

BUFORD GOFF & ASSOCIATES, INC.

MECHANICAL ENGINEER

CANDIDATE QUESTIONNAIRE

I. GENERAL

Questions are to help Buford Goff & Associates (BGA) evaluate a mechanical engineering candidate's strengths and weaknesses. BGA is looking for enthusiastic and motivated individuals with good technical, organizational, and communication skills.

Lack of experience in any area(s) is not necessarily a negative but does provide insight on the overall capabilities of an individual and what type of design that individual is currently capable of performing.

II. INDICATE FROM 1 to 5 (1 is strongest and 5 is little or no experience) your ability to design the following HVAC systems:

- A. Packaged or split system DX:
- B. Variable refrigerant flow systems:
- C. Air cooled chilled water systems:
- D. Water cooled chilled water systems:
- E. Water source heat pump systems:
- F. Geothermal water source heat pump systems:
- G. Low pressure (<15 PSIG) steam systems:
- H. High pressure (>15 PSIG) steam systems:
- I. Hot water systems
- J. Systems with energy recovery wheels:
- K. Systems with heat pipes:
- L. Ice storage systems:
- M. Variable speed pumping systems:
- N. Variable flow chillers:
- O. Smoke control systems:
- P. Kitchen hood and UDS systems:
- Q. Stair pressurization systems:

III. PROJECT RESPONSIBILITIES (1 is a task you frequently handle and 5 is a task you rarely or never handle):

- A. Interview with client to procure project:
- B. Meet with client to discuss contracts:
- C. Meet with client to review systems, scope of work, etc.:
- D. Develop or modify firm's standard specifications:
- E. Develop or modify firm's standard details:
- F. Develop or modify firm's standard equipment schedules:
- G. Check shop drawings:
- H. Perform project inspections:
- I. Manage projects directly for the client (i.e., engineer prime):

IV. LIST STRENGTH OR WEAKNESS (1 is a strength and 5 is little or no experience):

- A. Understanding codes:
- B. Thoroughness in specifications:
- C. Thoroughness in information on plans:
- D. Coordination with architect, client, and other consultants:
- E. Coordination and communication with contractors:
- F. Thoroughness in review of shop drawings:
- G. AutoCAD (speed and accuracy):
- H. REVIT (speed and accuracy):
- I. Thoroughness in investigating existing conditions:

V. WHAT HAS BEEN YOUR ROLE ON LEED PROJECTS IF ANY (1 is lead role and 3 is little or no role):

- A. Evaluating project LEED points:
- B. Providing technical analysis:
- C. Submitting LEED documentation:

VI. TYPES OF PROJECTS ON WHICH YOU HAVE WORKED (1 is often and 5 is few or none):

- |                             |            |                    |
|-----------------------------|------------|--------------------|
| A. Schools (K-12):          | New: _____ | Renovations: _____ |
| B. University and Colleges: | New: _____ | Renovations: _____ |
| C. Libraries:               | New: _____ | Renovations: _____ |
| D. Laboratories:            | New: _____ | Renovations: _____ |
| E. Hospitals:               | New: _____ | Renovations: _____ |
| F. Nursing Homes:           | New: _____ | Renovations: _____ |
| G. Office Buildings:        | New: _____ | Renovations: _____ |
| H. Detention Facilities:    | New: _____ | Renovations: _____ |
| I. Retail:                  | New: _____ | Renovations: _____ |
| J. Restaurant:              | New: _____ | Renovations: _____ |
| K. Hotel:                   | New: _____ | Renovations: _____ |

VII. NUMBER OF YEARS WORKED AT LAST FOUR (4) FIRMS:

- \_\_\_\_\_ Years
- \_\_\_\_\_ Years
- \_\_\_\_\_ Years
- \_\_\_\_\_ Years

VIII. ARE YOU LOOKING PRIMARILY FOR A:

- Design Role: \_\_\_\_\_
- Design/Management Role: \_\_\_\_\_
- Management Role: \_\_\_\_\_