

**Competency Task List – Secondary Component**

**Carpentry/Carpenter CIP 46.0201**

High School Graduation Years 2022, 2023, 2024

**100 Safety/Occupational Orientation**

Item	Task	(X) Indicates Proficiency <sup>1</sup>	Secondary Course Crosswalk
101	Follow basic, lab, and construction industry safety practices and procedures.		
102	RESERVED		
103	RESERVED		
104	Follow procedures in Safety Data Sheets (SDS) system.		
105	Identify and follow all OSHA safety standards at the construction site.		
106	RESERVED		
107	RESERVED		

**200 Hand Tools**

Item	Task	(X) Indicates Proficiency <sup>1</sup>	Secondary Course Crosswalk
201	Use and maintain small hand tools.		
202	Use and maintain sawing tools.		
203	Use and maintain fastening tools.		
204	Use and maintain measuring tools.		
205	Use and maintain cutting tools.		
206	RESERVED		
207	Use and maintain ladders.		
208	Use and maintain finishing tools.		
209	RESERVED		
210	Construct scaffolding.		

### 300 Power Tools

Item	Task	(X) Indicates Proficiency <sup>1</sup>	Secondary Course Crosswalk
301	Use and maintain stationary electric power tools.		
302	Use and maintain pneumatic/fastening tool systems.		
303	Use and maintain portable electric power tools.		
304	RESERVED		
305	RESERVED		

### 400 Blueprints Reading

Item	Task	(X) Indicates Proficiency <sup>1</sup>	Secondary Course Crosswalk
401	Interpret blueprints.		
402	Interpret and comprehend standard symbols and abbreviations.		
403	Interpret building specifications.		
404	Interpret a plot plan.		
405	Interpret a foundation plan.		
406	Interpret elevation plans.		
407	Interpret details and section views.		
408	Interpret floor, wall, and roof framing plans.		
409	Interpret building and zoning codes.		
410	Interpret Americans with Disabilities Act (ADA) regulations.		

### 500 Site Preparation and Layout

Item	Task	(X) Indicates Proficiency <sup>1</sup>	Secondary Course Crosswalk
501	Determine factors needed to be considered before the start of a building project.		
502	Acquire a building permit.		

503	Use PA One Call System.		
504	Establish elevations and grades from benchmarks using leveling instruments.		
505	Stake out a building foundation using the Pythagorean Theorem.		
506	Layout and construct batter boards.		

**600 Footings and Foundations**

Item	Task	(X) Indicates Proficiency <sup>1</sup>	Secondary Course Crosswalk
601	Identify footer and foundation materials.		
602	Use leveling instruments.		
603	Establish footer lines and elevations.		
604	RESERVED		
605	Layout and construct forms for footers.		
606	Layout foundations.		
607	Layout and construct forms for concrete slabs.		
608	Install reinforcing materials.		
609	Construct vertical and horizontal formwork.		

**700 Framing – Floor Construction**

Item	Task	(X) Indicates Proficiency <sup>1</sup>	Secondary Course Crosswalk
701	RESERVED		
702	RESERVED		
703	Layout and install sill plates.		
704	Layout and install floor joists, including manufactured floor joists.		
705	Layout and install joists for a cantilever floor.		
706	Construct and install cross and solid bridging.		
707	Layout and install sub-flooring.		
708	Layout and construct floor openings.		

**800 Framing – Wall Construction**

Item	Task	(X) Indicates Proficiency <sup>1</sup>	Secondary Course Crosswalk
801	RESERVED		
802	Layout and construct a wall.		
803	RESERVED		
804	Layout and construct door openings.		
805	Layout and construct window openings.		
806	Construct a load bearing header.		
807	Layout and install sheathing.		
808	Plumb, align and brace walls.		
809	Layout and install metal studs.		

**900 Framing – Roof Construction**

Item	Task	(X) Indicates Proficiency <sup>1</sup>	Secondary Course Crosswalk
901	RESERVED		
902	RESERVED		
903	Layout and install a ridgeboard.		
904	Layout and install common rafters.		
905	RESERVED		
906	Layout and install roof trusses.		
907	Layout and install roof sheathing.		
908	Layout and construct roof openings.		
909	RESERVED		
910	RESERVED		
911	Layout and install roofing materials.		
912	Layout and install capping.		

**1000 Exterior Finish**

Item	Task	(X) Indicates Proficiency <sup>1</sup>	Secondary Course Crosswalk
1001	RESERVED		
1002	RESERVED		
1003	Install house wrap.		
1004	Install exterior doors.		
1005	Install windows.		
1006	Layout and install siding.		
1007	Layout and install soffits and fascias.		
1008	Layout and install gutters and downspouts.		
1009	Layout and install exterior deck, stair, and railing systems.		

**1100 Interior Finish**

Item	Task	(X) Indicates Proficiency <sup>1</sup>	Secondary Course Crosswalk
1101	RESERVED		
1102	RESERVED		
1103	Layout, install and finish drywall.		
1104	Layout and install suspended and tile ceilings.		
1105	Layout and install interior doors.		
1106	Layout and install door trim, casings, and hardware.		
1107	Layout and install window trim, casings, and hardware.		
1108	Layout and install baseboard and molding.		
1109	Layout and install flooring materials.		
1110	Layout and install interior stair systems.		
1111	Install various types of insulation.		

**1200 Estimation**

Item	Task	(X) Indicates Proficiency <sup>1</sup>	Secondary Course Crosswalk
1201	Estimate the amount and cost of bricks and blocks needed to complete a given task.		
1202	Estimate the amount and cost of concrete needed to complete a given task.		
1203	Estimate the amount and cost of materials to finish an exterior wall.		
1204	Estimate the amount and cost of materials to finish an interior wall.		
1205	Estimate the amount and cost of materials to construct a finished floor.		
1206	Estimate the amount and cost of materials to construct a finished roof.		
1207	Estimate the amount and cost of materials to install siding for a house.		

<sup>1</sup> Student Demonstrated Entry-Level Industry Proficiency as Indicated by (X)

Secondary CTE Instructor Signature \_\_\_\_\_ Date \_\_\_\_\_

Student Signature \_\_\_\_\_ Date \_\_\_\_\_