

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

FIRE REPORT - STRUCTURE

INCIDENT NUMBER: CCQ 2011 08 23 14 02

Location of Incident:

**99 BEGIN ST
COQUITLAM BC**# of Occupants (At time of fire): **50** # of Injured: **0** # of Deaths: **0** Total Dollar Loss Estimate: \$ **s.21**Related to Wildland Interface Fire: **NO** Property Value: \$ **s.21** Content Value: \$ **s.21** Total Value at Risk: \$ **s.21****Code Name : Code Description**

PROPERTY COMPLEX : 3200 RESIDENTIAL - APARTMENT
PROPERTY CLASSIFICATION : 3250 APARTMENT, TOWNHOUSE - OVER 20 UNITS WITH OR W/O BUSINESS
GENERAL CONSTRUCTION : 2000 PROTECTED COMBUSTIBLE CONSTRUCTION - WOOD PROTECTED BY PLAST
BUILDING HEIGHT : 0030 3 STORIES ABOVE GRADE
GROUND FLOOR AREA : 4000 1001 TO 2500M2 (10765 - 26910FT2)
YEAR OF CONSTRUCTION : 1989 1989
MANUAL FIRE PROTECTION : 4000 EXTINGUISHER ONLY
OUTSIDE FIRE PROTECTION : 5000 PRIVATE HYDRANT PROTECTION & FIRE DEPARTMENT
SPRINKLER PROTECTION : 6000 PARTIAL SPRINKLER PROTECTION - UNSUPERVISED, LOCAL ALARMS ON
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 : 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 : 4500 65MM/77MM (2 1/2"/3") HOSE -2 OR MORE HAND LINES
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 : 4990 APPLIANCES & EQUIPMENT - UNCLASSIFIED (DESCRIBE)
FUEL OR ENERGY : 4200 FUEL GAS - PROPANE
FORM OF HEAT : 0000 CANNOT BE DETERMINED
MATERIAL FIRST IGNITED : 1900 BUILDING COMPONENTS - UNCLASSIFIED (DESCRIBE)
ACT OR OMISSION : 2600 TORCH TOO CLOSE

Investigating Officer
EBERLE, BRYANLAFC Badge #
2368Telephone
604-927-6400ReportDate
2011-10-03

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FIRE REPORT - **STRUCTURE** (NARRATIVE)

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Remarks:

THIS FIRE OCCURRED AT A 75 UNIT THREE STOREY WOOD FRAMED BUILDING CONSTRUCTED OVER A CONCRETE PARKADE. THE ROOF STYLE WAS A COMBINATION OF A FLAT AND MANSARD ROOF WITH TILE EFFECT METAL SHEETING. THE BUILDING CONTAINED A FIRE ALARM SYSTEM, SPRINKLER SYSTEM IN THE PARKADE AND PRIVATE HYDRANTS LOCATED IN THE NORTH-WEST & SOUTH-EAST CORNER OF THE PROPERTY. THE BUILDING ENVELOPE WAS SURROUNDED BY TEMPORARY CONSTRUCTION SCAFFOLDING. THE BUILDING'S FLAT ROOF WAS BEING REDONE BY CONTRACTOR

s.22 THE FIRE WAS FIRST REPORTED BY s.22
s.22 THE 911 CALL WAS MADE BY CELL AT 14:07 HRS . UPON MY ARRIVAL HEAVY GREY SMOKE COULD BE SEEN COMING FROM THE ROOF ON THE ALPHA SIDE ABOVE THE FRONT ENTRANCE (ABOVE UNITS #307, 308 & 309). THE MANSARD ROOF ABOVE UNIT #308 HAD LARGELY BEEN CONSUMED BY FIRE AND THE REMAINING STRUCTURE WAS COLLAPSING IN TOWARDS THE MIDDLE OF THE BUILDING. FLAMES COULD ALSO BE SEEN THROUGH THE WINDOW OF UNIT 308. PHOTOS WERE TAKEN OF THE OUTSIDE OF THE BUILDING AS WELL AS CONDUCTING A VISUAL EXAMINATION OF THE EXTERIOR BY BOTH MYSELF AND INSPECTOR SAULNIER. I TALKED WITH s.22
s.22 CONFIRMED THAT THE FIRE STARTED AS A RESULT OF HIM USING A TORCH TO INSTALL A COPPER DRAIN ON THE SMALL ROOF ABOVE UNIT #308. HE NOTICED SMOKE NEAR WHERE HE HAD BEEN A FEW FEET AWAY. NO ONE ELSE WAS CONDUCTING HOT WORKS IN HIS IMMEDIATE AREA. s.22 BELIEVES A SPARK MAY HAVE IGNITED SOME BUILDING PAPER INSIDE THE MANSARD ROOF STRUCTURE. THE FIRE SPREAD UP AND UNDER THE TILE EFFECT METAL SHEETING COVERED MANSARD ROOF. EMERGENCY SOCIAL SERVICES WERE ACTIVATED. ONCE THE FIRE HAD BEEN STRUCK OUT FIRE CREWS BEGAN OVERHAUL, REMOVED PETS AND NECESSARY MEDICATION. FIRE CREW REMAINED ON SITE OVER NIGHT TO PERFORM FIRE WATCH. PROPERTY MANAGER, s.22 ARRANGED FOR THEIR RESTORATION COMPANY (SERVICE MASTER RESTORE) TO HAVE THE SCENE SECURED BY TEMPORARY FENCING INSTALLED THAT EVENING AS WELL AS TO HAVE PRIVATE SECURITY (GLOBAL PROTECH SECURITY SERVICES) ENSURE SCENE SECURITY. THE FOLLOWING MORNING I RETURNED TO THE FIRE SCENE WITH INSPECTOR SAULNIER TO CONDUCT AN INTERIOR EXAMINATION AND TO INVESTIGATE FURTHER FOR CAUSE DETERMINATION. FIRE CREWS AND SECURITY PERSONNEL REPORTED NO FURTHER PROBLEMS OVERNIGHT. THE EXAMINATION REVEALED EXTENSIVE DAMAGE TO THE ROOF AND MANSARD STRUCTURE ABOVE UNITS #307 & #308 WITH HEAVY ROOF DAMAGE ABOVE #309. ROOF JOISTS ABOVE UNIT #307 WERE COMPLETELY CONSUMED BY THE FIRE. EXTENSIVE FIRE DAMAGE TO THE INTERIOR OF UNITS #307 & 308. MINOR FIRE DAMAGE TO UNIT #309. THERE WAS FIRE DAMAGE TO THE CEILING SPACE ABOVE UNITS #320 & 321. THERE WAS NO FIRE DAMAGE TO THE UNITS ON THE SOUTH SIDE OF THE FIRE WALL BETWEEN UNITS #307 - #306 AND #321 - #322. THERE WAS ALSO NO FIRE DAMAGE ON THE NORTH SIDE OF THE FIRE WALL BETWEEN UNITS #309 - #310 AND #320 - #319. AN EXAMINATION OF THE FIRE PATTERNS WAS THEN CONDUCTED AND REVEALED THE FOLLOWING: 1) THE EXTENSIVE FIRE DAMAGE & PATTERNS ABOVE UNIT #307 & #308 WERE CONSISTENT WITH THE INFORMATION RECEIVED FROM ROOFING EMPLOYEE, s.22 WHO BELIEVES HE ACCIDENTALLY STARTED THE FIRE AND REPORTED TO HAVE FIRST NOTICED THE FIRE ABOVE THIS AREA. 2) THE DIRECTION OF FIRE TRAVEL WAS FROM THE FRONT OF THE BUILDING (WEST SIDE) TO THE REAR OF THE BUILDING (EAST SIDE) CONSISTENT WITH WHERE IT WAS REPORTED TO HAVE STARTED, IN FRONT OF UNIT #308 ON THE ROOF. THE CEILING SPACE, WHERE STILL INTACT BETWEEN THE FRONT OF THE BUILDING AND THE REAR, REVEALS DIMINISHING DEPTH OF CHARRING AND LESS FIRE DAMAGE THE FURTHER BACK FROM THE FRONT OF THE BUILDING. THE FIRE TRAVELLED INTO THE AFFECTED SUITES FROM ABOVE. NO FIRE SIGNS INDICATING ORIGINATION CAME FROM INSIDE THE SUITES. 3) ONCE FIRE HAD ESTABLISHED WITHIN THE MANSARD ROOF STRUCTURE ABOVE UNIT #308, IT WOULD HAVE BEEN DIFFICULT FOR ROOFING EMPLOYEES TO HAVE PUT OUT, AS THERE WERE NO ACCESS PANELS OR DOORS TO THAT SPACE. IT WAS A LARGE SPACE (@22.5' WIDE X 32' LONG AND 14.5' HIGH) THAT WOULD HAVE GENERATED AND CONTAINED A LOT OF HEAT. A COMBINATION OF RADIANT AND DIRECT FLAME WOULD HAVE CONTRIBUTED TO THE BURNING THROUGH OF THE ROOF DECKING, FORCING FLAMES & FIRE GASES INTO CONCEALED JOIST SPACES. ROOFING EMPLOYEE, s.22 RE-ATTEND FIRE SCENE AND WE SPOKE FURTHER. FIRE WATCH WAS CONDUCTED AT THE END OF THE DAY ONCE THE TORCHES WERE TURNED OFF AT 2:00PM. THEY DID NOT HAVE A FIRE RESISTANT BLANKET FOR SHIELDING. THEY DID HAVE A REED ST-8835 INFRARED & K-TYPE THERMOMETER FOR CHECKING SURFACE TEMPERATURES. IT WAS KEPT IN THE ?SAFETY BIN? ON THE MAIN ROOF AND HAD NOT BEEN USED THAT DAY. FIRE PATTERNS CORROBORATE WITNESS STATEMENTS THAT THE AREA OF ORIGIN WAS ON THE ROOF ABOVE UNIT #308. THE TORCH ON PROCESS IGNITED ADJACENT COMBUSTIBLE ROOF STRUCTURE MATERIALS. TORCH ON EQUIPMENT LEFT BEHIND ON THE SCAFFOLDING CONFIRM WITNESS STATEMENTS ON WHAT WAS THE IGNITING OBJECT. AT THE TIME THERE WERE NO OTHER HOT WORKS

Investigating Officer LAFC Badge #
EBERLE, BRYAN 2368

Telephone ReportDate
604-927-6400 2011-10-03

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FIRE REPORT - **STRUCTURE** (NAMES)

INCIDENT NUMBER: **CCQ 2011 08 23 14 02**

Name no. : 1
Name : STRATA PLAN NW3031, LE CHATEAU 1
Address : 0 99 BEGIN STREET
V3K6R5

Name Status : OWNER
Phone :

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

LOSS ESTIMATES:

Property Loss : **s.21**

Content Loss : \$ **s.21**

Total Loss : \$ **s.21**

REMARKS:

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