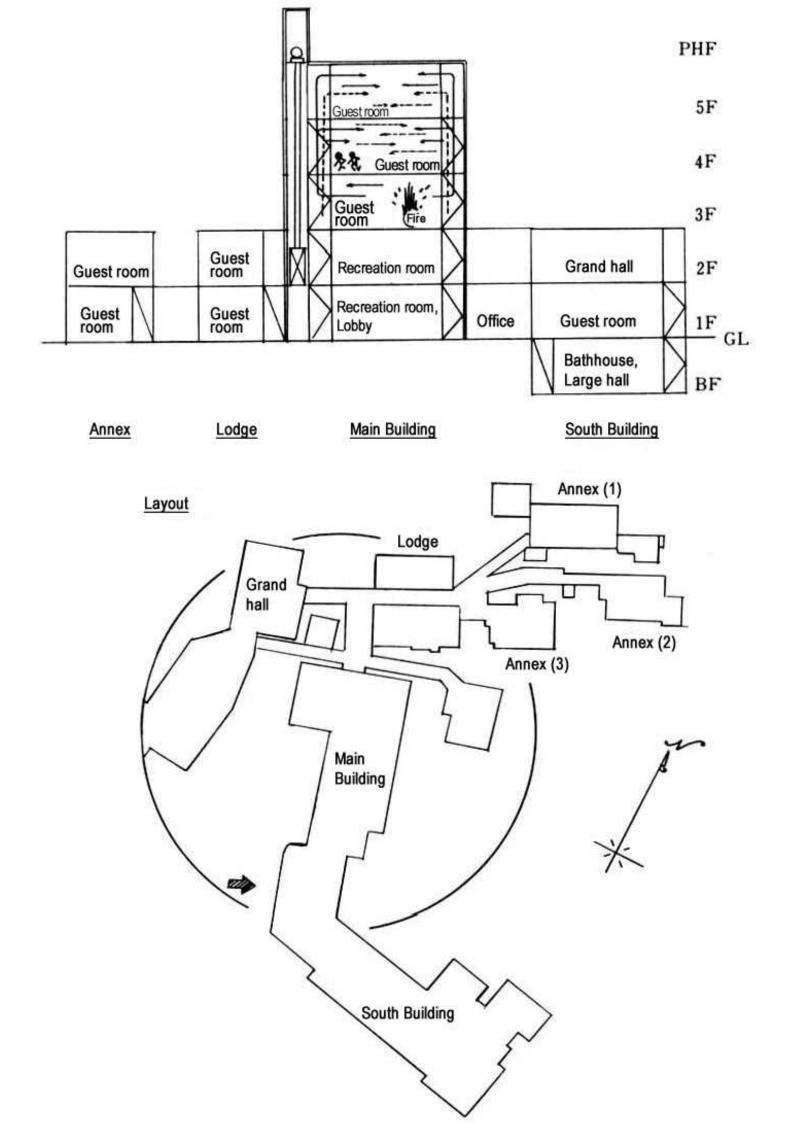
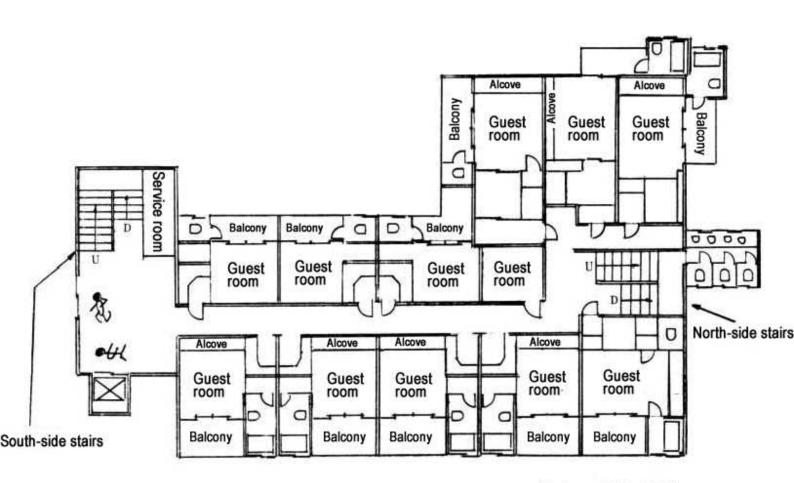
		A	ling Name ddress odaya yuan Inn	Use (as per FSA Annexed Table 1) Hotel (5) a	Jar Bre 00: De 00: No	tified by a ca		Structure Storie Area Fire resisti (main build 5 stories a ground and below Building ar	s ve ling) bove d 0	Exter Dama (Damage Total A All, <u>H</u> Partial, 880	age d Area/ vrea) a <b>lf</b> , Small	No. of Casualties Fatalities 2
-		741-1 Suzenji, Suzenji-machi, SHIZUOKA		:		to the police station Extinguished by 01:50		Total floor area 3,098 m <sup>2</sup>		. (28%)		Injured 2 ( )
I. 3	Summa	ry of Fire In	cident									
(1) Summary	In the middle of the night, a fatal fire started from the floor right below the guest rooms in the hot spring inn. Although the automatic fire detection system promptly alerted people of the fire, the fire resulted in 2 fatalities because the guests were sound asleep and the night security was poor.						the guests					
(2)	Floo r	Total area	Damaged area	Use (Purpos	se)	No. of persons		No. of fatalities		escape ipment		refighting quipment
(2) Conditions per Floor		m <sup>2</sup> Main Building	m <sup>2</sup>					Tatantes	2 sets of inside stairs (1st to 5th floors) 3 sets of rope		9 sets of fire extinguishers per floor 10 sets of inside	
or	5 4	3,098	880	Guest room		8		2	3 sets	•	floors	(2nd to 5th
	4 ③			Guest room Guest room		1		Ζ	(unkn	own)		natic fire
	2			Recreation	۱							tion system
	1			room, Large		1		<u>)</u>			Emerg	gency alarm
	1			Recreation room, Gues rooms		1		2				m (Portable phone)
	Total	3,098	880			16		2			Guidir	ng lights
(3) Origin of Fire	Room <u>The fu</u> Comb and ta	(Floor, Room, Part, Combustibles, Habitable/Non-habitable Rooms, Present/Absent) <u>The <i>futon</i> mattress storage area on the 3rd floor</u> Combustible interior materials (ceiling, boards, walls, plywood, and <i>tatami</i> mats). Large amount of <i>futon</i> mattresses inside the storage room (10 m <sup>2</sup> )					(4) Cause of Fire	Unknown				

(5) Fire Propagation Path	(Location of Fire Source) (Propagation from Sou The <i>futon</i> storage area on the 3rd floor and <i>futon</i> mattresse	al Through the stairwell next to the storage room						
	The cause of the fire is unknown, but it first burned the combustible materials ( <i>futon</i> mattresses) inside the storag room. The fire spread to the interior materials and doorframe. Once the flames had reached the hallway, the fire g higher in the stairwell next to the storage room and consumed the combustible doors of each guest room.							
	<ul> <li>O Main Reasons for Propagation of the Fire         The automatic fire detection system promptly alerted people of a fire; however, all of the subsequent actions such the emergency call and fire control were delayed because there was only 1 night guard on duty.     </li> <li>O Smoke Propagation Path         Heavy smoke emerged from the storage room of the 3rd floor and propagated along the hallways and the upper floors through both the south and north stairwells of the building.     </li> </ul>							
П.	I. Summary of the Building							
(1) Built	Construction, Completion, and Major Renovations Unknown							
Fir	(2) Vertical Shafts	(3) Fire Prevention						
Fire Prevention Managem	Stairs[X]Duct Spaces[]Elevators[X]Pipe Shafts[]Escalators[]Other ()[]	<ul> <li>The hotel had appointed a fire-prevention manager and submitted the paper work to the local fire station.</li> <li>The hotel had not prepared any fire defense plan.</li> <li>The last fire drill was carried out in 1968 and none since then.</li> </ul>						
Management	<ul> <li>2 sets of through stairs (one in the south corner and the other in the north corner of the building)</li> <li>1 elevator in the same comer of the south stairwell</li> </ul>							
	(4) Fire Compartments	(5) Firefighting Equipment						
	Both through stairs (north and south stairwells) were adequately protected by fire doors.	<ul> <li>The hotel properly maintained fire equipment such as fire extinguishers, indoor fire hydrants, an automatic fire detection system, and guiding lights.</li> <li>The emergency alarm system was a portable microphone, not a PA system.</li> <li>The hotel maintained 3 sets of rope ladders, but the locations of these are unknown.</li> </ul>						

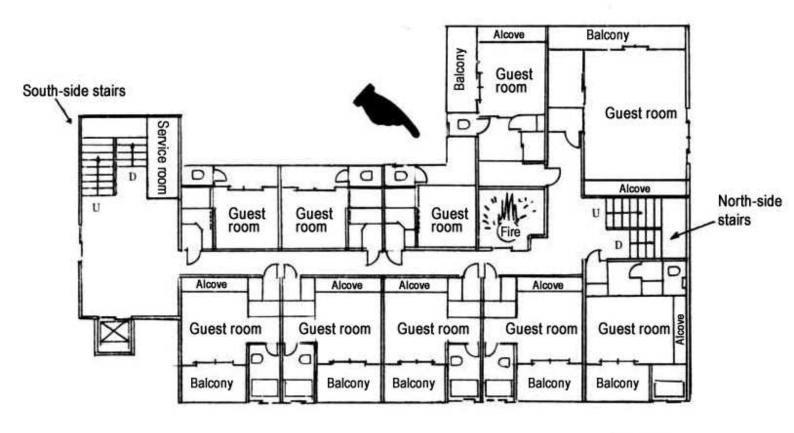
III.	Actions Taken a	after the Fire was Detected						
(1) First Detected	<ul> <li>Detected by</li> <li>How and wh</li> <li>Action taker</li> </ul>	y (Alarm from the auto	d) the automatic fire detection system) juard confirmed the fire)					
ected	Around 23:40, the automatic fire detection system in the security office alerted a night guard who had gone to bed in the office after his night patrol. He was the only night guard that night. He rushed to the fire location on the 3 <sup>rd</sup> floor and saw a large amount of smoke pouring out of the storage room. He ran back to his office on the 1st floor and notified the owner and employees of the fire. When he returned to the fire room, the room was already engulfed in flames.							
(2) En	Emergency Call	Yes[]() No[X]		Time elapsed since the discovery () minutes				
(2) Emergency Call								
(3) Initial Firefighting Activities	<u>Initiated</u>	Successful [ ] Failed [X] • Extinguished timing • Firefighting difficulties • Firefighting method	[X] [] []	(Reasons or Conditions) The night guard woke up an individual at the front desk and they tried to extinguish the fire with a fire extinguisher and a bucket of water, but the fire was already out of control.				
g Activities	Not Initiated	<ul> <li>Extinguished timing</li> <li>Firefighting difficulties</li> <li>Firefighting method</li> <li>Other</li> </ul>	[ ] [ ] [ ] [ ]					
(4) Summary of Firefighting Activities	<ul> <li>There were on heavy smoke</li> </ul>	Obstacles or Difficulties in Fire Control) <sup>2</sup> There were only 2 inside stairs leading to the rooftop. By the time the firefighters arrived, these stairs were filled with heavy smoke. Therefore, the firefighters had difficulty going up, but were able to utilize the balconies on east side of the guest rooms for rescue activities.						

<ul> <li>Stairs [X] (7)</li> <li>Elevators/Escalators [] ()</li> <li>Escape equipment [] ()</li> <li>Directly to ground from windows or opening</li> <li>Rescued [X] (6)</li> <li>Other () [1 ())</li> </ul>	<ul> <li>No windows []</li> <li>Barred openings []</li> <li>Locked emergency doors (Exits) []</li> <li>Alarm system [] (Poorly controlled, Malfunctioned, Not installed)</li> </ul>				
	<ul> <li>installed)</li> <li>er outage []</li> <li>Other [X] (Heavy smoke in the stairwell)</li> </ul>				
When the fire broke out, there were 7 guests on the 4th floor and 8 guests on the 5th floor. By the time the firefighters arrived, 6 of them were calling for help from the east-side balcony on the 5th floor. They climbed down the rope ladders that were prepared by the firefighters and landed on the 2nd floor one by one. From there, they jumped onto <i>futon</i> mattresses placed on the ground. Firefighters rescued 2 guests who were trapped in the large south stairwell on the 4th floor. The rest of the guests (7) were able to escape to the rooftop by themselves and descended via the south stairs when the fire started to die down.					
Healthy individuals 2	Obstacles to Evacuation				
(Drunk persons )ondividuals in need of assistanceoInfantsoElderlyoHandicappedo	<ul> <li>No windows []</li> <li>Barred openings []</li> <li>Locked emergency doors (Exits) []</li> <li>Alarm system [] (Poorly controlled, Malfunctioned, Not installed)</li> <li>Power outage []</li> <li>Other []</li> </ul>				
The 2 guests who were rescued from the stainwell on the 4th floor were rushed to hospital, but died of carbon monoxide poisoning shortly after. They were staying in 4th-floor guest rooms next to the north-side stairwell and became aware of the fire at some point, but instead of going to the balcony on the east, they went to the hallway and ended up in the south tairwell where they were trapped by smoke.					
ssues and Lessons Learned					
otel management should provide thorough fir vacuation procedures) to the employees. otels need to have a sufficient number of nigh ght.)	is that lead to the roof floor or an emergency ladder. e response training (first response, emergency call, fire control, and nttime security guards on duty. (There was only 1 guard on duty on that ire defense plan and conduct fire drills according to the plan.				
	<ul> <li>Other ( ) [ ] ( )</li> <li>When the fire broke out, there were 7 guests arrived, 6 of them were calling for help from the hat were prepared by the firefighters and land nattresses placed on the ground. Firefighters loor. The rest of the guests (7) were able to exhen the fire started to die down.</li> <li>Healthy individuals 2 Ote (Drunk persons ) ndividuals in need of assistance Infants Elderly Handicapped Patients/ill persons •</li> <li>The 2 guests who were rescued from the stair poisoning shortly after. They were staying in 4 he fire at some point, but instead of going to the stairwell where they were trapped by smoke.</li> </ul>				





4th floor of Main Building



3rd floor of Main Building