

# TECHNICAL STANDARDS FOR ARTICULATING

<b>FUNDAMENTALS OF CONSTRUCTION</b> <b>Option B</b> <b>Robert Hollifield - Instructor</b> <b>Carpentry - CIP No. 46.0400.3</b>						
<b>STANDARD 1.0</b>	<b><u>(QUARTER 1,2)</u> MAINTAIN A SAFE WORK ENVIRONMENT IN CONSTRUCTION</b>					
	<b>1.1 - Identify regulations pertaining to job site hazards and safety in carpentry</b>	<b>X</b>				
	<b>1.2 - Use appropriate personal protective equipment for carpentry</b>	<b>X</b>				
	<b>1.3 - Apply the procedures for the handling of hazardous materials/chemicals including the use of MSDS (Material Safety Data Sheets)</b>	<b>X</b>				
	<b>1.4 - Evaluate types of fires and use of appropriate fire extinguishers</b>	<b>X</b>				
	<b>1.5 - Maintain worksite safety and housekeeping (lighting, safety, etc.)</b>	<b>X</b>				
	<b>1.6 - Identify first aid procedures</b>	<b>X</b>				
	<b>1.7 - Identify safety plan for emergency situations</b>	<b>X</b>				
	<b>1.8 - Demonstrate safe procedures for lifting heavy objects</b>	<b>X</b>				
	<b>1.9 - Follow safe procedures in set up of scaffold and use of ladder</b>	<b>X</b>				
	<b>1.10 - Demonstrate safe work procedures around electrical hazards</b>	<b>X</b>				
	<b>1.11 - Explain the purpose of OSHA and how it promotes safety on the job</b>	<b>X</b>				
	<b>1.12 - Use correct procedures for lockout/tag out</b>	<b>X</b>				
	<b>1.13 - Report safety hazards</b>	<b>X</b>				
<b>STANDARD 2.0</b>	<b><u>(QUARTER 2,3)</u> OPERATE HAND AND POWER TOOLS/EQUIPMENT UTILIZED IN CARPENTRY</b>					
	<b>2.1 - Use and maintain hand tools</b>	<b>X</b>				
	<b>2.2 - Use and maintain portable power tools, powder actuated tools, pneumatic tools and extension cords</b>	<b>X</b>				
	<b>2.3 - Use and maintain stationary power equipment</b>	<b>X</b>				
	<b>2.4 - Inspect condition of hand and power tools before use</b>	<b>X</b>				
<b>STANDARD 3.0</b>	<b><u>(QUARTER 3,4)</u> USE PLANS, SPECIFICATIONS AND CODES</b>					
	<b>3.1 - Identify blueprint terms, components and symbols</b>	<b>X</b>				
	<b>3.2 - Identify a set of drawings/symbols/scales and legends</b>	<b>X</b>				
	<b>3.3 - Read material schedules on blueprints</b>	<b>X</b>				

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	<b>3.4 - Relate information on blueprints to actual locations</b>	<b>X</b>				
	<b>3.5 - Identify and use drawing dimensions</b>	<b>X</b>				
	<b>3.6 - Recognize building codes (i.e., national, state and local)</b>	<b>X</b>				
<b>STANDARD 4.0</b>	<b>(Quarter 2,3) N.C.C.E.R. BASIC COMMUNICATION SKILLS</b>					
	4.1 The Communication Process	<b>X</b>				
	4.2 Listening and Speaking Skills	<b>X</b>				
	4.3 Active Listening on the Job	<b>X</b>				
	4.4 Barriers to Listening	<b>X</b>				
	4.5 Speaking on the Job	<b>X</b>				
	4.6 Placing Telephone Calls	<b>X</b>				
	4.7 Receiving Telephone Calls	<b>X</b>				
	4.8 Reading and Writing Skills	<b>X</b>				
	4.9 Reading and Writing Skills on the Job	<b>X</b>				
<b>STANDARD 5.0</b>	<b>(Quarter 2,3) N.C.C.E.R. BASIC EMPLOYABILITY SKILLS</b>					
	5.1 Construction Business	<b>X</b>				
	5.2 Critical Thinking Skills	<b>X</b>				
	5.3 Computer Skills necessary for Construction	<b>X</b>				
	5.4 Working Relationship Skills	<b>X</b>				
	5.5 Conflict Resolution Skills	<b>X</b>				
	5.6 Work Ethics	<b>X</b>				
	5.7 Teamwork Skills	<b>X</b>				
	5.8 Collaboration Skills	<b>X</b>				
	5.9 Leadership Skills	<b>X</b>				

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	<b>5.10 Workplace Issues (Harassment, Stress, Drug &amp; Alcohol Abuse</b>	<b>X</b>				
<b>STANDARD 6.0</b>	<b>Quarter 1,2,3,4 N.C.C.E.R. BASIC SAFETY</b>					
	6.1 Importance of Safety	<b>X</b>				
	6.2 Accadents - Causes & Results	<b>X</b>				
	6.3 Housekeeping	<b>X</b>				
	6.4 Company Safety Policies & O.S.H.A. Regulations	<b>X</b>				
	6.5 Reporting Injuries, Accadents, and Incidents	<b>X</b>				
	6.6 Hazard Recognition, Evaluation, and Control	<b>X</b>				
	6.7 Elevated Work and Fall Protection	<b>X</b>				
	6.8 Ladders and Stairs	<b>X</b>				
	6.9 Scaffolds	<b>X</b>				
	6.10 Trenching & Excavation	<b>X</b>				
	6.11 Personal Protective Equipment	<b>X</b>				
	6.12 Electrical Hazzards	<b>X</b>				
	6.13 Fire Protection / Fire Fighting	<b>X</b>				
<b>STANDARD 7.0</b>	<b>(Quarter 2,3,4) N.C.C.E.R. INTRODUCTION TO CONSTRUCTION MATH</b>					
	7.1 Whole Numbers	<b>X</b>				
	7.2 Add, Subtract, Multiply, and Divide	<b>X</b>				
	7.3 Fractions (Add, Subtract, Multiply, and Divide)	<b>X</b>				
	7.4 Measurements (Measuring Length, Width & Height)	<b>X</b>				
	7.5 Working with Scales (Ex. - Full, 1"=1', 1/4"=1', 1/2"=1', 1"=20', 1"=10')	<b>X</b>				
	7.6 Decimals	<b>X</b>				
	7.7 Converting Decimals to Whole Numbers and Vice-Versa	<b>X</b>				



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