl		flow	rate	pos	sible	э?	_	es es		No No		N/A N/A	
				rate report to check for	no h	ackf	low?	,		$\neg$			No		Ν/Δ	





8 of 9

Date:	Nov 17 2015	Location:	Building "B" Track 25-36 South
	ruction Investigation (		as shall be conducted every five (5) years by opening a flushing
conne	ection at the end of one	main and by remov	ring a sprinkler toward the end of one branch line for the purpose of
inspe	cting for the presence of	f foreign organic ar	nd inorganic material.
Has v	isual obstruction investi	gation of piping bee	en conducted within the last four (4) years? Yes X No N/A
If Yes	, what year was the inve	estigation complete	d? Unknown
If No,	was the visual obstructi	on investigation co	nducted during this annual inspection?  Yes No X N/A
This \	visual obstruction investi	gation results appe	ears that piping is not obstructed?
Based	d on this years results a	further flushing inv	estigation or procedure is recommended? Yes No X N/A
		ents: <u>Unknown v</u>	when last Obstruction invesitgation was done and should
be do	one.		
$\vdash$		7.7.9	
Defic	iencies (As per NFPA	25 - 2008)	
The s	ystem has the following	deficiencies that sl	nould be reviewed with the authority having jurisdiction to determine
if corr	ections should be made	e. D1. Obstruct	ion investigation of piping should be done every 5 years.
D2	Internal Inspection of	alarm valve and	components should be done every 5 years.
D3	Gauges are older the		
D4	All system control va	lves should be ide	entified and "keep open" signs should be installed.
D5	Fire department conn	ection should have	ve a identification sign.
D6	1 51 1 1 1	17 13 1 1	
D7			
D8			e and the same transfer and the same to the same
D9			and the state of t
D10			
D11		1 87 13	
D12			N. A. CHI MUNTON I BUILT A SERVICE CO.
D13	161		
D14			
D15			Production of the second second
D16			mia seka posenika Casa sada na Partunan iri iri iri a
D17			
D18			ar our or har are grant and interest and are selected and are selected and are selected and are selected as a selected as
D19	-		
D20			
D21			THE STATE OF THE S
D22			
D23		/1111	
		(Use back	c of page if further room is needed)



### Automatic Sprinkler Systems

9 of 9

Ailliuai ilisp	dection & rests
Date: Nov 17 2015 Location:	Building "B" Track 25-36 South
Recommendations We recommend the following based on this annual inspectand are provided for information only. Corrections of these having jurisdiction.  R1.	ction and test. These recommendations are not deficiencies se recommendations are dependent on the owner or authority
R2. Low pressure switch should be installed to prev	
R3. <u>Drains should be cleaned out to better handle d</u> R4.	rain test.
R5.	
R6.	
R7.	
R8.	
R9.	
General Notes Record any pertinent information here with respect to the access, confined space, etc.) System monitored by Protelec 204-949-1415.	e if further room is needed) building (monitoring company, special codes, keys
failure, and any subsequent damage or loss consequentia and condition of equipment at actual time of testing. Own	a review or analysis of the system design to determine ds. BDR Services Ltd. is not responsible for any equipment all or direct. BDR Services Ltd. is merely verifying operation er is responsible for system installation, maintenance and t any time there are alterations, additions, renovations and
Inspector: Bart Dlugosz	Inspection Date: Nov 17 2015
Licence SP/WFD #: 223/792	Owner Representative:
Signature: Band	Signature:

Chubb Edwards 82 Terracon Place Winnipeg, MB R2J 4G7 Tel (204) 633-5248



Fax (204) 632-5341

January 6, 2016

Planning, Property and Development Municipal Accommodations Division Basement, 510 Main Street Winnipeg, Manitoba R3B 1M9 Attn: Ken Pietracci

# Subject: November 2015 - Annual Test and Maintenance Inspection Agreement Location: Winnipeg Transit, 421 Osborne Street, Winnipeg, MB

Per the terms of the Preventative Maintenance Agreement with Chubb Edwards, we have completed the test and inspection of the building systems listed below following the requirements of the current Provincial Fire Code.

[X] Sprinkler System

[√] Backflow Preventer

We enclose our completed test and inspection report for your review. A certificate of inspection is attached for the backflow preventer.

We welcome the opportunity to assist you, should you require additional information and/or service regarding this inspection.

Regards,

Dianna Grosshans Fire Billing & Enquiries

Enc.



# Inspection Certificate

This is to certify the system referred to below was inspected in accordance with the Provincial Fire Code and the requirements of the authority having jurisdiction and was found to be in proper working order when the inspection was completed.

THIS CERTIFIES that the

**Backflow Preventer** 

equipment

installed at 421 Osborne Street, Winnipeg, MB

was checked and inspected, and is serviced by a trained technician

Issued: November 17, 2015

Next Inspection: November, 2016

Operations Manager

UTC Fire & Security Canada

Managing Director Chubb Edwards

C4396



# BACKFLOW DEVICE TEST REPORT

#### Water and Waste Department • Service des eaux et des déchets

Site Information	Contact Company Address (Street, City, Prov. Postal Code)  Phone / Fax # Email  Alex Winnipeg Winnipeg N Building	1B				Owner Information	Contac Compa Addres (Street, Cit Postal Coo Phone	nys sy, Prov,			
ation	Serial # Manufacturer		Existing 01836 Ames			Replaced New			W	Permit #:	
Device Information	Model # Type of Assembly (RP, De Size (inches)		4000B RP 1.25							Water Meter #:  Meter Reading:	
De	Location of Assembly Carpentry shop Type of Equip. Protected Fire Protection									Pas	s ☑ Fail 🗌
Test Information	RP Device Initial Test Date (mm-dd-yy): 11-17-15 Line Press. 110 psi	1st Check ( Press. Drop <u>9.2</u> Closed Leaked	op 9.2 psi			d Check Relief Valve (B)  Closed ☑ Opened at 2.8 psi			at	Buffer (A-B=C)  6.4 psi	
	Test After Repair Date (mm-dd-yy): Line Press psi	Press. Drop Closed Leaked	osed $\square$			ed	_ ı	Opened ———————————————————————————————————			psi
nforn					1	_					
est I	DCVA Device Initial Test	1st Check	2nd	Check				Device ial Test	Air Inlet Opened at		Check Valve
_	Date (mm-dd-yy):  Line Press psi	Closed ☐ Leaked ☐	0.000	sed 🗌		-	Date (r	nm-dd-yy):		psi open	Closed □ Leaked □
	Test After Repair Date (mm-dd-yy):	Closed ☐ Leaked ☐		osed 🗌		Test A Date (r		fter Repair nm-dd-yy):	Open	ed at psi	Closed 🗆
	Line Press psi				<u> </u>		ine Pres	ss psi		NUMBER OF STREET	
Licensed Tester	Tester Name Bart D Test Kit Serial # 05050 Company BDR	352 86-8227				Comments /	Maintenance / Repairs				

I certify all information on this report is true and accurate, acknowledging that <u>incomplete reports</u> will not be accepted. This information meets the requirements under By-Law 504/73.

☑ I accept	Date: 11/18/2015	Email this form
✓ I accept	Date: 11/18/2015	Email this for



#### BACKFLOW DEVICE TEST REPORT

#### Water and Waste Department • Service des eaux et des déchets

	Contact Alex				Γ	п	Conta	not.				
Site Information	Company Winnipe	g Bus depot	t			Owner Information	Com					
ıma	Address 421 Ost					Ē	Addre					
ıfoı	(Street, City, Prov, Postal Code) Winnipeg Building					Пf	(Street, Postal (	City, Pr Code)	ov,			
e Ir	Phone / Fax #	A				e	Dhon	o / Eo	x#			
Sit	Email					M	Emai		IX #			
						0	Liliai		-			
_			Existing			Re	placed		Ne	w		Permit #:
Device Information	Serial #		10264									
.ma	Manufacturer		Ames								W	ater Meter #:
Į.	Model #		4000B								<u> </u>	
e L	Type of Assembly (RP, D	CVA, PVB)	RP								Me	eter Reading:
vic	Size (inches)		2									
õ	Location of Assembly  Type of Equip. Protecte		Paint shop	-							Des	o CI Coll CI
	Type of Equip. Protecte	Fire Protection								Pas	s 🗸 Fail 🗌	
	RP Device	1st Ch	eck (A)	2n	nd C	hec	k		Relief Valv	e (B)	Bu	ffer (A-B=C)
	Initial Test	Press. Dro	p <u>9.4</u> psi									
	Date (mm-dd-yy):	Clo	· · · · · · · · · · · · · · · · · · ·		Closed 🔽				Opened		6.	8 psi
	11-17-15	Lea	aked ☐ Lo		_eal	ced			2.6	psi	48	
	Line Press. 110 psi											
			p psi									
			sed 🗆		Closed		Opened	at	psi			
loi		Lea	aked 🗆 Le			ked 🔲		psi				
nat	Line Press psi											
Test Information												
st I	DCVA Device	1st Ched	ck 2nd	Check		PVB			vice	Air Inlet		Check Valve
Te	Initial Test						In	itial T	est	Opene	ed at	
	Date (mm-dd-yy):	Closed	☐ Clo	sed 🗌			Date	(mm-	dd-yy):	81	psi	Closed 🗆
		Leaked	☐ Lea	ked 🗌	1	-				Did not	open	Leaked 🗆
	Line Press psi						Line Pr	ess	psi		]	
	Test After Repair				7	Г	Test	After	Repair			
	Date (mm-dd-yy):	Closed	Arrest III	sed 🗌					dd-yy):	Opene	ed at	Closed □
		Leaked	Lea	ked 🔲		-					psi	0.0000
	Line Press psi						Line Pr	ess	psi			
	Licence # 889				7			P. C. C.				
_		lugosz			1	<i>S 1</i>	- se /					
icensec Tester		The Control of the Co				Comments	Maintenance Repairs					
Licensed Tester	Test rat certai #				- [ ]	mu	eps					
Į,		00.0007				Sor	lair R					
	Phone # 204-5	86-8227			11	_	≥					

I certify all information on this report is true and accurate, acknowledging that <u>incomplete reports</u> will not be accepted. This information meets the requirements under By-Law 504/73.

V	I accept	Date: 11/18/2015	Email this form



#### BACKFLOW DEVICE TEST REPORT

#### Water and Waste Department • Service des eaux et des déchets

Site Information	Contact Company Address (Street, City, Prov. Postal Code)  Phone / Fax # Email  Alex Winnipe Winnipeg Building	ИB				Owner Information	Postal Co	any ss			
Device Information	Serial # Manufacturer Model #		A0223 Ames	5		Rep	olaced	1	lew	Permit #: Water Meter #:	
Device In	Type of Assembly (RP, DCVA, PVB)  Size (inches)  Location of Assembly  Type of Equip. Protected  Glycol  Fire Protection									eter Reading:	
	RP Device Initial Test Date (mm-dd-yy): 11-18-15 Line Press. 120 psi	1st Check ( Press. Drop 10 Closed Leaked	0.8 psi			Check Relief Valve (B)  losed ☑ Opened at a saked ☐ 3.5 psi			ed at		ffer (A-B=C)
Test Information	Test After Repair Date (mm-dd-yy): Line Press psi	Press. Drop Closed Leaked			Clos .eak		_	Opend	792	_	psi
Inforn					1	_					
Fest	DCVA Device Initial Test	1st Check	2nd	Check		-		B Device	Air Ir Opene		Check Valve
	Date (mm-dd-yy):  Line Press psi	Closed ☐ Leaked ☐		sed 🔲 ked 🔲		Date (n		mm-dd-yy): ss ps	Did not	psi open	Closed ☐ Leaked ☐
	Test After Repair Date (mm-dd-yy): Line Press psi	Closed ☐ Leaked ☐		osed 🗌		  - 		After Repair mm-dd-yy): ss ps	Open	ed at psi	Closed 🗆
Licensed Tester	Licence #       889         Tester Name       Bart D         Test Kit Serial #       05050         Company       BDR         Phone #       204-58					Comments /	Repairs				

I certify all information on this report is true and accurate, acknowledging that <u>incomplete reports</u> will not be accepted. This information meets the requirements under By-Law 504/73.

V	I accept	Date: 11/18/2015	Email this form





1 of 9

	As per N			he Inspection, Tes rotection Systems			nce of		
Date: No	ov 17 2015	Inspector		Bart Dlugosz		or SP/WF	D#:	223/	792
Property Name:		Transit Fort	The same of the sa	2.ugoo_					
B B A	Building B	Transie i or	riougo						
_	21 Osborne	e Street							
City:	Winnipe		Province:	MB		Postal C	ode:		
	lex Vecher		_		Phone :				
General									
Building	Γ	Building "B	" South Tra	ack 1-12					
System Designatio	Г	South Track	No. Control						
Location of sprinkle		South West	corner of	building in Mainte	nance Bay				
Type of sprinkler s		X		Dry		Deluge		Preact	ion
Is the building occu	upied?					4	X Yes	No	N/A
Is the system in se	ervice?						<b>X</b> Yes	No	N/A
The valve header r	room(s) app	ears to be a	dequately h	eated?			<b>X</b> Yes	No	N/A
The valve header r	room(s) hav	e a low-temp	erature ala	rm?			Yes	No	X N/A
Is it known that the	e system(s)	is hydraulica	lly calculate	d?			Yes	X No	N/A
If yes, is hydraulic	information	sign provide	d at valve(s	)?		L	Yes	No	X N/A
Is there a minimun deflector?	n of 18"clea	rance betwe	en storage/o	obstructions and the	e sprinkler		<b>x</b> Yes	No	N/A
Do all exterior ope	nings appea	ar to be prote	ected from f	reezing?			<b>X</b> Yes	No	N/A
				ppear to be in good ations/additions sind			X Yes X Yes	No No	N/A N/A
Explain No Answe	ers / Comme	ents: Sys	tem appea	rs to be pipe sche	edule syster	m.			
								-	
Water Supply									
Do reservoirs, tank	ks, or press	ure tanks ap	pear to be i	n good condition?			Yes	No	X N/A
				are not covered und	ler this inspe	ection.)			
Pumps (Fire Pum)	0.0				2000-00-00-00-00-00-00-00-00-00-00-00-00	3.5			
Is fire pump	p(o) are not		iesel	Electric		Gasoline	7	None	
When was pump la	last inspecte						-		
Does pump appea			1?				Yes	No	X N/A
Explain No Answe									
									11



#### Automatic Sprinkler Systems 2 of 9 **Annual Inspection & Tests** Date: Nov 17 2015 Location: Building "B" South Track 1-12 Fire Department Connections (Section 13.7) This section is Not Applicable: FDC Location: Across the street of 520 Brandon street Are identification signs provided and in place? X No Yes N/A The connections are visible and accessible? X Yes No N/A Couplings or swivels are not damaged and rotate smoothly? No Yes N/A Plugs or caps are in place and undamaged? Yes X No N/A Gaskets are in place and in good condition? X Yes No N/A The check valve is not leaking? Yes No X N/A The automatic drain valve is in place and appears to be working and in good condition? Yes No X N/A The connection clapper(s) is in place and appears to be operating properly? X Yes No N/A Explain No Answers / Comments: Located on the street. There is a valve pit near FDC and was not inspected during this inspection. Fire department connection feeds building "A" and westside of building "B". FDC is missing ONE 2.5" cap. General Condition, Inspected From Floor Level (Section 5.2) This section is Not Applicable: Sprinkler heads appear to be in good condition? (Not corroded, loaded, painted, damaged) X Yes No N/A Piping appears to be in good condition? (Not damaged, leaking, corroded, bent) X Yes No N/A Hangers or Braces appear to be in good condition? (Not damaged, loose, rusted, missing) X Yes No N/A Devices, valves and gauges appear to be in good condition? X Yes No N/A Is stock of spare sprinklers available along with appropriate sprinkler wrench(s)? Yes N/A Explain No Answers / Comments: Sprinkler Testing (Section 5.3) This section is Not Applicable: All sprinklers installed have been manufactured after 1920? X Yes No N/A Standard response sprinklers are less than fity (50) years old? Yes No N/A Fast response sprinklers are less than twenty (20) years old? Yes No Х N/A Extra high (325 °F or higher) sprinklers have been tested at five (5) year intervals? Yes No X N/A Dry sprinklers are less than ten (10) years old? No X N/A (Sprinklers that do not meet the above criteria are required to be replaced or representative samples from one or more sample areas shall be tested. Test procedures shall be repeated at various intervals as stated in NFPA 25) Explain No Answers / Comments:



Protect	Protection. Prevention. Performance.									
Auton	natic Sprink	ler System	ıs		127		3 of 9			
		A	nnual l	nspection &	Tests					
Date:	Nov 17 201	<u>5</u> L	ocation:	Building "E	3" South Track 1-1	12				
Gauges Gauges Gauges Gauges Gauges	Gauges (Section 5.3.2)  This section is Not Applicable:  Gauges shall be replaced every five (5) years or tested every five (5) years by comparison with a calibrated gauge.  Gauges not accurate to within three (3) percent of the full scale shall be recalibrated or replaced.  Gauges are less than five (5) years old?  Gauges have been compared against a calibrated gauge and are within three (3) percent?  Yes  No  N/A  Sauges have been replaced during this annual inspection?  Gauges dated 2009 (x2) Should be replaced.									
Main Di	Main Drain Test (Section 13.2.5)  This section is Not Applicable:									
			ply pressure lo			This Year	Last			
		15.0	sure with no flow	0 0 /	Static PSI Before	70				
Open the main drain and allow water flow to stabilize. Record the pressure. Residual PSI 69										
				after gauge has stabilized.	Static PSI After	70				
	ate was the last		Control Control and Control Co		of the Main Drain?	2"				
Explain	Explain No Answers / Comments: Drain does not handle test.									
The gau Does ala All trim v The alar Wet sys Anti-free	Wet System (Section 13.4) The gauges indicate normal water pressure is being maintained? Does alarm valve appear to be free of physical damage? All trim valves are in the appropriate open or closed position? The alarm drains are not leaking? Wet system is equipped with a tail-end anti-freeze system(s)? Anti-freeze solution reading is at what freezing point?  Anti-freeze solution freezing point appears to be satisfactory?  Explain No Answers / Comments:  This section is Not Applicable:  X Yes No N/A  X Yes No N/A  Yes No N/A									
Wet Sys	stem Test Tabl	e for Wet Al	arm Valve	. т	his section is Not	Applicable:				
Size	Make	Model	Serial #	Loca	tion of Inspectors	Test				
8"	Grinnell	Α	N/A	In	side south door 1	12				
(Ensure	alarm company	y is notified to	o avoid false ala	arms.)	Static PSI A		esidual PSI			
Test alarm valve water flow alarm switch by opening inspector's test valve.  125 psi 1m20s 70 psi										
Is the we If Yes, o pressure and rest	Wet System Low-Water-Pressure Switch s the wet system equipped with a low-water-pressure switch?  If Yes, open drain test valve to reduce water pressure slowly. Confirm operation of low pressure switch, record water pressure at which low pressure switch activated. Close drain test and pump system up to normal pressure and restore to service.  Record pressure.  If Yes X No N/A  NO N/A  PSI  Explain No Answers / Comments:  System Does not have a Low Pressure switch. One should be installed.									



#### 11 Yard Street Winnipeg MB R2W 5J6 | P: 204.586.8227 | F: 204.582.3657 | www.bdrservices.ca Protection. Prevention. Performance. **Automatic Sprinkler Systems** 4 of 9 **Annual Inspection & Tests** Date: Building "B" South Track 1-12 Nov 17 2015 Location: Wet System Inspection (Section 13.4.1.2) This section is Not Applicable: Alarm valves and their associated strainers, filters, and restriction orfices shall be inspected internally every five (5) years unless tests indicate a greater frequency is necessary. Has the internal inspection been completed within the last four (4) years? X No If Yes, what year was the inspection completed? If No, was the internal inspection done during this annual inspection? Explain No Answers / Comments: Unknown when last wet system inspection was and should be done. Wet System Vane Type Flow Alarms This section is Not Applicable: Х Test water-flow alarm by opening inspector's test and record time that alarm registers. Flow Switch Zone Designation Location of Inspectors Test Static PSI Alarm Time Residual PSI Dry Pipe System (Section 13.4.4) This section is Not Applicable: X Does valve appear to be free of physical damage? Yes No N/A All trim valves are in the appropriate open or closed position? Yes No N/A The intermediate chamber is not leaking? Yes N/A No A tag or card with the last trip date and who conducted the test is attached to the valve? N/A Yes No Size Serial # Make Model Location of Inspectors Test Explain No Answers / Comments:



Protection	on. Prevention. Perroii	nance									
Autom	atic Sprinkler Sy	stems					172			5 of	9
		Annual In	spe	ctior	า &	<b>Tests</b>					
Date: _	Nov 17 2015	Location:		Build	ding "E	3" South Tra	ack 1-	12			_
	tem Low-Air-Pressur							10.	44.5		_
Is the dry	system equipped wit	h a low-air-pressure sv	witch?					Yes	No	X	N/A
drain test valve.) ( activated device ar	f Yes, close the water supply valve isolate quick opening device if one is present and carefully open drain test valve to reduce air pressure slowly. (Do not reduce air pressure sufficiently to trip the dry pipe valve.) Confirm operation of low pressure switch, record air pressure at which low pressure switch activated. Close drain test valve, allow air pressure to rise to normal, then slowly open quick opening device and water supply valve.  Explain No Answers / Comments:										
						1 11					
Every through the dry pithas the conditions (2) years.	Ory Pipe System Trip Test Table  Every three (3) years and whenever the system is altered, the dry pipe valve shall be trip tested with the control valve ally open and the quick-opening device, if provided in service. During the years when full flow testing is not required, the dry pipe valve shall be trip tested with the control valve partially open. Has the dry pipe valve been tripped with the control valve fully open in the last two  2) years. If yes, what year was the fully open trip test conducted?  This section is Not Applicable:  X  Yes  No  N/A										
Normal a	Normal air pressure as per the Manufacturers recommendation PSI										
		ecord the time from open he dry pipe valve trips.		Water PSI	Air PSI	Time to Trip		p Point ir PSI			er To s Test
Did the va	alve and alarm operat	e properly?						Yes	No	Г	N/A
		clean and satisfactory	?					Yes	No	_	N/A
Quick-op Is a sign <sub>l</sub>	ening device operated	d properly? be valve indicating the		of auxilia	y drair	is and		Yes	No No		N/A N/A
		ins drained during this	inspection	on?				Yes	No		N/A
	appears to be adequ							Yes	No		N/A
		nance device appears			5.0			Yes	No		N/A
		th priming water after i	it was trip	tested a	nd res	et?		Yes	No		N/A
Explain N	lo Answers / Commer	ıts:									
Dry Pipe System Inspection (Section 13.4.4.1.6)  This section is Not Applicable:  This section is Not Applicable:  X  Dry pipe valve strainers, filters, and restriction orfices shall be inspected internally every five (5) years unless tests indicate a greater frequency is necessary.											
Has the internal inspection been completed within the last four (4) years?  Yes No N/A											
	at year was the inspe	· · · · · · · · · · · · · · · · · · ·						1 -			
	s the internal inspection o Answers / Commen	on done during this annotes:	nual inspe	ection?				Yes [	No		N/A
											- 1



Explain No Answers / Comments:

Protecti	Protection. Prevention. Performance.								
Autom	atic Spr	inkler Syster	ns		CHANGE OF THE STATE OF THE STAT	WEVE 1	6 of	9	
		Δ	nnual Ins	pecti	on & Te	sts	0 01	Ū	
Date:	Nov 17	2015	Location:	В	uilding "B" Sou	th Track 1-12			
Preaction	n / Delug	e System				ection is Not Appl	icable: X	177	
		to be free of phy	ysical damage?		11113 30	Yes		N/A	
			e open or closed po	sition?		Yes	$\vdash$	N/A	
		ot leaking?	- 17   27			Yes	$\vdash$	N/A	
The elec	trical comp	oonents are in se	ervice?			Yes	$\vdash$	N/A	
Size	Make	Model	Serial #	l lands	Strike Throug	h What Does Not			
	1			Deluge	Preaction	Closed Nozzle		zzles	
Supervi	sed Preac	tion Low-Air-Pr	essure Alarm						
s the preaction system equipped with a low-air-pressure alarm?									
If Yes, cl	f Yes, close the water supply valve and carefully open drain test valve to reduce air pressure slowly.								
confirm operation of low pressure alarm, record air pressure of low pressure alarm activation. Close drain									
test valve	est valve, allow air pressure to rise to normal, then open water supply valve.								
Preactio	The Court of the C								
The prea	he preaction / deluge system Trip Test Table (13.4.3.2.2.2) This section is Not Applicable:								
tne natur	e is such t	hat water discha	rge cannot occur un	less protect	ed equipment is	shutdown a full flo	W		
test shall	be conduc	cted at the next s	scheduled shutdown	<ul> <li>In all case</li> </ul>	s the test freque	ncy shall not excee	ed 3		
ntroduce	reaction of	deluge valves p into the piping in	protecting freezers s	hall be trip te	ested in a manne	r that does not			
•			• • 1105 le /		Al attached	5411		PSI	
Water PSI	Air PSI	Trip Point	Number of detector		Brief de	scription of valve	e operation		
FSI	PSI	Air PSI	to trip Preactio	n system	-				
	. 19/1								
		arm operate pro				Yes	No No	N/A	
		tuation devices		For -2 of	udim social is	Yes	No No	N/A	
			scharge pattern app	ear to be sa	tisfactory?	Yes	No I	N/A	
		to be adequate?				Yes	No I	N/A	
			e device appears to			Yes	No I	N/A	
			riming water after it	was trip test	ed and reset?	Yes	No I	N/A	
Explain N	lo Answers	/ Comments:		12 611	al efficie			, a.V. 14	
Preaction	n / Deluge	System Mainte	nance (Section 13	.4.3.1.7.1)	This see	ction is Not Appli	cable: X		
nterior cleaning and parts replacement or repair shall be permitted every five (5) years for valves that can be reset									
without removal of the faceplate. If the valve cannot be reset externally the cleaning, replacement or repair shall be completed annually.									
			thus the '	o, 11 11					
			, thus the inspection				No1	N/A	
A) veere	e can be re	set externally the	us has the inspectio	n been done	within the last fo				
	) years? If Yes, what year was the inspection completed?  No, was the internal inspection done during this annual inspection?  Yes No N/A								
INO, Was		ai inspection do	ue durina fnis annua	ii inspection'	/	I IVaa	I INIa I N	1//	



Automatic Sprinkler	Systems		THE PERSON AS A STREET OF THE PERSON AS A ST									7 (	of 9	
•	An	nua	l Inspectio	n 8	<u> </u>	Tes <sup>-</sup>	ts							
Date: <b>Nov 17 2015</b>		ation: _	-			" Soutl		ack 1	-12					
Control Valves														
Are all control valves identi	fied?							X	'es		No		N/A	
Are all control valves locked	d, sealed o	r equippe	ed with a supervisory s	witch	?			X	'es		No		N/A	
Are all control valves in the	normal op	en or clo	sed postion?					X	'es		No		N/A	
Are all control valves free fr	om externa	al leaks?						X	'es		No		N/A	
During this inspection was	each contro	ol valve o	perated through its full	l rang	e?			X	'es		No		N/A	
If applicable post indicator	alves were	e opened	until spring tension wa	as felt	?			Y	'es		No	X	N/A	
If applicable post indicator	& OS&Y va	lves were	e backed 1/4 turn from	fully	oper	n positio	n?	X	'es		No		N/A	
Control Valve Table														
Control Valve Function	# of Valves	Size	Type of Valve		Or	en		Sec	urec	i		Sic	gns	
System control valve	1	6"	OS+Y	х	Υ	N	Х	$\overline{}$		N	Х	Υ		N
					Υ	N		Y		N		Υ		N
1					Υ	N		Y		N		Υ		N
					Υ	N		Y		N		Υ		N
					Υ	N		Y		N		Υ		N
					Υ	N		Y		N		Υ		N
					Υ	N		Y		N		Y		N
					Υ	N		Y		N		Υ		N
					Υ	l N		Y		N		Y		N
					Υ	N		Y		N		Υ		N
Backflow Prevention Ass All backflow preventers inst following: (1) A forward flow test shall inside hose stations are loc	alled in fire	protection	on system piping shall e system demand, incl	be te	sted		y in	acco	rdan	ce wi	ith th		•	
(2) A backflow performance of the forward flow test. For backflow preventers siz the test outlet is of a size to	inside hose stations are located downstream of the backflow preventer.  (2) A backflow performance test, as required by the authority having jurisdiction, shall be conducted at the completion of the forward flow test.  For backflow preventers sized 2" and under a forward flow test is acceptable to conduct without measuring flow, where the test outlet is of a size to flow the system demand.  Where connections do not permit a full flow test, test shall be completed at the maximum flow rate possible.													
Connections do exist to per	mit a full fo	rward flo	w test?				Γ	Y	'es		No		N/A	
A forward flow test was con	ducted at t	he syster	m demand, including h	ose s	trea	m?		Y	'es		No		N/A	
The forward flow test results met the system demand, including hose stream?  Yes No N/A														
If no connections are available was a flow test conducted at maximum flow rate possible? Yes No N/A														
Was there a way of measur	ing the ma	ximum fl	ow rate?					Y	'es		No		N/A	
What flow rate was measur	ed during t	he maxir	num flow rate?											
Was the backflow prevente	r tested wit	h a sepa	rate report to check for	r no b	ackf	low?					No		N/A	



### Automatic Sprinkler Systems

8 of 9

Date	: Nov	17 2015	Location:	Building "B" South Track 1-12
			ection 14.2.1)	and the contract of the second
An ir	spection of	piping and bra	anch line condition	s shall be conducted every five (5) years by opening a flushing
conn	ection at the	end of one m	nain and by removi	ing a sprinkler toward the end of one branch line for the purpose of
				d inorganic material.
				en conducted within the last four (4) years? Yes X No N/A
	525		stigation completed	
				nducted during this annual inspection?  Yes  No X N/A
				ars that piping is not obstructed?  Yes No X N/A
Base	ed on this ye	ars results a It	urther flushing inve	estigation or procedure is recommended? Yes No X N/A
Expla	ain No Answ	vers / Commer	nts: Unknown w	when last Obstruction invesitgation was done and should
be d	one.			
		type:	1-9	Marit 9/0 F. L. L. S. L. L. L. C. L.
		1 -1 -5	P Beer 1	
Defic	ciencies (A	s per NFPA 2	5 - 2008)	
The	system has	the following d	deficiencies that sh	nould be reviewed with the authority having jurisdiction to determine
				on investigation of piping should be done every 5 years.
D2				components should be done every 5 years.
D3	The second secon		5 years and shou	
D4				ntified and "keep open" signs should be installed.
D5				e a identification sign.
D6				one 2.5" cap and should be replaced.
D7				
D8	8			
D9		11-2-1		
D10				
D11	****			P. Company of Texts of the Company o
D12				white the second
D13			1 201	
D14				
D15			1-17	
D16				
D17				
D18				
D19				
D20		The second second		The first term was part to the first terms of the f
D21				
D22		V I		to net a grant of
D23				Paradiana para
			(Use back	of page if further room is needed)



### Automatic Sprinkler Systems

9 of 9

		2 1111101011 11	iopootiioii ei rooto
Date:	Nov 17 2015	Location:	Building "B" South Track 1-12
We re		ormation only. Corrections of	inspection and test. These recommendations are not deficiencies of these recommendations are dependent on the owner or authority
R2.		vitch should be installed t	
R3.	Drains should be	e cleaned out to better ha	ndle drain test.
R4.			
R5. R6.			
R7.			
R8.			
R9.			
		(Use back o	of page if further room is needed)
Recor acces	s, confined space,		to the building (monitoring company, special codes, keys
	,		
This is wheth failure and confirm chang	er or not the syste a, and any subsequendition of equipmention that system be of occupancy.  Bart Dlugo	m meets current code or state  nent damage or loss consequent at actual time of testing.  ninstallation requirements a	clude a review or analysis of the system design to determine andards. BDR Services Ltd. is not responsible for any equipment quential or direct. BDR Services Ltd. is merely verifying operation. Owner is responsible for system installation, maintenance and re met any time there are alterations, additions, renovations and  Inspection Date: Nov 17 2015  Owner Representative:
		0	Owner Nepresentative.
Signat	ture:	<u>U</u>	Signature:





1 of 9

### **Annual Inspection & Tests**

As per NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, 2008 Edition

	<b>F</b> •	Water-Based F	ire Protection Systems	s, 2008 Edition			
Date:	Nov 17 2015	Inspector:	Bart Dlugosz	Inspector SP/V	VFD #:	223/792	
Property Name:	Winnipeg	Transit Fort Roug	е	E E			
Tenant Name:	Building "A						
Address:	421 Osborn	e Street					
City:	Winnipe	eg Provinc	ce: MB		l Code:		
Contact:	Alex Veche	rya		Phone: _			
General							
Building		Building "A" High	Bay Center				
System Designa	ation	Center High Bay					
Location of sprin	nkler valve	Infront of Bus Bay	y 25		<u> </u>	_	
Type of sprinkle	r system	X Wet	Dry	Deluge		Preaction	
Is the building o	ccupied?				X Yes	No N/A	
Is the system in	5.0				X Yes	No N/A	
		pears to be adequat	tely heated?		X Yes	No N/A	
The valve heade	er room(s) ha	ve a low-temperatur	re alarm?		Yes	No X N/A	
Is it known that t	the system(s)	) is hydraulically calc	culated?		Yes	X No N/A	
		n sign provided at va			Yes	No X N/A	
Is there a minim deflector?	num of 18"clea	arance between sto	rage/obstructions and th	ne sprinkler	<b>x</b> Yes	No N/A	
Do all exterior o	penings appe	ear to be protected fr	rom freezing?		<b>X</b> Yes	No N/A	
			es it appear to be in good alterations/additions sin		Yes X	No <b>X</b> N/A No N/A	
Explain No Ansv	wers / Comm	ents: System a	ppears to be pipe Sch	edule system.			
W-42 :							
Water Supply Do reservoirs, to	anks, or press	sure tanks appear to	be in good condition?		Yes	No X N/A	
			etc. are not covered und	der this inspection.)			
Pumps (Fire Pu		ot covered under this		Gasolir	_	X None	
Is fire pump	n loot inco			Gasoiii	L.		
When was pump last inspected?  Does pump appear to be in good condition?  Yes No X N/A							
Does pump appear to be in good condition?  Explain No Answers / Comments:							
Explain No Ans	weis / Comm						



#### Automatic Sprinkler Systems 2 of 9 **Annual Inspection & Tests** Nov 17 2015 Date: Location: **Building "A" High Bay Center** Fire Department Connections (Section 13.7) This section is Not Applicable: FDC Location: Across the street of 520 Brandon street Are identification signs provided and in place? Yes X No N/A The connections are visible and accessible? Х No N/A Yes Couplings or swivels are not damaged and rotate smoothly? Yes No N/A Plugs or caps are in place and undamaged? Yes X No N/A Gaskets are in place and in good condition? X Yes No N/A The check valve is not leaking? Yes No N/A The automatic drain valve is in place and appears to be working and in good condition? Yes No X N/A The connection clapper(s) is in place and appears to be operating properly? X Yes N/A No Explain No Answers / Comments: Located on the street. There is a valve pit near FDC and was not inspected during this inspection. Fire department connection feeds building "A" and westside of building "B". FDC is missing ONE 2.5" cap. General Condition, Inspected From Floor Level (Section 5.2) This section is Not Applicable: Sprinkler heads appear to be in good condition? (Not corroded, loaded, painted, damaged) Yes N/A X No Piping appears to be in good condition? (Not damaged, leaking, corroded, bent) X Yes No N/A No N/A Hangers or Braces appear to be in good condition? (Not damaged, loose, rusted, missing) X Yes X Yes No N/A Devices, valves and gauges appear to be in good condition? X Yes No N/A Is stock of spare sprinklers available along with appropriate sprinkler wrench(s)? Explain No Answers / Comments: This section is Not Applicable: Sprinkler Testing (Section 5.3) N/A All sprinklers installed have been manufactured after 1920? X Yes No Yes No N/A Standard response sprinklers are less than fity (50) years old? X X N/A Yes No Fast response sprinklers are less than twenty (20) years old? X N/A Yes No Extra high (325 °F or higher) sprinklers have been tested at five (5) year intervals? No X N/A Dry sprinklers are less than ten (10) years old? (Sprinklers that do not meet the above criteria are required to be replaced or representative samples from one or more sample areas shall be tested. Test procedures shall be repeated at various intervals as stated in NFPA 25) Explain No Answers / Comments:





3 of 9

Date:	Nov 17 201	<u>5</u> Lo	ocation:	Building "A"	High Bay Cent	er					
Gauges	(Section 5.3.2	2)		This	s section is No	t Applicable	e:				
		•	(5) years or tes	sted every five (5) years by co	omparison with	a calibrated	gauge.				
				he full scale shall be recalibra							
-	are less than fi		3 (5)(3)				No N/A				
				gauge and are within three (3	3) percent?	Yes	No X N/A				
Gauges	have been repl	aced during t	his annual insp	ection?		Yes X	No N/A				
Explain	No Answers / C	comments:	Gauges dat	ed 2009 (x2) Should be rep	laced.	_	20 C				
Main D	rain Test (Sect	ion 13.2.5)		This	s section is No	ot Applicable	e: 🗌				
(All read	(All readings should be from the supply pressure lower gauge)  This Year Last										
Record	the static water	supply press	ure with no flov	v	Static PSI Before	75					
Open th	e main drain an	nd allow water	r flow to stabiliz	e. Record the pressure.	Residual PSI	65					
Close th	ne main drain sl	owly. Record	I the pressure a	after gauge has stabilized.	Static PSI After	75					
What da	ate was the last	main drain te	est done?	<b>2014</b> Size of	the Main Drain?	2"					
Explain No Answers / Comments:											
Wet System (Section 13.4)  This section is Not Applicable:											
The gau	uges indicate no	rmal water p	ressure is being	g maintained?	х	Yes	No N/A				
	arm valve appe				х	Yes	No N/A				
All trim	valves are in the	e appropriate	open or closed	position?	х	Yes	No N/A				
The ala	rm drains are no	ot leaking?			х	Yes	No N/A				
Wet sys	stem is equipped	d with a tail-e	nd anti-freeze s	system(s)?		Yes X	No N/A				
Anti-free	eze solution rea	ding is at wha	at freezing poin	t?							
Anti-free	eze solution free	ezing point ap	pears to be sa	tisfactory?		Yes	No X N/A				
Explain	No Answers / C	Comments:	No tail end	Anti-freeze system.							
Wet Sy	stem Test Tabl	e for Wet Al	arm Valve	Thi	s section is No	ot Applicable	e: 🗌				
Size	Make	Model	Serial #	Locatio	on of Inspector	s Test					
6''	Grinnell	Α	F4858	Bus	Bay 8 on Colu	mn.					
(Ensure	alarm company	y is notified to	avoid false ala	arms.)	Static PSI	Alarm Time	Residual PSI				
Test ala	ırm valve water	flow alarm sv	vitch by opening	g inspector's test valve.	125 psi	39 sec	70 psi				
Wet Sy	stem Low-Wat	er-Pressure	Switch								
Is the w	Is the wet system equipped with a low-water-pressure switch?										
If Yes, o	pen drain test v	alve to reduc	e water pressu	re slowly. Confirm operation	of low pressur	e switch, rec	ord water				
pressur	e at which low p	ressure swite	ch activated. C	lose drain test and pump sys	stem up to norm	nal pressure					
and rest	tore to service.				Record pres	ssure.	PSI				
Explain	No Answers / C	comments:			— не						



#### Automatic Sprinkler Systems 4 of 9 **Annual Inspection & Tests** Location: Date: Nov 17 2015 **Building "A" High Bay Center** Wet System Inspection (Section 13.4.1.2) This section is Not Applicable: Alarm valves and their associated strainers, filters, and restriction orfices shall be inspected internally every five (5) years unless tests indicate a greater frequency is necessary. Has the internal inspection been completed within the last four (4) years? X No If Yes, what year was the inspection completed? If No, was the internal inspection done during this annual inspection? Explain No Answers / Comments: Unknown when last wet system inspection was and should be done. X Wet System Vane Type Flow Alarms This section is Not Applicable: Test water-flow alarm by opening inspector's test and record time that alarm registers. Flow Switch Zone Designation Location of Inspectors Test Static PSI Alarm Time Residual PSI Dry Pipe System (Section 13.4.4) This section is Not Applicable: X Does valve appear to be free of physical damage? Yes No N/A All trim valves are in the appropriate open or closed position? Yes No N/A The intermediate chamber is not leaking? N/A Yes No A tag or card with the last trip date and who conducted the test is attached to the valve? Yes No N/A Size Make Model Serial # **Location of Inspectors Test** Explain No Answers / Comments:



### Automatic Sprinkler Systems

5 of 9

Date:	Nov 17 2015	Location:	■ Section 1	Build	ding "A	\" High Bay	Center		
Dry Syst	em Low-Air-Pressu	re Switch					Tim's	i spilit G	
Is the dry	system equipped wi	th a low-air-pressur	e switch?				Yes	No X	N/A
drain test valve.) ( activated device ar	ose the water supply valve to reduce air p Confirm operation of l . Close drain test val d water supply valve lo Answers / Comme	oressure slowly. (Dow pressure switch live, allow air pressure.	o not reduce n, record air p	<i>air press</i> pressure a normal, tl	ure su at whic nen slo	<i>fficiently to tri</i> h low pressu	ip the dry pipe re switch		] PSI
							11 11 11 1		_
Every thre fully oper the dry pi Has the c (2) years.	System Trip Test T ee (3) years and when and the quick-opening pe valve shall be trip lry pipe valve been tring If yes, what year was	never the system is ng device, if provid tested with the con ipped with the cont s the fully open trip	ed in service itrol valve par rol valve fully test conduct	During rtially ope open in the desired?	valve s the yea en. the last	shall be trip to ars when full t two	flow testing is	control valvenot require	re d,
	ne fully open trip test				ection?		Yes _	No	]N/A
Normal a	ir pressure as per the	e Manufacturers red	commendation	on					PSI
	he dry pipe valve. R ctors test valve until t			Water PSI	Air PSI	Time to Trip	Trip Point Air PSI	Time Wa Inspector	
Did the va	alve and alarm opera	te properly?					Yes	No	N/A
	valve interior appears		ctory?				Yes	No No	N/A
ls a sign	ening device operate provided at the dry pi f each auxiliary drain	pe valve indicating	the number of	of auxiliar	y drain	is and	Yes	No No	N/A N/A
Were all i	dentified auxiliary dra	ains drained during	this inspection	on?			Yes	No	N/A
Air supply	appears to be adeq	uate?					Yes	No	N/A
Automation	air pressure mainte	nance device appe	ars to operat	e properl	y?		Yes	No	N/A
	dry pipe valve filled w o Answers / Comme	5) TTA	fter it was trip	tested a	nd res	et?	Yes	No	N/A
Dry pipe vindicate a Has the ir If Yes, wh If No, was	System Inspection valve strainers, filters greater frequency is aternal inspection been at year was the inspection the internal inspection of Answers / Comments	, and restriction orf necessary. en completed withir ection completed? on done during this	the last four	r (4) years	d interr	his section i	s Not Applicate (5) years un	able: X less tests No No	] ]n/a ]n/a



Autom	atic Spr	inkler Systen	าร				6 of 9	
		A	nnual Ins	pection	on & Te	sts		
Date:	Nov 17	2015 L	ocation:	В	uilding "A" Hiç	gh Bay Center	dia Siliana II	
Preaction	n / Delug	e System			This s	ection is Not Applic	able: X	
Does va	lve appear	to be free of phy	sical damage?			Yes	No N/A	
			e open or closed pos	sition?		Yes	No N/A	
The valv	e seat is n	ot leaking?				Yes	No N/A	
The elec	trical comp	oonents are in se	rvice?			Yes	No N/A	
Size	Make	Model	Serial #		Strike Through	gh What Does Not A	pply	
				Deluge	Preaction	Closed Nozzles	Open Nozzles	
Supervi	sed Preac	tion Low-Air-Pre	essure Alarm					
Is the pro	eaction sys	stem equipped wi	th a low-air-pressure	e alarm?		Yes	No N/A	
If Yes, close the water supply valve and carefully open drain test valve to reduce air pressure slowly.								
Confirm	operation of	of low pressure a	larm, record air pres	ssure of low	pressure alarm	activation. Close dra	ain	
est valve, allow air pressure to rise to normal, then open water supply valve.								
Preaction / Deluge System Trip Test Table (13.4.3.2.2.2)  This section is Not Applicable:								
The preaction / deluge valve shall be trip tested annually as per the manufacturer's instructions. Where he nature is such that water discharge cannot occur unless protected equipment is shutdown, a full flow								
the natu	e is such t	hat water discha	rge cannot occur un	less protecte	ed equipment is	shutdown, a full flow	′	
vears. P	reaction of	r deluge valves p	rotecting freezers st	. In all cases	s the test freque	ency shall not exceed	13	
		into the piping in		ian bo trip to	otod iii d iiidiiii	or that does not	PSI	
Water	Air	Trip Point	Number of detector	rs required	Brief d	escription of valve	operation	
PSI	PSI	Air PSI	to trip Preaction			occupation of runto	oporation	
1 200	1 I stress							
Did the v	alve and a	larm operate pro	perly?			Yes	No N/A	
		tuation devices o	5 5			Yes	No N/A	
			scharge pattern app	ear to be sa	tisfactory?	Yes	No N/A	
Air suppl	y appears	to be adequate?			ng s m	Yes	No N/A	
	7.0		device appears to	operate prop	erly?	Yes	No N/A	
			riming water after it			Yes	No N/A	
Explain I	No Answer	s / Comments:	16	al i	-71 8777	2 11 11 1		
Preaction	n / Deluge	System Mainte	enance (Section 13	.4.3.1.7.1)	This so	ection is Not Applic	able: X	
						ears for valves that ca		
without removal of the faceplate. If the valve cannot be reset externally the cleaning, replacement or repair shall be								
completed annually.  The valve requires internal resetting, thus the inspection is done during this inspection?								
The valve requires internal resetting, thus the inspection is done during this inspection?  Yes No N/A  The valve can be reset externally thus has the inspection been done within the last four								
(4) years? If Yes, what year was the inspection completed?								
If No, was the internal inspection done during this annual inspection?								
		s / Comments:	aarg tine dimuc		•			





7 of 9

	An	nua	inspection	I C	X I	esi	5							
Date: Nov 17 2015	Loca	ation: _	Bu	ilding	g "A	" High E	Зау (	Cent	er	19				
Control Valves						(1)					173-70	37.19		
Are all control valves identifie	d?						2	X Y	es		No		N/A	
Are all control valves locked,	sealed or	equippe	ed with a supervisory sv	vitch?	?		2	X Y	es		No		N/A	
Are all control valves in the ne	ormal ope	en or clos	sed postion?				2	X Y	es		No	1-1	N/A	
Are all control valves free from	m externa	I leaks?					2	X Y	es		No		N/A	
During this inspection was ea	ch contro	l valve o	perated through its full	range	e?		2	X Y	es		No		N/A	
If applicable post indicator va		1986	. S				L	_	es		No	Х	N/A	
If applicable post indicator &	OS&Y va	ves were	e backed 1/4 turn from	fully	oper	position	n? ;	<b>X</b> Y	es		No		N/A	
Control Valve Table														
Control Valve Function	# of Valves	Size	Type of Valve		Op	en		Sec	ured			Sig	gns	
System control valve	1	6"	OS+Y	Х	Υ	N	X	Υ		Ν	X	Υ		N
					Υ	N		Υ		Ν		Υ		Ν
					Υ	N		Υ		Ν		Υ		Ν
					Υ	N		Y		Ν		Υ		Ν
					Υ	N		Υ		Ν		Υ		Ν
					Υ	N		Υ		Ν		Υ	today.	N
					Υ	N		Υ	797	Ν		Υ		Ν
					Υ	N		Υ	es.	Ν		Υ		N
					Υ	N		Υ		Ν		Υ		Ν
					Υ	N		Υ		Ν		Υ		N
Backflow Prevention Assemblies (Section 13.6)  All backflow preventers installed in fire protection system piping shall be tested annually in accordance with the following:  (1) A forward flow test shall be conducted at the system demand, including hose stream demand, where hydrants or inside hose stations are located downstream of the backflow preventer.  (2) A backflow performance test, as required by the authority having jurisdiction, shall be conducted at the completion of the forward flow test.  For backflow preventers sized 2" and under a forward flow test is acceptable to conduct without measuring flow, where the test outlet is of a size to flow the system demand.  Where connections do not permit a full flow test, test shall be completed at the maximum flow rate possible.														
Connections do exist to permit a full forward flow test?  A forward flow test was conducted at the system demand, including hose stream?  The forward flow test results met the system demand, including hose stream?  If no connections are available was a flow test conducted at maximum flow rate possible?  Was there a way of measuring the maximum flow rate?  What flow rate was measured during the maximum flow rate?  Was the backflow preventer tested with a separate report to check for no backflow?  Yes No N/A  N/A  N/A  N/A  N/A														



### Automatic Sprinkler Systems

8 of 9

Date:	A STATE OF THE STA	Location:	Building "A" High Bay Center
An instance of the connection	ection at the end of one of cting for the presence of risual obstruction investing what year was the investing was the visual obstruction investing the contraction in th	ranch line conditions main and by removi foreign organic and gation of piping bee estigation completed on investigation cor gation results appea further flushing inve	n conducted within the last four (4) years? Yes X No N/A
be do		onice. Onichown w	men last obstruction investigation was done and should
	7.06		
	1		
The s		deficiencies that sh	ould be reviewed with the authority having jurisdiction to determine on investigation of piping should be done every 5 years.
D2	Internal Inspection of	alarm valve and c	omponents should be done every 5 years.
D3	Gauges are older the		
D4	Fire department conn	ection is missing	one 2.5" cap and should be replaced.
D5	Fire department conn	ection should hav	e a identification sign.
D6	1 11	7 19 1	
D7			
D8	1 2 7 1 1 1 1 1 1 1 1 1		and and any deposit of a second and a second a second and
D9			
D10			
D11	u ydjenuu	4.51.111.8	
D12			
D13			CANADA CANADA IN SAINT SAINT SAINT AND AND AND AND
D14			
D15			
D16	Ti>=		ulut <u>i i muga ardela e est. Este la </u>
D17			
D18			
D19			
D20			The season of th
D21			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
D22			Special and the William State of the Control of the
D23			CONTROL MAN TO SECURE AND SECURIOR SECU
		(Use back	of page if further room is needed)



### Automatic Sprinkler Systems

9 of 9

	Ailliadi liispeetioli di 16363							
Date: _	Nov 17 2015	Location:	Building "A" High Bay Center					
We recom and are p	rovided for information	on only. Corrections of th	pection and test. These recommendations are not deficiencies lese recommendations are dependent on the owner or authority remounted onto column.					
		should be installed to pr						
R4								
R5								
R6.								
R7 R8.								
R9.								
T.O		(Use back of pa	ge if further room is needed)					
access, co			ne building (monitoring company, special codes, keys					
			,					
whether or failure, and and condit confirmation	operational test insp r not the system mee d any subsequent da ion of equipment at a	ets current code or standa mage or loss consequen actual time of testing. Ov	e a review or analysis of the system design to determine ards. BDR Services Ltd. is not responsible for any equipment tial or direct. BDR Services Ltd. is merely verifying operation where is responsible for system installation, maintenance and net any time there are alterations, additions, renovations and					
Inspector:	Bart Dlugosz		Inspection Date: Nov 17 2015					
Licence SI	P/WFD #: 223/79	2	Owner Representative:					
Signature:	ignature: Signature:							





1 of 9

As per NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, 2008 Edition										
Date:	Nov 17 2015	Inspector	: E	Bart Dlugosz	Ins	pector SP/W	VFD #:	22	3/792	
Property Name:		Transit Fort			AND THE PROPERTY OF THE PROPER		-			
Tenant Name:	Building "A	\"						1.4		_
Address: 421 Osborne Street									_	
City:	Winnipeg Province: MB Postal Code:									
Contact:	Alex Veche	rya			— Pho	one:				
General										
Building		Building "A'	' C.T.S - Co	ommunication &	Traffic S	Services				
System Designa	ition	Communica	tion / Traff	ic Services						
Location of sprin	ıkler valve	Main Entran	ce Radio S	Shop				h_		
Type of sprinkle	r system	xw	et	Dry	Ī	Deluge		reaction		
Is the building od	ccupied?						<b>X</b> Yes	No	,	N/A
Is the system in	service?						<b>X</b> Yes	No	,	N/A
The valve heade	er room(s) app	pears to be ad	lequately he	eated?			X Yes	No	)	N/A
The valve heade	er room(s) hav	ve a low-temp	erature ala	rm?			Yes	No	X	N/A
Is it known that t	he system(s)	is hydraulical	ly calculate	d?			Yes	X No	·	N/A
If yes, is hydraul							Yes	No	X	N/A
Is there a minim deflector?	um of 18"clea	arance betwee	en storage/	obstructions and	the sprink	der	x Yes	N	<u>_</u>	N/A
Do all exterior or	penings appe	ar to be prote	cted from fr	eezing?			X Yes	No	>	N/A
				ppear to be in goo ations/additions s			X Yes	No		N/A N/A
Explain No Ansv	wers / Comm	ents: Sys	tem appea	rs to be pipe sc	hedule sy	ystem.				
Water Supply										_
Service Independent Property of	000000 0 00 1000			good condition?			Yes	N	X	N/A
(Water storage	tanks, private	fire service m	nains, etc. a	are not covered u	nder this i	inspection.)				
Pumps (Fire Pu	ımp(s) are no	t cover <u>ed u</u> nd	ler this insp	ection.)			_			
Is fire pump Diesel Electric Gasoline X None										
When was pump last inspected?										
Does pump app	ear to be in g	ood condition	?				Yes	No	X	N/A
Explain No Ansv	wers / Comm	ents:								- 10



#### Automatic Sprinkler Systems

1 of 9

### **Annual Inspection & Tests**

As per NFPA 25, Standard for the Inspection, Testing, and Maintenance of

Water-Based Fire Protection Systems, 2008 Edition									
Date: N	Nov 17 2015	Inspe	ctor:	Bart Dlugo	osz	Inspector SP/\	NFD #:	223/	792
Property Name:	Winnipeg	Transit I	Fort Rouge			NOT THE TAXABLE PROPERTY.			
Tenant Name:	Building "A	"					4		
Address:	421 Osborn	e Street				14	etal L		
City:	Winnipe	eg	_ Province:	=1	MB	Posta	I Code: _		
Contact:	Alex Vecher	rya				Phone :	all un	N. n.	
General									
Building		Building	"A" C.T.S -	Communic	ation & Tra	ffic Services	NeC.		
System Designa	tion	Commu	nication / Tra	affic Servic	es	at fin ionsome			
Location of sprin	kler valve	Main En	trance Radio	Shop	Austin		do		
Type of sprinkler	r system	х	Wet	Dry		Deluge	Pr	eaction	
Is the building od	ccupied?						<b>X</b> Yes	No	N/A
Is the system in	service?						<b>X</b> Yes	No	N/A
The valve heade	er room(s) app	ears to b	e adequately	heated?			<b>X</b> Yes	No	N/A
The valve heade	er room(s) hav	e a low-te	emperature a	larm?			Yes	No	X N/A
Is it known that t	he system(s)	is hydrau	lically calcula	ted?			Yes	<b>X</b> No	N/A
If yes, is hydrauli							Yes	No	X N/A
Is there a minim deflector?	um of 18"clea	arance be	tween storag	e/obstructio	ns and the s	sprinkler	x Yes	No	N/A
Do all exterior on	nenings anne	ar to be n	rotected from	freezing?			X Yes	No	- N/A
If a hand hose is					e in good co	andition?	X Yes	H <sub>No</sub>	- N/A
Confirm that the				10.100	•			HINO	
inspection?	.5		,				X	No	N/A
Explain No Ansv	vers / Comme	ents:	System appe	ears to be p	ipe schedu	ıle system.			
Water Supply Do reservoirs, ta	nke or proce	uro tonko	annear to be	in good co	adition?		Yes	∏No I	X N/A
(Water storage t	V-91 11.4		-00-E0	_		this inspection			IN/A
Pumps (Fire Pu					rered under	una mapecuon.)			
Is fire pump	ilip(s) are not	Covered	Diesel		ectric	Gasoline		None	
When was pump	n last inspect	-d2	Diesei	<u></u>	Sourie	Дазоппе	<u> </u>	None	
The second secon		-	tion?				Yes	No I	K N/A
17 100	Does pump appear to be in good condition?  Lyles No Answers / Comments:								



### Automatic Sprinkler Systems

2 of 9

Date: Nov 17 2015 Location: Building "A" C.T.S - Communicati	on & Traffic	Services
Fire Department Connections (Section 13.7)  This section	is Not Appli	cable:
FDC Location: Across the street of 520 Brandon street		.911
Are identification signs provided and in place?	Yes	X No N/A
The connections are visible and accessible?	X Yes	No N/A
Couplings or swivels are not damaged and rotate smoothly?	<b>X</b> Yes	No N/A
Plugs or caps are in place and undamaged?	Yes	X No N/A
Gaskets are in place and in good condition?	<b>X</b> Yes	No N/A
The check valve is not leaking?	Yes	No X N/A
The automatic drain valve is in place and appears to be working and in good condition?	Yes	No X N/A
The connection clapper(s) is in place and appears to be operating properly?	<b>X</b> Yes	No N/A
Explain No Answers / Comments: Located on the street. There is a valve pit nea	r FDC and wa	as not
inspected during this inspection. Fire department connection feeds building "A" a	and westside	of building
"B". FDC is missing ONE 2.5" cap.		
General Condition, Inspected From Floor Level (Section 5.2)  This section	is Not Appli	cable:
Sprinkler heads appear to be in good condition? (Not corroded, loaded, painted, damaged)	Yes	X No N/A
Piping appears to be in good condition? (Not damaged, leaking, corroded, bent)	X Yes	No N/A
Hangers or Braces appear to be in good condition? (Not damaged, loose, rusted, missing)	X Yes	No N/A
Devices, valves and gauges appear to be in good condition?	X Yes	No N/A
Is stock of spare sprinklers available along with appropriate sprinkler wrench(s)?	X Yes	No N/A
Explain No Answers / Comments: Refer to page 8 deficiencies.		
	): I	=
Sprinkler Testing (Section 5.3) This section	ı is Not Appli	cable:
All sprinklers installed have been manufactured after 1920?	<b>X</b> Yes	No N/A
Standard response sprinklers are less than fity (50) years old?	<b>X</b> Yes	No N/A
Fast response sprinklers are less than twenty (20) years old?	Yes	No X N/A
Extra high (325 °F or higher) sprinklers have been tested at five (5) year intervals?	Yes	No X N/A
Dry sprinklers are less than ten (10) years old?	Yes	No X N/A
(Sprinklers that do not meet the above criteria are required to be replaced or representa	tive samples	from one or
more sample areas shall be tested. Test procedures shall be repeated at various interv	als as stated i	in NFPA 25)
Explain No Answers / Comments:		
		100



#### Automatic Sprinkler Systems 3 of 9 **Annual Inspection & Tests** Date: Nov 17 2015 Location: Building "A" C.T.S - Communication & Traffic Services Gauges (Section 5.3.2) This section is Not Applicable: Gauges shall be replaced every five (5) years or tested every five (5) years by comparison with a calibrated gauge. Gauges not accurate to within three (3) percent of the full scale shall be recalibrated or replaced. Gauges are less than five (5) years old? N/A Yes X No Gauges have been compared against a calibrated gauge and are within three (3) percent? Yes No N/A Gauges have been replaced during this annual inspection? Yes N/A Explain No Answers / Comments: Gauges dated 2009 (x2) Should be replaced. Main Drain Test (Section 13.2.5) This section is Not Applicable: This Year (All readings should be from the supply pressure lower gauge) Last Record the static water supply pressure with no flow. Static PSI Before 75 Residual PSI Open the main drain and allow water flow to stabilize. Record the pressure. 73 75 Close the main drain slowly. Record the pressure after gauge has stabilized. Static PSI After What date was the last main drain test done? 2" 2014 Size of the Main Drain? Explain No Answers / Comments: Drain does not handle test. Wet System (Section 13.4) This section is Not Applicable: The gauges indicate normal water pressure is being maintained? X Yes No N/A Does alarm valve appear to be free of physical damage? Yes No N/A All trim valves are in the appropriate open or closed position? Yes No N/A The alarm drains are not leaking? Yes No N/A Wet system is equipped with a tail-end anti-freeze system(s)? N/A Anti-freeze solution reading is at what freezing point? Anti-freeze solution freezing point appears to be satisfactory? X Yes No N/A Explain No Answers / Comments: Wet System Test Table for Wet Alarm Valve This section is Not Applicable: Size Make Model Serial # Location of Inspectors Test Grinnell F1837 Sign storage area (Ensure alarm company is notified to avoid false alarms.) **Alarm Time** Static PSI Residual PSI Test alarm valve water flow alarm switch by opening inspector's test valve. 120 psi 32 sec 70 psi Wet System Low-Water-Pressure Switch Is the wet system equipped with a low-water-pressure switch? Yes X No If Yes, open drain test valve to reduce water pressure slowly. Confirm operation of low pressure switch, record water pressure at which low pressure switch activated. Close drain test and pump system up to normal pressure PSI and restore to service. Record pressure. Explain No Answers / Comments: System Does not have a Low Pressure switch. One should be installed.





4 of 9

		P	Annual Ir	ispection (	& lests			
Date: _	Nov 17 201	5	Location:	Building "A" C.T.S -	Communication	& Traffic Ser	vices	
Wet System Inspection (Section 13.4.1.2)  Alarm valves and their associated strainers, filters, and restriction orfices shall be inspected internally every five (5) years unless tests indicate a greater frequency is necessary.								
150	Has the internal inspection been completed within the last four (4) years?  Yes X No N/A							
If Yes, wh	If Yes, what year was the inspection completed?Unknown							
If No, wa	If No, was the internal inspection done during this annual inspection?							
Explain N	lo Answers / C	omments:	Unknown w	hen last wet system	inspection was a	nd should be	done.	
	tem Vane Typer-flow alarm b			nd record time that ala	This section is rm registers.	Not Applicab	ole: X	
	witch Zone Desi			of Inspectors Test	Static PSI	Alarm Time	Residual PSI	
	· · · · · · · · · · · · · · · · · · ·							
Dry Pipe	System (Sect	tion 13.4.4	)		This section is			
			nysical damage?			Yes	No N/A	
			te open or closed	position?		Yes	No N/A	
	mediate cham		2.700			Yes	No N/A	
A tag or o	card with the la	st trip date	and who conduc	ted the test is attached	d to the valve?	Yes	NoN/A	
Size	Make	Model	Serial #	L	ocation of Inspec	tors Test		
Explain N	No Answers / C	omments:					) 	
45							a control of the same of	



### Automatic Sprinkler Systems

5 of 9

Aimuai inspection & rests							
Date: Nov 17 2015 Location: Building	g "A" C.T.S - Communicatio	n & Traffic Se	rvices				
Dry System Low-Air-Pressure Switch	go at the same of the same of the same of						
Is the dry system equipped with a low-air-pressure switch?		Yes	No X N/A				
If Yes, close the water supply valve isolate quick opening deducing drain test valve to reduce air pressure slowly. (Do not reducivalve.) Confirm operation of low pressure switch, record air activated. Close drain test valve, allow air pressure to rise to device and water supply valve.  Explain No Answers / Comments:	e air pressure sufficiently to tr pressure at which low pressu	ip the dry pipe re switch	PSI				
Dry Pipe System Trip Test Table  Every three (3) years and whenever the system is altered, the dry pipe valve shall be trip tested with the control valve fully open and the quick-opening device, if provided in service. During the years when full flow testing is not required, the dry pipe valve shall be trip tested with the control valve partially open.  Has the dry pipe valve been tripped with the control valve fully open in the last two  (2) years. If yes, what year was the fully open trip test conducted?  This section is Not Applicable:  X  Perposition is Not Applicable:  Yes							
If No, is the fully open trip test being conducted during this ar	nnual inspection?	Yes	NoN/A				
Normal air pressure as per the Manufacturers recommendat	ion		PSI				
Trip test the dry pipe valve. Record the time from opening the inspectors test valve until the dry pipe valve trips.	Trip Point Air PSI	Time Water To Inspectors Test					
Did the valve and alarm operate properly?		Yes	No N/A				
Dry pipe valve interior appears clean and satisfactory?		Yes	No N/A				
Quick-opening device operated properly?  Is a sign provided at the dry pipe valve indicating the number of auxiliary drains and location of each auxiliary drain?  Yes No N/A N/A							
Were all identified auxiliary drains drained during this inspec	tion?	Yes	No N/A				
Air supply appears to be adequate?		Yes	No N/A				
Automatic air pressure maintenance device appears to opera	ate properly?	Yes	No N/A				
Was the dry pipe valve filled with priming water after it was tr	rip tested and reset?	Yes	No N/A				
Explain No Answers / Comments:	Yan shi	1					
Dry Pipe System Inspection (Section 13.4.4.1.6) Dry pipe valve strainers, filters, and restriction orfices shall b indicate a greater frequency is necessary. Has the internal inspection been completed within the last fo If Yes, what year was the inspection completed? If No, was the internal inspection done during this annual ins Explain No Answers / Comments:	e inspected internally every fivur (4) years?	is Not Applica ve (5) years unl					



Automa	Automatic Sprinkler Systems 6 of 9								
Annual Inspection & Tests									
Date: _	Nov 17	<b>2015</b> L	ocation: Bui	ilding "A" C.	T.S - Commur	ication & Traffic Se	rvices		
Preaction	n / Deluge	e System			This se	ection is Not Applic	able: X		
Does valv	Ooes valve appear to be free of physical damage?								
All trim va	All trim valves are in the appropriate open or closed position?								
The valve	seat is n	ot leaking?				Yes	No N/A		
The elect	The electrical components are in service?  Yes No N/A								
Size	Make	Model	Serial #			h What Does Not A			
				Deluge	Preaction	Closed Nozzles	Open Nozzles		
Is the pred	action sys	ater supply valve	ith a low-air-pressure and carefully open o	drain test valv			No N/A		
			larm, record air pres to normal, then oper			activation. Close dra	PSI		
The pread the nature test shall years. Pr	Preaction / Deluge System Trip Test Table (13.4.3.2.2.2)  This section is Not Applicable:  The preaction / deluge valve shall be trip tested annually as per the manufacturer's instructions. Where the nature is such that water discharge cannot occur unless protected equipment is shutdown, a full flow test shall be conducted at the next scheduled shutdown. In all cases the test frequency shall not exceed 3 years. Preaction or deluge valves protecting freezers shall be trip tested in a manner that does not introduce moisture into the piping in the freezer.								
Water	Air	Trip Point	Number of detecto	ors required	Brief de	escription of valve	operation		
PSI	PSI	Air PSI	to trip Preaction	n system					
Did the va	alve and a	larm operate pro	perly?			Yes	No N/A		
		ctuation devices of				Yes	No N/A		
_			scharge pattern app	ear to be sat	isfactory?	Yes	No N/A		
		to be adequate?				Yes	No N/A		
	- 4		e device appears to			Yes	No N/A		
		0.50	riming water after it	was trip teste	ed and reset?	Yes	No N/A		
Explain No Answers / Comments:									
Preaction / Deluge System Maintenance (Section 13.4.3.1.7.1) Interior cleaning and parts replacement or repair shall be permitted every five (5) years for valves that can be reset without removal of the faceplate. If the valve cannot be reset externally the cleaning, replacement or repair shall be completed annually.									
The valve requires internal resetting, thus the inspection is done during this inspection?  Yes No N/A									
The valve can be reset externally thus has the inspection been done within the last four									
(4) years?	' If Yes, v	vhat year was the	e inspection complet	ted?		Yes	No N/A		
If No, was	the interr	nal inspection do	ne during this annua	al inspection?	)	Yes	No N/A		
Explain No Answers / Comments:									



## Automatic Sprinkler Systems

7 of 9

Date: Nov 17 2015	Loc	ation:	Building "A" C	.T.S -	Comn	nunica	tion	& T	raffic S	ervio	es		_
Control Valves  Are all control valves identified?  Yes X No N/A													
			d				-	_		-		1	
	Are all control valves locked, sealed or equipped with a supervisory switch?  Are all control valves in the normal open or closed postion?  X Yes No N/A												
Are all control valves free from external leaks?  X Yes No N/A													
Ouring this inspection was each control valve operated through its full range?  X Yes No N/A													
f applicable post indicator valves were opened until spring tension was felt?  Yes No X N/A population of applicable post indicator & OS&Y valves were backed 1/4 turn from fully open position? X Yes No N/A													
	US&Y Val	ves were	e backed 1/4 turn from	i tully (	open p	osition	? _ 2	Y	es	No	191	N/A	
Control Valve Table	# of		. Mes	-						_			
Control Valve Function	Valves	Size	Type of Valve	sit. H	Ope	n		Seci	ured	1487	Sic	gns	
System control valve	1	6"	OS+Y	Х	Υ	N	X	Υ	N	х	Υ		N
Low bay west traffic	1	6"	G.O.B	Х	Υ	N	Х	Υ	N		Υ	х	N
Mary All Control			TT C	\$ X A	Υ	N	1 13	Υ	N		Υ		N
111			7 1	e mil	Υ	N		Υ	N		Υ		N
79	14 17 14				Υ	N		Υ	N		Υ		Ν
		dr.			Υ	N		Υ	N		Υ		N
					Υ	N		Υ	N		Υ		Ν
			The second of th		Υ	N		Υ	N	-	Υ		Ν
			.0.1110	u.B.	Y	N		Υ	N		Υ		N
					Υ	N		Υ	N		Υ		N
Backflow Prevention Assemblies (Section 13.6)  This section is Not Applicable:  All backflow preventers installed in fire protection system piping shall be tested annually in accordance with the ollowing:  1) A forward flow test shall be conducted at the system demand, including hose stream demand, where hydrants or naide hose stations are located downstream of the backflow preventer.  2) A backflow performance test, as required by the authority having jurisdiction, shall be conducted at the completion of the forward flow test.  For backflow preventers sized 2" and under a forward flow test is acceptable to conduct without measuring flow, where the test outlet is of a size to flow the system demand.  Where connections do not permit a full flow test, test shall be completed at the maximum flow rate possible.  Connections do exist to permit a full forward flow test?  A forward flow test was conducted at the system demand, including hose stream?  The forward flow test results met the system demand, including hose stream?  Yes No N/A													
If no connections are availab Was there a way of measurii				n flow	rate p	ossible	?	$\neg$	es	No		N/A	
What flow rate was measure	-								es	No		N/A	
Was the backflow preventer				r no b	ackflov	w?				No		N/A	



## Automatic Sprinkler Systems

8 of 9

Date:	Nov 17 2015	Location: _	Building "A" C.T.S - Communication & Traffic Services
An insconners of the conners of the	ection at the end of one main cting for the presence of fore risual obstruction investigation, what year was the investigation was the visual obstruction invisual obstruction investigation on this years results a furth in No Answers / Comments:	n line condition and by remote ign organic at the o	een conducted within the last four (4) years? Yes X No N/A
The s		ciencies that	should be reviewed with the authority having jurisdiction to determine ction investigation of piping should be done every 5 years.
D2	Internal Inspection of alar	m valve and	components should be done every 5 years.
D3	Gauges are older then 5 y		
D4	All system control valves	should be id	lentified and "keep open" signs should be installed.
D5	Fire department connection		
D6	De30		g one 2.5" cap and should be replaced.
D7	There are approx. EIGHT I	oaded head	s in Radio shop and should be cleaned.
D8			
D9			
D10			
D11			
D12			
D13			
D14			
D15			
D16			
D17			
D18			
D19 .			
D20 .			
D21 .			
D22 .			
D23 .		21.	
		(Use bad	ck of page if further room is needed)



## Automatic Sprinkler Systems

9 of 9

			•
Date:	Nov 17 2015	Location:	Building "A" C.T.S - Communication & Traffic Services
	ommendations		No. 1 Garage
We re	ecommend the follow	ving based on this annu	ual inspection and test. These recommendations are not deficiencies
			ns of these recommendations are dependent on the owner or authority
havin	g jurisdiction. R1.		
I			
R2.			d to prevent false alarms.
R3.	Drains should be	cleaned out to better h	handle drain test.
R4.	<del>- 1-4-1-</del>		
R5.		<u> </u>	
R6.	-		
R7.			
R8.	7		3
R9.		(Lise hac	k of page if further room is needed)
Gene	eral Notes	(036 baci	k of page if further room is needed)
		mation here with respe-	ct to the building (monitoring company, special codes, keys
acces	ss, confined space, e	etc.)	
Syste	m monitored by Pr	rotelec 204-949-1415.	
-		- 10 part of 11 part of 12	Alternational State of the Stat
		1 - 1 1 1	
	-		
		5	
		-	
	7, == -		
This is wheth failure	ner or not the system e, and any subseque	meets current code or sent damage or loss conse	include a review or analysis of the system design to determine standards. BDR Services Ltd. is not responsible for any equipment sequential or direct. BDR Services Ltd. is merely verifying operation
confire	mation that system inge of occupancy.	nstallation requirements	ng. Owner is responsible for system installation, maintenance and s are met any time there are alterations, additions, renovations and
Insped	ctor: Bart Dlugos	z	Inspection Date: Nov 17 2015
Licenc	ce SP/WFD #: 22	23/792	Owner Representative:
Signat	ture: Bau	<u>a</u>	Signature:





#### Automatic Sprinkler Systems

1 of 9

Water-Based Fire Protection Systems, 2008 Edition							
Date: Nov 17 2015 Inspector: Bart Dlugosz Inspector SP/WFD #: 223/792							
Property Name: Winnipeg Transit Fort Rouge							
Tenant Name: Building "A"							
Address: 421 Osborne Street							
City: Winnipeg Province: MB Postal Code:							
Contact: Alex Vecherya Phone :							
General							
Building "A" High Bay East							
System Designation East High Bay							
Location of sprinkler valve In front of Bus Bay 19 Valve room							
Type of sprinkler system  X Wet  Dry  Deluge  Preaction							
Is the building occupied?							
Is the system in service?							
The valve header room(s) appears to be adequately heated?							
The valve header room(s) have a low-temperature alarm?							
Is it known that the system(s) is hydraulically calculated?							
If yes, is hydraulic information sign provided at valve(s)?							
Is there a minimum of 18"clearance between storage/obstructions and the sprinkler deflector?							
Do all exterior openings appear to be protected from freezing?							
If a hand hose is part of the sprinkler system does it appear to be in good condition?  Confirm that the building has not undergone any alterations/additions since the last inspection?  Yes No X No X No							
Explain No Answers / Comments: System appears to be pipe Schedule system.							
Water Supply							
Do reservoirs, tanks, or pressure tanks appear to be in good condition?  Yes No X No							
(Water storage tanks, private fire service mains, etc. are not covered under this inspection.)							
Pumps (Fire Pump(s) are not covered under this inspection.)  Is fire pump  Diesel  Electric  Gasoline  X None							
When was pump last inspected?							
Does pump appear to be in good condition?							
Explain No Answers / Comments:							



### Automatic Sprinkler Systems

2 of 9

Date: Nov 17 2015 Location: Build	ling "A" High Bay East
Fire Department Connections (Section 13.7)	This section is Not Applicable:
FDC Location: Across the street of 520 Brandon street	130
Are identification signs provided and in place?	Yes X No N/A
The connections are visible and accessible?	X Yes No N/A
Couplings or swivels are not damaged and rotate smoothly?	X Yes No N/A
Plugs or caps are in place and undamaged?	Yes X No N/A
Gaskets are in place and in good condition?	X Yes No N/A
The check valve is not leaking?	Yes No X N/A
The automatic drain valve is in place and appears to be working and in	good condition? Yes No X N/A
The connection clapper(s) is in place and appears to be operating prope	erly? X Yes No N/A
Explain No Answers / Comments: Located on the street. There is	a valve pit near FDC and was not
inspected during this inspection. Fire department connection feed	s building "A" and westside of building
"B". FDC is missing ONE 2.5" cap.	
	<u></u>
General Condition, Inspected From Floor Level (Section 5.2)	This section is Not Applicable:
Sprinkler heads appear to be in good condition? (Not corroded, loaded, po	ainted, damaged) X Yes No N/A
Piping appears to be in good condition? (Not damaged, leaking, corroded,	bent) X Yes No N/A
Hangers or Braces appear to be in good condition? (Not damaged, loose,	, rusted, missing) X Yes No N/A
Devices, valves and gauges appear to be in good condition?	X Yes No N/A
Is stock of spare sprinklers available along with appropriate sprinkler wr	rench(s)? X Yes No N/A
Explain No Answers / Comments:	PROPERTY OF THE PROPERTY OF TH
Sprinkler Testing (Section 5.3)	This section is Not Applicable:
All sprinklers installed have been manufactured after 1920?	X Yes No N/A
Standard response sprinklers are less than fity (50) years old?	X Yes No N/A
Fast response sprinklers are less than twenty (20) years old?	Yes No X N/A
Extra high (325 °F or higher) sprinklers have been tested at five (5) yea	
Dry sprinklers are less than ten (10) years old?	Yes No X N/A
(Sprinklers that do not meet the above criteria are required to be replac	
more sample areas shall be tested. Test procedures shall be repeated	at various intervals as stated in NFPA 25)
Explain No Answers / Comments:	



Autom	atic Sprinkl	er Systems	S				3 of 9			
ř.	economination 251 ∰ 1255 155511	=		nspection & T	Toete					
		AI	IIIuai II	ispection & i	6313					
Date:	Nov 17 201	<u>5</u> Lo	cation:	Building "A	" High Bay East					
Gauges	(Section 5.3.2	)		Thi	is section is Not A	pplicable:	1			
			(5) years or tes	ted every five (5) years by c	omparison with a ca	alibrated ga	uge.			
				ne full scale shall be recalibr						
Gauges	are less than fi	ve (5) years o	ld?		Y	es X No		/A		
				gauge and are within three (3	3) percent?	es No				
Gauges	have been repl	aced during t	his annual insp	ection?	LY	es X No	0N	/A		
Explain l	No Answers / C	omments:	Gauges date	ed 2009 (x2) Should be rep	olaced.					
Main Dr	Main Drain Test (Section 13.2.5)  This section is Not Applicable:									
The same second	lings should be		•			This Year	Last			
	the static water				Static PSI Before					
				e. Record the pressure.	Residual PSI					
1000000 F 1 1 1 20			- 10 A TOTAL CONTRACTOR OF THE PARTY OF THE	ofter gauge has stabilized.	Static PSI After	011		_		
A A A	te was the last				f the Main Drain?	2"				
Explain	No Answers / C	comments:	Drain does	not handle test. Should be	cleaned out.			_		
Wet Sys	stem (Section	13.4)		Thi	is section is Not A					
The gau	ges indicate no	rmal water pr	essure is being	g maintained?	X	es No	o N	/A		
	arm valve appe					es N		/A		
	alves are in the		open or closed	position?		es N		/A		
PODESCRIPT PRODUCTION	m drains are no					es N		/A		
	tem is equipped				Y	es X N	о <u> </u>	/A		
	ze solution rea									
	ze solution free	- A A			Y	es N	o X N	IA		
Explain	No Answers / C	comments:	No tail end	Anti-freeze system.				_		
	stem Test Tabl				is section is Not A on of Inspectors T					
Size 6"	Make Grinnell	Model	Serial # 4681		Run shop / Test s			-		
_	alarm compan	v is notified to					esidual	PSI		
100				g inspector's test valve.		52 sec	70 psi			
				J						
	stem Low-Wate			re switch?		es X N	оПи	/A		
- 20 1	Yes, open drain test valve to reduce water pressure slowly. Confirm operation of low pressure switch, record water ressure at which low pressure switch activated. Close drain test and pump system up to normal pressure									
	ore to service.	. Sooul o office	301114104. 0	a.a toot and panip by	Record pressur		F	PSI		
	No Answers / C	comments:	No low pres	sure switch, One should I	2-1 TE 192 18					
					,					



## Automatic Sprinkler Systems

4 of 9

Building B Main flow In sprinkler room 19 sec    Dry Pipe System (Section 13.4.4)   This section is Not Applicable:   X				iiiidai II	ispection (	G 10010				
Alarm valves and their associated strainers, filters, and restriction orfices shall be inspected internally every five (5) years unless tests indicate a greater frequency is necessary.  Has the internal inspection been completed within the last four (4) years?  If No, was the inspection done during this annual inspection?  Explain No Answers / Comments:  Unknown when last wet system inspection was and should be done.  Wet System Vane Type Flow Alarms  This section is Not Applicable:  Test water-flow alarm by opening inspector's test and record time that alarm registers.  Flow Switch Zone Designation  Location of Inspectors Test  Static PSI  Alarm Time  Residual PS  Building B Main flow  In sprinkler room  19 sec  Dry Pipe System (Section 13.4.4)  Dry Pipe System (Section 13.4.4)  Dry Pipe System (Section 13.4.4)  This section is Not Applicable:  X  Yes  No  No  No  No  No  Alarm Time  Residual PS  Location of Inspectors Test  Location of Inspectors Test  No  No  No  No  No  At ag or card with the last trip date and who conducted the test is attached to the valve?  Yes  No  No  No  No  No  Size  Make  Model  Serial #  Location of Inspectors Test	Date: _	Nov 17 2015	1975	_ocation:	Buildi	ng "A" High Bay I	East			
If Yes, what year was the inspection completed?  If No, was the internal inspection done during this annual inspection?  Explain No Answers / Comments:  Unknown when last wet system inspection was and should be done.  Wet System Vane Type Flow Alarms  This section is Not Applicable:  Test water-flow alarm by opening inspector's test and record time that alarm registers.  Flow Switch Zone Designation  Location of Inspectors Test  Static PSI  Alarm Time  Residual PS  Building B Main flow  In sprinkler room  19 sec  In sprinkler room  This section is Not Applicable:  X  Alarm Time  Residual PS  Building B Wain flow  In sprinkler room  This section is Not Applicable:  X  Alarm Time  Residual PS  Building B Wain flow  In sprinkler room  This section is Not Applicable:  X  Alarm Time  Residual PS  Building B Wain flow  In sprinkler room  I	Alarm valvevery five	ves and their as (5) years unles	sociated s s tests inc	strainers, filters, a licate a greater fr	equency is necessary.	shall be inspected	internally	_		
If No, was the internal inspection done during this annual inspection?  Explain No Answers / Comments:  Unknown when last wet system inspection was and should be done.  Wet System Vane Type Flow Alarms  This section is Not Applicable:  Test water-flow alarm by opening inspector's test and record time that alarm registers.  Flow Switch Zone Designation  Location of Inspectors Test  Static PSI  Alarm Time  Residual PS  Building B Main flow  In sprinkler room  19 sec  Dry Pipe System (Section 13.4.4)  This section is Not Applicable:  X  Does valve appear to be free of physical damage?  All trim valves are in the appropriate open or closed position?  The intermediate chamber is not leaking?  A tag or card with the last trip date and who conducted the test is attached to the valve?  Yes No No  No  No  Size Make Model Serial # Location of Inspectors Test										
Explain No Answers / Comments: Unknown when last wet system inspection was and should be done.  Wet System Vane Type Flow Alarms  Test water-flow alarm by opening inspector's test and record time that alarm registers.  Flow Switch Zone Designation  Location of Inspectors Test  Static PSI Alarm Time Residual PS  Building B Main flow  In sprinkler room  19 sec  In sprinkler room  This section is Not Applicable:  This section is Not Applicable:  This section is Not Applicable:  X  Does valve appear to be free of physical damage?  All trim valves are in the appropriate open or closed position?  The intermediate chamber is not leaking?  A tag or card with the last trip date and who conducted the test is attached to the valve?  Yes No N/  Yes N										
Wet System Vane Type Flow Alarms Test water-flow alarm by opening inspector's test and record time that alarm registers. Flow Switch Zone Designation Location of Inspectors Test Static PSI Alarm Time Residual PS Building B Main flow In sprinkler room 19 sec  In sprinkler room In special room In sprinkler room In sprinkler room In sprinkler room In sprinkler room In special room In special room In special room In sprinkler room In special room In sprinkler room In special room I										
Test water-flow alarm by opening inspector's test and record time that alarm registers.  Flow Switch Zone Designation  Location of Inspectors Test  Static PSI  Alarm Time  Residual PSI  Building B Main flow  In sprinkler room  19 sec  In sprinkler room  In spr	Explain N	o Answers / Col	mments:	Unknown W	nen läst wet system	inspection was a	na snoula be	e done.		
Building B Main flow In sprinkler room 19 sec    Dry Pipe System (Section 13.4.4)   This section is Not Applicable:   X					d record time that ala		Not Applicat	ole:		
Dry Pipe System (Section 13.4.4)  Does valve appear to be free of physical damage?  All trim valves are in the appropriate open or closed position?  The intermediate chamber is not leaking?  A tag or card with the last trip date and who conducted the test is attached to the valve?  Size Make Model Serial # Location of Inspectors Test	Flow Sv	vitch Zone Desig	nation	Location	of Inspectors Test	Static PSI	Alarm Time	Residual PSI		
Does valve appear to be free of physical damage?  All trim valves are in the appropriate open or closed position?  The intermediate chamber is not leaking?  A tag or card with the last trip date and who conducted the test is attached to the valve?  Size Make Model Serial# Location of Inspectors Test	Building	B Main flow		ln s	prinkler room	school and the	19 sec			
Does valve appear to be free of physical damage?  All trim valves are in the appropriate open or closed position?  The intermediate chamber is not leaking?  A tag or card with the last trip date and who conducted the test is attached to the valve?  Size Make Model Serial# Location of Inspectors Test					00 p (ed. 10 d 100 p 10 d	Paris and a second				
Does valve appear to be free of physical damage?  All trim valves are in the appropriate open or closed position?  The intermediate chamber is not leaking?  A tag or card with the last trip date and who conducted the test is attached to the valve?  Size Make Model Serial # Location of Inspectors Test					A Land Million of the	~ ac-				
Does valve appear to be free of physical damage?  All trim valves are in the appropriate open or closed position?  The intermediate chamber is not leaking?  A tag or card with the last trip date and who conducted the test is attached to the valve?  Size Make Model Serial # Location of Inspectors Test			and second							
Does valve appear to be free of physical damage?  All trim valves are in the appropriate open or closed position?  The intermediate chamber is not leaking?  A tag or card with the last trip date and who conducted the test is attached to the valve?  Size Make Model Serial # Location of Inspectors Test			. 123		Cale To	and the section of the	-11			
Does valve appear to be free of physical damage?  All trim valves are in the appropriate open or closed position?  The intermediate chamber is not leaking?  A tag or card with the last trip date and who conducted the test is attached to the valve?  Size Make Model Serial # Location of Inspectors Test	. 12		- N				of Cobre			
Does valve appear to be free of physical damage?  All trim valves are in the appropriate open or closed position?  The intermediate chamber is not leaking?  A tag or card with the last trip date and who conducted the test is attached to the valve?  Size Make Model Serial # Location of Inspectors Test		17			7. News	Maria de la composición del composición de la co	0.5	_		
Does valve appear to be free of physical damage?  All trim valves are in the appropriate open or closed position?  The intermediate chamber is not leaking?  A tag or card with the last trip date and who conducted the test is attached to the valve?  Size Make Model Serial # Location of Inspectors Test			- 2				1			
Does valve appear to be free of physical damage?  All trim valves are in the appropriate open or closed position?  The intermediate chamber is not leaking?  A tag or card with the last trip date and who conducted the test is attached to the valve?  Size Make Model Serial # Location of Inspectors Test						78-18-0 = 1.1				
Does valve appear to be free of physical damage?  All trim valves are in the appropriate open or closed position?  The intermediate chamber is not leaking?  A tag or card with the last trip date and who conducted the test is attached to the valve?  Size Make Model Serial # Location of Inspectors Test					Control to	4 1	<u></u>			
Does valve appear to be free of physical damage?  All trim valves are in the appropriate open or closed position?  The intermediate chamber is not leaking?  A tag or card with the last trip date and who conducted the test is attached to the valve?  Size Make Model Serial # Location of Inspectors Test							Tr. EUV.			
Does valve appear to be free of physical damage?  All trim valves are in the appropriate open or closed position?  The intermediate chamber is not leaking?  A tag or card with the last trip date and who conducted the test is attached to the valve?  Size Make Model Serial # Location of Inspectors Test										
Does valve appear to be free of physical damage?  All trim valves are in the appropriate open or closed position?  The intermediate chamber is not leaking?  A tag or card with the last trip date and who conducted the test is attached to the valve?  Size Make Model Serial # Location of Inspectors Test		_ 'L' 1-0%1		11 . 12		avis, a recei	Jelly Just			
Does valve appear to be free of physical damage?  All trim valves are in the appropriate open or closed position?  The intermediate chamber is not leaking?  A tag or card with the last trip date and who conducted the test is attached to the valve?  Size Make Model Serial # Location of Inspectors Test	Dry Pipe	System (Section	on 13.4.4)	and the second		This section is	Not Applica	ble: X		
The intermediate chamber is not leaking?  A tag or card with the last trip date and who conducted the test is attached to the valve?  Size Make Model Serial# Location of Inspectors Test	Does valv	e appear to be	free of ph	ysical damage?						
A tag or card with the last trip date and who conducted the test is attached to the valve?    Yes					position?		Yes	No N/A		
Size Make Model Serial # Location of Inspectors Test	The interr	nediate chambe	er is not le	aking?			Yes	No N/A		
	A tag or c	ard with the last	t trip date	and who conduct	ted the test is attached	d to the valve?	Yes	No N/A		
Explain No Answers / Comments:	Size	Make	Model	Serial #	L	ocation of Inspec	tors Test			
Explain No Answers / Comments:										
The state of the s	Explain N	o Answers / Co	mments:	y_ 11"						
				Harry Lie	ration of the who	AG0 - 14"	£1. 1	4 1		
							MINISTERNA MANAGEMAN			



Automatic Sprinkler Systems					5 of	9
Annual Inspec	ction	8	Tests			
Date: Nov 17 2015 Location:	Bui	lding '	'A'' High Bay	East		
Dry System Low-Air-Pressure Switch						
Is the dry system equipped with a low-air-pressure switch?				Yes	No X	N/A
If Yes, close the water supply valve isolate quick opening devidrain test valve to reduce air pressure slowly. (Do not reduce valve.) Confirm operation of low pressure switch, record air pactivated. Close drain test valve, allow air pressure to rise to device and water supply valve.  Explain No Answers / Comments:	<i>air press</i> ressure a normal, th	ure sur at which nen slo	<i>fficiently to tri<sub>l</sub></i> h low pressur	o the dry pipe e switch		PSI
Dry Pipe System Trip Test Table Every three (3) years and whenever the system is altered, the fully open and the quick-opening device, if provided in service the dry pipe valve shall be trip tested with the control valve pa Has the dry pipe valve been tripped with the control valve fully (2) years. If yes, what year was the fully open trip test conduct If No, is the fully open trip test being conducted during this and Normal air pressure as per the Manufacturers recommendation.	During rtially ope open in ted?	valve s the yea n. he last	ars when full t	sted with the	control valv	re
	Water	Air	Time to	Trip Point	Time Wa	
Trip test the dry pipe valve. Record the time from opening the inspectors test valve until the dry pipe valve trips.	PSI	PSI	Trip	Air PSI	Inspector	Description of the second
Did the valve and alarm operate properly?				Yes	No	N/A
Dry pipe valve interior appears clean and satisfactory?				Yes	No	N/A
Quick-opening device operated properly? Is a sign provided at the dry pipe valve indicating the number location of each auxiliary drain? Were all identified auxiliary drains drained during this inspection		y drain	is and	Yes	No No No	N/A N/A N/A
Air supply appears to be adequate?				Yes	No	N/A
Automatic air pressure maintenance device appears to operat	e properl	y?		Yes	No	N/A
Was the dry pipe valve filled with priming water after it was trip	tested a	nd res	et?	Yes	No	N/A
Explain No Answers / Comments:						
Dry Pipe System Inspection (Section 13.4.4.1.6) Dry pipe valve strainers, filters, and restriction orfices shall be indicate a greater frequency is necessary. Has the internal inspection been completed within the last fou If Yes, what year was the inspection completed?  If No, was the internal inspection done during this annual inspection.	r (4) year	d interr	his section i	Carried to the control of the contro		] ]n/a ]n/a
Explain No Answers / Comments:						



Explain No Answers / Comments:

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#### Automatic Sprinkler Systems 6 of 9 **Annual Inspection & Tests** Date: **Building "A" High Bay East** Nov 17 2015 Location: Preaction / Deluge System X This section is Not Applicable: N/A Does valve appear to be free of physical damage? Yes No All trim valves are in the appropriate open or closed position? No N/A Yes The valve seat is not leaking? N/A Yes No The electrical components are in service? No N/A Yes Size Make Model Serial # Strike Through What Does Not Apply Preaction Closed Nozzles Open Nozzles Deluge Supervised Preaction Low-Air-Pressure Alarm Is the preaction system equipped with a low-air-pressure alarm? Yes N/A If Yes, close the water supply valve and carefully open drain test valve to reduce air pressure slowly. Confirm operation of low pressure alarm, record air pressure of low pressure alarm activation. Close drain test valve, allow air pressure to rise to normal, then open water supply valve. **PSI** Preaction / Deluge System Trip Test Table (13.4.3.2.2.2) This section is Not Applicable: The preaction / deluge valve shall be trip tested annually as per the manufacturer's instructions. Where the nature is such that water discharge cannot occur unless protected equipment is shutdown, a full flow test shall be conducted at the next scheduled shutdown. In all cases the test frequency shall not exceed 3 years. Preaction or deluge valves protecting freezers shall be trip tested in a manner that does not introduce moisture into the piping in the freezer. PSI Water Air **Trip Point** Number of detectors required Brief description of valve operation PSI **PSI** Air PSI to trip Preaction system No N/A Did the valve and alarm operate properly? Yes Were all manual actuation devices operated? Yes No N/A For deluge systems did the water discharge pattern appear to be satisfactory? Yes No N/A Air supply appears to be adequate? Yes No N/A N/A Automatic air pressure maintenance device appears to operate properly? Yes No N/A Was the preaction valve filled with priming water after it was trip tested and reset? Yes No Explain No Answers / Comments: Preaction / Deluge System Maintenance (Section 13.4.3.1.7.1) This section is Not Applicable: Interior cleaning and parts replacement or repair shall be permitted every five (5) years for valves that can be reset without removal of the faceplate. If the valve cannot be reset externally the cleaning, replacement or repair shall be completed annually. The valve requires internal resetting, thus the inspection is done during this inspection? N/A The valve can be reset externally thus has the inspection been done within the last four (4) years? If Yes, what year was the inspection completed? N/A Yes N/A If No, was the internal inspection done during this annual inspection? Yes



Protection, Prevention	n. Perfor	mance.		Yes Yes											
Automatic Sprink	der Sy	stems					11 L 11 20 W						7 0	of 9	
		An	nua	l Inspection	on 8	<b>3.</b> 7	Test	S							
Date: Nov 17 20	15	Loc	ation: _		Buildi	ng "	A" High	Вау	Eas	st					_
Control Valves										LIE TRO		1163			
Are all control valves i	dentifie	d?							Y	es	X	No		N/A	
Are all control valves l	ocked,	sealed or	equippe	ed with a supervisory	switch'	?		2	X Y	es		No		N/A	
Are all control valves i	n the no	ormal ope	en or clos	sed postion?				2	<b>X</b> Y	es		No		N/A	
Are all control valves t	free fror	n externa	l leaks?						<b>X</b> Y	es		No		N/A	
During this inspection	was ea	ch contro	l valve o	perated through its f	ull rang	e?			X	es		No		N/A	
If applicable post indic	ator val	lves were	opened	until spring tension	was felt	?			Y	es		No	X	N/A	
If applicable post indic	ator & 0	OS&Y va	ves were	e backed 1/4 turn fro	m fully	oper	n positio	n? 🛚	ΧY	es		No		N/A	
Control Valve Table															
On when I Value From	-4"	# of	0:	Tune of Value		0-			800	urec			C:	gns	
Control Valve Fun		Valves 1	Size 6"	Type of Valve OS+Y	х		en N	х	Y	urec	N		Y	X	N
System control valve	8	-	-	00.1	^	Y	N	_	Y		N		Y	^	N
					_	Y	N	_	Ϋ́		N		Y		N
					_	Y	N	_	Y		N		Y		N
						Y	N	_	Y		N		Y		N
						Y	N	_	Y		N		Y		N
					_	Y	N	_	Y		N		Y		N
						Y	N	_	Y		N		Y	-	N
						Y	N	+	Y		N		Y		N
						Y	N	_	Y		N		Y		N
- 10 - 11				0.0			4:	:- N	- A A	!:			v	i	
Backflow Prevention All backflow preventer		and the same of th					section						X	1	
following:	is ilistai	ieu iii iiie	protecti	on system piping sne	iii be te	Sicu	amuan	ymrc	10001	uan	JC W		0		
(1) A forward flow test						hos	e strea	n der	man	d, wł	nere	hydr	ants	or	
inside hose stations a				•		,					-1.11-				
(2) A backflow perforr of the forward flow tes		est, as re	quired b	y the authority having	g jurisa	ictior	ı, snall i	e co	nauc	ctea	at the	e cor	npie	tion	
For backflow prevente		d 2" and i	under a f	orward flow test is a	cceptab	ole to	conduc	ct with	nout	mea	surir	ng flo	ow, v	vhere	Э
the test outlet is of a s	ize to fl	ow the sy	stem de	mand.	•										
Where connections d	o not pe	rmit a ful	I flow tes	st, test shall be comp	leted a	t the	maxim	um flo	ow ra	ate p	ossik	ole.			
Connections do exist	to perm	it a full fo	rward flo	ow test?					Y	'es		No		N/A	
A forward flow test wa	as condu	ucted at t	he syste	m demand, including	hose s	strea	m?		Y	'es		No		N/A	i.
The forward flow test	results	met the s	ystem d	emand, including hos	se strea	am?			Y	'es		No		N/A	ř.
If no connections are	availabl	e was a f	low test	conducted at maxim	um flov	v rate	e possib	le?	Y	'es		No		N/A	ľ.
Was there a way of m	easurin	g the ma	ximum f	low rate?					Υ	'es		No		N/A	
What flow rate was m	easure	d during t	he maxii	mum flow rate?										311	
Was the backflow pre	venter t	ested wit	h a sepa	arate report to check	for no l	oack	flow?		Y	'es		No		N/A	



#### Automatic Sprinkler Systems

8 of 9

			and the second s
Date:	Nov 17 2015	Location:	Building "A" High Bay East
An in	ruction Investigation (Supection of piping and be ection at the end of one	ranch line conditions s	shall be conducted every five (5) years by opening a flushing gasprinkler toward the end of one branch line for the purpose of
inspe	cting for the presence of	f foreign organic and i	norganic material.
Has \	visual obstruction investi	gation of piping been	conducted within the last four (4) years? Yes X No N/A
	s, what year was the inve		Unknown
			ucted during this annual inspection?  Yes  No X N/A
			s that piping is not obstructed?  Yes  No X N/A
Base	d on this years results a	further flushing invest	igation or procedure is recommended? Yes No X N/A
		nents: Unknown who	en last Obstruction invesitgation was done and should
be do	one.		
Defic	iencies (As per NFPA	25 - 2008)	
The s	ystem has the following	deficiencies that shou	lld be reviewed with the authority having jurisdiction to determine
if corr	ections should be made	. D1. Obstruction	investigation of piping should be done every 5 years.
D2			nponents should be done every 5 years.
D3	Gauges are older their	n 5 years and should	be replaced.
D4	Fire department conn	ection is missing on	e 2.5" cap and should be replaced.
D5	Fire department conn		
D6	All system control val	ives should be ident	ified and "keep open" signs should be installed.
D7	*		
D8			
D9			
D10			
D11	al degri la	Same and the same and the same and	L. C. Jean og in Skill i L. C. L.
D12			
D13			and the fill dustriance in the second of the second
D14			
D15			
D16			
D17			
D18			
D19	74 - 1		
D20			ME SA PHENE MENERALISM SECTION OF THE CONTRACT OF
D21			
D22			LATE Agreement an energy
D23			referrer and a medity the grown
	Toki -	(Use back of	page if further room is needed)
			The state of the contract of the desirable and the contract of



#### Automatic Sprinkler Systems

9 of 9

	Annual Inspection & Tests									
Date:	Nov 17 2015	Location:	Building "A" High Bay East							
We re	decommendations  We recommend the following based on this annual inspection and test. These recommendations are not deficiencies and are provided for information only. Corrections of these recommendations are dependent on the owner or authority aving jurisdiction.  R1.									
R2. R3. R4. R5. R6.	Drains should be clea	should be installed to purchased out to better hand	le drain test.							
R7. R8. R9.										
Recor	(Use back of page if further room is needed)  General Notes  Record any pertinent information here with respect to the building (monitoring company, special codes, keys access, confined space, etc.)  System monitored by Protelec 204-949-1415.									
Impor	rtant Note									
This is wheth failure and co	mportant Note: This is an operational test inspection. It does not include a review or analysis of the system design to determine whether or not the system meets current code or standards. BDR Services Ltd. is not responsible for any equipment allure, and any subsequent damage or loss consequential or direct. BDR Services Ltd. is merely verifying operation and condition of equipment at actual time of testing. Owner is responsible for system installation, maintenance and confirmation that system installation requirements are met any time there are alterations, additions, renovations and thange of occupancy.									
Inspec	ctor: Bart Dlugosz ce SP/WFD #: 223/79		Inspection Date: Nov 17 2015							
Signat	~ ~		Owner Representative:  Signature:							



#### Automatic Sprinkler Systems

1 of 9

	As per l		for the Inspection, To ire Protection System		nance of	
Date: N	Nov 17 2015	Inspector:	Bart Dlugosz	Inspector SP/	WFD #:	223/792
Property Name:		Transit Fort Roug		The state of the s		
Tenant Name:	Building "A					3
Address:	421 Osborn					
City:	Winnip	500 500	ce: MB	Posta	al Code:	
Contact:	Alex Veche			Phone :		
General						
Building		Building "A" Stor	es Center			
System Designa	tion	Center Stores / Lo	ow Bay Center			
Location of sprin	ıkler valve	East Stores valve	header			
Type of sprinkler	r system	<b>X</b> Wet	Dry	Deluge	[	Preaction
Is the building or	ccupied?				X Yes	No N/
Is the system in	service?				<b>X</b> Yes	No N/
The valve heade	er room(s) ap	pears to be adequa	tely heated?		X Yes	No N/
The valve heade	er room(s) ha	ve a low-temperatur	e alarm?		Yes	No X N/
Is it known that t	the system(s)	is hydraulically cald	culated?		Yes	X No N/
		n sign provided at va			Yes	No X N/
Is there a minim deflector?	um of 18"clea	arance between sto	rage/obstructions and t	he sprinkler	<b>x</b> Yes	No N/
Do all exterior of	penings appe	ear to be protected f	rom freezing?		X Yes	No No
			s it appear to be in goo alterations/additions si		X Yes	No N/
Explain No Ansv	wers / Comm	ents: System a	ppears to be pipe scl	nedule system.		
Water Supply						
THE R. P. LEWIS CO., LANSING MICH.		2.2	be in good condition?		Yes	No X N/
(Water storage t	tanks, private	fire service mains,	etc. are not covered ur	nder this inspection.	)	
Pumps (Fire Pu	ımp(s) are no	t covered under this				
Is fire pump		Diesel	Electric	Gasoli	ne Z	None
When was pum	p last inspect	ed?			_	
Does pump app	ear to be in g	good condition?			Yes	No X N/
Explain No Ansv	wers / Comm	ents:				



#### Automatic Sprinkler Systems 2 of 9 **Annual Inspection & Tests** Date: Nov 17 2015 Location: **Building "A" Stores Center** Fire Department Connections (Section 13.7) This section is Not Applicable: FDC Location: Across the street of 520 Brandon street Are identification signs provided and in place? Yes X No N/A The connections are visible and accessible? No N/A X Yes Couplings or swivels are not damaged and rotate smoothly? No Yes N/A Plugs or caps are in place and undamaged? Yes Х No N/A Gaskets are in place and in good condition? Yes N/A No The check valve is not leaking? Yes No X N/A The automatic drain valve is in place and appears to be working and in good condition? Yes No X N/A The connection clapper(s) is in place and appears to be operating properly? X Yes N/A Explain No Answers / Comments: Located on the street. There is a valve pit near FDC and was not inspected during this inspection. Fire department connection feeds building "A" and westside of building 'B". FDC is missing ONE 2.5" cap. General Condition, Inspected From Floor Level (Section 5.2) This section is Not Applicable: Sprinkler heads appear to be in good condition? (Not corroded, loaded, painted, damaged) X Yes No N/A Piping appears to be in good condition? (Not damaged, leaking, corroded, bent) X No Yes N/A Hangers or Braces appear to be in good condition? (Not damaged, loose, rusted, missing) X Yes No N/A Devices, valves and gauges appear to be in good condition? Yes No N/A Is stock of spare sprinklers available along with appropriate sprinkler wrench(s)? Yes No N/A Explain No Answers / Comments: Sprinkler Testing (Section 5.3) This section is Not Applicable: All sprinklers installed have been manufactured after 1920? X Yes No N/A Standard response sprinklers are less than fity (50) years old? X Yes No N/A Fast response sprinklers are less than twenty (20) years old? Yes No N/A Extra high (325 °F or higher) sprinklers have been tested at five (5) year intervals? Yes No X N/A Dry sprinklers are less than ten (10) years old? X N/A (Sprinklers that do not meet the above criteria are required to be replaced or representative samples from one or more sample areas shall be tested. Test procedures shall be repeated at various intervals as stated in NFPA 25) Explain No Answers / Comments:



Auton	natic Sprink	ler System	ıs		, he se		3 of 9					
		A	nnual l	nspection & <sup>*</sup>	Tests							
Date:	Nov 17 201	<u>5</u> L	ocation:	Building "A	A" Stores Cente	er						
Gauges	(Section 5.3.2	2)		Th	nis section is No	ot Applicable	:					
	0 7575 PM	200	(5) years or te	sted every five (5) years by		• • •						
				the full scale shall be recalib			,aago.					
	are less than fi			ino ran ocale chan be recalled		Yes X	No N/A					
-				gauge and are within three	(3) percent?	_	No X N/A					
					(c) porocin:	Yes X						
	Gauges have been replaced during this annual inspection?  Explain No Answers / Comments:  Gauges dated 2009 (x2) Should be replaced.											
Схріаін	NO Allsweis / C	Johnnenis.	Gauges dat	led 2009 (X2) Silouid be le	ріасец.							
	27 AND TO MAKE TO	na para Ale Satu				a mass alle						
CONTRACTOR OF THE PROPERTY OF	rain Test (Sect				nis section is No							
		•	pply pressure lo			This Yea	r Last					
	Record the static water supply pressure with no flow.  Static PSI Before 70											
				ze. Record the pressure.	Residual PSI	69						
- con-			22 N 42	after gauge has stabilized.	Static PSI After	70						
	ate was the last				of the Main Drain?							
Explain	No Answers / C	Comments:	Drain does	not handle test. Check va	lve on drain cu	p does not h	old.					
Wet Sys	stem (Section	13.4)		Th	nis section is No	t Applicable	: 🔲					
The gau	iges indicate no	rmal water p	ressure is bein	g maintained?	х	Yes I	No N/A					
Does ala	arm valve appe	ar to be free	of physical dan	nage?	х	Yes	No N/A					
			open or closed		х	Yes	No N/A					
	rm drains are n	the state of the s			х	Yes	No N/A					
Wet sys	tem is equippe	d with a tail-e	end anti-freeze s	system(s)?		Yes X	No N/A					
100	15 100001		at freezing poin									
Anti-free	eze solution free	ezing point ap	opears to be sa	tisfactory?		Yes	No X N/A					
Explain	No Answers / C	Comments:	There is no	tail end anti freeze on sys	stem.							
Wet Sys	stem Test Tabl	e for Wet Al	arm Valve	Th	nis section is No	ot Applicable	: 🔲					
Size	Make	Model	Serial #	Locati	on of Inspector	s Test						
6"	Grinnell	Α	82097									
(Ensure	alarm company	y is notified to	o avoid false ala	arms.)	Static PSI	Alarm Time	Residual PSI					
Test ala	est alarm valve water flow alarm switch by opening inspector's test valve.  120 psi 32 sec 70 psi											
Wet Sys	stem Low-Wat	er-Pressure	Switch									
_	Wet System Low-Water-Pressure Switch s the wet system equipped with a low-water-pressure switch?  Yes X No N/A											
	f Yes, open drain test valve to reduce water pressure slowly. Confirm operation of low pressure switch, record water											
pressure at which low pressure switch activated. Close drain test and pump system up to normal pressure												
and restore to service. Record pressure. PSI												
Explain	Explain No Answers / Comments: System Does not have a Low Pressure switch. One should be installed.											
			/									



#### Automatic Sprinkler Systems 4 of 9 **Annual Inspection & Tests** Date: Nov 17 2015 Location: **Building "A" Stores Center** Wet System Inspection (Section 13.4.1.2) This section is Not Applicable: Alarm valves and their associated strainers, filters, and restriction orfices shall be inspected internally every five (5) years unless tests indicate a greater frequency is necessary. Has the internal inspection been completed within the last four (4) years? X No If Yes, what year was the inspection completed? If No, was the internal inspection done during this annual inspection? Explain No Answers / Comments: Unknown when last wet system inspection was and should be done. Wet System Vane Type Flow Alarms This section is Not Applicable: X Test water-flow alarm by opening inspector's test and record time that alarm registers. Flow Switch Zone Designation Location of Inspectors Test Static PSI Alarm Time Residual PSI Dry Pipe System (Section 13.4.4) X This section is Not Applicable: Does valve appear to be free of physical damage? Yes No N/A All trim valves are in the appropriate open or closed position? Yes No N/A The intermediate chamber is not leaking? Yes No N/A A tag or card with the last trip date and who conducted the test is attached to the valve? Yes No N/A Size Make Model Serial # Location of Inspectors Test Explain No Answers / Comments:



### Automatic Sprinkler Systems

5 of 9

Date:	Nov 17 2015	Location:	Bu	lding '	"A" Stores C	enter		
Dry Sys	tem Low-Air-Pressur	e Switch				п		
Is the dr	y system equipped wit	h a low-air-pressure switch?				Yes	No X	N/A
If Yes, close the water supply valve isolate quick opening device if one is present and carefully open drain test valve to reduce air pressure slowly. (Do not reduce air pressure sufficiently to trip the dry pipe valve.) Confirm operation of low pressure switch, record air pressure at which low pressure switch activated. Close drain test valve, allow air pressure to rise to normal, then slowly open quick opening device and water supply valve.  Explain No Answers / Comments:  PSI								
					111			
Every the fully ope the dry p	n and the quick-openii ipe valve shall be trip dry pipe valve been tri	never the system is altered, the device, if provided in servitested with the control valve peed with the control valve for the fully open trip test conditions.	ice. During partially ope ully open in	valve s the yea en.	shall be trip te ars when full		control valv	/e
, , ,		being conducted during this		ection?	)	Yes	No	N/A
		Manufacturers recommenda	1.00					PSI
Trip test the dry pipe valve. Record the time from opening the inspectors test valve until the dry pipe valve trips.  Water Air Time to Trip Point Inspectors Tell PSI PSI Trip Air PSI Inspectors Tell PSI PSI PSI Trip Air PSI Inspectors Tell PSI								
Did the .	alus and alarma anara	to mronorly?				Yes	No C	N/A
	valve and alarm operation					Yes	H <sub>No</sub> H	N/A
	pening device operate	clean and satisfactory?				Yes	No -	N/A
Is a sign		be valve indicating the numb	er of auxilia	ry drair	ns and		No	N/A
	(5)	ins drained during this inspe	ction?			Yes	No	N/A
	ly appears to be adequ	0.55.1				Yes	No	N/A
Automat	ic air pressure mainte	nance device appears to ope	rate proper	ly?		Yes	No	N/A
Was the	dry pipe valve filled w	ith priming water after it was	trip tested a	and res	set?	Yes	No	N/A
Explain I	No Answers / Comme	nts:						
1356								
Dry pipe indicate Has the If Yes, w	a greater frequency is internal inspection bee that year was the inspe	and restriction orfices shall necessary. en completed within the last t	our (4) year	d inter		is Not Applid ve (5) years u Yes		] ]n/a ]n/a
Explain I	No Answers / Comme	nts:						



#### Protection, Prevention, Performance, Automatic Sprinkler Systems 6 of 9 **Annual Inspection & Tests** Date: Nov 17 2015 Location: Building "A" Stores Center Preaction / Deluge System This section is Not Applicable: Does valve appear to be free of physical damage? N/A Yes No All trim valves are in the appropriate open or closed position? Yes No N/A The valve seat is not leaking? No N/A Yes The electrical components are in service? No N/A Yes Size Make Model Serial # Strike Through What Does Not Apply Preaction Closed Nozzles Open Nozzles Deluge Supervised Preaction Low-Air-Pressure Alarm Is the preaction system equipped with a low-air-pressure alarm? Yes N/A If Yes, close the water supply valve and carefully open drain test valve to reduce air pressure slowly. Confirm operation of low pressure alarm, record air pressure of low pressure alarm activation. Close drain test valve, allow air pressure to rise to normal, then open water supply valve. PSI Preaction / Deluge System Trip Test Table (13.4.3.2.2.2) This section is Not Applicable: The preaction / deluge valve shall be trip tested annually as per the manufacturer's instructions. Where the nature is such that water discharge cannot occur unless protected equipment is shutdown, a full flow test shall be conducted at the next scheduled shutdown. In all cases the test frequency shall not exceed 3 years. Preaction or deluge valves protecting freezers shall be trip tested in a manner that does not introduce moisture into the piping in the freezer. PSI Water Trip Point Air Number of detectors required Brief description of valve operation PSI PSI Air PSI to trip Preaction system Did the valve and alarm operate properly? Yes No N/A Were all manual actuation devices operated? No Yes N/A For deluge systems did the water discharge pattern appear to be satisfactory? Yes No N/A N/A Air supply appears to be adequate? Yes No Automatic air pressure maintenance device appears to operate properly? Yes No N/A Was the preaction valve filled with priming water after it was trip tested and reset? Yes No N/A Explain No Answers / Comments: Preaction / Deluge System Maintenance (Section 13.4.3.1.7.1) This section is Not Applicable: Interior cleaning and parts replacement or repair shall be permitted every five (5) years for valves that can be reset without removal of the faceplate. If the valve cannot be reset externally the cleaning, replacement or repair shall be completed annually. The valve requires internal resetting, thus the inspection is done during this inspection? N/A Yes The valve can be reset externally thus has the inspection been done within the last four (4) years? If Yes, what year was the inspection completed? N/A Yes No If No, was the internal inspection done during this annual inspection? Yes No N/A Explain No Answers / Comments:



Automatic Sprinkler Systems

7 of 9

	AII	iiuai	ilispection	II C	× 1	<b>C3</b>	L	<b>)</b>							
Date: Nov 17 2015	Loca	ation:	В	uildii	ng "/	A" Sto	res	s Ce	ente	r					
Control Valves							1								
Are all control valves identifie	d?							)	( Y	es		No		N/A	
Are all control valves locked, sealed or equipped with a supervisory switch?															
Are all control valves in the normal open or closed postion?															
Are all control valves free from external leaks?															
During this inspection was ea	ch contro	l valve o	perated through its full	range	e?			)	( Y	es		No		N/A	
If applicable post indicator va	lves were	opened	until spring tension wa	s felt	?				_Y	es		No	X	N/A	
If applicable post indicator &	OS&Y val	ves were	e backed 1/4 turn from	fully	open	ı positi	ion'	? _ )	( Y	es		No		N/A	
Control Valve Table															
Control Valve Function	# of Valves	Size	Type of Valve		Ор	en			Sec	ured	-		Sig	gns	
System control valve	1	6"	OS+Y	х	Υ		N	Х	Υ		Ν	X	Υ		Ν
					Υ	1	N		Υ		Ν		Y		Ν
					Υ		N		Υ		Ν		Y		N
					Υ		N		Υ		N		Y		N
					Υ	1	N		Υ		N		Υ		Ν
					Υ		N		Υ		N		Y		N
					Υ		N		Υ		N		Υ		N
					Υ		N		Υ		N		Υ		N
				_	Υ		N		Υ		N		Y		N
					Υ		N		Υ		N		Υ		N
Backflow Prevention Assemblies (Section 13.6)  All backflow preventers installed in fire protection system piping shall be tested annually in accordance with the following:  (1) A forward flow test shall be conducted at the system demand, including hose stream demand, where hydrants or inside hose stations are located downstream of the backflow preventer.  (2) A backflow performance test, as required by the authority having jurisdiction, shall be conducted at the completion of the forward flow test.  For backflow preventers sized 2" and under a forward flow test is acceptable to conduct without measuring flow, where the test outlet is of a size to flow the system demand.  Where connections do not permit a full flow test, test shall be completed at the maximum flow rate possible.  Connections do exist to permit a full forward flow test?  Yes No N/A															
A forward flow test was cond				ose s	strea	m?				'es		No		N/A	
The forward flow test results						0.057			-	'es		No		N/A	
If no connections are availab		7.				e poss	ible	?		'es		No		N/A	
Was there a way of measuring						350			Y	'es		No		N/A	
What flow rate was measure								_							
Was the backflow preventer			_	r no b	oack	flow?						No		N/A	`



## Automatic Sprinkler Systems

8 of 9

Date:	Nov 17 2015	Location:	Building "A" Stores Center
Obst	ruction Investigation (S	Section 14.2.1)	
An in	spection of piping and br	anch line conditior	is shall be conducted every five (5) years by opening a flushing
conne	ection at the end of one r	nain and by remov	ring a sprinkler toward the end of one branch line for the purpose of
inspe	cting for the presence of	foreign organic ar	nd inorganic material.
Has v	visual obstruction investig	ation of piping be	en conducted within the last four (4) years?  Yes  X  No  N/A
	s, what year was the inve		
If No,	was the visual obstruction	on investigation co	nducted during this annual inspection?  Yes  No X N/A
This v	visual obstruction investig	gation results appe	ears that piping is not obstructed?  Yes  No X N/A
Base	d on this years results a	urther flushing inv	estigation or procedure is recommended? Yes No X N/A
Expla	in No Answers / Comme	nts: Unknown	when last Obstruction invesitgation was done and should
be do	one.		
Defic	iencies (As per NFPA	25 - 2008)	
The s	system has the following	deficiencies that s	nould be reviewed with the authority having jurisdiction to determine
if corr	ections should be made.	D1. Obstruct	ion investigation of piping should be done every 5 years.
D2	Internal Inspection of	alarm valve and	components should be done every 5 years.
D3	Gauges are older then	5 years and sho	uld be replaced.
D4	All system control val	ves should be ide	entified and "keep open" signs should be installed.
D5			ve a identification sign.
D6	Fire department conne	ection is missing	one 2.5" cap and should be replaced.
D7			•
D8			
D9	47		
D10			
D11		11	n a legi to the annual to the
D12			
D13			
D14			
D15			
D16			
D17			
D18			
D19			
D20			TRANSF REFERENCE
D21			A A STATE OF THE S
D22			
D23			
		(Use back	of page if further room is needed)





## Automatic Sprinkler Systems

9 of 9

Date:		15 Locati	on:	Building "A" Stores Center	
We re and a	re provided for in	nformation only. C	his annual inspectio orrections of these r	n and test. These recommendations ecommendations are dependent on t	are not deficiencies the owner or authority
I				722	
R2. R3.			installed to prever better handle drai		
R4.	Dialits Siloulu	be cleaned out to	better handle drai	i test.	
R5.					
R6.					
R7.					
R8.					
R9.					
Cana	ual Natas	(	Use back of page if	further room is needed)	
Recor acces	s, confined space			ding (monitoring company, special c	odes, keys
Oysic	in monitored by	/ 1 Totelec 204-34	5-1415.		
		4			
	*				
This is whether failure and co	er or not the syst , and any subsec andition of equipr	tem meets current quent damage or lo ment at actual time	code or standards. oss consequential or of testing. Owner i	view or analysis of the system desig BDR Services Ltd. is not responsible direct. BDR Services Ltd. is merely s responsible for system installation, y time there are alterations, additions	e for any equipment verifying operation maintenance and
Inspec	tor: Bart Dlug	josz		nspection Date: Nov 17 2015	
Licenc	e SP/WFD #:	223/792		Owner Representative:	
Signat	ure: Ba	an		Signature:	



#### Automatic Sprinkler Systems

1 of 9

As per l	NFPA 25, Standard for the Water-Based Fire Pro			ance of		
Date: Nov 17 2015	Inspector: Ba	rt Dlugosz	Inspector SP/W	/FD #:	223/792	
Property Name: Winnipeg	Transit Fort Rouge		- " T E			
Tenant Name: Building "A	\"					
Address: 421 Osborr	ne Street					_
City: Winnip	eg Province:	MB	Postal Postal	Code:		
Contact: Alex Veche	rya		Phone :			
General						
Building	Building "A" Stores Eas					
System Designation	East Stores / Tire shop		hine shop area			
Location of sprinkler valve	South West corner of St	tores				
Type of sprinkler system	X Wet	Dry	Deluge	_	Preaction	8
Is the building occupied?				X Yes	No	N/A
Is the system in service?			L	<b>X</b> Yes	No	N/A
The valve header room(s) ap	pears to be adequately hea	ated?	- 4	X Yes	No	N/A
The valve header room(s) ha	ive a low-temperature alarn	n?	1	Yes		N/A
Is it known that the system(s)	) is hydraulically calculated	?	Ļ	Yes	X No	N/A
If yes, is hydraulic information			ilula a	Yes	No X	N/A
Is there a minimum of 18"cleadeflector?	arance between storage/ob	ostructions and the sp	orinkler	<b>x</b> Yes	_	N/A
Do all exterior openings appe	• • • • • • • • • • • • • • • • • • • •			X Yes		N/A
If a hand hose is part of the s Confirm that the building has inspection?				X Yes X Yes	No No	N/A N/A
Explain No Answers / Comm	ents: System appears	s to be pipe schedu	le system.			
Water Supply						
Do reservoirs, tanks, or press	sure tanks appear to be in	good condition?		Yes	No X	N/A
(Water storage tanks, private	e fire service mains, etc. are	e not covered under t	this inspection.)			
Pumps (Fire Pump(s) are no	ot cover <u>ed u</u> nder this inspe	ction.)			_	
Is fire pump	Diesel	Electric	Gasoline	×	None	
When was pump last inspect	ted?					
Does pump appear to be in g	good condition?		Į	Yes	No X	N/A
Explain No Answers / Comm	ents:					



Automatic Sprinkler Systems	Automatic Sprinkler Systems 2 of 9									
Annual Inspection	n & Tests									
Date: Nov 17 2015 Location:	Building "A" Stores East									
Fire Department Connections (Section 13.7)	This section is Not Applicable:									
FDC Location: Across the street of 520 Brandon street	41. w									
Are identification signs provided and in place?	Yes X No N/A									
The connections are visible and accessible?	X Yes No N/A									
Couplings or swivels are not damaged and rotate smoothly?	X Yes No N/A									
Plugs or caps are in place and undamaged?	Yes X No N/A									
Gaskets are in place and in good condition?	X Yes No N/A									
The check valve is not leaking?	Yes No X N/A									
The automatic drain valve is in place and appears to be working an	d in good condition? Yes No X N/A									
The connection clapper(s) is in place and appears to be operating p	properly? X Yes No N/A									
Explain No Answers / Comments: Located on the street. The	e is a valve pit near FDC and was not									
inspected during this inspection. Fire department connection	eeds building "A" and westside of building									
"B". FDC is missing ONE 2.5" cap.										
General Condition, Inspected From Floor Level (Section 5.2)	This section is Not Applicable:									
Sprinkler heads appear to be in good condition? (Not corroded, loads										
Piping appears to be in good condition? (Not damaged, leaking, corro										
Hangers or Braces appear to be in good condition? (Not damaged, I	pose, rusted, missing) X Yes No N/A									
Devices, valves and gauges appear to be in good condition?	X Yes No N/A									
Is stock of spare sprinklers available along with appropriate sprinkle	er wrench(s)? X Yes No N/A									
Explain No Answers / Comments:										
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CACCOLOGICAL CONTRACTOR CONTRACTO									
Sprinkler Testing (Section 5.3)	This section is Not Applicable:									
All sprinklers installed have been manufactured after 1920?	X Yes No N/A									
Standard response sprinklers are less than fity (50) years old?	X Yes No N/A									
Fast response sprinklers are less than twenty (20) years old?	Yes No X N/A									
Extra high (325 °F or higher) sprinklers have been tested at five (5)	year intervals? Yes No X N/A									
Dry sprinklers are less than ten (10) years old?	Yes No X N/A									
(Sprinklers that do not meet the above criteria are required to be re	placed or representative samples from one or									
more sample areas shall be tested. Test procedures shall be repeat	ated at various intervals as stated in NFPA 25)									
Explain No Answers / Comments:										



Autom	atic Sprinkl	er System	ıs	3 of 9								
	·			nspection & Tests								
Date:	Nov 17 201	<u>5</u> L	ocation:	Building "A" Stores East								
Gauges	(Section 5.3.2	2)		This section is Not Applicable:								
-	17	3.	(5) years or tes	sted every five (5) years by comparison with a calibrated gauge.								
_	- 25		70 T T	he full scale shall be recalibrated or replaced.								
	are less than fi			Yes X No N/A								
				gauge and are within three (3) percent? Yes No X N/A								
			this annual insp									
	Explain No Answers / Comments: Gauges dated 2009 (x2) Should be replaced.											
LAPIGITI	1407410440107	ommente.	Oddges dat	ou 2000 (AZ) Onoula se replaced.								
Main Drain Test (Section 13.2.5)  This section is Not Applicable:												
(All read	lings should be	from the sup	ply pressure lo	wer gauge) This Year Last								
Record	ecord the static water supply pressure with no flow.  Static PSI Before 70											
Open th	Open the main drain and allow water flow to stabilize. Record the pressure.  Residual PSI 69											
Close th	Close the main drain slowly. Record the pressure after gauge has stabilized. Static PSI After 70											
What da	What date was the last main drain test done? 2014 Size of the Main Drain? 2"											
Explain	No Answers / C	Comments:	Drain did no	ot handle drain test. Drain shold be cleaned out.								
Wet Svs	stem (Section	13.4)		This section is Not Applicable:								
			ressure is being									
			of physical dam									
			open or closed	NATE								
	m drains are n	10.000	8	X Yes No N/A								
			end anti-freeze s	system(s)? Yes X No N/A								
			at freezing poin									
			opears to be sa									
Explain	No Answers / C	Comments:	System doe	es not have a tail anti-freeze zone.								
•												
	stem Test Tab			This section is Not Applicable:								
Size	Make	Model	Serial #	Location of Inspectors Test								
6"	Grinnell	Α	F5174	Machine shop outside steam bay								
•			o avoid false ala									
Test ala	est alarm valve water flow alarm switch by opening inspector's test valve.  120 psi 1m5s 70 psi											
Wet Sys	Wet System Low-Water-Pressure Switch											
	Is the wet system equipped with a low-water-pressure switch?											
If Yes, o	f Yes, open drain test valve to reduce water pressure slowly. Confirm operation of low pressure switch, record water											
pressure at which low pressure switch activated. Close drain test and pump system up to normal pressure												
	and restore to service. Record pressure. PSI											
Explain	Explain No Answers / Comments: System Does not have a Low Pressure switch. One should be installed.											



## Automatic Sprinkler Systems

4 of 9

			iiiidai ii	Spection	G 10313		
Date:	Nov 17 201	5L	ocation:	Bui	lding "A" Stores I	East	1
Alarm va every fiv Has the If Yes, w If No, wa	e (5) years unle internal inspect what year was th	associated sess tests indicated ion been contained inspection do	trainers, filters, icate a greater function mpleted within the completed?	and restriction orfices requency is necessar he last four (4) years  Unknown nnual inspection?	ry. ? –	Yes Yes	<b>X</b> No
	stem Vane Typ ter-flow alarm b			nd record time that al	This section is	Not Applicat	ole: X
	Switch Zone Desi			n of Inspectors Test	Static PSI	Alarm Time	Residual PSI
				1 , , , 6	ractifert our		
				<u> White Calabian</u>	Million To		
			- 1 -1	100		1 1 1 1	
		17 7 m - 1 M			11/13 da 20 10 2 2	11 1	-
			Lecal management			1,	
				<del></del>	-	-1	
						5 -	
	-					1000	
				I the same of the	-5 17 7.2		
				and the second second			
		ind Life	Otemas and		malary minus	1.55 · 1 · 1. ALI	
Dry Pipe	e System (Sect	ion 13.4.4)			This section is	Not Applica	ble: X
Does va	lve appear to be	e free of phy	sical damage?		7.7	Yes	No N/A
All trim v	alves are in the	appropriate	open or closed	position?		Yes	No N/A
The inte	rmediate chamb	per is not lea	iking?			Yes	No N/A
A tag or	card with the la	st trip date a	and who conduc	ted the test is attache	ed to the valve?	Yes	No N/A
Size	Make	Model	Serial #		Location of Inspe	ctors Test	
					•		
Explain I	No Answers / C	omments.					
		ommonto.	· · · · · · · · · · · · · · · · · · ·	nelson, treate or			
		9. 10 1 0010					
450-00-00-00-00-00-00-00-00-00-00-00-00-0		THE PARTY OF THE PARTY.				Condition Condition of the	



Autor	natic Sprinkler Sys	tems					5	of 9
		Annual Inspe	ctior	1 &	Tests			
Date:	Nov 17 2015	Location:	В	uilding	"A" Stores	East		
Dry Sy	stem Low-Air-Pressure	Switch					1 911	
Is the c	ry system equipped with	n a low-air-pressure switch?				Yes	No	X N/A
drain te valve.) activate device	est valve to reduce air pr Confirm operation of lo	alve isolate quick opening devinessure slowly. (Do not reduce ow pressure switch, record air pre, allow air pressure to rise to other.)	<i>air press</i> pressure normal, t	ure su at which hen slo	fficiently to tr h low pressu	<i>ip the dry pip</i> re switch	e	PSI
					-		г	_
Every to fully ope the dry Has the	en and the quick-openin pipe valve shall be trip t e dry pipe valve been trip	ible never the system is altered, the g device, if provided in service ested with the control valve pa oped with the control valve fully the fully open trip test conduct	e. During rtially ope open in	valve s the yea en.	ars when full	ested with the	e control v	
		peing conducted during this and		ection?	)	Yes	No	N/A
		Manufacturers recommendation	•					PSI
Nomia	all pressure as per the	Manufacturers recommendation	Water	Air	Time to	Trip Point	Time	Water To
		cord the time from opening	PSI	PSI	Trip	Air PSI		ctors Test
tne insp	pectors test valve until th	le dry pipe valve trips.			igot!=	13 p fr		
Did the	valve and alarm operate	e properly?				Yes	No	N/A
Dry pip	e valve interior appears	clean and satisfactory?				Yes	No	N/A
Is a sig	ppening device operated n provided at the dry pip n of each auxiliary drain?	e valve indicating the number	of auxilia	ry drair	ns and	Yes	No No	N/A N/A
	25 55 55 55 25 25 25 25 25 25 25 25 25 2	ins drained during this inspection	on?			Yes	No	N/A
	ply appears to be adequ					Yes	No	N/A
		ance device appears to operate	te proper	y?		Yes	No	N/A
Was th	e dry pipe valve filled wi	th priming water after it was trip	p tested a	and res	et?	Yes	No	N/A
Explain	No Answers / Commen	ts:						
Dry pipe indicate	a greater frequency is	and restriction orfices shall be necessary.		d inter	This section nally every fiv	ve (5) years u	ınless tes	
	70	n completed within the last fou	ır (4) year	s?		Yes	No	N/A
	what year was the inspe	5.	ootic=0			□√ar	□N <sub>F</sub> [	
		on done during this annual insp	ection?			Yes	No [	N/A
⊏xpiain	No Answers / Commen	15.						



(4) years? If Yes, what year was the inspection completed?

Explain No Answers / Comments:

If No, was the internal inspection done during this annual inspection?

11 Yard Street Winnipeg MB R2W 5J6 | P: 204.586.8227 | F: 204.582.3657 | www.bdrservices.ca

N/A

N/A

No

No

Yes

Yes

#### Automatic Sprinkler Systems 6 of 9 **Annual Inspection & Tests** Date: Nov 17 2015 Location: **Building "A" Stores East** Preaction / Deluge System This section is Not Applicable: X Does valve appear to be free of physical damage? Yes No N/A All trim valves are in the appropriate open or closed position? Yes No N/A The valve seat is not leaking? Yes No N/A The electrical components are in service? Yes No N/A Size Make Model Serial # Strike Through What Does Not Apply Deluge Preaction Closed Nozzles Open Nozzles Supervised Preaction Low-Air-Pressure Alarm Is the preaction system equipped with a low-air-pressure alarm? Yes No N/A If Yes, close the water supply valve and carefully open drain test valve to reduce air pressure slowly. Confirm operation of low pressure alarm, record air pressure of low pressure alarm activation. Close drain test valve, allow air pressure to rise to normal, then open water supply valve. **PSI** Preaction / Deluge System Trip Test Table (13.4.3.2.2.2) This section is Not Applicable: The preaction / deluge valve shall be trip tested annually as per the manufacturer's instructions. Where the nature is such that water discharge cannot occur unless protected equipment is shutdown, a full flow test shall be conducted at the next scheduled shutdown. In all cases the test frequency shall not exceed 3 years. Preaction or deluge valves protecting freezers shall be trip tested in a manner that does not introduce moisture into the piping in the freezer. PSI Water Air Trip Point Number of detectors required Brief description of valve operation **PSI** PSI to trip Preaction system Air PSI Did the valve and alarm operate properly? Yes N/A No Were all manual actuation devices operated? Yes No N/A For deluge systems did the water discharge pattern appear to be satisfactory? Yes No N/A Air supply appears to be adequate? Yes No N/A Automatic air pressure maintenance device appears to operate properly? Yes No N/A Was the preaction valve filled with priming water after it was trip tested and reset? Yes No N/A Explain No Answers / Comments: Preaction / Deluge System Maintenance (Section 13.4.3.1.7.1) This section is Not Applicable: Interior cleaning and parts replacement or repair shall be permitted every five (5) years for valves that can be reset without removal of the faceplate. If the valve cannot be reset externally the cleaning, replacement or repair shall be completed annually. The valve requires internal resetting, thus the inspection is done during this inspection? Yes N/A The valve can be reset externally thus has the inspection been done within the last four



Protection, Prevention, Perio	mance.														
Automatic Sprinkler Sy	ystems											1153	7 (	of 9	
	An	nua	l Inspection	n 8	<b>%</b> -	Гes	ts	S							
Date: Nov 17 2015	Loc	ation: _		Build	ling	"A" S	or	es E	East				_		_
Control Valves								81.1	1	- 11	H		a Fall	· ·	
Are all control valves identifie	:d?								K Y	es [		No		N/A	
Are all control valves locked,	sealed or	equippe	ed with a supervisory s	switch'	?			2	<b>K</b> Y	es [		No		N/A	
Are all control valves in the ne	ormal ope	en or clos	sed postion?					2	K Y	es [		No		N/A	
Are all control valves free from	n externa	al leaks?						2	K Y	es		No		N/A	
During this inspection was ea	ch contro	ol valve o	perated through its fu	ll rang	e?			2	K Y	es		No		N/A	
If applicable post indicator va		Θ.	3 35						_	es		No	Х	N/A	
If applicable post indicator &	OS&Y va	lves were	e backed 1/4 turn fron	n fully	oper	n positi	on	? _ 2	<b>K</b> Y	es		No		N/A	
Control Valve Table															
Control Valve Function	# of Valves	Size	Type of Valve		Or	oen			Sec	ured			Sig	gns	
System control valve	1	6"	OS+Y	х	Υ		V	х	Υ		N	Х	Υ		N
					Υ		1		Υ		Ν		Υ		N
					Υ		1		Υ		Ν		Υ		Ν
					Υ		1		Υ		Ν		Υ		N
					Υ		1		Υ		N		Υ		Ν
					Υ		1		Υ		N		Υ		Ν
				-	Υ		1		Υ		N		Υ		N
				- 1	Y				Y	э II .	N		Y		N
				-	Y		1	_	Y		N		Y		N
					Υ		1		Υ		N		Υ		N
Backflow Prevention Asser						sectio							Х		
All backflow preventers instal following:	led in fire	protection	on system piping shall	be te	sted	annua	lly	in a	ccor	danc	e wi	th th	е		
(1) A forward flow test shall b	e conduc	ted at the	e system demand, inc	luding	hos	e strea	m	den	nanc	l, whe	ere	hydr	ants	or	
inside hose stations are locat															
(2) A backflow performance to of the forward flow test.	est, as re	quired by	the authority having	jurisdi	ction	ı, shall	be	COI	nduc	ted a	t the	e cor	nple	tion	
For backflow preventers size	d 2" and ι	under a fo	orward flow test is acc	ceptab	le to	condu	ct	with	out i	meas	surir	na flo	w. v	vhere	9
the test outlet is of a size to fl	ow the sy	stem de	mand.												
Where connections do not pe	rmit a ful	I flow tes	t, test shall be comple	eted at	the	maxim	ıun	n flo	w ra	te po	ssib	ole.		2	
Connections do exist to perm	it a full fo	rward flo	w test?						Y	es [		No		N/A	
A forward flow test was condu	ucted at the	he syster	m demand, including l	nose s	trea	m?			Y	es		No		N/A	
The forward flow test results	met the s	ystem de	emand, including hose	strea	m?			L	_\Y	es		No		N/A	
If no connections are availabl				m flow	rate	possi	ble	?_	_	es		No		N/A	
Was there a way of measurin									Y	es		No		N/A	
What flow rate was measured							_	_	٦.,			l 1		1	
Was the backflow preventer t	ested wit	n a sepa	rate report to check for	or no b	ackf	low?			Y	es		No		N/A	



## Automatic Sprinkler Systems

8 of 9

Date:	Nov 17 2015	Location:	Building "A" Stores East
An insconne inspe Has v If Yes If No, This v Based	ection at the end of one ma ecting for the presence of fo visual obstruction investigat s, what year was the investi was the visual obstruction visual obstruction investigat d on this years results a fur ain No Answers / Comments	nch line condition ain and by remove preign organic artion of piping being ation completed investigation contion results appearther flushing investigation in investigation investigat	een conducted within the last four (4) years? Yes X No N/A
20 22	The state of the s	gE :	O Settle O BOKE Settle OF The Company
			YEST TO THE PARTY OF THE PARTY
The s	rections should be made.	eficiencies that s D1. Obstruct	should be reviewed with the authority having jurisdiction to determine tion investigation of piping should be done every 5 years.
D2 D3			components should be done every 5 years.
D3	Gauges are older then 5		entified and "keep open" signs should be installed.
D5	Fire department connect	tion should ha	ve a identification sign
D6			one 2.5" cap and should be replaced.
D7			one 2.0 Cap and Should be replaced.
D8			
D9	i and analysis		
D10			
D11	a la grande de la company	_ = <u>f</u> u = <sub>10,1</sub> 0	in a feel of page to the control of
D12			
D13	324 (63 )	F 1 A. C	- 100 Maria - 100
D14			
D15			
D16		LULBE E	The transfer of the second of
D17			
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D19			
D20	<del></del>		
D21			
D22 .			CAST STORE IN THE STORE OF THE
D23 .		"In a book	
		(Use back	k of page if further room is needed)



## Automatic Sprinkler Systems 9 of 9 **Annual Inspection & Tests** Date: Nov 17 2015 Location: **Building "A" Stores East** Recommendations We recommend the following based on this annual inspection and test. These recommendations are not deficiencies and are provided for information only. Corrections of these recommendations are dependent on the owner or authority having jurisdiction. R2. Low pressure switch should be installed to prevent false alarms. R3. Drains should be cleaned out to better handle drain test. R4. R5. R6. R7. R8. R9. (Use back of page if further room is needed) Record any pertinent information here with respect to the building (monitoring company, special codes, keys access, confined space, etc.) System monitored by Protelec 204-949-1415. Important Note: This is an operational test inspection. It does not include a review or analysis of the system design to determine whether or not the system meets current code or standards. BDR Services Ltd. is not responsible for any equipment failure, and any subsequent damage or loss consequential or direct. BDR Services Ltd. is merely verifying operation and condition of equipment at actual time of testing. Owner is responsible for system installation, maintenance and confirmation that system installation requirements are met any time there are alterations, additions, renovations and change of occupancy. Inspector: Bart Dlugosz Inspection Date: Nov 17 2015 223/792 Licence SP/WFD #: Owner Representative: Signature: Ban

Signature:



## Automatic Sprinkler Systems

1 of 9

As per NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, 2008 Edition										
Date:	Nov 17 2015	Inspector:	Bart Dlug	osz	Inspector SP/W	/FD #:	223/79	2		
Property Name:	Winnipeg	Transit Fort Rou	ıge							
Tenant Name:	Building "A"	•								
Address:	421 Osborne Street									
City:	Winnipe	eg Prov	ince:	MB	Postal	Code:				
Contact:	Alex Vecher	ya			Phone :					
General										
Building		Building "A" Sto	res West				1			
System Designa	ation	West stores / ur	iform stores / C	Carpentry Sho	op / Paint shop					
Location of sprin	nkler valve	South West cor	ner of Stores		0.00					
Type of sprinkle	r system	<b>X</b> Wet		Ory	Deluge		Preaction	1		
Is the building of	ccupied?				- 1	X Yes	No	N/A		
Is the system in	service?					<b>X</b> Yes	No	N/A		
The valve heade	er room(s) app	ears to be adequ	ately heated?		5 LamS = 115	X Yes	No _	N/A		
The valve header room(s) have a low-temperature alarm?  Yes No X N/A										
Is it known that t	the system(s)	is hydraulically ca	lculated?		9	Yes	X No	N/A		
		sign provided at				Yes	No X	N/A		
Is there a minim deflector?	s there a minimum of 18"clearance between storage/obstructions and the sprinkler deflector?									
Do all exterior openings appear to be protected from freezing?										
If a hand hose is part of the sprinkler system does it appear to be in good condition?  Confirm that the building has not undergone any alterations/additions since the last inspection?  X Yes No N/A										
Explain No Answers / Comments: System appears to be pipe schedule system.										
Water Supply					r	<u> </u>		¬		
Do reservoirs, tanks, or pressure tanks appear to be in good condition?  Yes No X N/A										
(Water storage t	tanks, private	fire service mains	s, etc. are not co	vered under th	is inspection.)					
Pumps (Fire Pump(s) are not covered under this inspection.)  Is fire pump  Diesel  Electric  Gasoline  X None										
When was pump last inspected?  Does pump appear to be in good condition?  Yes No X N/A										
Does pump appear to be in good condition?  Explain No Answers / Comments:										
Explain No Ansv	wers / Comme									
	A Recognition of the Control of the	and the second second second	Company of the Palarage West (Company of		Artist and the second second	A STATE OF THE PARTY OF THE PAR	A CONTRACTOR	THE RESERVE TO SHARE SHARE		



Yes

Yes

No X N/A

No X N/A

#### Automatic Sprinkler Systems 2 of 9 **Annual Inspection & Tests Building "A" Stores West** Date: Nov 17 2015 Location: Fire Department Connections (Section 13.7) This section is Not Applicable: FDC Location: Across the street of 520 Brandon street Are identification signs provided and in place? X No Yes N/A The connections are visible and accessible? X Yes No N/A Couplings or swivels are not damaged and rotate smoothly? X Yes No N/A Plugs or caps are in place and undamaged? Yes X No N/A Gaskets are in place and in good condition? Yes No N/A The check valve is not leaking? No Yes X N/A The automatic drain valve is in place and appears to be working and in good condition? Yes No X N/A The connection clapper(s) is in place and appears to be operating properly? X Yes N/A Explain No Answers / Comments: Located on the street. There is a valve pit near FDC and was not inspected during this inspection. Fire department connection feeds building "A" and westside of building "B". FDC is missing ONE 2.5" cap. General Condition, Inspected From Floor Level (Section 5.2) This section is Not Applicable: Sprinkler heads appear to be in good condition? (Not corroded, loaded, painted, damaged) X Yes No N/A Piping appears to be in good condition? (Not damaged, leaking, corroded, bent) X Yes No N/A Hangers or Braces appear to be in good condition? (Not damaged, loose, rusted, missing) X Yes No N/A Devices, valves and gauges appear to be in good condition? X Yes No N/A Is stock of spare sprinklers available along with appropriate sprinkler wrench(s)? Yes No N/A Explain No Answers / Comments: Sprinkler Testing (Section 5.3) This section is Not Applicable: All sprinklers installed have been manufactured after 1920? X Yes No N/A Standard response sprinklers are less than fity (50) years old? X Yes No N/A Fast response sprinklers are less than twenty (20) years old? Yes No X N/A

Extra high (325 °F or higher) sprinklers have been tested at five (5) year intervals?

(Sprinklers that do not meet the above criteria are required to be replaced or representative samples from one or more sample areas shall be tested. Test procedures shall be repeated at various intervals as stated in NFPA 25)

Dry sprinklers are less than ten (10) years old?

Explain No Answers / Comments:



Automatic Sprinkler Systems

Wet System Test Table for Wet Alarm Valve

Model

(Ensure alarm company is notified to avoid false alarms.)

Serial #

Make

Grinnell

Size

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This section is Not Applicable:

Alarm Time

Residual PSI

Location of Inspectors Test

Paint shop by Paint room 1

Static PSI

3 of 9

#### **Annual Inspection & Tests** Date: Nov 17 2015 Location: **Building "A" Stores West** Gauges (Section 5.3.2) This section is Not Applicable: Gauges shall be replaced every five (5) years or tested every five (5) years by comparison with a calibrated gauge. Gauges not accurate to within three (3) percent of the full scale shall be recalibrated or replaced. Gauges are less than five (5) years old? Yes X No N/A Gauges have been compared against a calibrated gauge and are within three (3) percent? No Yes N/A Gauges have been replaced during this annual inspection? X No N/A Yes Explain No Answers / Comments: Gauges dated 2009 (x2) Should be replaced. Main Drain Test (Section 13.2.5) This section is Not Applicable: This Year (All readings should be from the supply pressure lower gauge) Last 75 Record the static water supply pressure with no flow. Static PSI Before Residual PSI 65 Open the main drain and allow water flow to stabilize. Record the pressure. Close the main drain slowly. Record the pressure after gauge has stabilized. Static PSI After 75 2" What date was the last main drain test done? 2014 Size of the Main Drain? Explain No Answers / Comments: Wet System (Section 13.4) This section is Not Applicable: The gauges indicate normal water pressure is being maintained? X No N/A Yes No Does alarm valve appear to be free of physical damage? X Yes N/A All trim valves are in the appropriate open or closed position? X Yes No N/A The alarm drains are not leaking? N/A No Yes Wet system is equipped with a tail-end anti-freeze system(s)? No N/A Anti-freeze solution reading is at what freezing point? Anti-freeze solution freezing point appears to be satisfactory? X Yes No N/A Explain No Answers / Comments: Refer to notes.

Explain No Answers / Comments: System Does not have a Low Pressure switch. One should be installed.



# Automatic Sprinkler Systems

4 of 9

Date:	Nov 17 201	5 L	Location: Building "A" Stores West					
Alarm va every fiv Has the If Yes, w If No, wa	ve (5) years unle internal inspec what year was the	associated s ess tests indi tion been con he inspection nspection do	trainers, filters, cate a greater mpleted within completed? ne during this a	and restriction of frequency is neother the last four (4) y Unknow annual inspection when last wet s	orfices shall essary. /ears? in	be inspected	Yes Yes	C No
	stem Vane Typ ter-flow alarm b			and record time t	Thi	is section is	Not Applicat	ole: X
	Switch Zone Des			on of Inspectors Te		Static PSI	Alarm Time	Residual PSI
			310012		1		500 161	
			In rec		(18		1, 1	
							20101	
					-			
				<del></del>	1		E House I had	
					- Indiana	7		
1 (O.)	e System (Sec		sical damage?	r ol	Th	is section is	Not Applicat	ole: X
All trim v	alves are in the	e appropriate	open or closed	d position?			Yes	No N/A
The inte	rmediate cham	ber is not lea	king?				Yes	No N/A
A tag or	card with the la	ast trip date a	nd who conduc	ted the test is a	tached to th	e valve?	Yes	No N/A
Size	Make	Model	Serial #		Location of Inspectors Test			
	HINN DWIN	all gave three		782 - 1 - 1 - 1 - 1 - 1 - 2 - 2 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3		•		
Explain I	No Answers / C	comments:	- Todaya em	Se Train Lieu	- (1720 - 1 a l	i nati se		
			111 417 41 410					
							- Secretaria	



#### Automatic Sprinkler Systems 5 of 9 **Annual Inspection & Tests** Date: Nov 17 2015 Location: **Building "A" Stores West** Dry System Low-Air-Pressure Switch Is the dry system equipped with a low-air-pressure switch? No X N/A Yes If Yes, close the water supply valve isolate quick opening device if one is present and carefully open drain test valve to reduce air pressure slowly. (Do not reduce air pressure sufficiently to trip the dry pipe valve.) Confirm operation of low pressure switch, record air pressure at which low pressure switch activated. Close drain test valve, allow air pressure to rise to normal, then slowly open quick opening device and water supply valve. Record pressure. PSI Explain No Answers / Comments: Dry Pipe System Trip Test Table This section is Not Applicable: Every three (3) years and whenever the system is altered, the dry pipe valve shall be trip tested with the control valve fully open and the quick-opening device, if provided in service. During the years when full flow testing is not required, the dry pipe valve shall be trip tested with the control valve partially open. Has the dry pipe valve been tripped with the control valve fully open in the last two (2) years. If yes, what year was the fully open trip test conducted? N/A Yes No If No, is the fully open trip test being conducted during this annual inspection? Yes No N/A Normal air pressure as per the Manufacturers recommendation **PSI** Water Air Time to Trip Point **Time Water To** Trip test the dry pipe valve. Record the time from opening PSI PSI Trip Air PSI Inspectors Test the inspectors test valve until the dry pipe valve trips. Did the valve and alarm operate properly? Yes No N/A Dry pipe valve interior appears clean and satisfactory? N/A Yes No Quick-opening device operated properly? Yes No N/A Is a sign provided at the dry pipe valve indicating the number of auxiliary drains and location of each auxiliary drain? No N/A Were all identified auxiliary drains drained during this inspection? Yes No N/A Air supply appears to be adequate? Yes No N/A Automatic air pressure maintenance device appears to operate properly? Yes No N/A Was the dry pipe valve filled with priming water after it was trip tested and reset? Yes N/A Explain No Answers / Comments: Dry Pipe System Inspection (Section 13.4.4.1.6) This section is Not Applicable: Dry pipe valve strainers, filters, and restriction orfices shall be inspected internally every five (5) years unless tests indicate a greater frequency is necessary. Has the internal inspection been completed within the last four (4) years? N/A No If Yes, what year was the inspection completed? If No, was the internal inspection done during this annual inspection? No N/A Explain No Answers / Comments:



Explain No Answers / Comments:

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#### **Automatic Sprinkler Systems** 6 of 9 **Annual Inspection & Tests** Date: Nov 17 2015 Location: **Building "A" Stores West** Preaction / Deluge System This section is Not Applicable: X Does valve appear to be free of physical damage? N/A Yes No All trim valves are in the appropriate open or closed position? N/A Yes No The valve seat is not leaking? Yes N/A No The electrical components are in service? Yes No N/A Size Make Model Serial # Strike Through What Does Not Apply Deluge Closed Nozzles Preaction Open Nozzles Supervised Preaction Low-Air-Pressure Alarm Is the preaction system equipped with a low-air-pressure alarm? Yes N/A No If Yes, close the water supply valve and carefully open drain test valve to reduce air pressure slowly. Confirm operation of low pressure alarm, record air pressure of low pressure alarm activation. Close drain test valve, allow air pressure to rise to normal, then open water supply valve. PSI Preaction / Deluge System Trip Test Table (13.4.3.2.2.2) This section is Not Applicable: The preaction / deluge valve shall be trip tested annually as per the manufacturer's instructions. Where the nature is such that water discharge cannot occur unless protected equipment is shutdown, a full flow test shall be conducted at the next scheduled shutdown. In all cases the test frequency shall not exceed 3 years. Preaction or deluge valves protecting freezers shall be trip tested in a manner that does not introduce moisture into the piping in the freezer. PSI Water Air Trip Point Number of detectors required Brief description of valve operation PSI **PSI** Air PSI to trip Preaction system Did the valve and alarm operate properly? Yes No N/A Were all manual actuation devices operated? Yes No N/A For deluge systems did the water discharge pattern appear to be satisfactory? Yes No N/A Air supply appears to be adequate? Yes No N/A Automatic air pressure maintenance device appears to operate properly? Yes No N/A Was the preaction valve filled with priming water after it was trip tested and reset? Yes No N/A Explain No Answers / Comments: Preaction / Deluge System Maintenance (Section 13.4.3.1.7.1) This section is Not Applicable: Interior cleaning and parts replacement or repair shall be permitted every five (5) years for valves that can be reset without removal of the faceplate. If the valve cannot be reset externally the cleaning, replacement or repair shall be completed annually. The valve requires internal resetting, thus the inspection is done during this inspection? N/A No The valve can be reset externally thus has the inspection been done within the last four (4) years? If Yes, what year was the inspection completed? N/A Yes No If No, was the internal inspection done during this annual inspection? Yes N/A



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Automatic Sprinkler Systems 7 of 9															
	An	nua	l Inspectio		×	ı e	St	S							
Date: Nov 17 2015	Loc	ation:	Е	Build	ling	"A"	Sto	es V	Vest						
Control Valves															
Are all control valves identified?															
Are all control valves locked, sealed or equipped with a supervisory switch?															
Are all control valves in the normal open or closed postion?															
Are all control valves free from external leaks?															
During this inspection was ea	ach contro	ol valve o	perated through its full	rang	e?			7	K Y	es		No		N/A	
If applicable post indicator va	alves were	e opened	until spring tension was	s felt	?				Y	es		No	Х	N/A	
If applicable post indicator &	OS&Y va	lves were	e backed 1/4 turn from	fully	oper	n pos	sitior	1?	K Y	es		No		N/A	
Control Valve Table											Al .				
Control Valve Function	# of Valves	Size	Type of Valve		Or	en			Sec	urec	1	-	Sic	gns	
System control valve	1	6"	OS+Y	Х	Y		N	х	Y		N	Х	Y	1	N
Paint shop Glycol	2	2"	G.O.B	Х	Υ		N		Υ	х	N		Υ	х	N
Carpenter shop Glycol	2	1.25"	G.O.B	х	Υ		N	х	Υ		N		Υ	Х	N
Paint shop Booths	4	3"	Gate	Х	Υ		N		Υ	Х	N		Υ	Х	N
Paint booth 4 Iso	1	2"	Gate	Х	Υ		N		Υ	Х	N		Υ	Х	N
Paint shop Glycol Iso	1	2"	Gate	Х	Υ		N		Υ	Х	N		Υ	Х	N
					Υ		N		Υ		N		Υ		N
					Υ		N		Υ		N		Υ		N
					Υ		N		Υ		N	t L	Υ		N
					Υ		N		Υ	51.1	N		Υ		N
Backflow Prevention Asser	mblies (S	ection 1	3.6)	7	his	sec	tion	is N	ot A	ilaa	cabl	e:		1	
All backflow preventers insta			Section 2.										ie	,	
following:															
<ol> <li>A forward flow test shall be inside hose stations are local</li> </ol>			9.5	_	hos	e str	eam	der	nand	d, wh	iere	hydr	ants	or	
(2) A backflow performance t					ctior	ı. sh	all b	oo e	nduc	ted :	at th	e cor	alam	etion	
of the forward flow test.		,	,		7 10 10	,			200 70 7			7 7 70			
For backflow preventers size				ptab	le to	con	duct	with	out	mea	surir	ng flo	W, V	vher	е
the test outlet is of a size to f Where connections do not pe				-d -t	tho	max	imu	m flo		to n	oooil	ala			
			N.	eu ai	. the	Шах	arriu		_		_	1 1	_	1	
Connections do exist to perm						1200		-		es	X	No		N/A	
A forward flow test was cond			AND THE RESERVE OF TH			m?		-		es		No	X	N/A	
	The forward flow test results met the system demand, including hose stream?  Yes No X N/A														
If no connections are availab				flow	rate	pos	ssible	e? 	_	es		No	_	N/A	
Was there a way of measuring								L		es	X	No		N/A	
What flow rate was measure							,	г.	x V			l., '		1,	
Was the backflow preventer	tested wit	n a sena	rate report to check for	no h	ackt	TOW'	/		K IV	29		INO		IN//A	



### Automatic Sprinkler Systems

8 of 9

Date	Nov 17 2015	Location:	Building "A" Stores West
An in conn inspet Has y If Yes If No This Base	ection at the end of one meeting for the presence of the prese	anch line conditions nain and by removitoring or	n conducted within the last four (4) years? Yes X No N/A
		1111	
The s	ections should be made.	eficiencies that sh D1. Obstructi	ould be reviewed with the authority having jurisdiction to determine on investigation of piping should be done every 5 years.
D2			omponents should be done every 5 years.
D3 D4	All system control valve		
D5	Fire department conne	es snould be ide	ntified and "keep open" signs should be installed.
D6			one 2.5" cap and should be replaced.
D7			
D8	All Collitois valves sile	ula be locked or	secured open by electronic device.
D9			
D10			August State of the Control of the C
D11			
D12			
D13		And The Treatment	
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### Automatic Sprinkler Systems

9 of 9

Ailidai ilispe	CHOIL & LESTS										
Date: Nov 17 2015 Location:	Building "A" Stores West										
Recommendations We recommend the following based on this annual inspectio and are provided for information only. Corrections of these relations jurisdiction.  R1.	We recommend the following based on this annual inspection and test. These recommendations are not deficiencies and are provided for information only. Corrections of these recommendations are dependent on the owner or authority										
R2. Low pressure switch should be installed to preven	A f-11										
R3. Drains should be cleaned out to better handle drai											
R4.	ii test.										
R5.											
R6.											
R7.											
R8.											
R9(Lise back of page if	further room is needed)										
General Notes											
Record any pertinent information here with respect to the buil	lding (monitoring company, special codes, keys										
access, confined space, etc.)											
System monitored by Protelec 204-949-1415.											
There are TWO Anti-freeze zones on this system. The Pa	int show look was some 20 O if was asking alread										
and carpenter shop measured at -27 C if propelyne glyco	Int snop loop measures -28 C ir propelyne glycol,										
and amplement and managed as an array of the best of the second and the second an	1.										
I											
mportant Note: This is an operational test inspection. It does not include a review or analysis of the system design to determine whether or not the system meets current code or standards. BDR Services Ltd. is not responsible for any equipment aillure, and any subsequent damage or loss consequential or direct. BDR Services Ltd. is merely verifying operation and condition of equipment at actual time of testing. Owner is responsible for system installation, maintenance and confirmation that system installation requirements are met any time there are alterations, additions, renovations and change of occupancy.											
Inspector: Bart Dlugosz Ir	nspection Date: Nov 17 2015										
Licence SP/WFD #: 223/792 C	Owner Representative:										
Signature: Bandon S	Signature:										



### Automatic Sprinkler Systems

1 of 9

As per NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, 2008 Edition									
Date: Nov 17 2015	Inspector:	Bart Dlugosz	Inspector SP/W	VFD #:	223/792				
	ansit Fort Rouge		72.2						
Tenant Name: Building "A"	-								
Address: 421 Osborne S	Street								
City: Winnipeg	Province:	MB	Postal	Code:					
Contact: Alex Vecherya	l .		Phone: _						
General				l unal	100				
Building Bu	uilding "A" High Ba	ay West/Low Bay Wes	t Traffic		3 				
System Designation W	est High Bay/West	Low Bay Traffic							
Location of sprinkler valve In	front of Bus Bay 3	2 Valve room							
Type of sprinkler system	<b>X</b> Wet	Dry	Deluge		Preaction				
Is the building occupied?			1	X Yes	No N/A				
Is the system in service?			-	X Yes	No N/A				
The valve header room(s) appea	The valve header room(s) appears to be adequately heated?								
The valve header room(s) have	The valve header room(s) have a low-temperature alarm?  Yes No X N/A								
Is it known that the system(s) is	Is it known that the system(s) is hydraulically calculated?								
If yes, is hydraulic information si				Yes	No X N/A				
Is there a minimum of 18"cleara deflector?	nce between storage	e/obstructions and the s	sprinkler	x Yes	No N/A				
Do all exterior openings appear	to be protected from	r freezing?		X Yes	No N/A				
If a hand hose is part of the sprin Confirm that the building has not				Yes	No X N/A				
inspection?	t undergone any alte	stations/additions since	the last	X Yes	No N/A				
Explain No Answers / Comment	s: System appe	ears to be pipe sched	ule system, not	hydraulical	ly calculated.				
Water Supply									
Do reservoirs, tanks, or pressure	and the second s			Yes	No X N/A				
(Water storage tanks, private fire	e service mains, etc	. are not covered under	this inspection.)						
Pumps (Fire Pump(s) are not co	over <u>ed u</u> nder this ins			_	_				
Is fire pump	Diesel	Electric	Gasolin	e <b>_X</b>	None				
When was pump last inspected?	The state of the s								
Does pump appear to be in good	d condition?			Yes	No X N/A				
Explain No Answers / Comment	:s:								
	The second second second			- The California Const					



### Automatic Sprinkler Systems

2 of 9

Date: Nov 17 2015 Location: Building "A" High Bay West/Lo	w Bay West Traffic									
Fire Department Connections (Section 13.7) This section	is Not Applicable:									
FDC Location: Across the street of 520 Brandon street	MARK I									
Are identification signs provided and in place?	Yes X No N/A									
The connections are visible and accessible?	X Yes No N/A									
Couplings or swivels are not damaged and rotate smoothly?	X Yes No N/A									
Plugs or caps are in place and undamaged?	Yes X No N/A									
Gaskets are in place and in good condition?										
The check valve is not leaking?	Yes No X N/A									
The automatic drain valve is in place and appears to be working and in good condition?	Yes No X N/A									
The connection clapper(s) is in place and appears to be operating properly?	X Yes No N/A									
Explain No Answers / Comments: Located on the street. There is a valve pit nea	r FDC and was not									
inspected during this inspection. Fire department connection feeds building "A" a	and westside of building									
"B". FDC is missing ONE 2.5" cap.										
General Condition, Inspected From Floor Level (Section 5.2) This section	is Not Applicable:									
Sprinkler heads appear to be in good condition? (Not corroded, loaded, painted, damaged)	X Yes No N/A									
Piping appears to be in good condition? (Not damaged, leaking, corroded, bent)	X Yes No N/A									
Hangers or Braces appear to be in good condition? (Not damaged, loose, rusted, missing)	X Yes No N/A									
Devices, valves and gauges appear to be in good condition?	X Yes No N/A									
Is stock of spare sprinklers available along with appropriate sprinkler wrench(s)?	X Yes No N/A									
Explain No Answers / Comments:										
Sprinkler Testing (Section 5.3) This section	n is Not Applicable:									
All sprinklers installed have been manufactured after 1920?	X Yes No N/A									
Standard response sprinklers are less than fity (50) years old?	X Yes No N/A									
Fast response sprinklers are less than twenty (20) years old?	Yes No X N/A									
Extra high (325 °F or higher) sprinklers have been tested at five (5) year intervals?	Yes No X N/A									
Dry sprinklers are less than ten (10) years old?	Yes No X N/A									
(Sprinklers that do not meet the above criteria are required to be replaced or representa	tive samples from one or									
more sample areas shall be tested. Test procedures shall be repeated at various intervals as stated in NFPA 25)										
Explain No Answers / Comments:										
	M. I. Share a series of the se									



### Automatic Sprinkler Systems

3 of 9

Date:	Nov 17 201	<u>5</u> Lo	ocation:	Building "A" High Bay	West/Low Bay	West Traffic	<u> </u>				
Gauges	(Section 5.3.2	!)		Th	is section is N	ot Applicable	9:				
Gauges Gauges Gauges Gauges Gauges	shall be replace not accurate to are less than fi	ed every five within three ve (5) years on pared against daced during the	(3) percent of the color of the	sted every five (5) years by one full scale shall be recalibed and are within three (	comparison with rated or replace 3) percent?	a calibrated ed.	gauge.  No N/A No X N/A				
1	Main Drain Test (Section 13.2.5)  This section is Not Applicable:										
	lings should be			(A) (A) (A)	[a a	This Yea	r Last				
	the static water	A A 150 B			Static PSI Before	е					
				e. Record the pressure.	Residual PSI	_	-				
				after gauge has stabilized.  2014 Size o	Static PSI After	,					
Control of the Control											
The gau Does ala All trim v The alar Wet sys Anti-free Anti-free	Wet System (Section 13.4)  The gauges indicate normal water pressure is being maintained?  Does alarm valve appear to be free of physical damage?  All trim valves are in the appropriate open or closed position?  The alarm drains are not leaking?  Wet system is equipped with a tail-end anti-freeze system(s)?  Anti-freeze solution reading is at what freezing point?  Anti-freeze solution freezing point appears to be satisfactory?  Explain No Answers / Comments:  No tail end anti-freeze system.										
Wet Sys	stem Test Tabl	e for Wet Al	arm Valve Serial #		is section is Nonector		e:				
6"	Grinnell	A	Seriai # F4841		compressor S						
	alarm compan				Static PSI	Alarm Time	Residual PSI				
				g inspector's test valve.	125 psi	22 sec	70 psi				
				O	•		•				
Is the we	Wet System Low-Water-Pressure Switch  Is the wet system equipped with a low-water-pressure switch?  If Yes, open drain test valve to reduce water pressure slowly. Confirm operation of low pressure switch, record water pressure at which low pressure switch activated. Close drain test and pump system up to normal pressure										
and restore to service. Record pressure. PSI											
Explain	Explain No Answers / Comments: System Does not have a Low Pressure switch. One should be installed.										



### Automatic Sprinkler Systems

4 of 9

Date:	Nov 17 2015		_ocation:	Building "A" High	n Bay West/Low B	av West Tra	ffic			
				Danaing A riigi						
Alarm va		ssociated s	strainers, filters,	and restriction orfices requency is necessary		Not Applica internally	ble:			
Has the	internal inspecti	on been co	mpleted within the	ne last four (4) years?		Yes 2	No N/A			
If Yes, w	f Yes, what year was the inspection completed?  Unknown									
If No, was the internal inspection done during this annual inspection?										
Explain	Explain No Answers / Comments: Unknown when last wet system inspection was and should be done.									
	stem Vane Type				This section is	Not Applicat	ole: X			
				nd record time that ala		Alama Tima	Davidual DOI			
Flow :	Switch Zone Design	gnation	Location	n of Inspectors Test	Static PSI	Alarm Time	Residual PSI			
				eta de Erme e St.		3.57				
_				10.1						
				Harris Partie III						
				71 426 43	2. 4					
		13	84	la service	8, 1		11			
		1 1				il-	, u - a			
					dia Ma	, i				
					1 to 1 out 4		14 - 10"			
					gri i gri					
					I, T					
			<u> </u>		evilla V		1 1 1 1 1			
15.	e System (Sect				This section is					
	lve appear to be			0		Yes	No N/A			
			e open or closed	position?		Yes	No N/A			
	rmediate chamb		_	tad the test is attached	d to the value?	Yes	No N/A			
			,	ted the test is attached		Yes _	No N/A			
Size	Make	Model	Serial #	L	ocation of Inspec	tors Test				
Explain	No Answers / Co	omments:	1							
	11/1 11	https://	O STATES	The second of	eoffgar - 3	ic.				



### Automatic Sprinkler Systems

5 of 9

]	ildai ilispe	otion (							
Date: Nov 17 2015 Loca	ation: Buildi	ng "A" High	Вау	West/Low	Bay West Tr	affic	_		
Dry System Low-Air-Pressure Switcl	h					2-11	. 11		
Is the dry system equipped with a low-a	air-pressure switch?				Yes	No X	N/A		
If Yes, close the water supply valve isolate quick opening device if one is present and carefully open drain test valve to reduce air pressure slowly. (Do not reduce air pressure sufficiently to trip the dry pipe valve.) Confirm operation of low pressure switch, record air pressure at which low pressure switch activated. Close drain test valve, allow air pressure to rise to normal, then slowly open quick opening device and water supply valve.  Explain No Answers / Comments:									
Explain No / nowers / comments.									
Dry Pipe System Trip Test Table  Every three (3) years and whenever the system is altered, the dry pipe valve shall be trip tested with the control valve fully open and the quick-opening device, if provided in service. During the years when full flow testing is not required, the dry pipe valve shall be trip tested with the control valve partially open.  Has the dry pipe valve been tripped with the control valve fully open in the last two  (2) years. If yes, what year was the fully open trip test conducted?  If No, is the fully open trip test being conducted during this annual inspection?  Yes  No  N/A									
If No, is the fully open trip test being co	nducted during this and	nual inspecti	ion?		Yes	No	N/A		
Normal air pressure as per the Manufacturers recommendation PSI									
Trip test the dry pipe valve. Record the time from opening the inspectors test valve until the dry pipe valve trips.  Water Air Time to Trip Point Inspectors Test Valve Unit Inspector									
Did the valve and alarm operate proper	rlv?				Yes	No	N/A		
Dry pipe valve interior appears clean a	15)				Yes	No	N/A		
Quick-opening device operated properl Is a sign provided at the dry pipe valve location of each auxiliary drain?	y?	of auxiliary o	drains	s and	Yes	No No	N/A N/A		
Were all identified auxiliary drains drair	ned during this inspection	on?			Yes	No	N/A		
Air supply appears to be adequate?					Yes	No	N/A		
Automatic air pressure maintenance de	evice appears to operat	te properly?			Yes	No	N/A		
Was the dry pipe valve filled with primir	ng water after it was trip	tested and	rese	et?	Yes	No	N/A		
Explain No Answers / Comments:									
Dry Pipe System Inspection (Section Dry pipe valve strainers, filters, and resindicate a greater frequency is necessar Has the internal inspection been complifyes, what year was the inspection colf No, was the internal inspection done Explain No Answers / Comments:	triction orfices shall be ary. eted within the last four mpleted?	r (4) years?			is Not Applic e (5) years ur Yes		] ]n/a ]n/a		



Explain No Answers / Comments:

11 Yard Street Winnipeg MB R2W 5J6 | P: 204.586.8227 | F: 204.582.3657 | www.bdrservices.ca

Automa	Automatic Sprinkler Systems 6 of 9								
	Annual Inspection & Tests								
Date:	Nov 17	2015 L	ocation:I	Building "A"	High Bay We	st/Low Bay	West T	raffic	
Preaction / Deluge System This section is Not Applicable: X									
Does valv	ve appear	to be free of phys	sical damage?				Yes	No	N/A
All trim va	alves are ir	the appropriate	open or closed pos	sition?		0.4	Yes	No	N/A
The valve	e seat is no	t leaking?					Yes	No	N/A
The elect	rical comp	onents are in se	rvice?			711.91	Yes	No	N/A
Size	Make	Model	Serial #		Strike Through	h What Do	es Not	Apply	
				Deluge	Preaction	Closed N	lozzles	Open	Nozzles
Supervis	ed Preact	ion Low-Air-Pre	essure Alarm				_		
Is the pre	action syst	em equipped wit	th a low-air-pressure	e alarm?			Yes	No	N/A
f Yes, close the water supply valve and carefully open drain test valve to reduce air pressure slowly.  Confirm operation of low pressure alarm, record air pressure of low pressure alarm activation. Close drain rest valve, allow air pressure to rise to normal, then open water supply valve.  Preaction / Deluge System Trip Test Table (13.4.3.2.2.2)  This section is Not Applicable:  The preaction / deluge valve shall be trip tested annually as per the manufacturer's instructions. Where the nature is such that water discharge cannot occur unless protected equipment is shutdown, a full flow rest shall be conducted at the next scheduled shutdown. In all cases the test frequency shall not exceed 3									
			cheduled shutdown otecting freezers sl			•		ed 3	
		nto the piping in		ian be trip te	stea in a maini	or triat docs	Hot		PSI
Water	Air	Trip Point	Number of detector	rs required	Brief d	escription of	of valve	operatio	n
PSI	PSI	Air PSI	to trip Preaction						
J-Mary		- 1							
Did the va	alve and al	arm operate pro	perly?				Yes	No	N/A
Were all r	manual act	uation devices o	perated?			- 1	Yes	No	N/A
For delug	e systems	did the water dis	scharge pattern app	ear to be sat	isfactory?		Yes	No	N/A
Air supply	appears t	o be adequate?				I C P <sub>I</sub>	Yes	No	N/A
Automatio	air pressi	ure maintenance	device appears to	operate prop	erly?		Yes	No	N/A
Was the p	oreaction v	alve filled with p	riming water after it	was trip test	ed and reset?	17	Yes	No _	N/A
Explain N	o Answers	/ Comments:		Left of a L		<u> </u>		- 11	
Preaction / Deluge System Maintenance (Section 13.4.3.1.7.1) Interior cleaning and parts replacement or repair shall be permitted every five (5) years for valves that can be reset without removal of the faceplate. If the valve cannot be reset externally the cleaning, replacement or repair shall be completed annually.									
The valve requires internal resetting, thus the inspection is done during this inspection?  Yes No N/A									
The valve	The valve can be reset externally thus has the inspection been done within the last four								
			inspection complete			HIP 27 D	Yes	No	N/A
If No, was	the intern	al inspection do	ne during this annua	al inspection?	)		Yes	No	N/A



Protection, Prevention.	Periorinar	(6														
Automatic Sprinkl	er Syste	ms												7 (	of 9	
1	F	۱n	nua	l Inspectio	n 8	₹ -	Ге	st	S							
Date: Nov 17 201	5	Loc	ation: _	Building "A'	" High	Bay	/ We	st/L	ow	Вау	Wes	st Tr	affic			_
Control Valves									210	- Proper				715		
Are all control valves ide	entified?									Υ	es	X	No		N/A	
Are all control valves lo	cked, seale	ed o	r equippe	ed with a supervisory s	witch	?				K Y	es		No		N/A	101
Are all control valves in	the norma	I ор	en or clo	sed postion?						<b>K</b> Y	es		No		N/A	
Are all control valves free from external leaks?																
During this inspection w	During this inspection was each control valve operated through its full range?															
If applicable post indica	tor valves	were	e opened	until spring tension w	as felt	?				Y	es		No	X	N/A	
If applicable post indica	tor & OS&	Y va	lves wer	e backed 1/4 turn from	n fully	oper	n pos	sition	?	<b>K</b> Y	es	1.3.29	No		N/A	
Control Valve Table																
Control Valve Funct		of ves	Size	Type of Valve		٥٠	en			500	urec	1		e:	gns	
System control valve		ves I	6"	OS+Y	x	ΙΥ	Jen	N	Х	Y	urec	N	х	Y	JIIS	N
Building B Isolation		1	8"	Wafer G.O.B	X	Y		N	х	Y		N		Y	х	
West Low Bay / CTS IS	so	1	6"	Wafer G.O.B	х	Υ		N	х	Y		N		Y	Х	N
(In store above East hea						Υ		N		Υ		N		Υ		N
						Υ		N		Υ		N		Υ		N
						Y		N		Υ		N		Υ		N
						Υ		N		Υ		N		Υ		N
						Υ		N		Υ		N		Υ		N
						Υ		N		Υ		N		Υ		N
				E.		Υ		N		Υ		N		Υ		N
Backflow Prevention A	Assemblie	s (S	ection 1	3.6)	7	This	sect	ion	is N	ot A	ppli	cabl	e:	х	i	
All backflow preventers following:	installed in	fire	protection	on system piping shall	be te	sted	annı	ually	in a	ccor	dano	ce w	ith th	е	<u>*</u> ),	
(1) A forward flow test s	hall be cor	nduc	ted at the	e system demand, inc	luding	hos	e str	eam	den	nand	d, wh	nere	hydr	ants	or	
inside hose stations are	located do	own	stream o	f the backflow prevent	er.											
(2) A backflow performs of the forward flow test.	ance test, a	is re	equired by	y the authority having	jurisdi	ction	, sha	all be	OO S	nduc	ted a	at the	e cor	nple	tion	
For backflow preventers	s sized 2" a	and	under a f	onward flow test is acc	entah	le to	con	duct	with	out	mea	eurir	na fla	NA/ \/	vhore	2
the test outlet is of a siz					cpias	10 10	COIL	auci	WILI	lout	nea	Surii	ig ilo	vv, v	VIICIO	-
Where connections do i	not permit	a fu	II flow tes	t, test shall be comple	eted at	the	max	imur	n flo	w ra	te po	ossik	ole.			
Connections do exist to	permit a fo	ıll fo	rward flo	w test?						Y	es		No		N/A	
A forward flow test was	conducted	at t	he syste	m demand, including h	nose s	trea	m?			Υ	es		No		N/A	
The forward flow test re	sults met t	he s	ystem de	emand, including hose	strea	m?				Y	es		No		N/A	
If no connections are av	ailable wa	saf	low test	conducted at maximur	n flow	rate	pos	sible	?	Υ	es		No		N/A	
Was there a way of mea	asuring the	ma	ximum fl	ow rate?						Υ	es		No		N/A	
What flow rate was mea	sured duri	ng t	he maxir	num flow rate?					Ξ						_	
Was the backflow preve	enter tested	wit	h a sepa	rate report to check fo	r no b	ackf	low?			Υ	es		No		N/A	



### Automatic Sprinkler Systems

8 of 9

	The second of th								
Date:	Nov 17 2015 Location: Building "A" High Bay West/Low Bay West Traffic								
An inscended inspection Has voted that the second terms of the sec	ruction Investigation (Section 14.2.1) spection of piping and branch line conditions shall be conducted every five (5) years by opening a flushing ection at the end of one main and by removing a sprinkler toward the end of one branch line for the purpose of cting for the presence of foreign organic and inorganic material.  visual obstruction investigation of piping been conducted within the last four (4) years?  Yes  No  N/A  was the visual obstruction investigation conducted during this annual inspection?  Yes  No  X  N/A								
	his visual obstruction investigation results appears that piping is not obstructed?  A visual obstruction investigation results appears that piping is not obstructed?  A visual obstruction investigation results appears that piping is not obstructed?  A visual obstruction investigation results appears that piping is not obstructed?  A visual obstruction investigation results appears that piping is not obstructed?  A visual obstruction investigation results appears that piping is not obstructed?  A visual obstruction investigation results appears that piping is not obstructed?  A visual obstruction investigation results appears that piping is not obstructed?								
The same of the same	ain No Answers / Comments: Unknown when last Obstruction invesitgation was done and should								
be do	one.								
The s	iencies (As per NFPA 25 - 2008)  system has the following deficiencies that should be reviewed with the authority having jurisdiction to determine rections should be made. D1. Obstruction investigation of piping should be done every 5 years.								
D2	Internal Inspection of alarm valve and components should be done every 5 years.								
D3	Gauges are older then 5 years and should be replaced.								
D4	Two sprinkler heads are covered with tape at high roof new bay addition.								
D5	Fire department connection should have a identification sign.								
D6	Fire department connection is missing one 2.5" cap and should be replaced.								
D7	All system control valves should be identified and "keep open" signs should be installed.								
D8									
D9									
D10									
D11	. 설로 15gg - 1 gg - 1 gg gr - 2 gg gr - 2 gg - 2								
D12	grown and the state of the stat								
D13	Company of the compan								
D14									
D15	· · · · · · · · · · · · · · · · · · ·								
D16	a de la transportación de								
D17									
D18									
D19									
D20									
D21	The Englishment Englishment Englishment Englishment								
D22	in the state of th								
D23	Take way to the part of the pa								
	(Use back of page if further room is needed)								



Automatic Sprinkler Systems

9 of 9

Date:	Nov 17 2015	Location:	Building "A" High Bay West/Low Bay West Traffic						
We re and a	re provided for informatio	on only. Correction	ual inspection and test. These recommendations are not deficiencies ns of these recommendations are dependent on the owner or authority by duct in new addition bay should also check for 18" of						
_	clearance for spary pat	ttern to develop	properly.						
R2.	Low pressure switch s	hould be installe	ed to prevent false alarms.						
R3.	Drains should be clean	ed out to better	handle drain test.						
R4.		8							
R5.									
R6.									
R7.									
R8.									
R9.									
		(Use bac	ck of page if further room is needed)						
Recor acces	General Notes Record any pertinent information here with respect to the building (monitoring company, special codes, keys access, confined space, etc.) System monitored by Protelec 204-949-1415.								
This is whether failure and confirm	Important Note: This is an operational test inspection. It does not include a review or analysis of the system design to determine whether or not the system meets current code or standards. BDR Services Ltd. is not responsible for any equipment failure, and any subsequent damage or loss consequential or direct. BDR Services Ltd. is merely verifying operation and condition of equipment at actual time of testing. Owner is responsible for system installation, maintenance and confirmation that system installation requirements are met any time there are alterations, additions, renovations and change of occupancy.								
			Inspection Date: Nov 17 2015						
Licenc	ce SP/WFD #: 223/792	2	Owner Representative:						
Signat	ure: Band		Signature:						





### Automatic Sprinkler Systems

1 of 9

As per NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, 2008 Edition								
Date:	Nov 17 2015	Inspector:	Bart Dlugosz	Inspector SP/	WFD #: 223/792			
Property Name:		Transit Fort Rou		mapector or /	VVI D #	-		
Tenant Name:	Building B	Transit i ort itou	90					
Address:	421 Osborn	a Street						
City:	Winnip		nce: MB	Posts	al Code:			
Contact:	Alex Veche		ice. IVID	Phone :	ar code.	_		
General						=		
Building		Building "B" Nor	th Track 1-12			$\dashv$		
System Designa	ation	North Track 1-12						
Location of sprin			er of building in Maint	enance Bay				
Type of sprinkler	r system	<b>X</b> Wet	Dry	Deluge	Preaction			
Is the building od	ccupied?				X Yes No N/	Α		
Is the system in	service?				X Yes No N/	Α		
The valve heade	er room(s) ap	pears to be adequa	ately heated?		X Yes No N/			
The valve heade	er room(s) hav	ve a low-temperatu	re alarm?		Yes No X N/	Α		
Is it known that t	the system(s)	is hydraulically cal	culated?		Yes X No N/	Α		
If yes, is hydraul	ic information	sign provided at v	alve(s)?		Yes No X N/	Α		
Is there a minimed deflector?	um of 18"clea	arance between sto	orage/obstructions and t	he sprinkler	X Yes No N/	Ά		
Do all exterior op	penings appe	ar to be protected	from freezing?		X Yes No N/	Α		
			es it appear to be in goo alterations/additions si		X Yes No N/			
Explain No Answ	vers / Comme	ents: System a	appears to be pipe sch	edule system.		•		
•			pp same so as pripe so.		1 - 11 11 11 11			
					3,1			
Water Supply								
Do reservoirs, ta	nks, or press	ure tanks appear t	o be in good condition?		Yes No X N/	Α		
(Water storage ta	anks, private	fire service mains,	etc. are not covered un	der this inspection.)				
Pumps (Fire Pui	mp(s) are not	covered under this	s inspecti <u>on.)</u>					
ls fire pump		Diesel	Electric	Gasolin	ne X None			
When was pump	last inspecte	ed?						
Does pump appe	ear to be in go	ood condition?			Yes No X N/	Α		
Explain No Answ	ers / Comme	ents:						



### Automatic Sprinkler Systems

2 of 9

Date: Nov 17 2015 Location: Building "B" North Tra	ck 1-12	
Fire Department Connections (Section 13.7)  This section	is Not Applicable:	
FDC Location: Across the street of 520 Brandon street	4 DS 10 VI	
Are identification signs provided and in place?	Yes X No	N/A
The connections are visible and accessible?	X Yes No	N/A
Couplings or swivels are not damaged and rotate smoothly?	X Yes No	N/A
Plugs or caps are in place and undamaged?	Yes X No	N/A
Gaskets are in place and in good condition?	X Yes No	N/A
The check valve is not leaking?	Yes No	X N/A
The automatic drain valve is in place and appears to be working and in good condition?	Yes No	X N/A
The connection clapper(s) is in place and appears to be operating properly?	X Yes No	N/A
Explain No Answers / Comments: Located on the street. There is a valve pit near	FDC and was not	Eng.
inspected during this inspection. Fire department connection feeds building "A" ar	nd westside of buildi	ng
"B". FDC is missing ONE 2.5" cap.		
1 W 1 W 1 W 1 W 1 W 1 W 1 W 1 W 1 W 1 W	1 3040	
General Condition, Inspected From Floor Level (Section 5.2) This section is	is Not Applicable:	
Sprinkler heads appear to be in good condition? (Not corroded, loaded, painted, damaged)	X Yes No	N/A
Piping appears to be in good condition? (Not damaged, leaking, corroded, bent)	X Yes No	N/A
Hangers or Braces appear to be in good condition? (Not damaged, loose, rusted, missing)	X Yes No	N/A
Devices, valves and gauges appear to be in good condition?	X Yes No	N/A
Is stock of spare sprinklers available along with appropriate sprinkler wrench(s)?	X Yes No	N/A
Explain No Answers / Comments:		
	THE RESERVE THE PROPERTY.	
Sprinkler Testing (Section 5.3) This section	is Not Applicable:	
All sprinklers installed have been manufactured after 1920?	X Yes No	N/A
Standard response sprinklers are less than fity (50) years old?	X Yes No	N/A
Fast response sprinklers are less than twenty (20) years old?	Yes No	X N/A
Extra high (325 °F or higher) sprinklers have been tested at five (5) year intervals?	Yes No	X N/A
Dry sprinklers are less than ten (10) years old?	Yes No	X N/A
(Sprinklers that do not meet the above criteria are required to be replaced or representati	ive samples from one	or
more sample areas shall be tested. Test procedures shall be repeated at various interva	ls as stated in NFPA 2	25)
Explain No Answers / Comments:	The same of the	



# Automatic Sprinkler Systems Annual Ins

3 of 9

Annual	Inspection	& Tests
Alliuai	mapecuon	or 100to

Date:	Nov 17 201	<u>5</u> Lo	ocation:	Building "B"	North Track 1-	12			
Gauges	Gauges (Section 5.3.2) This section is Not Applicable:								
	Gauges shall be replaced every five (5) years or tested every five (5) years by comparison with a calibrated gauge.								
Gauges not accurate to within three (3) percent of the full scale shall be recalibrated or replaced.									
	Gauges are less than five (5) years old?								
				gauge and are within three (	3) percent?	Yes	No X N/A		
_	have been repl			1 (7)		Yes X	No N/A		
Explain No Answers / Comments: Gauges dated 2009 (x2) Should be replaced.									
Main Dr	Main Drain Test (Section 13.2.5)  This section is Not Applicable:								
(All read	lings should be	from the sup	ply pressure lo	wer gauge)		This Yea	ar Last		
	the static water				Static PSI Before	70			
Open the	e main drain an	d allow water	flow to stabiliz	e. Record the pressure.	Residual PSI	69			
Close th	e main drain sl	owly. Record	the pressure a	after gauge has stabilized.	Static PSI After	70			
What da	ate was the last	main drain te	est done?	2014 Size o	f the Main Drain?	2''			
Explain	No Answers / C	comments:	Drain does	not handle test. Check va	lve on drain cu	p does not h	ıold.		
Wet Sys	stem (Section	13.4)		Th	is section is No	ot Applicable	e: 🔲 📗		
The gau	iges indicate no	rmal water pi	ressure is being	g maintained?	Х	Yes	No N/A		
Does ala	arm valve appe	ar to be free	of physical dam	nage?	Х	Yes	No N/A		
All trim v	valves are in the	e appropriate	open or closed	position?	X	Yes	No N/A		
The alar	rm drains are no	ot leaking?			X	Yes	No N/A		
Wet sys	tem is equipped	d with a tail-e	nd anti-freeze s	system(s)?		Yes X	No N/A		
	eze solution rea	1000							
Anti-free	eze solution free	ezing point ap	pears to be sa	tisfactory?		Yes	No X N/A		
Explain	No Answers / C	comments:							
Wet Sys	stem Test Tabl				is section is No		e:		
Size	Make	Model	Serial #		on of Inspector		(C) (C)		
6"	Grinnell	Α	N/A		corner of Track				
	alarm compan					Alarm Time			
Test ala	ırm valve water	flow alarm sv	witch by openin	g inspector's test valve.	130 psi	44 sec	70 psi		
Wet Sys	stem Low-Wat	er-Pressure	Switch				. —		
Is the w	et system equip	ped with a lo	w-water-pressu	re switch?		Yes X	No N/A		
If Yes, o	pen drain test v	alve to reduc	ce water pressu	ire slowly. Confirm operation	on of low pressur	e switch, rec	ord water		
pressure	e at which low p	ressure swite	ch activated. C	lose drain test and pump sy	stem up to norm	nal pressure			
CONTRACTOR STATEMENT	tore to service.				Record pres		PSI		
Explain	No Answers / C	Comments:	System Doe	es not have a Low Pressu	re switch. One	should be in	istalled.		



Automa	tic Sprinkle	er System	:				4 of 9
ratoma	шо оринки			spection &	Toete		4 01 3
		/~\i	iiidai iiis				
oate: _	Nov 17 201	5 Lo	cation:	Building '	'B" North Track	(1-12	15-11-12
larm val	(5) years unle	associated stress tests indic	ainers, filters, and ate a greater frequ	restriction orfices shauency is necessary.	This section is all be inspected	internally	
				ast four (4) years?		Yes )	No No
	at year was th	And the second second		Unknown			
			e during this annu				No N/
xpiain iv	o Answers / C	omments:	Unknown when	n last wet system ins	spection was a	na snoula be	aone.
	em Vane Typ r-flow alarm b			ecord time that alarm	This section is registers.	Not Applicat	ole: X
Flow St	witch Zone Des	ignation	Location of	Inspectors Test	Static PSI	Alarm Time	Residual PS
			9 h (8)	usia Lunulungasi k			200
			ii-5/5/alls	de <u>a deservação de</u>			No. of the last
				ALA		description (i.e.	
	5,501,101	Tanılı de la	southern use	Constitution of	16 (0) ( ) (4)		
	1-1-						
				<u> </u>			
						100	
				rott 6	ALIAN - HARAS		
-						F AMELY TO	4 -44
					(8) (SCL)		
	19.						
	The second second		and the same				
ry Pipe	System (Sect	tion 13.4.4)	gan v lafikurd		This section is	Not Applica	ble: X
Does valv	e appear to be	e free of phys	ical damage?			Yes	No N/
All trim va	lves are in the	e appropriate	open or closed po	sition?		Yes	No N/
The interr	nediate cham	ber is not leal	king?			Yes	No N/
A tag or c	ard with the la	ist trip date ai	nd who conducted	the test is attached to	o the valve?	Yes	No N/
Size	Make	Model	Serial #	Loc	ation of Inspec	tors Test	7 - 1
		and the second					
Explain N	o Answers / C	Comments:	\ <u></u>				i ti v
	SOF OF S	11127 - 15	Lag - 294 (LU) - LT - 194	- action as House	170)		





### Automatic Sprinkler Systems

5 of 9

Date:	Nov 17 2015	Location:		Build	ing "B	" North Trac	ck 1-12	7	
_	em Low-Air-Pressu	re Switch							
		th a low-air-pressure	switch?				Yes	No X	N/A
drain test valve.) ( activated device ar	t valve to reduce air p Confirm operation of l		<i>not reduce</i> ecord air p	<i>air press</i> ressure a normal, th	<i>ure sut</i> at which aen slo	<i>ficiently to tri</i> n low pressu	p the dry pipe e switch	9	PSI
						- 6			
Every thr fully oper the dry p	n and the quick-openi ipe valve shall be trip	table enever the system is a fing device, if provided tested with the control ipped with the control	in service. ol valve par	. During trially ope	valve s the yea n.	hall be trip te ars when full		e control valves not require	ve ed,
(2) years	. If yes, what year wa	s the fully open trip te	st conduct	ed?			Yes	No L	N/A
If No, is t	he fully open trip test	being conducted duri	ing this anr	nual inspe	ection?		Yes	No L	N/A
Normal a	ir pressure as per the	e Manufacturers reco	mmendatio	on					PSI
		ecord the time from o		Water PSI	Air PSI	Time to Trip	Trip Point Air PSI	Time Wa	
Did the v	alve and alarm opera	ate properly?					Yes	No	¬ <sub>N/A</sub>
		s clean and satisfacto	rv2				Yes	H <sub>No</sub> H	N/A
Quick-op Is a sign	ening device operate	ed properly? ipe valve indicating th		of auxiliar	y drair	is and	Yes	No No	N/A N/A
Were all	identified auxiliary dr	ains drained during th	is inspection	on?			Yes	No	N/A
Air suppl	y appears to be adeq	uate?					Yes	No	N/A
Automati	c air pressure mainte	enance device appear	s to operat	te properl	y?		Yes	No	N/A
Was the	dry pipe valve filled v	vith priming water afte	er it was trip	tested a	nd res	et?	Yes	No	N/A
Explain N	No Answers / Comme	ents:							
Dry pipe indicate	valve strainers, filters a greater frequency is	5 TENDERSON PRO-PROPRIES.			d interr			inless tests	_
		en completed within t	ne last toul	(4) year	5?		Yes	No	_N/A
If No, wa	hat year was the insp s the internal inspect No Answers / Comme	ion done during this a	nnual insp	ection?			Yes	No	N/A
•		(							



Protecti	Protection, Prevention, Performance,									
Autom	Automatic Sprinkler Systems 6 of 9									
	Annual Inspection & Tests									
Date:	Date: Nov 17 2015 Location: Building "B" North Track 1-12									
Preaction	n / Deluge	System			This sec	tion is Not Appli	cable: X			
Does val	ve appear	to be free of phy	sical damage?			Yes	No N/A			
All trim v	alves are i	n the appropriate	open or closed pos	sition?		Yes	No N/A			
The valv	e seat is no	ot leaking?				Yes	No N/A			
The elec	trical comp	onents are in se	rvice?			Yes	No N/A			
Size	Make	Model	Serial #	q	Strike Through	What Does Not	Apply			
				Deluge	Preaction	Closed Nozzles	Open Nozzles			
Supervi	sed Preac	tion Low-Air-Pre	essure Alarm							
Is the pre	eaction sys	tem equipped wi	th a low-air-pressur	e alarm?		Yes	No N/A			
If Yes, close the water supply valve and carefully open drain test valve to reduce air pressure slowly.  Confirm operation of low pressure alarm, record air pressure of low pressure alarm activation. Close drain test valve, allow air pressure to rise to normal, then open water supply valve.  Preaction / Deluge System Trip Test Table (13.4.3.2.2.2)  This section is Not Applicable:  The preaction / deluge valve shall be trip tested annually as per the manufacturer's instructions. Where the nature is such that water discharge cannot occur unless protected equipment is shutdown, a full flow test shall be conducted at the next scheduled shutdown. In all cases the test frequency shall not exceed 3 years. Preaction or deluge valves protecting freezers shall be trip tested in a manner that does not introduce moisture into the piping in the freezer.										
Water	1710/15/00/00	Trip Point	Number of detect		Brief de	scription of valve	operation			
PSI	PSI	Air PSI	to trip Preaction	n system						
Were all For delu Air supp Automat Was the	Did the valve and alarm operate properly?  Were all manual actuation devices operated?  For deluge systems did the water discharge pattern appear to be satisfactory?  Air supply appears to be adequate?  Automatic air pressure maintenance device appears to operate properly?  Was the preaction valve filled with priming water after it was trip tested and reset?  Yes No N/A  N/A  N/A									
Explain	No Answer	s / Comments:								
Interior of without r complete The valu	cleaning and removal of sed annually re requires re can be re	d parts replacement the faceplate. If a continuous internal resetting the continuous testing the continuous three continuous in the continuous internal continuous int	enance (Section 13 nent or repair shall the valve cannot be go thus the inspection us has the inspection	pe permitted of reset extern in is done dure on been done	every five (5) yea ally the cleaning, ing this inspectio	replacement or re n? Yes	can be reset epair shall be			
			e inspection comple		1 41	Yes	No N/A			
			ne during this annu	al inspection	?	Yes	No N/A			
Explain	No Answer	s / Comments:								





### Automatic Sprinkler Systems

7 of 9

1		IIMA	inispection		~ I	OO L							
Date: Nov 17 2015	Loc	ation: _	Bu	ilding	g "B"	North '	Trac	k 1-1	2				_
Control Valves										1157	1 1 1		
Are all control valves identifie	d?							<b>K</b> Ye	s	No		N/A	
Are all control valves locked,	sealed or	equippe	ed with a supervisory sv	witch?	?		2	<b>K</b> Ye	s	No		N/A	
Are all control valves in the no	ormal ope	en or clos	sed postion?				2	<b>K</b> Ye	s	No		N/A	
Are all control valves free fror	n externa	I leaks?					2	<b>K</b> Ye	s	No		N/A	
During this inspection was ea	ch contro	l valve o	perated through its full	rang	e?		12	<b>K</b> Ye	s	No		N/A	
If applicable post indicator va	ves were	opened	until spring tension wa	s felt	?			Ye	s	No	Х	N/A	
If applicable post indicator & (	OS&Y va	ves were	e backed 1/4 turn from	fully	open	position	? _ 2	<b>K</b> Ye	s	No		N/A	
Control Valve Table													
Control Valve Function	# of Valves	Size	Type of Valve		Ope	en		Secu	red		Si	gns	
System control valve	1	6"	OS+Y	Х	Y	N	X	Y	N	X	Y		N
					Υ	N		Y	N		Y		N
					Υ	N		Y	N	-	Y		N
					Υ	N		Υ	N		Y		N
					Υ	N		Υ	N		Y		Ν
					Υ	N		Υ	N		Y		N
					Υ	N		Υ	N		Y		N
				1.0	Υ	N	1	Y	N		Y		N
					Υ	N	-	Y	N		Y		N
					Υ	N		Υ	N		Y		N
Backflow Prevention Assen All backflow preventers instal following: (1) A forward flow test shall b inside hose stations are locat (2) A backflow performance to of the forward flow test. For backflow preventers size the test outlet is of a size to fl Where connections do not pe	ed in fire e conducted downs est, as re d 2" and to ow the sy	protection ted at the stream of quired by under a fastern de	on system piping shall be system demand, included the backflow preventer by the authority having justice orward flow test is accommand.	be tes uding er. urisdi eptab	hose ction,	stream shall be	in a den	nand,	lance w where ed at the neasurin	ith th hydr e con	ants mple	or etion	€
Connections do exist to perm A forward flow test was conducted flow test results of the forward flow test results of the forward flow test results of the connections are available. Was there a way of measuring What flow rate was measured was the backflow preventer to	ucted at to met the so e was a fog the ma diduring to	he syster ystem de low test ximum fl he maxir	m demand, including hemand, including hose conducted at maximunow rate?	strea	m? rate	possible	e?	Ye Ye Ye Ye Ye	es	No No No No No		N/A N/A N/A N/A N/A	



### Automatic Sprinkler Systems

8 of 9

Date:	Nov 17 2015	Location:	Building "B" North Track 1-12
An inconnections of the connection of the connec	ection at the end of one matering for the presence of the pres	nch line conditions ain and by removing ain and by removing are and attention of piping been tigation completed in investigation condition results appears and their flushing investing and are and attention results appears and are also ar	n conducted within the last four (4) years? Yes X No N/A
The s	Internal Inspection of a Gauges are older then All system control valve Fire department conne	eficiencies that should be identified by the second of the	ntified and "keep open" signs should be installed.
D19 D20	1217		
D21			
D22 D23			Confidence on an exercise of the Confidence of t
520	10882	(Use back	of page if further room is needed)



### Automatic Sprinkler Systems

9 of 9

Date:		Nov 17 2015	Location:	Building "B" North Track 1-12				
We re	ecomr re pro	vided for information of	sed on this annual inspec only. Corrections of these	tion and test. These recommendations are not deficiencies e recommendations are dependent on the owner or authority				
R2.	Low	pressure switch sho	ould be installed to prev	vent false alarms.				
R3.			d out to better handle d					
R4.								
R5.								
R6.								
R7.								
R8. R9.								
Na.			(Use back of page	if further room is needed)				
Gene			100 to					
			here with respect to the b	ouilding (monitoring company, special codes, keys				
		nfined space, etc.)  onitored by Protelec	204.040.1415					
Oyste	iii iiic	intoled by Plotelec	204-343-1413.					
			-					
<u> </u>								
This is wheth failure and co	mportant Note: This is an operational test inspection. It does not include a review or analysis of the system design to determine whether or not the system meets current code or standards. BDR Services Ltd. is not responsible for any equipment failure, and any subsequent damage or loss consequential or direct. BDR Services Ltd. is merely verifying operation and condition of equipment at actual time of testing. Owner is responsible for system installation, maintenance and confirmation that system installation requirements are met any time there are alterations, additions, renovations and change of occupancy.							
Insped	ctor:	Bart Dlugosz		Inspection Date: Nov 17 2015				
Licen	ce SP	WFD #: <b>223/792</b>		Owner Representative:				
Signa	ture:	Banco		Signature:				





Automatic Sprinkler Systems

1 of 9

# **Annual Inspection & Tests**

As per NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, 2008 Edition

Water-Based Fire Protection Systems, 2008 Edition							
Date:	Nov 17 2015	Inspector:	Bart Dlugosz	Inspector SP/W	FD#: <b>223/792</b>		
Property Name:	100 March 100 Ma	Transit Fort Roug		_			
Tenant Name:	Building "E	3"					
Address:	421 Osborr	ne Street					
City:	Winnip	eg Provinc	ce: MB	Postal Postal	Code:		
Contact:	Alex Veche	rya		Phone :			
General							
Building		Building "B" Track	k 13-24 North				
System Designa	ation	Track 13-24 North					
Location of sprin	nkler valve	East Center Sprin	kler room				
Type of sprinkle	r system	X Wet	Dry	Deluge	Preaction		
Is the building o	ccupied?				X Yes No N/A		
Is the system in	service?			L	X Yes No N/A		
The valve heade	er room(s) ap	pears to be adequat	ely heated?	2 1	X Yes No N/A		
The valve heade	er room(s) ha	ve a low-temperatur	e alarm?	Į.	Yes No X N/A		
Is it known that t	the system(s)	) is hydraulically calc	ulated?	Ļ	Yes X No N/A		
		n sign provided at va		L	Yes No X N/A		
Is there a minim deflector?	um of 18"clea	arance between stor	age/obstructions and the	e sprinkler	X Yes No N/A		
Do all exterior o	penings appe	ear to be protected fr	om freezing?	[	X Yes No N/A		
If a hand hose is	s part of the s	sprinkler system does	s it appear to be in good	condition?	X Yes No N/A		
Confirm that the inspection?	building has	not undergone any a	alterations/additions sind	ce the last	X Yes No N/A		
Explain No Ansv	wers / Comm	ents: System ap	opears to be pipe sche	dule system.			
W-4 C !							
Water Supply  Do reservoirs, ta	anks or press	sure tanks appear to	be in good condition?	Г	Yes No X N/A		
			etc. are not covered und	L ler this inspection.)			
		t covered under this					
Is fire pump		Diesel	Electric	Gasoline	X None		
When was pum	p last inspect	ed?					
Does pump app				ſ	Yes No X N/A		
Explain No Ansv							



2 of 9

# Automatic Sprinkler Systems Annual Inspection & Tests Determine New 47 2045

Date: Nov 17 2015 Location: Building "B" Track 13-24	North		
Fire Department Connections (Section 13.7)  This section is	Not Appli	cable:	
FDC Location: S.E corner of building "B"	- 111		
Are identification signs provided and in place?	Yes	X No	N/A
The connections are visible and accessible?	X Yes	No	N/A
Couplings or swivels are not damaged and rotate smoothly?	X Yes	No	N/A
Plugs or caps are in place and undamaged?	X Yes	No	N/A
Gaskets are in place and in good condition?	X Yes	No	N/A
The check valve is not leaking?	Yes	No	X N/A
The automatic drain valve is in place and appears to be working and in good condition?	Yes	No	X N/A
The connection clapper(s) is in place and appears to be operating properly?	X Yes	No	N/A
Explain No Answers / Comments: Located on the street. There is a valve pit near F	DC and wa	as not	-1
inspected during this inspection. Fire department connection feeds building "B" eas	stside.		ad.
General Condition, Inspected From Floor Level (Section 5.2)  This section is	Not Appli	cable:	
Sprinkler heads appear to be in good condition? (Not corroded, loaded, painted, damaged)	X Yes	No	N/A
Piping appears to be in good condition? (Not damaged, leaking, corroded, bent)	X Yes	No	N/A
Hangers or Braces appear to be in good condition? (Not damaged, loose, rusted, missing)	X Yes	No	N/A
Devices, valves and gauges appear to be in good condition?	X Yes	No	N/A
Is stock of spare sprinklers available along with appropriate sprinkler wrench(s)?	X Yes	No	N/A
Explain No Answers / Comments:	77 77 0 1	6.25% = 2	
		<u></u>	
Sprinkler Testing (Section 5.3) This section is	Not Appli	cable:	
All sprinklers installed have been manufactured after 1920?	X Yes	No	N/A
Standard response sprinklers are less than fity (50) years old?	X Yes	No	N/A
Fast response sprinklers are less than twenty (20) years old?	Yes	No	X N/A
Extra high (325 °F or higher) sprinklers have been tested at five (5) year intervals?	Yes	No	X N/A
Dry sprinklers are less than ten (10) years old?	Yes	No	X N/A
(Sprinklers that do not meet the above criteria are required to be replaced or representative	e samples	from one o	r
more sample areas shall be tested. Test procedures shall be repeated at various intervals	as stated	in NFPA 2	5)
Explain No Answers / Comments:	- Ken-		
		-	



Automatic Sprinkler Systems 3 of 9									
Annual Inspection & Tests									
Date:	Nov 17 201	5 L	ocation:	Building "B"	Track 13-24 No	orth			
Gauges	(Section 5.3.2	2)		Th	is section is No	ot Applicable	e:		
				sted every five (5) years by o			gauge.		
•				he full scale shall be recalib	rated or replace				
_	Gauges are less than five (5) years old?  Yes X No N/A								
The second				gauge and are within three (	3) percent?	Yes	No X N/A		
	•		this annual insp			Yes X	No N/A		
Explain N	lo Answers / C	comments:	Gauges dat	ed 2009 (x2) Should be rep	olaced.				
Main Dra	in Test (Sect	ion 13 2 5)		Th	is section is No	ot Applicable	. 🗆		
			oply pressure lo		is section is in	This Yea			
		The second secon	sure with no flow		Static PSI Before	25.000000000000000000000000000000000000			
				e. Record the pressure.	Residual PSI	69			
				after gauge has stabilized.	Static PSI After	70			
What dat	e was the last	main drain to	est done?	Size o	f the Main Drain?	2"			
Explain N	lo Answers / C	Comments:	Drain does	not handle test. Check val	ve on drain cu	p does not h	old.		
Wet Syst	tem (Section	13.4)		Th	is section is No	ot Applicable	e:		
The gaug	jes indicate no	ormal water p	ressure is being	g maintained?	)	Yes	No N/A		
Does ala	rm valve appe	ar to be free	of physical dam	nage?	<u> </u>	Yes	No N/A		
		2.0	open or closed	d position?	)	Yes	No N/A		
	n drains are n	N 177 AND			)	Yes	No N/A		
			end anti-freeze s			Yes X	No N/A		
			at freezing poin		_				
			ppears to be sa	tisfactory?	<u> </u>	Yes	No X N/A		
Explain N	lo Answers / C	comments:							
Wet Svst	em Test Tabl	le for Wet Al	larm Valve	Th	is section is No	of Applicable	e: 🔲		
Size	Make	Model	Serial #		on of Inspector		<u> </u>		
6"	Grinnell	Α	N/A		Bay 24 North				
(Ensure a	alarm compan	y is notified to	o avoid false ala	arms.)	Static PSI	Alarm Time	Residual PSI		
Test alarr	Test alarm valve water flow alarm switch by opening inspector's test valve. 120 psi 1m17s 70 psi								
Wet Syst	em Low-Wat	er-Pressure	Switch						
Wet System Low-Water-Pressure Switch  Is the wet system equipped with a low-water-pressure switch?  Yes X No N/A									
If Yes, open drain test valve to reduce water pressure slowly. Confirm operation of low pressure switch, record water									
pressure at which low pressure switch activated. Close drain test and pump system up to normal pressure									
and restore to service. Record pressure. PSI									
Explain N	o Answers / C	comments:	System Doe	es not have a Low Pressur	e switch. One	should be in	stalled.		



#### Automatic Sprinkler Systems 4 of 9 **Annual Inspection & Tests** Date: Nov 17 2015 Building "B" Track 13-24 North Location: Wet System Inspection (Section 13.4.1.2) This section is Not Applicable: Alarm valves and their associated strainers, filters, and restriction orfices shall be inspected internally every five (5) years unless tests indicate a greater frequency is necessary. Has the internal inspection been completed within the last four (4) years? X No If Yes, what year was the inspection completed? If No, was the internal inspection done during this annual inspection? N/A Explain No Answers / Comments: Unknown when last wet system inspection was and should be done. Wet System Vane Type Flow Alarms Х This section is Not Applicable: Test water-flow alarm by opening inspector's test and record time that alarm registers. Location of Inspectors Test Flow Switch Zone Designation Static PSI Alarm Time Residual PSI North Main Incoming 32s Dry Pipe System (Section 13.4.4) X This section is Not Applicable: Yes No N/A Does valve appear to be free of physical damage? All trim valves are in the appropriate open or closed position? No N/A Yes The intermediate chamber is not leaking? No N/A Yes A tag or card with the last trip date and who conducted the test is attached to the valve? N/A No Size Make Model Serial # Location of Inspectors Test Explain No Answers / Comments:



17 deciron. 1 revention. 1 enormance.								
Automatic Sprinkler Systems 5 of 9								
Annual Inspection & Tests								
Date: Nov 17 2015 Location:	Build	ling "E	3" Track 13-2	24 North				
Dry System Low-Air-Pressure Switch								
Is the dry system equipped with a low-air-pressure switch?				Yes	1	No X	N/A	
If Yes, close the water supply valve isolate quick opening device if one is present and carefully open drain test valve to reduce air pressure slowly. (Do not reduce air pressure sufficiently to trip the dry pipe valve.) Confirm operation of low pressure switch, record air pressure at which low pressure switch activated. Close drain test valve, allow air pressure to rise to normal, then slowly open quick opening device and water supply valve.  Record pressure.  PSI Explain No Answers / Comments:								
			T ball	1				
Dry Pipe System Trip Test Table  Every three (3) years and whenever the system is altered, the dry pipe valve shall be trip tested with the control valve fully open and the quick-opening device, if provided in service. During the years when full flow testing is not required, the dry pipe valve shall be trip tested with the control valve partially open.  Has the dry pipe valve been tripped with the control valve fully open in the last two								
(2) years. If yes, what year was the fully open trip test conduct				Yes		No	N/A	
If No, is the fully open trip test being conducted during this an		ection	}	Yes	r	No	N/A	
Normal air pressure as per the Manufacturers recommendati	on						PSI	
Trip test the dry pipe valve. Record the time from opening the inspectors test valve until the dry pipe valve trips.	Water PSI	Air PSI	Time to Trip	Trip Poin Air PSI		ime Wat		
Did the valve and alarm operate properly?		L		Yes		No l	N/A	
Dry pipe valve interior appears clean and satisfactory?				Yes		No -	N/A	
Quick-opening device operated properly?  Is a sign provided at the dry pipe valve indicating the number of auxiliary drains and location of each auxiliary drain?  Yes No N/A								
Were all identified auxiliary drains drained during this inspect		Yes		No	N/A			
Air supply appears to be adequate?				Yes		No	N/A	
Automatic air pressure maintenance device appears to opera	te properl	ly?		Yes		No	N/A	
Was the dry pipe valve filled with priming water after it was tri	p tested a	and res	et?	Yes	N	No	N/A	
Explain No Answers / Comments:								
Dry Pipe System Inspection (Section 13.4.4.1.6)  This section is Not Applicable:  X  Dry pipe valve strainers, filters, and restriction orfices shall be inspected internally every five (5) years unless tests indicate a greater frequency is necessary.								
Has the internal inspection been completed within the last four (4) years?  Yes No N/A								
If Yes, what year was the inspection completed?								
f No, was the internal inspection done during this annual inspection?  Explain No Answers / Comments:  YesNoN/A								



Automatic Sprinkler Systems 6 of 9									
Annual Inspection & Tests									
Date: _	Nov 17	2015L	ocation:	Bu	ilding "B" Tra	ck 13-24 North	<u> 11 Santa</u>		
Preactio	n / Deluge	System			This s	ection is Not Applica	able: X		
Does val	Does valve appear to be free of physical damage?								
All trim va	alves are i	n the appropriate	e open or closed pos	sition?		Yes	No N/A		
		ot leaking?				Yes	No N/A		
The elect	trical comp	onents are in se	ervice?			Yes	No N/A		
Size	Make	Model	Serial #			gh What Does Not A			
				Deluge	Preaction	Closed Nozzles	Open Nozzles		
		ion Low-Air-Pr							
Is the pre	action sys	tem equipped w	ith a low-air-pressur	e alarm?		Yes	No N/A		
			and carefully open						
			alarm, record air pre to normal, then ope			activation. Close dra	ain PSI		
					harists on schools to				
			Test Table (13.4.3.2			ection is Not Applica	able: X		
						instructions. Where shutdown, a full flow	1.00		
test shall	be conduc	ted at the next	scheduled shutdown	. In all cases	s the test freque	ency shall not exceed			
			protecting freezers s	hall be trip te	sted in a mann	er that does not			
introduce	moisture	into the piping in	• 007		pied die and ta	Made on one	PSI		
Water	Air	Trip Point	Number of detector		Brief d	escription of valve	operation		
PSI	PSI	Air PSI	to trip Preactio	n system	-				
					11 542 1	78.			
		larm operate pro	.a .a.			Yes	No N/A		
		tuation devices	. And the second			Yes	No N/A		
			ischarge pattern app	pear to be sa	istactory?	Yes	No N/A		
		to be adequate?			- 1.0	Yes	No N/A		
			e device appears to			Yes	No N/A		
Was the preaction valve filled with priming water after it was trip tested and reset?  Yes No N/A									
Explain No Answers / Comments:									
Preaction / Deluge System Maintenance (Section 13.4.3.1.7.1)  This section is Not Applicable:									
Interior cleaning and parts replacement or repair shall be permitted every five (5) years for valves that can be reset									
without removal of the faceplate. If the valve cannot be reset externally the cleaning, replacement or repair shall be completed annually.									
The valve requires internal resetting, thus the inspection is done during this inspection?  Yes No N/A									
The valve can be reset externally thus has the inspection been done within the last four									
	(4) years? If Yes, what year was the inspection completed?								
If No, wa	f No, was the internal inspection done during this annual inspection?  Yes No N/A								
Explain No Answers / Comments:									



No

N/A

Protection, Prevention, Performance, 7 of 9 Automatic Sprinkler Systems **Annual Inspection & Tests** Building "B" Track 13-24 North Nov 17 2015 Location: Date: Control Valves N/A X No Yes Are all control valves identified? N/A No Are all control valves locked, sealed or equipped with a supervisory switch? X Yes X Yes No N/A Are all control valves in the normal open or closed postion? N/A No Х Yes Are all control valves free from external leaks? No N/A X Yes During this inspection was each control valve operated through its full range? N/A Yes No X If applicable post indicator valves were opened until spring tension was felt? If applicable post indicator & OS&Y valves were backed 1/4 turn from fully open position? N/A Yes Control Valve Table # of Secured Signs **Control Valve Function** Valves Size Type of Valve Open X N 6" OS+Y Ν Υ N Y X System control valve X Y G.O.B X Ν Υ Х N 8" Y N X Y 1 Main Incoming North X G.O.B X Y X Υ N Y N Hydrant Iso Y N Y N Y N Y N Y N Y N N N Y Y N Υ Y Υ N Y N N N Y N N Y Υ Y N N Υ N Y N Backflow Prevention Assemblies (Section 13.6) This section is Not Applicable: All backflow preventers installed in fire protection system piping shall be tested annually in accordance with the following: (1) A forward flow test shall be conducted at the system demand, including hose stream demand, where hydrants or inside hose stations are located downstream of the backflow preventer. (2) A backflow performance test, as required by the authority having jurisdiction, shall be conducted at the completion of the forward flow test. For backflow preventers sized 2" and under a forward flow test is acceptable to conduct without measuring flow, where the test outlet is of a size to flow the system demand. Where connections do not permit a full flow test, test shall be completed at the maximum flow rate possible. N/A Yes No Connections do exist to permit a full forward flow test? N/A Yes No A forward flow test was conducted at the system demand, including hose stream? Yes No N/A The forward flow test results met the system demand, including hose stream? N/A Yes No If no connections are available was a flow test conducted at maximum flow rate possible? N/A Yes Was there a way of measuring the maximum flow rate? What flow rate was measured during the maximum flow rate?

Was the backflow preventer tested with a separate report to check for no backflow?



### Automatic Sprinkler Systems

8 of 9

Date:	Nov 17 2015	Location:	Building "B" Track 13-24 North
An inscended inspections of the second of th	ection at the end of one cting for the presence of isual obstruction invest, what year was the invest was the visual obstruction invest isual obstruction invest on this years results at No Answers / Comm	ranch line conditions main and by removing foreign organic and igation of piping been estigation completed ion investigation configation results appear further flushing investigation i	n conducted within the last four (4) years? Yes X No N/A
- 5		1 11 1	
Defici	encies (As per NFPA	25 - 2008)	
if corre	ections should be made	e. D1. Obstruction	ould be reviewed with the authority having jurisdiction to determine on investigation of piping should be done every 5 years.
	Gauges are older the		omponents should be done every 5 years.
			ntified and "keep open" signs should be installed.
			e a identification sign.
D6	The department com	lection should have	e a identification sign.
D7			
D8			
D9			
D10			
D11	11,200		
D12			
D13		11 10 10 10	
D14			
D15			A THE DECEMBER AND A SERVICE OF THE
D16			
D17			
D18			
D19			
D20			to be the first to a Broad and a superior of the superior of t
D21			
D22			
D23			PREPARE THE PROPERTY OF STREET
		(Use back	of page if further room is needed)
		,000 20011	F-3



#### Automatic Sprinkler Systems

9 of 9

Date:	Nov 17	2015	Location:		Building "B" Track 13-24 North
We re		ne following or informati	on only. Correction	s of these	tion and test. These recommendations are not deficiencies e recommendations are dependent on the owner or authority
R2.	Low pressu	re switch	should be installed	d to preve	ent false alarms.
R3.			ned out to better h		
R4.					
R5.					
R6.					
R7.					
R8.					
R9.			/Llse had	of page	if further room is needed)
Gene	ral Notes		(Ose back	t or page	in future room is needed)
Reco	rd any pertine	nt informat	ion here with respec	ct to the b	uilding (monitoring company, special codes, keys
	s, confined s				
Syste	m monitore	d by Protel	lec 204-949-1415.		
This is wheth failure and co	er or not the e, and any sub ondition of eq	system me osequent da juipment at ystem insta	ets current code or amage or loss cons actual time of testir	standards equential ng. Owne	review or analysis of the system design to determine s. BDR Services Ltd. is not responsible for any equipment or direct. BDR Services Ltd. is merely verifying operation or is responsible for system installation, maintenance and any time there are alterations, additions, renovations and
Insped	ctor: Bart D	lugosz		<u></u>	Inspection Date: Nov 17 2015
Licenc	e SP/WFD#	223/79	92		Owner Representative:
Signat	ture: Ba	and			Signature: