

DENNIS GROUP

Career Pathway Process Design



Your Journey Starts Here

Below are general guidelines on skills that are expected for our Process Design Engineers at Dennis Group. The skills outlined cover Designer I, Designer II, Designer III, Principal Designer.

If you desire to dedicate 100% of your time within your discipline working in projects, you can aim to become a Technical Expert. This position is highly valuable at Dennis Group as we are frequently facing engineering challenges that require a lot of technical knowledge and experience.

If you wish to keep working within your discipline but prefer to assume a leadership position, you can aim to become a Team Lead. It is very important to the growth of the company that we have leaders that can help in the development of our younger employees and the management of resources within each department. Dennis Group offers a variety of resources, training and support for those in leadership positions.

Finally, if you wish to start managing projects, you can aim to become a Project Manager. If you choose this pathway, there is a different document that comprises the skill of different levels of project management.

Process Design Competencies

Process Design Competency	Designer I	Designer II	Designer III	Principal Designer
Ability to take direction, clarify expectations, and work to complete tasks	●	●	●	●
Has basic understanding of CAD design software	●	●	●	●
General 2D drafting and updating of drawings per "red line" mark-ups	●	●	●	●
Ability to plot drawings and create *.pdf format files	●	●	●	●
Understands DG CAD Standards	●	●	●	●
General 3D drafting and updating of drawings per "red line" mark-ups		●	●	●
Participate in internal project team meetings (DG only)		●	●	●
General understanding of common process equipment & required operational/maintenance clearances		●	●	●
Modification of existing equipment layout drawings as directed by PM or senior designer		●	●	●

Ability to take vendor information and accurately depict it on PM drawings		●	●	●
Ability to create multilevel equipment arrangement drawings		●	●	●
Ability to document existing conditions in the field		●	●	●
Ability to support construction activities and CM questions		●	●	●
Ability to create 3D equipment arrangement drawings		●	●	●
Ability to work through issues to obtain information needed to properly design		●	●	●
Ability to create simple AutoCAD based PIDs		●	●	●
Understands DG design standards and how to access them		●	●	●
Ability to set up drawings (sheets) to transfer project information to contractors		●	●	●
Contributes to developing DG CAD Standards			●	●

Participate in project team meetings with client			●	●
Ability to work on site directly with contractors and in concert with DG CMs and Engineers			●	●
Have understanding of what goes into bid packages and ability to produce needed drawings for them			●	●
Ability to create 3D piping models			●	●
Ability to understand PIDs and design in accordance with them			●	●
Ability to create "Smart" PIDs			●	●
Ability to be a Team Leader			●	●
Conduct Performance Reviews with Team Members			●	●
Coordinate and distribute project workload to Team members			●	●
Shares Experience to aide development and professional growth of Team Members			●	●

Act as over all project design coordinator (clash detection, coordination with other disciplines and design firms to create coordinated model)			●	●
Ability to analyze multiple project scenarios and determine best path forward				●
Provide input for Team Leader performance reviews				●
Ability to work on multiple projects by executing work and/or guiding others				●
Process Design Leader on large, complex, and demanding projects				●
Ability to be Office Lead				●