

|   |  |                                  |                |
|---|--|----------------------------------|----------------|
| MANUAL<br><br>Student Employment<br>Career Services | SECTION<br><br>Student Job Description | PAGE<br>1 / 1<br>REVISOR<br>5/21 |                |
| SUBJECT<br><br><b>Student Engineering Assistant</b> |  | RANK<br><br>x350                 | GROUP<br><br>V |

DEFINITION:

Under the direction of a Manager/Supervisor, the job duties include, but are not limited to:

- (a) The Student Engineering Assistant assists engineers in the development of computer drawings using CAD/CAM for projects assigned by the Energy Manager.
- (b) Assist engineers in the area of technical trouble shooting of mechanical systems.
- (c) Prepare detailed mechanical drawings from oral and written information received from Energy Manager and engineers.
- (d) Perform field checks and site studies by measuring, verifying and recording dimensions and assisting engineers with new requests and changes as the project get underway.
- (e) Review drawings for accuracy of specifications such as coordination of equipment size with space allocation.

BASIC QUALIFICATIONS:

Must be a graduate level student with a degree in Mechanical Engineering degree. Working knowledge of heating, ventilation, and air conditioning engineering standards. Work experience with computer operating systems (DOS) and engineering drafting software such as AutoCAD, Autosketch and CAM.