

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

## FIRE REPORT - STRUCTURE

INCIDENT NUMBER: CSY 2017 08 29 12 13

Location of Incident: **13301 72 AVE  
SURREY BC**

# of Occupants (At time of fire): **20**    # of Injured: **0**    # of Deaths: **0**    Total Dollar Loss Estimate: **\$0**

Related to Wildland Interface Fire: **NO**    Property Value: **\$0**    Content Value: **\$0**    Total Value at Risk: **\$0**

**Code Name :      Code Description**

PROPERTY COMPLEX : 6900 INDUSTRIAL MANUFACTURING  
PROPERTY CLASSIFICATION : 6240 FURNITURE, FIXTURE, BEDDING MANUFACTURE - INCLUDES THE MANUF  
GENERAL CONSTRUCTION : 4000 NON-COMBUSTIBLE CONSTRUCTION - EXPOSED STEEL  
BUILDING HEIGHT : 0020 2 STORIES ABOVE GRADE  
GROUND FLOOR AREA : 4000 1001 TO 2500M2 (10765 - 26910FT2)  
YEAR OF CONSTRUCTION : 1978 1978  
MANUAL FIRE PROTECTION : 4000 EXTINGUISHER ONLY  
OUTSIDE FIRE PROTECTION : 1000 PUBLIC HYDRANT PROTECTION & FIRE DEPARTMENT  
SPRINKLER PROTECTION : 7000 NO SPRINKLER PROTECTION  
AUTOMATIC FIRE ALARM SYSTE : 1000 NO FIRE ALARM SYSTEM  
SMOKE ALARM OPERATION : 9900 NO SMOKE ALARM INSTALLED  
INITIAL DETECTION : 7000 VISUAL SIGHTING OR OTHER MEANS OF PERSONAL DETECTION (E.G. S  
TRANSMISSION OF ALARM : 1000 911  
FIRE SERVICE : 3000 COMPOSITE - CAREER & VOLUNTEER/PAID-ON-CALL FIRE DEPARTMENT  
INCIDENT : 1000 FIRE - FIRE DEPARTMENT ATTENDED  
ACTION TAKEN : 3000 EXTINGUISHED BY FIRE DEPARTMENT  
METHOD OF FIRE CONTROL : 4700 COMBINATIONS OF 38/42MM (1 1/2"/1 3/4"), 65MM (2 1/2"), 7  
FIRE ORIGIN, LEVEL : 8000 ROOF LEVEL - INCLUDES CONCEALED ROOF SPACE, ATTIC  
FIRE ORIGIN, AREA : 7700 EXTERIOR ROOF  
EXTENT OF FIRE : 5000 CONFINED TO BUILDING OF ORIGIN  
EXTENT OF DAMAGE : 5000 CONFINED TO BUILDING OF ORIGIN  
IGNITING OBJECT : 7700 TORCH - OTHER THAN CUTTING, WELDING - INCLUDES PLUMBER'S FUR  
FUEL OR ENERGY : 4200 FUEL GAS - PROPANE  
FORM OF HEAT : 4000 DIRECT FLAME  
MATERIAL FIRST IGNITED : 2000 ROOF COVERING - OTHER THAN WOOD  
ACT OR OMISSION : 7700 IGNORANCE OF HAZARD (NOTE: IF ILLEGAL OPERATIONS, CLASSIFY A

Investigating Officer	LAFC Badge #	Telephone	ReportDate
WILSON, BEN	2549	604-543-6700	2017-09-12

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FIRE REPORT - **STRUCTURE** (NARRATIVE)

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**Remarks:**

THE FIRE INVESTIGATOR ATTENDED THE SCENE ON SEPTEMBER 7, 2017, AT 0845 HOURS. THE SCENE WAS SECURE WITH FENCING AND A 24HR SECURITY GUARD. THE INVESTIGATION WAS CONDUCTED JOINTLY WITH 5 PRIVATE FIRE INVESTIGATORS. THE INVESTIGATION WAS DELAYED COORDINATING A JOINT INVESTIGATION AND SECURING HEAVY EQUIPMENT TO EXCAVATE THE SCENE AND PROVIDE ROOF ACCESS. CAPTAIN BERUBE CONDUCTED A PRELIMINARY INVESTIGATION AT THE TIME OF THE INCIDENT. ACCORDING TO CAPTAIN BERUBE, HE WAS INFORMED BY OCCUPANTS/WITNESSES THAT TORCH ON ROOFING WAS TAKING PLACE. THE ROOFERS CAME INTO THE FURNITURE SHOP AND ASKED IF ANYONE COULD SMELL SMOKE. OCCUPANTS WENT ONTO THE MEZZANINE AND OBSERVED FIRE AT THE ROOF LEVEL SURROUNDING THE SPRAY BOOTH EXHAUST DUCT AND THE BUILDING WAS EVACUATED. ON SEPTEMBER 7, 2017, ON SCENE, THE INVESTIGATOR WAS ADVISED THAT INITIALLY A CALL WAS MADE TO 911 WHEN THE FIRE WAS FIRST OBSERVED; HOWEVER, SOMEONE HUNG UP THE PHONE PRIOR TO 911 RECEIPT OF THE CALL BECAUSE THEY COULD HANDLE THE SITUATION. VIDEO OBSERVED ON NEWS1130 AT [HTTP://WWW.NEWS1130.COM/2017/08/29/THREE-ALARM-FIRE-FURNITURE-WAREHOUSE-SURREY/](http://www.news1130.com/2017/08/29/three-alarm-fire-furniture-warehouse-surrey/) SHOWED THAT THE FIRE WAS WELL DEVELOPED, THE INTERIOR OF THE STRUCTURE WAS FULLY INVOLVED AND THE FIRE WAS VENTING THROUGH BUILDING OPENINGS AT THE TIME OF THE FIRST ENGINE ARRIVAL. ACCORDING TO THE CAD NOTES, THE 911 CALL WAS RECEIVED AT 12:57:08 AND THAT E10 TOOK APPROXIMATELY 3 MINUTES TO RESPOND AND ARRIVE ON SCENE. BASED ON THE CONDITIONS THAT E10 ARRIVED TO ON SCENE, IT IS PROBABLE THAT THE FIRE DEPARTMENT WAS NOTIFIED WELL INTO THE GROWTH STAGE OF THE FIRE AND WELL AFTER THE TIME OF INITIAL DETECTION. ON THE ROOF THE INVESTIGATOR OBSERVED ROOFING MATERIALS, 3 ROOFING TORCHES, A PROPANE SUPPLY LINE THAT SPLIT TO TWO OF THE TORCHES, MISCELLANEOUS TOOLS, AND TWO EMPTY FIRE EXTINGUISHERS. TWO STRIPS OF NEW ROOFING MEMBRANE WERE INSTALLED, ORIGINATING FROM THE EDGE OF THE ROOF AND TERMINATING AT THE EXHAUST DUCT/STACK FOR THE SPRAY BOOTH. IT APPEARED THAT SECOND STRIP ADJACENT TO THE EXHAUST DUCT/STACK WAS PARTIALLY INSTALLED AS APPROXIMATELY 2 FEET OF THE CORNER WASN'T ADHERED TO THE ROOF AND COULD BE ROLLED BACK. THE TWO PIECES OF THE EXTERIOR EXHAUST DUCT/STACK WERE LOCATED ON THE ROOF AND RECONSTRUCTED. THE DUCT/STACK WAS OXIDIZED AND BURNED CLEAN OF ANY DEPOSITING OF PAINT OVER SPRAY. THE ROOF WAS COMPRISED OF A METAL Q-DECK, A GRAVEL MEMBRANE, AND TWO TORCH-ON MEMBRANES. THE BURN PATTERN OBSERVED ON THE ROOF AREA SURROUNDING THE EXHAUST DUCT/STACK WAS DEEP SEATED INTO THE ROOFING MATERIAL A RADIATED OUT FROM THE EXHAUST DUCT AND WAS INCONSISTENT WITH OTHER PATTERNS OBSERVED AT OTHER SIMILAR AREAS ON THE ROOF. IT IS THE OPINION OF THE INVESTIGATOR THAT THIS PATTERN WAS CREATED BY A FIRE THAT ORIGINATED ABOVE THE ROOF DECK AND NOT FROM WITHIN THE BUILDING. OBSERVATIONS ON SCENE INDICATED THAT THE FIRE DID NOT LIKELY ORIGINATE FROM WITHIN THE BUILDING OR FROM WITHIN THE SPRAY BOOTH AS THE FIRE GROWTH AND BURN PATTERNS OBSERVED ARE UNUSUAL FOR A SPRAY BOOTH FIRE OR CONTENTS FIRES. FURTHERMORE, THE THEORY WOULD NOT BE CONSISTENT WITH INFORMATION PROVIDED BY WITNESSES. AT THIS TIME, UNLESS ADDITIONAL INFORMATION BECOMES AVAILABLE, THE CAUSE OF THE FIRE IS DUE TO OPEN FLAME AND HOT WORKS OPERATIONS OCCURRING ON THE ROOF. THE MATERIAL FIRST IGNITED WAS LIKELY THE ROOFING MATERIAL, ALTHOUGH IT IS NOTED THAT DEPOSITS OF PAINT OVERSPRAY COULD NOT BE RULED OUT.

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FIRE REPORT - **STRUCTURE** (NAMES)INCIDENT NUMBER: **CSY 2017 08 29 12 13**

Name no. : 1  
Name : U/K, U/K  
Address : 0 13303 72 AVE

Name Status : OCCUPANT  
Phone :

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

## LOSS ESTIMATES:

Property Loss : \$0

Content Loss : \$0

Total Loss : \$0

REMARKS:

Name no. : 2  
Name : s.22  
Address : 0 13305 72 AVE

Name Status : OCCUPANT  
Phone :

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

## LOSS ESTIMATES:

Property Loss : \$0

Content Loss : \$0

Total Loss : \$0

REMARKS:

Investigating Officer : LAFC Badge #  
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FIRE REPORT - **STRUCTURE** (NAMES)INCIDENT NUMBER: **CSY 2017 08 29 12 13**

Name no. : 3  
Name : U/K, U/K  
Address : 0 13309 72 AVE

Name Status : BUSINESS OCCUPANT  
Phone :

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

## LOSS ESTIMATES:

Property Loss : \$0

Content Loss : \$0

Total Loss : \$0

REMARKS:

Name no. : 4  
Name : **s.22**  
Address : 0 13299 72 AVE

Name Status : OWNER  
Phone :

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

## LOSS ESTIMATES:

Property Loss : \$0

Content Loss : \$0

Total Loss : \$0

REMARKS:

Investigating Officer : LAFC Badge #  
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