**BATH & KITCHEN REMODEL EXAMPLE**

*555 YOUR HOUSE WAY, SANTA ROSA, CA*

**FLOOR PLAN**

- **DOOR TO BE SELF-CLOSING, SELF-LATCHING, TIGHT FITTING 1½ MINIMUM SOLID WOOD DOOR OR 20 MINUTE FIRE-RATED DOOR AT THE SEPARATION BETWEEN GARAGE AND RESIDENCE - NO OPENING DIRECTLY FROM A GARAGE OR CARPORT TO A SLEEPING ROOM IS PERMITTED (CRC R302.5.1).**

- **THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ATTIC BY NOT LESS THAN 2'-0" GYPSUM BOARD OR EQUIVALENT APPLIED TO THE GARAGE SIDE - 2'-0" TYPE "X" GYPSUM BOARD IS REQUIRED AT THE CEILING OF GARAGES WITH HABITABLE ROOMS ABOVE THE GARAGE.**

- **FIRE SPRINKLERED:**
  - **CONSTRUCTION TYPE:**
  - **OCCUPANCY CLASS:**

- **LEGEND:**
  - **CS-WSP**
  - **3'-5" CLEAR FOR**
  - **SLEEPING ROOM IS PERMITTED (CRC R302.5.1)**
  - **- NO OPENING DIRECTLY FROM A GARAGE OR CARPORT TO A SLEEPING ROOM IS PERMITTED (CRC R302.5.1).**

- **ENGINEER OR ARCHITECT TO PROVIDE CALCULATIONS & SPECIFICATIONS (CRC R301.1, R301.1.3) AND INFORMATION TO SHOW THE REMAINING LATERAL RESISTING SYSTEM IS SUFFICIENT (CRC R307.2)**

- **GLASS TO BE TEMPERED IF WITHIN 60" OF DRAIN LEVEL (CRC R308.4.5)**

- **THE SHOWER SPRAY (CPC 408.9) - ALSO SPECIFY ENCLOSURE TYPE (CURTAIN, TEMPERED GLASS TO BE TEMPERED IF WITHIN 60" OF DRAIN LEVEL (CRC R308.4.5))**

- **THE SHOWER HEAD DOES NOT DISCHARGE DIRECTLY AT THE ENTRANCE TO THE SHOWER CONTROL VALVES AND SHOWER HEADS MUST BE ARRANGED SO THAT THE SHOWER SPRAY (CPC 408.9) - ALSO SPECIFY ENCLOSURE TYPE (CURTAIN, TEMPERED GLASS TO BE TEMPERED IF WITHIN 60" OF DRAIN LEVEL (CRC R308.4.5)).**

- **TUB/SHOWER ENCLOSURES TO A HEIGHT OF 6' MINIMUM ABOVE FINISHED FLOOR (CRC R602.10)**

- **DINING ROOM**
  - **KITCHEN**
  - **LIVING ROOM**
  - **BATH**
  - **GARAGE**

- **LIGHTING NOTES:**
  - **DISPLAY CABINETS, AS WELL AS SWITCHED OUTLETS SHALL BE TURNED ON AND OFF (CRC 150.0(k)(2)(A)).**
  - **ALL LIGHTING MUST BE HIGH EFFICACY (CEC 150.0(k)(1)).**
  - **LIGHTING SHALL HAVE READILY ACCESSIBLE WALL-MOUNTED CONTROLS THAT ALLOW THE LIGHTING TO BE MANUALLY TURNED ON AND OFF (CEC 150.0(k)(2)(B)).**
  - **EXHAUST FANS SHALL BE CONTROLLED SEPARATELY FROM LIGHTING (CEC 210.52(C)(1)).**
  - **ALL LIGHTING MUST BE HIGH EFFICACY (CEC 150.0(k)(1)).**
  - **LIGHTING SHALL HAVE READILY ACCESSIBLE WALL-MOUNTED CONTROLS THAT ALLOW THE LIGHTING TO BE MANUALLY TURNED ON AND OFF (CEC 150.0(k)(2)(B)).**
  - **EXHAUST FANS SHALL BE CONTROLLED SEPARATELY FROM LIGHTING (CEC 210.52(C)(1)).**

- **PLUMBING FIXTURE EFFICIENCY NOTES:**
  - **WATER CLOSETS (TOILETS) < 1.6 GALLONS PER FLUSH**
  - **WATER CLOSETS (TOILETS) < 1.2 GALLONS PER FLUSH**
  - **WATER CLOSETS (TOILETS) < 1.28 GALLONS PER FLUSH**
  - **URINALS > 1 GALLONS PER FLUSH**
  - **WATER CLOSETS (TOILETS) < 1.6 GALLONS PER FLUSH**
  - **WATER CLOSETS (TOILETS) < 1.2 GALLONS PER FLUSH**
  - **WATER CLOSETS (TOILETS) < 1.28 GALLONS PER FLUSH**

- **ELECTRICAL NOTES:**
  - **NON-COMPLIANT FIXTURES**
  - **HIGH EFFICACY REFERS TO LUMINAIRES THAT COMPLY WITH CPC 420.2.2, CPC 407.2, CPC 406.7.**

- **FREE ACCESS TO CALIFORNIA CODES: https://www.dap.ca.gov/RSC/Codes/#/ViewBagJumpTo**
### CEnC Table 150.0—E Demand-Controlled Local Ventilation Exhaust Airflow Rates and Capture Efficiency

<table>
<thead>
<tr>
<th>Application</th>
<th>Compliance Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosed Kitchen or Non-Enclosed Kitchen</td>
<td>Vented range hood, including appliance-range hood combinations, shall meet either the capture efficiency (CE) or the airflow rate specified in Table 150.0G</td>
</tr>
<tr>
<td>Enclosed Kitchen</td>
<td>Other kitchen exhaust fans, including downdraft: 300 CFM or a capacity of 0 ACH* (based on kitchen volume)</td>
</tr>
<tr>
<td>Non-Enclosed Kitchen</td>
<td>Other kitchen exhaust fans, including downdraft: 300 CFM</td>
</tr>
<tr>
<td>Bathroom</td>
<td>50 CFM</td>
</tr>
</tbody>
</table>

* CFM = cubic feet per minute, ACH = air changes per hour.  
ACH = (CFM of fan * 60 minutes/hr) / (volume of space to be vented [in cubic feet])

### CEnC Table 150.0—F Continuous Local Ventilation Exhaust Airflow Rates

<table>
<thead>
<tr>
<th>Application</th>
<th>Compliance Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enclosed Kitchen</td>
<td>5 ACH, based on kitchen volume</td>
</tr>
<tr>
<td>Non-Enclosed Kitchen</td>
<td>Other kitchen exhaust fans, including downdraft: 300 CFM</td>
</tr>
<tr>
<td>Bathroom</td>
<td>25 CFM</td>
</tr>
</tbody>
</table>

*CMC Table 403.7 is more restrictive than the typical table for this value, so the 20 CFM in CEnC Table 150.0—F has been changed to 25 CFM.

### CEnC Table 150.0—G Kitchen Range Hood Airflow Rates (CFM) and ASTM E3087 Capture Efficiency (CE) Ratings According to Dwelling Unit Floor Area and Kitchen Range Fuel Type

<table>
<thead>
<tr>
<th>Dwelling Unit Floor Area (ft²)</th>
<th>Hood Over Electric Range</th>
<th>Hood Over Natural Gas Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;1500</td>
<td>50% CE OR 110 CFM</td>
<td>30% CE OR 180 CFM</td>
</tr>
<tr>
<td>&gt;1000 to 1500</td>
<td>50% CE OR 110 CFM</td>
<td>80% CE OR 250 CFM</td>
</tr>
<tr>
<td>750 to 1000</td>
<td>55% CE OR 130 CFM</td>
<td>85% CE OR 280 CFM</td>
</tr>
<tr>
<td>≤750</td>
<td>65% CE OR 160 CFM</td>
<td>85% CE OR 280 CFM</td>
</tr>
</tbody>
</table>