

Construction Skills Competency Checklist

Skill or competency	Job ready	Almost job ready	Needs improvement	Unsatisfactory	Instructor initials	Student Initials	Date
Safety skills							
Identify safety rules							
Identify safety equipment							
Use safety equipment							
Lift objects safely							
Use basic first aid procedures							
Use hand tools safely							
Use power tools safely							
Use building materials safely							
General construction skills							
Identify and use measurement tools							
Identify and use layout tools							
Identify and use hand tools							
Select correct tool for job							
Identify nails and fasteners							
Use nails and fasteners							
Identify grades of lumber							
Identify grades of plywood							
Identify actual and nominal dimensions of surfaced lumbers							
Identify common lumber defects							
Use correct nailing techniques							
Estimate square feet							
Estimate linear feet							
Estimate cubic feet							
Construct scaffolding							
Identify purposes of building codes, zoning laws, permits							

continued

Construction Skills Competency Checklist, continued

Skill or competency	Job ready	Almost job ready	Needs improvement	Unsatisfactory	Instructor initials	Student Initials	Date
Portable power tools							
Identify power tools							
Determine use of power tools							
Select correct tool for job							
Operate circular saw							
Operate electric drill							
Identify drill bits							
Operate portable router							
Operate miter saw							
Operate power sander							
Operate screw shooter							
Stationary machine skills							
Operate planer							
Operate joiner							
Operate bench saw							
Operate radial saw							
Operate scroll saw							
Operate drill press							
Operate rip saw							
Construction planning skills							
read architect's scale							
read and interpret drawings							
interpret blueprint symbols							
interpret specifications							
identify steps of the building process							
estimate labor costs							
identify materials costs							
organize building materials							

continued

Construction Skills Competency Checklist, continued

Skill or competency	Job ready	Almost job ready	Needs improvement	Unsatisfactory	Instructor initials	Student Initials	Date
Preparing the building site							
Use builder's level							
Establish elevation							
Reference points							
Layout building							
Square building using 6-8-1 method and diagonal							
Demolition skills							
Use hand demolition skills							
Use correct demo procedures							
Use safe demo procedures							
Construct ramps							
Construct chutes							
Correctly place dumpsters							
Pack dumpsters							
Shoring							
Use shoring post							
Use screw jacks							
Make and use A-frames							
Building and installing forms							
Construct footing forms							
Place and make keys for footing and foundation							
Make plywood forms							
Make concrete forms							
Assemble premade forms							
Brace concrete forms							
Set grades							
Pour concrete							
Strip forms							
Place anchor bolts							

continued

Construction Skills Competency Checklist, continued

Skill or competency	Job ready	Almost job ready	Needs improvement	Unsatisfactory	Instructor initials	Student Initials	Date
Floor framing skills							
Snap lines							
Square foundations							
Frame sills							
Frame girders							
Install steel columns							
Layout, cut, and install joint							
Frame stair openings							
Frame chimney openings							
Install subfloor							
Install firestop							
Install joist hangers							
Install steel bridging							
Install cross bridging							
Install solid bridging							
Cut stair ringers							
Exterior wall framing skills							
Layout shoes and plates							
Layout partitions							
Frame window openings							
Frame door openings							
Frame fireplace wall openings							
Precut studs							
Layout dimensions for studs							
Sheath exterior walls							
Install double plates							
Hang exterior doors							
Install windows							

continued

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Skill or competency	Job ready	Almost job ready	Needs improvement	Unsatisfactory	Instructor initials	Student Initials	Date
Interior wall framing skills							
Identify parts of framed wall							
Install strapping							
Layout interior walls							
Construct partition backers							
Construct comers and headers							
Layout shoes and plates							
Frame bearing partitions							
Frame nonbearing partitions							
Install blocking							
Install bracing							
Framing ceilings and roofs							
Layout ceiling joist and rafters							
Install ceiling joints							
Frame fireplace openings							
Layout common rafter patterns							
Figure rafter lengths							
Cut rafters							
Crow foot							
Layout ridge							
Install common rafters							
Install gable studs							
Install sheathing on roof							
Install fascia							
Install rakes							
Install soffits							
Install drip edge							
Apply roofing paper							
Install shingles							

continued

Construction Skills Competency Checklist, continued

Skill or competency	Job ready	Almost job ready	Needs improvement	Unsatisfactory	Instructor initials	Student Initials	Date
Exterior finishing skills							
Erect corner boards							
Install wood shingles							
Install clapboards							
Install tongue and groove siding							
Install plywood siding							
Install composition siding							
Install aluminum siding							
Install vinyl siding							
Install shake shingles							
Install cornice trim							
Install aluminum gutters							
Install wood gutters							
Interior finishing skills							
Install insulation							
Identify different R-values							
Install vapor barriers							
Install drywall							
Install duro-rock							
Install blue board							
Tape drywall							
Apply joint compound							
Plaster							
Install underlayment							
Install bifold doors							
Install finish trim							
Install baseboards							
Install closet shelves and poles							
Install hardwood floors							
Install and build stairs							
Install banisters and railing							
Install vinyl flooring							
Flash patch wooden floors							
Install stock cabinets							
Install counter tops							

continued

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Skill or competency	Job ready	Almost job ready	Needs improvement	Unsatisfactory	Instructor initials	Student Initials	Date
Erecting staging							
Use extension ladder							
Use step ladder							
Use ladder brackets							
Use pump jacks							
Use wall brackets							
Use roof brackets							
Use pipe staging							
Work habits and career readiness							
Identify career opportunities							
Punctuality							
Attendance							
Positive attitude							
Effectively manage difference & conflict							
Supports team effort							
Other skills							
1.							
2.							
3.							
4.							
Attach comments if needed. <i>This construction skills competency list was adapted from a list from YouthBuild Boston</i>							