Job Address 2834 EL CAMINO REAL, RC Date of Appl 10/08/92
Type of Permit COMBINATION Response Deadline HOLD
Group C4
Dept. Check FIRE
Description NEW 2-STORY MOTEL TO REPLACE REDWOOD RANCH MOTEL
A. Comment

Re-Check	Initials	Date Respond	Approval (Y/N)
1. NO	JL	11/03/92	NO
2.			

DEC - 1 1992
CITY OF REDWOOD CITY
BUILDING DIVISION

COMMENTS:

1. BUILDINGS BEING CONSTRUCTED SHALL COMPLY WITH THE FOLLOWING PROVISIONS:

   A. FIRE DEPARTMENT ACCESS SHALL BE ESTABLISHED AND MAINTAINED. CONSTRUCTION MATERIAL SHALL NOT BLOCK ACCESS TO THE BUILDING, HYDRANTS, OR OTHER FIRE APPLIANCES.
   B. WATER MAINS AND HYDRANTS SHALL BE INSTALLED AND BE OPERATIONAL.
   C. FIRE EXTINGUISHERS SUITABLE FOR FIRE ASSOCIATED WITH THE HAZARDS PRESENT SHALL BE PROVIDED FOR ALL BUILDINGS UNDER CONSTRUCTION.
   D. COMBUSTIBLE DEBRIS SHALL NOT BE ACCUMULATED WITHIN ANY BUILDING. COMBUSTIBLE DEBRIS, RUBBISH AND WASTE MATERIAL SHALL BE REMOVED FROM THE BUILDING AS OFTEN AS PRACTICAL.
   E. SMOKING SHALL BE PROHIBITED ON THE CONSTRUCTION SITE EXCEPT IN THOSE AREAS APPROVED BY THE FIRE MARSHAL. A SUITABLE NUMBER AND TYPE OF "NO SMOKING" SIGNS SHALL BE POSTED.
   F. A PERMIT FROM THE FIRE DEPARTMENT IS REQUIRED TO CONDUCT WELDING AND/OR CUTTING OPERATIONS.
   G. ANY PERSON USING A TORCH OR OTHER FLAME-PRODUCING DEVICE FOR REMOVING PAINT OR SWEATING PIPE JOINTS FROM OR IN ANY BUILDING OR STRUCTURE SHALL PROVIDE ONE APPROVED FIRE EXTINGUISHER OR WATER HOSE EQUIPPED WITH A SUITABLE NOZZLE, SUFFICIENT IN LENGTH TO REACH ALL PORTIONS OF THE BUILDING AND CONNECTED TO A WATER SUPPLY ON THE PREMISES WHERE SAID BURNING OPERATION IS PERFORMED. IN ALL CASES, A FIRE WATCH SHALL BE MAINTAINED IN THE VICINITY OF THE OPERATION FOR ONE-HALF HOUR AFTER THE TORCH OR FLAME-PRODUCING DEVICE HAS BEEN USED.
   H. THE STORAGE, HANDLING, AND USE OF FLAMMABLE LIQUIDS SHALL BE IN ACCORDANCE WITH ARTICLE 79 OF THE UNIFORM FIRE CODE. (UFC 87.103)

2. THE STREET ADDRESS SHALL BE PLACED ON THE BUILDING IN A POSITION SO AS TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE STREET OR ROAD

FRONTING THE PROPERTY. SAID NUMBERS SHALL CONTRAST WITH THEIR BACKGROUND. MINIMUM RECOMMENDED HEIGHT OF CHARACTERS IS SIX INCHES. (UFC 10.301 [a])

3. ALL DESIGNATED FIRE LANES SHALL BE MARKED,IN ACCORDANCE WITH SECTION 22500.1 OF THE CALIFORNIA VEHICLE CODE.

   A. BY A SIGN POSTED IMMEDIATELY ADJACENT TO AND VISIBLE FROM, THE DESIGNATED PLACE CLEARLY STATING IN LETTERS NOT LESS THAN ONE INCH IN HEIGHT THAT THE PLACE IS A FIRE LANE.
   B. BY OUTLINING OR PAINTING THE PLACE IN RED AND, IN CONTRASTING COLOR, MARKING THE PLACE WITH THE WORDS "FIRE LANE", WHICH ARE CLEARLY VISIBLE FROM A VEHICLE, OR
   C. BY A RED CURB OR RED PAINT ON THE EDGE OF THE ROADWAY UPON WHICH IS CLEARLY MARKED THE WORDS "FIRE LANE."

4. A KEY BOX OF SUFFICIENT SIZE SHALL BE INSTALLED AT THE OUTSIDE ENTRANCE TO VESTIBULE 001 AND NEAR THE BOTTOM OF STAIR "C". THESE BOXES SHALL CONTAIN SUFFICIENT NUMBERS OF KEYS TO ALLOW ACCESS ALL PARTS OF THE BUILDING AS WELL AS THE FIRE PROTECTION EQUIPMENT AND SYSTEMS. LITERATURE FROM THE MANUFACTURERS OF THESE PRODUCTS AND ORDERING INFORMATION CAN BE OBTAINED FROM THE FIRE DEPARTMENT BY CALLING (415) 780-7400. (UFC 10.302)

5. A FLOOR PLAN PROVIDING PROCEDURES INFORMATION SHALL BE POSTED AT EVERY STAIRWAY LANDING ON THE INTERIOR OF EACH ENRANCE DOOR OR IMMEDIATELY ADJACENT TO SUCH DOOR FOR EACH GUESTROOM, AND IMMEDIATELY INSIDE ALL PUBLIC ENTRANCES TO THE BUILDING. INFORMATION SHALL INCLUDE, BUT IS NOT LIMITED TO THE FOLLOWING:

   A. LOCATION OF EXITS AND FIRE ALARM INITIATING STATIONS,
   B. WHAT THE FIRE ALARM SOUNDS AND LOOKS LIKE,
   C. FIRE DEPARTMENT EMERGENCY TELEPHONE NUMBER 911,
   D. INSTRUCTIONS TO BE FOLLOWED BY AMBULATORY, NONAMBULATORY, AND PHYSICALLY DISABLED IN THE EVENT OF AN EMERGENCY.

   SIGNS SHALL BE PRINTED WITH A MINIMUM OF 3/16 INCH HIGH NON-DECORATIVE LETTERING PROVIDING A SHARP CONTRAST TO THE BACKGROUND. THE INFORMATION SHALL BE REPRESENTATIVE OF THE FLOOR LEVEL AND BE POSTED SO THAT THE BOTTOM EDGE OF SUCH INFORMATION IS LOCATED NOT MORE THAN FOUR FEET ABOVE THE FLOOR. (TITLE 19, CCR, SEC. 3.09)

6. AN APPROVED AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE INSTALLED. PLANS DETAILING THE FIRE SPRINKLER SYSTEM AND UNDERGROUND FIRE SERVICE MAIN SHALL BE SUBMITTED TO THE FIRE DEPARTMENT FOR APPROVAL. (ORDINANCE 2032)

7. AN AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE INSTALLED AT THE TOP OF LAUNDRY CHUTES AND IN THEIR TERMINAL ROOMS. CHUTES EXTENDING THROUGH THREE OR MORE FLOORS SHALL HAVE ADDITIONAL SPRINKLER HEADS INSTALLED WITHIN SUCH CHUTES AT ALTERNATE FLOORS AND BE ACCESSIBLE FOR SERVICING. (UBC 3802 [b])

8. THE EXISTING SIX (6") INCH CITY WATER MAIN ON EL CAMINO REAL FROM OAKWOOD DRIVE TO THE NEW FIRE SERVICE CONNECTION SHALL BE ENLARGED TO A MINIMUM OF EIGHT (8) INCHES IN DIAMETER (INSIDE MEASUREMENT) SINCE IT WILL BE PROVIDING A WATER SUPPLY TO BOTH FIRE HYDRANT AND TO A FIRE SERVICE SYSTEM. (ORDINANCE 2032)

9. A FIRE HYDRANT SHALL BE PROVIDED ON THE SUPPLY SIDE OF THE DETECTOR CHECK VALVE OF THE FIRE SERVICE LINE. THE HYDRANT SHALL HAVE TWO 4-1/2 INCH OUTLETS AND ONE 2-1/2 INCH OUTLET.

   FIRE HYDRANT LOCATION SHALL BE IDENTIFIED BY THE INSTALLATION OF A BLUE REFLECTIVE MARKER. (UFC 10.105 [c])

10. UNDERGROUND FIRE SPRINKLER PIPING SHALL MEET CITY OF REDWOOD CITY ENGINEERING DIVISION REQUIREMENTS. THIS INCLUDES BUT IS NOT LIMITED TO THE SIZE AND MANUFACTURER OF THE UNDERGROUND VAULT, BACK FLOW PREVENTION, COATING OF METALLIC PIPE AND FITTINGS, AND CATHODIC PROTECTION.

11. APPROVED AUTOMATIC FIRE SPRINKLER SYSTEM SHALL INCLUDE A WATER FLOW DETECTING DEVICE AND MONITORING DEVICES ON ALL VALVES CONTROLLING SUCH SYSTEMS (EXCEPT UNDERGROUND GATE VALVES WITH ROADWAY BOXES.) THESE DEVICES SHALL OPERATE ON A CONTINUOUS BASIS TO PROVIDE IMMEDIATE NOTIFICATION OF ANY ACTIVATION OF SUCH SYSTEM TO AN UNDERWRITERS LABORATORY LISTED CENTRAL STATION. (ORDINANCE 2032)

12. EXPOSED SPRINKLER PIPING, FITTINGS, AND HANGERS SHALL BE PAINTED OR OTHERWISE PROTECTED AGAINST CORROSION. (NFPA 13, SECTION 3-5.2)

13. LISTED CORROSION-RESISTANT OR SPECIAL COATED FIRE SPRINKLERS SHALL BE INSTALLED. (NFPA 13, 3-11.4.1)

14. A COMPLEMENT OF FIRE EXTINGUISHERS WITH A MINIMUM CLASSIFICATION OF 2A 10BC SHALL BE MOUNTED AND PLACED SO THAT THE MAXIMUM TRAVEL DISTANCE TO AN EXTINGUISHER ON A FLOOR BY FLOOR BASIS IS 50 FEET. THE TOP OF THE FIRE EXTINGUISHER SHALL BE MOUNTED NO HIGHER THAN FIVE FEET FROM THE FLOOR. EXTINGUISHERS WHICH ARE NOT READILY VISIBLE FROM ALL DIRECTIONS SHALL BE PROVIDED WITH SIGNAGE TO INDICATE ITS LOCATION. (UFC 10.505 [a])

15. THE UPPER APPROACH AND THE LOWER TRED OF EACH STAIR SHALL BE MARKED BY A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST TWO INCHES WIDE PLACED PARALLEL TO AND NOT MORE THAN ONE INCH FROM THE NOSE OF THE STEP OR LANDING. (TITLE 24, PART 2, CCR, SECTION 3306 [q])

16. HANDRAILS SHALL BE 30 TO 34 INCHES ABOVE THE NOSING OF THE TREADS. (TITLE 24, PART 2, CCR, SECTION 3306 [i.1] 2)

17. INTERNALLY OR EXTERNALLY ILLUMINATED EXIT SIGNS SHALL BE INSTALLED ON THE SECOND FLOOR AT THE TOP OF EACH STAIR, AT THE INTERSECTION OF WALKWAY 031 AND 032, AND WHERE OTHERWISE NECESSARY TO

CLEARLY INDICATE THE DIRECTION OF EGRESS. (UBC 3314 [a])

18. WHERE EXIT SIGNS ARE REQUIRED, APPROVED AND LISTED INTERNALLY, EXTERNALLY OR SELF-ILLUMINATED FLOOR-LEVEL EXIT SIGNS SHALL BE REQUIRED. (TITLE 24, PART 2, CCR, SECTION 3314 [e])

19. EMERGENCY LIGHTING FACILITIES FOR MEANS OF EGRESS SHALL BE PROVIDED AS PER THE LIFE SAFETY CODE. FOR THE PURPOSES OF THIS REQUIREMENT, EXIT ACCESS SHALL INCLUDE DESIGNATED STAIRS, AISLES, CORRIDORS, RAMPS, ESCALATORS, AND PASSAGEWAYS LEADING TO AN EXIT. (UFC 1.102 [b])

20. A MANUAL AND AUTOMATIC FIRE ALARM SYSTEM SHALL BE INSTALLED. (UFC ARTICLE 14)

21. THE FOLLOWING INFORMATION SHALL BE SUBMITTED AND APPROVED PRIOR TO THE INSTALLATION OF ANY FIRE ALARM SYSTEM:

   A. DESCRIBE GENERALLY HOW THE ALARM SYSTEM WILL OPERATE. INCLUDE WHAT WILL ACTIVATE THE SYSTEM, WHETHER IT WILL GO INTO A GENERAL ALARM OR RING BY ZONE, IF THERE IS ANNUNCIATION, LOCATION OF SUPERVISORY DEVICES, THE VOICE COMMUNICATION MESSAGE, THE EVACUATION SIGNAL, HOW IT WILL BE MONITORED BY THE U.L. LISTED CENTRAL STATION, WHETHER THE HVAC SYSTEM IS SHUT DOWN OR PRESSURIZATION FANS STARTED, ETC.
   B. INCLUDE AN ITEMIZED LIST OF EQUIPMENT TO BE USED. SHOW THE QUANTITY, MANUFACTURER, MODEL NUMBER, TYPE OF DEVICE, AND THE CALIFORNIA STATE FIRE MARSHAL NUMBER.
   C. CUT SHEETS FOR ALL DEVICES BEING INSTALLED SHALL BE PROVIDED.
   D. DRAWING SHALL INCLUDE THE LOCATION OF ALL DEVICES USED, WIRE RUNS, THE NUMBER OF CONDUCTORS, ZONES, END-OF-LINE RESISTORS, AND TYPICAL WIRING METHODS USED ON THE DEVICES. E. THE CALCULATIONS FOR THE BATTERY SIZE FOR THE SECONDARY (STANDBY) POWER SUPPLY SHALL BE SUBMITTED.
   F. VOLTAGE DROP CALCULATIONS SHALL BE SUBMITTED FOR APPROVAL. VOLTAGE DROP SHALL NOT EXCEED A FIVE PERCENT DROP.

   VISIBLE ALARM SIGNAL APPLIANCES SHALL BE USED IN CONJUNCTION WITH AUDIBLE ALARM DEVICES.

   SUFFICIENT AUDIBLE APPLIANCES SHALL BE INSTALLED SO THAT THE SIGNAL TO THE OCCUPANTS IS AT LEAST 15 dbA ABOVE THE AMBIENT SOUND LEVEL THROUGHOUT THE BUILDING OR SUITE. THIS REQUIREMENT WILL BE VERIFIED IN THE FIELD BY THE FIRE DEPARTMENT DURING THE FINAL INSPECTION.

   ALL FIRE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S LISTING AND NFPA 72E.

   ALL WIRING SHALL MEET REQUIREMENTS OF ARTICLE 760 OF THE NATIONAL ELECTRIC CODE.

22. IN EVERY GROUP A, E, I, AND R-1 OCCUPANCIES - ALL DRAPES HANGINGS, CURTAINS, DROPS, AND ALL OTHER DECORATIVE MATERIAL THAT WOULD TEND TO INCREASE THE FIRE AND PANIC HAZARD SHALL BE MADE FROM A NONFLAMMABLE MATERIAL, OR SHALL BE TREATED AND MAINTAINED IN A FLAME-RETARDANT CONDITION BY MEANS OF A FLAME-RETARDANT SOLUTION OR PROCESS APPROVED BY THE STATE FIRE MARSHAL. (TITLE 19, CCR, SECTION 3.08)

23. THE MAXIMUM FLAME-SPREAD OF FINISH MATERIALS USED ON INTERIOR WALLS AND CEILINGS SHALL NOT EXCEED THAT SET FORTH IN TABLE NO. 42-B OF THE UNIFORM BUILDING CODE.

24. WALLS AND FLOORS SEPARATING DWELLING UNITS SHALL NOT BE OF LESS THAN ONE-HOUR FIRE-RESISTIVE CONSTRUCTION. (UBC 1202 [b])

25. LAUNDRY CHUTE SHALL BE PROTECTED BY A SELF-CLOSING OR AN AUTOMATIC-CLOSING FIRE ASSEMBLY HAVING A FIRE-PROTECTION RATING OF ONE HOUR. THE SHAFT ENCLOSURE SHALL BE NOT LESS THAN ONE-HOUR FIRE-RESISTIVE CONSTRUCTION AND TERMINATE IN A ROOM SEPARATED FROM THE REMAINDER OF THE BUILDING CONSTRUCTION AND TERMINATE IN A ROOM SEPARATED FROM THE REMAINDER OF THE BUILDING BY ONE-HOUR FIRE-RESISTIVE CONSTRUCTION. OPENINGS INTO CHUTES SHALL NOT BE LOCATED IN CORRIDORS. (UBC 3806)

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PROJECT
PROPOSED 37-UNIT MOTEL
2834 EL CAMINO REAL
REDWOOD CITY, CA 94603

NORTH

SHEET TITLE
FIRE-DEPT REQUIREMENTS

DRAWN	SKL
CHKD	
SCALE	
DATE	DEC 21, 1992
JOB NO.	92062
FILE NAME	RCT-3

SHEET NO.
T-3