

PROVINCE OF BRITISH COLUMBIA  
Ministry of Justice  
Emergency Management BC / Office of the Fire Commissioner

FIRE REPORT - **STRUCTURE**INCIDENT NUMBER: **CVA 2017 07 20 18 15**

Location of Incident: **4573 W 1ST AVE W  
VANCOUVER BC**

# of Occupants (At time of fire): **0**      # of Injured: **0**      # of Deaths: **0**      Total Dollar Loss Estimate: **\$22**

Related to Wildland Interface Fire: **NO**      Property Value: **\$22**      Content Value: **\$22**      Total Value at Risk: **\$22**

**Code Name :      Code Description**

PROPERTY COMPLEX : 3400 RESIDENTIAL - SINGLE DETACHED  
PROPERTY CLASSIFICATION : 3110 YEAR-ROUND USE DWELLING - 1-FAMILY  
GENERAL CONSTRUCTION : 2000 PROTECTED COMBUSTIBLE CONSTRUCTION - WOOD PROTECTED BY PLAST  
BUILDING HEIGHT : 0040 4 STORIES ABOVE GRADE  
GROUND FLOOR AREA : 1000 1 TO 100M2 (1 - 1076FT2)  
YEAR OF CONSTRUCTION : 0020 1920 OR BEFORE  
MANUAL FIRE PROTECTION : 7000 NO MANUAL FIRE PROTECTION  
OUTSIDE FIRE PROTECTION : 1000 PUBLIC HYDRANT PROTECTION & FIRE DEPARTMENT  
SPRINKLER PROTECTION : 7000 NO SPRINKLER PROTECTION  
AUTOMATIC FIRE ALARM SYSTE : 2000 FIRE ALARM SYSTEM - LOCAL (BUILDING ONLY)  
SMOKE ALARM OPERATION : 5000 ALARM ACTIVATED - OCCUPANT ACTION UNKNOWN  
INITIAL DETECTION : 7000 VISUAL SIGHTING OR OTHER MEANS OF PERSONAL DETECTION (E.G. S  
TRANSMISSION OF ALARM : 1000 911  
FIRE SERVICE : 1000 CAREER FIRE DEPARTMENT ONLY  
INCIDENT : 1000 FIRE - FIRE DEPARTMENT ATTENDED  
ACTION TAKEN : 3000 EXTINGUISHED BY FIRE DEPARTMENT  
METHOD OF FIRE CONTROL : 4200 38MM OR 42MM (1 1/2" OR 1 3/4") HOSE - 1 HAND LINE  
FIRE ORIGIN, LEVEL : 6000 4TH TO 12TH STOREY (INCLUSIVE) OR OVER 9M TO 36M (30FT TO 12  
FIRE ORIGIN, AREA : 2600 OFFICE  
EXTENT OF FIRE : 3000 CONFINED TO ROOM OF ORIGIN  
EXTENT OF DAMAGE : 3000 CONFINED TO ROOM OF ORIGIN  
IGNITING OBJECT : 5800 BATTERY, RECTIFIER - INCLUDES CHARGER, ROTARY CONVERTER  
FUEL OR ENERGY : 6000 ELECTRICITY  
FORM OF HEAT : 6000 HOT OBJECT - DIRECT HEAT BY CONDUCTION OR RADIATION, NO DIRE  
MATERIAL FIRST IGNITED : 9900 MISCELLANEOUS - UNCLASSIFIED (DESCRIBE)  
ACT OR OMISSION : 4900 MECHANICAL/ELECTRICAL FAILURE/MALFUNCTION - UNCLASSIFIED (DE

Investigating Officer	LAFB Badge #	Telephone	ReportDate
ROBERTSON, DONALD	2465	604-665-6078	2017-08-24

PROVINCE OF BRITISH COLUMBIA  
Ministry of Justice  
Emergency Management BC / Office of the Fire Commissioner

FIRE REPORT - **STRUCTURE** (NARRATIVE)

INCIDENT NUMBER: **CVA 2017 07 20 18 15**

**Remarks:**

CAR 73 TO 4573 W 1ST AVE FOR STRUCTURE FIRE. FOUND B3, CHIEF ZACHARAK IN COMMAND. E19, CAPT. SEREDA, FIRST ON SCENE, E12, CAPT. BORTIGNON, FIRST IN FIRE ATTACK CREW. 4573 IS A RESIDENTIAL OCCUPANCY, 4 STORY SINGLE FAMILY HOME. BUILT IN 1914, TYPE5 CONSTRUCTION. FIRE PROTECTION INCLUDES SEVERAL SMOKE DETECTORS ON ALL LEVELS. OWNER IS s.22 AND s.22. BABYSITTER ONSITE AND REPORTED FIRE TO 911 IS s.22. E19 CREWS REPORTED FINDING BLACK SMOKE ON THE 4TH FLOOR. CAPT. BORTIGNON E12, ENTERED AS FIRE ATTACK AND FOUND SMOKE AND MINIMAL FLAME, EXTINGUISHED WITH 1 LINE USING MINIMAL WATER. CREWS REMOVED A SKYLIGHT FOR INCREASED VENTILATION, THE FIRE BROKE OUT THE LARGE WINDOW ON THE NORTH EAST CORNER OF THE OFFICE AT THE ORIGIN AREA. INVESTIGATION: I INTERVIEWED s.22 AND LEARNED THAT APPROXIMATELY, 2 HOURS PRIOR, HE BROUGHT IN A 36VOLT LITHIUM ION BATTERY PACK AND CONNECTED TO THE MANUFACTURERS CHARGER. THE CHARGER IS FOR AN ELECTRIC BIKE (MOUNTAIN BIKE STYLE) MADE BY 'MONTAGUE' THE PARATROOPER MODEL, WITH THE CRYSTALYTE DRIVE SYSTEM. THE LI ION BATTERY CHARGER IS MODEL LI-36040 MADE BY ELECTRIC RIDER (SALES@ELECTRICRIDER.COM) AROUND 6PM THE BABYSITTER, s.22, HEARD A SINGLE BANG, INVESTIGATED AND THOUGHT IT WAS THE POOL. SHE THEN HEARD A SECOND BANG, AGAIN FOUND NOTHING, AND THOUGHT IT WAS FROM THE NEIGHBORS, A THIRD LOUD BANG OCCURED, AND SHE AGAIN THOUGHT IT CAME FROM THE NEIGHBORS, BUT THEN FOUND SMOKE AND EXITED THE HOME AND CALLED 911. I FOUND SEVERAL CYLINDRICAL SHAPED OBJECTS, (SLIGHTLY LARGER THAN AN AA BATTERY SIZE) AT VARIOUS POINTS OF DISPOSITION IN THE AREA OF ORIGIN. THE MAJORITY WERE STILL COUPLED AS A UNIT AND AT THE POINT OF ORIGIN IDENTIFIED BY THE BURN DEPTH INTO THE FLOOR AND CHARRING ON THE NEARBY WINDOW FRAME. OTHER CYLINDERS HAD SEPARATED FROM THIS GROUPING; ONE WAS SEVERAL FEET FROM THE AREA OF ORIGIN AND HAD BURNED INTO THE FLOORING. OTHERS WERE INTACT, OR FULLY BLOWN OPEN, AND OTHERS WERE DISPLAYING HARDENED GLOBS OF CHEMICAL (LEAD?) SEEPING OUT THE ENDS OF THE CYLINDERS. INVESTIGATION CONCLUDES THIS TO BE AN ACCIDENTAL FIRE, CAUSED BY A MALFUNCTION OF THE BATTERY CHARGING UNIT, AND OR BY THE CONSTRUCTION AND MAKE UP OF THE 36VOLT ELECTRICAL BATTERY CELLS. FURTHER TESTING WOULD BE REQUIRED TO ASCERTAIN THE ACTION THAT CAUSED THE BATTERIES TO REACH EXTREME TEMPERATURES AND EXPLODE, CAUSING THE FIRE. FIRE DAMAGE IS CONSIDERABLE, SMOKE AND HEAT DAMAGE ALSO SEVERE TO THE UPPER OFFICE / GAMES ROOM SPACE.

Investigating Officer	LAFC Badge #	Telephone	ReportDate
ROBERTSON, DONALD	2465	604-665-6078	2017-08-24

PROVINCE OF BRITISH COLUMBIA  
Ministry of Justice  
Emergency Management BC / Office of the Fire Commissioner

FIRE REPORT - **STRUCTURE** (NAMES)INCIDENT NUMBER: **CVA 2017 07 20 18 15**

Name no. : 1  
Name : s.22  
Address : 0 4573 W 1ST AVE.

Name Status : OWNER  
Phone : s.22

Claims Adjuster Name :  
Claims Adjuster Firm :  
Claim Number :  
Insurance Company :  
Policy Number :

## LOSS ESTIMATES:

Property Loss : s.22

Content Loss : s.22

Total Loss : s.22

REMARKS:

Name no. : 2  
Name : s.22  
Address : 0

Name Status : WITNESS  
Phone : 000-000-0000

Claims Adjuster Name :  
Claims Adjuster Firm :  
Claim Number :  
Insurance Company :  
Policy Number :

## LOSS ESTIMATES:

Property Loss : s.22

Content Loss : s.22

Total Loss : s.22

REMARKS:

Investigating Officer : LAFC Badge #  
ROBERTSON, DONALD : 2465

Telephone :  
604-665-6078  
ReportDate :  
2017-08-24

