

COMPUTER SOFTWARE PROGRAM SOLUTIONS

The written record of computations required by LABC Section 106.3.3.2 of the Building Code, 93.0207 of the Electrical Code, 95.0113.3 of the Mechanical Code and 6-2.3 of NFPA 13 may include the results from an acceptable computer software program. Each sheet of the computer output, including a written record of the input data, shall be signed by and bear the approved seal of an engineer or architect licensed by the State of California for the type of service performed.

Prior to the use of any computer software program, it is recommended that it be submitted to the Department of Building and Safety to determine if it meets the minimum standards for acceptance. This acceptance will be based upon, but not necessarily limited to, the following standards:

1. **User's Guide:** The program description shall contain the necessary information to enable the Department plan check engineers to: determine the nature and extent of the analysis, verify the input data, interpret the results, determine whether the computations fit the design and comply with current Los Angeles City Codes.
2. **Input/Output:** Data provided by input shall be clearly distinguished from those computed in the program. The information required in the output shall include: date of processing, version number of the software, sheet numbers, program and problem identifications, all input data and any indication of controls to the programs, types of loading and units, and important intermediate and checking results in addition to the final results.
3. The engineer or architect responsible for the design shall verify the input data and review the output to insure its accuracy before it is submitted and shall be capable of demonstrating to the Department his/her general familiarity with the computer software program.
4. The following items shall be provided with each submittal:
 - a. A copy of the User's Guide and a bound reference copy of the program description. When the program is to be used repeatedly, a request to establish a permanent file shall be submitted;
 - b. The complete output with the sheets in sequence and with the signature and seal or stamp of the responsible design engineer or architect affixed; and
 - c. Manual computations for those analyses not covered in the software and for any spot-checks that may be necessary to verify the results.