MECHANICAL SIZING AND FAN POWER

PROJECT NAME 

SYSTEM NAME

NOTE: Provide one copy of this form for each mechanical system when using the Prescriptive Approach.

SIZING and EQUIPMENT SELECTION

1. DESIGN CONDITIONS:

- OUTDOOR, DRY BULB TEMPERATURE (APPENDIX C)
- OUTDOOR, WET BULB TEMPERATURE (APPENDIX C)
- INDOOR, DRY BULB TEMPERATURE (1993 ASHRAE handbook, See Chap. 8, Fig. 5)

2. SIZING

- DESIGN OUTDOOR AIR
- ENVELOPE LOAD
- LIGHTING
- PEOPLE
- MISCELLANEOUS EQUIPMENT
- OTHER (Describe)
- OTHER (Describe)
- OTHER (Describe)

TOTALS

OTHER LOADS/SAFETY FACTOR (enter 1.21 for cooling and 1.43 heating)

MAXIMUM ADJUSTED LOAD (TOTALS FROM ABOVE X OTHER LOAD/SAFETY FACTOR)

3. SELECTION:

INSTALLED EQUIPMENT CAPACITY

IF INSTALLED CAPACITY EXCEEDS MAXIMUM ADJUSTED LOAD, EXPLAIN ________________________________

FAN POWER CONSUMPTION

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<th>C</th>
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<tbody>
<tr>
<td>FAN DESCRIPTION</td>
<td>DESIGN BRAKE HP</td>
<td>EFFICIENCY</td>
<td>NUMBER OF FANS</td>
<td>PEAK WATTS</td>
<td>CFM (Supply Fans)</td>
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NOTE: Include only fan systems exceeding 25 HP (see § 144). Total Fan System Power Demand may not exceed 0.8 Watts/CFM for constant volume systems or 1.25 Watts/CFM for VAV systems.