ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: August 9th, 2016

Building Name: Wallaceburg Board Office

Address: 420 Creek St. Wallaceburg

Security/Fire Alarm Panel [Make / Model]: Notifier AFP 200C

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm Systems		√	
E	The fire alarm system documentation is on site and includes a description of the system		√	
F	The fire alarm system is fully functional		√	
G	The fire alarm system has deficiencies noted on the attached pages	√		
H	Comments: **All devices now in good working order, however, Vipond to change the location descriptions as the room #'s have been changed. Once complete a letter from Vipond verifying this has been completed & tested should be forwarded and added to this file.**			
I	A copy of this report has been given to: Paul Lernout Who is the; Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Kevin Bury

CFAA #: 19-995199

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

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CANADIAN FIRE ALARM ASSOCIATION

FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates	√		
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre			√
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

Pass RC ADMIN	Name	DAMAR
System #: 883 344	Phone Number	(519) 336-7111

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: F2 Version:			
Record the date, revision and version of the program software:			√
Date: Revision: A Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Main Entrance and above ceiling tile
Control unit or transponder identification	Notifier

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Main Entrance (Above Ceiling Tile)
Circuit breaker or disconnect means location	Electrical Room 126

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		FACP- NP7-12T	BPS- SLA12-7
Battery manufacturer's date code or ins service date	Date	2013	2015
Battery Voltage (main power supply 'ON') is	Voltage	27.71	24.30
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	26.39	N/A
	Current (A)	0.201	N/A
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.19	N/A
	Current (A)	0.274	N/A
The charging current is	Current (mA)	809	N/A

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Reco	AH	12	7
Record the battery terminal voltage after tests are completed.	VDC	27.01	N/A

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): Main 4.97 Booster N/A

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory input zone clearly indicated and separately designated			√
Individual alarm and supervisory input zone designation labels are properly identified			√
Common trouble signal operates			√
Visual indicator test (lamp test) operates			√
Displays are visible in the installed location			√
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements			√
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power			√

Annunciator or remote trouble signal unit location	N/A
Annunciator or remote trouble signal unit identification	N/A

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	N/A
Annunciator or sequential display identification	N/A

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√

Remote trouble signal unit locations	N/A
Remote trouble signal unit identification	N/A

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√

Printer Location	N/A
Printer Identification	N/A

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)	√		
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or	√		
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√

Control Unit or Transponder Location	Main Entrance
Control Unit or Transponder Identification	Notifier
Data Communication link identification	Addressable Loop

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm, Trouble)	√		
Card Reader Lockout	√		

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 9th, 2016

Building Name: Wallaceburg Board Office Address: 420 Creek Street, Wallaceburg

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Main Entrance E	H/S	√		√					
Main Entrance W	H/S	√		√					
Room 102	H/S	√		√					
Room 102	H/S	√		√					
Room 102	H/S	√		√					
Room 100	H/S	√		√					
Room 100	H/S	√		√					
By Room 132	H/S	√		√					High
By Room 117 Copy Room	H/S	√		√					
By Room 118	H/S	√		√					
By Room 113	H/S	√		√					
By 118	H/S	√		√					
By 112	H/S	√		√					
By 108	H/S	√		√					
By Room 226	H/S	√		√					EOL
Cubicle Area W	H/S	√		√					
By Room 218	H/S	√		√					
By Room 209	H/S	√		√					
By Room 210	H/S	√		√					
Cubicle Area E	H/S	√		√					
By Room 204	H/S	√		√					
Mechanical Room 205A	H/S	√		√					
Elevator Room 228	H/S	√		√					
By 218	EOL		X						*See Repairs List*
By 210	EOL		X						*See Repairs List*

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
SDX-511A	*0.35-1.19 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 9th, 2016

Building Name: Wallaceburg Board Office Address: 420 Creek Street, Wallaceburg

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
1st Floor West Exit	M	√		√		M02			
1st Floor East Exit	M	√		√		M08			
1st Floor Reception	M	√		√		M10			
1st Floor South Exit	M	√		√		M21			
2nd Floor North Stair	M	√		√		M31			
2nd Floor South Stair	M	√		√		M49			
Photocopy Room 111	RHT	√	X	√		D05			High ↓
Room 102 Kitchen	RHT	√	X	√		D06			
Room 103 Storage	RHT	√	X	√		D07			
Room 137 Coat Room	RHT	√	X	√		D13			
Room 135 Files Room N	RHT	√	X	√		D14			
Room 135 Files Room S	RHT	√	X	√		D15			
Room 136 East	RHT	√	X	√		D16			
Room 136 Southwest	RHT	√	X	√		D17			
1st Supply Duct West	DS	√	X	√		D18			*See Comments on Repairs List*
Room 136 Northwest	RHT	√	X	√		D19			
Room 128 N	S	√	X	√		D20		1.02	
Room 131	RHT	√	X	√		D23			
Room 123	RHT	√	X	√		D24			
Room 127	S	√	X	√		D25		1.03	
1st Floor South Storage	RHT	√	X	√		D26			
North Stair	S	√	X	√		D33		1.09	
Elevator Shaft	RHT		X			D34			*See Repairs List*

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
SDX-511A	*0.35-1.19 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 9th, 2016

Building Name: Wallaceburg Board Office Address: 420 Creek Street, Wallaceburg

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Room 201 East	RHT	√	X	√		D35			
Room 201 West	RHT	√	X	√		D36			
Room 206	RHT	√	X	√		D37			
2nd Supply Duct Northeast	DS	√		√		D38			
2nd Supply Duct Northwest	DS	√		√		D39			
Plant Storage Room	RHT	√	X	√		D40			
Room 221	RHT	√	X	√		D41			
1st Supply Duct East	DS	√		√		D42			
Room 215 West	RHT	√	X	√		D43			
Room 215 East	RHT	√	X	√		D44			
Room 215 South	RHT	√	X	√		D45			
2nd Supply Duct SW	DS	√		√		D46			
2nd Supply Duct SE	DS	√		√		D47			
Room 217	RHT	√	X	√		D48			
South Stair	S	√	X	√		D51			
By Fire Panel	ISO								Ok
By Fire Panel	ISO								Ok
By Fire Panel	ISO								Ok
Double Doors to Cubicles	Relay	√		√		M12	Activation of this relay locks out access on FOB Reader		

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
SDX-511A	*0.35-1.19 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING
INDIVIDUAL DEVICE RECORD

Date: August 9th, 2016

Building Name: Wallaceburg Board Office Address: 420 Creek Street, Wallaceburg

LOCATION	MODEL #	BATTERY	#	A	B	C	D	REMARKS
2nd Floor								
Top Of North Stair	RG 36	PA-6V7.2 (08)	4	6.79	12:31	251	X	*See Repairs List*
Exit From Stair	RG 36 LER	PA-6V7.2 (08)	2	7.12	12:35	253	X	*See Repairs List*
By Elevator	RG 36 LER	PA-6V7.2 (09)	2	6.89	12:30	264	X	*See Repairs List*
End Of Northwest Hall	RG 36 LER	PA-6V7.2 (12)	4	6.87	12:32	301		
Southwest By Meeting Room	RG 36 LER	PA-6V7.2 (12)	2	7.01	12:33	269		
By South Stair	RG 36 LER	PA-6V7.2 (13)	2	7.12	12:27	252		
Top Of South Stair	RG 36	PA-6V12 (12)	4	6.98	12:26	291		
End Of South East Hall	RG 36 LER	PA-6V7.2 (09)	4	6.87	12:28	253	X	*See Repairs List*
Northeast Hall	RG 36 LER	PA-6V7.2 (11)	4	7.01	12:29	291		
1st Floor								
Front Entrance	RG 36 LER	PA-6V7.2 (14)	2	7.10	12:16	276		
Mail Room	SLC12 250	PA-12V32 (15)	2	13.97	12:12	283		
Board Room East	RG 36 LER	PA-6V7.2 (14)	2	6.89	12:14	294		
Entrance to Parking Lot	RG 36 LER	PA-6V7.2 (09)	2	6.87	12:16	256	X	*See Repairs List*
Centre Doors To Lobby	RG 36 LER	PA-6V7.2 (11)	4	7.01	12:17	293		
By Coatroom	RG 36 LER	PA-6V7.2 (09)	2	6.87	12:18	286		
Northwest Corner	RG 36 LER	PA-6V7.2 (08)	4	6.92	12:19	287	X	*See Repairs List*
Southwest Corner	RG 36 LER	PA-6V7.2 (11)	2	6.84	12:20	254		
By South Stair	RG 36 LER	PA-6V7.2 (10)	2	6.83	12:21	261		
South Exit	RG 36 LER	PA-6V7.2 (12)	2	6.89	12:22	271	X	*See Repairs List*
Back of Computer Room	RG 36	PA-6V7.2 (12)	3	6.78	12:50	283		
Southeast Corner Hall	RG 36 LER	PA-6V7.2 (12)	4	6.97	12:23	286		
Northeast Corner Hall	RG 36 LER	PA-6V7.2 (11)	2	6.89	12:24	239	X	*See Repairs List*

Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

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FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
	Vipond to reprogram the device locations as the facility has changed their room #'s during construction. To be completed. All devices have been tested and are in good working order.			
	Booster Power supply not supervised, upon arrival we found the BPS in trouble as the charger had failed .			
	Vipond has now corrected, checked by AEI October 12th, 2016.			
	Emergency Lighting			
1	Top Of North Stair	RG 36	Replaced battery w/(1) Panasonic LCR067R2P	08/31/2016
2	Exit From Stair	RG 36 LER	Replaced battery w/(1) Panasonic LCR067R2P	08/31/2016
3	By Elevator	RG 36 LER	Replaced battery w/(1) Panasonic LCR067R2P	08/31/2016
4	End Of South East Hall	RG 36 LER	Replaced battery w/(1) Panasonic LCR067R2P	08/31/2016
5	Entrance to Parking Lot	RG 36 LER	Replaced battery w/(1) Panasonic LCR067R2P	08/31/2016
6	Northwest Corner	RG 36 LER	Replaced battery w/(1) Panasonic LCR067R2P	08/31/2016
7	South Exit	RG 36 LER	Replaced battery w/(1) Panasonic LCR067R2P	08/31/2016
8	Northeast Corner Hall	RG 36 LER	Replaced battery w/(1) Panasonic LCR067R2P	08/31/2016

Additional Comments:

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: August 8th, 2016

Building Name: Christ the King

Address: 227 Thomas Ave, Wallaceburg

Security/Fire Alarm Panel [Make / Model]: Edwards EST 6604

		YES	NO	N/A
A	System provides single-stage operation			√
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm System			√
E	The fire alarm system documentation is on site and includes a description of the system			√
F	The fire alarm system is fully functional			√
G	The fire alarm system has deficiencies noted on the attached pages			√
H	Comments: **Building is under construction (wire demolition), therefore we could only complete the inspection of emergency lighting.**			
I	A copy of this report has been given to: Paul Lernout Who is the; Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Kevin Bury

CFAA #: 19-995199

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

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CANADIAN FIRE ALARM ASSOCIATION

FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator			√
Common visual trouble signal			√
Common audible trouble signal			√
Trouble signal silence switch			√
Main power supply failure trouble signal operates			√
Ground fault tested on positive and negative trouble signal			√
Alert signal operation			√
Alarm signal operation			√
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational			√
Alarm signal silence visual indication operates			√
Alarm signals, when silenced automatically reinitiate upon subsequent alarm			√
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures			√
Input circuit, alarm and supervisory operation, including audible and visual indication operates			√
Input circuit supervision fault causes a trouble indication			√
Output circuit alarm indicates operational			√
Output circuit supervision fault causes a trouble indication			√
Visual indicator test (lamp test)			√
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal			√
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures			√
Fire alarm system reset operation			√
Main power supply to emergency power supply transfer operates			√
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre			√
Receipt of the supervisory transmission to the fire signal receiving centre			√
Receipt of the trouble transmission to the fire signal receiving centre			√
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre			√
Record the name and telephone number of the fire signal receiving centre			√

	Name	DAMAR- 883325 Royal Hawks
	Phone Number	(519) 336-7111

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices			√
Output circuit designations correctly identified in relation to connected field devices			√
Correct designations for common control functions and indicators			√
Plug-in components and modules securely in place			√
Plug-in cables securely in place			√
Cleanliness and free of dust and dirt			√
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification			√
Control unit/transponder lock is functional			√
Termination points for wiring to field devices secure			√

Control unit or transponder location	Main Entrance
Control unit or transponder identification	EST

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system			√
Adequate to meet the requirements of the system			√

Control unit or transponder location	Main Entrance
Circuit breaker or disconnect means location	Room 120B

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer			√
Correct battery rating as determined by battery calculations based on full system load			√
Terminals cleaned and lubricated			√
Terminals clamped tightly			√
Batteries free from physical damage			√
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage			√
Adequately ventilated			√
Disconnection causes trouble signal			√
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed			√

Battery manufacturer and part number		(2) Enersys NP5-12
Battery manufacturer's date code or ins service date	Date	2010
Battery Voltage (main power supply 'ON') is	Voltage	N/A
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	N/A
	Current (A)	N/A
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	N/A
	Current (A)	N/A
The charging current is	Current (mA)	N/A

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.			√
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	N/A
Record the battery terminal voltage after tests are completed.	VDC	N/A

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): N/A

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory input zone clearly indicated and separately designated			√
Individual alarm and supervisory input zone designation labels are properly identified			√
Common trouble signal operates			√
Visual indicator test (lamp test) operates			√
Displays are visible in the installed location			√
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements			√
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power			√
Annunciator or remote trouble signal unit location			
Annunciator or remote trouble signal unit identification			

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√
Annunciator or sequential display locations			
Annunciator or sequential display identification			

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√

Remote trouble signal unit locations	N/A
Remote trouble signal unit identification	N/A

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√

Printer Location	N/A
Printer Identification	N/A

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√

Control Unit or Transponder Location	N/A
Control Unit or Transponder Identification	N/A
Data Communication link identification	N/A

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm & Trouble)			√
Door Holders			√

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 8th, 2016

Building Name: Christ the King Address: 227 Thomas Street, Wallaceburg

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS/REPAIRS
Stage	HT	Under Construction				4			High
NE Gym Ceiling	HT					4			High
NW Gym Ceiling	HT					4			High
SE Gym Ceiling	HT					4			High
SW Gym Ceiling	HT					4			High
Gym SE Exit	M					4			
Gym	H					S-1			
Boy's Change Room	RHT					4			
Girl's Change Room	RHT					4			
Gym Storage- 1	RHT					4			High
Gym Storage- 2	RHT					4			High
NW Exit	M					4			
Under Stage	HT					4			
Hall By Gym	S (C2M PDI)					4			
Exit By Gym	M					4			
Kitchen By Gym	RHT					4			
West Exit To Gym	M					1			EOL
Hall @ 108	B					S-1			
Hall West By Room 108	S (C2M PDI)					1			
Room 108	RHT (281C)					4			
Room 108	M					4			
Room 108	B					S-1			
Hall Centre By Room 106	S (C2M PDI)					1			
Room 106	RHT (281C)					4			
Room 106	B					S-1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

ANDERSON'S ELECTRONICS Inc.

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 8th, 2016

Building Name: Christ the King Address: 227 Thomas Street, Wallaceburg

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS/REPAIRS
Principal Room (100-A)	RHT	Under Construction				1			
Secretary Office (100)	RHT					1			
Front Entrance	M					1			
Room 104	S (C2M-PDI)					1			
Room 102	RHT (281C)					1			
Front Entrance	S (C2M-PDI)					1			
Storage By Front Door- (116)	RHT					1			
Library Entrance	S (C2M-PDI)					3			
Library Entrance	M					3			
Study Room # 118	RHT					3			
Library Storage	RHT					3			
Library Front	RHT					3			
Library	B					S-1			
Library Electrical (120B)	RHT					3			EOL
Library Back	RHT					3			High
Library Exit	M					3			
Hall By Library	B					S-1			
Staff Room # 122	RHT					1			
Slop Sink Room # 124	HT					1			
Hall by Room # 109	S (C2M-PDI)					1			
Furnace	HT					1			
Hall By Furnace	M					1			
Furnace Room	M					1			
Furnace Room Storage	HT					2			
100 A	B					S-1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 8th, 2016

Building Name: Christ the King Address: 227 Thomas Street, Wallaceburg

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS/REPAIRS
Room # 128	HT	Under Construction				2			
Room # 115	HT					2			
Room # 130	RHT					2			
Room # 117	RHT					2			
Hall By Locker 177	S (C2M-PDI)					2			
Hall By Locker 177	B					S-1			
Locker 106	S (C2M-PDI)					2			
Classroom Room 132	S (C2M-PDI)					2			
North Exit	M					2			EOL
North Storage Room 119	S (C2M-PDI)					2			
At Hall To Gym	DH	Under Construction							
At Hall To Gym	AUX Relay					S-1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING
INDIVIDUAL DEVICE RECORD

Date: August 8th, 2016

Building Name: Christ the Address: 227 Thomas Street, Wallaceburg

LOCATION	MODEL #	BATTERY	#RH	A	B	C	D	REMARKS
Hall By 117	RG 36	PA-6V7.2 (14)	2	6.87	11:30	.380		
Hall By Room 128	RG 36	PA-6V7.2 (12)	2	6.91	11:34	.398		
Library	RG 36	PA-6V7.2 (14)	2	7.01	11:36	.388		
By 102	Enerwatt	PA-6V12 (10)	2	N/A	11:37	.120	X	*See Repairs List*
Room 108	NV12100	(2) C-Cell 6V12 (11)	6	13.71	11:40	1.141		
Start of New Addition	CDL 36	PA-6V7.2 (12)	2	6.93	11:43	.294		
By 112	RG 12S 36	NP5-12 (10)	2	13.60	11:45	.463		
Exit By 105	RG 36 LE 450	PA-6V7.2 (12)	2	6.91	11:47	.293		
Gym Exit To Hall	RG 36 LE 450	PA-6V12 (12)	2	6.92	11:50	.346		
Women's Change Room	RG 12S 36	NP5-12 (10)	2	6.81	11:52	.360		
Men's Change Room	RG 12S 36	NP5-12 (11)	2	6.89	11:53	.300		
Gym SE Exit	RG 36 LE 450	PA6V7.2 AH (09)	2	N/A	11:50	.800	X	*See Repairs List*
Gym SW Wall	RG 36	(2) PA-6V4.5 (10)	2	13.61	11:50	.390		
Gym NW Exit	RG 36	PA-6V7.2 (10)	2	6.79	11:50	.298		
Gym- RightStage	RG 36	PA6V7.2 AH (09)	2	N/A	11:50	.100	X	*See Repairs List*
Gym- Left Stage	RG 36	Lumacell 6V7	2	7.00	11:50	.270		

Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

ANDERSON'S ELECTRONICS Inc.

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FIRE ALARM & EMERGENCY LIGHTING
REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm			
	Under Construction- To Be Tested By Others			
	Emergency Lighting			
1	By 102	Enerwatt	Replaced Battery w/ (1) Panasonic PA-6V12	08/05/2016
2	Gym SE Exit	RG 36 LE 450	Replaced Battery w/ (1) Panasonic PA-6V7.2	08/05/2016
3	Gym- RightStage	RG 36	Replaced Battery w/ (1) Panasonic PA-6V7.2	08/05/2016

Additional Comments:

Please note that we were unable to test the fire alarm system due to the building being under construction (wire demolition

A verification of the work preformed by Vince Ferro Construction LTD. will be required.

ANDERSON'S ELECTRONICS Inc.

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: August 8th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD

THIS DOCUMENT CERTIFIES THAT THE EMERGENCY LIGHTING AT THE FOLLOWING LOCATION:

CHRIST THE KING, 227 THOMAS AVENUE, WALLACEBURG

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Kevin Bury	CONFIRMED BY:	Jim Anderson
CFAA #:	19-991599		
FA. REP'S TECH:	Kevin Bury	DATED:	August 8th, 2016
CFAA #:	19-991599		

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
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Phone: (519) 657-2063
Fax: (519) 657-2696

TECHNICIANS PRE-TEST CHECKLIST

Date: *August 2nd, 2016*

Address: *Building Services Centre - 525 Baldoon Road, Chatham*

Alert the management of the building that the fire alarm system is being tested and that alternate measures under the Fire Safety Plan should be implemented.

Check that an alternative plan has been established to alert occupants and the local fire department should an actual fire condition occur during testing.

Check the Technicians' responsibilities, if any, under that alternative measures of the Fire Safety Plan.

If there is a remote connection to a central station or fire department take necessary steps to alert central station or fire department.

Do not use the Fire Department Emergency telephone number.

Contacted regarding testing: *a.) Fire Dispatch* [X] *b.) Security* [X]

Contact additional info: Damar Syst # 883343/ Pass RC Maintenance

WORK TO BE COMPLETED: *a.) Annual Inspection of the Interconnected Smoke Alarms* [X]

√ - YES	X - NO	N/A - NOT APPLICABLE
Tested Correctly	Did Not Test Correctly (See Remarks)	Function or Feature Not Provided On This Fire Alarm System

N/A	Are there ancillary functions that can impair building functions such as elevator capture, fan shutdown, door holders, etc.?
N/A	Can these be disabled and tested by groups?
√	Have building occupants been made aware of fire alarm testing?
√	Has a pre-determined time been established for testing signalling devices?
√	Have provisions been made for acquiring access to the secured areas of the building?
√	Are there spare reset and panel keys available?

TECHNICIANS AFTER-TEST CHECKLIST

N/A	Reconnect Ancillary Function (off-site connections)
√	Reconnect Ancillary Function
N/A	Reconnect Time Limit Cutouts
√	Reconnect Signal Power
√	Advise Building Management Work Completed
√	Advise Fire Dept. and/or Security Co. Work has been Completed
√	Ensure the Alarm System is Functional

DEFICIENCIES FOUND DURING INSPECTION	YES	NO	N/A
Fire/Smoke Alarm	√		
Emergency Lighting		√	
Fire Extinguishers			√
Sprinkler System			√
Other (Signage Etc.)			√
All Deficiencies Repaired: August 31st, 2016			

Technician #1

Name: Martin Archibald

CFAA #: 19-992091

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

CAN/ULC S536-04

SMOKE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 2nd, 2016

Building Name: Maintenance Warehouse Address: 525 Baldoon Road, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Library North	SA (12V)		X						*See Repairs List*
Library South	SA (12V)		X						*See Repairs List*
East Bay By Lunchroom	RHT	√		√					
Wash Bay	RHT	√		√					
Tractor Bay	RHT	√		√					
Wood Shop	RHT	√		√					

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: August 2nd, 2016

Building Name: Maintenance Warehouse Address: 525 Baldoon Road, Chatham

#	LOCATION	MODEL #	BATTERY	RH#	A	B	C	D	REMARKS
1	Wood Shop (West End)	12 MSL360	PA-1233 (10)	2	13.41	1:00			Panel D cct #36
2	Metal Shop @ Mezzanine	RG-36	PA-6V12 (14)	2	6.91	1:00			Panel A cct #24
3	Main Entrance	HXSW-36	PA-6V7.2 (09)	2	6.81	1:00			Panel C #29
4	Main Entrance	12 MSL360	PA-1233 (08)	2	13.67	1:00			Brk #29 Panel C
5	Library Entrance	RG-36 LMC	PA-6V7.2 (12)	2	6.71	1:00			
6	Library North Exit	RG-36 LMC	PA-6V7.2 (12)	2	6.21	1:00			
	Breaker 24 Panel "A"								
	Panel B Breaker #1								

A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charge Current
D- Requires Service, Repairs, Missing

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SMOKE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Smoke Alarm Devices			
1	Library North	SA (12V)	Replaced Device w/ (1) System Sensor 2012HA	08/31/2016
2	Library South	SA (12V)	Replaced Device w/ (1) System Sensor 2012HA	08/31/2016
	Emergency Lighting Devices			
	Repairs Not Required			

Additional Comments:

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Phone: (519) 657-2063
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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: **August 8th, 2016**

PROPERTY OWNED/MANAGED BY: **ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD**

THIS DOCUMENT CERTIFIES THAT THE SMOKE ALARM SYSTEM AT THE FOLLOWING LOCATION;

BUILDING SERVICES- 525 BALDOON ROAD, CHATHAM

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS ALSO COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Martin Archibald	CONFIRMED BY:	Jim Anderson
CFAA #:	19-992091		
FA. REP'S TECH:	Kevin Bury	DATED:	August 31st, 2016
CFAA #:	19-995199		

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

TECHNICIANS PRE-TEST CHECKLIST

Date: *July 18th, 2016*

Address: *Building Services Centre - 245 Tecumseh St., Sarnia*

Alert the management of the building that the fire alarm system is being tested and that alternate measures under the Fire Safety Plan should be implemented.

Check that an alternative plan has been established to alert occupants and the local fire department should an actual fire condition occur during testing.

Check the Technicians' responsibilities, if any, under that alternative measures of the Fire Safety Plan.

If there is a remote connection to a central station or fire department take necessary steps to alert central station or fire department.

Do not use the Fire Department Emergency telephone number.

Contacted regarding testing: *a.) Fire Dispatch* [X] *b.) Security* [N/A]

Contact additional info: _____ _____

WORK TO BE COMPLETED: *a.) Annual Inspection of the Interconnected Smoke Alarms* [X]

√ - YES	X - NO	N/A - NOT APPLICABLE
Tested Correctly	Did Not Test Correctly (See Remarks)	Function or Feature Not Provided On This Fire Alarm System

N/A	Are there ancillary functions that can impair building functions such as elevator capture, fan shutdown, door holders, etc.?
N/A	Can these be disabled and tested by groups?
√	Have building occupants been made aware of fire alarm testing?
√	Has a pre-determined time been established for testing signalling devices?
√	Have provisions been made for acquiring access to the secured areas of the building?
N/A	Are there spare reset and panel keys available?

TECHNICIANS AFTER-TEST CHECKLIST

N/A	Reconnect Ancillary Function (off-site connections)
N/A	Reconnect Ancillary Function
N/A	Reconnect Time Limit Cutouts
√	Reconnect Signal Power
√	Advise Building Management Work Completed
√	Advise Fire Dept. and/or Security Co. Work has been Completed
√	Ensure the Alarm System is Functional

DEFICIENCIES FOUND DURING INSPECTION			
	YES	NO	N/A
Fire/Smoke Alarm	√		
Emergency Lighting	√		
Fire Extinguishers			√
Sprinkler System			√
Other (Signage Etc.)		√	
All Deficiencies Repaired:	**July 19th, 2016**		

Technician #1

Name: Martin Archibald

CFAA #: 19-9952091

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

ANDERSON'S ELECTRONICS Inc.

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Phone: (519) 657-2063
Fax: (519) 657-2696

CAN/ULC S536-04

SMOKE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 18th, 2016

Building Name: Building Services Address: 245 Tecumseh Street, Sarnia

LOCATION	DEVICE	A	B	C	D	E	F	DATE CODE	REMARKS
Office Area Cubicles	SA (110V)	√		√				2010	
Shop West Wall	SA (110V)	√		√				2014	
Open Area By Records	SA (9V)		X					2006	*See Repairs List*
Records Area	SA (9V)		X					2006	*See Repairs List*
Metal Shop	SA (9V)		X					2006	*See Repairs List*
Wood Shop	SA (9V)		X					2006	*See Repairs List*
Northeast Storage	SA (9V)		X					2006	*See Repairs List*

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: July 18th, 2016

Building Name: Building Services

Address: 245 Tecumseh Street, Sarnia

LOCATION	MODEL #	BATTERY	#	A	B	C	D	REMARKS
Main Exit	6 PXM 36	PA-6V7.2 (12)	2	6.71	2:30	.450		
Rear Exit (Shop)	RG36 LMC	PA-6V7.2 (14)	2	6.82	2:30	.500		
Staff Room	RG36	PE-6V7.2 (12)	2	6.91	2:30	.300		
Wall by Staff Room	RG36	PA-6V12 (13)	2	6.90	2:30	.431		
Wall at Back of Offices	RG36	PA-6V12 (09)	2	6.00	2:30	-	X	*See Repairs List*
Metal Shop Exit	6 PXM 36	PA-6V7.2 (13)	2	6.93	2:30	.450		
Wood Shop	RG36	PA-6V7.2 (09)	4	6.10	2:30	-	X	*See Repairs List*

#- Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Testing Current
D- Repairs Completed

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FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
1	Open Area By Records	SA (9V)	Replaced Device w/ (1) Kidde 0916 Smoke Detector	07/18/2016
2	Records Area	SA (9V)	Replaced Device w/ (1) Kidde 0916 Smoke Detector	07/18/2016
3	Metal Shop	SA (9V)	Replaced Device w/ (1) Kidde 0916 Smoke Detector	07/18/2016
4	Wood Shop	SA (9V)	Replaced Device w/ (1) Kidde 0916 Smoke Detector	07/18/2016
5	Northeast Storage	SA (9V)	Replaced Device w/ (1) Kidde 0916 Smoke Detector	07/18/2016
	Emergency Lighting			
1	Wall at Back of Offices	RG36	Replaced Battery w/ (1) Panasonic PA-6V7.2	07/18/2016
2	Wood Shop	RG36	Replaced Battery w/ (1) Panasonic PA-6V7.2	07/18/2016

Additional Comments:

ANDERSON'S ELECTRONICS Inc.

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London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: July 18th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BD.

THIS DOCUMENT CERTIFIES THAT THE SMOKE ALARM SYSTEM AT THE FOLLOWING LOCATION;

FACILITY SERVICES BUILDING- 245 TECUMSEH ST, SARNIA

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS ALSO COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Martin Archibald	CONFIRMED BY:	Jim Anderson
CFAA #:	19-992091		
FA. REP'S TECH:	Martin Archibald	DATED:	July 18th, 2016
CFAA #:	19-992091		

ANDERSON'S ELECTRONICS Inc.

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Phone: (519) 657-2063
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FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: August 9th, 2016

Building Name: Gregory A. Hogan

Address: 1825 Hogan Drive, Sarnia

Security/Fire Alarm Panel [Make / Model]: Edwards Quickstart

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm System	√		
E	The fire alarm system documentation is on site and includes a description of the system	√		
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages			√
H	Comments: * Repairs completed during inspection			
I	A copy of this report has been given to: SCCDSB- Paul Lernout Who is the; Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Alban Berisha

CFAA #: 19-996382

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

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FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre	√		
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	DAMAR-114650 Gryphons
	Phone Number	(519) 336-7111

ANDERSON'S ELECTRONICS Inc.

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Main Entrance
Control unit or transponder identification	EST

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Main Entrance
Circuit breaker or disconnect means location	Room # 137

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		(2) Enersys NP12-12	(2) Enersys NP7.2-12
Battery manufacturer's date code or ins service date	Date	2015	2015
Battery Voltage (main power supply 'ON') is	Voltage	26.90	26.40
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.50	26.10
	Current (A)	0.430	0.06
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.10	24.80
	Current (A)	0.325	1.214
The charging current is	Current (mA)	480	920

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			
(ii) Silent test using load resistor method for full duration test.			
(iii) Silent accelerated test.			
(iv) A battery capacity meter test.			
(v) Replace the batteries with a new set having a current date code/capacity/type			

Record battery capacity	AH		
Record the battery terminal voltage after tests are completed.	VDC		

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): FACP / Booster

ANDERSON'S ELECTRONICS Inc.

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory input zone clearly indicated and separately designated			√
Individual alarm and supervisory input zone designation labels are properly identified			√
Common trouble signal operates			√
Visual indicator test (lamp test) operates			√
Displays are visible in the installed location			√
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements			√
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power			√

Annunciator or remote trouble signal unit location	N/A
Annunciator or remote trouble signal unit identification	N/A

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	N/A
Annunciator or sequential display identification	N/A

ANDERSON'S ELECTRONICS Inc.

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London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√
Remote trouble signal unit locations	N/A		
Remote trouble signal unit identification	N/A		

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√
Printer Location	N/A		
Printer Identification	N/A		

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√
Control Unit or Transponder Location	N/A		
Control Unit or Transponder Identification	N/A		
Data Communication link identification	N/A		

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm)	√		
Door Holders	√		

ANDERSON'S ELECTRONICS Inc.

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 9th, 2016

Address: 1825 Hogan Drive, Sarnia Building Name: Gregory A. Hogan

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Exit By 137	M	√		√		1			
Room 137	M	√		√		1			
Room 137	HT	√		√		1			Elec. Test
Room 137	HT	√		√		1			Elec. Test
By 137	S (C2M PDI)	√		√		1			
By 137	H/S	√		√		S-B			
By 140	EOL	√		√		S-A			
By 138	S (C2M PDI)	√		√		1			
By 135	H/S	√		√		S-A			EOL
By 135	S (C2M PDI)	√		√		1			
Room 131	H	√		√		S-B			EOL
Room 129B	S (C2M PDI)	√		√		1			
Room 129B	M	√		√		1			
Room 129	H	√		√		S-B			
By 127	H/S	√		√		1			
By 127	EOL	√		√		1			
Room 127	H/S	√		√		S-B			
By 127	S (C2M PDI)	√		√		1			
By 127	H/S	√		√		S-B			
By 136	S (C2M PDI)	√		√		1			
Room 134	RHT	√		√		1			
Room 134	RHT	√		√		1			
By 132	H/S	√		√		S-A			
By 123	S (C2M PDI)	√		√		1			
Room 123	H	√		√		S-B			
Room 121B	S (C2M PDI)	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

ANDERSON'S ELECTRONICS Inc.

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 9th, 2016

Address: 1825 Hogan Drive, Sarnia Building Name: Gregory A. Hogan

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Room 121B	M	√		√		1			
Room 121B	EOL	√		√		1			
Room 121	H	√		√		S-B			
By 100	S (C2M PDI)	√		√		1			
Room 100	RHT	√		√		1			
Room 100A	RHT	√		√		1			
By FACP	S (C2M PDI)	√		√		3			
By FACP	M	√		√		3			
Main Entrance	H/S	√		√		S-B			
Main Entrance	M	√		√		3			
Main Entrance	S (C2M PDI)	√		√		3			
Room 102	RHT	√		√		3			
Room 102C	RHT	√		√		3			
Fan Room 102C	HT	√		√		3			
Room 102A	RHT	√		√		3			
Room 102B (Sprinkler Room)	ESV	**Not Tested By AEI**				10	**Not Tested By AEI**		
Room 102B (Sprinkler Room)	ESV					6			
Room 102B (Sprinkler Room)	F/S					9			North Wing
Room 102B (Sprinkler Room)	F/S					5			South Wing
Room 102B (Sprinkler Room)	ESV					7			
Room 102B (Sprinkler Room)	ESV					8			
Room 102B (Sprinkler Room)	EOL	√		√		10			
Room 102B (Sprinkler Room)	EOL	√		√		6			Elec. Test
Room 102B	EOL	√		√		9			
Room 102B	EOL	√		√		5			
Room 102B	EOL	√		√		7			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 9th, 2016

Address: 1825 Hogan Drive, Sarnia Building Name: Gregory A. Hogan

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Room 102B	EOL	√		√		8			
Gym Entrance	S (C2M PDI)	√		√		3			
Room 108	HT	√		√		3			
Room 104	RHT	√		√		3			
Fan Room 10	HT	√		√		3			
Gym	H/S	√		√		S-A			Elec. Test
Exit By 114	M	√		√		3			
Exit By Scoreboard	EOL	√		√		3			
Exit By Scoreboard	M	√		√		3			
Room 114	RHT	√		√		3			
Room 114	RHT	√		√		3			
By 101	H/S	√		√		S-A			
By 110	RHT	√		√		3			
By 103	S (1400A)	√		√		3			
Barrier Free Washroom	HT	√		√		3			
By 105	S (C2M PDI)	√		√		3			
Sink Room	RHT	√		√		3			
Room Across from 105	RHT	√		√		3			
Room 105	RHT	√		√		3			
Room 105A	RHT	√		√		3			
By 105	H/S	√		√		S-B			
By 105/114	S (C2W BA)	√		√		2			
Exit By 114	S (C2M PDI)	√		√		2			
Exit By 114	M	√		√		2			
Room 105	RHT	√		√		2			
By 105	H/S	√		√		S-A			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

ANDERSON'S ELECTRONICS Inc.

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 9th, 2016

Address: 1825 Hogan Drive, Sarnia Building Name: Gregory A. Hogan

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
By 116	S (C2M PDI)	√		√		4		5	
Fan Room By 116	HT	√		√		4			
107 Girls Washroom	RHT	√		√		4			
109 Boys Washroom	RHT	√		√		4			
Boiler Room 118	H/S	√		√		S-B			
Boiler Room 118	RHT	√		√		4			
Boiler Room 118	RHT	√		√		4			
By Room 118	S (C2M PDI)	√		√		4			
By Room 111	H/S	√		√		S-B			
Fan Room By 120	HT	√		√		4			
Fan Room By 122	HT	√		√		4			
Fan Room By 111	HT	√		√		4			
Fan Room By 113	HT	√		√		4			
By 113	H/S	√		√		S-A			
By 113	EOL	√		√		2			
By 113	S (C2W BA)	√		√		4			
By 124	S (C2M PDI)	√		√		4			
By 115	H/S	√		√		S-B			
By 126	S (C2M PDI)	√		√		4			
By 117	H/S	√		√		S-A			
By 128	EOL	√		√		4			
Exit By 128	M	√		√		4			
Exit By 128	S (C2M PDI)	√		√		4			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: August 9th, 2016

Address: 1825 Hogan Drive, Sarnia Building Name: Gregory A. Hogan

LOCATION	MODEL #	BATTERY	#	A	B	C	D	REMARKS
Gym Exit to Hall	RG12S36	PS12V33 (09)	9	13.88	11:39	1170	X	*See Repairs List*
Gym Exit By 229-240	RG36LMC	6V7.2 (09)	2	6.57	11:49	241	X	*See Repairs List*
Gym Exit Left	RG36LMC	6V7.2 (09)	2	6.76	11:50	230	X	*See Repairs List*
Gym Exit Right	RG36LMC	6V7.2 (09)	2	6.00	11:41	N/A	X	*See Repairs List*
Rm. 137	NV12250	(3) 12V7 (14)	10	13.65	11:34	710		
Storage Rm. 118 (Boiler)	RG12S36	12V33 (09)	10	13.91	1:15	1200		
Exit By 128	RGB6LMC	(2) 6V7 (13)	2	13.69	1:17	330		
Room Across from 105	SLA636	6V7 (15)	2	6.89	1:19	300		
Kindergarten Coatroom 121B	SLA636	(2) 6V4.5 (13)	2	13.45	11:37	440		
Kindergarten Coatroom 129B	SLA636	(2) 6V4.5 (14)	2	13.79	11:35	371		
Room 137 Exit	SLA636	(2) 6V4.5 (14)	2	13.71	11:32	368		
Room 125	NV12250	(3) 12V7 (14)	8	13.61	11:30	1618		

#- Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

ANDERSON'S ELECTRONICS Inc.

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FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
	Repairs not Required			
	Emergency Lighting			
1	Gym Exit to Hall	RG12S36	Replaced Battery w/ (1) Panasonic PA-12V33	08/09/2016
2	Gym Exit By 229-240	RG36LMC	Replaced Battery w/ (1) Panasonic PA-6V7.2	08/09/2016
3	Gym Exit Left	RG36LMC	Replaced Battery w/ (1) Panasonic PA-6V7.2	08/09/2016
4	Gym Exit Right	RG36LMC	Replaced Battery w/ (1) Panasonic PA-6V7.2	08/09/2016
	Hydrant Inspection			
	Repairs Not Required			

Additional Comments:

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
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Phone: (519) 657-2063
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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

183 Exeter Road, Unit A
London, Ontario
PHONE (519) 652-5086
FAX (519) 652-8719

Hydrant Inspection Report

Report To:	**Andersons Electronics**	Location:	**Gregory A. Hogan**
Address:	**1825 Hogan Dr.**	Inspector:	**T.Neves**
City/Prov:	**Sarnia**	Date:	**July 6, 2016**

Where used in this report, N/A means not applicable
Deficiencies involving the issuance of a Certificate Of Compliance will be answered with a "NO" and addressed in section # 6

1. GENERAL:

a) Are the hydrant(s) free from obstructions and accessible?	YES
b) Are the hydrant(s) visible and clearly marked?	YES

2. WATER SUPPLIES:

a) Was a flow test done?	YES
b) Was water flowed from the hydrant for a minimum time of one minute with the valve fully open?	YES
c) Was the water free of debris?	YES
d) Type of water supply?	City Water Supply

3. FIRE HYDRANTS:

a) Was the hydrant valve found?			YES
b) Was the hydrant valve open?			YES
c) Did the fire hydrant open & operate properly?			YES
d) Was the bonnet "O " ring lubricated?			YES
e) Were the outlet caps in place and tight?			YES
f) Was water flowed from the hydrant?			YES
g) Did the water drain from the barrel properly?			YES
h) Was a flow test done?			YES
South Hydrant:			
i) The static pressure was?			**65**
k) The pitot reading from an engineered playpipe was	**16**	Using an outlet size of	**2.5**
l) The USGPM results are?			**671**
North Hydrant:			
i) The static pressure was?			**63**
k) The pitot reading from an engineered playpipe was	**16**	Using an outlet size of	**2.5**
l) The USGPM results are?			**671**

4. Listed are recent changes in the building occupancy or fire protection equipment:

NONE

5. The following are corrections made at the time of inspection:

NONE

6. The following items are deficient as per The Ontario Fire Code and need to be corrected immediately:

NONE

The certificate of inspection cannot be issued until all items under section #6 have been completed.

7. The following items are recommendations only.

NONE

• LIMITATION OF LIABILITY: It is understood and agreed that the INSPECTOR is NOT an insurer and is NOT warranting or guaranteeing the adequacy, performance or life expectancy of any structure, item, component or system in the building. Further, it is mutually agreed that the maximum amount of joint and several liability the INSPECTOR can incur for any error, mistakes, omissions, breach of contract, breach of warrantee, negligent hiring, or any other theory of liability including violation of a statute or consumer protection act is strictly limited to the FEE PAID for the inspection report.

NOTE: This inspection/test was performed in accordance with The Ontario Fire Code. This inspection does NOT certify that the fire hydrant installation complies with NFPA, OBC or Ontario Retrofit Reg. #627/92 (an engineer's report would be required to certify this).

As per the requirements of The Ontario Fire Codes, the inspecting company must submit this report to the local Fire Prevention office

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: August 9th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

GREGORY A. HOGAN 1825 HOGAN DRIVE, SARNIA

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04. THE FIRE HYDRANT HAS ALSO BEEN INSPECTED AT THIS LOCATION.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Alban Berisha	CONFIRMED BY:	Jim Anderson
CFAA #:	19-996382		
FA. REP'S TECH:	Alban Berisha	DATED:	August 9th, 2016
CFAA #:	19-996382		

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: July 25th, 2016

Building Name: George P. Vanier

Address: 20 Cecile Avenue, Chatham

Security/Fire Alarm Panel [Make / Model]: Mircom FA-300

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm Systems	√		
E	The fire alarm system documentation is on site and includes a description of the system		√	
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages			√
H	Comments: *All repairs completed during inspection			
I	A copy of this report has been given to: Paul Lernout Who is the; Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Alban Berisha

CFAA #: 19-996582

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

ANDERSON'S ELECTRONICS Inc.

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FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)			√
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre	√		
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	Damar Syst. # 883326 Tiger Den
	Phone Number	1 (800) 265-7562

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Main Entrance
Control unit or transponder identification	Mircom FA-300

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Main Entrance
Circuit breaker or disconnect means location	Electrical Room

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		Panasonic LCR1212P
Battery manufacturer's date code or ins service date	Date	2012
Battery Voltage (main power supply 'ON') is	Voltage	27.49
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.45
	Current (A)	0.180
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	24.80
	Current (A)	1.62
The charging current is	Current (mA)	220

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test;			√
(iv) A battery capacity meter test; or	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity.	AH	12
Record the battery terminal voltage after tests are completed.	VDC	25.60

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 5.13

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory input zone clearly indicated and separately designated			√
Individual alarm and supervisory input zone designation labels are properly identified			√
Common trouble signal operates			√
Visual indicator test (lamp test) operates			√
Displays are visible in the installed location			√
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements			√
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power			√

Annunciator or remote trouble signal unit location	N/A
Annunciator or remote trouble signal unit identification	N/A

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	N/A
Annunciator or sequential display identification	N/A

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√
Remote trouble signal unit locations	N/A		
Remote trouble signal unit identification	N/A		

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√
Printer Location	N/A		
Printer Identification	N/A		

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√
Control Unit or Transponder Location	N/A		
Control Unit or Transponder Identification	N/A		
Data Communication link identification	N/A		

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Door Holders	√		
Tie to Security	√		

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2018 Mallard Road, Unit #1
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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 25th, 2016

Building Name: George P. Vanier Address: 20 Cecile Ave, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
West Exit by Room 134	M	√		√		1			
Hall By Room 134	S	√		√		1			
Hall By Room 134	H/S	√		√		NAC 3			
Room 133 Exit	M	√		√		1			
Room Across From 133	RHT	√		√		1			
Hall By Room 9	S	√		√		1			
Hall By Room 9	H/S	√		√		NAC 2			
Exit By Tiger Mural	M	√		√		1			
Hall By Resource Room	S	√		√		1			
Resource Room	RHT	√		√		1			
Room Across From Resource Room	RHT	√		√		1			
Kitchen (Breakfast Club)	HT	√		√		1			Elect. Tested
Hall By Men's Washroom	H/S	√		√		NAC 3			
Hall By Women's Washroom	S	√		√		1			
Main Lobby	S	√		√		1			
Main Lobby	H/S	√		√		1			
Main Lobby	M	√		√		1			
Main Lobby	Aux Relay	√		√		1			
Entrance to Library	DH	√		√		1			
Library	H/S	√		√		NAC 1			
Library Storage (Right)	RHT	√		√		1			
Library Storage (Left)	RHT	√		√		1			
Hall By Office	S	√		√		1			
Office	RHT	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

ANDERSON'S ELECTRONICS Inc.

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 25th, 2016

Building Name: George P. Vanier Address: 20 Cecile Ave, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Principal's Room	RHT	√		√		1			
Custodian Hallway	S	√		√		1			
Custodian Storage	RHT	√		√		1			
Custodian Electrical	RHT	√		√		1			
Custodian Office	RHT	√		√		1			
Hall By Room 107	H/S	√		√		NAC 2			
Storage in Room 107	RHT	√		√		1			
Staff Room Hallway	S	√		√		1			
Staff Copy Room	RHT	√		√		1			
Staff Lounge (Right)	RHT	√		√		1			
Staff Lounge (Left)	HT	√		√		1			
Hall By Staff Room	S	√		√		1			
Hall By Boys Washroom	H/S	√		√		NAC 1			
Storage in Room 110	RHT	√		√		1			
Storage in Room 111	RHT	√		√		1			
Hall By Room 111	S	√		√		1			
Hall By Room 113	S	√		√		1			
Hall By Room 113	H/S	√		√		NAC 1			
Storage in Room 113	RHT	√		√		1			
Storage in Room 114	RHT	√		√		1			
Paper Storage Room 115	RHT	√		√		1			
Hall By Chemistry Storage	S	√		√		1			
Chemistry Storage Room 116	HT	√		√		1			Elect. Tested
Storage Room 117	RHT	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

ANDERSON'S ELECTRONICS Inc.

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 25th, 2016

Building Name: George P. Vanier Address: 20 Cecile Ave, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Chemical Storage	RHT	√		√		1			
By Slop Sink Room	H/S	√		√		NAC 2			
In Slop Sink Room	RHT	√		√		1			
Custodian Room 119	RHT	√		√		1			
Hall By Room 2	S	√		√		1			
Room 5	H/S	√		√		NAC 1			
Storage in Room 118	RHT	√		√		1			
Hall By Room 118	H/S	√		√		NAC 1			
Hall By Room 118	S	√		√		1			
Coat Room - Rm 1	RHT	√		√		1			
Paint Storage	RHT	√		√		1			
East Exit	M	√		√		1			
Garbage Storage	HT	√		√		1			
Hall By Girls Changeroom	S	√		√		1			
Girls Changeroom	RHT	√		√		1			
Boys Changeroom	RHT	√		√		1			
Hall By Boys Changeroom	H/S	√		√		NAC 2			
Hall By Gym	S	√		√		2			
Exit By Gym	M	√		√		2			
Storage in Room 120	H	√		√		NAC 2			
Room Coat Room 120	RHT	√		√		1			
Gym West Exit	M	√		√		2			
Gym East Exit	M	√		√		2			
Storage Room 120	RHT	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 25th, 2016

Building Name: George P. Vanier Address: 20 Cecile Ave, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Gym Storage	RHT	√		√		2			
Gym Under Stage	RHT	√		√		2			
Gym Area # 1	RHT	√		√		2			*Caged*
Gym Area # 2	RHT	√		√		2			*Caged*
Gym Area # 3	RHT	√		√		2			*Caged*
Gym Area # 4	RHT	√		√		2			*Caged*
Gym Area # 5	RHT	√		√		2			*Caged*
Gym Area # 6	RHT	√		√		2			*Caged*
Gym Area # 7	HT	√		√		2			Elect. Tested *Caged*
Gym Area # 8	HT	√		√		2			Elect. Tested *Caged*
Gym Area # 9	HT	√		√		2			Elect. Tested *Caged*
Gym Stage	RHT	√		√		2			
Room 121 Coat Room	RHT	√		√		1			
Room 121 Coat Room	H/S	√		√		NAC 2			
Room 121B	RHT	√		√		1			
Room 121B	H	√		√		NAC 2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: July 25th, 2016

Building Name: George P. Vanier Address: 20 Cecile Ave, Chatham

LOCATION	MODEL #	BATTERY	RH #	A	B	C	D	REMARKS
By Room 134	SPEXS636	(2) Sota 6V4.5 (12)	2	13.89	11:42	320		Ok
Exit By Tiger Mural	SPEXS636	CSB 6V4.5 (13)	2	6.78	11:44	329		Ok
Hall @ Resource	SPEXS636	(2) PA-6V4.5 (09)	2	13.90	11:46	340	X	*See Repairs List*
Library	SPEXS636	(2) PA-6V4.5 (13)	2	14.06	11:48	300		Ok
Library Classroom	RG-36	PA-6V7.2 (09)	2	6.86	11:50	150	X	*See Repairs List*
Front Entrance	SPEXS636	(2) PA-6V4.5 (08)	2	14.06	11:52	360		Ok
Hall @ Office	SPEXS636	(2) PA-6V4.5 (09)	2	14.01	11:54	380	X	*See Repairs List*
East Exit	SPEXS636	(2) PA-6V4.5 (11)	2	14.89	11:56	310		Ok
Hall Intersection to Gym	SPEXS636	(2) PA-6V4.5 (09)	2	14.09	11:58	290	X	*See Repairs List*
Hall @ Boys Changeroom	SPEXS636	(2) PA-6V4.5 (10)	2	14.07	12:00	295	X	*See Repairs List*
Exit By Gym Entrance	SPEXS636	(2) PA-6V4.5 (09)	2	14.00	12:02	315	X	*See Repairs List*
Gym Exit to Hall	SPEXS636	(2) PA-6V4.5 (12)	2	14.07	12:04	320		Ok
Gym Exit -Right	SPEXS636	(2) Sota 6V4.5 (12)	2	14.00	12:06	330		Ok
Gym Exit -Left	SPEXS636	(2) PA-6V4.5 (14)	2	14.16	12:08	360		Ok
Room 133	Exit Sign	N/A						Ok

RH #- Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

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FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
	No Repairs Required			
	Emergency Lighting			
1	Hall @ Resource	SPEXS636	Replaced Batteries w/ (2) Panasonic PA-6V4.5	07/25/2016
2	Library Classroom	RG-36	Replaced Battery w/ (1) Panasonic PA-6V7.2	07/25/2016
3	Hall @ Office	SPEXS636	Replaced Batteries w/ (2) Panasonic PA-6V4.5	07/25/2016
4	Hall Intersection to Gym	SPEXS636	Replaced Batteries w/ (2) Panasonic PA-6V4.5	07/25/2016
5	Hall @ Boys Changeroom	SPEXS636	Replaced Batteries w/ (2) Panasonic PA-6V4.5	07/25/2016
6	Exit By Gym Entrance	SPEXS636	Replaced Batteries w/ (2) Panasonic PA-6V4.5	07/25/2016

Additional Comments:

ANDERSON'S ELECTRONICS Inc.

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: **July 25th, 2016**

PROPERTY OWNED/MANAGED BY: **ST. CLAIR CATHOLIC DISTRICT SCHOOL BD.**

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

GEORGE P VANIER- 20 CECILE AVENUE, CHATHAM

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS ALSO COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Alban Berisha	CONFIRMED BY:	Jim Anderson
CFAA #:	19-996382		
FA. REP'S TECH:	Alban Berisha	DATED:	July 25th, 2016
CFAA #:	19-996382		

ANDERSON'S ELECTRONICS Inc.

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FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: August 4th, 2016

Building Name: Good Shepherd

Address: 4 Edith St., Thamesville

Security/Fire Alarm Panel [Make / Model]: Edwards EST Quickstart

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm Systems	√		
E	The fire alarm system documentation is on site and includes a description of the system		√	
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages		√	
H	Comments: * Repairs not Required			
I	A copy of this report has been given to: Paul Lernout Who is the: Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Kevin Bury

CFAA #: 19-995199

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

CANADIAN FIRE ALARM ASSOCIATION

FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal			√
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]	√		
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre	√		
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	DAMAR- 883339 Gryphons
	Phone Number	(800) 265-7562.

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Front Entrance
Control unit or transponder identification	EST

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		
Control unit or transponder location	Front Entrance		
Circuit breaker or disconnect means location	Electrical Room 141		

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		Main- (2) Enersys NP7-12T
Battery manufacturer's date code or ins service date	Date	2013
Battery Voltage (main power supply 'ON') is	Voltage	26.70
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.20
	Current (A)	0.162
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.00
	Current (A)	0.225
The charging current is	Current (mA)	298

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	7
Record the battery terminal voltage after tests are completed.	VDC	26.00

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 4.02

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Front Entrance
Circuit breaker or disconnect means location	Electrical Room 141

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		Booster- (2) Enersys NP7-12T
Battery manufacturer's date code or ins service date	Date	2014
Battery Voltage (main power supply 'ON') is	Voltage	26.30
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.50
	Current (A)	0.410
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.00
	Current (A)	0.460
The charging current is	Current (mA)	292

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	7
Record the battery terminal voltage after tests are completed.	VDC	25.70

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 1.22

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory input zone clearly indicated and separately designated			√
Individual alarm and supervisory input zone designation labels are properly identified			√
Common trouble signal operates			√
Visual indicator test (lamp test) operates			√
Displays are visible in the installed location			√
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements			√
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power			√

Annunciator or remote trouble signal unit location	N/A
Annunciator or remote trouble signal unit identification	N/A

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	N/A
Annunciator or sequential display identification	N/A

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√

Remote trouble signal unit locations	N/A
Remote trouble signal unit identification	N/A

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√

Printer Location	N/A
Printer Identification	N/A

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(I) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√

Control Unit or Transponder Location	Front Entrance
Control Unit or Transponder Identification	EST
Data Communication link identification	Loop

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm)	√		
Door Holders (Not Through FA Panel)	√		
Fan Shutdown	√		

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2018 Mallard Road, Unit #1
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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 4th, 2016

Building Name: Good Shepherd Address: 4 Edith Street, Thamesville

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
By 101 at C1	M	√		√		I27 1			
Room 101	RHT	√		√		005 1			
At 101C1	RHT	√		√		006 1			
102A Room	RHT	√		√		007 1			
Storage 102B	RHT	√		√		008 1			
Room 102C	RHT	√		√		009 1			
Hall By 103	S	√		√		010 1			
103 Coat Room	S	√		√		011 1			
103 Closet B	RHT	√		√		012 1			
104 Coat Room	S	√		√		013 1			
104 Closet B	RHT	√		√		014 1			
Hall By Washroom 105	H	√		√		NAC 2			
Office 107	RHT	√		√		024 1			
Storage 106	RHT	√		√		015 1			
Storage 108	RHT	√		√		016 1			
Mechanical Room 109	RHT	√		√		023 1			
Hall @ 111	S	√		√		019 1			
111 Coat Room	S	√		√		021 1			
111 Closet B	RHT	√		√		022 1			
Room 110 Coat Room	S	√		√		018 1			
110 Closet B	RHT	√		√		017 1			
At Fire Doors	S	√		√		020 1			
Hall Doors @ 111	Door Holders	√		√					
West of Doors	S	√		√		025 2			
Mechanical Room 113	RHT	√		√		027 2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 4th, 2016

Building Name: Good Shepherd Address: 4 Edith Street, Thamesville

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS/REPAIRS
Hall By 115	H	√		√		NAC 1			EOL
Hall By 115 C3	S	√		√		028 2			
Room 115 A	S	√		√		029 2			
115 Exit	M	√		√		130 2			
Exit By 115 C3 North Exit	M	√		√		129 2			
Room 112	RHT	√		√		031 2			
Hall By 112 C4 CE	S	√		√		026 2			
Custodial Room 117	RHT	√		√		032 2			
Room 117A	RHT	√		√		063 2			
Room 114	RHT	√		√		038 2			
Room 116	S	√		√		045 2			
116 Exit	M	√		√		132 2			
116B	RHT	√		√		039 2			
Room 118 Exit	M	√		√		133 2			
118	S	√		√		037 2			
Room 123	S	√		√		033 2			
123 Exit	M	√		√		131 2			
Hall By 123	H	√		√		NAC 2			
Hall By 125 C4 WC	S	√		√		036 2			
125 Chapel	RHT	√		√		030 2			
Library (Room 124)	RHT	√		√		040 2			
Library	H	√		√		NAC 2			
Hall By Door to Lobby	S	√		√		035 2			Relay
Lobby by Doors	S	√		√		034 2			Relay
Fire Doors	Door Holders	√		√					

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 4th, 2016

Building Name: Good Shepherd Address: 4 Edith Street, Thamesville

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS/REPAIRS
Women's Washroom 120	RHT	√		√		041 2			
Men's Washroom 122	RHT	√		√		042 2			
Main Entrance	M	√		√		136 3			
Main Electrical Room 141	M	√		√		135 4			
Main Electrical Room 141	S	√		√		043 4			
Lobby By Washrooms	S	√		√		046 2			High
Lobby By 133	S	√		√		044 2			High
Room 131	H	√		√		NAC 2			
131 Exit	M	√		√		128 3			
133 Kitchen	RHT	√		√		047 3			
137 Stage	RHT	√		√		053 3			
Hall By Library	H	√		√		NAC 1			
Hall By Library	S	√		√		051 3			
Exit By Library	M	√		√		134 3			
Gym 135	H	√		√		NAC 2			
Gym Storage 135D- East	RHT	√		√		052 3			
Gym Left - Storage West	RHT	√		√		050 3			
Gym Exit Stair	M	√		√		154 3			
Girl's Change Room- West	RHT	√		√		059 3			
Boy's Change Room- East	RHT	√		√		060 3			
Outside Storage 139	RHT	√		√		049 3			
Outside Storage 139	M	√		√		153 3			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING
INDIVIDUAL DEVICE RECORD

Date: August 4th, 2016

Building Name: Good Shepherd Address: 4 Edith Street, Thamesville

LOCATION	MODEL #	BATTERY	#	A	B	C	D	REMARKS
Hall East at 103	Lumacell Headpro	PE-6V7.2	2	6.79	12:47	260		Ok
Hall at 111	Lumacell Headpro	PE-6V7.2	2	6.69	12:47	261		Ok
South Hall at 115	Lumacell Headpro	PE-6V7.2	2	6.88	12:47	250		Ok
Hall at 117 Custodian	Lumacell Headpro	PA-6V7.2 (13)	2	6.99	12:47	310		Ok
Hall at 118	Lumacell Headpro	PA-6V7.2 (14)	2	6.75	12:47	300		Ok
Hall By Lobby Washroom's	Lumacell Headpro	PA-6V7.2 (15)	2	6.69	12:47	270		Ok
Hall at Main Entrance	Lumacell Headpro	PE-6V7.2	2	6.85	12:47	275		Ok
Main Office	Lumacell Headpro	PA-6V7.2 (13)	2	6.75	12:47	281		Ok
Lobby at Staff Room	Lumacell Headpro	PA-6V7.2 (15)	2	6.72	12:47	240		Ok
131 Community Room	Lumacell Headpro	PA-6V7.2 (13)	2	6.71	12:47	264		Ok
Stage Right	Lumacell Headpro	PE-6V7.2	2	6.65	12:47	250		Ok
Stage Left	Lumacell Headpro	PE-6V7.2	2	6.79	12:47	259		Ok
Lobby at Wheelchair Ramp	Lumacell Headpro	PA-6V7.2 (13)	2	6.89	12:47	270		Ok
Library South	Lumacell Headpro	PA-6V7.2 (14)	2	6.88	12:47	281		Ok
Library North	Lumacell Headpro	PE-6V7.2	2	6.85	12:47	283		Ok
Exit By Library	Lumacell Headpro	PA-6V7.2 (13)	2	6.82	12:47	291		Ok
Gym NW	Lumacell Headpro	PA-6V7.2 (15)	2	6.79	12:47	281		Ok
Gym SW	Lumacell Headpro	PE-6V7.2	2	6.79	12:47	301		Ok
Gym SE	Lumacell Headpro	PE-6V7.2	2	6.72	12:47	305		Ok
Gym NE	Lumacell Headpro	PE-6V7.2	2	6.71	12:47	310		Ok
Girls Changeroom	Lumacell Headpro	PE-6V7.2	2	6.75	12:47	300		Ok
Boys Changeroom	Lumacell Headpro	PA-6V7.2 (15)	2	6.74	12:47	255		Ok
Outside Electrical at Main Entrance	Lumacell Headpro	PA-6V7.2 (13)	2	6.73	12:47	287		Ok

Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

ANDERSON'S ELECTRONICS Inc.

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FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
	Repairs not Required			
	Emergency Lighting			
	Repairs not Required			

Additional Comments:

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: August 4th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BD.

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

GOOD SHEPHERD- 4 EDITH STREET, THAMESVILLE

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS ALSO COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Kevin Bury	CONFIRMED BY:	Jim Anderson
CFAA #:	19-995199		
FA. REP'S TECH:	Kevin Bury	DATED:	August 4th, 2016
CFAA #:	19-995199		

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FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: August 8th, 2016

Building Name: Holy Family

Address: 649 Murray Street, Wallaceburg

Security/Fire Alarm Panel [Make / Model]: Edwards 6616

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm System	√		
E	The fire alarm system documentation is on site and includes a description of the system	√		
F	The fire alarm system is fully functional		√	
G	The fire alarm system has deficiencies noted on the attached pages	√		
H	Comments: * All repairs completed as of August 31st			
I	A copy of this report has been given to: St. Clair Catholic District School Board Who is the; Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Martin Archibald

CFAA #: 19-992091

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

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FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal		√	
Trouble signal silence switch		√	
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures			√
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre	√		
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	DAMAR- 883327 (Cardinals)
	Phone Number	(800) 265-7562

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Electrical Room # 106
Control unit or transponder identification	Edwards 6616

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Electrical Room # 106
Circuit breaker or disconnect means location	Electrical Room # 106

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		(4) Panasonic LCR0612P
Battery manufacturer's date code or ins service date	Date	2013
Battery Voltage (main power supply 'ON') is	Voltage	26.30
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.00
	Current (A)	0.255
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	24.90
	Current (A)	0.76
The charging current is	Current (mA)	333

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	12
Record the battery terminal voltage after tests are completed.	VDC	25.50

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 6.51

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates	√		
Individual alarm and supervisory input zone clearly indicated and separately designated	√		
Individual alarm and supervisory input zone designation labels are properly identified	√		
Common trouble signal operates	√		
Visual indicator test (lamp test) operates	√		
Displays are visible in the installed location	√		
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements	√		
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power	√		

Annunciator or remote trouble signal unit location	Main Entrance
Annunciator or remote trouble signal unit identification	EST

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	N/A
Annunciator or sequential display identification	N/A

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√

Remote trouble signal unit locations	N/A
Remote trouble signal unit identification	N/A

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√

Printer Location	N/A
Printer Identification	N/A

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√

Control Unit or Transponder Location	N/A
Control Unit or Transponder Identification	N/A
Data Communication link identification	N/A

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm)	√		
Door Holders	√		

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 8th, 2016

Building Name: Holy Family Address: 649 Murray Street, Wallaceburg

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Gym	HT	√		√		3			High
Gym	HT	√		√		3			High
Gym	HT	√		√		3			High
Gym	HT	√		√		3			High
Under Stage at Gym Storage	RHT	√		√		3			
Gym Exit	M	√		√		3			
Gym West Exit	M	√		√		3			
Gym	B	√		√		S-1			
Gym Storage	RHT	√		√		3			High
Gym Stage	HT	√		√		3			
Storage By Stage	RHT	√		√		2			EOL
Exit By Gym	M	√		√		2			
Hall By Boy's C / R	S (C2M PDI)	√		√		2			
Boy's Change Room	HT	√		√		2			Elec. Test
Hall By Girl's C / R 129	B	√		√		S-1			
Girl's Change Room 129	RHT	√		√		2			
Hall By Girl's C / R at 129	S (C2M PDI)	√		√		2			
Room 132	HT	√		√		2			Elec. Test
Room 134	HT	√		√		2			Elec. Test
Hall By Room 132	B	√		√		S-1			
Hall By Room 132	S (C2M PDI)	√		√		2			
Exit By Room 132	M	√		√		2			
Hall By Room 127	S (1400A)	√		√		1			
Hall By Room 127	B	√		√		S-1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 8th, 2016

Building Name: Holy Family Address: 649 Murray Street, Wallaceburg

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Boiler Room South 123	HT	√		√		1			Elec. Test
Hall By Room 111	S (1400A)	√		√		1			
Boiler Room 123	HT	√		√		1			Elec. Test
Staff Locker Room 126	RHT	√		√		1			
Staff Lounge 126	RHT	√		√		1			
Room 10 Closet 121A	RHT	√		√		1			
Paper Storage 124 Book Room	RHT	√		√		1			
Custodian Room 111	RHT	√		√		1			
Hall By Girl's W/C at 117	B	√		√		S-1			
Hall By Girl's W/C at 117	S (1400A)	√		√		1			
Coat Room 115	RHT	√		√		1			
Room Closet 115 A	RHT	√		√		1			
Staff Washroom 120	RHT	√		√		1			
A.V. Room 118A	RHT	√		√		1			
Canteen 118	RHT	√		√		1			
Teacher's Work Rm 113	RHT	√		√		1			
Library Front 116	RHT	√		√		1			
Library/ Room 116	B	√		√		S-1			
Library Rear 116A	RHT	√		√		1			
Library Exit 116	M	√		√		1			
Hall By Library at 116	S (1400A)	√		√		1			
Exit By Library at 116	M	√		√		1			
Hall By 120 Staff Washroom	S (1400A)	√		√		1			
Custodian Room 119	RHT	√		√		1			

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B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 8th, 2016

Building Name: Holy Family Address: 649 Murray Street, Wallaceburg

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Hall at Music Room 125	S (1400A)	√		√		1			
Room 6 Coat Room 114	RHT	√		√		1			
Room 6 Closet 114A	RHT	√		√		1			
Room 5 Coat Room 109	RHT	√		√		1			
Room 5 Closet 109A	RHT	√		√		1			
Art Supplies 112	RHT	√		√		1			
Hall By Computer Room / Library 107	B	√		√		S-1			
Hall By Computer Room	S (1400A)	√		√		1			
Computer Room	RHT	√		√		1			
Computer Room Exit	M	√		√		1			
Computer Office	RHT	√		√		1			
Front Resource Room	RHT	√		√		1			
Rear Resource Room	RHT	√		√		1			
Boiler Room	M	√		√		1			
Boiler Room	HT	√		√		1			Elec. Test
Lobby By Office	S (1400A)	√		√		1			
Lobby By Office	B	√		√		S-1			
Side Lobby	M	√		√		1			
Front Door	M	√		√		1			
Office	RHT	√		√		1			
Office Storage	RHT	√		√		1			
Front Door	ANN	√		√					
Front Entrance	RHT	√		√		1			
Boiler Room South 123 #4	ESV	√		√		8			Alarm Zone

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 8th, 2016

Building Name: Holy Family Address: 649 Murray Street, Wallaceburg

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Boiler Room 123 #2	ESV	√		√		7			Alarm Zone
Boiler Room 123 #3	ESV		X			6			Disconnected
Boiler Room 123 #4	ESV		X			5			Disconnected
Boiler Electrical Room 106	ESV	√		√		11			Alarm Zone

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING
INDIVIDUAL DEVICE RECORD

Date: August 8th, 2016

Building Name: Holy Family Address: 649 Murray Street, Wallaceburg

LOCATION	MODEL #	BATTERY	#	A	B	C	D	REMARKS
Boiler Room	RG 12S 360	PA-1233 (11)	8	13.35	12:36	120		Ok
Canteen Room	RG 12S 360	PA-1233 (12)	8	13.45	12:38	110		Ok
Small Boiler Room	RG 12S 360	PA-1233 (14)	15	13.50	12:40	950		Ok
Porta Pak Hall West	JML 36	PA-6V12 (11)	2	6.81	12:43	111		Ok
By Girl's Change Room	RG 12S 360	NP33-12 (15)	8	13.61	12:48	115		Ok

Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

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FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm			
1	Fire panel buzzer failed, replaced panel w/ system as other issues were found.			08/24/2016
2	(2) valves not in use, have been disconnected from system. Other valves were not supervised, are			08/24/2016
	now supervised upon installation of the new panel			
	Emergency Lighting			
	Repairs Not Required			

Additional Comments:

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

C&H FIRE SUPPRESSION SYSTEMS INC.

183 Exeter Road, Unit A
London, Ontario
PHONE (519) 652-5086
FAX (519) 652-8719

Hydrant Inspection Report

Report To:	**Andersons Electronics**	Location:	**Holy Family**
Address:	**649 Murray Street**	Inspector:	**T.Neves**
City/Prov:	**Wallaceburg**	Date:	**July 22, 2016**

Where used in this report, N/A means not applicable
Deficiencies involving the issuance of a Certificate Of Compliance will be answered with a "NO" and addressed in section # 6

1. GENERAL:

a) Are the hydrant(s) free from obstructions and accessible?	YES
b) Are the hydrant(s) visible and clearly marked?	YES

2. WATER SUPPLIES:

a) Was a flow test done?	YES
b) Was water flowed from the hydrant for a minimum time of one minute with the valve fully open?	YES
c) Was the water free of debris?	YES
d) Type of water supply?	City Water Supply

3. FIRE HYDRANTS:

a) Was the hydrant valve found?			YES
b) Was the hydrant valve open?			YES
c) Did the fire hydrant open & operate properly?			YES
d) Was the bonnet "O " ring lubricated?			YES
e) Were the outlet caps in place and tight?			YES
f) Was water flowed from the hydrant?			YES
g) Did the water drain from the barrel properly?			YES
h) Was a flow test done?			YES
i) The static pressure was?			**72**
k) The pitot reading from an engineered playpipe was	**12**	Using an outlet size of	**2.5**
l) The USGPM results are?			**581**

4. Listed are recent changes in the building occupancy or fire protection equipment:

NONE

5. The following are corrections made at the time of inspection:

NONE

6. The following items are deficient as per The Ontario Fire Code and need to be corrected immediately:

NONE

The certificate of inspection cannot be issued until all items under section #7 have been completed.

7. The following items are recommendations only.

NONE

NOTE: This inspection/test was performed in accordance with The Ontario Fire Code. This inspection does NOT certify that the fire hydrant installation complies with NFPA, OBC or Ontario Retrofit Reg. #627/92 (an engineer's report would be required to certify this).

LIMITATION OF LIABILITY: It is understood and agreed that the **INSPECTOR** is **NOT** an insurer and is **NOT** warranting or guaranteeing the adequacy, performance or life expectancy of any structure, item, component or system in the building. Further, it is mutually agreed that the maximum amount of joint and several liability the **INSPECTOR** can incur for any error, mistakes, omissions, breach of contract, breach of warrantee, negligent hiring, or any other theory of liability including violation of a statue or consumer protection act is strictly limited to the **FEE PAID** for the inspection report.

As per the requirements of The Ontario Fire Codes, the inspecting company must submit this report to the local Fire Prevention office

Notes:
Hydrant @ back of the property.

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: August 8th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

HOLY FAMILY- 649 MURRAY STREET, WALLACEBURG

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04. THE FIRE HYDRANT HAS ALSO BEEN INSPECTED AT THIS LOCATION.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Martin Archibald	CONFIRMED BY:	Jim Anderson
CFAA #:	19-992091		
FA. REP'S TECH:	Kevin Bury	DATED:	August 24th, 2016
CFAA #:	19-995199		

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
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FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: July 11th, 2016

Building Name: Holy Rosary

Address: 715 London Road, Wyoming

Security/Fire Alarm Panel [Make / Model]: Edwards EST Quickstart

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm Systems	√		
E	The fire alarm system documentation is on site and includes a description of the system		√	
F	The fire alarm system is fully functional		√	
G	The fire alarm system has deficiencies noted on the attached pages	√		
H	Comments:			
I	A copy of this report has been given to: Paul Lernout- SCCDSB Who is the: Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Alban Berisha

CFAA #: 19-996382

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

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CANADIAN FIRE ALARM ASSOCIATION

FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation:	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates	√		
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]	√		
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre	√		
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	Damar -Rams 114869
	Phone Number	(800) 865-7562

ANDERSON'S ELECTRONICS Inc.

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Boiler Room 109
Control unit or transponder identification	EST

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Boiler Room 109
Circuit breaker or disconnect means location	Boiler Room 109

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.	√		
Battery voltage not less than 85% of its rated capacity after tests completed			

Battery manufacturer and part number		DSW12-18
Battery manufacturer's date code or ins service date	Date	2010
Battery Voltage (main power supply 'ON') is	Voltage	27.26
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.40
	Current (A)	0.43
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	24.70
	Current (A)	1.82
The charging current is	Current (mA)	0.45

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test;			√
(iv) A battery capacity meter test; or	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity.	AH	18
Record the battery terminal voltage after tests are completed.	VDC	26.80

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 24 x 0.43 + 0.91= 11.23

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory input zone clearly indicated and separately designated			√
Individual alarm and supervisory input zone designation labels are properly identified			√
Common trouble signal operates			√
Visual indicator test (lamp test) operates			√
Displays are visible in the installed location			√
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements			√
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power			√

Annunciator or remote trouble signal unit location	
Annunciator or remote trouble signal unit identification	

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates	√		
Individual alarm and supervisory zone indication operates (see exception)	√		
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)	√		
Specify method of confirmation: ***Both***	√		
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation	√		
Input wiring from control unit or transponder is supervised	√		
Alarm signal silence visual indicator operates.	√		
Switches for ancillary functions operate as per design and specification.	√		
Individual alarm and supervisory input zone designation labels are properly identified.	√		
Common trouble signal operates.	√		
Visual indicator test (lamp test) operates.	√		
Displays are visible in the installed location.	√		
Operates on emergency power	√		
Manual activation of alarm signal and indication operates.	√		
Other ancillary functions visual indicators operates.	√		

Annunciator or sequential display locations	Front Entrance
Annunciator or sequential display identification	EST

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√
Remote trouble signal unit locations			
Remote trouble signal unit identification			

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√
Printer Location			
Printer Identification			

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√
Control Unit or Transponder Location			
Control Unit or Transponder Identification			
Data Communication link identification			

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm, Trouble, Supervisory)	√		
Door Holders	√		
Fan Shutdown	√		

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 11th, 2016

Address: 715 London Road, Wyoming Building Name: Holy Rosary

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Front Entrance	ANN	√		√					
Front Entrance	M	√		√		1			126
Front Entrance	H/S	√		√		S-1			EOL
Front Entrance	S (SIGA)	√		√		1			002
Rm 101	H	√		√		S-2			
Rm 101/ Work Rm.	RHT	√		√		1			003
Rm 102	H	√		√		S-2			
Hall By 107	H/S	√		√		S-1			
105	H	√		√		S-2			
107	H	√		√		S-2			
Hall By Boys Washroom	S (SIGA)	√		√		1			005
Mech. Rm. 109	H/S	√		√		S-1			
Mech. Rm. 109	RHT	√		√		1			
Boiler Room	H/S	√		√		S-1			
Boiler Room	RHT	√		√		1			007
Gym Stage	RHT	√		√		1			009
Gym Storage By 113B	RHT	√		√		1			011
Gym Exit 113B	M	√		√		1			127
Gym Under Stage	RHT	√		√		1			010
Gym Stage	H/S	√		√		S-1			
Gym West	H/S	√		√		S-1			
Gym East	H/S	√		√		S-1			
Hall By 104	H/S	√		√		S-1			
Hall By 103	S (SIGA)	√		√		1			008

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 11th, 2016

Address: 715 London Road, Wyoming Building Name: Holy Rosary

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Class 104	H	√		√		S-2			
Class 106	H	√		√		S-2			
Class 106 (Library)	RHT	√		√		1			001
Hall By 106	H/S	√		√		S-1			
Hall By 106 to Gym	S (SIGA)	√		√		1			012
Servery Rm 115 Front (Staff RM)	RHT	√		√		1			014
Servery Rm 115 Rear (Rm 107A)	RHT	√		√		1			013
Servery Rm 115 Rear	M	√		√		1			128
Servery 115	H	√		√		S-2			
Hall By 115 (Staff Rm)	S (SIGA)	√		√		1			015
Rm 117	H	√		√		S-2			
Rm 108	H	√		√		S-2			
Rm 108	SA (110V)	√		√				2011	Not wired to Fire Panel
Corner by 106 (108)	S (SIGA)	√		√		1			016
Hall By 119	H/S	√		√		S-1			
PortaPak NW Exit	M	√		√		2			129
PortaPak By Rm. 121	S (SIGA)	√		√		2			021
Rm 121	H	√		√		S-2			
Rm 121	RHT	√		√		2			022
Rm 123	RHT	√		√		2			024
Custodian Rm/ Water Rm 123A	RHT	√		√		2			023
Rm 110	H	√		√		S-2			
Rm 112	H	√		√		S-2			
Hall By 110	H/S	√		√		S-1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 11th, 2016

Address: 715 London Road, Wyoming Building Name: Holy Rosary

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Hall By 110/129 (T102)	S (SIGA)	√		√		2			025
Rm 129	H	√		√		S-2			
By Room 129	M	√		√		2			130
Room 129	SA (110V)	√		√				2011	Not wired to Fire Panel

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING
INDIVIDUAL DEVICE RECORD

Date: July 11th, 2016

Building Name: Holy Rosary Address: 715 London Road, Wyoming

LOCATION	MODEL #	BATTERY	#	A	B	C	D	REMARKS
Mech. Room 109	SLD 24720	(2) STD-12V32AH (15)	10	27.61	3:47	1.36		
Porta Pak NW Door	SLC 636	Standard 6V5 (15)	2	6.98	3:46	0.24		
Porta Pak Hall @ 125	SLC 636	Standard 6V5 (15)	2	6.94	3:46	0.25		
Gym Storage	SLD 24720	(2) STD-12V35AH (14)	8	13.43	3:45	0.98		

#- Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

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FIRE ALARM & EMERGENCY LIGHTING
REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
1	Edwards EST Quickstart	FA Panel	Replace batteries w/(2) Enersys NP18-12	07/11/2016
	Emergency Lighting			
	Repairs not Required			

Additional Comments:

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: July 11th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BD.

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

HOLY ROSARY, 715 LONDON STREET, WYOMING

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS ALSO COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Alban Berisha	CONFIRMED BY:	Jim Anderson
CFAA #:	19-996382		
FA. REP'S TECH:	Alban Berisha	DATED:	July 11th, 2016
CFAA #:	19-996382		

ANDERSON'S ELECTRONICS Inc.

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FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: July 8th, 2016

Building Name: Holy Trinity

Address: 60 Lorne Crescent, Sarnia

Security/Fire Alarm Panel [Make / Model]: Edwards EST Quickstart 4

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm System	√		
E	The fire alarm system documentation is on site and includes a description of the system		√	
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages		√	
H	Comments: *Repairs not Required			
I	A copy of this report has been given to: St. Clair Catholic District School Board Who is the; Owner [X] or Owner's Representative [ ] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Alban Berisha

CFAA #: 19-996382

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

ANDERSON'S ELECTRONICS Inc.

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FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]	√		
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre	√		
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	DAMAR- 114623- Tigers
	Phone Number	(800) 265-7562

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Room 153
Control unit or transponder identification	EST

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Room 153
Circuit breaker or disconnect means location	Room 105A

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed		√	

Battery manufacturer and part number		FACP -Enersys NP18-12	Booster- Enersys NP7-12
Battery manufacturer's date code or ins service date	Date	2015	2015
Battery Voltage (main power supply 'ON') is	Voltage	27.30	26.89
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.59	25.79
	Current (A)	0.13	0.27
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	24.78	25.66
	Current (A)	2.620	0.95
The charging current is	Current (mA)	0.99	0.30

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	FACP - 18	Booster- 7
Record the battery terminal voltage after tests are completed.	VDC	26.9	26.6

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): FACP=7.79 Booster=3.345

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory input zone clearly indicated and separately designated			√
Individual alarm and supervisory input zone designation labels are properly identified			√
Common trouble signal operates			√
Visual indicator test (lamp test) operates			√
Displays are visible in the installed location			√
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements			√
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power			√

Annunciator or remote trouble signal unit location	N/A
Annunciator or remote trouble signal unit identification	N/A

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates	√		
Individual alarm and supervisory zone indication operates (see exception)	√		
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)	√		
Specify method of confirmation:	√		
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation	√		
Input wiring from control unit or transponder is supervised	√		
Alarm signal silence visual indicator operates.	√		
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.	√		
Common trouble signal operates.	√		
Visual indicator test (lamp test) operates.	√		
Displays are visible in the installed location.	√		
Operates on emergency power	√		
Manual activation of alarm signal and indication operates.	√		
Other ancillary functions visual indicators operates.	√		

Annunciator or sequential display locations	Main Entrance
Annunciator or sequential display identification	EST

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√

Remote trouble signal unit locations	N/A
Remote trouble signal unit identification	N/A

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√

Printer Location	N/A
Printer Identification	N/A

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)	√		
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or	√		
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√

Control Unit or Transponder Location	N/A
Control Unit or Transponder Identification	N/A
Data Communication link identification	Annun./ Loop 1

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm, Trouble, Supervisory)	√		
Door Holders	√		
Fan Shutdown	√		

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 8th, 2016

Address: 60 Lorne Crescent

Building Name: Holy Trinity

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Main Entrance	Ann.	√		√					
Main Entrance	M	√		√		WEST			126
General Office South 100D	S (Siga PS)	√		√		WEST			001
General Office North 100D	S (Siga PS)	√		√		WEST			002
Front Lobby Southwest - High	S (Siga PS)	√		√		WEST			003
Front Lobby Northwest - High	S (Siga PS)	√		√		WEST			004
Front Lobby Northeast - High	S (Siga PS)	√		√		WEST			005
Front Lobby Southeast - High	S (Siga PS)	√		√		WEST			020
Front of General Office	CR	√		√					
Above Ceiling by W/C 104 - High	S (Siga PS)	√		√		WEST			006
Above Ceiling by Room 108 - High	S (Siga PS)	√		√		WEST			007
Above Ceiling By Gym Lobby-High	S (Siga PS)	√		√		WEST			008
West Hall By Room 110	S (Siga PS)	√		√		WEST			009
Room 107	CR	√		√					
West Hall By Room 114	S (Siga PS)	√		√		WEST			010
Penthouse- Top of Stair	M	√		√					142
Penthouse	S (Siga PS)	√		√		PH			045
Penthouse Main Floor Return	DS	√		√		EAST/ WEST			048
Penthouse Gym Return	DS	√		√		GYM			046
Penthouse W/C Return	DS	√		√		EAST/ WEST			047
West Hall By Room 116	S (Siga PS)	√		√		WEST			011
West Hall By Room 118	S (Siga PS)	√		√		WEST			012
Northwest Exit By 120	M	√		√		WEST			129
North Hall By Room 119	S (Siga PS)	√		√		WEST			013

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 8th, 2016

Address: 60 Lorne Crescent Building Name: Holy Trinity

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
North Hall By Room 124	S (Siga PS)	√		√		WEST			014
North Hall By Room 126	S (Siga PS)	√		√		WEST			017
Room 125 By Kitchen (125A)	S (Siga PS)	√		√		GYM			042
North Hall By Room 128	S (Siga PS)	√		√		WEST			018
Northeast Exit By Room 130	M	√		√		EAST			135
East Hall By Room 132	S (Siga PS)	√		√		EAST			040
East Hall By Room 134	S (Siga PS)	√		√		EAST			038
Storage Room 135	S (Siga PS)	√		√		EAST			035
East Hall By Room 140A	S (Siga PS)	√		√		EAST			032
Room 140E	S (Siga PS)	√		√		EAST			031
Room 140E	M	√		√		EAST			133
East Hall By Room 140B	S (Siga PS)	√		√		EAST			030
East Hall By Room 149	S (Siga PS)	√		√		EAST			029
East Hall By Room 150B	S (Siga PS)	√		√		EAST			027
Room 150E Coat Room	S (Siga PS)	√		√		EAST			028
Room 150E	M	√		√		EAST			132
Room 153 (IT Room)	S (Siga PS)	√		√		EAST			041
Hall By Room 160A	S (Siga PS)	√		√		EAST			026
East Hall By Resource (159)	S (Siga PS)	√		√		EAST			024
Southeast Coat Room 160E	S (Siga PS)	√		√		EAST			025
Southeast Coat Room Exit 160E	M	√		√		EAST			131
Southeast Exit By 159	M	√		√		EAST			130
Southeast Hall By Resource	S (Siga PS)	√		√		EAST			022
South Hall East By Library	S (Siga PS)	√		√		EAST			021
Southwest Hall By Library	S (Siga PS)	√		√		EAST			023

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM- Other Devices

INDIVIDUAL DEVICE RECORD

Date: July 8th, 2016

Address: 60 Lorne Crescent

Building Name: Holy Trinity

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
North Hall By 124	IM	√		√					015
North Hall By 126	IM	√		√					016
Storage Room 135	IM	√		√					033
Storage Room 135	IM	√		√					034
Kitchen	IM	√		√					036
Kitchen	IM	√		√					037
Hall @ 134	IM	√		√					039
Sprinkler Room	IM	√		√					043
Outdoor Storage Room	IM	√		√					044
Penthouse	IM	√		√					049
Penthouse	IM	√		√					050
Kitchen	CR	√		√					134
Booster Trouble	CTI	√		√					149

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 8th, 2016

Address: 60 Lorne Crescent

Building Name: Holy Trinity

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS/REPAIRS
Hall By 160A	H/S	√		√		2			
Kindergarten 160A Coat Room	H/S	√		√		2			
Kindergarten 160A	H/S	√		√		1			
Hall @ F/A Room	H/S	√		√		1			
Room 150A	H/S	√		√		1			
150A Coat Room	H/S	√		√		2			
Hall By 140B	H/S	√		√		2			
Room 140A	H/S	√		√		1			
Room 140 Coat Room	H/S	√		√		2			
Hall By 135	H/S	√		√		1			
Hall By 132	H/S	√		√		2			
Hall By 128	H/S	√		√		1			
Hall By 124	H/S	√		√		2			
125 (Stage East)	H/S	√		√		2			
Gym Stage West	H/S	√		√		1			
Hall By 118	H/S	√		√		1			
Hall By 114	H/S	√		√		2			
Penthouse East	H/S	√		√		2			
Penthouse West	H/S	√		√		1			
Hall By 108	H/S	√		√		1			
Hall By Staff Room	H/S	√		√		2			
Gym Southwest	H/S	√		√		2			
Gym Northwest	H/S	√		√		2			
Gym Northeast	H/S	√		√		1			
Gym Southeast	H/S	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 8th, 2016

Address: 60 Lorne Crescent

Building Name: Holy Trinity

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Staff Room	H/S	√		√		1			
Front Entrance	H/S	√		√		1			
Hall By Library	H/S	√		√		2			
Library West	H/S	√		√		1			
Library East	H/S	√		√		2			
Hall By Library	H/S	√		√		1			
At Fire Alarm Control Panel	EOL	√		√		1			
At Fire Alarm Control Panel	EOL	√		√		2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM- Sprinkler

INDIVIDUAL DEVICE RECORD

Date: July 8th, 2016

Address: 60 Lorne Crescent

Building Name: Holy Trinity

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS/REPAIRS
Main Tree SV.1	ESV	√				12	√		141
Main Tree SV.2	ESV	√				11	√		140
East Sprinkler	ESV	√				10	√		139
West Sprinkler	ESV	√				9	√		138
East Sprinkler	FS	√		√		6			137
West Sprinkler	FS	√		√		5			136
Penthouse Supply Valve #3	ESV	√				13	√		146
Penthouse SV 2.1	ESV	√				14	√		147
Gym Sprinkler Valve 1-3	ESV	√				15	√		148
Penthouse Sprinkler	FS	√		√		7			144
Gym Sprinkler Flow	FS	√		√		8			145

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: July 8th, 2016

Address: 60 Lorne Crescent

Building Name: Holy Trinity

#	LOCATION	MODEL #	BATTERY	A	B	C	D	REMARKS
1	Storage Room 135	RG12S250	(4) PA-6V12 (14)	13.86	3:15			Panel D
2	Room 125B Stage Storage	RG12S250	(4) PA-6V12 (14)	14.01	3:15			Panel C
3	Penthouse (ST 1.1)	RG12S250	(4) PA-6V12 (14)	13.49	3:15			Panel M4
4	Custodian Room 115	RG12S250	(4) PA-6V12 (15)	13.78	3:15			Panel E
5	Staffroom By Washrooms 106	RG12S250	(4) PA-6V12 (15)	13.72	3:15			Panel A
6	Elect. Rm 105A @ Front Door	RG12S250	(4) PA-6V12 (15)	14.00	3:15			Panel A
7	Room 140E	SLER4520MT	(2) PA-6V12 (15)	13.87	3:15			DP2
8	Room 150E	SLER4520MT	(4) PA-6V12 (15)	13.95	3:15			DP2
9	Room 160E	SLER4520MT	(4) PA-6V12 (15)	13.89	3:15			DP2
	Panel Locations							
	By 135-Panel D 54							
	By 125B- Panel C 60							
	Rm 115- Panel E 10							
	Penthouse-Panel M4 7							
	Rm 105A-Panel A 46/1							
	Penthouse-Panel DP2							

A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Requires Service, Repairs, Missing
D- Repairs Completed

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FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
	Repairs Not Required			
	Emergency Lighting			
	Repairs Not Required			
	Sprinkler System & Fire Hydrant			
	Repairs Not Required			

Additional Comments:

ANDERSON'S ELECTRONICS Inc.

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
IM/ISO	Isolator Module
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

C&H FIRE SUPPRESSION SYSTEMS INC.

183 Exeter Road, Unit A
London, Ontario
PHONE (519) 652-5086
FAX (519) 652-8719

Fire Suppression Inspection Report

Report To:	**Anderson's Electronic's**	Location:	**Holy Trinity**
Building Occupancy Type:	**Institutional**	Hazard:	**Light & Ordinary**
Address:	**60 Lorne Cres.,**	Inspector:	**T.Neves**
City/Province:	**Sarnia** **Ontario**	Date:	**July 8, 2016**

Where used in this report, **N/A** means not applicable
Deficiencies involving the issuance of a Certificate Of Compliance will be answered with a **"NO"** and addressed in section #15

1. GENERAL:

a) Is the building occupied according to information furnished by the owner?	YES
b) Is the occupancy the same as the previous inspection according to information supplied by owner?	YES
c) Are all systems in service?	YES
d) Are all systems the same as the last inspection according to information from the owner?	YES
e) Is the building completely sprinklered?	YES
f) Are all areas accessed in the building properly protected?	YES
g) Is all storage and stock below sprinkler piping?	YES
h) Has the building been free of fires since the last inspection?	YES
i) Where there are wet systems, is the building properly heated to prevent the pipes from freezing?	YES

2. CONTROL VALVES:

a) Are all main control valves open?	YES
b) Are all valves in good condition?	YES
c) Are all valves sealed or supervised?	SUPERVISED
d) Did the electronic supervisory switches operate?	YES

3. WATER SUPPLIES:

a) Was a flow test done using a 2" drain?	(1-1/4"	YES
b) The static pressure was?		58
c) The residual pressure was?		48
d) Type of water supply?		MUNICIPAL
e) Does the fire protection incoming water supply have a backflow preventor?		YES
f) Has the backflow preventor been tested for cross contamination?		NO

4. TANKS, PUMPS & SIAMESE:

a) Are siamese connections in good condition, couplings spin freely, caps in place and ball drips open? (Chrome)	Yes

5. FIRE HYDRANTS:

a) Was the hydrant road box valve found?	YES
b) Does the hydrant road box valve appear to be open?	YES
c) Did the fire hydrant open & operate properly?	YES
d) Was the bonnet "O " ring lubricated?	YES
e) Were the outlet caps in place and tight?	YES
f) Was water flowed from the hydrant?	YES
g) Did the water drain from the barrel properly?	Yes
h) Was a flow test done?	YES

Hydrant # 1:

i) The static pressure was?			**68**
j) The pitot reading from an engineered playpipe was	**34**	Using an outlet size of	2.5
k) The USGPM results are?			**978**

6. WET SYSTEMS:

# of wet systems: Make & Model: **Valve & flow switches**

a) Are alarm valves in good condition?	N/A
b) Are the flow switches working and in good condition?	YES
c) Did the water motor gong test satisfactorily?	N/A
d) Are the low pressure switches working and in good condition?	N/A
e) The low pressure switch operates at?	N/A
f) Is the excess pressure pump functional?	N/A
g) Is the valve trimmed properly?	N/A
h) The operation of the excess pressure pump is?	N/A
i) The excess pressure pump automatically starts at?	N/A
j) The excess pressure pump automatically stops at?	N/A

7. DRY SYSTEMS: N/A

8. ANTI-FREEZE SYSTEMS: N/A

9. SPECIAL SYSTEMS: N/A

10. STANDPIPE SYSTEMS: N/A

11. SPRINKLERS & PIPING:

a) Are all sprinklers in good condition, free from obstruction, corrosion and loading?		Yes
b) Are the sprinklers less than 50 years old?	(2009)	Yes
c) Are there spare sprinklers and a wrench in the head cabinet?		Yes
d) Is the condition of the piping, drain valves, hangers and gauges in good condition?		Yes
e) Have the sprinklers been checked for the proper temperature rating in various locations where possible?		Yes

12. CONTROL VALVES & DEVICE LIST:

Zone or Location	Device	Supplies	Condition
Rm 105A	4" BF Valve	Backflow Incoming	Operational
Rm 105A	4" BF Valve	Backflow Discharge	Operational
Rm 105A	4" Backflow	Sprinkler System	-
Rm 105A	2-1/2" B.Fly Valve	East Sprinklers	Operational
Rm 105A	2-1/2" Flow Switch	East Sprinklers	Operational
Rm 105A	3" B.Fly Valve	West Sprinklers	Operational
Rm 105A	3" Flow Switch	West Sprinklers	Operational
Stairwell 1.1	3" B.Fly Valve	Main-Gym&Mech Rm	Operational
Mech.Rm.	3" B.Fly Valve	Mech. Rm. Sprinklers	Operational
Mech.Rm.	3" Flow Switch	Mech. Rm. Sprinklers	Operational
Mech.Rm.	2-1/2" B.Fly Valve	Gym Sprinklers	Operational
Mech.Rm.	2-1/2" Flow Switch	Gym Sprinklers	Operational

13. LISTED ARE RECENT CHANGES IN THE BUILDING OCCUPANCY OR FIRE PROTECTION EQUIPMENT:

NONE

14. THE FOLLOWING ARE CORRECTIONS MADE AT THE TIME OF INSPECTION:

NONE

15. DEFICIENT ITEMS:

NONE

The above items are deficient as per The Ontario Fire Code and need to be corrected immediately. A certificate of inspection cannot be issued until all items under section #15 have been addressed. Consultation with the local fire prevention office is suggested, if discrepancies occur

16. THE FOLLOWING ITEMS ARE RECOMMENDATIONS ONLY:

NONE

17. FITTERS NOTES:

*Hydrants drain VERY slow.

NOTE: This inspection/test was performed in accordance with The Ontario Fire Code. This inspection does **NOT** certify that the sprinkler system installation complies with NFPA, OBC or Ontario Retrofit Reg. #627/92 (an engineer's report would be required to certify this).

• ***LIMITATION OF LIABILITY:*** *It is understood and agreed that the* ***INSPECTOR*** *is* ***NOT*** *an insurer and is* ***NOT*** *warranting or guaranteeing the adequacy, performance or life expectancy of any structure, item, component or system in the building. Further, it is mutually agreed that the maximum amount of joint and several liability the* ***INSPECTOR*** *can incur for any error, mistakes, omissions, breach of contract, breach of warrantee, negligent hiring, or any other theory of liability including violation of a statute or consumer protection act is strictly limited to the* ***FEE PAID*** *for the inspection report.*

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: July 8th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

HOLY TRINITY- 60 LORNE CRESCENT, SARNIA

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04. THE FIRE HYDRANT AND SPRINKLER SYSTEM HAVE ALSO BEEN INSPECTED AT THIS LOCATION.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Alban Berisha	CONFIRMED BY:	Jim Anderson
CFAA #:	19-996382		
FA. REP'S TECH:	Alban Berisha	DATED:	July 8th, 2016
CFAA #:	19-996382		

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: August 18th, 2016

Building Name: Monsignor John Uyen

Address: 255 Lark St, Chatham

Security/Fire Alarm Panel [Make / Model]: Edwards 6616

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm System	√		
E	The fire alarm system documentation is on site and includes a description of the system		√	
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages	√		
H	Comments: * All repairs completed during inspection			
I	A copy of this report has been given to: Paul Lernout - SCCDSB Who is the; Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Martin Archibald

CFAA #: 19-992091

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

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FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre			√
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	DAMAR- 883328 Tigercats
	Phone Number	(519) 336-7111

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Electrical Room off Boiler Room
Control unit or transponder identification	EST

ANDERSON'S ELECTRONICS Inc.

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		
Control unit or transponder location	Electrical Room off Boiler Room		
Circuit breaker or disconnect means location	Electrical Room off Boiler Room		

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		(2) Enersys NP18-12B
Battery manufacturer's date code or ins service date	Date	2013
Battery Voltage (main power supply 'ON') is	Voltage	26.40
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.60
	Current (A)	0.158
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.30
	Current (A)	1.661
The charging current is	Current (mA)	451

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	15
Record the battery terminal voltage after tests are completed.	VDC	25.90

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 4.64

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates	√		
Individual alarm and supervisory input zone clearly indicated and separately designated	√		
Individual alarm and supervisory input zone designation labels are properly identified	√		
Common trouble signal operates	√		
Visual indicator test (lamp test) operates	√		
Displays are visible in the installed location	√		
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements	√		
Alarm signal silence visual indicator operates	√		
Switches for ancillary functions operate as per design and specification.	√		
Other Ancillary functions visual indicators operates	√		
Manual activation of alarm signal and indication operates	√		
Operates on emergency power	√		

Annunciator or remote trouble signal unit location	Front Entrance
Annunciator or remote trouble signal unit identification	EST

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	N/A
Annunciator or sequential display identification	N/A

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√
Remote trouble signal unit locations	N/A		
Remote trouble signal unit identification	N/A		

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√
Printer Location	N/A		
Printer Identification	N/A		

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	√
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√
Control Unit or Transponder Location	N/A		
Control Unit or Transponder Identification	N/A		
Data Communication link identification	N/A		

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm)	√		
Doorholders	√		
			√

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 18th, 2016

Building Name: Monsignor John Uyen Address: 255 Lark Street, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Gym Exit East	M	√		√		1			
Gym Left	RHT	√		√		1			Mech. Tested
Gym Left	B	√		√		S-2			EOL
Girl's Change Room	RHT	√		√		1			
Girls Change Room	B	√		√		S-2			
Gym Exit to Hall 103	M	√		√		1			
Gym Storage 103A	RHT	√		√		1			
Boys Change Room 105	RHT	√		√		1			
Boys Change Room	B	√		√		S-2			
Gym Right	B	√		√		S-2			
Gym Right Storage to Outside	HT	√		√		1			
Gym Right Exit at Storage #16	M	√		√		1			
Gym Stage	RHT	√		√		1			Mech. Tested
Hall By Gym 1	B	√		√		S-2			
Front Entrance	M	√		√		1			
Secretary's Office 100	RHT	√		√		1			
Principal's Office 102	RHT	√		√		1			
Conference Room 104	RHT	√		√		1			
Hall By Principal	B	√		√		1			
East Exit Out Gym	M	√		√		1			
Hall By Staff Room	B	No Longer Installed				S-1	No Longer Installed		
Staff Room	RHT					1			
Hall By Store Room	B					S-1			
In Store Room	RHT					2			
In Store Room	B					S-1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 18th, 2016

Building Name: Monsignor John Uyen Address: 255 Lark Street, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Staff Room 116	RHT	√		√		2			
Room 110	RHT	√		√		S-1			EOL
Hall Exit at 106	M	√		√		2			
Room 109	RHT	√		√		S-1			
Room 111	B	√		√		S-2			
Room 111	RHT	√		√		2			EOL
Library Exit To Hall	M	√		√		2			
Library at 127	RHT	√		√		2			High
Library at 136	RHT	√		√		2			High
Library at 132	RHT		X			2			*See Repairs List*
Library at 125	B	√		√		S-4			
Library in 125 Rear Exit	B	√		√		S-4			
Library in 125 Rear Exit	M	√		√		2			
In 127	M	√		√		2			
Custodian Room	RHT		X			2			*See Repairs List*
Boy's Washroom	RHT	√		√		2			
Handicap Washroom	RHT	√		√		2			
Hall at 138	B	√		√		S-4			
Hall Exit at 138	M	√		√		2			
Room 136 Exit	M	√		√		2			
Room 134 Exit	M	√		√		2			
Room 132 Exit	M	√		√		2			
113C Stock Room	RHT	√		√		S-4			
Room 5 Off Library	M	No Longer Installed				2	No Longer Installed		
Room 6 Off Library	M					2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 18th, 2016

Building Name: Monsignor John Uyen Address: 255 Lark Street, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Room off Library 123 Exit	M	√		√		2			
Room off Library 113A	RHT	√		√		2			
Room off Library 113B	RHT	√		√		2			
Room 113 Hall Entrance	M	√		√		2			
Store Room 122	RHT	√		√		1			
Hall By store Room 122	B	√		√		S-3			EOL
Room 124	HT	√		√		1			Elect. Tested
Boiler Room 126	HT	√		√		1			Elect. Tested
Boiler Room Exit 126	M	√		√		1			
Electrical Room 126A	HT	√		√		1			Elect. Tested
Hall By 121	B	√		√		S-3			
Room 121	RHT	√		√		2			
Hall at 119	B	√		√		S-3			
Hall at 121	RHT	√		√		2			
Hall Exit at 121	M	√		√		2			EOL
Room Right 130	RHT	√		√		2			
Room 117 at Washroom	RHT	√		√		2			
117 at Coat Racks	RHT	√		√		2			Elect. Tested

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING
INDIVIDUAL DEVICE RECORD

Date: August 18th, 2016

Building Name: Monsignor John Uyen Address: 255 Lark Street, Chatham

LOCATION	MODEL #	BATTERY	#	A	B	C	D	REMARKS
Gym Exit Left	SPEXS10721	(2) PA-6V4.5 (13)	2	13.88	12:30	.500		
Gym Exit Right	SPEXS10721	(2) Enerwatt 6V4.5 (12)	2	13.60	12:30	.670		
Gym Exit to Hall	SPEXS10721	(2) PA-6V4.5 (14)	3	13.70	12:30	.801		
Main Entrance	SPEXS10721	(2) PA-6V4.5 (12)	3	13.97	12:30	.750		
Hall By Office by Boys W/C	SPEXS10721	(2) Enerwatt 6V4.5 (13)	3	13.75	12:30	.551		
Hall By Principal	SPEXS10721	(2) PA-6V4.5 (09)	2	13.88	12:30	.501	X	*See Repairs List*
Hall By Locker 39	SPEXS10721	(2) Enerwatt 6V4.5 (11)	2	13.76	12:30	.675		
Stage Exit	SPEXS10721	(2) PA-6V4.5 (12)	2	13.56	12:30	.660		
Exit By Stage Exit	SPEXS10721	(2) Enerwatt 6V4.5 (12)	2	13.70	12:30	.781		
Hall By Locker 74	SPEXS10721	(2) PA-6v4.5 (14)	3	13.69	12:30	.980		
Hall By Room 1	SPEXS10721	(2) Enerwatt 6V4.5 (13)	4	13.81	12:30	.741		
Hall By Library	SPEXS10721	(2) Enerwatt 6V4.5 (11)	2	13.65	12:30	.691		
Library Left Exit	SPEXS10721	(2) Enerwatt 6V4.5 (12)	2	13.75	12:30	.801		
Library Left By Theatre	SPEXS10721	(2) PA-6V4.5 (12)	3	13.69	12:30	.767		
Library Rear	SPEXS10721	(2) PA-6V4.5 (09)	2	13.56	12:30	.681	X	*See Repairs List*
Exit By Washroom	SPEXS10721	(2) PA-6V4.5 (15)	2	14.01	12:30	.900		
Library Right By Theatre	SPEXS10721	(2) PA-6V4.5 (14)	3	13.49	12:30	.850		
Library Right Exit	SPEXS10721	(2) PA-6V4.5 (12)	3	13.98	12:30	.775		
Library Room Exit	SPEXS10721	(2) PA-6V4.5 (09)	2	13.75	12:30	.881		
Boiler Room Exit	SPEXS10721	(2) PA-6V4.5 (11)	3	13.81	12:30	.681		
Portapac Hallway Exit	SPEXS10721	(2) Enerwatt 6V4.5 (12)	2	13.78	12:30	.781		
In Store Room	RGC442MTIW	PA-6V7.2 (12)	4	6.88	12:30	.180		

Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

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FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm			
1	Library at 132	RHT	Remounted (1) 5601A Heat Detector	08/18/2016
2	Custodian Room	RHT	Replaced Device w/ (1) 5601A Heat Detector	08/18/2016
	Emergency Lighting			
1	Hall By Principal	SPEXS10721	Replaced Batteries w/ (2) Panasonic PA-6V4.5	08/18/2016
2	Library Rear	SPEXS10721	Replaced Batteries w/ (2) Panasonic PA-6V4.5	08/18/2016

Additional Comments:

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: August 18th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

MONSIGNOR JOHN UYEN- 255 LARK ROAD, CHATHAM

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Martin Archibald	CONFIRMED BY:	Jim Anderson
CFAA #:	19-992091		
FA. REP'S TECH:	Martin Archibald	DATED:	August 18th, 2016
CFAA #:	19-992091		

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FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: July 27th, 2016

Building Name: Our Lady of Fatima Catholic School

Address: 545 Baldoon Road, Chatham

Security/Fire Alarm Panel [Make / Model]: Edwards Quickstart

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm Systems	√		
E	The fire alarm system documentation is on site and includes a description of the system	√		
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages		√	
H	Comments: *Repairs not required at this location.			
I	A copy of this report has been given to: SCCDSB Who is the; Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Martin Archibald

CFAA #: 19-992091

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

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CANADIAN FIRE ALARM ASSOCIATION

FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal			√
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]	√		
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre			√
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	DAMAR- 883329 Falcons
	Phone Number	(519) 336-7111

ANDERSON'S ELECTRONICS Inc.

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Room 150A
Control unit or transponder identification	Edwards EST

ANDERSON'S ELECTRONICS Inc.

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Room 150A
Circuit breaker or disconnect means location	Room 150A

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated	√		
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		Enersys NP7-12
Battery manufacturer's date code or ins service date	Date	2013
Battery Voltage (main power supply 'ON') is	Voltage	26.80
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.80
	Current (A)	0.59
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.00
	Current (A)	0.612
The charging current is	Current (mA)	760

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	7
Record the battery terminal voltage after tests are completed.	VDC	25.8

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): FACP - 6

ANDERSON'S ELECTRONICS Inc.

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Room 150A
Circuit breaker or disconnect means location	Room 150A

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated	√		
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		Enersys NP18-12
Battery manufacturer's date code or ins service date	Date	2013
Battery Voltage (main power supply 'ON') is	Voltage	26.50
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	26.50
	Current (A)	0.970
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.50
	Current (A)	2.70
The charging current is	Current (mA)	1200

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	18
Record the battery terminal voltage after tests are completed.	VDC	25.5

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): Booster- 7.73

ANDERSON'S ELECTRONICS Inc.

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates	√		
Individual alarm and supervisory input zone clearly indicated and separately designated	√		
Individual alarm and supervisory input zone designation labels are properly identified	√		
Common trouble signal operates	√		
Visual indicator test (lamp test) operates	√		
Displays are visible in the installed location	√		
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements	√		
Alarm signal silence visual indicator operates	√		
Switches for ancillary functions operate as per design and specification.	√		
Other Ancillary functions visual indicators operates	√		
Manual activation of alarm signal and indication operates	√		
Operates on emergency power	√		

Annunciator or remote trouble signal unit location	N/A
Annunciator or remote trouble signal unit identification	N/A

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates	√		
Individual alarm and supervisory zone indication operates (see exception)	√		
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)	√		
Specify method of confirmation: Both	√		
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation	√		
Input wiring from control unit or transponder is supervised	√		
Alarm signal silence visual indicator operates.	√		
Switches for ancillary functions operate as per design and specification.	√		
Individual alarm and supervisory input zone designation labels are properly identified.	√		
Common trouble signal operates.	√		
Visual indicator test (lamp test) operates.	√		
Displays are visible in the installed location.	√		
Operates on emergency power	√		
Manual activation of alarm signal and indication operates.	√		
Other ancillary functions visual indicators operates.	√		

Annunciator or sequential display locations	Front Entrance
Annunciator or sequential display identification	EST

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√
Remote trouble signal unit locations	N/A		
Remote trouble signal unit identification	N/A		

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√
Printer Location	N/A		
Printer Identification	N/A		

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)	√		
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√
Control Unit or Transponder Location	150A		
Control Unit or Transponder Identification	EST		
Data Communication link identification	Loop		

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Door Holders	√		
Security (Alarm, Trouble)	√		
			√
			√
			√

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 27th, 2016

Address: 545 Baldoon Road, Chatham Building Name: Our Lady of Fatima

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Main Lobby Exit	M (1)	√		√		2			127
Conference Room (Centre)	RHT	√		√		2			
Conference Room (By Bathroom)	RHT	√		√		2			
Hall By Exit # 7 (Main Entr.)	S	√		√		2			014
Secretary's Desk	RHT	√		√		2			
VP Office	RHT	√		√		2			
Back Hallway off of Main Office	S	√		√		2			018
Back Hallway off of Main Office	H/S	√		√		B			
Principal's Office	RHT	√		√		2			
Storage # 1	RHT	√		√		2			
Health Room	RHT	√		√		2			
Hall By Washroom # 2	H/S	√		√		A			
Hall By Health Room (Corr. 3)	S	√		√		2			020
Hall By Health Room	H/S	√		√		A			
Storage # 3	RHT	√		√		1			
Hall By Storage # 3 (Corr. 11)	S	√		√		1			025
Hall By Storage # 3	H/S	√		√		B			
Study Room By Storage # 3	RHT	√		√		1			
Hall By Boy's W/C (Corr. 11)	S	√		√		1			026
Exit # 2 (Corr. 11)	M (3)	√		√		1			128
Hall By Room 5	H/S	√		√		A			
Hall By Room 4 (Corr. 16)	S	√		√		1			027
Hall By Room 2	H/S	√		√		B			
Hall By Room 2 (Corr. 16)	S	√		√		1			028

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 27th, 2016

Address: 545 Baldoon Road, Chatham Building Name: Our Lady of Fatima

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Exit By Room 2	M (2)	√		√		1			129
Exit By Room 2 (Corr. 16)	S	√		√		1			029
Hall By Boy's Dressing Rm (Corr. 2)	S	√		√		2			013
In Boy's Dressing Room	RHT	√		√		1			
In Girls Dressing Room	RHT	√		√		1			
Hall By Girls Dressing Room	H/S	√		√		A			
Hall By Girls Dressing Rm (Corr. 2)	S	√		√		1			011
Storage 4	RHT	√		√		1			
Hall By Boys Bathroom (Corr 38)	S	√		√		1			037
Exit # 5 (Corr. 45)	M (5)	√		√		1			130
Exit # 5 (Corr. 38)	H/S	√		√		B			
Exit # 5 (Corr. 45)	S	√		√		1			038
Hall By Paper Storage (Corr 38)	S	√		√		1			036
Paper Storage	RHT	√		√		1			
Hall By Chapel/12 (Corr. 32)	S	√		√		1			042
Hall By Chapel/12	H/S	√		√		B			
Chapel	RHT	√		√		1			
Hall By Room 7 (Corr. 42)	S	√		√		1			043
Hall By Room 11	H/S	√		√		A			
Coat Room off Room 9	RHT	√		√		1			
Room 9	H/S	√		√		B			
Hall By Room 9 (Corr. 32)	S	√		√		1			044
Hall By Room 10	H/S	√		√		A			
Hall By Room 10 (Corr. 32)	S	√		√		1			045

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E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 27th, 2016

Address: 545 Baldoon Road, Chatham Building Name: Our Lady of Fatima

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Storage By Exit 4	RHT	√		√		1			
Exit 4 Vestibule 31 Exit	M (4)	√		√		1			131
Library (Right) - Room 40	S	√		√		1			030
Library Resource- Storage 43	DS	√		√		1			033
Library (Left) Rm. 40	S	√		√		1			031
Library	H/S	√		√		A			
French Room off Library	RHT	√		√		1			
Resource off Library	RHT	√		√		1			
Custodians Room	RHT	√		√		2			
Boiler Room	RHT	√		√		2			
Boiler Room	M (6)	√		√		2			126
Boiler Room	H/S	√		√		A			
Electrical Room	RHT	√		√		2			
Hall By Boiler Room- Corr. 53	S	√		√		2			012
Hall By Gym Entrance- Vestibule	S	√		√		2			010
Hall By Exit 9- South Hall	S	√		√		2			043
Hall By Exit 9- West Back Door Exit	M (7)	√		√		2			131
Hall By Exit 9	H/S	√		√		B			
Storage By Exit 9	RHT	√		√		2			
Hall By Prep Room- South Hall	S	√		√		3			042
Prep Room (Front)	RHT	√		√		3			
Prep Room (Rear)	RHT	√		√		3			
Hall By Prep Room (s) South Hall	S	√		√		3			041
Hall By Prep Room	H/S	√		√		B			

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D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 27th, 2016

Address: 545 Baldoon Road, Chatham Building Name: Our Lady of Fatima

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Hall By Room 14 - South Hall	S	√		√		3			040
Storage By Room 14	RHT	√		√		3			
Room 14	H/S	√		√		B			
Room 14 Storage	RHT	√		√		3			
Hall By Custodian Room	S	√		√		3			
Hall By Custodian Room	H/S	√		√		B			
Custodian Room	RHT	√		√		3			
Room 13	H/S	√		√		B			
Room 13 Storage	RHT	√		√		3			
Hall By Room 13- SW Hall	S	√		√		3			034
Hall By Exit 8- SW Hall	S	√		√		3			033
Exit # 8	M (9)	√		√		3			130
Gym	H/S	√		√		A			
Gym	H/S	√		√		B			
Gym (Left)	RHT	√		√		3			
Gym (Right)	RHT	√		√		3			
Equipment Room	RHT	√		√		3			
Exit 6 off Gym	M (8)	√		√		3			126
Gym Stage (Left)	RHT	√		√		3			
Gym Stage (Right)	RHT	√		√		3			
Gym Stage (Far Left)	RHT	√		√		3			
Gym Stage (Far Right)	RHT	√		√		3			
Storage off Gym Stage	RHT	√		√		3			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 27th, 2016

Address: 545 Baldoon Road, Chatham Building Name: Our Lady of Fatima

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Hall By Exit 10 - South Hall	S	√		√		3			031
Hall By Exit 10	H/S	√		√		A			
Hall By Exit 10- South Hall	M (10)	√		√		3			129
Room 15 Storage	RHT	√		√		3			
Hall By Room 15- SE Hall	S	√		√		3			027
Hall By Room 15	H/S	√		√		B			
Health Room	RHT	√		√		3			
Health Room Storage	RHT	√		√		3			
Room 16 Storage	RHT	√		√		3			
Custodian Room	RHT	√		√		3			
Hall By Custodian Room- SE Hall	S	√		√		3			023
Hall By Room 17	H/S	√		√					
Room 17 Storage	RHT	√		√		3			
Hall By Storage	S	√		√		3			022
Storage	RHT	√		√		3			
Room 18 Storage	RHT	√		√		3			
Hall By Room 18- SE Hall	S	√		√		3			019
Hall By Room 18	H/S	√		√					
Hall By Room 19- SE Hall	S	√		√		3			018
Room 19 Storage	RHT	√		√		3			
Room 105	RHT	√		√		4			
Hall By Room 105 (107)	S	√		√		4			012
Storage By 146	RHT	√		√		4			

A- Correctly Installed
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C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04
FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 27th, 2016

Address: 545 Baldoon Road, Chatham Building Name: Our Lady of Fatima

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Room 146- Daycare Room # 2	S	√		√		4			007
Room 146	H/S	√		√		B			
Room 146 Exit- Daycare Room # 2	M	√		√		4			127
Hall By Washroom- Corr 107	S	√		√		4			011
Hall By Washroom	H/S	√		√		B			
Hall By Room 147	H/S	√		√		A			
Room 147- Daycare Room # 1	S	√		√		4			014
By Exit 11- Daycare Foyer	S	√		√		4			015
By Exit 11- Daycare Foyer	M (11)	√		√		4			004
Chapel	DS	√		√		1			0040

A- Correctly Installed
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C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: July 27th, 2016

Address: 545 Baldoon Road, Chatham Building Name: Our Lady of Fatima

LOCATION	MODEL #	BATTERY	RH #	A	B	C	D	REMARKS
Principal's Office (102)	SLC12200	(2) PA-6V12 (14)	2	13.60	10:50	525		Ok
Paper Storage by Chapel (Rm. 142)	SLC12200	(2) NP7-12 (13)	2	13.68	10:55	480		Ok
Board Office								
By Room 158	SLC12200	(2) PA-12V7.2 (08)	2	12.85	11:00	300		Ok
Storage Room 156	SLC12200	(2) NP7-12 (14)	2	13.00	11:00	297		Ok
Storage Room 123	RG 72	PA-6V12 (10)	2	13.95	11:05	280		Ok
Daycare Entrance	SLC12200	(2) NP7-12 (14)	2	6.65	11:05	300		Ok
Boiler Room Exit (Room 150)	8 LMC Combo	CSB 6V4.5 (11)	2	6.60	11:05	295		Ok

RH# - Remote Head
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

ANDERSON'S ELECTRONICS Inc.

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FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
	Repairs Not Required			
	Emergency Lighting			
	Repairs Not Required			

Additional Comments:

ANDERSON'S ELECTRONICS Inc.

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record

183 Exeter Road, Unit A
London, Ontario
PHONE (519) 652-5086
FAX (519) 652-8719

Hydrant Inspection Report

Report To:	**Andersons Electronics**	Location:	**Our Lady of Fatima**
Address:	**545 Baldoon Street**	Inspector:	**T.Neves**
City/Prov:	**Chatham**	Date:	**July 22, 2016**

Where used in this report, N/A means not applicable
Deficiencies involving the issuance of a Certificate Of Compliance will be answered with a "NO" and addressed in section # 6

1. GENERAL:

a) Are the hydrant(s) free from obstructions and accessible?	YES
b) Are the hydrant(s) visible and clearly marked?	YES

2. WATER SUPPLIES:

a) Was a flow test done?	YES
b) Was water flowed from the hydrant for a minimum time of one minute with the valve fully open?	YES
c) Was the water free of debris?	YES
d) Type of water supply?	City Water Supply

3. FIRE HYDRANTS:

a) Was the hydrant valve found?			YES
b) Was the hydrant valve open?			YES
c) Did the fire hydrant open & operate properly?			YES
d) Was the bonnet "O " ring lubricated?			YES
e) Were the outlet caps in place and tight?			YES
f) Was water flowed from the hydrant?			YES
g) Did the water drain from the barrel properly?			No (Slow)
h) Was a flow test done?			YES
i) The static pressure was?			**55**
j) The pitot reading from an engineered playpipe was	**37**	Using an outlet size of	**2.5**
k) The USGPM results are?			**1021**

4. Listed are recent changes in the building occupancy or fire protection equipment:

NONE

5. The following are corrections made at the time of inspection:

NONE

6. The following items are deficient as per The Ontario Fire Code and need to be corrected immediately:

NONE

The certificate of inspection cannot be issued until all items under section #6 have been completed.

7. The following items are recommendations only.

NONE

NOTE: This inspection/test was performed in accordance with The Ontario Fire Code. This inspection does NOT certify that the fire hydrant installation complies with NFPA, OBC or Ontario Retrofit Reg. #627/92 (an engineer's report would be required to certify this).

LIMITATION OF LIABILITY: It is understood and agreed that the **INSPECTOR** is **NOT** an insurer and is **NOT** warranting or guaranteeing the adequacy, performance or life expectancy of any structure, item, component or system in the building. Further, it is mutually agreed that the maximum amount of joint and several liability the **INSPECTOR** can incur for any error, mistakes, omissions, breach of contract, breach of warrantee, negligent hiring, or any other theory of liability including violation of a statue or consumer protection act is strictly limited to the **FEE PAID** for the inspection report.

As per the requirements of The Ontario Fire Codes, the inspecting company must submit this report to the local Fire Prevention office

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: **July 27th, 2016**

PROPERTY OWNED/MANAGED BY: **ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD**

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

OUR LADY OF FATIMA- 545 BALDOON ROAD, CHATHAM

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04. THE FIRE HYDRANT HAS ALSO BEEN INSPECTED AT THIS LOCATION.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Martin Archibald	CONFIRMED BY:	Jim Anderson
CFAA #:	19-992091		
FA. REP'S TECH:	Martin Archibald	DATED:	July 27th, 2016
CFAA #:	19-992091		

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: July 25th, 2016

Building Name: St. Agnes

Address: 55 Croyden Street, Chatham

Security/Fire Alarm Panel [Make / Model]: Mircom FA-102

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm System	√		
E	The fire alarm system documentation is on site and includes a description of the system		√	
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages			√
H	Comments: * All repairs completed during inspection			
I	A copy of this report has been given to: Paul Lernout Who is the; Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Alban Berisha

CFAA #: 19-996582

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

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FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal			√
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre			√
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre			√
Record the name and telephone number of the fire signal receiving centre	√		

	Name	DAMAR- 883331 Gators
	Phone Number	1 (800) 265-7562

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Main Entrance
Control unit or transponder identification	Mircom FA-102

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Main Entrance
Circuit breaker or disconnect means location	Breaker in Room 1094 off of Room 109

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		(2) Enersys NP7-12
Battery manufacturer's date code or ins service date	Date	2012
Battery Voltage (main power supply 'ON') is	Voltage	26.68
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.56
	Current (A)	80.00
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.20
	Current (A)	480.00
The charging current is	Current (mA)	240

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test;			√
(iv) A battery capacity meter test; or	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity.	AH	7
Record the battery terminal voltage after tests are completed.	VDC	25.60

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 2.16

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory input zone clearly indicated and separately designated			√
Individual alarm and supervisory input zone designation labels are properly identified			√
Common trouble signal operates			√
Visual indicator test (lamp test) operates			√
Displays are visible in the installed location			√
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements			√
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power			√

Annunciator or remote trouble signal unit location	N/A
Annunciator or remote trouble signal unit identification	N/A

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	N/A
Annunciator or sequential display identification	N/A

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√
Remote trouble signal unit locations	N/A		
Remote trouble signal unit identification	N/A		

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√
Printer Location	N/A		
Printer Identification	N/A		

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√
Control Unit or Transponder Location	N/A		
Control Unit or Transponder Identification	N/A		
Data Communication link identification	N/A		

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Door Holders (x 3)	√		
Tie to Security	√		

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 25th, 2016

Building Name: St. Agnes Address: 55 Croyden Street, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS/REPAIRS
Staff Room	RHT	√		√		1			
Conference Room	RHT	√		√		1			
Principal's Office	RHT	√		√		1			
Secretary's Office	RHT	√		√		1			
Hall By Office	M	√		√		1			
Electrical Room	HT	√		√		1			Elec. Test
Sink Room	HT	√		√		1			Elec. Test
Hall By Room 107	B	√		√		NAC-1			
Hall By Room 4	M	√		√		1			
Boiler Room	HT	√		√		1			Elec. Test
Boiler Room Exit	M	√		√		1			
Custodian Room	RHT	√		√		1			
By Room 118	B	√		√		NAC-1			
Storage off Boy's Washroom	HT	√		√		1			Elec. Test
Workroom	RHT	√		√		1			
By Room 117	B	√		√		NAC-1			
East Exit	M	√		√		1			
Media Centre- Front	RHT	√		√		1			
Media Centre- Centre	RHT	√		√		1			
Media Centre- Rear	RHT	√		√		1			High- Ladder
Media Centre	B	√		√		NAC-1			
Media Centre Office 1/Conference	RHT	√		√		1			
Resource Centre	HT	√		√		1			Elec. Test
Hall By Resource Centre	DH	√		√					(Door Holders)
Hall By Change Rm	M	√		√		1			
Hall By Change Rm	M	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 25th, 2016

Building Name: St. Agnes Address: 55 Croyden Street, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS/REPAIRS
Hall By Change Rm	B	√		√		NAC-1			
Lawnmower Storage	HT	√		√		1			Elec. Test
Infirmary	RHT	√		√		1			
Boys Change Room	RHT	√		√		1			
Boys Change Room	RHT	√		√		1			
Girls Change Room	RHT	√		√		1			
Hall By Gym	S (C2W BA)	√		√		1			
NW Gym Ceiling	HT	√		√		2			High (Visual)
NE Gym Ceiling	HT	√		√		2			High (Visual)
SE Gym Ceiling	HT	√		√		2			High (Visual)
SW Gym Ceiling	HT	√		√		2			High (Visual)
Gym NW	B	√		√		NAC-1			
Gym SE	B	√		√		NAC-1			
Gym Exit Out	M	√		√		2			
Exit By Stage	M	√		√		2			
Stage	HT	√		√		2			High (Visual)
Gym Storage	HT	√		√		2			High (Visual)
Under Gym Stage L	RHT	√		√		2			Caged
Under Gym Stage R	RHT	√		√		2			Caged
Above Ceiling @ FACP	AUX	√		√		NAC-1			
Hall By Rm 107	DH	√		√					
Entrance to Gym Rm 122	DH	√		√					
Hall By Media 119	S (C2W BA)	√		√		2			
Hall By Media 121	S (C2W BA)	√		√		2			
Hall By Media 107	S (C2W BA)	√		√		1			
Hall By Media 109	S (C2W BA)	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: July 25th, 2016

Building Name: St. Agnes Address: 55 Croyden Street, Chatham

LOCATION	MODEL #	BATTERY	RH#	A	B	C	D	REMARKS
By Room 103	RGC 442 MT	PA-6V7.2 (11)	2	7.02	8:56			
By Room 115	RGC 442 MT	PA-6V7.2 (12)	2	6.96	8:54			
Computer Room West	RGC 442 MT	PA-6V7.2 (15)	2	6.96	8:59			
Computer Room South	COM 36	NP 5-12 (10)	4	14.02	8:58			
Resource Office	RGC 44	PA-6V12 (14)	2	6.90	9:02			
Hall By Gym	RG 36	PA-6V12 (10)	3	3.50	9:04		X	*See Repairs List*
Gym Exit To Hall	CLT VRW 36	PA 6V4.5 (09)	2	6.80	9:06		X	*See Repairs List*
Gym Left	CLT VRW 36	PA-6V4.5 (13)	2	3.50	9:08		X	*See Repairs List*
Gym Right	CLT VRW 36	PA-6V4.5 (13)	2	6.89	9:10			
Stage Left	COM 36	(2) PA-6V4.5 (12)	2	14.00	9:12			
Stage Right	COM 36	NP5-12 (13)	2	14.10	9:14			
Boy's Change Room Front	RG 36	UB670 (14)	2	6.80	9:18			
Boy's Change Room Rear	COM 36	(2) PA-6V4.5 (13)	2	11.00	9:16		X	*See Repairs List*
Girl's Change Room Rear	COM 36	(2) NP5-12 (15)	2	14.20	9:20			
Infirmary	RGC 442 MT	PA-6V4.5 (14)	2	6.90	9:22			
Panel E in Gym Stage CC + 1 + 3								
Gym Exit, Left & Right								

A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Requires Service, Repairs, Missing
D- Repairs Completed

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FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
	Repairs Not Required			
	Emergency Lighting			
1	Hall By Gym	RG 36	Replaced Battery w/ (1) Panasonic PA-6V12	07/25/2016
2	Gym Exit To Hall	CLT VRW 36	Replaced Battery w/ (1) Panasonic PA-6V4.5	07/25/2016
3	Gym Left	CLT VRW 36	Replaced Battery w/ (1) Panasonic PA-6V4.5	07/25/2016
4	Boy's Change Room Rear	COM 36	Replaced Batteries w/ (2) Panasonic PA-6V4.5	07/25/2016

Additional Comments:

ANDERSON'S ELECTRONICS Inc.

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: **July 25th, 2016**

PROPERTY OWNED/MANAGED BY: **ST. CLAIR CATHOLIC DISTRICT SCHOOL BD.**

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

ST. AGNES, 55 CROYDON STREET, CHATHAM

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS ALSO COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Albin Berisha	CONFIRMED BY:	Jim Anderson
CFAA #:	19-996382		
FA. REP'S TECH:	Albin Berisha	DATED:	July 25th, 2016
CFAA #:	19-996382		

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: August 19th, 2016

Building Name: St. Anne

Address: 183 Snow Avenue, Blenheim

Security/Fire Alarm Panel [Make / Model]: Edwards 6616

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm Systems	√		
E	The fire alarm system documentation is on site and includes a description of the system		√	
F	The fire alarm system is fully functional		√	
G	The fire alarm system has deficiencies noted on the attached pages	√		
H	Comments: *Repairs completed during inspection.			
I	A copy of this report has been given to: St. Clair Catholic District School Board Who is the: Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Alban Berisha

CFAA #: 19-996382

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

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CANADIAN FIRE ALARM ASSOCIATION

FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre			√
Receipt of the trouble transmission to the fire signal receiving centre			√
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name:	Damar- System # 883332- Stars
	Phone Number:	(519) 336-7111

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Main Entrance
Control unit or transponder identification	EST

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Main Entrance
Circuit breaker or disconnect means location	Room 115A

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		Enersys NP7-12
Battery manufacturer's date code or ins service date	Date	2013
Battery Voltage (main power supply 'ON') is	Voltage	26.52
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.6
	Current (A)	0.24
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.13
	Current (A)	1.52
The charging current is	Current (mA)	0.72

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	7
Record the battery terminal voltage after tests are completed.	VDC	26.40

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 6.52

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory input zone clearly indicated and separately designated			√
Individual alarm and supervisory input zone designation labels are properly identified			√
Common trouble signal operates			√
Visual indicator test (lamp test) operates			√
Displays are visible in the installed location			√
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements			√
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power			√

Annunciator or remote trouble signal unit location	N/A
Annunciator or remote trouble signal unit identification	N/A

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	N/A
Annunciator or sequential display identification	N/A

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√

Remote trouble signal unit locations	N/A
Remote trouble signal unit identification	N/A

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√

Printer Location	N/A
Printer Identification	N/A

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√

Control Unit or Transponder Location	N/A
Control Unit or Transponder Identification	N/A
Data Communication link identification	N/A

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm)	√		
Door Holders	√		
Fan Shutdown	√		

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 19th, 2016

Building Name: St. Anne Address: 183 Snow Ave, Blenheim

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REPAIRS
Daycare									
Electrical Exit	M	√		√		5			
Electrical	HT	√		√		5			Elect. Tested
Kitchen	HT-R	√		√		5			
Kitchen	B	√		√		5-1			
Coat Room	S (1400A)	√		√		5			
Half Day- Front	S (6249C)	√		√		5			
Half Day- Rear	S (C2M PDI)	√		√		5			
Half Day Washroom	RHT	√		√		5			
Half Day Storage	RHT	√		√		5			
Office	S (C2M PDI)	√		√		5			
Front Door	M	√		√		5			
Coat Room	S (6249C)	√		√		5			
Coat Room	M	√		√		5			
Full Day (Rear)	S (C2M PDI)	√		√		5			
Full Day (Front)	S (6249C)	√		√		5			
Full Day Storage	RHT	√		√		5			
Full Day Exit	M	√		√		5			
Full Day W/C #1	RHT	√		√		5			
Half Day	B	√		√		S-2			
Full Day	B	√		√		S-1			
Full Day W/C #2	RHT	√		√		5			
School									
Exit By Mechanical Room # 133	M	√		√		4			
Hall By Mechanical Room # 133	B	√		√		S-2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 19th, 2016

Building Name: St. Anne Address: 183 Snow Ave, Blenheim

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REPAIRS
Hall By Room 136	S (1400A)	√		√		4			
Mechanical Room 134	HT	√		√		4			Elect. Tested
Storage Room 132	RHT	√		√		4			
Hall By Storage Room 132	S (6249C)		X			4			*See Repairs List*
Hall By Classroom 130	S (C2M PDI)	√		√		4			
Hall By Classroom 130	B	√		√		S-2			
Classroom 140	RHT	√		√		4			
Classroom 140	S (C2M PDI)	√		√		4			
Classroom 140	M	√		√		4			
Classroom 140 W/C	RHT	√		√		4			
Classroom 140A Storage	RHT	√		√		4			
Mechanical Room	HT	√		√		4			Elect. Tested
Janitors Room	HT	√		√		4			Elect. Tested
Classroom 135	RHT	√		√		4			EOL
Hall By Classroom 142	S (1400 A)	√		√		4			
Hall By Classroom 142	B	√		√		S-1			
Classroom 142	RHT	√		√		4			
Classroom 142	M	√		√		4			
Classroom 142	S (C2M PDI)	√		√		4			
Classroom 142 Storage	RHT	√		√		4			
Class 142 W/C	RHT	√		√		4			
Girl's W/C 131	RHT	√		√		4			
Boy's W/C 129	RHT	√		√		4			
Hall By Boy's W/C Room 129	B	√		√		S-1			
Storage Room 127	RHT	√		√		4			

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D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 19th, 2016

Building Name: St. Anne Address: 183 Snow Ave, Blenheim

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REPAIRS
Storage Room 127A	HT	√		√		4			Elect. Tested
Storage Room 127A Exit Out	M	√		√		4			
Classroom 122	RHT	√		√		4			
Classroom 125	RHT	√		√		4			
Hall By Classroom 125	S (C2M PDI)	√		√		4			
Hall By Classroom 125 (Doors)	S (C2M PDI)	√		√		4			
Hall By Classroom 120	B	√		√		S-2			
Hall By Classroom 120	S (6249C)	√		√		3			
Classroom 7	RHT	√		√		3			
Classroom 6	RHT	√		√		3			
Hall By Room 118	S (6249C)	√		√		3			
Photography Room 118	RHT	√		√		3			
Chapel Room 121	RHT	√		√		3			
Handicapped W/C 116	RHT	√		√		3			
Chapel Workroom 119	RHT	√		√		3			
Library A Rm 101	RHT	√		√		3			High
Library A Rm 101	B	√		√		S-1			
Library A Rm 101	M	√		√		3			
Library B Rm 101	RHT	√		√		3			High
Library B Rm 101	B	√		√		S-2			
Library B Rm 101	M	√		√		3			
Library Work Room 103	RHT	√		√		3			
Women's W/C In Library Workroom 103B	RHT	√		√		3			
Men's W/C In Library Workroom 103A	RHT	√		√		3			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 19th, 2016

Building Name: St. Anne Address: 183 Snow Ave, Blenheim

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REPAIRS
Lobby	S (6249C)	√		√		3			High
Lobby	M	√		√		3			
Staff Room 114	RHT	√		√		3			
Staff Room 114	B	√		√		S-2			
Staff Storage 114A	RHT	√		√		3			
Office Rm 100	RHT	√		√		3			
V.P. Office Rm 100B	RHT	√		√		3			
Principal's Office Rm 100A	RHT	√		√		3			
Hall By Work Rm 103	B	√		√		S-1			
Class 102	RHT	√		√		3			
Storage Room 105	RHT	√		√		3			
Mechanical Room 105A	M	√		√		3			Elect. Tested
Mechanical Room 105A	HT	√		√		3			
Hall By Class 102	S (C2M PDI)	√		√		3			
Class 107	RHT	√		√		3			
Hall By Class 107	S (C2M PDI)	√		√		3			
Hall By Class 107	B	√		√		S-2			
Hall By Class 109	S (C2M PDI)	√		√		2			
Hall By Class 109	S (6249C)	√		√		2			
Class 109	RHT	√		√		2			
Hall By Class 109	B	√		√		S-1			
Class 104	RHT	√		√		2			
Class 104 Stage Stairs	RHT	√		√		1			
Boy's W/C 111	RHT	√		√		2			
Girl's W/C 113	RHT	√		√		2			
By Gym Exit Outside	M	√		√		2			

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D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 19th, 2016

Building Name: St. Anne Address: 183 Snow Ave, Blenheim

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REPAIRS
By Gym Exit Outside	S (6249C)	√		√		2			High
Change Room 106C	RHT	√		√		2			
Change Room 106D	HT (res)	√		√		2			
Gym Storage 106B	RHT	√		√		1			
Gym	RHT	√		√		1			
Gym	RHT	√		√		1			
Gym	RHT	√		√		1			
Gym	RHT	√		√		1			
Gym Stage	HT	√		√		1			Elect. Tested
Gym Stage	HT	√		√		1			
Gym Stage	HT	√		√		1			Elect. Tested
Gym Storage 106A	RHT	√		√		1			
Gym Exit By 106A	M	√		√		1			
Gym By Time Clock	M	√		√		1			
Gym East	B	√		√		S-1			
Gym 106B	B	√		√		S-2			
Exit By Change Rm	M	√		√		1			EOL
Class 108	RHT	√		√		2			
By Class 108	B	√		√		S-2			EOL
Mechanical Room 115	HT	√		√		2			Elect. Tested
Electrical Room 115A	HT	√		√		2			Elect. Tested
Storage Room 110	RHT	√		√		2			
Receiving Room 110A	HT	√		√		2			Elect. Tested
Receiving Room 110A	M	√		√		2			
Class 117	RHT	√		√		2			

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C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 19th, 2016

Building Name: St. Anne Address: 183 Snow Ave, Blenheim

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REPAIRS
Hall By Class 117	S (6249C)	√		√		2			
Class 112	RHT	√		√		2			
Exit By Class 112	M	√		√		2			
Hall By Class 117	B	√		√		S-1			Elect. Tested
Class 6 Hall	(2) Door Holders	√		√					
Class 10 Hall	(2) Door Holders	√		√					
Hall By Classroom	S (1400A)	√		√		4			
Hall By Classroom 144	B	√		√		S-1			
In Classroom 144	RHT	√		√		4			
Classroom 144	S (1400A)	√		√		4			
Classroom 144 W/C	RHT	√		√		4			
Classroom 144 Storage	RHT	√		√		4			
Classroom 144 Exit	M	√		√		4			
Classroom 139	RHT	√		√		4			
Hall by Classroom 139	S (1400A)	√		√		4			
Hall by Classroom 146	B	√		√		S-1			
Classroom 146	RHT	√		√		4			
Classroom 146	S (1400A)	√		√		4			
Classroom 146 W/C	RHT	√		√		4			
Classroom 146 Storage	RHT	√		√		4			
Classroom 146 Exit	M	√		√		4			
Exit By 146	M	√		√		4			
Class 139	RHT	√		√		4			
Room 124	RHT	√		√		4			
Room 124	HT	√		√		4			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 19th, 2016

Building Name: St. Anne Address: 183 Snow Ave, Blenheim

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REPAIRS
Classroom 146 W/C	RHT	√		√		4			
Classroom 146 Storage	RHT	√		√		4			
Classroom 146 Exit	M	√		√		4			
Exit By 146	M	√		√		4			
Class 139	RHT	√		√		4			
Room 124	RHT	√		√		4			
Room 124	HT	√		√		4			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: August 19th, 2016

Building Name: St. Anne Address: 183 Snow Ave, Blenheim

LOCATION	MODEL #	BATTERY	#	A	B	C	D	REMARKS
Hall By Room 139	12ESL72/2M	(2) PA-6V12 (14)	6	13.39	9:38	0.68		
Mechanical Room 133A	RG 12S360	PA-1233 (15)	6	13.39	9:40	1.03		
Mechanical Room 134	RG 12S360	NP33-12 (14)	6	5.00	9:42	1.04	X	*See Repairs List*
Hall By Mechanical Room 136	12ESL72/2M	(2) PA-6V7.2 (14)	2	13.47	9:44	1.01		
Storage By Room 127A	RG 12S360	PA-1233 (12)	8	13.22	9:46	0.98		
Mech. Storage 105A Unit #4	RG 12S360	PA-1233 (12)	6	13.43	9:48	1.07		
Mech. Storage 105A Unit #5	RG 12S360	PA-1233 (12)	6	13.49	9:50	1.01		
Electrical Room 115A Unit #6	RG 12S360	NP33-12 (15)	6	11.63	9:52	1.02	X	*See Repairs List*
Electrical Room 115A Unit #7	RG 12S360	PA-1233 (12)	6	13.69	9:54	0.98		
Gym Storage 106B	RG 12S360	PA-1233 (12)	10	13.44	9:56	1.03		
Gym Storage 106A	RG 12S360	NP33-12 (15)	7	13.75	9:58	1.00		

Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

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FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm			
1	Hall By Storage Room 132	S (6249C)	Replaced Smoke w/(1) C2W-BA Detector	08/19/2016
	Emergency Lighting			
1	Mechanical Room 134	RG 12S360	Replaced Battery w/ (1) Enersys NP33-12	08/19/2016
2	Electrical Room 115A Unit #6	RG 12S360	Replaced Battery w/ (1) Enersys NP33-12	08/19/2016
	Hydrant Inspection			
	Repairs not Required			

Additional Comments:

ANDERSON'S ELECTRONICS Inc.

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

C&H FIRE SUPPRESSION SYSTEMS INC.

183 Exeter Road, Unit A
London, Ontario
PHONE (519) 652-5086
FAX (519) 652-8719

Hydrant Inspection Report

Report To:	**Andersons Electronics**	Location:	**St. Anne**
Address:	**183 Snow Ave.**	Inspector:	**T.Neves**
City/Prov:	**Blenheim**	Date:	**July 22, 2016**

Where used in this report, N/A means not applicable
Deficiencies involving the issuance of a Certificate Of Compliance will be answered with a "NO" and addressed in section # 6

1. GENERAL:

a) Are the hydrant(s) free from obstructions and accessible?	YES
b) Are the hydrant(s) visible and clearly marked?	YES

2. WATER SUPPLIES:

a) Was a flow test done?	YES
b) Was water flowed from the hydrant for a minimum time of one minute with the valve fully open?	YES
c) Was the water free of debris?	YES
d) Type of water supply?	City Water Supply

3. FIRE HYDRANTS:

a) Was the hydrant valve found?			YES
b) Was the hydrant valve open?			YES
c) Did the fire hydrant open & operate properly?			YES
d) Was the bonnet "O " ring lubricated?			YES
e) Were the outlet caps in place and tight?			YES
f) Was water flowed from the hydrant?			YES
g) Did the water drain from the barrel properly?			YES
h) Was a flow test done?			YES
i) The static pressure was?			**65**
j) The pitot reading from an engineered playpipe was	14	Using an outlet size of	**2.5**
k) The USGPM results are?			**581**

4. Listed are recent changes in the building occupancy or fire protection equipment:

NONE

5. The following are corrections made at the time of inspection:

NONE

6. The following items are deficient as per The Ontario Fire Code and need to be corrected immediately:

NONE

The certificate of inspection cannot be issued until all items under section #6 have been completed.

7. The following items are recommendations only.

NONE

NOTE: This inspection/test was performed in accordance with The Ontario Fire Code. This inspection does NOT certify that the fire hydrant installation complies with NFPA, OBC or Ontario Retrofit Reg. #627/92 (an engineer's report would be required to certify this).

LIMITATION OF LIABILITY: It is understood and agreed that the **INSPECTOR** is **NOT** an insurer and is **NOT** warranting or guaranteeing the adequacy, performance or life expectancy of any structure, item, component or system in the building. Further, it is mutually agreed that the maximum amount of joint and several liability the **INSPECTOR** can incur for any error, mistakes, omissions, breach of contract, breach of warrantee, negligent hiring, or any other theory of liability including violation of a statue or consumer protection act is strictly limited to the **FEE PAID** for the inspection report.

As per the requirements of The Ontario Fire Codes, the inspecting company must submit this report to the local Fire Prevention office

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: August 19th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

ST. ANNE- 183 SNOW AVENUE, BLENHEIM

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04. THE FIRE HYDRANT HAS ALSO BEEN INSPECTED AT THIS LOCATION.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Alban Berisha	CONFIRMED BY:	Jim Anderson
CFAA #:	19-996382		
FA. REP'S TECH:	Alban Berisha	DATED:	August 19th, 2016
CFAA #:	19-996382		

ANDERSON'S ELECTRONICS Inc.

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FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: July 20th, 2016

Building Name: St. Anne

Address: 1000 The Rapids Parkway, Sarnia

Security/Fire Alarm Panel [Make / Model]: Notifier System 5000

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm System	√		
E	The fire alarm system documentation is on site and includes a description of the system	√		
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages		√	
H	Comments: * Repairs not Required			
I	A copy of this report has been given to: Paul Lernout Who is the; Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Kevin Bury

CFAA #: 19-995199

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

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FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre	√		
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	DAMAR- 114653 Gators
	Phone Number	(800) 265-7562

ANDERSON'S ELECTRONICS Inc.

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Electrical Room
Control unit or transponder identification	Notifier System 5000

ANDERSON'S ELECTRONICS Inc.

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Electrical Room
Circuit breaker or disconnect means location	Electrical Room

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		(2) Enersys NP12-12
Battery manufacturer's date code or ins service date	Date	2014
Battery Voltage (main power supply 'ON') is	Voltage	27.50
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.20
	Current (A)	0.364
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	24.90
	Current (A)	1.508
The charging current is	Current (mA)	2150

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	12
Record the battery terminal voltage after tests are completed.	VDC	26.40

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 9.50 Ah

ANDERSON'S ELECTRONICS Inc.

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates	√		
Individual alarm and supervisory input zone clearly indicated and separately designated	√		
Individual alarm and supervisory input zone designation labels are properly identified	√		
Common trouble signal operates	√		
Visual indicator test (lamp test) operates	√		
Displays are visible in the installed location	√		
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements	√		
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power	√		

Annunciator or remote trouble signal unit location	Main Entrance
Annunciator or remote trouble signal unit identification	FCV Systems

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	N/A
Annunciator or sequential display identification	N/A

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√
Remote trouble signal unit locations	N/A		
Remote trouble signal unit identification	N/A		

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√
Printer Location	N/A		
Printer Identification	N/A		

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√
Control Unit or Transponder Location	N/A		
Control Unit or Transponder Identification	N/A		
Data Communication link identification	N/A		

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm)	√		
Fans	√		

ANDERSON'S ELECTRONICS Inc.

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 20th, 2016

Building Name: St. Anne Address: 1000 Rapids Parkway, Sarnia

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
201A	DS (1451A)	√		√		10			EOL
201A	DS (1451A)	√		√		10			
201A	DS (1451A)	√		√		10			EOL
201A	M	√		√		8			EOL
201A	RHT	√		√		8			
201A	H	√		√		S-2			
Stairs By 201A	S (1451A)	√		√		9			EOL
Room 150A	M	√		√		1			
Exit By 147A	M	√		√		1			
By 146A	H	√		√		S-2			
133	M	√		√		5			
133 Electricial Room	S (1451A)	√		√		5			EOL
By 146A	S (2451A)	√		√		1			
By 134	S (2451A)	√		√		1			
By 134	V	√		√		S-2			
By 135	H	√		√		S-2			
Gym Exit	M	√		√		1			
Gym East Wall	H	√		√		S-2			
Gym By 146B	H	√		√		S-2			
Exit By 136	M	√		√		1			
Room 137B	RHT	√		√		7			
Room 137B	M	√		√		7			
By 123	S (2451A)	√		√		2			
In 123A	H	√		√		S-2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1451A	*1.0-2.4 (Mod 400)*
2451A	*0.8-1.56 (Mod 400)*

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 20th, 2016

Building Name: St. Anne Address: 1000 Rapids Parkway, Sarnia

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
By 122A	H	√		√		S-1			
By 122A	V	√		√		S-1			
By 122A	S (2451A)	√		√		2			
Exit By 117	M	√		√		2			
By 117	S (2451A)	√		√		2			
By 115	H	√		√		S-1			
By 131C	S (2451A)	√		√		2			
By D04	H	√		√		S-1			
By D02B	H	√		√		S-1			
D01A	M	√		√		4			
Exit By D02B	S (1400A)	√		√		4			
By D11	H	√		√		S-1			
By D02C	S (1400A)	√		√		4			
By D02D	M	√		√		4			
By 112A	H	√		√		S-1			
By 108	S (2451A)	√		√		2			
By 108	V	√		√		S-1			
By 109C	H	√		√		S-1			
By 125	S (2451A)	√		√		2			
By 104	V	√		√		S-1			
In 104	H	√		√		S-1			
By Front Door	M	√		√		2			
By Front Door	S (2451A)	√		√		2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1451A	*1.0-2.4 (Mod 400)*
2451A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 20th, 2016

Building Name: St. Anne Address: 1000 Rapids Parkway, Sarnia

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Room 157	RHT	√		√		6			
By 159B	S (2451A)	√		√		1			
By 159A	H	√		√		S-2			
By 157A	V	√		√		S-2			
By 160	S (2451A)	√		√		1			
Exit By 156B	M	√		√		1			EOL
By 154A	H	√		√		S-2			
Lobby By 154A	S (2451A)	√		√		2			
In 124	H	√		√		S-1			EOL
In 124	H	√		√		S-1			
By 152A	H	√		√		S-2			EOL
By 152A	V	√		√		S-2			
Lobby By 152A	S (2451A)	√		√		2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1451A	*1.0-2.4 (Mod 400)*
2451A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM- SPRINKLER

INDIVIDUAL DEVICE RECORD

Date: July 20th, 2016

Building Name: St. Anne Address: 1000 Rapids Parkway, Sarnia

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Sprinkler Flow Switch # 1	F/S	√		√		11			
Sprinkler Flow Switch # 2	F/S	√		√		12			
Sprinkler Flow Switch # 3	F/S	√		√		13			
Sprinkler Flow Switch # 4	F/S	√		√		14			
Sprinkler Flow Switch # 5	F/S	√		√		15			
Sprinkler Flow Switch # 6 Main	F/S	√		√		16			
Monitor SV #1	SV	√				23	√		
Monitor SV #2	SV	√				24	√		
Monitor SV #3	SV	√				25	√		
Monitor SV #4	SV	√				26	√		
Monitor SV #5	SV	√				27	√		
Monitor SV #6	SV	√				28	√		
Sprinkler Low Pressure	LP	√				30	√		

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1451A	*1.0-2.4 (Mod 400)*
2451A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: July 20th, 2016

Building Name: St. Anne Address: 1000 Rapids Parkway, Sarnia

LOCATION	MODEL#	BATTERY	#	A	B	C	D	REMARKS
151 Electrical	RG 12S 360	PA-1233 (12)	13	13.65	9:11	1.048		Ok
148A Gym Storage	RG 12S 360	PA-1233 (11)	7	13.75	9:11	1.010		Ok
148B Gym Storage	RG 12S 360	PA-1233 (14)	7	13.45	9:11	1.000		Ok
115 Sink Room	RG 12S 360	PA-1233 (11)	10	14.01	9:13	.999		Ok
DO5	RG 12S 360	PA-1233 (14)	11	13.65	9:14	1.015		Ok
157 Sprinkler	RG 12S 360	PA-1233 (09)	12	13.57	9:11	1.021		Ok

#- Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charge Current
D- Requires Service, Repairs, Missing

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FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
	Repairs Not Required			
We were required to return and test the remaining smokes as they had been covered by a contractor during renovations				
	Emergency Lighting			
	Repairs Not Required			

Additional Comments:

ANDERSON'S ELECTRONICS Inc.

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

C&H FIRE SUPPRESSION SYSTEMS INC.

183 Exeter Road, Unit A
London, Ontario
PHONE (519) 652-5086
FAX (519) 652-8719

Sprinkler Inspection Report

Report To:	**Andersons Electronics**	Location:	**St.Annes**
Building Occupancy Type:	**Institutional**	Hazard:	**Light**
Address:	**1000 Rapids Parkway**	Inspector:	**T.Neves**
City/Province:	**Sarnia**	Date:	**July 6, 2016**

Where used in this report, N/A means not applicable
Deficiencies involving the issuance of a Certificate Of Compliance will be answered with a "NO" and addressed in section #16

1. GENERAL:

a) Is the building occupied according to information furnished by the owner?	YES
b) Is the occupancy the same as the previous inspection according to information supplied by owner?	YES
c) Are all systems in service?	YES
d) Are all systems the same as the last inspection according to information from the owner?	YES
e) Is building completely sprinklered?	YES
f) Are all new additions and renovations properly protected?	N/A
g) Is all storage and stock below sprinkler piping?	YES
h) Has the building been free of fires since the last inspection?	N/A
i) Where there are wet systems, is the building properly heated to prevent the pipes from freezing?	YES

2. CONTROL VALVES:

a) Are all main control valves open?	YES
b) Are all valves in good condition?	YES
c) Are all valves sealed or supervised?	Supervised

3. WATER SUPPLIES:

a) Was a flow test done using a 2" drain?	YES
b) The static pressure was?	70psi
c) The residual pressure was?	66psi
d) Type of water supply?	CITY

4. TANKS, PUMPS & SIAMESE:

a) Are siamese connections in good condition, couplings free, caps in place and ball drips open?	YES

5. FIRE HYDRANTS:

N/A

6. WET SYSTEMS:

# of wet systems:	**1**	Make & Model:	**Globe H-3 Alarm Valve**

a) Are alarm valves in good condition?	YES
b) Are flow switches working and in good condition?	YES
c) Are tamper switches working and in good condition?	YES
d) Is the excess pressure pump functional?	YES
e) Is the valve trimmed properly?	YES
f) The operation of the excess pressure pump is?	AUTO
g)The excess pressure pump automatically starts at?	89psi
h)The excess pressure pump automatically stops at?	121psi

7. DRY SYSTEMS:

N/A

8. ANTI-FREEZE SYSTEMS:

N/A

9. SPECIAL SYSTEMS:

N/A

10. STANDPIPE SYSTEMS:

N/A

11. ALARMS:

a) Did the water motor gong test satisfactorily?	YES
b) Did the electric alarm test satisfactorily?	YES
c) Did the supervisory alarms test satisfactorily?	YES
d) The low pressure switch sends a low pressure warning at?	77psi

12. SPRINKLERS & PIPING:

a) Are all sprinklers in good condition, free from obstruction, corrosion and loading?		YES
b) Are the sprinklers less than 50 years old?	(1996)	YES
c) Are there spare sprinklers and a wrench in the head cabinet?		No
d) Is the condition of the piping, drain valves, hangers and gauges in good condition?		YES
e) Have the sprinklers been checked for the proper temperature rating?		YES

13. CONTROL VALVES & DEVICE LIST:

Zone or Location	Device	Supplies	Condition
Sprinkler Room	Alarm Valve	Sprinkler	Good
	Main Control Valve	Sprinkler	Good
	Low Pressure Switch (PS120)	Sprinkler	Good
	Flow Pressure Switch (PS10)	Sprinkler	Good
	Butterfly Control Valve	Zone 1	Good
	Flow Switch	Zone 1	Good
	Butterfly Control Valve	Zone 2	Good
	Flow Switch	Zone 2	Good
	Butterfly Control Valve	Zone 3	Good
	Flow Switch	Zone 3	Good
	Butterfly Control Valve	Zone 4	Good
	Flow Switch	Zone 4	Good
	Butterfly Control Valve	Zone 5	Good
	Flow Switch	Zone 5	Good

14. Listed are recent changes in the building occupancy or fire protection equipment.

NONE

15. The following are corrections made at the time of inspection.

NONE

16. DEFICIENT ITEMS:

NONE

The above items are deficient as per The Ontario Fire Code and need to be corrected immediately.
A certificate of inspection cannot be issued until all items under section #16 have been addressed.
Consultation with the local fire prevention office is suggested, if discrepancies occur

17. The following items are recommendations only.

NONE

• LIMITATION OF LIABILITY: It is understood and agreed that the INSPECTOR is NOT an insurer and is NOT warranting or guaranteeing the adequacy, performance or life expectancy of any structure, item, component or system in the building. Further, it is mutually agreed that the maximum amount of joint and several liability the INSPECTOR can incur for any error, mistakes, omissions, breach of contract, breach of warrantee, negligent hiring, or any other theory of liability including violation of a statute or consumer protection act is strictly limited to the FEE PAID for the inspection report.

NOTE: This inspection/test was performed in accordance with The Ontario Fire Code. This inspection does **NOT** certify that the sprinkler system installation complies with NFPA, OBC or Ontario Retrofit Reg. #627/92 (an engineer's report would be required to certify this).

As per the requirements of The Ontario Fire Codes, the inspecting company must submit this report to the local Fire Prevention office

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: **July 20th, 2016**

PROPERTY OWNED/MANAGED BY: **ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD**

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

ST. ANNE- 1000 THE RAPIDS PARKWAY, SARNIA

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04. THE SPRINKLER SYSTEM HAS ALSO BEEN INSPECTED AT THIS LOCATION.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Martin Archibald	CONFIRMED BY:	Jim Anderson
CFAA #:	19-992091		
FA. REP'S TECH:	Not Required	DATED:	August 19th, 2016
CFAA #:			

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: August 8th, 2016

Building Name: St. Elizabeth

Address: 1350 Bertha St, Wallaceburg

Security/Fire Alarm Panel [Make / Model]: FA-1008KA

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm Systems	√		
E	The fire alarm system documentation is on site and includes a description of the system		√	
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages			√
H	Comments: * Repairs not Required			
I	A copy of this report has been given to: Paul Lernout Who is the: Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Martin Archibald

CFAA #: 19-92091

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

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CANADIAN FIRE ALARM ASSOCIATION

FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm (Different Zone)	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal			√
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre	√		
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

Sys # 883 333- Chargers	Name	Damar
	Phone Number	1 (800) 265-7562

ANDERSON'S ELECTRONICS Inc.

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
			√
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Room # 101
Control unit or transponder identification	Mircom FA-1000

ANDERSON'S ELECTRONICS Inc.

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Room # 101
Circuit breaker or disconnect means location	Room # 102

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated	√		
Terminals clamped tightly	√		
Batteries free from physical damage			√
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		NP7-12
Battery manufacturer's date code or ins service date	Date	2014
Battery Voltage (main power supply 'ON') is	Voltage	27.20
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.20
	Current (A)	0.200
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	24.80
	Current (A)	1.39
The charging current is	Current (mA)	398

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity		AH	12
Record the battery terminal voltage after tests are completed.		VDC	25.80

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 6.70

ANDERSON'S ELECTRONICS Inc.

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates	√		
Individual alarm and supervisory input zone clearly indicated and separately designated	√		
Individual alarm and supervisory input zone designation labels are properly identified	√		
Common trouble signal operates	√		
Visual indicator test (lamp test) operates	√		
Displays are visible in the installed location	√		
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements	√		
Alarm signal silence visual indicator operates	√		
Switches for ancillary functions operate as per design and specification.	√		
Other Ancillary functions visual indicators operates	√		
Manual activation of alarm signal and indication operates	√		
Operates on emergency power	√		

Annunciator or remote trouble signal unit location	Main Entrance
Annunciator or remote trouble signal unit identification	Mircom

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	N/A
Annunciator or sequential display identification	N/A

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√
Remote trouble signal unit locations	N/A		
Remote trouble signal unit identification	N/A		

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√
Printer Location	N/A		
Printer Identification	N/A		

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√
Control Unit or Transponder Location	N/A		
Control Unit or Transponder Identification	N/A		
Data Communication link identification	N/A		

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Door Holders	√		
Tie to Security	√		

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 8th, 2016

Building Name: St. Elizabeth Address: 1350 Bertha Street, Wallaceburg

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Exit By Room 116	M	√		√		1			
Room 116	RHT	√		√		1			
By East Exit (116)	S (1400A)	√		√		1			
Room 115	RHT	√		√		1			
Hall By 115	B	√		√		S-1			
Room 114	RHT	√		√		1			
By Room 114	S (1400A)	√		√		1			
Room 113	RHT	√		√		1			
Door Holders	DH	√		√		-			
East of Library at Hall Doors	S (1400A)	√		√		1			
Hall By Library	B	√		√		S-1			
East of Library	S (1400A)	√		√		1			
Library Left 112	RHT	√		√		1			
Library Right 112	RHT	√		√		1			
By Emergency Lighting (112)	S (1400A)	√		√		1			
By Room (112)	S (1400A)	√		√		1			
Gym Stage	RHT	√		√		1			High
Gym Exit	M	√		√		1			
Gym	B	√		√		S-1			EOL
Gym Storage	RHT	√		√		1			EOL
By Gym Entrance (111)	S (1400A)	√		√		1			
Hall By Gym	B	√		√		S-2			
Girls Washroom	B	√		√		S-2			
Boys Washroom	B	√		√		S-2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 8th, 2016

Building Name: St. Elizabeth Address: 1350 Bertha Street, Wallaceburg

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Hall at 109	M	√		√		1			
By 109	S (C2M PD1)	√		√		1			
Paper Storage Room 110	RHT	√		√		1			
Book Storage Off of Room 110 A	RHT	√		√		1			
By 108	S (1400A)	√		√		1			
Hall By Class 106	B	√		√		S-1			
By Room 106	S (1400A)	√		√		1			
Boiler Room 101	M	√		√		1			
Boiler Room 101 Front	HT	√		√		1			Elec. Tested
Boiler Room 101 Back	HT	√		√		1			Elec. Tested
By Boiler Room 101	S (1400A)	√		√		1			
Electrical Room 102	RHT	√		√		1			
Sink Room 102A	RHT	√		√		1			
Lobby	M	√		√		1			
By Lobby	S (1400A)	√		√		2			
Room 117	M	√		√		1			
Room 117	B	√		√		S-2			
By Room 121	S (1400A)	√		√		2			
By West Doors (123)	S (1400A)	√		√		2			
Room 123	M	√		√		1			
Room 123	B	√		√		S-2			
Hall By Class 123	B	√		√		S-1			
By Room 125	S (1400A)	√		√		2			
By Kitchen Room 125	B	√		√		S-1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 8th, 2016

Building Name: St. Elizabeth Address: 1350 Bertha Street, Wallaceburg

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
By Room 130	S (1400A)	√		√		2			
By Centre Office Room 131	B	√		√		S-1			
Exit By Centre Office Room 131	M	√		√		2			
Kitchen Room 125	RHT	√		√		2			
By Room 126	S (1400A)	√		√		2			
By Room 127	S (1400A)	√		√		2			
Room 128	RHT	√		√		2			
By Room 122	S (1400A)	√		√		2			
By 122	B	√		√		S-1			
By Room 122 Front Left	S (1400A)	√		√		2			High
By Room 122 Front Right	S (1400A)	√		√		2			High
By Room 122 Back Right	S (1400A)	√		√		2			High
Exit By Room 122	M	√		√		2			EOL
By Room 124 Front Left	S (1400A)	√		√		2			High
By Room 124 Front Right	S (1400A)	√		√		2			High
By Room 124 Back Left	S (1400A)	√		√		2			High
By Room 130	S (1400A)	√		√		2			
Room 134A	RHT	√		√		2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: August 8th, 2016

Building Name: St. Elizabeth Address: 1350 Bertha Street, Wallaceburg

LOCATION	MODEL #	BATTERY	#	A	B	C	D	REMARKS
By East Exit	RG 36	PA-6V7.2 (12)	2	6.79	9:50	N/A		Ok
Over Lockers	RG 36	PA-6V7.2 (12)	2	6.81	9:53	N/A		Ok
By Library # 6	RGC442MT9W	PA-6V7.2 (13)	4	6.93	9:55	N/A		Ok
In Gym	RG 36	PA-6V12 (13)	3	6.95	10:00	N/A		Panel G. Cct 25. Ok
Custodial Storage	RG 36	PA-6V7.2	2	6.89	10:10	N/A		Ok
Front Entrance	RG 36 LMC	PA-6V12 (12)	2	6.914	10:12	N/A		Ok
West End- Best Start	SLC12250	NP33-12 (14)	12	13.30	10:23	N/A		Ok
Room 117	8LMCE2MT9W	CSB-6V4.5 (13)	2	6.93	10:19	N/A		Ok
Room 123	8LMCE2MT9W	CSB-6V4.5 (13)	2	6.88	10:17	N/A		Ok
By Library 7	RGC442MT9W	PA-6V7.2 (14)	3	6.89	9:57	N/A		Ok
Room 104 (Barrier Free W/C)	RGC442MT9W	PA-6V7.2 (14)	4	6.95	10:05	N/A		Ok

#- Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

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FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm			
	Repairs Not Required			
	Emergency Lighting			
	Repairs Not Required			

Additional Comments:

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: August 8th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

ST. ELIZABETH- 1350 BERTHA STREET, WALLACEBURG

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS ALSO COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Martin Archibald	CONFIRMED BY:	Jim Anderson
CFAA #:	19-992091		
FA. REP'S TECH:	Not Required	DATED:	August 8th, 2016
CFAA #:	~~~~~~~~~~~~		

ANDERSON'S ELECTRONICS Inc.

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FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: August 9th, 2016

Building Name: Sacred Heart

Address: 434 St. John Street, Port Lambton

Security/Fire Alarm Panel [Make / Model]: Edwards Quickstart

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm System	√		
E	The fire alarm system documentation is on site and includes a description of the system		√	
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages		√	
H	Comments: * All repairs completed as of August 18th, 2016			
I	A copy of this report has been given to: Paul Lernout Who is the: Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Kevin Bury

CFAA #: 19-995199

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

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CANADIAN FIRE ALARM ASSOCIATION

FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre			√
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	DAMAR- 883330 (Gaels)
	Phone Number	(519) 336-7111

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Room 108A- Closet
Control unit or transponder identification	Edwards EST

ANDERSON'S ELECTRONICS Inc.

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Room 108 Closet
Circuit breaker or disconnect means location	Room 108 Closet

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		Enersys (2) NP12-12
Battery manufacturer's date code or ins service date	Date	2012
Battery Voltage (main power supply 'ON') is	Voltage	27.17
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.82
	Current (A)	0.336
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.66
	Current (A)	1.788
The charging current is	Current (mA)	420

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	12
Record the battery terminal voltage after tests are completed.	VDC	27.02

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 8.96

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory input zone clearly indicated and separately designated			√
Individual alarm and supervisory input zone designation labels are properly identified			√
Common trouble signal operates			√
Visual indicator test (lamp test) operates			√
Displays are visible in the installed location			√
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements			√
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power			√

Annunciator or remote trouble signal unit location	N/A
Annunciator or remote trouble signal unit identification	N/A

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates	√		
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation	√		
Input wiring from control unit or transponder is supervised	√		
Alarm signal silence visual indicator operates.	√		
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.	√		
Common trouble signal operates.	√		
Visual indicator test (lamp test) operates.	√		
Displays are visible in the installed location.	√		
Operates on emergency power	√		
Manual activation of alarm signal and indication operates.	√		
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	Entrance By 116
Annunciator or sequential display identification	EST

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√

Remote trouble signal unit locations	N/A
Remote trouble signal unit identification	N/A

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√

Printer Location	N/A
Printer Identification	N/A

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)	√		
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√

Control Unit or Transponder Location	N/A
Control Unit or Transponder Identification	N/A
Data Communication link identification	N/A

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm, Trouble)	√		
Door Holders	√		
Fan Shutdown	√		

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 9th, 2016

Address: 434 John Street, Port Lambton Building Name: Sacred Heart

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Portapak By 115	M	√		√		2			
Portapak By 115	H/S	√		√					
Portapak By 115	S (C2M PDI)	√		√		2		5	
Room 115	H	√		√					
Room 115	RHT	√		√		2			
By Room 118	S (C2M PDI)	√		√		2		5	
By Room 118	RHT	√		√		2			
By Room 118	H	√		√					
Portapak Entrance E	M	√		√		2			
Portapak Entrance W	M	√		√		2			
Portapak Entrance E	S (C2M PDI)	√		√		2		5	
Portapak Entrance W	S (C2M PDI)	√		√		2		6	
By Portapak Entrance	S (C2M PDI)	√		√		1		5	
By Portapak Entrance	H/S	√		√					
By Portapak Entrance	DS	√		√		3			
Room 116	H	√		√					
By 116	M	√		√		1			
By 116	S (C2M PDI)	√		√		1		5	
Room 114 (Mechanical)	HT (Res)	√		√		1			
Room 114 (Mechanical)	H	√		√					
By 116	EOL	√		√		2			
By 116	EOL	√		√		3			
By 116	EOL	√		√		1			
Room 113	H	√		√					

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*
ESD-2W	*0.79-2.46 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 9th, 2016

Building Name: Sacred Heart Address: 434 John Street, Port Lambton

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
By 110 Boy's Washroom	H/S	√		√					
By 110 Boy's Washroom	S (C2M PDI)	√		√		1		5	
Room 108	RHT	√		√		1			
Room 108	H	√		√					
Room 108	H	√		√					
Hall By 108	DS	√		√		3			
By 108A	S (C2M PDI)	√		√		1		5	
By 108A	S (C2M PDI)	√		√		1		5	
By 108A	H/S	√		√					
Room 108A	H	√		√					
Room 108A	RHT	√		√		1			
By 106	S (C2M PDI)	√		√		1		5	
Room 106	M	√		√		1			
Room 106	H	√		√					
Room 106	RHT	√		√		1			
Room 106A	RHT	√		√		1			
Room 109	M	√		√		1			
Room 109	H	√		√					
Room 109	RHT	√		√		1			
Room 107	RHT	√		√		1			
Room 107A	RHT	√		√		1			
Room 104	RHT	√		√		1			
By Room 104	S (C2M PDI)	√		√		1		5	
Staff Room 105	RHT	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*
ESD-2W	*0.79-2.46 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 9th, 2016

Building Name: Sacred Heart Address: 434 John Street, Port Lambton

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Staff Room 105	H	√		√					
Room 103	RHT	√		√		1			
Room 102	RHT	√		√		1			
By Room 100	S (C2M PDI)	√		√		1		5	
By Room 100	M	√		√		1			
Room 120	RHT	√		√		1			
By 122	H/S	√		√					
Room 124	HT	√		√		1			Elec. Test
Room 124	H	√		√					
By 124	S (C2M PDI)	√		√		1		5	
Room 101	RHT	√		√		1			
By 101	M	√		√		1			
Room 126 Kitchen	HT		X			1			Elec. Test *See Repairs List*
128 Gym	H/S	√		√					
128 Gym	H/S	√		√					
128 Gym	M	√		√		1			
128 Gym	M	√		√		1			
128 Gym	RHT	√		√		1			
128 Gym	RHT	√		√		1			
Room 128A	RHT	√		√		1			
Room 128A	H	√		√					
Room 128B	RHT	√		√		1			
Room 128B	H	√		√					
Room 128C	RHT	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*
ESD-2W	*0.79-2.46 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: August 9th, 2016

Address: 434 John Street, Port Lambton

Building Name: Sacred Heart

LOCATION	MODEL #	BATTERY	# RH	A	B	C	D	REMARKS
Mechanical Room # 114	SLD 24 720	(2) Standard 12V33 (08)	12	26.28	8:54	1139		Ok
Room 124 Furnace Room	SLD 24 720	(2) Standard 12V33 (08)	16	26.39	8:48	1281	X	*See Repairs List*
Gym Storage- Room 128C	SLD 24 720	(2) Standard 12V33 (13)	12	26.62	8:52	1409		Ok

#- Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charge Current
D- Requires Service, Repairs, Missing

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FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
1	Room 126 Kitchen	HT	Replaced Device w/ (1) C2W BA Heat Detector	08/09/2016
	Emergency Lighting			
1	Room 124 Furnace Room	SLD 24 720	Replaced w/ (2) EnerSys NP33-12 Batteries	08/18/2016

Additional Comments:

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: August 9th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BD.

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

SACRED HEART- 434 JOHN STREET, PORT LAMBTON

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS ALSO COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Kevin Bury	CONFIRMED BY:	Jim Anderson
CFAA #:	19-995199		
FA. REP'S TECH:	Kevin Bury	DATED:	August 18th, 2016
CFAA #:	19-995199		

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FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: July 20th, 2016

Building Name: Sacred Heart, Sarnia

Address: 1411 LeCaron Avenue, Sarnia

Security/Fire Alarm Panel [Make / Model]: Simplex 4100A

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm Systems	√		
E	The fire alarm system documentation is on site and includes a description of the system	√		
F	The fire alarm system is fully functional	√		
G				√
H	Comments: * Repairs Not Required			
I	A copy of this report has been given to: SCCDSB- Paul Lernout Who is the; Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Martin Archibald

CFAA #: 19-992091

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

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FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]				
The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates	√		
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]	√		
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre			√
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	Damar Syst. # 114652 49ers
	Phone Number	1 (800) 265-7562

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Main Entrance
Control unit or transponder identification	Mircom FA-300

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Main Entrance
Circuit breaker or disconnect means location	Electrical Room

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed			√

Battery manufacturer and part number		NP12-12
Battery manufacturer's date code or ins service date	Date	2014
Battery Voltage (main power supply 'ON') is	Voltage	26.90
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	26.00
	Current (A)	0.371
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	24.90
	Current (A)	1.388
The charging current is	Current (mA)	388

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	12
Record the battery terminal voltage after tests are completed.	VDC	25.90

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 9.61

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates	√		
Individual alarm and supervisory input zone clearly indicated and separately designated	√		
Individual alarm and supervisory input zone designation labels are properly identified	√		
Common trouble signal operates	√		
Visual indicator test (lamp test) operates	√		
Displays are visible in the installed location	√		
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements	√		
Alarm signal silence visual indicator operates	√		
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power	√		

Annunciator or remote trouble signal unit location	N/A
Annunciator or remote trouble signal unit identification	N/A

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	N/A
Annunciator or sequential display identification	N/A

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√

Remote trouble signal unit locations	N/A
Remote trouble signal unit identification	N/A

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√

Printer Location	N/A
Printer Identification	N/A

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√

Control Unit or Transponder Location	N/A
Control Unit or Transponder Identification	N/A
Data Communication link identification	N/A

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Door Holders	√		
Tie to Security	√		

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 20th, 2016

Building Name: Sacred Heart Address: 1411 LeCaron Ave., Sarnia

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
South Entrance (Exit # 1)	M	√		√		2			M2-42
By Exit # 1 519A	S	√		√		2			M2-40
By Room 520	H/S	√		√		NAC-1			
By 518-A	S	√		√		2			M2-39
By Exit # 2 SW By Kindergarden	S	√		√		2			M2-38
By Exit # 2 SW By Kindergarden	M	√		√		2			M2-37
Room 521-S Storage	RHT	√		√		2			M2-36
By 522	H/S	√		√		NAC-1			
By 522	S	√		√		2			M2-35
By 523	H/S	√		√		NAC-2			
By 516-A Staff Room	RHT	√		√		2			M2-33
By 523	S	√		√		2			2M-34
By 524-A	H/S	√		√		NAC-1			
By 515-A	S	√		√		2			M2-31
By 515-A	RHT	√		√		2			M2-32
By 525-A	S	√		√		2			M2-30
By 525-A	H/S	√		√		NAC-2			
513	RHT	√		√		2			M2-29
By 501-A	S	√		√		3			M2-44
By 514-A	H/S	√		√		NAC-1			
By Electrical Room	S	√		√		3			M2-47
Electrical Room	RHT	√		√		3			M2-45
Electrical Room	RHT	√		√		3			M2-46
Room 511-P	RHT	√		√		3			M2-48
By 511-P	H/S	√		√		NAC-2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 20th, 2016

Building Name: Sacred Heart Address: 1411 LeCaron Ave., Sarnia

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
By 502-A	S	√		√		3			M2-49
By 504	RHT	√		√		3			M2-50
By 510-A	H/S	√		√		NAC-1			
By 510-A	S	√		√		3			M2-51
Room 509-A	RHT	√		√		3			M2-53
By Exit 3	M	√		√		3			M2-52
By 508	H/S	√		√		NAC-2			
By 508	S	√		√		3			M2-60
By 507-A	RHT	√		√		3			M2-55
Room 506	RHT	√		√		3			M2-54
By 529-A (Office)	S	√		√		2			M2-25
Rm 529-A	RHT	√		√		2			M2-25
Room 527A	RHT	√		√		1			M1-28
Rm 528-S	RHT	√		√		2			M2-27
By Exit # 4 By 530	S	√		√		2			M2-24
By Exit # 4 By 530	M	√		√		1			M2-57
By Exit # 4	H/S	√		√		NAC-1			
By 531	S	√		√		2			M2-23
Library West	RHT	√		√		1			M2-20
Library East	RHT	√		√		1			M2-19
In Library- Exit South	M	√		√		1			M2-58
Rm 544	RHT	√		√		1			M2-18
By 544	H/S	√		√		NAC-1			
By 533-A	S	√		√		2			M2-21
By 532-A	M	√		√		2			M2-22

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 20th, 2016

Building Name: Sacred Heart Address: 1411 LeCaron Ave., Sarnia

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
By Double Door By 533-A (South of 544)	S	√		√		1			M2-17
By 534-A	H/S	√		√		NAC-2			
In 534-A	RHT	√		√		2			M2-16
By 535-P Library	S	√		√		1			M2-12
Rm 535	DS	√		√		AHU 104			M2-14
Rm 535	HT	√		√		1			M2-13
Girls Dressing Rm 536-A Corr To Gym	S	√		√		1			M2-11
By 542-A	H/S	√		√		NAC-1			EOL
By Rm 542 Music Rm	S	√		√		1			M2-10
Rm 546-A	RHT	√		√		1			M2-8
By 541-A	H/S	√		√		NAC-2			EOL
By 541-A	S	√		√		1			M2-9
By Exit # 5 NE Entrance	M	√		√		1			M2-5
Rm 550	RHT	√		√		1			M2-1
By 540 Corr to Gym	S	√		√		1			M2-6
Rm 539-A/ South Storage	RHT	√		√		1			M2-2
549-A off Change Rm.	RHT	√		√		1			M2-7
548-A off of Gym	RHT	√		√		1			M2-4
Gym	H/S	√		√		NAC-1			
Gym Exit # 6 North	M	√		√		1			M2-59
539-A North Storage	RHT	√		√		1			M2-3
By 514-A (By Fountain)	DS	√		√		AHU 102			M2-43 (Remote LED)
Hall By 521-S	DS	√		√		AHU 101			M2-42 (Remote LED)
Gym Storage 534-A	DS	√		√		AHU 103			M2015

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: July 20th, 2016

Building Name: Sacred Heart Address: 1411 LeCaron Ave., Sarnia

LOCATION	MODEL #	BATTERY	RH #	A	B	C	D	REMARKS
By Storage Rm By Kindergarten	SLC12160-2N09T	(2) 6V12 (13)	10	13.64	2:15	.633		Ok
By Office 529-A	SLC12160-2N09T	(2) 6V12 (13)	14	13.59	2:18	.971		Ok
By Room 518-A	SLC12160	(2) 6V12 (11)	8	13.71	2:20	.840		Ok
By Gym Entrance	SLA12050	(2) 6V4.5 (14)	4	14.10	2:22	.751		Ok
Gym Exit	SPEXX10361	(2) 6V4.5 (14)	2	13.71	2:23	.861		Ok
Library	6 ESL 144	(2) PA-6V12 (11)	2	13:84	2:25	.911		Ok

RH #- Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

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FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
	Repairs Not Required			
	Emergency Lighting			
	Repairs Not Required			
Additional Comments:				

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: July 20th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BD.

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

SACRED HEART, 1411 CARON AVENUE, SARNIA

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS ALSO COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Martin Archibald	CONFIRMED BY:	Jim Anderson
CFAA #:	19-992091		
FA. REP'S TECH:	Martin Archibald	DATED:	July 20th, 2016
CFAA #:	19-992091		

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FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: July 26th, 2016

Building Name: St. Joseph

Address: 25-35 Raleigh Street, Chatham

Security/Fire Alarm Panel [Make / Model]: Edwards 6616

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm System	√		
E	The fire alarm system documentation is on site and includes a description of the system		√	
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages			√
H	Comments: * All repairs completed during inspection			
I	A copy of this report has been given to: Paul Lernout Who is the; Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Alban Berisha

CFAA #: 19-996582

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

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FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates	√		
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre	√		
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	DAMAR- 883335 Crusaders
	Phone Number	1 (800) 265-7562

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Main Entrance
Control unit or transponder identification	Edwards 6616

ANDERSON'S ELECTRONICS Inc.

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Main Entrance
Circuit breaker or disconnect means location	Panel G in Basement Electrical Room

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		NP12-12
Battery manufacturer's date code or ins service date	Date	2015
Battery Voltage (main power supply 'ON') is	Voltage	26.28
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.50
	Current (A)	0.300
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.33
	Current (A)	0.920
The charging current is	Current (mA)	810

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test;			√
(iv) A battery capacity meter test; or	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity.	AH	12
Record the battery terminal voltage after tests are completed.	VDC	25.60

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 7.66

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory input zone clearly indicated and separately designated			√
Individual alarm and supervisory input zone designation labels are properly identified			√
Common trouble signal operates			√
Visual indicator test (lamp test) operates			√
Displays are visible in the installed location			√
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements			√
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power			√

Annunciator or remote trouble signal unit location	N/A
Annunciator or remote trouble signal unit identification	N/A

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	N/A
Annunciator or sequential display identification	N/A

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√
Remote trouble signal unit locations	N/A		
Remote trouble signal unit identification	N/A		

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√
Printer Location	N/A		
Printer Identification	N/A		

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√
Control Unit or Transponder Location	N/A		
Control Unit or Transponder Identification	N/A		
Data Communication link identification	N/A		

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm)	√		
Door Holders (x 3)	√		

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 26th, 2016

Building Name: St. Joseph Address: 25 Raleigh Street, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
2nd Floor									
Above Tile By Rm 5 By Locker 98	DS (6264C)	√		√		6			
Above Tile By Locker 142	DS (6264C)	√		√		7			
Above Tile By Locker 83	DS (6264C)	√		√		5			
Above Tile By Locker 116	DS (6264C)	√		√		8			
Hall By Staff Room	S (C2M PDI)	√		√		14		5	
Hall By Room 7	S (C2W BA)	√		√		14		4	
Hall By Room 6	S (C2M PDI)	√		√		14		6	
Top Of North Stairs	S (C2W PDI)	√		√		3		5	EOL
1st Floor									
Electrical Room Back Stair	S (C2M PDI)	√		√		15		5	
Hall By Room 4	S (C2M PDI)	√		√		13		5	EOL
Hall by Room 1	S (C2M PDI)	√		√		13		5	
Hall By Principal's Office	S (C2M PDI)	√		√		13		6	
Hall By Secretary	S (C2M PDI)	√		√		13		4	
Hal l By Girl's C/R	S (C2M PDI)	√		√		13		5	
Hall By Gym Exit Outside	S (C2M PDI)	√		√		13		5	
Hall By East Exit	S (C2M PDI)	√		√		13		6	
2nd Floor									
Health Rm French Office	RHT	√		√		1			
Hall By Staff Room	M	√		√		1			
Staff Lounge- Kitchen	RHT	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1451A	*0.9-2.1 (Mod 400)*
6264C	

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 26th, 2016

Building Name: St. Joseph Address: 25 Raleigh Street, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Staff Lounge	RHT	√		√		1			
Staff Lounge Closet	RHT	√		√		1			
Janitors Room	HT	√		√		1			
Storage Fan Room	RHT	√		√		1			
Hall By Room 7	B	√		√		NAC-1			
Hall By Room 6	M	√		√		1			
Top Of South Stairs	S (C2W BA)	√		√		2		5	
1st Floor									
Hall By Room 4	M	√		√		1			
Hall By Room 1	B	√		√		NAC-1			
Janitors Closet	HT	√		√		1			
Principal's Office	RHT	√		√		1			
Office	RHT	√		√		1			
Office Closet	RHT	√		√		1			
Hall By Front Entrance	M	√		√		1			
Gym Exit To Hall	M	√		√		1			
Gym Exit	M	√		√		1			
Servery off Gym	RHT	√		√		1			
Gym Exit Hall	M	√		√		1			
Gym Storage	RHT	√		√		1			
Gym Stage	RHT	√		√		1			High
Gym Right	RHT	√		√		1			High
Gym Left	RHT	√		√		1			High

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1451A	*0.9-2.1 (Mod 400)*
2451A	*2.3-3.7 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 26th, 2016

Building Name: St. Joseph Address: 25 Raleigh Street, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Gym	B	√		√		NAC-1			
Gym	B	√		√		NAC-1			
Near Panel	B	√		√		NAC-1			
Hall To Gym	M	√		√		1			
Room Across from Locker 35	RHT	√		√		1			
Hall To Rm 9 Coat Room	RHT	√		√		1			
Room 9	RHT	√		√		1			
Room 9 Right	RHT	√		√		1			
Hall By Room 9	M	√		√		1			EOL
Library Office	RHT	√		√		1			
Library Right	RHT	√		√		1			
Library Left	RHT	√		√		1			
Hall By Room 9	B	√		√		NAC-1			
Basement Stairs	RHT	√		√		1			
Basement Right	RHT	√		√		1			
Basement Left	RHT	√		√		1			
Under Stairs	RHT	√		√		1			
Basement Exit	M	√		√		1			
Basement	B	√		√		NAC-1			
Basement By Electrical Room	RHT	√		√		1			
Electrical Room Right	HT	√		√		1			
Electrical Room Left	HT	√		√		1			
Custodian Room	RHT	√		√		1			
Electrical Room Exit	M	√		√		1			
Beside Stairs	M	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1451A	*0.9-2.1 (Mod 400)*
2451A	*2.3-3.7 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 26th, 2016

Building Name: St. Joseph Address: 25 Raleigh Street, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Store Room in Basement	HT	√		√		1			Elect. Tested
Stairwell Doors	Door Holders	√		√					
Main Exit Doors	Door Holders	√		√					
Hall @ Girls W/C	Door Holders	√		√					
Under Stage	RHT	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1451A	*0.9-2.1 (Mod 400)*
2451A	*2.3-3.7 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: July 26th, 2016

Building Name: St. Joseph Address: 25 Raleigh Street, Chatham

LOCATION	MODEL #	BATTERY	RH#	A	B	C	D	REMARKS
By Room 204 (2nd Floor)	RG 36	PA-6V12 (14)	3	7.01	8:30			
By Room 106	RG 36	PA-6V12 (13)	3	7.05	8:32			
Gym Exit To Hall	RG 36 LMC	PA-6V7.2 (14)	2	6.95	8:34			
Gym SE Exit To Hall	RG 36 LMC	PA-6V7.2 (08)	2	3.00	8:36	X	√	*See Repairs List*
Gym NE Exit	RG 36 LMC	PA-6V12 (10)	2	7.00	8:38	X	√	*See Repairs List*
Hall By Gym	RG 36 4	PA-6V12 (14	2	6.92	8:40			
Basement By Stair	RG 36A	PA-6V12 (10)	2	6.81	8:42	X	√	*See Repairs List*
Basement Custodian Room	RG 36	PA-6V7.2 (12)	2	7.09	8:44			
Electrical Room # 1	RG 36	PA-6V7.2 (12)	2	7.15	8:46			
Electrical Room # 2	RG 36	PA-6V7.2 (12)	2	6.97	8:48			
Top Of Back Stairs	RG 36 LMC	PA-6V7.2 (11)	2	8.86	8:50			

RH #- Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

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FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
	Repairs Not Required			
	Emergency Lighting			
1	Gym SE Exit To Hall	RG 36 LMC	Replaced Battery w/ (1) Panasonic PA-6V7.2	07/26/2016
2	Gym NE Exit	RG 36 LMC	Replaced Battery w/ (1) Panasonic PA-6V7.2	07/26/2016
3	Basement By Stair	RG 36A	Replaced Battery w/ (1) Panasonic PA-6V12	07/26/2016

Additional Comments:

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: July 26th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

ST. JOSEPH- 25-35 RALEIGH ST. CHATHAM

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04. THE FIRE HYDRANT HAS ALSO BEEN INSPECTED AT THIS LOCATION.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Alban Berisha	CONFIRMED BY:	Jim Anderson
CFAA #:	19-996382		
FA. REP'S TECH:	Alban Berisha	DATED:	July 26th, 2016
CFAA #:	19-996382		

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FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: July 21st, 2016

Building Name: St. Josephs

Address: 535 Birchbank Drive, Corunna

Security/Fire Alarm Panel [Make / Model]: Edwards ESA 2000

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm System	√		
E	The fire alarm system documentation is on site and includes a description of the system	√		
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages			√
H	Comments: *Repairs completed during inspection			
I	A copy of this report has been given to: Paul Lernout - SCCDSB Who is the; Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Martin Archibald

CFAA #: 19-992091

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

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CANADIAN FIRE ALARM ASSOCIATION

FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates	√		
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]	√		
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre	√		
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	DAMAR- 114657 Saints
	Phone Number	1 (800) 265-7562

ANDERSON'S ELECTRONICS Inc.

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Room 140A off of Room 140
Control unit or transponder identification	Edwards ESA 2000

ANDERSON'S ELECTRONICS Inc.

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Room 140A off of Room 140
Circuit breaker or disconnect means location	Room 140 Panel L Cct # 34

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		(2) BB EP28-12
Battery manufacturer's date code or ins service date	Date	2011
Battery Voltage (main power supply 'ON') is	Voltage	27.00
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.20
	Current (A)	0.650
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	24.90
	Current (A)	0.992
The charging current is	Current (mA)	1820

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	12
Record the battery terminal voltage after tests are completed.	VDC	25.60

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 16.1 Ah.

ANDERSON'S ELECTRONICS Inc.

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates	√		
Individual alarm and supervisory input zone clearly indicated and separately designated	√		
Individual alarm and supervisory input zone designation labels are properly identified	√		
Common trouble signal operates	√		
Visual indicator test (lamp test) operates	√		
Displays are visible in the installed location	√		
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements	√		
Alarm signal silence visual indicator operates	√		
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power	√		

Annunciator or remote trouble signal unit location	Main Entrance
Annunciator or remote trouble signal unit identification	Edwards

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	N/A
Annunciator or sequential display identification	N/A

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√
Remote trouble signal unit locations	N/A		
Remote trouble signal unit identification	N/A		

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√
Printer Location	N/A		
Printer Identification	N/A		

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√
Control Unit or Transponder Location	N/A		
Control Unit or Transponder Identification	N/A		
Data Communication link identification	N/A		

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Door Holders	√		
Tie to Security	√		

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 21st, 2016

Building Name: St. Joseph Address: 535 Birchbank Drive

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
By 751-A	M	√		√		2			
860	H	√		√		NAC-1			
860	S (1400A)	√		√		1			
Exit Door 860	M		X			1			*See Repairs List*
By 743	H	√		√		NAC-1			
By 744	M	√		√		2			
741	RHT	√		√		3			EOL
By 736	H	√		√		NAC-1			
Exit Door 730 (Library)	M	√		√		4			
730	H	√		√		NAC-1			
By Front Door	M	√		√		4			
By 705	H	√		√		NAC-1			
705	S (C2M PDI)	√		√		5			
705 By Door (6266-C)	Duct Smoke (6266)	√		√		10			
Back of 705 (6266-C)	Duct Smoke (6266)	√		√		10			
706	S (1400A)	√		√		6			
Exit Off 709	M		X			7			*See Repairs List*
Exit Off 709	H	√		√		NAC-1			
Coat Room Off 709	S (C2M PDI)	√		√		7			EOL
Coat Room Off 709	M	√		√		7			
Exit Door Off 713	M	√		√		7			
Exit Door Off 713	H	√		√		NAC-1			
By 723	H	√		√		NAC-2			
Exit By 723	M	√		√		7			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

2451A	*1.2-2.8 (Solo Trutest)*
6250A	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*

ANDERSON'S ELECTRONICS Inc.

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 21st, 2016

Building Name: St. Joseph Address: 535 Birchbank Drive

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Boys Change Rm 729	S (C2M PDI)	√		√		7		6	
Boys Change Rm 729	H	√		√		NAC-2			
Stage	RHT	√		√		8			
Back Stage Wall	H	√		√		NAC-2			
Stage Mech Room	HT	√		√		8			Elect. Test
Stage Mech Room	M	√		√		8			
Gym Right Side	H	√		√		NAC-2			
Gym Right Side	M		X			14			*See Repairs List*
Gym Left Side	H	√		√		NAC-2			
Gym Left Side	M	√		√		14			
Gym Under Stage L	S (C2W BA)	√		√		13			
Gym Under Stage R	S (C2W BA)	√		√		13			
Hall By 721	M	√		√		7			
Room 725 Girls	S (C2M PDI)	√		√		7			
By Room 725 Girls	H	√		√		NAC-2			
YMCA West Wing									
West Exit	M	√		√		1			
West Exit	S (1400A)	√		√		1			
Southwest Room	S (1400A)	√		√		1			
Southwest Room	S (1400A)	√		√		1			
Southwest Room	H	√		√		NAC-1			
Northwest Room	S (1400A)	√		√		1			
Northwest Room	S (1400A)	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

2451A	*1.2-2.8 (Solo Trutest)*
6250A	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 21st, 2016

Building Name: St. Joseph Address: 535 Birchbank Drive

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Daycare Hall East	S (1400A)	√		√		1			
Daycare Northeast Room	S (1400A)	√		√		1			
Daycare Northeast Room	S (1400A)	√		√		1			
Daycare Northeast Room	H	√		√		NAC-1			
Dare Care Hall	H					NAC-1			
Sprinkler Room									
East Zone	FS	√		√		12			EOL
Automatic Check Valve	SV					17	√		EOL
West Zone	SV					15	√		EOL
West Zone	FS	√		√		14			EOL
Low Pressure	LP					18	√		EOL
Shut Off	SV					16	√		EOL
Shut Off	SV					16	√		EOL
East Zone	SV					13	√		EOL

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

2451A	*1.2-2.8 (Solo Trutest)*
6250A	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*

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CAN/ULC
EMERGENCY LIGHTING
INDIVIDUAL DEVICE RECORD

Date: July 21st, 2016

Building Name: St. Joseph Address: 535 Birchbank Drive, Corunna

LOCATION	MODEL #	BATTERY	#	A	B	C	D	REMARKS
Storage (151)	RG 12S 144	(2) PA-6V12 (13)	3	13.92	11:00	630		
Gym (Storage)	RG 12S 144	(2) PA-6V12 (14)	7	13.25	11:03	545		Panel H CCT#27
Ceiling (Kitchen)	RG 12S 72	PA-12V7.2 (14)	3	13.20	11:05	671		Panel A Cir #3
Custodian Room	RG 12S 72	(2) PA-6V7.2 (14)	3	13.21	11:07	691		Panel A Cir #3
W / C Ceiling Rm 142C	RG 12S 72	(2) PA-6V7.2 (12)	3	13.19	11:20	621		Panel A Cir #3
Outside Rm 140 Elect. (In 705P)	RG 36	(2) PA-6V7.2 (12)	3	13.92	11:21	591		Panel B CCT#13
Electrical Room 140A	RG 12S 72	(1) PA-6V7.2 (10)	1	6.79	11:22	582		Panel B CCT#13
Library Office Ceiling	RG 12S 72	(2) PA-6V7.2 (13)	4	N/A	11:24	N/A	X	Panel B CCT#13
736A Ceiling	RG 12S 72	(2) PA-6V7.2 (14)	3	13.20	11:25	591		Panel B CCT#3
Custodian Room	RG 12S 72	(2) PA-6V12 (14)	4	13.25	11:27	630		Panel D CCT #3
Storage	RG 12S 100	(2) PA-6V7.2 (13)	3	13.20	11:29	633		Panel D CCT #3
83 Ceiling (860 First Rm on Left)	RG 12S 100	(2) PA-6V7.2 (10)	4	13.34	11:30	692		Panel C CCT #1
YMCA Area- West Exit	RG 442MTSW	(1) PA-6V12 (14)	4	6.89	11:32	643		Panel T CCT #3
Panel A- Rm 723 A Storage Panel B- 705P Electrical Room Panel C- Rm 83								
Panel D- Storage Rm 746A Panel H- Rm 723A Storage Panel T- Daycare Entrance								

#- Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

ANDERSON'S ELECTRONICS Inc.

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FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
1	Exit Door 860	M	Replaced (1) Manual Pull Station Glass Rod	07/21/2016
2	Exit Off 709	M	Replaced (1) Manual Pull Station Glass Rod	07/21/2016
3	Gym Right Side	M	Replaced (1) Manual Pull Station Glass Rod	07/21/2016
	Emergency Lighting			
1	Library Office Ceiling	RG 12S 72	Replaced Batteries w/ (2) Panasonic PA-6V7.2	07/21/2016
	Sprinkler System			
	Repairs not Required			

Additional Comments:

ANDERSON'S ELECTRONICS Inc.

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

C&H FIRE SUPPRESSION SYSTEMS INC.

183 Exeter Road, Unit A
London, Ontario
PHONE (519) 652-5086
FAX (519) 652-8719

Sprinkler Inspection Report

Report To:	**Andersons Electronics**	Location:	**St.Joseph's**
Building Occupancy Type:	**Institutional**	Hazard:	**Light**
Address:	**535 Birchbark Street**	Inspector:	**T.Neves**
City/Province:	**Corunna**	Date:	**July 8, 2016**

Where used in this report, N/A means not applicable
Deficiencies involving the issuance of a Certificate Of Compliance will be answered with a "NO" and addressed in section #16

1. GENERAL:

a) Is the building occupied according to information furnished by the owner?	YES
b) Is the occupancy the same as the previous inspection according to information supplied by owner?	YES
c) Are all systems in service?	YES
d) Are all systems the same as the last inspection according to information from the owner?	YES
e) Is building completely sprinklered?	YES
f) Are all new additions and renovations properly protected?	N/A
g) Is all storage and stock below sprinkler piping?	YES
h) Has the building been free of fires since the last inspection?	N/A
i) Where there are wet systems, is the building properly heated to prevent the pipes from freezing?	YES

2. CONTROL VALVES:

a) Are all main control valves open?	YES
b) Are all valves in good condition?	YES
c) Are all valves sealed or supervised?	Supervised

3. WATER SUPPLIES:

a) Was a flow test done using a 2" drain?	YES
b) The static pressure was?	45psi
c) The residual pressure was?	32psi
d) Type of water supply?	CITY

4. TANKS, PUMPS & SIAMESE:

a) Are siamese connections in good condition, couplings free, caps in place and ball drips open?	YES
	(Brass)

5. FIRE HYDRANTS:

a) Was the hydrant valve found?			YES
b) Was the hydrant valve open?			YES
c) Did the fire hydrant open & operate properly?			YES
d) Was the bonnet "O " ring lubricated?			YES
e) Were the outlet caps in place and tight?			YES
f) Was water flowed from the hydrant?			YES
g) Did the water drain from the barrel properly?			YES
h) Was a flow test done?			YES
Hydrant # 1:			
i) The static pressure was?			**49**
j) The pitot reading from an engineered playpipe was	**33**	Using an outlet size of	2.5
k) The USGPM results are?			**964**

6. WET SYSTEMS:

# of wet systems: **1** Make & Model: **Gem Alarm Valve -F2001**

a) Are alarm valves in good condition?	YES
b) Are flow switches working and in good condition?	YES
c) Are tamper switches working and in good condition?	YES
d) Is the excess pressure pump functional?	YES
e) Is the valve trimmed properly?	YES
f) The operation of the excess pressure pump is?	AUTO
g)The excess pressure pump automatically starts at?	110psi
h)The excess pressure pump automatically stops at?	124psi

7. DRY SYSTEMS:

N/A

8. ANTI-FREEZE SYSTEMS:

N/A

9. SPECIAL SYSTEMS:

N/A

10. STANDPIPE SYSTEMS:

N/A

11. ALARMS:

a) Did the water motor gong test satisfactorily?	YES
b) Did the electric alarm test satisfactorily?	YES
c) Did the supervisory alarms test satisfactorily?	YES
d) The low pressure switch sends a low pressure warning at?	94psi

12. SPRINKLERS & PIPING:

a) Are all sprinklers in good condition, free from obstruction, corrosion and loading?		YES
b) Are the sprinklers less than 50 years old?	(1995)	YES
c) Are there spare sprinklers and a wrench in the head cabinet?		YES
d) Is the condition of the piping, drain valves, hangers and gauges in good condition?		YES
e) Have the sprinklers been checked for the proper temperature rating?		YES

13. CONTROL VALVES & DEVICE LIST:

Zone or Location	Device	Supplies	Condition
Storage Room	Alarm Valve	West/ East Sprinkler	Good
	Main Control Valve	West Zone	Good
	Main Control Valve Tamper	West Zone	Good
	Main Control Valve	Alarm Valve	Good
	Main Control Valve Tamper	Alarm Valve	Good
	Main Control Valve	East Zone	Good
	Main Control Valve Tamper	East Zone	Good
	PS120	Alarm Valve	Good
	Flow Switch	West Zone	Good
	Flow Switch	East Zone	Good

14. Listed are recent changes in the building occupancy or fire protection equipment.

NONE

15. The following are corrections made at the time of inspection.

NONE

16. DEFICIENT ITEMS:

NONE

The above items are deficient as per The Ontario Fire Code and need to be corrected immediately.
A certificate of inspection cannot be issued until all items under section #16 have been addressed.
Consultation with the local fire prevention office is suggested, if discrepancies occur

17. The following items are recommendations only.

NONE

NOTE: This inspection/test was performed in accordance with The Ontario Fire Code. This inspection does NOT certify that the fire hydrant installation complies with NFPA, OBC or Ontario Retrofit Reg. #627/92 (an engineer's report would be required to certify this).

LIMITATION OF LIABILITY: It is understood and agreed that the **INSPECTOR** is **NOT** an insurer and is **NOT** warranting or guaranteeing the adequacy, performance or life expectancy of any structure, item, component or system in the building. Further, it is mutually agreed that the maximum amount of joint and several liability the **INSPECTOR** can incur for any error, mistakes, omissions, breach of contract, breach of warrantee, negligent hiring, or any other theory of liability including violation of a statue or consumer protection act is strictly limited to the **FEE PAID** for the inspection report.

As per the requirements of The Ontario Fire Codes, the inspecting company must submit this report to the local Fire Prevention office

Notes:
West Zone Insp.Test in 751A (Ceiling)
East Zone Insp.Test in Gym (Chair Storage)

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: July 21st, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

ST. JOSEPH- 535 BIRCHBANK DRIVE, CORUNNA

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04. THE SPRINKLER SYSTEM & FIRE HYDRANT HAVE ALSO BEEN INSPECTED AT THIS LOCATION.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS ALSO COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Martin Archibald	CONFIRMED BY:	Jim Anderson
CFAA #:	19-992091		
FA. REP'S TECH:	Martin Archibald	DATED:	July 21st, 2016
CFAA #:	19-992091		

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
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Phone: (519) 657-2063
Fax: (519) 657-2696

FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: August 24th, 2016

Building Name: St. John Fisher

Address: 44 Main Street, Forest

Security/Fire Alarm Panel [Make / Model]: Edwards 6616

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm Systems	√		
E	The fire alarm system documentation is on site and includes a description of the system		√	
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages	√		
H	Comments: **** Repairs completed as of August 29th/2016***			
I	A copy of this report has been given to: Paul Lernout - SCCDSB Who is the; Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Kevin Bury

CFAA #: 19-995199

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
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Phone: (519) 657-2063
Fax: (519) 657-2696

CANADIAN FIRE ALARM ASSOCIATION

FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre			√
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	DAMAR- 114656-Lakers
	Phone Number	(800) 265-7562

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Main Entrance
Control unit or transponder identification	EST

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Front Door
Circuit breaker or disconnect means location	Room 151-P off 150-A

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		(2) Enersys NP7-12
Battery manufacturer's date code or ins service date	Date	2014
Battery Voltage (main power supply 'ON') is	Voltage	26.60
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.500
	Current (A)	0.340
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.20
	Current (A)	1.201
The charging current is	Current (mA)	770

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	7
Record the battery terminal voltage after tests are completed.	VDC	25.80

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 8.87

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory input zone clearly indicated and separately designated			√
Individual alarm and supervisory input zone designation labels are properly identified			√
Common trouble signal operates			√
Visual indicator test (lamp test) operates			√
Displays are visible in the installed location			√
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements			√
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power			√

Annunciator or remote trouble signal unit location	N/A
Annunciator or remote trouble signal unit identification	N/A

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	N/A
Annunciator or sequential display identification	N/A

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√

Remote trouble signal unit locations	N/A
Remote trouble signal unit identification	N/A

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√

Printer Location	N/A
Printer Identification	N/A

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√

Control Unit or Transponder Location	N/A
Control Unit or Transponder Identification	N/A
Data Communication link identification	N/A

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm & Trouble)	√		
Door Holders	√		

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2018 Mallard Road, Unit #1
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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 24th, 2016

Building Name: St. John Fisher Address: 44 Main Street, Forest

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
In 102 Conference Room	H	√		√		1			
By 1008 Office Filing Room	DS (ESD-2W)	√		√		3			
Hall at 124	H	√		√		S-3			
By Room 101	S (C2M PDI)	√		√		2			
By Room 102	S (C2M PDI)	√		√		2			
In 101	S (C2M PDI)	√		√		2			
In 101A	RHT	√		√		2			
In 101B Exit	M	√		√		2			
In 101B	RHT	√		√		2			
In 101B	H	√		√		2			
Hall at 103	H	√		√		2			
In 103	RHT	√		√		2			
103 Exit	M	√		√		2			
104 Custodial	M	√		√		2			
In 104	RHT	√		√		2			Elec Test
Hall at 106	S (C2M PDI)	√		√		2			
In 105	RHT	√		√		2			
In 108 Staff	RHT	√		√		2			
Hall at 110	S (C2M PDI)	√		√		2			
In 110	RHT	√		√		2			
In 107 Boys Washroom	RHT		X			2			*See Repairs List*
In 109 Girls Washroom	RHT	√		√		2			
Hall Exit at 109	M	√		√		2			
Hall Exit at 109	S (C2M PDI)	√		√		2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*
ESD-2W	*0.79-2.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 24th, 2016

Building Name: St. John Fisher Address: 44 Main Street, Forest

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
In 111	RHT	√		√		2			
Hall at 110	H	√		√		2			
In 112	RHT	√		√		2			
At 112C	RHT	√		√		2			
In 112 Exit	M	√		√		2			
112A	RHT	√		√		2			
112B	RHT	√		√		2			
112C	RHT	√		√		2			
112D	RHT	√		√		1			
Hall at 112	S (C2M PDI)	√		√		2			Relay For Doors
Hall at 114	S (C2M PDI)	√		√		1			
Room 114 Kitchen	RHT	√		√		1			
Room 113	RHT	√		√		1			
Room 113	H	√		√		1			
Exit at 115	M	√		√		1			
Exit at 115	S (C2M PDI)	√		√		1			
In Room 114	DS	√		√		3			
In 115	RHT	√		√		1			
Hall at 117	S (C2M PDI)	√		√		1			Relay Door Holders
In 117	RHT	√		√		1			
In 117	H	√		√		S-1			
116 Girls Washroom	RHT	√		√		1			
118 Boys Washroom	RHT	√		√		1			
In 119 Daycare 1	RHT	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*
ESD-2W	*0.79-2.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 24th, 2016

Building Name: St. John Fisher Address: 44 Main Street, Forest

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
In 119 Daycare 1	H	√		√		1			
In 121 Daycare 2	RHT	√		√		1			
In 121 Daycare 2	H	√		√		1			
Exit at 122	M	√		√		1			
In 122	M	√		√		1			
In 122	RHT	√		√		1			
In 119 Daycare 1	S (C2M PDI)	√		√		1			
In Room 122	H	√		√		1			
In Room 124	ESV	√		√		10			EOL
Room 127	ESV	√		√		11			
Room 127	FS	√		√		5			
Room 127	TS	√		√		5			
Hall at 100 Office	S (C2M PDI)	√		√		2			
Hall at 100 Office	M	√		√		2			
In 100 Office File Room	RHT	√		√		2			
In 127 Boiler Room A	HT	√		√		2			Elec Test
Hall at 127	S (C2M PDI)	√		√		2			
Room 129 Custodian	RHT	√		√		2			
Room 131 Library	RHT	√		√		2			
125 Boys Washroom	RHT	√		√		2			
123 Girls Washroom	RHT	√		√		2			
Hall at 133	H	√		√		2			
By Room 133	S (C2M PDI)	√		√		2			
Hall at 128	S (C2M PDI)	√		√		2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*
ESD-2W	*0.79-2.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 24th, 2016

Building Name: St. John Fisher Address: 44 Main Street, Forest

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
By 123	H	√		√		S-4			
Hall By Room 135	S (C2M PDI)	√		√		2			
In Room 135	RHT	√		√		2			
137 Kitchen	HT	√		√		2			
Exit at 137	M	√		√		2			
Exit at 137	S (C2M PDI)	√		√		3			
139 Gym Ceiling	RHT	√		√		2			High
139 Center Ceiling	RHT	√		√		2			High
139 at Exit Ceiling	RHT	√		√		2			High
Gym Side Exit	M	√		√		2			
139A Gym	RHT	√		√		2			
139B Boys Change Room	RHT	√		√		2			Cage
139C Girls Change Room	RHT	√		√		2			Cage
139D	RHT	√		√		2			
139E	RHT	√		√		2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*
ESD-2W	*0.79-2.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: August 24th, 2016

Building Name: St. John Fisher

Address: 44 Main Street, Forest

LOCATION	MODEL #	BATTERY	#RH	A	B	C	D	REMARKS
Room 135	SLD 24550	(2) PA-12V33 (12)	13	26.77	11:45	129		
Room 101B Exit	SLEX 6 36	PA-6V4.5 (14)	2	6.97	11:47	260		
Room 104	SLD 24550	(2) PA-12V33 (09)	22	27.69	11:50	1310		
Room 112D	SLD 24550	(2) PA-12V33 (09)	10	-	11:52	-	X	*See Repairs List*

Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

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FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
1	In 107 Boys Washroom	RHT	Replaced Device w/ (1) 5601A Heat Detector	08/24/2016
2	Edwards Fire Alarm Panel	Edwards 6616	Replaced Batteries w/ (2) EnerSys NP33-12	08/29/2016
	Emergency Lighting			
1	Room 112D	SLD 24 550	Replaced (1) 24 Volt PC Board	08/29/2016

Additional Comments:

ANDERSON'S ELECTRONICS Inc.

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: August 24th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

ST. JOHN FISHER- 44 MAIN STREET NORTH, FOREST

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS ALSO COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Kevin Bury	CONFIRMED BY:	Jim Anderson
CFAA #:	19-995199		
FA. REP'S TECH:	Kevin Bury	DATED:	August 29th, 2016
CFAA #:	19-995199		

ANDERSON'S ELECTRONICS Inc.

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FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: September 1st, 2016

Building Name: St. Joseph

Address: 43 St. Clair Street, Tilbury

Security/Fire Alarm Panel [Make / Model]: Edwards Quickstart

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm System	√		
E	The fire alarm system documentation is on site and includes a description of the system		√	
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages	√		
H	Comments: * All repairs completed during inspection			
I	A copy of this report has been given to: Paul Lernout Who is the: Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Kevin Bury

CFAA #: 19-995199

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

ANDERSON'S ELECTRONICS Inc.

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FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre	√		
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	DAMAR- 883334 Black Knights
	Phone Number	(800) 265-7562

ANDERSON'S ELECTRONICS Inc.

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London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices			
Output circuit designations correctly identified in relation to connected field devices			
Correct designations for common control functions and indicators			
Plug-in components and modules securely in place			
Plug-in cables securely in place			
Cleanliness and free of dust and dirt			
Record the date, revision and version of firmware:			
Date: 08/22/2014 Revision: 02.50.00 Version:			
Record the date, revision and version of the program software:			
Date: 01/12/2009 Revision: Vol. 20.00 Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Main Entrance
Control unit or transponder identification	EST Quickstart

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Main Entrance
Circuit breaker or disconnect means location	Electrical Room 101, Panel DP.1 Brk. # 19

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		(2) Leoch 12V18
Battery manufacturer's date code or ins service date	Date	2014
Battery Voltage (main power supply 'ON') is	Voltage	27.20
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.30
	Current (A)	0.325
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.00
	Current (A)	2.20
The charging current is	Current (mA)	900

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	18
Record the battery terminal voltage after tests are completed.	VDC	26.80

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 8.90

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory input zone clearly indicated and separately designated			√
Individual alarm and supervisory input zone designation labels are properly identified			√
Common trouble signal operates			√
Visual indicator test (lamp test) operates			√
Displays are visible in the installed location			√
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements			√
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power			√

Annunciator or remote trouble signal unit location	N/A
Annunciator or remote trouble signal unit identification	N/A

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	N/A
Annunciator or sequential display identification	N/A

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√

Remote trouble signal unit locations	N/A
Remote trouble signal unit identification	N/A

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√

Printer Location	N/A
Printer Identification	N/A

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√

Control Unit or Transponder Location	N/A
Control Unit or Transponder Identification	N/A
Data Communication link identification	N/A

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm)			√
Door Holders (x 2)			√

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: September 1st, 2016

Building Name: St. Joseph Address: 43 St. Clair Street, Tilbury

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Exit By 140	M	√		√		3			
Hall By 140	S	√		√		3			
Room 131	RHT	√		√		3			
Storage Room 131 A	RHT	√		√		3			
Room 130 Office	RHT	√		√		3			
Hall Exit at 130	M	√		√		3			
Handicap Washroom	RHT	√		√		3			
Hall at A	RHT	√		√		3			
Hall By 129	S	√		√		3			
Hall By Room 138	H/S	√		√		S-3			
Room 129 A	H	√		√		3			
Hall By Room 126	S	√		√		3			
Room 126	RHT	√		√		3			
Hall at 124	H/S	√		√		3			
Work Room 127	RHT	√		√		3			
Storage Room 127 A	RHT	√		√		3			
Room 127 A Exit	M	√		√		3			
Storage Room 125	RHT	√		√		1			
Hall By Room 124	M	√		√		1			
Room Closet 124 A	RHT	√		√		1			
Room Office 124 B	RHT	√		√		1			
Room 123	RHT	√		√		1			
Hall By 122	H/S	√		√		S-4			
Room 134	RHT	√		√		1			
Room 122	RHT	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

ANDERSON'S ELECTRONICS Inc.

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Phone: (519) 657-2063
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CAN/ULC S536-04
FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: September 1st, 2016

Building Name: St. Joseph Address: 43 St. Clair Street, Tilbury

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Room 122 A	RHT	√		√		1			
Exit By Room 122	M	√		√		1			
Janitor Room 120	RHT	√		√		1			
Storage Room 119	RHT	√		√		1			
Storage Room 117A	RHT	√		√		1			
Room Storage 118A	RHT	√		√		1			
Room Storage 119 A	RHT	√		√		1			
Room 113 A	RHT	√		√		1			
Room 114 A	RHT	√		√		1			
Hall By Storage Room 111	M	√		√		1			
Storage Room 111	RHT	√		√		1			
Room Storage 112 A	RHT	√		√		1			
Room Storage- Rm 105 A	RHT	√		√		1			
Chapel 110	RHT	√		√		1			
Hall By Chapel	H/S	√		√		S-3			
Room 107	HT (Res)	√		√		1			
Principals Office 108	HT (Res)	√		√		1			
Principals Closet	RHT	√		√		1			
V. Principal Office 106	HT (Res)	√		√		1			
Room 105 A	RHT	√		√		1			
Electrical Room 101	RHT	√		√		1			
Boiler Room 103	HT	√		√		1			Elec. Test
Boiler Room 100	H/S	√		√		S-4			
Exit By Boiler Room #5	M	√		√		1			
Office Room 100	HT (Res)	√		√		1			
Library 104	H/S	√		√		S-4			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: September 1st, 2016

Building Name: St. Joseph Address: 43 St. Clair Street, Tilbury

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Library 104	M	√		√		1			
Kitchen 102	RHT	√		√		1			
Main Entrance	M	√		√		1			
Room 133 B	RHT	√		√		1			
Staff Room Left 132	RHT	√		√		1			
Staff Room Right 132	RHT	√		√		1			
Staff Room Closet 132 A	RHT		X			1			*See Repairs List*
Slop Sink Room 135	RHT	√		√		1			
Hall By 135	H/S	√		√		S-2			
Room 136	S	√		√		1			
Room 139 A	RHT	√		√		1			
Hall By 136	M	√		√		1			
Exit By Gym	M	√		√		1			
Hall By 137	H/S	√		√		S-1			
Room 138	RHT	√		√		1			
Boys Change 139	RHT	√		√		1			Cage
Room 140B Storage	S	√		√		1			Cage
Hall By 140	S	√		√		1			Siga D:006
Exit By 140	M	√		√		1			
Stage Storage Left	HT	√		√		1			Elec. Tested
Stage Storage Right	HT	√		√		1			Elec. Tested
Gym Storage	RHT	√		√		1			
Gym	H/S	√		√		S-2			
Gym Left Exit	M	√		√		1			
Gym Right Exit	M	√		√		1			
Under Stage	RHT	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: September 1st, 2016

Building Name: St. Joseph Address: 43 St. Clair Street, Tilbury

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Gym Stage	HT	√		√		1			
Hall By Gym	H/S	√		√		S-1			EOL
By 124	H/S	√		√		S-3			
By 125	S	√		√		4			Siga D:009
By 123	S	√		√		4			Siga D:074
By 119	S	√		√		4			Siga D:005
By 121	S	√		√		4			Siga D:101
Room 122	H	√		√		S-4			EOL
Room 118	H	√		√		S-4			EOL
Room 117	H	√		√		S-4			
Room 112	H	√		√		S-4			
Room 109	H	√		√		S-3			
Room 105	H	√		√		S-3			
Library	H/S	√		√		S-3			
Room 133	H	√		√		S-3			
Room 136	H	√		√		S-2			
Room 139	H	√		√		S-2			
By 117	S	√		√		4			Siga D:010
By 116	S	√		√		4			Siga D:003
By 114	S	√		√		4			Siga D:011
By 112	S	√		√		4			Siga D:007
By 107	S	√		√		4			Siga D:033
By 101	S	√		√		4			Siga D:034
By 133	S	√		√		4			Siga D:001
By 137	S	√		√		4			Siga D:012
Gym Hall Exit	S	√		√		4			Siga D:002

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: September 1st, 2016

Building Name: St. Joseph Address: 43 St. Clair Street, Tilbury

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Room 124	H	√		√		S-3			
Room 114	H	√		√		S-4			
Room 113	H	√		√		S-3			
Room 133	H	√		√		S-2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: September 1st, 2016

Building Name: St. Joseph Address: 43 St. Clair Street, Tilbury

LOCATION	MODEL #	BATTERY	#	A	B	C	D	REMARKS
By Exit # 4	3LER4502MT9W	PA-6V7.2 (15)	2	6.99	10:25	170		
Hall By Room 140	RGC 442 MT 9W	CGB 6V7 (08)	2	6.75	10:27	200	X	*See Repairs List*
Hall By Room 129	RGC 442 MT 9W	CGB 6V7 (08)	2	6.80	10:29	100	X	*See Repairs List*
Hall by Room 132	NV12250/25RQW/AT	(3) BB12-7 (14)	2	6.89	10:31	210		
Hall by Room 125 Storage	3 LER	PA-6V7.2 (15)	2	6.97	10:33	150		
Hall by Room 122	3 LER	CGB 6V7 (08)	2	6.87	10:35	160	X	*See Repairs List*
Hall by Exit #3	3 LER	CGB 6V7 (08)	2	6.76	10:37	165	X	*See Repairs List*
Hall by Room 119 Storage	RGC442 MT 9W	CGB 6V7 (08)	2	6.77	10:39	171	X	*See Repairs List*
Hall by 115 Boys WC	RGC 442 MT 9W	PA-6V7.2 (15)	2	6.95	10:41	190		
Hall by Room 113	RGC 442 MT 9W	CGB 6V7 (08)	2	6.82	10:43	150	X	*See Repairs List*
Hall by 112	RGC 442 MT 9W	PA-6V7.2 (14)	2	6.89	10:45	167		
Hall by 107 Photocopy Rm	RGC 442 MT 9W	CGB 6V7 (08)	2	6.79	10:47	154	X	*See Repairs List*
Hall by Exit #5	3 LER	CGB 6V7 (08)	2	6.78	10:49	161	X	*See Repairs List*
Mech Room # 103	3 LER	E-WATT 6V7 (13)	2	6.93	10:51	179		
Hall by 100 Office	3 LER	CGB 6V7 (08)	2	6.75	10:53	181	X	*See Repairs List*
Library Exit	3 LER	CGB 6V7 (08)	2	6.81	10:55	179	X	*See Repairs List*
Library Exit to Hall	3 LER	CGB 6V7 (08)	2	6.80	10:57	158	X	*See Repairs List*
Main Entrance	3 LER	PA-6V7.2 (15)	2	6.99	10:59	210		
Main Entrance	RGC 442 MT 9W	PA-6V7.2 (14)	2	6.90	11:00	144		
Hall by Room 134 - Girls W/C	RGC 442 MT 9W	PA 6V7.2 (12)	2	6.87	11:02	161		
Hall by Room 136	3 LER	CGB 6V7 (08)	2	6.79	11:04	171	X	*See Repairs List*
Hall at Exit # 6	3 LER	CGB 6V7 (08)	2	6.69	11:06	183	X	*See Repairs List*
Hall by Exit # 6	RGC 442 MT 9W	CGB 6V7 (08)	2	6.71	11:09	175	X	*See Repairs List*
Hall by Exit # 9	3 LER	PA-6V7.2 (14)	2	6.83	11:11	198		
Gym Exit to Hall	3 LER	CGB 6V7 (08)	2	6.77	11:14	168	X	*See Repairs List*
Gym NW Exit	3 LER	CGB 6V7 (08)	2	6.76	11:16	166	X	*See Repairs List*
Gym NE Exit	3 LER	CGB 6V7 (08)	2	6.78	11:18	173	X	*See Repairs List*

Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

ANDERSON'S ELECTRONICS Inc.

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FIRE ALARM & EMERGENCY LIGHTING
REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
1	Staff Room Closet 132 A	RHT	Replaced Device w/ (1) 5601A Heat Detector	09/01/2016
	Emergency Lighting			
1	Hall By Room 140	RGC 442 MT 9W	Replaced Battery w/ (1) Panasonic PA-6V7.2	09/01/2016
2	Hall By Room 129	RGC 442 MT 9W	Replaced Battery w/ (1) Panasonic PA-6V7.2	09/01/2016
3	Hall by Room 122	3 LER	Replaced Battery w/ (1) Panasonic PA-6V7.2	09/01/2016
4	Hall by Exit #3	3 LER	Replaced Battery w/ (1) Panasonic PA-6V7.2	09/01/2016
5	Hall by Room 119 Storage	RGC442 MT 9W	Replaced Battery w/ (1) Panasonic PA-6V7.2	09/01/2016
6	Hall by Room 113	RGC 442 MT 9W	Replaced Battery w/ (1) Panasonic PA-6V7.2	09/01/2016
7	Hall by 107 Photocopy Rm	RGC 442 MT 9W	Replaced Battery w/ (1) Panasonic PA-6V7.2	09/01/2016
8	Hall by Exit #5	3 LER	Replaced Battery w/ (1) Panasonic PA-6V7.2	09/01/2016
9	Hall by 100 Office	3 LER	Replaced Battery w/ (1) Panasonic PA-6V7.2	09/01/2016
10	Library Exit	3 LER	Replaced Battery w/ (1) Panasonic PA-6V7.2	09/01/2016
11	Library Exit to Hall	3 LER	Replaced Battery w/ (1) Panasonic PA-6V7.2	09/01/2016
12	Hall by Room 136	3 LER	Replaced Battery w/ (1) Panasonic PA-6V7.2	09/01/2016
13	Hall at Exit # 6	3 LER	Replaced Battery w/ (1) Panasonic PA-6V7.2	09/01/2016
14	Hall by Exit # 6	RGC 442 MT 9W	Replaced Battery w/ (1) Panasonic PA-6V7.2	09/01/2016
15	Gym Exit to Hall	3 LER	Replaced Battery w/ (1) Panasonic PA-6V7.2	09/01/2016
16	Gym NW Exit	3 LER	Replaced Battery w/ (1) Panasonic PA-6V7.2	09/01/2016
17	Gym NE Exit	3 LER	Replaced Battery w/ (1) Panasonic PA-6V7.2	09/01/2016

Additional Comments:

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: September 1st, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BD.

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

SAINT JOSEPH, 43 ST. CLAIR STREET, TILBURY

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS ALSO COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Kevin Bury	CONFIRMED BY:	Jim Anderson
CFAA #:	19-995199		
FA. REP'S TECH:	Kevin Bury	DATED:	September 1st, 2016
CFAA #:	19-995199		

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FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: July 8th, 2016

Building Name: St. Matthews Catholic School

Address: 720 Elm Street, Sarnia

Security/Fire Alarm Panel [Make / Model]: Edwards EST Quickstart

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm Systems	√		
E	The fire alarm system documentation is on site and includes a description of the system	√		
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages			√
H	Comments: *Repairs not Required			
I	A copy of this report has been given to: Paul Lernout Who is the; Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Kevin Bury

CFAA #: 19-995199

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

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FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre	√		
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	DAMAR- 114625 Meteors
	Phone Number	1 (800) 265-7562

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: 2010 Revision: 5 Version:			
Record the date, revision and version of the program software:			√
Date: 2010 Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Room # 153
Control unit or transponder identification	Edwards EST

ANDERSON'S ELECTRONICS Inc.

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Room 153
Circuit breaker or disconnect means location	Room 105A- DPI CCT 10

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		FACP - Enersys NP18-12B	BPS- Enersys NP7-12
Battery manufacturer's date code or ins service date	Date	2013	2013
Battery Voltage (main power supply 'ON') is	Voltage	27.20	26.40
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.60	25.70
	Current (A)	0.296	0.048
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.30	24.40
	Current (A)	0.44	3.143
The charging current is	Current (mA)	471	597

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test;			√
(iv) A battery capacity meter test; or	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity.	AH	17.2	7
Record the battery terminal voltage after tests are completed.	VDC	27.00	26.50

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): FACP 7.33 / Booster 2.74

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory input zone clearly indicated and separately designated			√
Individual alarm and supervisory input zone designation labels are properly identified			√
Common trouble signal operates			√
Visual indicator test (lamp test) operates			√
Displays are visible in the installed location			√
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements			√
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power			√

Annunciator or remote trouble signal unit location	N/A
Annunciator or remote trouble signal unit identification	N/A

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates	√		
Individual alarm and supervisory zone indication operates (see exception)	√		
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation: Both			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised	√		
Alarm signal silence visual indicator operates.	√		
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.	√		
Common trouble signal operates.	√		
Visual indicator test (lamp test) operates.	√		
Displays are visible in the installed location.	√		
Operates on emergency power	√		
Manual activation of alarm signal and indication operates.	√		
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	Main Entrance
Annunciator or sequential display identification	EST

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√
Remote trouble signal unit locations	N/A		
Remote trouble signal unit identification	N/A		

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√
Printer Location	N/A		
Printer Identification	N/A		

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)	√		
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or	√		
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√
Control Unit or Transponder Location	N/A		
Control Unit or Transponder Identification	N/A		
Data Communication link identification	Loop Class A		

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm, Trouble, Supervisory)	√		
Fan Shutdown	√		
Door Holders	√		
Corridor Lighting Control	√		

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 8th, 2016

Address: 720 Elm Avenue, Sarnia Building Name: St. Matthews

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Zone 1.1 East School									
Northwest Lobby	S (Siga PS)	√		√		1.1			006
Above Chapel	S (Siga PS)	√		√		1.1			007
Northeast Lobby	S (Siga PS)	√		√		1.1			008
Southeast Lobby	S (Siga PS)	√		√		1.1			009
Office South	S (Siga PS)	√		√		1.1			010
Office North	S (Siga PS)	√		√		1.1			011
Gym Lobby Southeast	S (Siga PS)	√		√		1.1			012
Gym Lobby Southwest	S (Siga PS)	√		√		1.1			013
Gym Lobby North	S (Siga PS)	√		√		1.1			014
Hall By Room 108	S (Siga PS)	√		√		1.1			015
Hall By Room 112	S (Siga PS)	√		√		1.1			016
Hall By Room 114	S (Siga PS)	√		√		1.1			017
Hall By Room 116	S (Siga PS)	√		√		1.1			018
Hall By Room 118	S (Siga PS)	√		√		1.1			019
Hall By Girls Washroom Rm # 119	S (Siga PS)	√		√		1.1			020
Hall By Room 124	S (Siga PS)	√		√		1.1			021
Hall By Room 126	S (Siga PS)	√		√		1.1			022
Hall By Girls W/C West Rm #131	S (Siga PS)	√		√		1.1			024
Northeast Exit by Rm 120	M (270/SPO)	√		√		1.1			133
Main Entrance	M (270/SPO)	√		√		1.1			136

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 8th, 2016

Address: 720 Elm Avenue, Sarnia Building Name: St. Matthews

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Zone 1.2 West									
Hall By Daycare	S (Siga PS)	√		√		1.2			001
Hall By Southwest Entrance	S (Siga PS)	√		√		1.2			002
Hall By Library West	S (Siga PS)	√		√		1.2			003
Hall By Library Centre	S (Siga PS)	√		√		1.2			004
Hall By Library East	S (Siga PS)	√		√		1.2			005
Hall By Room 132	S (Siga PS)	√		√		1.2			025
Hall By Room 134	S (Siga PS)	√		√		1.2			026
Hall By Room 140A	S (Siga PS)	√		√		1.2			027
Room 140A Coat Room	S (Siga PS)	√		√		1.2			028
Hall By Room 140B	S (Siga PS)	√		√		1.2			029
Hall By Room 150A	S (Siga PS)	√		√		1.2			030
Room 150 Coat Room	S (Siga PS)	√		√		1.2			031
Hall By Room 150B	S (Siga PS)	√		√		1.2			032
Daycare Entrance	S (Siga PS)	√		√		1.2			034
Preschool Playroom	S (Siga PS)	√		√		1.2			035
Daycare Cubbies	S (Siga PS)	√		√		1.2			036
Storage Room 135	S (Siga PS)	√		√		1.2			042
Southwest Exit (Exit by Daycare)	M (270/SPO)	√		√		1.2			127
Daycare West Exit	M (270/SPO)	√		√		1.2			128
Room 150 Exit	M (270/SPO)	√		√		1.2			129
Room 140 Exit	M (270/SPO)	√		√		1.2			130
Northwest Exit By Room 130	M (270/SPO)	√		√		1.2			132

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 8th, 2016

Address: 720 Elm Avenue, Sarnia Building Name: St. Matthews

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Zone 1.3 Gym									
IT Room	S (Siga PS)	√		√		1.3			033
Multipurpose Room West	S (Siga PS)	√		√		1.3			023
Zone 2.1- Penthouse									
Top of Stair	S (Siga PS)	√		√		2.1			037
Penthouse	DS	√		√		2.1			047
Penthouse	DS	√		√		2.1			048
Penthouse	DS	√		√		2.1			049
Top of Stair	M	√		√		2.1			150

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM- AUDIBLES

INDIVIDUAL DEVICE RECORD

Date: July 8th, 2016

Address: 720 Elm Avenue, Sarnia Building Name: St. Matthews

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Hall By 118	H/S	√		√					
Hall By 114	H/S	√		√					
Hall By 110	H/S	√		√					
Hall By 122	H/S	√		√					
Hall By 126	H/S	√		√					
Multipurpose West	H/S	√		√					
Stage	H/S	√		√					
Hall By Room 130	H/S	√		√					
Hall By Room 134	H/S	√		√					
Hall By Kindergarten	H/S	√		√					
Kindergarten Room 140	H/S	√		√					
Kindergarten Room 140 Coat Rm	H/S	√		√					
Hall By FACP	H/S	√		√					
Kindergarten Room 150	H/S	√		√					
Kindergarten Room 150 Coat Rm	H/S	√		√					
Hall By Daycare	H/S	√		√					
Daycare Hall West	H/S	√		√					
Daycare Hall East	H/S	√		√					
Hall By Library West	H/S	√		√					
Hall By Library East	H/S	√		√					
Gym Lobby	H/S	√		√					
Main Lobby	H/S	√		√					
Library East	H/S	√		√					
Library West	H/S	√		√					
Office	H/S	√		√					

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 8th, 2016

Address: 720 Elm Avenue, Sarnia Building Name: St. Matthews

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Gym East Wall	H/S	√		√					
Gym North Wall	H/S	√		√					
Gym West Wall	H/S	√		√					
Gym South Wall	H/S	√		√					
Penthouse West	H/S	√		√					
Penthouse East	H/S	√		√					
FACP	EOL	√					√		Signal
FACP	EOL	√					√		Signal

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 8th, 2016

Address: 720 Elm Avenue, Sarnia Building Name: St. Matthews

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Zone SV-1.3									
Penthouse	CT-1	√				1.3	√		145
Penthouse	EOL	√				1.3	√		
Penthouse	SV	√				1.3	√		
Zone SV-2.1									
Penthouse	CT-1	√				2.1	√		146
Penthouse	EOL	√				2.1	√		
Penthouse	SV	√				2.1	√		
Zone SV-3									
Penthouse	CT-1	√				3	√		147
Penthouse	EOL	√				3	√		
Penthouse	SV	√				3	√		
Zone FS 1.1									
1st Floor Sprinkler Rm (105A)	CT2	√				1.1	√		
East Wing Flow	FS	√				1.1	√		142
1st Floor Sprinkler Room	EOL	√				1.1	√		
Zone FS 1.2									
1st Floor Sprinkler Rm (105A)	CT2	√				1.2	√		
West Wing Flow	FS	√				1.2	√		141
1st Floor Sprinkler Room	EOL	√				1.2	√		

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 8th, 2016

Address: 720 Elm Avenue, Sarnia Building Name: St. Matthews

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Zone SV 1									
1st Floor Sprinkler Rm (105A)	CT2	√				1			
Main Incoming #1	SV	√				1	√		138
1st Floor Sprinkler Room	EOL	√				1	√		
Zone SV 2									
1st Floor Sprinkler Rm (105A)	CT2	√				2			
Main Incoming #3	SV	√				2	√		137
1st Floor Sprinkler Room	EOL	√				2	√		
Zone SV 1.1									
1st Floor Sprinkler Rm (105A)	CT2	√				1.1			
East Wing	SV	√				1.1	√		139
1st Floor Sprinkler Room	EOL	√				1.1	√		
Zone SV 1.2									
1st Floor Sprinkler Rm (105A)	CT2	√				1.2			
West Wing	SV	√				1.2	√		140
1st Floor Sprinkler Room	EOL	√				1.2	√		
Zone FS 1.3									
Penthouse	CT2	√				1.3			
Penthouse	FS	√		√		1.3			148
Penthouse	EOL	√		√		1.3			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 8th, 2016

Address: 720 Elm Avenue, Sarnia Building Name: St. Matthews

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Zone FS 2.1									
Penthouse	CT2	√				2.1			
Penthouse	FS	√		√		2.1			149
Penthouse	EOL	√		√		2.1			
Isolators									
In Storage 135	ISO	√							038
In Storage 135	ISO	√							041
In Stage Kitchen	ISO	√							039
In Stage Kitchen	ISO	√							040
Across Room 134	ISO	√							043
Across Room 134	ISO	√							044
In Sprinkler Room	ISO	√							045
In Outdoor Storage	ISO	√							046
In Penthouse	ISO	√							050
In Penthouse	ISO	√							051
Hall @ Room 126	ISO	√							052
Hall @ Room 126	ISO	√							053
Control Relays									
Daycare Kitchen	CR	√							126
Learning/Resource	CR	√							134
Office	CR	√							135
Stage Kithcen	CR	√							131
In Penthouse	CR	√							144

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING
INDIVIDUAL DEVICE RECORD

Date: July 8th, 2016

Address: 720 Elm Avenue, Sarnia

Building Name: St. Matthew

LOCATION	MODEL #	BATTERY	RH #	A	B	C	REMARKS
Electrical- Room 105A	RG12S250	(4) PA-6V12 (15)	19	13.47	12:13		EB-1 Panel A CCT 60
Stroller Storage- Room 157	RG12S250	(4) PA-6V12 (15)	15	13.75	12:12		EB-2 Panel B CCT 42
Room 125B- off Room 125	RG12S250	(4) PA-6V12 (15)	20	13.91	12:14		EB-3 Panel C CCT 60
Room 135 Storage	RG12S250	(4) PA-6V12 (15)	20	13.81	12:15		EB-4 Panel D CCT 10
Custodian- Room 115	RG12S250	(4) PA-6V12 (15)	20	13.97	12:10		EB-5 Panel E CCT 10
Mechanical Room- 2nd Floor	RG12S250	(4) PA-6V12 (15)	8	13.86	12:13		M4 Panel
Coat Room # 140, Exit # 14	5LER4502MT9W	(2) PA-6V12 (15)	4	13.87	12:09		
Coat Room # 150, Exit # 15	5LER4502MT9W	(2) PA-6V12 (15)	4	13.89	12:11		
Room 106 By W/C	RG125250	(4) PA-6V12 (15)	8	13.92	12:13		EB-6 Panel A CCT 3
Panel A- Electrical Room 105A							
Panel B- Day Care Hall							
Panel C- Rm # 125							
Panel D- Hall by Rm 135							
Panel E- Rm 115							
Panel M4- 2nd Floor							

RH # - Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Requires Service, Repairs, Missing

ANDERSON'S ELECTRONICS Inc.

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FIRE ALARM & EMERGENCY LIGHTING
REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
	Repairs Not Required			
	Emergency Lighting			
	Repairs Not Required			
	Sprinkler & Fire Hydrant			
	Repairs Not Required			

Additional Comments:

ANDERSON'S ELECTRONICS Inc.

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

C&H FIRE SUPPRESSION SYSTEMS INC.

183 Exeter Road, Unit A
London, Ontario
PHONE (519) 652-5086
FAX (519) 652-8719

Fire Suppression Inspection Report

Report To:	**Anderson's Electronic's**	Location:	**St.Mattews**
Building Occupancy Type:	**Institutional**	Hazard:	**Light & Ordinary**
Address:	**720 Elm Ave**	Inspector:	**T.Neves**
City/Province:	**Sarnia** **Ontario**	Date:	**July 8, 2016**

Where used in this report, **N/A** means not applicable
Deficiencies involving the issuance of a Certificate Of Compliance will be answered with a **"NO"** and addressed in section #15

1. GENERAL:

a) Is the building occupied according to information furnished by the owner?	YES
b) Is the occupancy the same as the previous inspection according to information supplied by owner?	YES
c) Are all systems in service?	YES
d) Are all systems the same as the last inspection according to information from the owner?	YES
e) Is the building completely sprinklered?	YES
f) Are all areas accessed in the building properly protected?	YES
g) Is all storage and stock below sprinkler piping?	YES
h) Has the building been free of fires since the last inspection?	YES
i) Where there are wet systems, is the building properly heated to prevent the pipes from freezing?	YES

2. CONTROL VALVES:

a) Are all main control valves open?	YES
b) Are all valves in good condition?	YES
c) Are all valves sealed or supervised?	SUPERVISED
d) Did the electronic supervisory switches operate?	YES

3. WATER SUPPLIES:

a) Was a flow test done using a 2" drain?	(1-1/4")	YES
b) The static pressure was?		66
c) The residual pressure was?		52
d) Type of water supply?		MUNICIPAL
e) Does the fire protection incoming water supply have a backflow preventor?		YES
f) Has the backflow preventor been tested for cross contamination?		NO

4. TANKS, PUMPS & SIAMESE:

a) Are siamese connections in good condition, couplings spin freely, caps in place and ball drips open? (Chrome)	Yes

5. FIRE HYDRANTS:

a) Was the hydrant road box valve found?	YES
b) Does the hydrant road box valve appear to be open?	YES
c) Did the fire hydrant open & operate properly?	YES
d) Was the bonnet "O " ring lubricated?	YES
e) Were the outlet caps in place and tight?	YES
f) Was water flowed from the hydrant?	YES
g) Did the water drain from the barrel properly?	NO
h) Was a flow test done?	YES

Hydrant # 1:

i) The static pressure was?			**70**
j) The pitot reading from an engineered playpipe was	**39**	Using an outlet size of	2.5
k) The USGPM results are?			**1048**

6. WET SYSTEMS:

# of wet systems: Make & Model: **Valve & flow switches**

a) Are alarm valves in good condition?	N/A
b) Are the flow switches working and in good condition?	YES
c) Did the water motor gong test satisfactorily?	N/A
d) Are the low pressure switches working and in good condition?	N/A
e) The low pressure switch operates at?	N/A
f) Is the excess pressure pump functional?	N/A
g) Is the valve trimmed properly?	N/A
h) The operation of the excess pressure pump is?	N/A
i) The excess pressure pump automatically starts at?	N/A
j) The excess pressure pump automatically stops at?	N/A

7. DRY SYSTEMS: N/A

8. ANTI-FREEZE SYSTEMS: N/A

9. SPECIAL SYSTEMS: N/A

10. STANDPIPE SYSTEMS: N/A

11. SPRINKLERS & PIPING:

a) Are all sprinklers in good condition, free from obstruction, corrosion and loading?	Yes
b) Are the sprinklers less than 50 years old?	Yes
c) Are there spare sprinklers and a wrench in the head cabinet?	Yes
d) Is the condition of the piping, drain valves, hangers and gauges in good condition?	Yes
e) Have the sprinklers been checked for the proper temperature rating in various locations where possible?	Yes

12. CONTROL VALVES & DEVICE LIST:

Zone or Location	Device	Supplies	Condition
Rm 105A	4" BF Valve	Backflow Incoming	Operational
Rm 105A	4" BF Valve	Backflow Discharge	Operational
Rm 105A	4" Backflow	Sprinkler System	Operational
Rm 105A	2-1/2" B.Fly Valve	East Sprinklers	Operational
Rm 105A	2-1/2" Flow Switch	East Sprinklers	Operational
Rm 105A	3" B.Fly Valve	West Sprinklers	Operational
Rm 105A	3" Flow Switch	West Sprinklers	Operational
Stairwell 1.1	4" B.Fly Valve	Main-Gym&Mech Rm	Operational
Mech.Rm.	3" B.Fly Valve	Mech. Rm. Sprinklers	Operational
Mech.Rm.	3" Flow Switch	Mech. Rm. Sprinklers	Operational
Mech.Rm.	2-1/2" B.Fly Valve	Gym Sprinklers	Operational
Mech.Rm.	2-1/2" Flow Switch	Gym Sprinklers	Operational

13. LISTED ARE RECENT CHANGES IN THE BUILDING OCCUPANCY OR FIRE PROTECTION EQUIPMENT:

NONE

14. THE FOLLOWING ARE CORRECTIONS MADE AT THE TIME OF INSPECTION:

NONE

15. DEFICIENT ITEMS:

NONE

The above items are deficient as per The Ontario Fire Code and need to be corrected immediately. A certificate of inspection cannot be issued until all items under section #15 have been addressed. Consultation with the local fire prevention office is suggested, if discrepancies occur

16. THE FOLLOWING ITEMS ARE RECOMMENDATIONS ONLY:

NONE

17. FITTERS NOTES:

*Hydrants drain VERY slow.

NOTE: This inspection/test was performed in accordance with The Ontario Fire Code. This inspection does **NOT** certify that the sprinkler system installation complies with NFPA, OBC or Ontario Retrofit Reg. #627/92 (an engineer's report would be required to certify this).

• ***LIMITATION OF LIABILITY:*** *It is understood and agreed that the* ***INSPECTOR*** *is* ***NOT*** *an insurer and is* ***NOT*** *warranting or guaranteeing the adequacy, performance or life expectancy of any structure, item, component or system in the building. Further, it is mutually agreed that the maximum amount of joint and several liability the* ***INSPECTOR*** *can incur for any error, mistakes, omissions, breach of contract, breach of warrantee, negligent hiring, or any other theory of liability including violation of a statute or consumer protection act is strictly limited to the* ***FEE PAID*** *for the inspection report.*

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: July 8th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

SAINT MATTHEWS CATHOLIC SCHOOL, 720 ELM STREET, SARNIA

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04. THE SPRINKLER SYSTEM & FIRE HYDRANT HAVE ALSO BEEN INSPECTED AT THIS LOCATION.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS ALSO COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Kevin Bury	CONFIRMED BY:	Jim Anderson
CFAA #:	19-995199		
FA. REP'S TECH:	Kevin Bury	DATED:	July 8th, 2016
CFAA #:	19-995199		

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
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FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: August 16th, 2016

Building Name: St. Michael's

Address: 1930 Wildwood Drive, Bright's Grove

Security/Fire Alarm Panel [Make / Model]: Mircom FA-1000

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm Systems	√		
E	The fire alarm system documentation is on site and includes a description of the system	√		
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages	√		
H	Comments: * All repairs completed during inspection			
I	A copy of this report has been given to: Paul Lernout @ SCCDSB Who is the; Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Martin Archibald

CFAA #: 19-992091

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

ANDERSON'S ELECTRONICS Inc.

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CANADIAN FIRE ALARM ASSOCIATION

FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre			√
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	Damar- 114659 (Crusaders)
	Phone Number	(519) 336-7111

ANDERSON'S ELECTRONICS Inc.

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Side Entrance
Control unit or transponder identification	Mircom 1000

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Side Entrance
Circuit breaker or disconnect means location	Boiler Room

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		(4) Panasonic LCR0612
Battery manufacturer's date code or ins service date	Date	2013
Battery Voltage (main power supply 'ON') is	Voltage	26.90
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.30
	Current (A)	0.170
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.00
	Current (A)	0.360
The charging current is	Current (mA)	180

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	6
Record the battery terminal voltage after tests are completed.	VDC	26.00

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 4.26

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory input zone clearly indicated and separately designated			√
Individual alarm and supervisory input zone designation labels are properly identified			√
Common trouble signal operates			√
Visual indicator test (lamp test) operates			√
Displays are visible in the installed location			√
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements			√
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power			√

Annunciator or remote trouble signal unit location	N/A
Annunciator or remote trouble signal unit identification	N/A

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	N/A
Annunciator or sequential display identification	N/A

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√
Remote trouble signal unit locations	N/A		
Remote trouble signal unit identification	N/A		

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√
Printer Location	N/A		
Printer Identification	N/A		

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√
Control Unit or Transponder Location	N/A		
Control Unit or Transponder Identification	N/A		
Data Communication link identification	N/A		

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm & Trouble)	√		
Door Holders	√		

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 16th, 2016

Building Name: St. Michael's Address: 1930 Wildwood Drive, Brights Grove

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
South Exit By FACP	M	√		√		3			
140 Storage	HT	√		√		3			Elec. Tested
138 Electrical	HT-R	√		√		3			
Hall By Gym	H	√		√		S-1			
Boys Changeroom Storage 139	RHT	√		√		3			
Girls Changeroom Storage 125	RHT	√		√		3			
Hall To Gym Storage 131	RHT	√		√		3			
Room 129	RHT	√		√		3			
Gym Front on Ceiling	RHT	√		√		3			Cage
Gym Center	RHT	√		√		3			Cage
Gym Rear	RHT	√		√		3			Cage
Gym	H	√		√		S-1			Cage
Gym Exit Right - Door #9	M	√		√		3			
Gym Exit Left	M	√		√		3			
Gym Storage Right- At Exit	RHT	√		√		3			
Gym Storage Left - At Kitchen	RHT	√		√		3			
932 Kitchen	HT	√		√		2			Elect. Tested
931 Kitchen Storage/Maint. Supplies 123	RHT	√		√		2			
134 Coat Room	RHT	√		√		1			
Coat Room Exit #7	M	√		√		1			
Hall By 123	H	√		√		S-2			
Room 107	RHT	√		√		1			
Janitor at 104	RHT	√		√		2			
119 Off Library	RHT	√		√		2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1451A	*0.98-2.1 (Mod 400)*
2451A	*2.3-3.7 (Solo Trutest)*
2451A	*0.98-2.1 (Mod 400)*

ANDERSON'S ELECTRONICS Inc.

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London, Ontario N6H 5L8
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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 16th, 2016

Building Name: St. Michael's Address: 1930 Wildwood Drive, Brights Grove

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Library Front	RHT	√		√		1			
Library Rear	RHT	√		√		1			
Library Office 101A	RHT	√		√		2			
Hall By Staff Room	H	√		√		S-2			
Staff Room Entrance 117	RHT	√		√		2			
Staff Room 117C	S (2451A)	√		√		2			RB
Staff Room Kitchen 117C	RHT	√		√		2			
Staff Room Rear 117D	S (2451A)	√		√		4			RB
Staff Rear 117D Door # 6	M	√		√		4			
Staff Room	Door Holders	√		√		AUX			
Room 124B	RHT	√		√		3			
Room 124C	RHT	√		√		2			
Janitor Room 12E	RHT	√		√		2			Elect. Tested
Storage Room 121	RHT	√		√		2			
124 Exit # 9	M	√		√		2			
Hall By 942A	S (2451A)	√		√		2			Relay Door Holders
Exit By 947	M	√		√		6			
Exit By 937	S (2451A)	√		√		6			Relay Door Holders
Exit By 947	H	√		√		S-2			
Room 100B	RHT	√		√		1			
Main Entrance- Exit #1	M	√		√		1			
Secretary's Office- 100	RHT	√		√		1			
Hall @ 942	Door Holders	√		√		AUX			
100B at 100C Office Meeting Room	RHT		X						*See Repairs List*

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1451A	*0.98-2.1 (Mod 400)*
2451A	*2.3-3.7 (Solo Trutest)*
2451A	*0.98-2.1 (Mod 400)*

ANDERSON'S ELECTRONICS Inc.

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 16th, 2016

Building Name: St. Michael's Address: 1930 Wildwood Drive, Brights Grove

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Principal - Room 100A	RHT	√		√		1			
142 Work Room	RHT	√		√		1			
Hall By Office	H	√		√		S-2			
Room 122 @ Window	RHT	√		√		1			Elec. Test
Room 122	RHT	√		√		1			Elec. Test
Hall By 117	H	√		√		S-2			
Hall By 112	S (1451A)	√		√		1			RB Door Relay
Hall By 116 Exit #7	M	√		√		1			
Exit 3 at 116	H	√		√		S-2			
NW Exit at 114- Exit #2	M	√		√		5			
NW Exit at 114	S (1451A)	√		√		5			RB
NW Exit	Door Holders	√		√		AUX			
Room 122A- Math Room	RHT	√		√		2			
Hall at 118	M	√		√		2			
Hall at 118	S	√		√		2			RB

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1451A	*0.98-2.1 (Mod 400)*
2451A	*2.3-3.7 (Solo Trutest)*
2451A	*0.98-2.1 (Mod 400)*

ANDERSON'S ELECTRONICS Inc.

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CANADIAN FIRE ALARM ASSOCIATION

CAN/ULC
EMERGENCY LIGHTING
INDIVIDUAL DEVICE RECORD

Date: August , 2016

Building Name: St. Michael's Address: 1930 Wildwood Drive, Brights Grove

LOCATION	MODEL #	BATTERY	#	A	B	C	D	REMARKS
By 901	RG 36 A – 3	6V12 (15)	3	7.10	9:20	.401		
By 908	RG 36 A – 4	PA-6V12 (10)	4	6.80	9:20	.550	X	*See Repairs List*
By 911	RG 36 A – 2	PA-6V12 (15)	2	6.99	9:20	.450		
By 913	RGC 44 2MT9W	PA-6V12 (14)	2	6.87	9:20	.501		
By 939	RG 36 A – 2	6V12 (14)	2	6.86	9:22	.310		
By 940	RG 36 A – 3	6V12 (14)	3	6.93	9:22	.340		
Off Room 944- Exit Out	RG 36 LMC – 2	PA-6V7.2 (12)	2	6.81	9:22	.350		
By 920	RG 36 A – 2	6V12 (14)	3	6.80	9:23	.550		
In 925 (Boys Changeroom)	RG 36 A – 3	PA-6V12 (14)	3	6.79	9:23	.500		
In 929 off 927 (Girls Changeroom)	RG 36 A – 3	PA-6V12 (09)	2	6.79	9:23	-	X	*See Repairs List*
By 926 (Gym Entrance)	RG 36 A – 4	PA-6V12 (08)	4	6.82	9:23	-	X	*See Repairs List*
Gym Right by Exit 9	PXM 36 – 2	PA-6V7.2 (11)	2	6.86	9:23	-	X	*See Repairs List*
Gym Left	PXM 36 – 2	PA-6V7.2 (15)	2	7.00	9:23	.550		

#- Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

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FIRE ALARM & EMERGENCY LIGHTING
REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
1	100B at 100C Office Meeting	RHT	Replaced Device w/ (1) 5601A Heat Detector	08/16/2016
	Emergency Lighting			
1	By 908	RG 36 A – 4	Replaced Battery w/ (1) Panasonic PA-6V12	08/16/2016
2	In 929 off 927 (Girls Changeroom)	RG 36 A – 3	Replaced Battery w/ (1) Panasonic PA-6V12	08/16/2016
3	By 926 (Gym Entrance)	RG 36 A – 4	Replaced Battery w/ (1) Panasonic PA-6V12	08/16/2016
4	Gym Right by Exit 9	PXM 36 – 2	Replaced Battery w/ (1) Panasonic PA-6V7.2	08/16/2016
	Sprinkler and/or Hydrant Testing			
	Repairs not Required			

Additional Comments:

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Phone: (519) 657-2063
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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

183 Exeter Road, Unit A
London, Ontario
PHONE (519) 652-5086
FAX (519) 652-8719

Hydrant Inspection Report

Report To:	**Andersons Electronics**	Location:	**St. Michaels**
Address:	**1931 Wildwood Street**	Inspector:	**T.Neves**
City/Prov:	**Bright's Grove**	Date:	**July 6, 2016**

Where used in this report, N/A means not applicable
Deficiencies involving the issuance of a Certificate Of Compliance will be answered with a "NO" and addressed in section # 6

1. GENERAL:

a) Are the hydrant(s) free from obstructions and accessible?	YES
b) Are the hydrant(s) visible and clearly marked?	YES

2. WATER SUPPLIES:

a) Was a flow test done?	YES
b) Was water flowed from the hydrant for a minimum time of one minute with the valve fully open?	YES
c) Was the water free of debris?	YES
d) Type of water supply?	City Water Supply

3. FIRE HYDRANTS:

a) Was the hydrant valve found?			YES
b) Was the hydrant valve open?			YES
c) Did the fire hydrant open & operate properly?			YES
d) Was the bonnet "O " ring lubricated?			YES
e) Were the outlet caps in place and tight?			YES
f) Was water flowed from the hydrant?			YES
g) Did the water drain from the barrel properly?			YES
h) Was a flow test done?			YES
i) The static pressure was?			**64**
j) The pitot reading from an engineered playpipe was	**36**	Using an outlet size of	**2.5**
k) The USGPM results are?			**1007**

4. Listed are recent changes in the building occupancy or fire protection equipment:

NONE

5. The following are corrections made at the time of inspection:

NONE

6. The following items are deficient as per The Ontario Fire Code and need to be corrected immediately:

NONE

The certificate of inspection cannot be issued until all items under section #6 have been completed.

7. The following items are recommendations only.

NONE

LIMITATION OF LIABILITY: It is understood and agreed that the **INSPECTOR** is **NOT** an insurer and is **NOT** warranting or guaranteeing the adequacy, performance or life expectancy of any structure, item, component or system in the building. Further, it is mutually agreed that the maximum amount of joint and several liability the **INSPECTOR** can incur for any error, mistakes, omissions, breach of contract, breach of warrantee, negligent hiring, or any other theory of liability including violation of a statue or consumer protection act is strictly limited to the **FEE PAID** for the inspection report.

NOTE: This inspection/test was performed in accordance with The Ontario Fire Code. This inspection does NOT certify that the fire hydrant installation complies with NFPA, OBC or Ontario Retrofit Reg. #627/92 (an engineer's report would be required to certify this).

As per the requirements of The Ontario Fire Codes, the inspecting company must submit this report to the local Fire Prevention office

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: August 16th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BD.

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

ST. MICHAEL, 1930 WILDWOOD DRIVE, BRIGHTS GROVE

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04. THE FIRE HYDRANT AT THIS LOCATION WAS ALSO TESTED.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Martin Archibald	CONFIRMED BY:	Jim Anderson
CFAA #:	19-992091		
FA. REP'S TECH:	Martin Archibald	DATED:	August 16th, 2016
CFAA #:	19-992091		

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: August 16th, 2016

Building Name: St. Michaels Catholic School

Address: 25 Maple Street South, Ridgetown

Security/Fire Alarm Panel [Make / Model]: Siemens FS-250

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm Systems	√		
E	The fire alarm system documentation is on site and includes a description of the system	√		
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages	√		
H	Comments: * Repairs completed as of August 29th, 2016			
I	A copy of this report has been given to: Paul Lernout Who is the; Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Martin Archibald

CFAA #: 19-992091

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

ANDERSON'S ELECTRONICS Inc.

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FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation; [X] YES [ ] NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre			√
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	DAMAR- 883338 Cardinals
	Phone Number	(519) 351-0060

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Custodian Room # 42
Control unit or transponder identification	Siemens

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Custodian Room # 42
Circuit breaker or disconnect means location	Custodian Room

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		Panasonic LCR0612P
Battery manufacturer's date code or ins service date	Date	2013
Battery Voltage (main power supply 'ON') is	Voltage	27.30
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.20
	Current (A)	0.303
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	24.90
	Current (A)	0.834
The charging current is	Current (mA)	1351

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity.	AH	12
Record the battery terminal voltage after tests are completed.	VDC	26.40

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 7.81

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates	√		
Individual alarm and supervisory input zone clearly indicated and separately designated	√		
Individual alarm and supervisory input zone designation labels are properly identified	√		
Common trouble signal operates	√		
Visual indicator test (lamp test) operates	√		
Displays are visible in the installed location	√		
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements	√		
Alarm signal silence visual indicator operates	√		
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power	√		

Annunciator or remote trouble signal unit location	Main Entrance
Annunciator or remote trouble signal unit identification	Siemens

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	N/A
Annunciator or sequential display identification	N/A

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√
Remote trouble signal unit locations	N/A		
Remote trouble signal unit identification	N/A		

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√
Printer Location	N/A		
Printer Identification	N/A		

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√
Control Unit or Transponder Location	N/A		
Control Unit or Transponder Identification	N/A		
Data Communication link identification	Loop		

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm, Trouble)	√		
Door Holders	√		

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 29th, 2016

Building Name: St. Michael Address: 25 Maple Street South, Ridgetown

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Exit North by 14	M (#8)	√		√		1			1001
Hall by 14	B	√		√		S-1			
Hall by 14	S	√		√		2			1028
Room 14	RHT	√		√		3			1011
Room 14	B	√		√		S-1			
Room 22 (15)	RHT	√		√		3			1010
Room 22 (15)	B	√		√		S-1			
Hall @ Library	Door Holders	√		√					
Hall @ Library	S	√		√		2			1029
In Library	RHT	√		√		3			1024
In Library	B	√		√		S-1			
Library Office 58	RHT	√		√		3			1009
Library Storage 5	RHT	√		√		3			1047
Hall by Class 12	B	√		√		S-1			
In Class 12	B	√		√		S-1			
Class 12 Coat Room	S	√		√		2			1030
Class 12 Coat Room Exit	M	√		√		1			1008
Hall to Stage	S	√		√		2			1031
Photocopy Room 14	RHT	√		√		3			1012
Photocopy Room 14	B	√		√		S-1			
Class 11	B	√		√		S-1			
Staff W/C	RHT	√		√		3			1013
Hall by Class 11	S	√		√		2			1032
Hall at Resources (AC16)	DS	√		√		7			1046
Hall at Girls Washroom (AC15)	DS	√		√		6			1045

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 29th, 2016

Building Name: St. Michael Address: 25 Maple Street South, Ridgetown

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Custodian Room	RHT	√		√		3			1019
Class Room 2 Storage	RHT	√		√		3			1023
Hall to Gym (AC17)	DS	√		√		8			1042
Kitchen @ Gym 18	RHT	√		√		3			1014
Gym	B	√		√		S-1			
Stage 19	S	√		√		2			1033
Under Stage	RHT	√		√		3			1034
Gym Storage 20	RHT	√		√		3			1015
Gym Exit @ Stage	M (#6)	√		√		1			1002
Gym Exit South	M (#5)	√		√		1			1003
Hall by Office	B	√		√		S-1			
Hall by Office	S	√		√		2			1036
Main Entrance	M (#4)	√		√		1			1004
Hall Doors @ Office	Door Holders	√		√					
Class 9	B	√		√		S-1			
Boys C/R Hall 17	S	√		√		2			1035
Boys C/R Hall 27	RHT	√		√		3			1016
By Girls W/C & Classroom 8	S	√		√		2			1037
Girls C/R 33	RHT	√		√		3			1017
Room 8	B	√		√		S-1			
Corridor @ 8	B	√		√		S-1			
Staff Room	RHT	√		√		3			1027
Room 5	B	√		√		S-1			
Hall @ 5	S	√		√		2			1038
Hall @ 5	B	√		√		S-1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

ANDERSON'S ELECTRONICS Inc.

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 29th, 2016

Building Name: St. Michael Address: 25 Maple Street South, Ridgetown

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Daycare Rear Exit	M (#3)	√		√		1			1005
Outside Storage Rear Boiler	RHT	√		√		3			1021
Hall @ Exit By #6	S	√		√		2			1039
Class 6	B	√		√		S-1			
Nurse Room	RHT	√		√		3			1048
Class 5	B	√		√		S-1			
Custodian Room 42	RHT	√		√		3			1018
Custodian Room 42	M (#2)	√		√		1			1006
Custodian Room 42	B	√		√		S-1			
Custodian Storage	RHT	√		√		3			1020
Hall @ 4	B	√		√		S-1			
Resource Room 40	RHT	√		√		3			1023
Storage 44	RHT	√		√		3			1022
Hall @ 3	B	√		√		S-1			
Hall @ 3	S	√		√		2			1040
Class 4	B	√		√		S-1			
Class 3	B	√		√		S-1			
Supply Room	RHT	√		√		3			1026
Class 2	B	√		√		S-1			
Hall @ 1	B	√		√		S-1			
Class 1	B	√		√		S-1			
Hall @ #1	S	√		√		2			1041
Exit @ #1	M (#1)	√		√		1			1007

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 29th, 2016

Building Name: St. Michael Address: 25 Maple Street South, Ridgetown

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Hall by Class 4	S	√		√		2			1048
Boys Changeroom AC02	DS	√		√		5			1043
Hall By Boys W/C AC01	DS	√		√		4			1044
Corridor 104 Courtyard Exit	M	√		√		1			1051
Daycare Entrance	M	√		√		1			1050
Daycare	RHT	√		√		3			1049
Daycare	B	√		√		S-1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: August 29th, 2016

Building Name: St. Michael Address: 25 Maple Street South, Ridgetown

LOCATION	MODEL #	BATTERY	# RH	A	B	C	D	REMARKS
PortaPak Hall	RG 36	PA-6V12 (11)	2	6.71	1:15	0.170	X	*See Repairs List*
Hall By Stage	JML 36	PA-6V12 (14)	3	6.91	1:20	0.280		Ok
Gym Entrance	RG 36	PA-6V12 (13)	4	6.81	1:23	0.201		Ok
Hall By Office	RG 36	PA-6V12 (12)	2	6.83	1:25	0.210		Ok
Hall By Nurses Office	RG 36	(2) PA-6V7.2 (10)	2	6.70	1:27	0.160	X	*See Repairs List*
Hall By Room 2	RG 36	PA-6V12 (12)	4	6.81	1:30	0.212		Ok

#- Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Test Start Time
D- Requires Service, Repairs, Missing

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FIRE ALARM & EMERGENCY LIGHTING
REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
	Repairs Not Required			
	Emergency Lighting			
1	PortaPak Hall	RG 36	Replaced Battery w/ (1) Panasonic PA-6V12	08/29/2016
2	Hall By Nurses Office	RG 36	Replaced Batteries w/ (2) Panasonic PA-6V7.2	08/29/2016

Additional Comments:

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: August 29th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BD.

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

ST. MICHAELS, 25 MAPLE ROAD SOUTH, RIDGETOWN

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS ALSO COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Martin Archibald	CONFIRMED BY:	Jim Anderson
CFAA #:	19-992091		
FA. REP'S TECH:	Martin Archibald	DATED:	August 29th, 2016
CFAA #:	19-992091		

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FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: July 11th, 2016

Building Name: St. Peter Canisius

Address: 424 Victoria Street, Watford

Security/Fire Alarm Panel [Make / Model]: Simplex 4006

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm Systems		√	
E	The fire alarm system documentation is on site and includes a description of the system	√		
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages	√		
H	Comments: ***Repairs completed during inspection July 11th, 2016***			
I	A copy of this report has been given to: SCCDSB- Paul Lernout Who is the; Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Alban Berisha

CFAA #: 19-996382

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

CANADIAN FIRE ALARM ASSOCIATION

FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal			√
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre			√
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	DAMAR- 114661 Cougars
	Phone Number	(800) 265-7562

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:	√		
Date: 2013 Revision: 1.03.03 Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	By Room 111
Control unit or transponder identification	Simplex

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	By Room 111
Circuit breaker or disconnect means location	Room 101

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		(2) 12V7.2
Battery manufacturer's date code or ins service date	Date	2013
Battery Voltage (main power supply 'ON') is	Voltage	26.80
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.30
	Current (A)	0.130
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.20
	Current (A)	0.490
The charging current is	Current (mA)	1.20

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type.			√

Record battery capacity .	AH	7.2
Record the battery terminal voltage after tests are completed.	VDC	25.48

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 24 x 0.13= 3.12 + 0.22 = 3.34

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates	√		
Individual alarm and supervisory input zone clearly indicated and separately designated	√		
Individual alarm and supervisory input zone designation labels are properly identified	√		
Common trouble signal operates			√
Visual indicator test (lamp test) operates			√
Displays are visible in the installed location			√
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements			√
Alarm signal silence visual indicator operates	√		
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power			√

Annunciator or remote trouble signal unit location	By Room 100
Annunciator or remote trouble signal unit identification	Simplex

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	
Annunciator or sequential display identification	

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√

Remote trouble signal unit locations	
Remote trouble signal unit identification	

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√

Printer Location	
Printer Identification	

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√

Control Unit or Transponder Location	
Control Unit or Transponder Identification	
Data Communication link identification	

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm, Trouble)	√		
Door Holders	√		

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 11th, 2016

Building Name: St. Peter Canisius Address: 424 Victoria Street, Watford

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
By 127 (Daycare)	M	√		√		1			
In 127	RHT	√		√		1			
By 127	M	√		√		1			
By 127	S (C2M PDI)	√		√		1			
By 127	H	√		√		NAC-1			
Hall By 121	S (1400A)	√		√		1			
In 122	RHT	√		√		1			
By 122	H	√		√		NAC-1			
Hall By 106 A	S (1400A)	√		√		1			
Gym Storage - Right	HT	√		√		1			Elect. Tested
Gym Storage - Left	RHT	√		√		1			
Gym Exit	M	√		√		1			
Gym - 120	H	√		√		NAC-1			
Gym - 120	RHT	√		√		1			
Gym - 120	RHT	√		√		1			
By Gym	S (1400A)	√		√		1			
By 117	S (1400A)	√		√		1			
By 117	H	√		√		NAC-1			
Hall Around Corner 118	M	√		√		1			
Hall Around Corner 118	S (1400A)	√		√		2			
Hall By 124	M	√		√		2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
2451A	*2.3-3.7 (Mod 400)*
1400A	*0.9-2.1 (Mod 400)*
4098-9601	*1.0-3.6 (Tru-Test)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 11th, 2016

Building Name: St. Peter Canisius Address: 424 Victoria Street, Watford

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Hall By 124	S (1400A)	√		√		2			RB
Exit By 129	M	√		√		2			
Hall By 131	S (1400A)	√		√		2			
Hall By 131	Buzzer	√		√		NAC-1			
Hall By 130	S (1400A)	√		√		2			
Hall By 133	H	√		√		2			
Storage 114	RHT	√		√		1			
Storage 116	RHT	√		√		1			
Boiler 110	HT	√		√		1			Elect. Tested
Boiler 108	HT	√		√		1			Elect. Tested
Hall By 115	S (1400A)	√		√		1			
By 108	S (1400A)	√		√		1			
By 107	M	√		√		1			
By 105	S (C2W BA)	√		√		1			
Room 109	HT	√		√		1			Elect. Tested
By 109	H	√		√		NAC-1			
Room 109A	RHT	√		√		1			
By Front Entrance	S (1400A)	√		√		1			
Front Entrance	M	√		√		1			
Room 105	RHT	√		√		1			
109 Exit	M	√		√		1			
Room 109 Back	HT	√		√		1			Elect. Tested
By 101	S (4098-9601)	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
2451A	*2.3-3.7 (Mod 400)*
1400A	*0.9-2.1 (Mod 400)*
4098-9601	*1.0-3.6 (Tru-Test)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 11th, 2016

Building Name: St. Peter Canisius Address: 424 Victoria Street, Watford

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
By 101 A	M	√		√					
Hall @ 207	DH	√		√					
Hall @ 207	DH	√		√					
Hall @ Gym	DH	√		√					
Hall @ Gym	DH	√		√					
Hall @ Office	DH	√		√					
Hall @ Office	DH	√		√					
Newer Section									
In Room 101	EXP-HT	√		√		1			Elect. Tested
By Double Doors	S (4098-9601)	√		√		2			
By 100	S (4098-9601)	√		√		2			
Side Entrance	M	√		√		2			
By 135	H/S	√		√		NAC 2			
In Room 135 Left (Library)	H/S	√		√		NAC 2			
In Room 135 Right (Library)	H/S	√		√		NAC 2			
By 135	S (4098-9601)	√		√		2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
2451A	*2.3-3.7 (Mod 400)*
1400A	*0.9-2.1 (Mod 400)*
4098-9601	*1.0-3.6 (Tru-Test)*

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CANADIAN FIRE ALARM ASSOCIATION CFAA

CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: July 11th, 2016

Building Name: St. Peter Canisius

Address: 424 Victoria Street, Watford

LOCATION	MODEL #	BATTERY	#RH	A	B	C	D	REMARKS
By 117	PXM 36	PA-6V7.2 Ah. (09)	2	7.08	10:06	0.32	X	*See Reps List*
By 105	PXM 36	PA-6V7.2 (12)	3	7.08	10:07	0.32		
By Gym	PXM 36	PA-6V7.2 (12)	2	6.94	10:08	0.33		
Gym Exit To Hall	PXM 36	PA-6V7.2 (11)	2	6.93	10:09	0.31		
Gym Exit Out	PXM 36	PA-6V7.2 (14)	2	7.01	10:09	0.30		
In 202-A (Daycare Storage)	RG 12S160	PS 12V33 (11)	6	13.81	10:10	1.50		
By 124	PXM 36	PA-6V7.2 (15)	2	7.21	10:11	0.35		
Exit By 129	PXM 36	PA-6V7.2 (08)	2	3.50	10:12	0.21	X	*See Reps List*
By 130	SPEXX10361	(2) 6V4.5 (13)	2	13.71	10:13	0.26		
Room 135	SLC 12 250	12V33 (13)	4	13.63	10:14	0.32		
Room 135 Exit	SPEXX10361	(2) PA-6V4.5 (13)	2	13.82	10:14	0.25	X	*See Reps List*
Room 100C	SLA 1272	12V33 (13)	8	13.57	10:15	0.33		
By Rm 101	PXM 36	6V7.2(12)	2	7.06	10:15	0.32		

RH #- Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

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FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
	Repairs Not Required			
	Emergency Lighting			
1	By 117	PXM 36	Replaced battery w/ (1) Panasonic PA-6V7.2	07/11/2016
2	Exit By 129	PXM 36	Replaced battery w/ (1) Panasonic PA-6V7.2	07/11/2016
3	Room 135 Exit	SPEXX10361	Replaced battery w/ (2) Panasonic PA-6V4.5	07/11/2016

Additional Comments:

ANDERSON'S ELECTRONICS Inc.

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: July 11th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BD.

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

ST. PETER CANISIUS, 424 VICTORIA STREET, WATFORD

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS ALSO COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Alban Berisha	CONFIRMED BY:	Jim Anderson
CFAA #:	19-996382		
FA. REP'S TECH:	Alban Berisha	DATED:	July 11th, 2016
CFAA #:	19-996382		

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FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: July 11th, 2016

Building Name: St. Philip

Address: 420 Queens Street, Petrolia

Security/Fire Alarm Panel [Make / Model]: Edwards 6616

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm System	√		
E	The fire alarm system documentation is on site and includes a description of the system		√	
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages			√
H	Comments: *Repairs completed during inspection			
I	A copy of this report has been given to: Paul Lernout - SCCDSB Who is the; Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Alban Berisha

CFAA #: 19-996382

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

ANDERSON'S ELECTRONICS Inc.

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FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational			√
Alarm signal silence visual indication operates			√
Alarm signals, when silenced automatically reinitiate upon subsequent alarm			√
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre			√
Receipt of the trouble transmission to the fire signal receiving centre			√
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	DAMAR- 114663 Vikings
	Phone Number	(800) 265-7562

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: 1993 Revision: B Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Main Entrance
Control unit or transponder identification	Notifier

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Main Entrance
Circuit breaker or disconnect means location	Mechanical Room

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		(2) Enersys NP7-12
Battery manufacturer's date code or ins service date	Date	2012
Battery Voltage (main power supply 'ON') is	Voltage	27.66
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.80
	Current (A)	0.120
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.25
	Current (A)	0.43
The charging current is	Current (mA)	0.84

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test. (Refer to Appendix F1);			√
(iii) Silent accelerated test. (Refer to Appendix F2);			√
(iv) A battery capacity meter test. (Refer to Appendix F3); or	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity (refer to Appendix D3.1-C).	AH	7
Record the battery terminal voltage after tests are completed.	VDC	27.30

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 24 x 0.12 + 0.215 = 3.95

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory input zone clearly indicated and separately designated			√
Individual alarm and supervisory input zone designation labels are properly identified			√
Common trouble signal operates			√
Visual indicator test (lamp test) operates			√
Displays are visible in the installed location			√
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements			√
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power			√
Annunciator or remote trouble signal unit location			
Annunciator or remote trouble signal unit identification			

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√
Annunciator or sequential display locations			
Annunciator or sequential display identification			

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√
Remote trouble signal unit locations			
Remote trouble signal unit identification			

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√
Printer Location			
Printer Identification			

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√
Control Unit or Transponder Location			
Control Unit or Transponder Identification			
Data Communication link identification			

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm)	√		
Fan Shutdown	√		
Door Holders	√		

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 11th, 2016

Building Name: St. Philip Address: 420 Queen Street, Petrolia

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Exit By Room 141	M	√		√		2			EOL
By Room 141	S (2451A)	√		√		2		1.30	
In Room 141	H	√		√		S-1			
In Room 134	H	√		√		S-2			
In Room 138	H	√		√		S-2			
In Room 130	RHT	√		√		2			
Across from Room 130	H	√		√		S-1			
By Room 130	M	√		√		2			
By Room 130	S (2451)	√		√		2		1.43	RB
By Room 130	DH (x4)	√		√		AUX			
By Room 125D	M	√		√		1			
By Door	S (2451)	√		√		2		1.40	Relay Door Holders
By Room 125A	S (1400A)	√		√		1		1.59	
By Room 125A	H	√		√		S-2			
HVAC Room By 125A West Wall	RHT	√		√		1			
HVAC Room By 125A East Wall	RHT	√		√		1			
By Room # 124A	S (1400A)	√		√		1		1.59	
HVAC Room By 124A	RHT	√		√		1			
HVAC Room By 122A	RHT	√		√		1			
HVAC Room By 135A	RHT	√		√		1			
Storage in Room 122A	RHT	√		√		1			
Hall By Room 100A	H	√		√		S-1			
By South Supply (100A)	S (1400A)	√		√		1		1.51	
160A	S (1400A)	√		√		1		1.65	
HVAC Room By 129A	RHT	√		√		1			
By Room 129A	S (C2W BA)	√		√		1		3	

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2451A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 11th, 2016

Building Name: St. Philip Address: 420 Queen Street, Petrolia

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
By Staff Room	H	√		√		S-2			
By Room 129A	M	√		√		1			
South Of Office	S (C2W BA)	√		√		1		4	
Lobby	S (1400A)	√		√		1		1.58	
Lobby	M	√		√		1			
Off Boys W / C (103)	RHT	√		√		1			
Hall By Boys W / C	S (1400A)	√		√		1		1.61	
Hall By Sick Room	H	√		√		S-1			EOL
Sick Room	RHT	√		√		1			
Custodial Rm B	RHT	√		√		1			
Mechanical Room	HT	√		√		1			Elec. Test
Hall By Custodial Rm 109	S (1400A)	√		√		1		1.58	
Custodial Room A	RHT	√		√		1			
101A	S (1400A)	√		√		1		1.52	
106A	S (1400A)	√		√		1		1.61	
Room 110D	H	√		√		S-2			
Hub Room off Computer Room	RHT	√		√		1			
111-A 6H 111-A	RHT	√		√		1			
Science Storage 111-A	RHT	√		√		1			
Hall By Meeting 113A	S (1400A)	√		√		1		1.59	
Meeting Room	RHT	√		√		1			
Resource HVAC Closet	RHT	√		√		1			
Hall By Resource	H	√		√		S-2			
Hall By Class 110D	S (1400A)	√		√		1		1.56	
Room 131	S (1400A)	√		√		1		1.59	
Class 4 HVAC	RHT	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2451A	*0.8-1.56 (Mod 400)*

ANDERSON'S ELECTRONICS Inc.

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 11th, 2016

Building Name: St. Philip Address: 420 Queen Street, Petrolia

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Class 4 HVAC	RHT	√		√		1			
Hall By 108D	S (1400A)	√		√		4		1.51	
108D	RHT	√		√		4			
117A	RHT	√		√		4			
Class 3 HV 110D-HVAC	RHT	√		√		4			
Hall By Class 110D	S (1400A)	√		√		4		1.59	
Exit By Class 1410D	M	√		√		4			
112D	RHT	√		√		4			
Hall By 120A	S (1400A)	√		√		4		1.50	
Hall By 120A	H	√		√		S-1			EOL
Hall By 114D	S (2451)	√		√		4		1.41	
116D Storage	RHT	√		√		4			
116D Storage	H	√		√		S-1			
116D Storage	RHT	√		√		4			
Room 125D	RHT	√		√		4			
By Gym Entrance	S (1400A)	√		√		4		1.56	
By Room 112D	H	√		√		S-2			EOL
In Room 112D	H	√		√		S-2			
By 112D	S (1400A)	√		√		4			
By 127A	M	√		√		4			
Girls Change Room	RHT	√		√		4			
Boys Change Room	RHT	√		√		4			
Gym	H	√		√		S-2			
Gym Exit	M	√		√		4			
Gym Storage # 2	M	√		√		4			
Class 8110D	S (1400A)	√		√		4		1.59	

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2451A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: July 11th, 2016

Building Name: St. Philip

Address: 420 Queen Street, Petrolia

LOCATION	MODEL #	BATTERY	RH #	A	B	C	D	REMARKS
Gym Exit Out	PXM 36	PA-6V7.2 (12)	2	6.87	1:10	0.37		OK
Gym Exit To Hall	PXM 36	PA-6V7.2 9 (12)	2	7.04	1:11	0.34		OK
Gym Storage	RG 12S 360	PA-12V33 (08)	5	13.87	1:12	1.49	X	*See Reps List*
117A	RG 12S 144	(2) PA-6V12 (10)	6	13.99	1:13	1.07	X	*See Reps List*
106	6R12A1507M2	(2) 12V7	3	6.86	1:14	0.45		OK
By Room 115D	PXM 36	PA-6V7.2 (12)	2	14.13	1:15	0.35		OK
Mech. Rm Lt.-107A (off 107-P)	RG 12S 200	(4) PE-6V12 (12)	14	13.93	1:16	0.33		OK
Mech. Rm Rt -107A (off 107-P)	RG 12S 144	(2) PA-6V12 (13)	4	13.92	1:16	1.08		OK
130-A	RG 12S 360	PA-12V33AH (09)	15	13.90	1:17	1.45		OK
106 By Bathrooms	6R12A1507M2	(2) 12V7	3	13.97	1:18	0.42		OK

RH #- Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

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FIRE ALARM & EMERGENCY LIGHTING
REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
	Repairs not Required			
	Emergency Lighting			
1	Gym Storage	RG 12S 360	Replaced battery w/(1) Enersys 12V33	07/11/2016
2	117A	RG 12S 144	Replaced battery w/(1) Panasonic 6V12	07/11/2016

Additional Comments:

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: July 11th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BD.

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

ST. PHILIP, 420 QUEEN STREET, PETROLIA

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS ALSO COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Alban Berisha	CONFIRMED BY:	Jim Anderson
CFAA #:	19-996382		
FA. REP'S TECH:	Alban Berisha	DATED:	July 11th, 2016
CFAA #:	19-996382		

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FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: July 6th & 7th, 2016

Building Name: St. Patrick's Catholic High School

Address: 1001 The Rapids Parkway, Sarnia

Security/Fire Alarm Panel [Make / Model]: Edwards EST

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm System		√	
E	The fire alarm system documentation is on site and includes a description of the system	√		
F	The fire alarm system is fully functional		√	
G	The fire alarm system has deficiencies noted on the attached pages	√		
H	Comments:			
I	A copy of this report has been given to: Paul Lernout Who is the: Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Kevin Bury

CFAA #: 19-995199

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre	√		
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	DAMAR- 114655 Irish
	Phone Number	(519) 336-7111

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: 2014 Revision: 5.0 Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Room 126
Control unit or transponder identification	EST

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Room 126- FACP
Circuit breaker or disconnect means location	Room 126

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		12V26
Battery manufacturer's date code or ins service date	Date	2014
Battery Voltage (main power supply 'ON') is	Voltage	26.90
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	26.30
	Current (A)	0.684
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.20
	Current (A)	0.763
The charging current is	Current (mA)	1246

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation.			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	26
Record the battery terminal voltage after tests are completed.	VDC	26.70

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 16.8

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Room 126- FACP BPS # 1-Upper
Circuit breaker or disconnect means location	Room 126

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		12V7.2
Battery manufacturer's date code or ins service date	Date	2014
Battery Voltage (main power supply 'ON') is	Voltage	26.40
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	26.00
	Current (A)	0.076
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.10
	Current (A)	3.554
The charging current is	Current (mA)	1638

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation.			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	7.2
Record the battery terminal voltage after tests are completed.	VDC	26.10

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 3.61

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Room 126- FACP BPS# 2
Circuit breaker or disconnect means location	Room 126

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		12V7.2
Battery manufacturer's date code or ins service date	Date	2014
Battery Voltage (main power supply 'ON') is	Voltage	26.40
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	26.10
	Current (A)	0.050
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.40
	Current (A)	1.959
The charging current is	Current (mA)	786

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation.			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	7.2
Record the battery terminal voltage after tests are completed.	VDC	26.30

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 2.18

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Room 222- BPS # 3
Circuit breaker or disconnect means location	Room 222- Panel 2C

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		12V7.2
Battery manufacturer's date code or ins service date	Date	2014
Battery Voltage (main power supply 'ON') is	Voltage	26.30
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	26.10
	Current (A)	0.105
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.00
	Current (A)	3.096
The charging current is	Current (mA)	1414

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation.			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	7.2
Record the battery terminal voltage after tests are completed.	VDC	26.10

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 4.07

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Room 235-Left BP # 4 (Above Tile, By Wayne's World Poster)
Circuit breaker or disconnect means location	By 268- Panel 2E CCT 42

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		12V7.2
Battery manufacturer's date code or ins service date	Date	2014
Battery Voltage (main power supply 'ON') is	Voltage	26.50
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	26.10
	Current (A)	0.029
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	26.00
	Current (A)	3.333
The charging current is	Current (mA)	1600

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation.			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	7.2
Record the battery terminal voltage after tests are completed.	VDC	26.30

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 2.37

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Room 235-Right BPS # 5
Circuit breaker or disconnect means location	By 268- Panel 2E CCT 42

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		12V7.2
Battery manufacturer's date code or ins service date	Date	2014
Battery Voltage (main power supply 'ON') is	Voltage	26.60
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	26.10
	Current (A)	0.123
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.30
	Current (A)	3.060
The charging current is	Current (mA)	1936

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation.			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	7.2
Record the battery terminal voltage after tests are completed.	VDC	26.40

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 4.49

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory input zone clearly indicated and separately designated			√
Individual alarm and supervisory input zone designation labels are properly identified			√
Common trouble signal operates			√
Visual indicator test (lamp test) operates			√
Displays are visible in the installed location			√
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements			√
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power			√

Annunciator or remote trouble signal unit location	N/A
Annunciator or remote trouble signal unit identification	N/A

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates	√		
Individual alarm and supervisory zone indication operates (see exception)	√		
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised	√		
Alarm signal silence visual indicator operates.	√		
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.	√		
Common trouble signal operates.	√		
Visual indicator test (lamp test) operates.	√		
Displays are visible in the installed location.	√		
Operates on emergency power	√		
Manual activation of alarm signal and indication operates.	√		
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	Front Entrance
Annunciator or sequential display identification	EST

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√
Remote trouble signal unit locations	N/A		
Remote trouble signal unit identification	N/A		

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√
Printer Location	N/A		
Printer Identification	N/A		

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)	√		
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or	√		
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:	√		
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder	√		
(iii) Transponder to Transponder			√
Control Unit or Transponder Location	Main Electrical Room # 126, 222		
Control Unit or Transponder Identification	EST		
Data Communication link identification	DCLA EST Loop 1, 2		

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm, Trouble & Supervisory)	√		
Fan Shutdown	√		
Elevator Recall	√		
BAS Relay	√		
Aux. Relay	√		

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 6th & 7th, 2016

Building Name: St. Patrick's High School Address: 1001 Rapids Parkway, Sarnia

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Stairwell 2D	H	√		√					
By Stairwell 2D	H/S	√		√					
Room 228	H/S	√		√					
By 228	H/S	√		√					
By 224	H/S	√		√					
Room 222	H/S	√		√					
Men's Washroom - Room 220	H/S		X						*See Repairs List*
By 220	H/S	√		√					
Mechanical 218	H/S	√		√					
Mechanical 218	H/S	√		√					
By 218	H/S	√		√					
Fitness 214	H/S	√		√					
Room 212	H/S	√		√					
By 203	H/S	√		√					
Fitness 210	H/S	√		√					
Fitness 210	H/S	√		√					
By 208	H/S	√		√					
By 208	EOL	√					√		
Stairwell 2C	H	√		√					
Stairwell 2C	EOL	√					√		
By 206	H/S	√		√					
By 206	EOL	√					√		
By 206	EOL	√					√		
By 201-A	H/S	√		√					
By Central Stairwell	H/S	√		√					

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 6th & 7th, 2016

Building Name: St. Patrick's High School Address: 1001 Rapids Parkway, Sarnia

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
By 200	H/S	√		√					
Room 200	H/S	√		√					
By 280	H/S	√		√					
Room 200	H/S	√		√					
Room 200	H/S	√		√					
Room 280	H/S	√		√					
By 278	H/S	√		√					
Stairwell 2A	H	√		√					
By 243	EOL	√					√		
By 241	H/S	√		√					
By 276	H/S	√		√					
By 239	H/S	√		√					
By 235	H/S	√		√					
By 236	H/S	√		√					
By 234	H/S	√		√					
By 213	H/S		X						*See Repairs List*
Woodshop Mezzanine 230	H/S	√		√					
Woodshop Mezzanine 230	H/S	√		√					
By 230	H/S	√		√					
201 Corridor	H/S	√		√					
By 201F	H/S	√		√					
Room 201	H/S	√		√					
Room 201	H/S	√		√					
Room 201A	H/S	√		√					

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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FIRE ALARM

INDIVIDUAL DEVICE RECORD

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LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Room 201A	H/S	√		√					
By 266	H/S	√		√					
By 264	H/S	√		√					
By Stairwell 2E	H/S	√		√					
By Stairwell 2E	EOL	√		√					
By Stairwell 2E	EOL	√		√					
Stairwell 2E	H	√		√					
By 215	H/S	√		√					
Room 240	H/S	√		√					
By 221	H/S	√		√					
Room 221	H/S	√		√					
Room 223	H/S	√		√					
Room 242	H/S	√		√					
Room 227	H/S	√		√					
Room 246	H/S	√		√					
By 248	H/S	√		√					
Room 250	H/S	√		√					
By 252	H/S	√		√					
By Stairwell 2F	H/S	√		√					
Mechanical 252	H/S	√		√					
By 256	H/S	√		√					
By 229	H/S	√		√					
Room 229	H/S	√		√					
Room 231	H/S	√		√					
By 233	H/S	√		√					

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Required Sensitivity

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1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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INDIVIDUAL DEVICE RECORD

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LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
By 258	H/S	√		√					
By 258	H/S	√		√					
By 258	H/S	√		√					
By 210	EOL	√					√		
By 210	EOL	√					√		
Room 130	H/S	√		√					
By 128	H/S	√		√					
Room 128	H/S	√		√					
By 139	H/S	√		√					
Room 134	H/S	√		√					
Room 134	H/S	√		√					
Room 134	H/S	√		√					
By 134	H/S	√		√					
Room 136	H/S	√		√					
Room 139	H/S	√		√					
Room 139A	H/S	√		√					
Room 139B	H/S	√		√					
Room 139B	EOL	√					√		
Room 139B	EOL	√					√		
Room 141	H/S	√		√					
Room 141A	H/S	√		√					
Room 141B	H/S	√		√					

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E- Circuit Number or Address
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Required Sensitivity

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1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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INDIVIDUAL DEVICE RECORD

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LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Room 141	H/S	√		√					
Room 141D	H/S	√		√					
Room 138	H/S	√		√					
Room 138	H/S	√		√					
Room 143	H/S	√		√					
By 143	H/S	√		√					
By 100H	H/S	√		√					
Room 100H	H/S	√		√					
By Men's W/C 178	H/S	√		√					
By 107	H/S	√		√					
By 180	H/S	√		√					
By 100J	H/S	√		√					
By 100	H/S	√		√					
By 100	H/S	√		√					
100	H/S	√		√					
Chapel	H/S	√		√					
By 108	H/S	√		√					
Room 108	H/S	√		√					
Room 108	H/S	√		√					
Room 110	H/S	√		√					
Room 101	H/S	√		√					
By 112-Cafeteria	H/S	√		√					
By 112-Cafeteria	H/S	√		√					
Room 114	H/S		X						*See Repairs List*

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Required Sensitivity

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LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
By 107	H/S	√		√					
By 107F	H/S	√		√					
By 107M	H/S	√		√					
By 107C	H/S	√		√					
Room 107C	H/S	√		√					
Stage Left	H/S	√		√					
Stage Left	H/S	√		√					
Stage Right	H/S	√		√					
Stage Right	H/S	√		√					
Cafeteria- Room # 112	H/S	√		√					
Cafeteria- Room # 112	H/S	√		√					
Cafeteria- Room # 112	H/S	√		√					
Cafeteria- Room # 112	H/S	√		√					
Cafeteria- Room # 112	H/S	√		√					
By 112G	H/S	√		√					
Servery	H/S	√		√					
Cafeteria- Room # 112	EOL	√					√		
Cafeteria- Room # 112	EOL	√					√		
By 116	H/S	√		√					
Room 113	H/S	√		√					
By 127A	H/S	√		√					
Room 125A	H/S	√		√					
Room 125A	H/S	√		√					
Room 125	H/S	√		√					
Room 127A	H/S	√		√					

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LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Room 127A	H/S	√		√					
Room 127	H/S	√		√					
Room 135	H/S	√		√					
By 135E	H/S	√		√					
By 135E	H/S	√		√					
Room 133	H/S	√		√					
Room 133	H/S	√		√					
Room 135D	H/S	√		√					
Room 126	H/S	√		√					
Room 116	H/S	√		√					
By 115	H/S	√		√					
By 118	H/S	√		√					
By 124	H/S	√		√					
Gym 124	H/S	√		√					
Gym 124	H/S	√		√					
Gym 124	H/S	√		√					
Gym 124	H/S	√		√					
Gym 124	H/S	√		√					
Gym 124	H/S	√		√					
By 125	H/S	√		√					
125	H/S	√		√					
By 127	H/S	√		√					
Room 176	H/S	√		√					
Room 176	H/S	√		√					
By 176	EOL	√					√		
By 176	EOL	√					√		

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Required Sensitivity

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LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
By 176	H/S	√		√					
By 174	H/S	√		√					
Room 174	H/S	√		√					
Room 174	H/S	√		√					
Room 172	H/S	√		√					
Room 172	H/S	√		√					
By 140	H/S	√		√					
By 140	EOL	√					√		
By140	EOL	√					√		
By 149	H/S	√		√					
By 152	H/S	√		√					
Room 142	H/S	√		√					
By 142	H/S	√		√					
By 159	H/S	√		√					
Room 159	H/S	√		√					
By 148	H/S	√		√					
By 163	H/S	√		√					
By 158	H/S	√		√					
By 160	H/S	√		√					
By 165	H/S	√		√					
By 166	H/S	√		√					
Room 165	H/S	√		√					
By Locker 1678	H/S	√		√					
By 168	H/S	√		√					

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Required Sensitivity

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LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
By 170	H/S	√		√					
Room 170	H/S	√		√					
By 170	H/S	√		√					

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LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
1st Floor									
Electrical Room 126	IM	√				222			
Electrical Room 126	IM	√				223			
Corridor CRI-5 South Exit into Gym	IM	√				224			
Corridor CRI-5 South Exit out of Gym	IM	√				225			
Corridor CRI-5 Boys Changeroom	CT2	√				226			
Room 118	CT2	√				227			
Front of H/C 125C	IM	√				228			
Front of H/C 127C	IM	√				229			
South Exit to STR-4	IM	√				230			
Construction Tech Beside PNL 1P	CR	√				145			
Corridor CRI-2 Front of Office 103	IM	√				232			
Corridor CRI-2 Front of Room 107	IM	√				233			
Sound Booth Theatre Arts Room 107L	CR	√				150			
Corridor CRI-2 Front of Cafeteria 112	IM	√				235			
Manufacturing Tech Room 138	CR	√				149			
Room 112F	CR	√				206			
B/W 112A & 112	CR	√				153			
Elevator Room 1	CR	√				158			
Front of Sprinkler Room 102	CT-2	√				162			
Rm 100H	IM	√				210			
Rm 100H	IM	√				211			
Independent Learning Room 174	IM	√				212			
Women's W/C 153	CR	√				185			
Room 157	CR	√				182			

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Class 144	CR	√		√		181			
Class 144	CR	√		√		183			
Staff Room 159	CR	√		√		179			
Room 161	CR	√		√		180			
Room 162	CR	√		√		187			
Room 166	CR	√		√		188			
Electrical Room 170	IM	√		√		221			
Electrical Room 170	IM	√		√		238			
Zone 3	IM	√		√		239			
2nd Floor									
Room 220	IM	√		√		257			
At NW Intersection Zone 14	CT2	√		√		223			
At NW Intersection Zone 17	CT2	√		√		224			
At NW Stair #3 (in)	IM	√		√		225			
At NW Stair #3 (out)	IM	√		√		226			
Upper Lobby Stair #2 (in)	IM	√		√		227			
Upper Lobby Stair #2 (out)	IM	√		√		228			
Room 276	IM	√		√		229			
At Stair #1 North Corridor	IM	√		√		230			
Chapel Northeast Corridor	CTI	√		√		231			
Chapel Mechanical Room	CTI	√		√		232			
Chapel Mechanical Room	IM	√		√		233			
East Corridor at North Intersection	IM	√		√		234			
North Corridor at Elevator	IM	√		√		235			

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LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Room 280	IM	√		√		236			
North Corridor at Room 280	IM	√		√		237			
Room 241	CTR	√		√		238			
Room 241	CTR	√		√		239			
Storage 258	IM	√		√		240			
By Mechanical Room 252	IM	√		√		241			
By Mechanical Room 252	IM	√		√		242			
Mechanical Room 252	CT2	√		√		243			
Mechanical Room 252	CT2	√		√		242			
Mechanical Room 252	CT2	√		√		245			
Mechanical Room 252	CR	√		√		246			
Outside Room 252	IM	√		√		247			
Beside Stair 5 Exit	IM	√		√		248			
Beside Stair 5 Exit	IM	√		√		337			
Construction Tech Mezzanine	CR	√		√		250			

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LOCATION	DEVICE	A	B	C	D	E	F	ZONE	REMARKS
1st Floor									
Elevator Machine Room 126B	S (SIGA)	√		√		1-01		4	
Middle of Electrical Room 126	S (SIGA)	√		√		3-02		6	
Exit out Back of Electrical Room 126	M	√		√		129-03		6	
Hub Room 126A	S (SIGA)	√		√		5-04		4	
Storage Rm 131 South Exit	M	√		√		130-05		4	
Corridor CRI-5 South Exit	M	√		√		131-06		4	
Gym South Exit	M	√		√		132-07		5	
Gym Storage Exit Southwest	M	√		√		133-08		5	
Gym Storage Exit Northwest	M	√		√		134-09		5	
Gym Storage Exit Northwest	M	√		√		135-10		5	
Gym Storage Exit Southwest	M	√		√		136-11		5	
Corridor CRI-5 Front of Storage Rm 131	S (SIGA)	√		√		8-12		4	
Corridor CRI-5 Front-Boys Changeroom 129	S (SIGA)	√		√		9-13		4	
Boys Changeroom # 1- Room 129	S (SIGA)	√		√		10-14		4	
Boys Changeroom W/C- Room 129B	S (SIGA)	√		√		11-15		4	
Boys Changeroom # 2- Room 127	S (SIGA)	√		√		12-16		4	
Girls Changeroom # 3- Room 125	S (SIGA)	√		√		13-17		4	
Girls Changeroom W/C- Room 123B	S (SIGA)	√		√		14-18		4	
Girls Changeroom # 4- Room 123	S (SIGA)	√		√		15-19		4	
Corridor CRI-5- Rm 125 Front of Girls C/Rm	S (SIGA)	√		√		16-20		4	
Corridor CRI-5-Front of Girls C/Rm #4- Rm 123	S (SIGA)	√		√		17-21		4	
Corridor CRI-5- Front of Gym 124	S (SIGA)	√		√		18-22		4	
Changeroom # 5 Room 120	S (SIGA)	√		√		19-23		4	
Changeroom # 5 Room 120 North Exit	M	√		√		139-24		4	

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Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 6th & 7th, 2016

Building Name: St. Patrick's High School Address: 1001 Rapids Parkway, Sarnia

LOCATION	DEVICE	A	B	C	D	E	F	ZONE	REMARKS
Corridor CRI-4- Front of Storage Room 115	S (SIGA)	√		√		20-25		4	
Corridor CRI-4- Front of Receiving Rm 118	S (SIGA)	√		√		21-26		4	
Receiving North Exit Room 118	M	√		√		142-27		4	
Mechanical Room 116	S (SIGA)	√		√		22-28		8	
Corridor CRI-6 in Front of Stair 3	S (SIGA)	√		√		23-29		4	
North Exit to Stair 3	S (SIGA)	√		√		143-30		4	
Foyer CRI-3	S (SIGA)	√		√		24-31		1	
Corridor CRI-6 & Corridor CRI-4 Intersection	S (SIGA)	√		√		25-32		4	
Women's Washroom- Room #113	S (SIGA)	√		√		26-33		4	
Corridor CRI-6 Front of Girls W/C- Rm #113	S (SIGA)	√		√		27-34		4	
Corridor CRI-6-Front of H/C Washrm. 125C	S (SIGA)	√		√		28-35		4	
Control Booth Room 135E	S (SIGA)	√		√		30-36		3	
Corridor at Rm. 135F Communication Tech.	S (SIGA)	√		√		31-37		3	
Corridor CRI-6- Front of H/C Washrm. 127C	S (SIGA)	√		√		33-38		4	
Boys Washroom- Room #133	S (SIGA)	√		√		34-39		4	
Corridor CRI-6- Front of Boys W/C Rm 133	S (SIGA)	√		√		35-40		4	
Corridor CR-6- Front of Electrical Rm 126	S (SIGA)	√		√		36-41		4	
At Corridor CRI-6 Intersected w/Corridor CRI-7	S (SIGA)	√		√		37-42		4	
Corridor CRI-6 South Exit to Stairwell 4	S (SIGA)	√		√		38-43		4	
Visual Arts Office/Storage Room 128A	RHT	√		√		39-44		4	
South Exit Corridor CRI-6 Exit to Stair 4	M	√		√		144-45		4	
Construction Tech SW-Right Exit Room 134	M	√		√		146-46		3	
Construction Tech SW-Left Exit Room 134	M	√		√		147-47		3	
Manufacturing Tech. South Exit Room 138	M	√		√		147-48		3	
Corridor 120N- Front of Music Room 141	S (SIGA)	√		√		41-49		3	

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Corridor 170N-Behind Co-op Classroom 143	S (SIGA)	√		√		42-50		3	
Corridor 170N & Corridor 101K Intersection	S (SIGA)	√		√		43-51		3	
Corr 101K Front of Student Suc. Rm 101H	S (SIGA)	√		√		44-52		3	
Hub Room- Room 107J	S (SIGA)	√		√		45-53		3	
Guidance Reception Room 101	S (SIGA)	√		√		46-54		3	
Changeroom 107G	S (SIGA)	√		√		47-55		3	
Changeroom 107H	S (SIGA)	√		√		48-56		3	
Corridor CRI-2 Front of Office Room 103	S (SIGA)	√		√		50-57		1	
Corr. CRI-2 Front of Theatre Arts Room 107B	S (SIGA)	√		√		51-58		1	
Corridor CRI-2 at Cafeteria Doors	S (SIGA)	√		√		52-59		1	
Sound Booth Room # 107L	S (SIGA)	√		√		54-60		3	
Northwest Exit from Cafeteria Room # 112	M	√		√		152-61		1	
North Left Exit from Cafeteria Room # 112	M	√		√		155-62		1	
North Right Exit from Cafeteria Room # 112	M		X			154-63		1	*See Rep's List*
Kitchen North Exit Beside W/C 112G	M	√		√		156-64		1	
Elevator Machine Room - Elevator 2	S (SIGA)	√		√		103-65		2-7	
Foyer 2 in Front of Elevator 1	S (SIGA)	√		√		57		1	
Foyer 2- Center of Foyer 2	S (SIGA)	√		√		56		1	
Foyer 2 East Exit into Vestibule 1	M	√		√		161		1	
Corridor CRI-2 & End of Corridor CRI-8	S (SIGA)	√		√		60		1	
Beside Guidance Reception Corr CRI-8	S (SIGA)	√		√		62		2	
Front of Attendance Office- Corridor CR1-8	S (SIGA)	√		√		63		2	
Girls Washroom- Room # 180	S (SIGA)	√		√		64		2	
Boy's Washroom- Room # 178	S (SIGA)	√		√		65		2	
Front of Boy's Washroom, Corridor CRI-8	S (SIGA)	√		√		66		2	

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Required Sensitivity

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Front of Lg. Meeting Rm 100H, Corr. CRI-8	S (SIGA)	√		√		67		2	
Special Education Vestibule, V-03	M	√		√		178-76		96	
Corridor CRI-8 & Corridor CRI-9 Intersection	S (SIGA)	√		√		70-77		2	
CRI-8 East Side of Tech 138	S (SIGA)	√		√		81-78		2	
CRI-9 Front of Independant Learning Rm. 174	S (SIGA)	√		√		76-79		26	
West Exit to Stair 5	M	√		√		184-80		26	
CRI-9 Front of West Exit to Stair 5	S (SIGA)	√		√		78-81		26	
Corridor CRI-9 & Corridor CRI-12 Intersection	S (SIGA)	√		√		83-82		26	
Corridor CRI-9- In Front of Girls W/C 153	S (SIGA)	√		√		79-83		26	
Corr. CRI-9-In Front of Standard Classrm 155	S (SIGA)	√		√		75-84		26	
Corr. CRI-9-In Front of Standard Classrm 142	S (SIGA)	√		√		77-85		26	
Lan Rm 165B	S (SIGA)	√		√		72-86		26	
Corr. CRI-9-In Front of Standard Classrm 146	S (SIGA)	√		√		80-87		26	
Corridor CRI-9 & Corner of Corridor CRI-10	S (SIGA)	√		√		82-88		26	
Above Ceiling In Front of Custodial 161	SD	√		√		73-89		46	
Corr. CRI-10 Front of Academic Storage 163	S (SIGA)	√		√		85-90		26	
Above Ceiling Front of Acad. Storage 163	SD	√		√		84-91		46	
Corridor CRI-11 South Exit to Stair 6	M	√		√		189-92		26	
CRI-11 in Front of South Exit to Stair 6	S (SIGA)	√		√		94-93		26	
CRI-11 in Front of Standard Class 162	S (SIGA)	√		√		96-94		26	
CRI-11 in Front of Staff Washroom 165A	S (SIGA)	√		√		86-95		26	
CRI-11 In Front of Classroom # 166	S (SIGA)	√		√		98-96		26	
CRI-11 In Front of Classroom # 168	S (SIGA)	√		√		93-97		26	
East Exit to Vestibule V-02	M	√		√		186-98		26	
CRI-11 & Corner of Corridor CRI-12	S (SIGA)	√		√		95-99		26	

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Electrical Rm 170	S (SIGA)	√		√		92-100		25	
Girls Washroom 153	S (SIGA)	√		√		97-101		26	
Boys Washroom 149	S (SIGA)	√		√		91-102		26	
Corr. CRI-12, Beside Learning Strategies 172	S (SIGA)	√		√		90-103		26	
Corridor CRI-7- Front of Co-op Class 143	S (SIGA)	√		√		94-104		3	
CRI-7 Front of Manufacturing Tech. 138	S (SIGA)	√		√		101-105		3	
CRI-7 In Front of Music Rm Entrance # 141	S (SIGA)	√		√		99-106		3	
CRI-7 In Front of Construc. Tech Rm.134	S (SIGA)	√		√		71-107		3	
Corridor CRI-7- In Front of Room 139	S (SIGA)	√		√		102-108		3	

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LOCATION	DEVICE	A	B	C	D	E	F	ZONE	REMARKS
2nd Floor									
Elevator Shaft	HT	√		√		252-04		Elev. 2	
In Room 222	S (SIGA)	√		√		253-05		16	
Room 218 1st Floor Supply	DS	√		√		255-06		17	
Room 218 2nd Floor Supply	DS	√		√		256-07		17	
Room 220 Boys Washroom	S (SIGA)	√		√		257-08		14	
West Corridor at Room 220	S (SIGA)	√		√		258-09		14	
West Corridor at Room 218	S (SIGA)	√		√		259-10		14	
West Corridor at Room 205	S (SIGA)	√		√		260-11		14	
West Corridor at Room 203	S (SIGA)	√		√		261-12		14	
Room 212 Girls Washroom	S (SIGA)	√		√		262-13		14	
West Corridor at Room 210	S (SIGA)	√		√		263-14		14	
West Corridor at Room 208	S (SIGA)	√		√		264-15		14	
Northwest Stair #3 (C)	S (SIGA)	√		√		266-16		3	
Northwest Stair #3	M	√		√		392-17		14	
North Corridor at Room 206	S (SIGA)	√		√		268-18		11	
North Corridor at Room 204	S (SIGA)	√		√		269-19		11	
West High Ceiling	S (SIGA)	√		√		271-20		1	
Upper Lobby North	S (SIGA)	√		√		272-21		11	
Upper Lobby South	S (SIGA)	√		√		273-22		11	
East High Ceiling at Main Stair 2 (B)	S (SIGA)	√		√		274-23		1	
East High Ceiling at Main Stair # 2	S (SIGA)	√		√		275-24		1	
At Upper Caf Windows N. Corridor	S (SIGA)	√		√		278-25		11	
At Room 202 North Corridor	S (SIGA)	√		√		279-26		11	

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Required Sensitivity

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At Room 200A Staff Washroom	S (SIGA)	√		√		281-27		11	
At Room 200B Staff Washroom	S (SIGA)	√		√		280-28		11	
North Stair #1 (A)	S (SIGA)	√		√		283-29		11	
At North Stair #1	M	√		√		393-30		11	
North Corridor at Room 276	S (SIGA)	√		√		285-31		11	
High Ceiling in Chapel	S (SIGA)	√		√		286-32		1	
High Ceiling in Front of Chapel	S (SIGA)	√		√		288-33		1	
High Ceiling in Front of Chapel	S (SIGA)	√		√		289-34		1	
High Ceiling in Front of Chapel	S (SIGA)	√		√		290-35		1	
North Corridor at Elevator	S (SIGA)	√		√		292-36		11	
Elevator Shaft 1	HT	√		√		294-37		Elev.2-9	
In Room 280	S (SIGA)	√		√		296-38		10	
North Corridor at Room 280	S (SIGA)	√		√		298-39		11	
East Corridor at Bridge	S (SIGA)	√		√		299-40		11	
East Corridor at Room 241	S (SIGA)	√		√		300-41		12	
East Corridor at Room 274	S (SIGA)	√		√		301-42		12	
East Corridor at Room 237	S (SIGA)	√		√		302-43		12	
East Corridor at Room 270	S (SIGA)	√		√		303-44		12	
Corridor CR2-2 By Upper Lobby	S (SIGA)	√		√		277-45		11	
CR2-6 at Intersection w/Corridor CR2-5	S (SIGA)	√		√		304-46		12	
Corridor CR2-6 At Room 266	S (SIGA)	√		√		305-47		12	
Corridor CR2-6 At Room 264	S (SIGA)	√		√		306-48		12	
Girls Washroom 219	S (SIGA)	√		√		308-49		18	
Boys Washroom 215	S (SIGA)	√		√		309-50		18	
CR2-10 Front of Academic Storage Rm 258	S (SIGA)	√		√		310-51		18	

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Corridor CR2-10 Beside Classroom 233	S (SIGA)	√		√		311-52		18	
Corner of Corridor CR2-10 & CR2-9	S (SIGA)	√		√		312-53		18	
Corridor CR2-9 Front of Class 233	S (SIGA)	√		√		313-54		18	
CR2-9 Front of Science Bio Room 231	S (SIGA)	√		√		314-55		18	
CR2-9 Front of Science Bio Room 231	S (SIGA)	√		√		315-56		18	
CR2-9 Front of Science Bio Room 229	S (SIGA)	√		√		316-57		18	
Corner of Corridor CR2-9 & CR2-8	S (SIGA)	√		√		317-58		18	
CR2-8 Front of Stair 6	S (SIGA)	√		√		318-59		18	
Top Landing of Stair 6 (F)	S (SIGA)	√		√		STAIR # 6		18	
Pull Station at Exit to Stair 6 2nd Floor	M	√		√		400-61		18	
Above Mech Room 252 Door	DS	√		√		320-62		45	
CR2-8 in Front of Mech Room 252	S (SIGA)	√		√		319-63		45	
Left Duct in Front of Mech Room 252	S (SIGA)	√		√		326-64		45	
Mechanical Room 252 Ceiling	S (SIGA)	√		√		324-65		19	
Corner of CR2-8 & CR2-7	S (SIGA)	√		√		327-66		102	
CR2-7 Science Room 246	S (SIGA)	√		√		328-67		102	
Lan Room 225	S (SIGA)	√		√		329-68		102	
CR2-7 Front of Science Prep Room 223	S (SIGA)	√		√		330-69		102	
CR2-7 Front of Chem Science Room 221	S (SIGA)	√		√		331-70		102	
CR2-7 Front of Washroom Entrance	S (SIGA)	√		√		332-71		102	
CR2-7 at T-Intersection w/ CR2-10	S (SIGA)	√		√		333-72		102	
Detector at Top of Stair #5	M	√		√		336-73		Stairs 23	
Pull Station at Exit to Stair #5	S (SIGA)	√		√		408-74		102	
CR2-6 in Front of Exit to Stair #5	S (SIGA)	√		√		334-75		102	
CR2-5 Beside Room 235	S (SIGA)	√		√		338-76		13	
CR2-5 Front of Business Classes 234-235	S (SIGA)	√		√		339-77		13	

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CR2-5 Front of Business Class 234	S (SIGA)	√		√		340-78		13	
CR2-5 Front of Tech Mezz 230 E	S (SIGA)	√		√		341-79		13	
CR2-5 Front of Tech Mezz 230 W	S (SIGA)	√		√		342-80		13	
Duct Smoke for Supply Rm AHU 102 Tech Mezz 230	SD	√		√		343-81		14	
Ceiling of South Stair #4	S (SIGA)	√		√		345-83		Stair 2-23	
Pull Station at South Stair #4 Exit 2nd Fl	M	√		√		410-84		14	
CR2- Front of Stair #4 Exit	S (SIGA)	√		√		347-85		14	
CR2-Front of Intersection w/ CR2-5	S (SIGA)	√		√		348-86		14	
Corridor CR2 Front of Elevator #2	S (SIGA)	√		√		349-87		14	

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F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: July 6th & 7th, 2016

Building Name: St. Patrick's High School Address: 1001 Rapids Parkway, Sarnia

LOCATION	MODEL #	BATTERY	A	B	C	D	REMARKS
Mechanical Room 202	RG12S360	PA-1233 (12)	13.90	9:00			
Hall by 212	RG12S360	PA-1233 (15)	14.10	9:02			
Room 222	RG12S360	PA-1233 (09)	13.10	9:04	X	√	*See Repairs List*
Room 201 Entrance	5LER4502	(2) 6V7 (13)	13.10	9:08			
Room 201	RG12S250	(4) 6V12 (13)	13.50	9:09			
Hall by 266	RG12S360	PA-1233 (15)	14.00	9:06			
Room 258	RG12S250	(4) PA-6V12 (13)	13.20	9:11			
Mechanical Room 252	RG12S250	(2) 6V7 (13)	13.30	9:13			
Room 256	RG12S250	(4) PA-6V12(13)	14.01	9:16			
Stairwell 1F	5LER4502	(2) 6V7 (13)	13.15	9:18			
Room 161	RG12S250	(4) 6V12 (13)	13.20	9:20			
Room 142B	RG12S250	(4) 6V12 (13)	13.20	9:22			
Stairwell 1E	5LER4502	(2) 6V7 (13)	13.01	9:24			
Hall By 176	RG12S360	PA-1233 (09)	13.41	9:26	X	√	*See Repairs List*
Room 115	RG12S360	PA-1233 (15)	14.16	9:39			
Room 138- Welding	RG12S250	(4) 6V12 (13)	13.91	9:28			
Room 138 Exit	5LER4502	(2) 6V7 (13)	13.81	9:30			
Room 134 Woodshop	RG12S250	(4) 6V12 (13)	13.64	9:32			
Room 134 Exit Left	5LER4502	(2) 6V7 (13)	13.73	9:34			
Room 134 Exit Right	5LER4502	(2) 6V7 (13)	13.18	9:37	X	√	*See Repairs List*
Room 126 Electrical	RG12S360	PA-1233 (15)	14.10	9:33			
Room 124E- Gym Storage	RG12S360	PA-1233 (11)	13.03	9:37	X	√	*See Repairs List*
Room 124G- Gym Storage	RG12S360	PA-1233 (11)	13.07	9:35	X	√	*See Repairs List*
Room 115	RG12S360	PA-1233 (15)	14.16	9:39			
Storage Room 114	RG12S250	PA-1233 (15)	13.61	9:39			
Room 112B- Servery	RG12S360	PA-1233 (12)	13.71	9:41			
Room 107E off of 107	RG12S360	(4) 6V12 (13)	13.17	9:45	X	√	*See Repairs List*
Safe Room 100L	RG12S3250	PA-1233 (12)	13.48	9:50	X	√	*See Repairs List*
Room 201A	5LER4502	(4) 6V7 (13)	13.43	10:00			

A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

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CAN/ULC S536-04

SPRINKLERS

INDIVIDUAL DEVICE RECORD

Date: July 6th & 7th, 2016

Building Name: St. Patrick's High School Address: 1001 Rapids Parkway, Sarnia

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Sprinkler Room- Alarm Valve	ESV	√				24	√		
Sprinkler Room- Main Control Valve	ESV	√				24	√		
Sprinkler Room	FS	√		√		25			
Room 3	FS	√		√		25			
Room 3	PS	√		√		41			
Room 3	PS	√		√		42			
Room P- 1504 Receiving	ESV	√				47	√		
Room P- 1504	FS	√		√		30			
Hall by Gym (by 1511)	ESV	√				48	√		
Hall by Gym (by 1511)	FS	√		√		31			
Hall by Main Office	ESV	√				46	√		
Hall by Main Office	ESV	√				45	√		
Hall by Main Office	FS	√		√		29			
Hall by Main Office	FS	√		√		28			
By Main Entrance	ESV	√				43	√		
By Main Entrance	FS	√		√		26			
2nd Flr Chapel Mezz. Rm. 267	ESV	√				49	√		
2nd Flr Chapel Mezz. Rm. 267	FS	√		√		32			
By Room 2101	ESV	√				50	√		
By Room 2101	FS	√		√		33			
In 2101	ESV	√				51	√		
In 2101	FS	√		√		34			
By Room 2320	ESV	√				52	√		

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1451A	*0.9-2.1 (Mod 400)*
2451A	*2.3-3.7 (Mod 400)*

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CAN/ULC S536-04

SPRINKLERS

INDIVIDUAL DEVICE RECORD

Date: July 6th & 7th, 2016

Building Name: St. Patrick's High School Address: 1001 Rapids Parkway, Sarnia

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
By Room 2320	FS	√		√		35			
By Room 2320	FS	√		√		36			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1451A	*0.9-2.1 (Mod 400)*
2451A	*2.3-3.7 (Mod 400)*

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CANADIAN FIRE ALARM ASSOCIATION

FIRE ALARM & EMERGENCY LIGHTING
REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm			
1	North Right Exit from Cafeteria Room # 112	M	Replaced (1) Manual Pull Station Glass Rod	08/24/2016
2	Men's Washroom - Room 220	H/S	Replaced Device w/ (1) GIR-HDVM Horn Strobe	08/24/2016
3	By 213	H/S	Replaced Device w/ (1) GIR-HDVM Horn Strobe	08/24/2016
4	Room 114	H/S	Obstruction Removed, Found Device Damaged. Required replacement	08/24/2016
	Emergency Lighting			
1	Room 222	RG12S360	Replaced Battery w/ (1) Enersys NP33-12	08/24/2016
2	Hall By 176	RG12S360	Replaced w/ (1) Enersys NP33-12, (1) 12V Bipin Lamp	08/24/2016
3	Room 134 Exit Right	5LER4502	Replaced PC Board w/ (1) CB-093	08/24/2016
4	Room 124E- Gym Storage	RG12S360	Replaced Battery w/ (1) Enersys NP33-12	08/24/2016
5	Room 124G- Gym Storage	RG12S360	Replaced Battery w/ (1) Enersys NP33-12	08/24/2016
6	Room 107E off of 107	RG12S360	Replaced w/ 12 Volt Single Remote Head	08/24/2016
7	Safe Room 100L	RG12S250	Replaced w/ (1) 12V Bipin Lamp	08/24/2016
	Sprinkler Repairs			
1	Sprinkler Repairs Completed. See Report.			

Additional Comments:

ANDERSON'S ELECTRONICS Inc.

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record

C&H FIRE SUPPRESSION SYSTEMS INC.

183 Exeter Rd., Unit 183
London, Ontario
PHONE (519) 652-5086
FAX (519) 652-8719

Sprinkler Inspection Report

Report To:	**Andersons Electronics**	Location:	**St. Patricks**
Building Occupancy Type:	**Instititional**	Hazard:	**Light**
Address:	**1001 Rapids Parkway**	Inspector:	**T.Neves**
City/Province:	**Sarnia**	Date:	**July 6, 2016**
		Date:	**Aug. 24, 2016**

Where used in this report, N/A means not applicable
Deficiencies involving the issuance of a Certificate Of Compliance will be answered with a "NO" and addressed in section #16

1. GENERAL:

a) Is the building occupied according to information furnished by the owner?	YES
b) Is the occupancy the same as the previous inspection according to information supplied by owner?	YES
c) Are all systems in service?	YES
d) Are all systems the same as the last inspection according to information from the owner?	YES
e) Is building completely sprinklered?	YES
f) Are all new additions and renovations properly protected?	N/A
g) Is all storage and stock below sprinkler piping?	YES
h) Has the building been free of fires since the last inspection?	YES
i) Where there are wet systems, is the building properly heated to prevent the pipes from freezing?	YES

2. CONTROL VALVES:

a) Are all main control valves open?	YES
b) Are all valves in good condition?	YES
c) Are all valves sealed or supervised?	Supervised

3. WATER SUPPLIES:

a) Was a flow test done using a 2" drain?	YES
b) The static pressure was?	62psi
c) The residual pressure was?	58psi
d) Type of water supply?	CITY

4. TANKS, PUMPS & SIAMESE:

a) Are siamese connections in good condition, couplings free, caps in place and ball drips open? YES

(chrome)

5. FIRE HYDRANTS:

N/A

6. WET SYSTEMS:

# of wet systems: **2** Make & Model: **Reliable Model E**

a) Are alarm valves in good condition?	YES
b) Are flow switches working and in good condition?	YES
c) Are tamper switches working and in good condition?	YES
d) Is the excess pressure pump functional?	YES
e) Is the valve trimmed properly?	YES
f) The operation of the excess pressure pump is?	AUTO
g)The excess pressure pump automatically starts at?	107psi
h)The excess pressure pump automatically stops at?	122psi

7. DRY SYSTEMS:

8. ANTI-FREEZE SYSTEMS: N/A

9. SPECIAL SYSTEMS:

N/A

10. STANDPIPE SYSTEMS:

N/A

11. ALARMS:

a) Did the water motor gong test satisfactorily?	YES
b) Did the electric alarm test satisfactorily?	YES
c) Did the supervisory alarms test satisfactorily?	YES
d) The low pressure switch sends a low pressure warning at?	81/86psi

12. SPRINKLERS & PIPING:

a) Are all sprinklers in good condition, free from obstruction, corrosion and loading?	YES
b) Are the sprinklers less than 50 years old?	YES
c) Are there spare sprinklers and a wrench in the head cabinet?	No
d) Is the condition of the piping, drain valves, hangers and gauges in good condition?	YES
e) Have the sprinklers been checked for the proper temperature rating?	YES

13. CONTROL VALVES & DEVICE LIST:

Zone or Location	Device	Supplies	Condition
Sprinkler Room	Alarm Valve-West	Sprinkler	Operational
	Main Control Valve	Sprinkler	Operational
	Low Pressure Switch (PS120)	Sprinkler	Operational
	Flow Pressure Switch (PS10)	Sprinkler	Operational
	Alarm Valve-East	Sprinkler	Operational
	Main Control Valve	Sprinkler	Operational
	Low Pressure Switch (PS120)	Sprinkler	Operational
	Main Control Valve	City Supply	Operational
in front of Gym Hall	Flow Switch	Gr. Gym	Operational
	Butterfly Control Valve	Gr. Gym	Operational
Receiving/ Custodian	Flow Switch	Grd. Flr. West Spr.	Operational
#116	Butterfly Control Valve	Grd. Flr. West Spr.	Operational
in front of Office	Flow Switch	Grd. Flr. South Spr.	Operational
	Butterfly Control Valve	Grd. Flr. South Spr.	Operational
in front of Office	Flow Switch	Grd. Flr. East Spr.	Operational
	Butterfly Control Valve	Grd. Flr. East Spr.	Operational
Main Entrance	Flow Switch	Grd. Flr. North Spr.	Operational
	Butterfly Control Valve	Grd. Flr. North Spr.	Operational
Chapel Mezzanine	Flow Switch	2nd Flr. North Spr.	Operational
	Butterfly Control Valve	2nd Flr. North Spr.	Operational
in front of Rm. 2241	Flow Switch	2nd Flr. East Spr.	Operational
	Butterfly Control Valve	2nd Flr. East Spr.	Operational
in front of Rm. 2210	Flow Switch	2nd Flr. West Spr.	Operational
	Butterfly Control Valve	2nd Flr. West Spr.	Operational
in front of Rm. 2210	Flow Switch	Mech. Rm. 2nd Flr.	Operational
	Butterfly Control Valve	Mech. Rm. 2nd Flr.	Operational
Shop Room	Control Valve	Dust Collector	Not in Service
(Anti-freeze System)			
In Room 2101	Butterfly Control Valve	2nd Flr. South Spr.	Not in Service
In Room 2101	Flow Switch	2nd Flr. South Spr.	Not in Service
2nd Floor Mech Room	4" Butterfly Control Valve	1st Flr C Wing Spr	Operational
2nd Floor Mech Room	Flow Switch	2nd Flr C Wing Spr	Operational
2nd Floor Mech Room	4" Butterfly Control Valve	2nd Flr C Wing Spr	Operational
2nd Floor Mech Room	Flow Switch	2nd Flr C Wing Spr	Operational
2nd Floor Mech Room	2-1/2" Butterfly Control Valve	Mech Room Spr	Operational
2nd Floor Mech Room	Flow Switch	Mech Room Spr	Operational

14. Listed are recent changes in the building occupancy or fire protection equipment.

NONE

15. The following are corrections made at the time of inspection.

NONE

16. DEFICIENT ITEMS:

~~***No spare sprinkler head wrench in head box.**~~** Installed Aug. 24th, 2016**
~~***Room 116 Mech. Rm. Re-install removed sprinkler head and piping.**~~****Installed Aug. 24th, 2016**

The above items are deficient as per The Ontario Fire Code and need to be corrected immediately.
A certificate of inspection cannot be issued until all items under section #16 have been addressed.
Consultation with the local fire prevention office is suggested, if discrepancies occur

17. The following items are recommendations only.

NONE

• LIMITATION OF LIABILITY: It is understood and agreed that the INSPECTOR is NOT an insurer and is NOT warranting or guaranteeing the adequacy, performance or life expectancy of any structure, item, component or system in the building. Further, it is mutually agreed that the maximum amount of joint and several liability the INSPECTOR can incur for any error, mistakes, omissions, breach of contract, breach of warrantee, negligent hiring, or any other theory of liability including violation of a statute or consumer protection act is strictly limited to the FEE PAID for the inspection report.

NOTE: This inspection/test was performed in accordance with The Ontario Fire Code. This inspection does **NOT** certify that the sprinkler system installation complies with NFPA, OBC or Ontario Retrofit Reg. #627/92 (an engineer's report would be required to certify this).

As per the requirements of The Ontario Fire Codes, the inspecting company must submit this report to the local Fire Prevention office

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: July 6th & 7th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

ST. PATRICKS CATHOLIC HIGH SCHOOL, 101 THE RAPIDS PARKWAY, SARNIA

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04. THE SPRINKLER SYSTEM & FIRE HYDRANT HAVE ALSO BEEN INSPECTED AT THIS LOCATION.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS ALSO COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Kevin Bury	CONFIRMED BY:	Jim Anderson
CFAA #:	19-995199		
FA. REP'S TECH:	Kevin Bury	DATED:	August 24th, 2016
CFAA #:	19-995199		

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
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FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: August 2nd, 2016

Building Name: St. Ursula

Address: 426 Lacroix Street, Chatham

Security/Fire Alarm Panel [Make / Model]: Mircom FA-1000

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm System	√		
E	The fire alarm system documentation is on site and includes a description of the system			√
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages	√		
H	Comments: * All repairs completed during inspection			
I	A copy of this report has been given to: Paul Lernout Who is the; Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Martin Archibald

CFAA #: 19-992081

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

ANDERSON'S ELECTRONICS Inc.

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FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre	√		
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

Damar Keypad Code 1951	Name	DAMAR- 883340 Chargers
	Phone Number	1 (800) 265-7562

ANDERSON'S ELECTRONICS Inc.

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Electrical Room 121A off of Boiler Room 121
Control unit or transponder identification	Mircom FA-1000

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Room 121A off of Boiler Room 121
Circuit breaker or disconnect means location	Room 121A off of Boiler Room 121

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		NP-1212
Battery manufacturer's date code or ins service date	Date	2015
Battery Voltage (main power supply 'ON') is	Voltage	26.10
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.50
	Current (A)	0.22
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	24.90
	Current (A)	0.95
The charging current is	Current (mA)	1349

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	12
Record the battery terminal voltage after tests are completed.	VDC	25.80

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 5.73

ANDERSON'S ELECTRONICS Inc.

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London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates	√		
Individual alarm and supervisory input zone clearly indicated and separately designated	√		
Individual alarm and supervisory input zone designation labels are properly identified	√		
Common trouble signal operates	√		
Visual indicator test (lamp test) operates	√		
Displays are visible in the installed location	√		
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements	√		
Alarm signal silence visual indicator operates	√		
Switches for ancillary functions operate as per design and specification.	√		
Other Ancillary functions visual indicators operates	√		
Manual activation of alarm signal and indication operates	√		
Operates on emergency power	√		

Annunciator or remote trouble signal unit location	Main Entrance
Annunciator or remote trouble signal unit identification	Mircom

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates	√		
Individual alarm and supervisory zone indication operates (see exception)	√		
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)	√		
Specify method of confirmation: Manual Visual	√		
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation	√		
Input wiring from control unit or transponder is supervised	√		
Alarm signal silence visual indicator operates.	√		
Switches for ancillary functions operate as per design and specification.	√		
Individual alarm and supervisory input zone designation labels are properly identified.	√		
Common trouble signal operates.	√		
Visual indicator test (lamp test) operates.	√		
Displays are visible in the installed location.	√		
Operates on emergency power	√		
Manual activation of alarm signal and indication operates.	√		
Other ancillary functions visual indicators operates.	√		

Annunciator or sequential display locations	Room 100
Annunciator or sequential display identification	BB-1001

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√
Remote trouble signal unit locations	N/A		
Remote trouble signal unit identification	N/A		

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√
Printer Location	N/A		
Printer Identification	N/A		

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√
Control Unit or Transponder Location	N/A		
Control Unit or Transponder Identification	N/A		
Data Communication link identification	N/A		

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm)	√		
Door Holders (2)	√		

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 2nd, 2016

Building Name: St. Ursula Address: 426 Lacroix Street, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS/REPAIRS
West Exit by Rm 124	M (# 10)	√		√		5			EOL
Hall By Room 126	S (6249C)	√		√		5			
Hall By Room 126	B	√		√		S-3			EOL
Mechanical Room 128	RHT	√		√		5			
Custodial Room 128A	RHT	√		√		5			
Custodial Room Exit 128A	M (# 9)	√		√		5			
Hall By Room 120	B	√		√		S-2			EOL
Hall By Room 120	S (C2M PDI)	√		√		5			Relay Base
Hall By Room 118 Hall Doors	S (C2W BA)	√		√		3			
Hall By Room 118	S (1400A)	√		√		3			
Staff Work Room 130	RHT	√		√		3			
Staff Work Room Rear 130A	RHT	√		√		3			
Staff Room C1321	RHT	√		√		3			
Storage Room 111	RHT	√		√		3			
Hall By 134	S (6249C)	√		√		4			
Hall By Room 119	B	√		√		S-2			
Hall By Room 119	S (6249C)	√		√		4			
Room 119	RHT	√		√		4			
Exit By Room 119	M (# 8)	√		√		4			EOL
Hall By Room 118	B	√		√		S-3			
Exit By Room 116	M (# 7)	√		√		3			
Exit By Room 116	S (C2M PDI)	√		√		3			
Hall By Room 105	S (C2M PDI)	√		√		3			
Library Office 105	RHT	√		√		3			
French Room 103	RHT	√		√		3			
Hall Exit 102	M	√		√		2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 2nd, 2016

Building Name: St. Ursula Address: 426 Lacroix Street, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS/REPAIRS
Main Library 101	RHT	√		√		3			High
Library Study (Left)	RHT	√		√		3			
Library Study (Right)	RHT	√		√		3			
Library Study Exit	M (# 6)	√		√		3			
Hall By Library	B	√		√		S-2			
Hall By Library 101	S (C2M PDI)	√		√		3			
Room Exit 112	M (# 5)	√		√		3			
Store Room By Staff W/C 110	RHT		X			2			*See Repairs List*
South Exit By Room 4	M (# 1)	√		√		2			
Hall By Altar	S (C2M PDI)	√		√		2			
Hall By Staff W/C Room 108	S (6249C)	√		√		2			
Closet by Room 108	RHT	√		√		2			
Hall By Office	B	√		√		S-2			
Hall By Office	S (6249C)	√		√		2			
Exit By Office Main Entrance	M (# 1)	√		√		2			
Custodian Room	RHT	√		√		2			
Photocopy Storage	RHT	√		√		2			
Hall By Boiler 121	S (C2M PDI)	√		√		2			
Boiler Room	HT	√		√		2			Elect. Tested
Electrical Room	RHT	√		√		2			EOL
Storage Room 125	RHT	√		√		1			
Hall By Boys W/C 127	B	√		√		S-2			
Hall By Boys W/C 127	S (C2M PDI)	√		√		2			
Hall By Room 144	S (C2M PDI)	√		√		2			
Exit By Room 144	M (# 2)	√		√		2			
Gym Storage	RHT	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 2nd, 2016

Building Name: St. Ursula Address: 426 Lacroix Street, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS/REPAIRS
Gym Right Exit	M	√		√		1			
Gym	B	√		√		S-1			
Gym Exit By Stage	M	√		√		1			
Gym Hall To Stage 123	S (6249C)	√		√		2			
Gym Stage	RHT	√		√		1			High
Stage Left	RHT	√		√		1			High
Front Entrance	Ann	√		√					
Right Mezzanine	RHT	√		√		1			High
Under Stage Center	HT-RES.	√		√		1			
Hall to West Wing By Room 9	Door Holders	√		√		S-2			
Hall By Room 9	Aux Relay	√		√		S-2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1400A	*1.0-2.4 (Mod 400)*
2400A	*0.8-1.56 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING
INDIVIDUAL DEVICE RECORD

Date: August 2nd, 2016

Building Name: St. Ursula Address: 426 Lacroix Street, Chatham

LOCATION	MODEL #	BATTERY	RH#	A	B	C	D	REMARKS
Gym West Wall	RG 36	PA-6V12 (06)	N/A	N/A	2:00			Panel PPB cct 19
Gym East Wall	SLA-36	PA-6V7.2 (14)	N/A	N/A	2:00			Panel LPA cct 39
Boiler Room	RG 36	PA-6V12 (10)	2	N/A	2:00			Panel PPB cct 28
By Library	RG 36	PA-6V12 (10)	2	N/A	2:00			Panel PPB cct 36
Library	RG 36	PA-6V12 (13)	N/A	N/A	2:00			Panel LPA cct 6
By Room 117	PC9-36	UB670 (12)	N/A	N/A	2:00			Plug
Mechanical Room	12 MSL 360	BB EP33-12 (10)	6	N/A	2:00			Plug

A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Requires Service, Repairs, Missing
D- Repairs Completed

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FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
1	Store Room By Staff W/C 110	RHT	Replaced Device w/ (1) Mircom 5601A Detector	03/02/2016
	Emergency Lighting			
	No Repairs Required			

Additional Comments:

Portable Zone Has Been Re-Labelled To Correct Zone # 5

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

183 Exeter Road, Unit A
London, Ontario
PHONE (519) 652-5086
FAX (519) 652-8719

Hydrant Inspection Report

Report To:	**Andersons Electronics**	Location:	**St. Ursula**
Address:	**426 Lacroix Street**	Inspector:	**T.Neves**
City/Prov:	**Chatham**	Date:	**July 22, 2016**

Where used in this report, N/A means not applicable
Deficiencies involving the issuance of a Certificate Of Compliance will be answered with a "NO" and addressed in section # 6

1. GENERAL:

a) Are the hydrant(s) free from obstructions and accessible?	YES
b) Are the hydrant(s) visible and clearly marked?	YES

2. WATER SUPPLIES:

a) Was a flow test done?	YES
b) Was water flowed from the hydrant for a minimum time of one minute with the valve fully open?	YES
c) Was the water free of debris?	YES
d) Type of water supply?	City Water Supply

3. FIRE HYDRANTS:

a) Was the hydrant valve found?			YES
b) Was the hydrant valve open?			YES
c) Did the fire hydrant open & operate properly?			YES
d) Was the bonnet "O " ring lubricated?			YES
e) Were the outlet caps in place and tight?			YES
f) Was water flowed from the hydrant?			YES
g) Did the water drain from the barrel properly?			YES
h) Was a flow test done?			YES
i) The static pressure was?			**52**
j) The pitot reading from an engineered playpipe was	**35**	Using an outlet size of	**2.5**
k) The USGPM results are?			**993**

4. Listed are recent changes in the building occupancy or fire protection equipment:

NONE

5. The following are corrections made at the time of inspection:

NONE

6. The following items are deficient as per The Ontario Fire Code and need to be corrected immediately:

NONE

The certificate of inspection cannot be issued until all items under section #6 have been completed.

7. The following items are recommendations only.

NONE

NOTE: This inspection/test was performed in accordance with The Ontario Fire Code. This inspection does NOT certify that the fire hydrant installation complies with NFPA, OBC or Ontario Retrofit Reg. #627/92 (an engineer's report would be required to certify this).

LIMITATION OF LIABILITY: It is understood and agreed that the **INSPECTOR** is **NOT** an insurer and is **NOT** warranting or guaranteeing the adequacy, performance or life expectancy of any structure, item, component or system in the building. Further, it is mutually agreed that the maximum amount of joint and several liability the **INSPECTOR** can incur for any error, mistakes, omissions, breach of contract, breach of warrantee, negligent hiring, or any other theory of liability including violation of a statue or consumer protection act is strictly limited to the **FEE PAID** for the inspection report.

As per the requirements of The Ontario Fire Codes, the inspecting company must submit this report to the local Fire Prevention office

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: August 2nd, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

ST. URSULA- 426 LACROIX STREET, CHATHAM

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04. THE FIRE HYDRANT HAVE ALSO BEEN INSPECTED AT THIS LOCATION.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS ALSO COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Martin Archibald	CONFIRMED BY:	Jim Anderson
CFAA #:	19-992091		
FA. REP'S TECH:	Martin Archibald	DATED:	August 30th, 2016
CFAA #:	19-992091		

ANDERSON'S ELECTRONICS Inc.

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Phone: (519) 657-2063
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FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: August 12th, 2016

Building Name: St. Vincent

Address: 9399 McNaughton Line, Chatham

Security/Fire Alarm Panel [Make / Model]: Mircom FA-101T

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm System	√		
E	The fire alarm system documentation is on site and includes a description of the system		√	
F	The fire alarm system is fully functional	√		
G	The fire alarm system has deficiencies noted on the attached pages	√		
H	Comments: * All repairs completed during inspection			
I	A copy of this report has been given to: Paul Lernout Who is the: Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Martin Archibald

CFAA #: 19-992091

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

ANDERSON'S ELECTRONICS Inc.

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CANADIAN FIRE ALARM ASSOCIATION

FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm			√
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal			√
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre			√
Receipt of the trouble transmission to the fire signal receiving centre			√
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

Name	DAMAR- 883341 Vikings
Phone Number	1 (800) 265-7562

ANDERSON'S ELECTRONICS Inc.

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London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	By Boiler Room 113
Control unit or transponder identification	Mircom FA-101T

ANDERSON'S ELECTRONICS Inc.

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London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	By Boiler Room 113
Circuit breaker or disconnect means location	Boiler Room Panel LPN CCT # 7

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		(2) Enersys NP7-12
Battery manufacturer's date code or ins service date	Date	2011
Battery Voltage (main power supply 'ON') is	Voltage	26.60
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.50
	Current (A)	0.066
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.20
	Current (A)	0.585
The charging current is	Current (mA)	0.89

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.			√
(v) Replace the batteries with a new set having a current date code/capacity/type	√		

Record battery capacity	AH	7
Record the battery terminal voltage after tests are completed.	VDC	25.40

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 2.01

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory input zone clearly indicated and separately designated			√
Individual alarm and supervisory input zone designation labels are properly identified			√
Common trouble signal operates			√
Visual indicator test (lamp test) operates			√
Displays are visible in the installed location			√
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements			√
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power			√

Annunciator or remote trouble signal unit location	N/A
Annunciator or remote trouble signal unit identification	N/A

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory zone indication operates (see exception)			√
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised			√
Alarm signal silence visual indicator operates.			√
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.			√
Common trouble signal operates.			√
Visual indicator test (lamp test) operates.			√
Displays are visible in the installed location.			√
Operates on emergency power			√
Manual activation of alarm signal and indication operates.			√
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	N/A
Annunciator or sequential display identification	N/A

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REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√

Remote trouble signal unit locations	N/A
Remote trouble signal unit identification	N/A

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√

Printer Location	N/A
Printer Identification	N/A

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)			√
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or			√
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√

Control Unit or Transponder Location	N/A
Control Unit or Transponder Identification	N/A
Data Communication link identification	N/A

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm)	√		
Door Holders (2)	√		

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 12th, 2016

Building Name: St. Vincent Address: 9399 Mc Naughton Line E., Chatham

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Gym Exit Right	M	√		√		1			
Gym Back	RHT	√		√		1			High
Gym Centre	RHT	√		√		1			High
Gym Front	RHT	√		√		1			High
Gym Exit Left	M	√		√		1			
Gym	B	√		√		NAC-1			
Gym Electrical Rm	S (C2M PDI)	√		√		1			
Girls Change Room	S (6249C)	√		√		1			
Boy's Change Rm	S (C2M PDI)	√		√		1			
Gym Stage	RHT	√		√		1			Elect. Tested
Hall By Gym	S (C2M PDI)	√		√		1			
Hall By Gym	B	√		√		NAC-1			
East Exit	M	√		√		1			
East Exit	S (C2M PDI)	√		√		1			
Gym Storage	RHT	√		√		1			
Hall By Office	M	√		√		1			
Hallway French	B	√		√		NAC-1			
French Paper Storage	RHT	√		√		1			
FSL Room	RHT	√		√		1			
French Storage	RHT	√		√		1			
French Computer	RHT	√		√		1			
French Computer	M	√		√		1			
Hall By Office	RHT	√		√		1			
Staff Room Front	RHT	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1451A	*0.9-2.1 (Mod 400)*
2451A	*2.3-3.7 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 12th, 2016

Building Name: St. Vincent Address: 9399 Mc Naughton Line E., Chatham

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Staff Room Back	RHT	√		√		1			
Staff Room Exit	M	√		√		1			
Hall By Staff Room	M	√		√		1			
Slop Sink In Boys Washroom 111A	RHT		X			1			*See Repairs List*
Uniform Storage	RHT	√		√		1			
Boiler Room 113	HT	√		√		1			Elect. Test
Boiler Room	M	√		√		1			
Paint Storage 115	RHT		X			1			*See Repairs List*
Hall By Resource	B	√		√		NAC-1			
Custodian Room 117R	RHT	√		√		1			
Resource Office	RHT	√		√		1			
Room 1 (06)	RHT	√	X	√		1			*See Repairs List*
Room 1 Storage	RHT	√		√		1			
Room 4	RHT	√		√		1			
Room 4 Storage	RHT	√		√		1			
Reading Room	RHT	√		√		1			
Reading Room Hall by	M	√		√		1			
Library	RHT	√		√		1			
Hall By Library	B	√		√		NAC-1			
Mr McLain Room 11	RHT	√		√		1			
Hall By Library	RHT	√		√		1			
NW Exit	M	√		√		1			
Hall By NW Exit	S (C2M PDI)	√		√		1			
Room North Classroom 112	RHT	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1451A	*0.9-2.1 (Mod 400)*
2451A	*2.3-3.7 (Mod 400)*

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: August 12th, 2016

Building Name: St. Vincent Address: 9399 Mc Naughton Line E., Chatham

LOCATION	DEVICE	A	B	C	D	E	F	SENS.	REMARKS
Room 37	RHT	√		√		1			
Hall By Room 37	RHT	√		√		1			
Centre Hall	B	√		√		NAC-1			EOL
Storage Room 42	RHT	√		√		1			
Room 36	RHT	√		√		1			
Hall By Room 36	RHT	√		√		1			
Room 35	RHT	√		√		1			
Room 33	RHT	√		√		1			
NE Exit	M	√		√		1			EOL
Hall By NE Exit	RHT	√		√		1			
Hall By Office	Door Holder (2)	√		√		Aux			On Signal CCT Contacts
Hall By Library	Door Holder (2)	√		√		Aux			
Room 41 Day Care	RHT	√		√		1			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

Required Sensitivity

C2M PDI	*4-7 Blinks (Magnet)*
6249C	*0.6-1.8 (Solo Trutest)*
1451A	*0.9-2.1 (Mod 400)*
2451A	*2.3-3.7 (Mod 400)*

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CAN/ULC
EMERGENCY LIGHTING
INDIVIDUAL DEVICE RECORD

Date: August 12th, 2016

Building Name: St. Vincent Address: 9399 Mc Naughton Line E., Chatham

LOCATION	MODEL #	BATTERY	RH#	A	B	C	D	REMARKS
Gym Exit Out	RG 36 REI	PA-6V7.2 (11)	2	N/A	12:40	N/A	X	Brk # 11 in Panel G in Gym Elec. Rm. *See Repairs List*
Stage Stairs	RG 36	Magnavolt (15)	2	6.99	12:42	N/A		
Gym Entrance	RG 36 REI	PA-6V7.2 (13)	2	6.89	12:40	N/A		Brk # 9 in Panel G in Gym Elec. Rm
Hall By Gym	RG 36	PA-6V12 (14)	2	6.85	12:40	N/A		Brk # 9 in panel G
Storage Room # 23	RG 36	PA-6V7.2 (14)	2	7.01	12:43	N/A		
Hall By Office, Unit # 7	RG 36	PA-6V12 (14)	2	7.06	12:44	N/A		
Hall By Resource, Unit # 6	RG 36	PA-6V7.2 (09)	2	6.96	12:45	N/A	X	*See Repairs List*
Hall By Library, Unit # 5	RG 36	PA-6V12 (10)	2	7.00	12:47	N/A	X	*See Repairs List*
NW Exit, Unit # 4	RG 36	Magnavolt SLA6-12 (12)	2	6.99	12:49	N/A		
NE Hall, Unit # 3	RG 36	B612OP (12)	2	7.04	12:50	N/A		
Hall Beside Rm. 35, Unit # 2	RG 36	PA-6V12 (13)	2	7.01	12:51	N/A		
NE Exit, Unit # 1	RG 36	PA-6V12 (11)	2	6.97	12:53	N/A	X	*See Repairs List*
Early Learning Room (Rm. 41)	SLA12072	(2) VB670 (12)	2	14.11	12:54	N/A		

RH #- Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

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CANADIAN FIRE ALARM ASSOCIATION

FIRE ALARM & EMERGENCY LIGHTING REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
1	Mircom Fire Alarm Panel	FA-101T	Replaced Batteries w/ (2) EnerSys NP7-12	08/12/2016
2	Slop Sink In Boys Washroom 111A	RHT	Replaced Device w/ (1) 5601A Heat Detector	08/12/2016
3	Paint Storage 115	RHT	Replaced Device w/ (1) 5601A Heat Detector	08/12/2016
4	Room 106	RHT	Replaced Device w/ (1) 5601A Heat Detector	08/12/2016
	Emergency Lighting			
1	Gym Exit Out	RG 36 REI	Replaced Battery w/ (1) Panasonic PA-6V7.2	08/12/2016
2	Hall By Resource, Unit # 6	RG 36	Replaced Battery w/ (1) Panasonic PA-6V7.2	08/12/2016
3	Hall By Library, Unit # 5	RG 36	Replaced Battery w/ (1) Panasonic PA-6V7.2	08/12/2016
4	NE Exit, Unit # 1	RG 36	Replaced Battery w/ (1) Panasonic PA-6V7.2	08/12/2016

Additional Comments:

ANDERSON'S ELECTRONICS Inc.

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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: August 12th, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

ST. VINCENT- 9399 MC NAUGHTON LINE, CHATHAM

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS ALSO COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Martin Archibald	CONFIRMED BY:	Jim Anderson
CFAA #:	19-992091		
FA. REP'S TECH:	Martin Archibald	DATED:	August 12th, 2016
CFAA #:	19-992091		

ANDERSON'S ELECTRONICS Inc.

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FIRE ALARM SYSTEM
INSPECTION & TEST REPORT [Ref. CAN/ULC-S536-04]

This report covers the following inspection: Semi-Annual [ ] Annual [X]

Date: July 20th & 21st, 2016

Building Name: Ursuline College

Address: 85 Grand Avenue West, Chatham

Security/Fire Alarm Panel [Make / Model]: Edwards EST

		YES	NO	N/A
A	System provides single-stage operation	√		
B	System provides two-stage operation			√
C	System provides pre-action or cross-zone operation			√
D	The entire fire alarm system has been inspected and tested in accordance with CAN/ULC-S536, Inspection & Testing of Fire Alarm System		√	
E	The fire alarm system documentation is on site and includes a description of the system		√	
F	The fire alarm system is fully functional		√	
G	The fire alarm system has deficiencies noted on the attached pages	√		
H	Comments: * All repairs completed as of August 30th, 2016			
I	A copy of this report has been given to: Paul Lernout - SCCDSB Who is the: Owner [ ] or Owner's Representative [X] for this building			

The information on this form (and the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises for examination by the Fire Marshall or Inspector at their request.

Technician #1

Name: Kevin Bury

CFAA #: 19-995199

Signature: _____

Technician #2

Name: _____

CFAA #: _____

Signature: _____

ANDERSON'S ELECTRONICS Inc.

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CANADIAN FIRE ALARM ASSOCIATION

FIRE ALARM SYSTEM DOCUMENTATION [Ref. CAN/ULC-S536-04]

The fire alarm system has all the required documentation;	X	YES		NO

CONTROL UNIT OR TRANSPONDER TEST RECORD

YES = tested correctly NO = Did not test correctly N/A = Not Applicable (function or feature not provided on third fire alarm system)

CONTROL UNIT OR TRANSPONDER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.2.1]

	YES	NO	NA
Power 'ON' visual indicator	√		
Common visual trouble signal	√		
Common audible trouble signal	√		
Trouble signal silence switch	√		
Main power supply failure trouble signal operates	√		
Ground fault tested on positive and negative trouble signal	√		
Alert signal operation			√
Alarm signal operation	√		
Automatic transfer from alert signal to alarm signal			√
Manual transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Automatic transfer from alert signal to alarm signal cancel (acknowledge) feature operates on a two-stage system			√
Alarm signal silence inhibit function operates			√
Alarm signal manual silence operational	√		
Alarm signal silence visual indication operates	√		
Alarm signals, when silenced automatically reinitiate upon subsequent alarm	√		
Alarm signal silence automatic cut-out timer Time:			√
Audible and visual alert signals and alarm signals programmed and operate per design and specification; or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Test Procedures	√		
Input circuit, alarm and supervisory operation, including audible and visual indication operates	√		
Input circuit supervision fault causes a trouble indication	√		
Output circuit alarm indicates operational	√		
Output circuit supervision fault causes a trouble indication	√		
Visual indicator test (lamp test)	√		
Coded Signal sequences operate not less than the required number of times and the correct alarm signal operates thereafter			√
Coded signal sequences are not interrupted by subsequent alarm			√
Ancillary device by-pass will result in a trouble signal	√		
Input circuit to output circuit operation, including ancillary device circuits, for correct program operation, as per design and specification, or documentation as detailed in Appendix C - Description of Fire Alarm System for Inspection and Testing Procedures	√		
Fire alarm system reset operation	√		
Main power supply to emergency power supply transfer operates	√		
Status change confirmation (smoke detectors only) verified [Refer Subsection 5.7.4.3, Status Change Confirmation (Alarm Verification Feature)]			√
Receipt of alarm transmission to the fire signal receiving centre	√		
Receipt of the supervisory transmission to the fire signal receiving centre			√
Receipt of the trouble transmission to the fire signal receiving centre	√		
Operation of the fire signal receiving centre disconnect means results in a specific trouble at the control unit or transponder and transmits a trouble to the fire signal receiving centre	√		
Record the name and telephone number of the fire signal receiving centre	√		

	Name	DAMAR-883342 Lancers
	Phone Number	(519) 336-7111

ANDERSON'S ELECTRONICS Inc.

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VOICE COMMUNICATION TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.3.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Common visual trouble signal operates			√
Common audible trouble signal operates			√
Trouble signal silence switch operates			√
All call voice paging, including visual indicator operates			√
Output circuits for selective voice paging, including visual indication operates			√
Output circuits for selective voice paging trouble operation, including visual indication operates			√
Microphone including press to talk switch operates			√
Operation of voice paging does not interfere with entitled inhibit time of alert signal and alarm signal			√
All call voice paging operates (on emergency power supply)			√
Upon failure of one amplifier, system automatically transfers to back up amplifier(s)			√
Circuits for emergency telephone call in operation, including audible and visual indication operates			√
Circuits for emergency telephone for operation, including two-way voice communication operates			√
Emergency telephone verbal communication operates			√
Emergency Telephone Operable or in-use tone at handset operates			√

CONTROL UNIT OR TRANSPONDER INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.2.4.1]

	YES	NO	N/A
Input circuit designations correctly identified in relation to connected field devices	√		
Output circuit designations correctly identified in relation to connected field devices	√		
Correct designations for common control functions and indicators	√		
Plug-in components and modules securely in place	√		
Plug-in cables securely in place	√		
Cleanliness and free of dust and dirt	√		
Record the date, revision and version of firmware:			√
Date: Revision: Version:			
Record the date, revision and version of the program software:			√
Date: Revision: Version:			
Fuses in accordance with the manufacturer's specification	√		
Control unit/transponder lock is functional	√		
Termination points for wiring to field devices secure	√		

Control unit or transponder location	Electrical Room
Control unit or transponder identification	EST

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Electrical Room - FACP
Circuit breaker or disconnect means location	Electrical Room - 808

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		NP38-12B
Battery manufacturer's date code or ins service date	Date	2015
Battery Voltage (main power supply 'ON') is	Voltage	26.30
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	26.00
	Current (A)	1.14
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.90
	Current (A)	1.71
The charging current is	Current (mA)	1112

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	38
Record the battery terminal voltage after tests are completed.	VDC	26.00

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 28.13

ANDERSON'S ELECTRONICS Inc.

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Electrical Room - Booster 1 Supply Lower
Circuit breaker or disconnect means location	Electrical Room - 808

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		PK-12V13
Battery manufacturer's date code or ins service date	Date	2012
Battery Voltage (main power supply 'ON') is	Voltage	26.20
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	25.70
	Current (A)	0.05
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.40
	Current (A)	1.19
The charging current is	Current (mA)	505

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity	AH	13
Record the battery terminal voltage after tests are completed.	VDC	26.10

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 1.77

ANDERSON'S ELECTRONICS Inc.

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POWER SUPPLY INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.1]

	YES	NO	N/A
Fused in accordance with the manufacturer's marked rating of the system	√		
Adequate to meet the requirements of the system	√		

Control unit or transponder location	Electrical Room - Booster 2 Supply Top
Circuit breaker or disconnect means location	Electrical Room - 808

EMERGENCY POWER SUPPLY TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.3, 5.3.2, 5.33]

	YES	NO	N/A
Correct battery type as recommended by the manufacturer	√		
Correct battery rating as determined by battery calculations based on full system load	√		
Terminals cleaned and lubricated			√
Terminals clamped tightly	√		
Batteries free from physical damage	√		
Correct electrolyte level			√
Specific gravity of the electrolyte is within the battery manufacturer's specifications			√
Inspected for electrolyte leakage	√		
Adequately ventilated	√		
Disconnection causes trouble signal	√		
Generator provides power to the AC circuit serving the fire alarm system.			√
Trouble condition at the emergency generator results in an audible common trouble signal and a visual indication at the required annunciator.			√
Battery voltage not less than 85% of its rated capacity after tests completed	√		

Battery manufacturer and part number		PK-12V13
Battery manufacturer's date code or ins service date	Date	2012
Battery Voltage (main power supply 'ON') is	Voltage	26.30
Battery voltage and current with main power supply 'OFF' and fire alarm system in supervisory condition	Voltage	26.00
	Current (A)	0.06
Battery voltage and current with main power supply 'OFF' and fire alarm system in full load condition	Voltage	25.70
	Current (A)	0.97
The charging current is	Current (mA)	356

INDICATE TYPE OF BATTERY TEST PERFORMED (must choose 1 of 5 methods)

	YES	NO	N/A
(i) Required supervisory load for 24 h followed by the required full load operation;			√
(ii) Silent test using load resistor method for full duration test.			√
(iii) Silent accelerated test.			√
(iv) A battery capacity meter test.	√		
(v) Replace the batteries with a new set having a current date code/capacity/type			√

Record battery capacity		AH	13
Record the battery terminal voltage after tests are completed.		VDC	26.00

BATTERY CAPACITY CALCULATION

Required Battery Capacity (Ah): 1.86

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ANNUNCIATOR AND REMOTE TROUBLE SIGNAL UNIT TEST & INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Power 'ON' indicator operates			√
Individual alarm and supervisory input zone clearly indicated and separately designated			√
Individual alarm and supervisory input zone designation labels are properly identified			√
Common trouble signal operates			√
Visual indicator test (lamp test) operates			√
Displays are visible in the installed location			√
Input wiring from control unit or transponder is supervised and of the correct type and gauge in accordance with the equipment manufacturer's installation wiring requirements			√
Alarm signal silence visual indicator operates			√
Switches for ancillary functions operate as per design and specification.			√
Other Ancillary functions visual indicators operates			√
Manual activation of alarm signal and indication operates			√
Operates on emergency power			√

Annunciator or remote trouble signal unit location	N/A
Annunciator or remote trouble signal unit identification	N/A

ANNUNCIATOR AND SEQUENTIAL DISPLAY [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.2]

	YES	NO	N/A
Power 'ON' indicator operates	√		
Individual alarm and supervisory zone indication operates (see exception)	√		
Exception: Operation of each individual alarm and supervisory zone indication gives the identical indication, or lights the identical indicators at the other annunciator(s) and sequential display(s)			√
Specify method of confirmation:			√
Minimum of one alarm zone and one supervisory zone tested per annunciator or sequential display to confirm operation			√
Input wiring from control unit or transponder is supervised	√		
Alarm signal silence visual indicator operates.	√		
Switches for ancillary functions operate as per design and specification.			√
Individual alarm and supervisory input zone designation labels are properly identified.	√		
Common trouble signal operates.	√		
Visual indicator test (lamp test) operates.	√		
Displays are visible in the installed location.	√		
Operates on emergency power	√		
Manual activation of alarm signal and indication operates.	√		
Other ancillary functions visual indicators operates.			√

Annunciator or sequential display locations	Main Entrance, Auditorium Entrance, By Exit 13
Annunciator or sequential display identification	EST

ANDERSON'S ELECTRONICS Inc.

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London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

REMOTE TROUBLE SIGNAL UNIT TEST AND INSPECTION [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.3]

	YES	NO	N/A
Input wiring from control unit or transponder is supervised			√
Visual trouble signal operates			√
Audible trouble signal operates			√
Audible trouble signal silence operates			√

Remote trouble signal unit locations	N/A
Remote trouble signal unit identification	N/A

PRINTER TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.4, 5.4.1]

	YES	NO	N/A
Operates as per design and specification, or in accordance with documentation provided in Appendix E.			√
Zone of each alarm initiating device is correctly printed.			√
Rated voltage is present.			√

Printer Location	N/A
Printer Identification	N/A

DATA COMMUNICATION LINK TEST [Ref. CAN/ULC-S536-04, Clauses 5.1.5, 5.6 Note]

	YES	NO	N/A
Confirm that a trouble signal is received at the control unit or transponder under an open loop fault for each data communication link (DCL)	√		
Where fault isolation modules are installed in data communication links serving field devices, wiring shorted on the isolated side, annunciation of the fault confirmed, and then a device on the source side operated, and activation confirmed at the control unit or	√		
Where fault isolation in data communication links is provided between control units or transponders and between transponders, introduce a short circuit fault and confirm annunciation of the fault and operation outside the shorted section between each pair of:			√
(i) Control Unit to Control Unit			√
(ii) Control Unit to Transponder			√
(iii) Transponder to Transponder			√

Control Unit or Transponder Location	Electrical Room 808
Control Unit or Transponder Identification	EST
Data Communication link identification	DCCA 1,2,3

ANCILLARY DEVICE CIRCUIT TEST [Ref. CAN/ULC-S536-04, Clauses 4.2.2.1-AA, C5.1-AA]

CAUTION: The test reported on this form do not include the actual operational test on ancillary devices

RECORD SPECIFIC TYPE OF ANCILLARY CIRCUIT	Operation of Ancillary Circuit Confirmed		
	YES	NO	N/A
Security Tie (Alarm & Trouble)	√		
Door Holders		√	
Pager Transmitter	√		

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 20th & 21st, 2016

Building Name: Ursuline College Address: 85 Grand Ave West, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	CODE	REMARKS
Denomy W									
Top of Stairs By Room 921	S	√		√		A2.3		0104 0014	
Exit By 921	M	√		√		A2.1		0104 0044	
921 Back Hall	S	√		√		A2.1		0104 0029	
921 Back Hall	H/S	√		√		LB 4			
By Room 921	S	√		√		A2.1		0104 0028	
Hall By Room 921	H	√		√		LB 4			
Hall By Sink Room 920	S	√		√		A2.1		0104 0026	
By Room 920	H	√		√		LB 4			
Back Hall off 919	S	√		√		A2.1		0104 0027	NL
Back Hall off 919	H	√		√		LB 4			
Hall By 918	S	√		√		D2.1		0103 0040	
Room 918	RHT	√		√		D2.1		0103 0024	
By Room 918	H	√		√		UB 1			
Top of Stairs By 918	S	√		√		D2.1		0103 0011	
Exit By Top of Stairs by 918	M	√		√		D2.1		0103 0130	
Room 915	RHT	√		√		D2.1		0103 0073	
Back Room off 915	HT (284-C)	√		√		D2.1		0103 0131	Elect. Tested
By Room 916	S	√		√		D2.1		0103 0039	
By Room 916	H	√		√		NAC-2			
Room 914	RHT	√		√		D2.1		0103 0025	
Room 913	RHT	√		√		D2.1		0103 0026	
By 914	H	√		√		UB 1			
Top of Stairs to Mech. Rm (Penthouse)	S	√		√		D3.2		0104 0160	

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

UB Upper Booster
LB Lower Booster

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 20th & 21st, 2016

Building Name: Ursuline College Address: 85 Grand Ave West, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	CODE	REMARKS
Mechanical Room East	M	√		√		D3.1		0104 0160	
3rd Mechanical Room (Denomy)	H/S	√		√		UB 1			
Mechanical Room East	RHT	√		√		D3.1		0104 0071	
Mechanical Room Exit to Roof	M	√		√		D3.1		0104 0161	
Mechanical Room West	M	√		√		D3.1		0103 0039	
Mechanical Room West	RHT	√		√		D3.1		0103 0070	
By Room 912	S	√		√		D2.1		0103 0038	
Prep Room 912	RHT	√		√		D2.1		0103 0027	
Room off 912 (Storage Room)	RHT	√		√		D2.1		0103 0028	
Room 910	RHT	√		√		D2.1		0103 0029	
Room 909	RHT	√		√		D2.1		0103 0033	
By 909	H	√		√		NAC-2			
By 909	S	√		√		D2.1		0103 0037	
Chem Lab 908	RHT	√		√		D2.1		0103 0030	
Room 907 (Prep Room)	RHT	√		√		D2.1		0103 0031	
Back Room off 907 (Prep Room)	RHT	√		√		D2.1		0103 0032	
By 908	H	√		√		UB 1			
Top of Elevator Shaft	RHT	Tested By Edwards				D2.4		0104 0046	
Bio Lab 905	RHT	√		√		D2.1		0103 0034	
Prep Room 906	RHT	√		√		D2.1		0103 0035	
Back Room off 906	RHT	√		√		D2.1		0103 0041	
Room 904	RHT	√		√		D2.1		0103 0042	
By Room 904	S	√		√		D2.1		0103 0036	
Top of Stairs at 901	M	√		√		D2.1		0103 0032	
By 901	H	√		√		NAC-2			

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

UB Upper Booster
LB Lower Booster

ANDERSON'S ELECTRONICS Inc.

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London, Ontario N6H 5L8
Phone: (519) 657-2063
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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 20th & 21st, 2016

Building Name: Ursuline College Address: 85 Grand Ave West, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	CODE	REMARKS
Fan Room By 901	RHT	√		√		D2.1		0103 0043	
Top of Stairs By 901	S	√		√		D2.3		0103 0073	
Denomi 1st Floor									
Bottom of Stairs By 801	H	√		√		NAC-2			
Room 801	RHT	√		√		D1.1		0103 0089	
Room 802	H/S	√		√		NAC-2			
Room 802 Right	RHT	√		√		D1.1		0103 0176	
Room 802 Left	RHT	√		√		D1.1		0103 0077	
Room 802	M	√		√		D1.1		0103 0046	
Back Room off 802	HT	√		√		D1.1		0103 0146	Elect. Tested
Room 804 Workshop	H/S	√		√		NAC-2			
Room 804 Right	RHT	√		√		D1.1		0103 0078	
Room 804 Left	RHT	√		√		D1.1		0103 0079	
Room 804	M	√		√		D1.1		0103 0147	
Office off 804	HT	√		√		D1.1		0103 0148	Elect. Tested
Hall By 804	H	√		√		UB 1			
Room 805 Main Left	RHT	√		√		D1.1		0103 0080	
Room 805 Main Right	RHT	√		√		D1.1		0103 0087	
Room 805 Back Area	RHT	√		√		D1.1		0103 0082	
Office off Back Area	RHT	√		√		D1.1		0103 0183	
Office By Exit	RHT	√		√		D1.1		0103 0184	
Bottom of Stairs By 801/802	M	√		√		D1.1		0103 0184	
Bottom of Stairs By 801/802	S	√		√		D1.1		0103 0088	
Room 805 Rear	H	√		√		D1.1		0103 0088	

A- Correctly Installed
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C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

UB Upper Booster
LB Lower Booster

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CAN/ULC S536-04
FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 20th & 21st, 2016

Building Name: Ursuline College Address: 85 Grand Ave West, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	CODE	REMARKS
Exit Near Office Off 805	M	√		√		D1.1		0103 0150	
Computer Room off Prep Room	H	√		√		UB 1			
Computer Room off Prep Room	RHT	√		√		D1.1			
By 805	S	√		√		D1.2		0103 0087	
Prep Room	H	√		√		UB 1			
Hall By Prep Room	H	√		√		NAC-2			
Storage By 804 (Room 806)	RHT	√		√		D1.1		0103 0091	
By 807/805	S	√		√		D1.2		0103 0086	
By 807	H	√		√		UB 1			
Hall By 808 (Atrium)	S	√		√		D1.2		0103 0017	NL
Room 808	M	√		√		D1.2		0103 0127	
Elevator Room	RHT	√		√		D1.2		0103 0020	
Room 809	RHT	√		√		D1.2		0103 0018	
Room 809	Range Hood	Not Tested By AEI				D1.2			
Hall By 810/809	S	√		√		D1.2		0103 0016	
Hall By 810	H	√		√		NAC-2			
810 Exit	M	√		√		D1.2		0103 0129	
Hall By 811/813	S	√		√		D1.2		0103 0015	
Room 811	RHT	√		√		D1.2		0103 0018	
Custodial Rm By 813 (Main Water Rm)	RHT	√		√		D1.2		0103 0014	
Custodial Rm By 813 (Main Water Rm)	FS	Tested By C&H				128			2nd -Arts
Custodial Rm By 813 (Main Water Rm)	LPS					130			Ground- Arts
Custodial Rm By 813 (Main Water Rm)	ESV					131			Ground- Arts
Custodial Rm By 813 (Main Water Rm)	ESV					136			Fire Pump Run

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

UB Upper Booster
LB Lower Booster

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 20th & 21st, 2016

Building Name: Ursuline College Address: 85 Grand Ave West, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	CODE	REMARKS
Custodial Rm By 813 (Main Water Rm)	TS	Tested By C&H				430			Denomy Main
Custodial Rm By 813 (Main Water Rm)	TS					430			Denomy Main
Custodial Rm By 813 (Main Water Rm)	ESV					421			STD Pipe
Custodial Rm By 813 (Main Water Rm)	ESV					407			Grud East
Custodial Rm By 813 (Main Water Rm)	ESV					421			STD Pipe
Custodial Rm By 813 (Main Water Rm)	ESV					126			2nd Arts
Custodial Rm By 813 (Main Water Rm)	LP					408			Denomy East
Custodial Rm By 813 (Main Water Rm)	FS (Main Water)					409			Denomy Ground
Custodial Rm By 813 (Main Water Rm)	FS					129			Ground Arts
Custodial Rm By 813 (Main Water Rm)	LP					127			2nd Arts
Custodial Rm By 813 (Main Water Rm)	ESV					132			Arts Main ESV
Hall By Electrical Room	H	√		√		UB 1			
Electrical Room 808	RHT	√		√		D1.2		0103 0013	
Electrical Room 809	RHT	√		√		D1.2		0103 0012	
Exit to Stair By Electrical	M	√		√		D1.2		0103 0019	
Entrance By Auditorium	M	√		√		A1.1		0103 0137	
By 816	S	√		√		A1.1		0104 0019	
By 816	H	√		√		LB 3			
Drama Office Closet	RHT	√		√		A1.1			
Hall By Female W/C	S	√		√		A1.1		0104 0020	
Hall By Exit	H	√		√		LB 3			
By 815	S	√		√		A1.1		0104 0021	
By 814	H (G1RF-HD)		X			LB 3			*See Repairs List*

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UB Upper Booster
LB Lower Booster

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 20th & 21st, 2016

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LOCATION	DEVICE	A	B	C	D	E	F	CODE	REMARKS
By 814	S	√		√		A1.1		0104 0022	
Exit By Stage Left/Special Events Exit	M	√		√		A1.1		0104 0139	
Stage Left	H	√		√		LB 3			
Stage Right	H	√		√		LB 3			
Auditorium Exit Right South	M	√		√		A1.1		0104 0140	
Auditorium Right	H	√		√		LB 3			
Auditorium Rear (Centre)	H	√		√		LB 3			
Auditorium Left	H	√		√		LB 3			
Entrance to Orchestra Pit	S	√		√		A1.1		0104 0015	High
Ramp Off Auditorium Left (West Corridor)	S	√		√		A1.1		0104 0016	
Ramp Exit Near Room 816	S	√		√		A1.1		0104 0017	
Ramp off Auditorium Left	H	√		√		LB 3			
Lobby Northwest	H	√		√		LB 3			
Lobby Northwest	M	√		√		A1.1		0104 0143	
Lobby Northwest- Foyer North	S	√		√		A1.1		0104 0025	
Lobby Southwest	M	√		√		A1.1		0104 0141	
Lobby Southwest	H	√		√		LB 3			
Lobby Southwest- Foyer Centre	S	√		√		A1.1		0104 0024	
Lobby Southwest by W/C- Foyer South	S	√		√		A1.1		0104 0023	
Stage- Upper	H/S	√		√					
Administration Hallway									
Staff W/C	RHT	√		√		A1.1		0103 0021	
By Handicap W/C	H	√		√		NAC-2		0103 0021	

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Main Lobby	S	√		√		D1.3		0103 0072	
Main Exit South	M	√		√		D1.3		0103 0140	
Main Exit North	M	√		√		D1.3		0103 0142	
Admin Front Office	H	√		√		UB 1			
Admin Copy Room	RHT	√		√		D1.3		0103 0066	
Admin Breakroom (Café)	RHT	√		√		D1.3		0103 0068	
Admin Computer Room/ Security	RHT	√		√		D1.3		0103 0068	
Hall By VP's Office	RHT	√		√		D1.3		0103 0067	
Hall By Library- 707	S	√		√		D1.3		0103 0071	
Hall By Library	H	√		√		NAC-2			
Library Exit to Outside (707)	M	√		√		D1.3		0103 0144	
Hall By 705 (Library South)	S	√		√		D1.3		0103 0027	
Hall By 705	H	√		√		UB 1			
Hall Doors By 705	M	√		√		D1.3		0103 0145	
Main Gym Entrance- East	M	√		√		G1.1		0104 0145	
Right of Main in Gym Entrance NE	H	√		√		UB 4			
Gym Office	RHT	√		√					
Hall to Changeroom	H	√		√		UB 1			
Boy's Changeroom (West)	RHT	√		√		G1.2		0104 0043	
Boy's Storage Room	RHT	√		√		G1.2		0104 0044	
Girl's Changeroom (East)	RHT	√		√		G1.2		0104 0041	
Girl's Storage Room	RHT	√		√		G1.1		0104 0042	
Boys Change Room Exit	M	√		√		G1.2		0103 0141	

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Gym Storage	RHT	√		√		G1.1			
Entrance to Fitness Room	M	√		√		G1.1		0104 0048	
Gym Ceiling NE	RHT	√		√		G1.1		0104 0037	
Gym Ceiling SE	RHT	√		√		G1.1		0104 0036	
Gym Ceiling NW	RHT	√		√		G1.1		0104 0038	
Gym Ceiling SW	RHT	√		√		G1.1		0104 0035	
Gym SW Exit Hall	RHT	√		√		G1.1		0104 0033	
Gym Under Stage Right	RHT	√		√		G1.1		0104 0031	
Gym Under Stage Left	RHT	√		√		G1.1		0104 0032	
Gym Stage	RHT	√		√		G1.1		0104 0034	
Gym SE Exit Hall	RHT	√		√		G1.1		0104 0030	
Gym SE Exit Hall	M	√		√		G1.1		0104 0146	
Gym SE	H		X			UB 4			*See Repairs List*
Gym Award Hall- North	M	√		√		C1.1		0103 0402	West Caf. Hall Exit
Gym Award Hall- Caf. W. Corr @ Vest.	S	√		√		C1.1		0103 0309	RB
Gym Award Hall SE-Caf. W. Corr Cen.	S	√		√		C1.1		0103 0308	
Hall By SE Gym Entrance	S	√		√		C1.1		0103 0302	
Hall at Greenhouse	S	√		√		C1.1		0103 0306	
Greenhouse	H	√		√		NAC-2			
Greenhouse Exit to # 10	M	√		√		C1.1		0103 0405	
Hall to Merici @ East Storage	S	√		√		M1.2		0104 0063	RB
Storage @ Merici Stair (SE)	RHT	√		√		M1.2		0104 0058	
Gym S/W Hall Exit	M	√		√		G1.1		147	

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Hall to Merici	H	√		√		UB 1			
Exit to #9/ Merici South Corr. Exit	M	√		√		M1.2		0104 0155	
By Exit # 9/ Merici at Elev. Lobby	S	√		√		M1.2		0104 0164	RB
Elevator Room	RHT	√		√		M1.2		0104 0065	
Hall By Locker #2089/Merici N. & Stair	S	√		√		M1.2		0104 0057	
By Exit # 6/ Merici SW Exit	S	√		√		M1.2		0104 0059	
By Exit # 6/ Merici SW Exit	M	√		√		M1.2		0104 0154	
Hall By 507/ Merici North	S	√		√		M1.2		0104 0156	
Hall By 507	H	√		√		UB 1			
Hall By 508/ Merici W. Centre Exit	S	√		√		M1.2		0104 0165	
Exit By 508/ Merici Centre W. Exit	M	√		√		M1.2		0104 0153	
Fitness Room	H	√		√		UB 1			
Fitness Room/ Merici NW Exit #4	M	√		√		M1.2		0104 0152	
Fitness by Mechanical Room	H	√		√		UB 1			
Fitness Mech Room	ESV	Tested By C&H				425			Main ESV- Merici
Fitness Mech Room	ESV					422			Xavier- Main
Fitness Mech Room	FS					434			Xavier- Flow
Fitness Mech Room	LPS					433			Xavier- Low Pressure
Fitness Mech Room	LPS					431			Merici Low Pressure
Fitness Mech Room	FS					436			Merici Grd. Floor
Fitness Mech Room	ESV					424			Xavier Ground ESV
Fitness Mech Room	ESV					423			Greenhouse ESV
Fitness Mech Room	ESV					435			Merici Grd. Floor ESV
Fitness Mech Room	FS					432			Merici Main Flow- See Reps. List

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Fitness Mech Room	FS	Tested By C&H				428			Greenhouse Flow
Fitness Mech Room	FS					429			Merici 2nd Floor
Fitness Mech Room	ESV					406			Merici 2nd Floor ESV
Top of Stairs By 610- Merici N. Stair	S	√		√		M2.5		0103 0312	
Hall By 610- 2nd @ N. Stair	S	√		√		M2.1		0103 0277	
Exit By 610	M	√		√		M2.1		0103 0378	
Hall By 610	H	√		√		LB 2			
Hall By 609	S	√		√		M2.1		0103 0276	
Hall By W/C	H	√		√		LB 2			
Sink Room By W/C	RHT	√		√		M2.1		0103 0267	
Hall By 608	S	√		√		M2.1		0103 0272	
Room 608 Storage	RHT	√		√		M2.1		0103 0273	
Hall By 607	S	√		√		M2.1		0103 0271	
Hall By 606	H	√		√		LB 2			
Top of Elevator Shaft	RHT	√		√		M2.4	-	0104 0067	
Hall By Storage/Computer Storage	S	√		√		M2.1		0103 0270	
Hall on Ramp at Stair	S	√		√		M2.1		0103 0268	
Top of Stairs at 601/ Centre Stair	S	√		√		M2.2		0103 0262	
Exit By 601/ Merici @ Centre Stair	M	√		√		M2.1		0103 0377	
Custodial Rm	RHT	√		√		M2.1		0103 0267	
Exit By 601	H	√		√		LB 2			
Hall By 601	S	√		√		M2.1		0103 0263	
In Room 602	DS	√		√		M2.8		0103 0266	(above tile)
Hall By 605/ Merici at South Stair	S	√		√		M2.2		0103 0258	
In Room 604	DS	√		√		M2.7		0103 0265	(above tile)

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Exit By 603/ Merici at S. Stair	M	√		√		M2.2		0103 0367	
Exit By 603	H	√		√		LB 1			EOL
Top of Stair By 603/ Merici S. Stair	S	√		√		M2.3		0104 0069	
Exit By 503/ @ South Stair	M	√		√		M1.1		0104 0156	
Exit By 503	H	√		√		LB 1			
Hall By Chapel/ 505	S	√		√		M1.1		0104 0061	
Hall By 501	S	√		√		M1.1		0104 0060	
Custodial Room	RHT	√		√		M1.1		0104 0062	
Exit By 501	M	√		√		M1.1		0104 0151	
Exit By 501	H	√		√		LB 2			
Storage Under Stair North	RHT	√		√					
Exit to Stairs (400's)	M	√		√		MB.1		0104 0149	
Exit to Stairs (400's) By Mech. Rm.	H	√		√		LB 2			
Custodial RM	RHT	√		√		MB.1		0104 0050	
Mech Room	RHT	√		√		MB.1		0104 0053	
Mech Room Storage Right N	RHT	√		√		MB.1		0104 0048	
Mech Room Storage Left S	RHT	√		√		MB.1		0104 0047	
Hall By Electrical Room	S	√		√		MB.1		0104 0051	
Electrical Room	RHT	√		√		MB.1		0104 0049	
Hall By 402	S	√		√		MB.1		0104 0052	
Exit By 403- #35	M	√		√		MB.1		0104 0150	
Exit By 403	H	√		√		LB 1			
Stairwell Storage South	RHT	√		√		M2.2		0104 0068	
Staff Room Exit to Hall	M	√		√		M1.3		0104 0158	

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Staff Room Exit Out - West	M	√		√		M1.3		0104 0157	
Staff Room	H	√		√		LB 2			EOL
Hall By Locker # 1639/ South Corr. C.	S	√		√		C1.1		0103 0305	
Centre Hall	H	√		√		NAC-2			EOL
Hall By Exit 11/ Caf. Hall At Servery	S	√		√		C1.1		0103 0304	
Hall By Exit 11/ Caf. S. Corr. Exit	M	√		√		C1.1		0103 0401	
Hall By Servery/ Caf. @ S. Door	S	√		√		C1.1		0103 0310	
Storage Under Stairs By Old Gym	RHT	√		√		CB.2		0103 0284	
Boy's Changeroom (Lower)	RHT	√		√		CB.2		0103 0285	
Girl's Changeroom (Lower)	RHT	√		√		CB.2		0103 0286	
By Exit # 18/ Caf. NW Exit	M	√		√		C1.1		0103 0313	
Outside Boiler Room	M	√		√		C1.1		0103 0399	
Outside Boiler Room	HT (284C)	√		√				0103 0398	Elect. Tested
Outside Boiler Room - Left	H/S	√		√		UB 3			
Outside Boiler Room- NE	M	√		√		047/4		0103 0399	
Electrical Room	RHT	√		√		298/3		0103 0298	
Top of Stair at Custodial Room CAF N. Stair	S	√		√		C1.1		0103 0065	
Custodial Room	RHT	√		√		C1.1		0103 0299	
Resource Room 703	H	√		√		NAC-2			
Exit # 17- Vending Rm. Exit	M	√		√		C1.1		0103 0392	
Exit # 17- Vending Rm. Exit	RHT	√		√		C1.1		0103 0297	
Old Gym	H	√		√		UB 3			
Servery	HT	√		√		C1.1		0103 0300	Elect. Tested
Servery	HT	√		√		C1.1		0103 0300	Elect. Tested
Cafeteria Office	RHT	√		√		295/3			

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Cafeteria West	RHT	√		√		300			
Cafeteria South Exit	M	√		√		297/ C1.1			
Cafeteria North Exit	M	√		√		396/ C1.1			
By Student Room	H	√		√		UB 3			
Student Council Room	RHT	√		√				0103 0301	
Hall By Exit 15/ Caf. @ Lobby East	S	√		√		C1.1		0103 0303	
Hall By Exit 15/ Caf. East Corr. Exit	M	√		√		C1.1		0103 0400	
Hall By Men's W/C	H		X			UB 3			*See Repairs List*
Sink Room By Cafeteria	RHT	√		√		C1.1		0103 0302	
Custodial @ CAF E. Exit	RHT	√		√		C1.1		0103 0315	
Dance Entrance Room 310	M	√		√		C2.1		0103 0133	
Dance Entrance Room 310	H	√		√		UB 3			
Rear Exit Hall off 310	M	√		√		C2.1		0103 0134	
NE Storage Room off Dance Hall	RHT	√		√		C2.1		0103 0144	
Mechanical Rm off Dance Hall Front E	RHT	√		√		C2.1		0103 0046	
Mechanical Room Rear W.	RHT	√		√		C2.1		0103 0045	
Mechanical Room Rear	H	√		√		NAC-2			
Dance Hall East South Storage	RHT	√		√		C2.1		0103 0093	
Dance Hall East North Storage	RHT	√		√		C2.1		0103 0092	
Rear Dance Hall Stairs/ Caf. SE Stair	S	√		√		C1.1		0103 0296	
Xavier Stair @ 309- Xavier N. Stair	S	√		√		X2.2		0104 0076	
At 309- 2nd @ North Stair	M	√		√		X2.1		0103 0382	
By 301	S	√		√		X2.1		0103 0279	
By 302	H	√		√		LB 2			

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Top of Elevator	RHT	√		√		X2.4		0103 0311	
3rd Floor Mechanical Room	FS	Tested By C&H				379			Xavier 2nd
3rd Floor Mechanical Room	SV					380			Xavier 2nd
3rd Floor Mechanical Room Rear	HT	√		√		381			Elec Test
Custodial Supplies By 307	RHT	√		√		X2.1		0103 0282	
By 307	S	√		√		X2.1		0103 0278	
By 305	S	√		√		X2.1		0103 0283	
By 304	H	√		√		UB 2			
By 304/ South Stair	M	√		√		X2.1		0103 0383	
Top of Stairs By 304	S	√		√		X2.3		0103 0047	
Hall By Exit # 13/ Student Services	S	√		√		294/ X1.2		0103 0794	Xavier Lobby
Entrance to Student Services	M	√		√		X1.1		0103 0390	
Custodial Room	RHT	√		√		293		0103 0293	
Copy Room	H	√		√		UB 3			
Exit to # 12	H	√		√		UB 2			
Exit to # 12	M	√		√		X1.2		0103 0391	
By 204	H	√		√		UB 2			
By 204	M	√		√		X1.1		0103 0389	
By 205	S	√		√		X1.1		0103 0390	
By Custodial Supplies/ 207	S	√		√		X1.1		0103 0287	
Custodial Supplies	RHT	√		√		X1.1		0103 0289	
Hall 2nd By W/C	H	√		√		UB 3			
Centre Hall Mechanical Room	RHT	√		√		X1.1		0103 0288	

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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 20th & 21st, 2016

Building Name: Ursuline College Address: 85 Grand Ave West, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	CODE	REMARKS
Centre Hall Mechanical Room	FS	Tested By C&H				385			Xavier Ground Floor
Centre Hall Mechanical Room	ESV					386			Xavier Ground Floor
Centre Hall Mechanical Room	FS					387			Cafeteria
Centre Hall Mechanical Room	ESV					388			Cafeteria
By 208	S	√		√		X1.1		0103 0291	
By 209 @ North Stair	M	√		√		X1.1		0103 0384	
By 109 @ North Stair	M	√		√		XB.1		0103 0135	
By 108	S	√		√		XB.1		0103 0149	
Room 101- Stair Closet	RHT	√		√		XB.1		0103 0054	
Basement Mechanical Room	RHT	√		√		XB.1		0103 0057	
Basement Mechanical Room	FS	Tested By C&H				137			Xavier Basement
Basement Mechanical Room	SV					136			Xavier Basement
Hall By 103	H	√		√		UB 3			
Room 103 Right Kitchen N	RHT	√		√		XB.1		0103 0052	
Room 103 Left Kitchen S	RHT	√		√		XB.1		0103 0057	
Office off 103	RHT	√		√		XB.1		0103 0050	
Storage off 103	RHT	√		√		XB.1		0103 0053	
Centre Hall/ @ 107	S	√		√		XB.1		0103 0055	
Room 107 Storage	RHT	√		√		XB.1		0103 0056	
By Women's Washroom	H	√		√		UB 3			
By Exit 14/ Southeast Stair	S	√		√		XB.1		0103 0058	
By Exit 14/ @ Southeast Stair Exit	M	√		√		XB.1		0103 0139	
By 105	S	√		√		XB.1		0103 0059	

A- Correctly Installed
B- Requires Service, Repairs, Missing or Cleaning
C- Alarm Operation Confirmed
D- Annunciation Indication Confirmed
E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

UB Upper Booster
LB Lower Booster

ANDERSON'S ELECTRONICS Inc.
2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
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CAN/ULC S536-04

FIRE ALARM

INDIVIDUAL DEVICE RECORD

Date: July 20th & 21st, 2016

Building Name: Ursuline College   Address: 85 Grand Ave West, Chatham

LOCATION	DEVICE	A	B	C	D	E	F	CODE	REMARKS
Room 105 Storage	RHT	√		√		XB.1		0103 0094	
Custodial Supplies By 104	RHT	√		√		XB.1		0103 0063	
Tunnel Entrance off Custodial	RHT	√		√		XB.1		0103 0064	
Custodial Supplies By Pull Station S	RHT	√		√		XB.1		0103 0060	
Exit By 104 SW Stair Exit	M	√		√		XB.1		0103 0138	
Xavier 3rd @ 305- Above Tile	DS	√		√		X2.1			
Custodial at 101	RHT	√		√		XB.1		0103 0048	
Isolators									
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					

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LOCATION	DEVICE	A	B	C	D	E	F	CODE	REMARKS
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Beside Fire Alarm Panel	ISO	√		√					
Tub Across Fire Alarm Panel	ISO	√		√					
Tub Across Fire Alarm Panel	ISO	√		√					
Tub Across Fire Alarm Panel	ISO	√		√					

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C- Alarm Operation Confirmed
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E- Circuit Number or Address
F- Supervision and Ground Fault Detection of Wiring to Device Confirmed

UB Upper Booster
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CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: July 20th & 21st, 2016

Building Name: Ursuline College Address: 85 Grand Ave West, Chatham

#	LOCATION	MODEL #	BATTERY	RH#	A	B	C	D	REMARKS
1	Top of Stair @ 921	C12-72	(2) PA-6V4.5 (14)	2	13.67	9:40	260		
2	Back Hall off 921	C12-72	(2) BB-6V4.5 (13)	2	13.82	9:40	254		
3	Sink Room @ 920	C12-72	(2) PA-6V4.5 (13)	6	13.63	9:40	276		
4	Back Hall off 919	C12-72	(2) PA-6V4.5 (09)	2	13.69	9:40	328	X	*See Repairs List*
5	Electrical Room off Hall	C12-72	(2) PA-6V4.5 (15)	2	13.69	9:40	202		
6	Catwalk North	C12-72	(2) BB-6V4.5 (11)	4	13.72	9:40	271		
7	Catwalk South	C12-72	(2) BB-6V4.5 (13)	4	13.81	9:40	262		
8	Mechanical Rm East (# 31)	12 MSL 360	PA-1233 (09)	2	13.64	9:40	500	X	*See Repairs List*
9	Mechanical Rm Rear (# 32)	12 MSL 360	PA-1233 (15)	10	13.91	9:40	561	X	*See Repairs List*
10	Fan Room @ 901 Left (#30)	12 MSL 360	PA-1233 (11)	8	13.78	9:40	561		
11	Fan Room @ 901 Right (#29)	12 MSL 360	PA-1233 (15)	6	13.62	9:40	499		
12	Room 805- Rear Area	RG12S72	(2) PA-6V7.2 (15)	4	13.87	9:40	224		
13	Room 805- Front Entrance	RGC442MT9W	6V7.2 (14)	2	6.79	9:40	287		
14	Room 805 Bathroom (Right)	RGC442MT9W	PA-6V7.2	2	6.87	9:40	281		
15	Room 805 Bathroom (Left)	RGC442MT9W	PA-6V7.2	2	7.01	9:40	291		
16	Room 803	RGC442MT9W	PA-6V7.2	2	6.93	9:40	289		
17	Main Elect. in Denomy (#27)	12 MSL 360	PA-1233 (15)	2	13.49	9:40	743		
18	Main Electrical in Denomy (#28)	12 MSL 360	PA-1233 (15)	10	13.57	9:40	528		
19	Water Room (Aud. Hall) Left	12 MSL 360	(2) PS-612 (13)	6	13.81	9:40	1211		
20	Water Room (Aud. Hall) Right	12 MSL 360	(2) PA-6V12 (11)	10	13.69	9:40	1208		
21	Women's W/C (Aud. Hall)	C12-72	(2) PA-6V4.5 (12)	2	13.87	9:40	308		
22	Men's W/C (Aud. Hall)	C12-72	(2) PA-6V4.5 (11)	2	13.92	9:40	262	X	*See Repairs List*
23	Back Stage Left	C12-72	(2) PA-6V4.5 (14)	4	13.67	9:40	260		
24	Back Stage Left at OH Door	C12-72	(2) PA-6V4.5 (13)	2	13.49	9:40	275		
25	Stage Right	C12-72	(2) PA-6V4.5 (12)	4	13.82	9:40	302		
26	Stage Right #22	C12-72	(2) PA-6V4.5 (12)	2	13.73	9:40	315		
27	Aud. Left (NW)	C12-72	(2) PA-6V4.5 (12)	2	13.61	9:40	310		
28	Aud. NW Exit Ramp	C12-72	(2) BB-6V4.5 (11)	6	13.69	9:40	202		
29	Orchestra Pit	S12-160	(2) PA-6V12 (11)	10	13.72	9:40	921		

RH #- Remote Head Count
A- Battery Float Voltage (AC Power On)
B- Test Start Time
C- Battery Charging Current
D- Requires Service, Repairs, Missing

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CAN/ULC
EMERGENCY LIGHTING
INDIVIDUAL DEVICE RECORD

Date: July 20th & 21st, 2016

Building Name: Ursuline College Address: 85 Grand Ave West, Chatham

#	LOCATION	MODEL #	BATTERY	RH#	A	B	C	D	REMARKS
30	Auditorium West	C12-72	(2) PA-6V4.5 (12)	2	13.89	9:40	284		
31	Auditorium South	C12-72	(2) PA-6V4.5 (12)	2	13.91	9:40	265		
32	Auditorium SE Exit	C12-72	(2) PA-6V4.5 (12)	2	13.64	9:40	274		
33	Lobby Men's W/C	C12-72	(2) PA-6V4.5 (11)	4	13.79	9:40	288		
34	Lobby NW	C12-72	(2) BB-6V4.5 (14)	2	13.81	9:40	243		
35	Lobby SW	C12-72	(2) PA-6V4.5 (11)	2	13.87	9:40	258		
36	Project Booth	C12-72	(2) PA-6V4.5 (13)	2	13.64	9:40	265		
37	Lobby Womens W/C	C12-72	(2) BB-6V4.5 (10)	3	13.89	9:40	283		
38	Hall By Gym	SPEX-36	(2) PA-6V4.5 (15)	2	13.93	9:40	249	X	*See Repairs List*
39	Phys-ed Office (Gym) (# 25)	12 MSL 360	PA-1233 (15)	10	13.64	9:40	504	X	*See Repairs List*
40	Phys-ed Office (Gym) (# 26)	12 MSL 360	JC 1233 (15)	10	13.89	9:40	1367		
41	Gym Exit to Fitness	RG 36 REI	PA-6V7.2 (13)	2	6.87	9:40	119		
42	Fitness Mechanical Room (# 21)	12 PCH 350	PA-12V33 (07)	14	13.89	9:40	1836	X	*See Repairs List*
43	Fitness Mechanical Room (# 20)	RG 36	PA-6V7.2 (09)	4	7.11	9:40	209	X	*See Repairs List*
44	Gym SW Exit	RG 36 REI	PA-6V7.2 (08)	2	6.79	9:40	400	X	*See Repairs List*
45	Gym SW Exit By Stage	HXSW 36	PA-6V7.2 (11)	4	6.87	9:40	410	X	*See Repairs List*
46	Gym SW Exit to Hall	HXSW 36	PA-6V7.2 (12)	2	6.91	9:40	478		
47	Gym SE Exit to Hall	RG 36 REI	PA-6V4.5 (15)	2	6.71	9:40	124		
48	Gym - Main Hall - Awards	SPEX-36	(2) PA-6V4.5 (13)	4	13.69	9:40	233		
49	Hall @ Main SE Gym Doors	SPEX-36	(2) PA-6V4.5 (12)	2	13.67	9:40	251		
50	Hall @ Greenhouse	SPEX-36	(2) PA-6V4.5 (12)	2	13.91	9:40	246		
51	Hall @ Greenhouse Merici	SPEX-36	(2) PA-6V4.5 (08)	2	-	9:40	200	X	*See Repairs List*
52	Hall @ Exit # 9	SPEX-S10720	(2) PA-6V4.5 (11)	4	13.65	9:40	255		
53	Hall to Wheelchair Elev. By Exit 9	SPEX-36	(2) PA-6V4.5 (10)	2	-	9:40	200	X	*See Repairs List*
54	Room Between 609/608 (# 19)	12 PCH 350	PA-12V33 (13)	12	13.59	9:40	1873		
55	Behind TV & Photocopier	RH x3	-					X	*See Repairs List*
56	Hall By 601	SPEX-36	(2) BB 6V4.5 (13)	8	13.97	9:40	100	X	*See Repairs List*
57	Wheelchair Access Hall	SPEX-36	(2) PA-6V4.5 (13)	4	13.67	9:40	215		

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CAN/ULC
EMERGENCY LIGHTING
INDIVIDUAL DEVICE RECORD

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#	LOCATION	MODEL #	BATTERY	RH#	A	B	C	D	REMARKS
58	Exit By 603	SPEX-36	(2) PA-6V4.5 (16)	2	13.84	9:40	250		
59	Hall @ 503	SPEX-36	(2) BB 6V4.5 (15)	4	13.72	9:40	300		
60	Wheelchair Left Hall	SPEX-36	(2) PA-6V4.5 (12)	2	13.91	9:40	261		
61	Exit By 501	SPEX-36	(2) PA 6V4.5 (09)	4	13.87	9:40	112	X	*See Repairs List*
62	Stairwell to Hall (Ground Level)	SPEX-36	(2) PA-6V4.5 (08)	2	13.62	9:40	200	X	*See Repairs List*
63	Hall By 400 Mechanical Room	SPEX-36	(2) PA-6V4.5 (13)	4	13.87	9:40	251		
64	Electrical Room	RGC442MT9W	(2) PA-6V7.2 (13)	2	14.01	9:40	264		
65	Wheelchair Access Hall	SPEX-36	(2) PA 6V4.5 (15)	2	13.91	9:40	268		
66	Exit By 403	SPEX-36	(2) PA-6V4.5 (15)	4	13.81	9:40	261		
67	Stairs to Staffroom	SPEX-36	(2) PA-6V4.5 (11)	2	13.61	9:40	250		
68	Exit 8 By Staffroom	SPEX-36	(2) PA-6V4.5 (11)	2	13.62	9:40	265		
69	Staffroom Exit	SPEX-36	(2) PA-6V4.5 (08)	2	13.89	9:40	150	X	*See Repairs List*
70	Bottom of Stair By 310	SPEX-36	(2) PA 6V4.5 (15)	2	13.62	9:40	174		
71	Xavier @ Door to Merici	SPEX-36	(2) BB 6V4.5 (13)	2	13.81	9:40	246		
72	Exit 11 (Near Cafeteria)	SPEX-36	(2) PA 6V4.5 (08)	4	13.69	9:40	257	X	*See Repairs List*
73	Exit from Wheelchair Lift	Standpro	(2) PA-6V4.5 (09)	2	13.82	9:40	267	X	*See Repairs List*
74	Hall By Cafeteria Kitchen	SPEX-36	(2) PA 6V4.5 (09)	2	13.61	9:40	320	X	*See Repairs List*
75	Cafeteria Entrance	SPEX-36	(2) PA 6V4.5 (09)	2	13.87	9:40	238	X	*See Repairs List*
76	Cafeteria Southwest	SPEX-36	(2) PA-6V4.5 (13)	4	13.69	9:40	273		
77	Northwest Exit from Cafeteria	SPEX-36	(2) PA-6V4.5 (11)	2	13.81	9:40	236		
78	Lower Change Room Exit (Girls)	SPEX-36	(2) PA-6V4.5 (08)	Could Not Test Due To Wet Wax					No Access
79	Lower Change Room Far Exit	SPEX-36	(2) BB 6V4.5 (05)						No Access
80	Exit # 18 (Stairwell)	SPEX-36	(2) PA-6V4.5 (11)	2	13.61	9:40	218		
81	Outside Boiler Room- Front	SPEX-36	(2) PA-6V4.5 (15)	2	13.71	9:40	100		
82	Outside Boiler Room- Front	SLC12160	(2) 6V12 (14)	6	13.63	9:40	1377		
83	Outside Boiler Room- Rear	8 LMC	CSB 6V4.5 (12)	2	13.61	9:40	576		
84	By 601	RH x2	-					X	*See Repairs List*
85	By Café Exit	RHx2	-					X	*See Repairs List*

RH #- Remote Head Count
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NOTE: Breakers for Units 50-62 in 400 Electrical Room

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EMERGENCY LIGHTING
INDIVIDUAL DEVICE RECORD

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#	LOCATION	MODEL #	BATTERY	RH#	A	B	C	D	REMARKS
86	Cafeteria Council # 10 Room	12 MSL Insert	PA-1233 (15)	10	13.89	9:40	1150		
87	Hall By Exit 15	SPEX 36	(2) BB 6V4.5 (09)	2	14.02	9:40	286	X	*See Repairs List*
88	Hall By Sink Room	SPEX 36	(2) PA-6V4.5 (13)	2	13.92	9:40	257		
89	Stair By Exit #15	Standpro	(2) BB 6V4.5 (14)	2	13.94	9:40	297		
90	2nd Floor W. Stair to 310 Dance	SPEX 36	(2) PA-6V4.5 (14)	-	13.97	9:40			
91	310- Dance Entrance	SPEX 36	(2) PA-6V4.5 (14)	2	13.96	9:40		X	*See Repairs List*
92	Dance Rear Entrance	SPEX 36	(2) PA-6V4.5 (14)	2	14.04	9:40	366		
93	Dane 310- Exit To Stair	SPEX 36	(2) PA-6V4.5 (13)	5	14.01	9:40	102		
	Xavier Wing								
94	Exit @ 301	Magnavolt	(2) PA-6V4.5 (15)	2	14.02	10:14	267		
95	Wheelchair Elevator Hall	SPEX 36	(2) PA-6V4.5 (08)	2	13.98	10:16	361	X	*See Repairs List*
96	Hall By 305	SPEX 36	(2) BB 6V4.5 (09)	2	14.10	10:18	271	X	*See Repairs List*
97	Exit By 304	Magnavolt	(2) SLA 6V4.5 (15)	2	13.89	10:20	280		
98	Stair Exit to Student Serv.	Standpro	(2) BB 6V4.5 (13)	2	13.86	10:22	289		
99	Student Service Entrance	SPEX 36	(2) PA-6V4.5 (12)	2	14.06	10:24	291		
100	Student Serv. Entrance-Rear Hall	SPEX 36	(2) PA-6V4.5 (11)	2	14.07	10:26	259		
101	Student Service Back Hall Exit	Standpro	(2) PA-6V4.5 (11)	2	13.98	10:28	300		
102	Stud. Serv. Back Hall Rear Exit #12	SPEX 36	(2) PA 6V4.5 (12)	2	14.01	10:30	298		
103	Exit By 204	SPEX 36	(2) PA 6V4.5 (12)	2	13.96	10:32	260		
104	Hall By 205	SPEX 36	(2) PA-6V4.5 (13)	2	13.89	10:34	269		
105	Centre Hall Mechanical Room	12 ESL 144	(2) PA-6V12 (12)	2	13.81	10:36	296		
106	Hall to Wheelchair Elevator	SPEX 36	(2) PA 6V4.5 (12)	2	13.80	10:38	280		
107	Exit By 201	SPEX 36	(2) BB 6V4.5 (09)	2	14.06	10:40	260	X	*See Repairs List*
108	Exit By 101	SPEX 36	(2) BB 6V4.5 (13)	2	14.13	10:42	290		
109	Exit from Wheelchair Ramp	SPEX 36	(2) PA 6V4.5 (09)	2	13.82	10:44	280	X	*See Repairs List*

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CAN/ULC
EMERGENCY LIGHTING

INDIVIDUAL DEVICE RECORD

Date: July 20th & 21st, 2016

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#	LOCATION	MODEL #	BATTERY	RH#	A	B	C	D	REMARKS
110	Bsmt. Centre Hall-Mech. Room #5	12 ESL 144	(2) PA-6V12 (09)	-	-	-	-	-	No Access
111	103 Washroom #8 Student	RG 36	PA-6V7.2 (12)	2	6.90	10:48	269		
112	103 Washroom Staff	RG 36	PA-6V7.2	2	6.78	10:50	260		
113	Hall @ 105	SPEX 36	(2) PA 6V4.5 (09)	2	14.08	10:52	295	X	*See Repairs List*
114	Exit # 14 (# 6)	RG 36	PA-6V7.2 (11)	2	13.99	10:54	257		
115	Exit By 104	SPEX 36	(2) PA-6V4.5 (09)	2	13.94	10:56	287		

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CANADIAN FIRE ALARM ASSOCIATION CFAA

EMERGENCY LIGHTING
REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
1	Back Hall off 919	C12-72	Replaced Batteries w/ (2) Panasonic PA-6V4.5	08/24/2016
2	Mechanical Rm East (# 31)	12 MSL 360	Replaced Battery w/ (1) EnerSys NP33-12	08/24/2016
3	Mechanical Rm Rear (# 32)	12 MSL 360	Replaced Lamp w/ (1) HR-915 12V Wedge Lamp	08/24/2016
4	Men's W/C (Aud. Hall)	C12-72	Replaced (2) PA-6V4.5, (1) 12V9W Remote Head	08/24/2016
5	Hall By Gym	SPEX-36	Replaced (1) 202T 12V PC Board	08/24/2016
6	Phys-ed Office (Gym) (# 25)	12 MSL 360	Replaced (2) 12V9W Remote Heads, (1) T6 Lamp	08/24/2016
7	Fitness Mechanical Room (# 21)	12 PCH 350	Replaced Battery w/ (1) EnerSys NP33-12	08/24/2016
8	Fitness Mechanical Room (# 20)	RG 36	Replaced Battery w/ (1) Panasonic PA-6V12	08/24/2016
9	Gym SW Exit	RG 36 REI	Replaced Battery w/ (1) PA-6V7.2 & (1) T6-Lamp	08/24/2016
10	Gym SW Exit By Stage	HXSW 36	Replaced w/ (1) 6V9W Double Remote Head	08/24/2016
11	Hall @ Greenhouse Merici	SPEX-36	Replaced Batteries w/ (2) Panasonic PA-6V4.5	08/24/2016
12	Hall to Wheelchair Elev. By Exit 9	SPEX-36	Replaced Batteries w/ (2) Panasonic PA-6V4.5	08/24/2016
13	Behind TV & Photocopier	RH (x3)	Replaced Lamps w/ (3) HR-915 12V Wedge Lamp	08/24/2016
14	Hall By 601	SPEX-36	Replaced (1) Stanpro 202T12V PC Board	08/24/2016
15	Exit By 501	SPEX-36	Replaced PA-6V4.5 & (1) 202T 12V PC Board	08/24/2016
16	Stairwell to Hall (Ground Level)	SPEX-36	Replaced Batteries w/ (2) Panasonic PA-6V4.5	08/24/2016
17	Staffroom Exit	SPEX-36	Replaced Batteries w/ (2) Panasonic PA-6V4.5	08/24/2016
18	Exit 11 (Near Cafeteria)	SPEX-36	Replaced Batteries w/ (2) Panasonic PA-6V4.5	08/24/2016
19	Exit from Wheelchair Lift	Standpro	Replaced Batteries w/ (2) Panasonic PA-6V4.5	08/24/2016
20	Hall By Cafeteria Kitchen	SPEX-36	Replaced Batteries w/ (2) Panasonic PA-6V4.5	08/24/2016
21	Cafeteria Entrance	SPEX-36	Replaced Batteries w/ (2) Panasonic PA-6V4.5	08/24/2016
22	By 601	RH (x2)	Re-wired remote heads & installed (2) 12V Double Remote Heads	08/24/2016
23	By Café Exit # 15	RH (x2)		08/24/2016
24	Hall By Exit 15	SPEX 36	Replaced Board w/ (1) Stanpro 202T	08/24/2016
25	310- Dance Entrance	SPEX 36	Replaced w/ (2) PA-6V4.5, (1) 202T 12V PC Bd.	08/24/2016
26	Wheelchair Elevator Hall	SPEX 36	Replaced Batteries w/ (2) Panasonic PA-6V4.5	09/01/2016
27	Hall By 305	SPEX 36	Replaced Batteries w/ (2) Panasonic PA-6V4.5	08/30/2016
28	Exit By 201	SPEX 36	Replaced Batteries w/ (2) Panasonic PA-6V4.5	08/30/2016
29	Exit from Wheelchair Ramp	SPEX 36	Replaced Batteries w/ (2) Panasonic PA-6V4.5	08/30/2016
30	Hall @ 105	SPEX 36	Replaced Batteries w/ (2) Panasonic PA-6V4.5	08/30/2016

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
Phone: (519) 657-2063
Fax: (519) 657-2696

FIRE ALARM & SPRINKLER SYSTEM/HYDRANT REPAIRS LIST

#	LOCATION	DEVICE	REPAIR	REPAIRS COMPLETED
	Fire Alarm Devices			
1	Fire Alarm Booster	Booster 1	Replaced Batteries w/ (2) EnerSys NP12-12	08/24/2016
2	Fire Alarm Booster	Booster 2	Replaced Batteries w/ (2) EnerSys NP12-12	08/24/2016
3	By 814	H	Replaced Device w/ (1) GIR-HD Genesis Horn	08/24/2016
4	Gym SE	H	Replaced Device w/ (1) GIR-HD Genesis Horn	08/24/2016
5	Hall By Men's W/C	H	Replaced Device w/ (1) GIR-HD Genesis Horn	08/24/2016
	Sprinkler System & (2) Fire Hydrants			
	All Repairs Completed. See Sprinkler Report			08/24/2016

Additional Comments:

ANDERSON'S ELECTRONICS Inc.

2018 Mallard Road, Unit #1
London, Ontario N6H 5L8
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DEVICE LEGEND

DEVICE	DESCRIPTION
ANN	Annunciator
AD	Ancillary Device (Note 4)
B	Bell
BZ	Buzzer
C	Chime
CR	Control Relay
CT1	Single Input Module (for supervised Class B signal or audio circuits)
CT2	Double Input Module (for supervised Class B signal or audio circuits)
DH	Door Hold Open Device
DS	Duct Smoke Detector
ET	Emergency Telephone
FACP	Fire Alarm Control Panel
FH	Firefighters Handset
FS	Sprinkler Flow Switch
GA	2nd Stage of 2-Stage Pull Station
H	Horn
H/S	Horn Strobe
HSP	Horn Loudspeaker
HT	Heat Detector, Fixed Temperature
HT-RES	Resetable Heat Detector
K	Horn, Klaxon Type
M	Manual Pull Station
MAG LOCK	Magnetic Door Lock
PS	Pressure Switch
RHT	Heat Detector, Rate-of-Rise
S	Smoke Detector
SA	Smoke Alarm, Single Station Type (Note 3)
SP	Loudspeaker
SS	Sprinkler Supervisory Switch
SV	Sprinkler Valve
TS	Sprinkler Tamper Switch (Note 2)
V	Visual Alarm Appliance

Note 1: Confirmation of wiring supervision to each individual device is only required during installation verification or a complete building audit of the system and is not required on the annual test.
Note 2: Sprinkler tamper switches cause trouble condition to be annunciated but not an alarm condition.
Note 3: Single station smoke alarms are not part of the fire alarm system but testing of such devices may be required by the authority having jurisdiction.
Note 4: Identify the specific ancillary devices in the Remark column of Fire Alarm System Device Test and Inspection Record form

C&H FIRE SUPPRESSION SYSTEMS INC.

183 Exeter Road, Unit A
London, Ontario
PHONE (519) 652-5086
FAX (519) 652-8719

Sprinkler Inspection Report

Report To:	**Andersons Electronics**	Location:	**Ursuline College**
Building Occupancy Type:	**High School**	Hazard:	**Light**
Address:	**85 Grand Avenue West**	Inspector:	**T.Neves**
City/Province:	**Chatham**	Date:	**July 22, 2016**
		Date:	**Aug. 24, 2016**

Where used in this report, N/A means not applicable
Deficiencies involving the issuance of a Certificate Of Compliance will be answered with a "NO" and addressed in section #16

1. GENERAL:

a) Is the building occupied according to information furnished by the owner?	YES
b) Is the occupancy the same as the previous inspection according to information supplied by owner?	YES
c) Are all systems in service?	YES
d) Are all systems the same as the last inspection according to information from the owner?	YES
e) Is building completely sprinklered?	NO
f) Are all new additions and renovations properly protected?	YES
g) Is all storage and stock below sprinkler piping?	YES
h) Has the building been free of fires since the last inspection?	YES
i) Where there are wet systems, is the building properly heated to prevent the pipes from freezing?	YES

2. CONTROL VALVES:

a) Are all main control valves open?	YES
b) Are all valves in good condition?	YES
c) Are all valves sealed or supervised?	SUPERVISED

3. WATER SUPPLIES:

a) Was a flow test done using a 2" drain?	YES
b) The static pressure was?	
1) System 1 (2nd Floor East)	65 psi
2) System 2 (1st Floor Arts)	65 psi
3) System 3 (2nd Flooor Arts)	65 psi
4) System 4 (Merici Hall)	65 psi
5) System 5 (Xavier)	65 psi
c) The residual pressure was?	
1) System 1 (2nd Floor East)	51 psi
2) System 2 (1st Floor Arts)	51 psi
3) System 3 (2nd Floor Arts)	51 psi
4) System 4 (Merici Hall)	51 psi
5) System 5 (Xavier)	51 psi
d) Type of water supply?	6" City Underground

4. TANKS, PUMPS & SIAMESE:

a) Are fire pumps, reservoirs and pressure tanks in good condition?		YES
b) Pump rating:		
	psi boost	50
	usgpm	100
c) Did fire pump start automatically on a pressure drop?		YES
d) Jockey pump cut in pressure:		58
e) Jockey pump cut out pressure:		115
f) Fire pump cut in pressure:		N/A
g) Is fire pump properly sized for present application?		N/A
h) Is diesel fuel tank full?		N/A
i) Were the air compressor tanks drained?		N/A
j) Is the diesel engine oil level satisfactory?		N/A
k) Is the battery fluid level satisfactory?		N/A
l) Is the alternator belt in good condition?		N/A
m) Do the pump drain bowls drain properly?		N/A
n) Is there a proper bypass and are the valves open?		YES
o) Are siamese connections in good condition, couplings free, caps in place and ball drips open?		YES
	(Brass)	

PUMP INFORMATION

a) Pump Manufacturer:	S. A. Armstrong
b) Model:	2x2x6 4380
c) Serial #:	108516
d) Pump Capacity USGPM:	100
e) Feet of Head Rating:	115
f) Voltage:	575
g) Phases:	3
h) Motor Speed RPM:	3500 rpm
i) Horse Power:	7.5
j) Controller Manufacturer:	Armstrong
k) Model:	ENY
l) Serial #:	ES-10315
m) Type of Pump:	Electric

5. FIRE HYDRANTS:

a) Was the hydrant valve found?			YES
b) Was the hydrant valve open?			YES
c) Did the fire hydrant open & operate properly?			YES
d) Was the bonnet “O ” ring lubricated?			YES
e) Were the outlet caps in place and tight?			YES
f) Was water flowed from the hydrant?			YES
g) Did the water drain from the barrel properly?			YES
h) Was a flow test done?			YES
Hydrant #1 -Middle of Parking Lot			
i) The static pressure was?			**62**
k) The pitot reading from an engineered playpipe was	**40**	Using an outlet size of	2.5
l) The USGPM results are?			**1061**
Hydrant #2 -In front of School			
i) The static pressure was?			**62**
k) The pitot reading from an engineered playpipe was	**30**	Using an outlet size of	2.5
l) The USGPM results are?			**919**

6. WET SYSTEMS:

# of wet systems:	**FIVE**	Make & Model:	**2- VIC 4"** **2- CSC 4"** **1 - TYCO 4"**

a) Are alarm valves in good condition?				YES
b) Are flow switches working and in good condition?				YES
c) Are tamper switches working and in good condition?				YES
d) Is the excess pressure pump functional?				YES
e) Is the valve trimmed properly?				YES
f) The operation of the excess pressure pump is?				MANUAL
g)The excess pressure pump automatically starts at?				N/A
Air pressure at trip time	n/a	n/a		
Trip point air pressure	n/a	n/a		
Trip time to open clapper	n/a	n/a		
a) Has anti-freeze solution been checked?				
b) Is system in service?				
c) What temperature is the anti-freeze solution rated for?				
N/A				
a) Were deluge and/or pre-action valves tested as required?				
b) Were all H.A.D.s tested?				
c) Were supervisory systems tested satisfactorily?				

10. STANDPIPE SYSTEMS:

a) Is building equipped with a standpipe system?				YES
b) Is standpipe wet or dry?				WET
c) Are the standpipe hoses connected to the sprinkler system or on a separate system?				SPRINKLER
d) Are all nozzles, hoses, glass, valves and stops in place?				NO (by others)
e) Have the hoses been re-racked at time of inspection?				NO (by others)
f) Were the hoses hydrostatically tested?				NO (by others)
g) Was a flow test performed on the standpipe system ?				Yes
h) The static pressure was?				125psi
i) The residual pressure was?				107psi
j) The pitot reading from an engineered playpipe was	26		Using an outlet size of	1-1/2"
k) The USGPM results are?				308

11. ALARMS:

a) Did the water motor gong test satisfactorily?	YES
b) Did the electric alarm test satisfactorily?	YES
c) Did the supervisory alarms test satisfactorily?	YES
d) The low pressure switch sends a low pressure warning at?	
1) System 1	101 psi
2) System 2	102 psi
3) System 3	105 psi
4) System 4	101 psi
5) System 5	105 psi

12. SPRINKLERS & PIPING:

a) Are all sprinklers in good condition, free from obstruction, corrosion and loading?		YES
b) Are the sprinklers less than 50 years old?	(2002)	YES
c) Are there spare sprinklers and a wrench in the head cabinet?		YES
d) Is the condition of the piping, drain valves, hangers and gauges in good condition?		YES
e) Have the sprinklers been checked for the proper temperature rating?		YES

13. CONTROL VALVES & DEVICE LIST:

Zone or Location	Device	Supplies	Condition
Valve Room	4" Butterfly Valve	Main Central Valve	Operational
Valve Room	4" Vic Butterfly	Intake Fire Pump Standpipe	Operational
Valve Room	4" Vic Butterfly	Discharge Fire Pump Standpipe	Operational
Valve Room	4" OS&Y Valve	Intake Backflow	Operational
Valve Room	4" OS&Y Valve	Discharge Backflow	Operational
Valve Room	4" Amos Backflow (4-DCA)	Standpipe	Operational
Valve Room	Social NO > Q926f11 ?	Standpipe	Operational
Valve Room	4" Butterfly (Fivalzo Inc) ?	Ground Floor East	Operational
Valve Room	PS10 - 1A (Flow Switch)	Ground Floor East Flow	Operational
Valve Room	PS120 - 1A (Pressure Switch)	Ground Floor East Low Pressure	Operational
Valve Room	4" Alarm Valve Tyco	Ground Floor East	Operational
Valve Room	4" Vic Butterfly	1st Floor Arts	Operational
Valve Room	PS10-1A (Flow Switch)	1st Floor Arts Low Flow	Operational
Valve Room	PS120-1A (Pressure Switch)	1st Floor Arts Low Pressure	Operational
Valve Room	4" Vic Alarm Valve	1st Floor Arts	Operational
Valve Room	PS10-1A (Flow Switch)	2nd Floor Arts Flow	Operational
Valve Room	PS120-1A (Pressure Switch)	2nd Floor Arts Low Pressure	Operational
Valve Room	4" Vic Alarm Valve	2nd Floor Arts	Operational
Valve Room	Ps120 - 1A (Pressure Switch)	Ground Floor East Low Pressure	Operational
Mechanical Room (Fitness)	4" Butterfly Valve	Merici Hall Main Control	Operational
Mechanical Room (Fitness)	4" Alarm Valve (CSC)	Merici Hall	Operational
Mechanical Room (Fitness)	PS10-1A (Flow Switch)	Merici Hall Flow	Operational
Mechanical Room (Fitness)	PS120-1A (Pressure Switch)	Merici Hall Low Pressure	Operational
Mechanical Room (Fitness)	4" Butterfly Valve	Xavier Hall Main Control	Operational
Mechanical Room (Fitness)	4" Main Valve (CSC)	Xavier Hall	Operational
Mechanical Room (Fitness)	PSS-120 (Pressure Switch)	Xavier Hall Low Pressure	Operational
Mechanical Room (Fitness)	WFS-5 (Flow Switch)	Xavier Hall Flow	Operational
Mechanical Room (Fitness)	VSR-F Paddle Flow 4"	Xavier Hall 1st Floor Flow	Operational
Mechanical Room (Fitness)	4" Butterfly Valve	Xavier Hall Zone Control 1st Floor	Operational
Mechanical Room (Fitness)	VSR-F Paddle Flow 2"	Greenhouse Flow	Operational
Mechanical Room (Fitness)	2" Butterfly Valve	Greenhouse Zone Control	Operational
Mechanical Room (Fitness)	3" Butterfly Valve	Merici Hall Zone Control 1st Floor	Operational
Mechanical Room (Fitness)	3" VSR-F Paddle Flow 3"	Merici Hall 1st Floor	Operational
Mechanical Room (Fitness)	3" Butterfly Valve	Merici Hall 2nd Floor Zone Control	Operational
Mechanical Room (Fitness)	3" VSR-F Paddle Flow	Merici Hall 2nd Floor	Operational
2nd Floor Mechanical Room	4" Butterfly Valve	Xavier Hall Ground Floor Zone Control	Operational
2nd Floor Mechanical Room	4" VSR-F Paddle Flow	Xavier Hall Ground Floor Flow	Operational
Grd Flr Mechanical Room	3" Butterfly Valve	Cafe Zone Control	Operational
Grd Flr Mechanical Room	3" VSR-F Paddle Flow	Cafe Flow	Operational
Basement Mechanical Room	4" Butterfly Valve	Xavier Zone Control	Operational
Basement Mechanical Room	4" VSR-F Paddle Flow	Xavier Flow	Operational
Gdn Flr Mech. Rm.	4" Butterfly Valve	Xavier Flow	Operational
Gdn Flr Mech. Rm.	4" VSR-F Paddle Flow	Xavier Flow	Operational

14. Listed are recent changes in the building occupancy or fire protection equipment.

NONE

15. The following are corrections made at the time of inspection.

NONE

16. DEFICIENT ITEMS:

~~***Low pressure switch failed. **Requires replacement.**~~ **Replaced Aug. 24, 2016**

The above items are deficient as per The Ontario Fire Code and need to be corrected immediately.
A certificate of inspection cannot be issued until all items under section #16 have been addressed.
Consultation with the local fire prevention office is suggested, if discrepancies occur

17. The following items are recommendations only.

NONE

• LIMITATION OF LIABILITY: It is understood and agreed that the INSPECTOR is NOT an insurer and is NOT warranting or guaranteeing the adequacy, performance or life expectancy of any structure, item, component or system in the building. Further, it is mutually agreed that the maximum amount of joint and several liability the INSPECTOR can incur for any error, mistakes, omissions, breach of contract, breach of warrantee, negligent hiring, or any other theory of liability including violation of a statute or consumer protection act is strictly limited to the FEE PAID for the inspection report.

NOTE: This inspection/test was performed in accordance with The Ontario Fire Code. This inspection does **NOT** certify that the sprinkler system installation complies with NFPA, OBC or Ontario Retrofit Reg. #627/92 (an engineer's report would be required to certify this).

As per the requirements of The Ontario Fire Codes, the inspecting company must submit this report to the local Fire Prevention office

ANDERSON'S ELECTRONICS Inc.

ANNUAL FIRE ALARM SYSTEM TESTING CERTIFICATE

DATE OF INSPECTION: July 21st, 2016

PROPERTY OWNED/MANAGED BY: ST. CLAIR CATHOLIC DISTRICT SCHOOL BOARD

THIS DOCUMENT CERTIFIES THAT THE FIRE ALARM SYSTEM AT THE FOLLOWING LOCATION;

URSULINE COLLEGE- 85 GRAND AVENUE WEST, CHATHAM

HAS BEEN TESTED & INSPECTED IN ACCORDANCE WITH THE STANDARD FOR THE INSPECTION AND TESTING OF FIRE ALARM SYSTEMS, CAN/ULC-S536-04. THE SPRINKLER SYSTEM & FIRE HYDRANT HAVE ALSO BEEN INSPECTED AT THIS LOCATION.

A TEST OF ALL EMERGENCY LIGHTING EQUIPMENT WAS ALSO COMPLETED IN ACCORDANCE WITH CANADIAN ULC CODES AND DESIGN CRITERIA DESIGNATED BY MANUFACTURER'S SPECIFICATIONS.

TESTING TECH.:	Kevin Bury	CONFIRMED BY:	Jim Anderson
CFAA #:	19-995199		
FA. REP'S TECH:	Alban Berisha	DATED:	September 1st, 2016
CFAA #:	19-996582		