

Professional Piping Designer Level III Evaluation Form

Effective: 12.8.16

Please consider Level III evaluation for the following candidate:

Candidate's Phone Number: _____

Candidate's Email address: _____

How long have you worked with the applicant? _____ Months. From: ___/___ to: ___/___ (mo. /yr.)

In what capacity? Employer __ Supervisor __ Mentor__ Co-Worker__ Client__ Other _____
(Specify)

Instructions to Evaluator: With the skills and knowledge below, rate the candidate of the scale shown per your direct observation –

1	No knowledge demonstrated.			
2	Prepared for but not done			
3	Performed task			
4	Performs task independently			
5	Mentors others on task.			
				Can explain and define all tasks related to Equipment Layout and target users. (roles & responsibilities)
				Site-wide Layout Considerations. Can explain and apply practices applicable to all equipment: Roads, rack placement, prevailing winds, transportation, standardized steps platforms, access, drop zones, etc.)
				Applicable Standards and Practices - identifies situations requiring the application of publicly available and customer furnished plant layout design standards, including those specifying minimum and/or maximum spacing, recommended elevations, placing of handrails/platforms, etc.
				Greenfield Layout – Explain and demonstrate use of P&ID and Equipment footprints to prepare an initial layout of equipment groups and main piping
				Brownfield Layout – Explain and demonstrate specialized techniques for Equipment layout in existing plans, including laser scanning, tie-ins, rack and structure extensions, etc.
				Pipe Stress – Perform dead weight and expansion stress screening and loop sizing. Explain the application of B31.3 and 16.5 design checks.
				Small Project Leadership – Able to check, estimate manpower and support completion of documents application to pipe routing of typical process equipment.
				<u>Equipment-Specific Knowledge</u> - correctly orient basic process equipment, their nozzles and other points of connection, attachment, assembly, access, inspection, and maintenance. Orientation should demonstrate knowledge of the internal workings of equipment and its impact on

Professional Piping Designer Level III Evaluation Form

Effective: 12.8.16

					inspection, maintenance and construction.
					Compressors –(Demonstrate Equipment-Specific Knowledge)
					Pump –(Demonstrate Equipment-Specific Knowledge)
					Drums–(Demonstrate Equipment-Specific Knowledge)
					Exchangers–(Demonstrate Equipment-Specific Knowledge)
					Cooling Towers–(Demonstrate Equipment-Specific Knowledge)
					Furnaces–(Demonstrate Equipment-Specific Knowledge)
					Reactors–(Demonstrate Equipment-Specific Knowledge)
					Distillation Towers–(Demonstrate Equipment-Specific Knowledge)
					Structures–(Demonstrate Equipment-Specific Knowledge)
					Fire and Waste Systems–(Demonstrate Equipment-Specific Knowledge)
					Storage Tanks–(Demonstrate Equipment-Specific Knowledge)

I would rate the candidate as accumulating _____ years' of experience showing the competencies listed above.

In the space provided below please share any professional or personal comments regarding the candidate's experience or character:

Professional Piping Designer Level III Evaluation Form
Effective: 12.8.16

Evaluator's Name, Company Employed at Presently (location) & Date of your Signature:

Evaluator's Phone Number:

Evaluator's Email Address:
