Plumbing										
I. Perform basic plumbing tasks using appropriate tools and equipment.										
Tasks Instructions:										
Each number to the right refers to a single student/candidate (1-10). Place a										
check (\checkmark) in the respective column for the appropriate student/candidate										
number (1-10) if the skills listed below are observed as stated. Leave blank if	1	2	3	4	5	6	7	8	9	10
not observed. Student/candidate will only get credit for the skills they have										
demonstrated.										
Measure lines to the nearest 1/16 " with a ruler/tape measure										
Cut an opening for various pipes and fixtures										
Demonstrate proper use of hangers and supports										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (5)										
II. Read and interpret blueprints and perform measurements and calculation	ıs.									
Tasks Instructions:										
	1	2	3	4	5	6	7	8	9	10
		2	3	4	5	0	'	0	9	10
Read and develop an isometric sketch of a plumbing system										
Determine measurements from a manufacturer's specification										
Determine rough-in locations										
Interpret riser diagrams										
Safety and infection control are adhered to during all aspects of this task.										

The student completed task within the time limited.										
Points earned										
Total possible points (6)										
III. Perform proper plumbing systems rough-in.										
Tasks Instructions:										
										<u> </u>
	1	2	3	4	5	6	7	8	9	10
Properly install DWV systems										
Label a cross-section of a P-trap										
Identify the proper fittings required for a DWV system										
Calculate the slope required for drainage lines										
Install proper venting										
Install cleanouts										
Rough-in plumbing fixtures										
Perform DWV rough-in inspection test										
Determine proper pipe sizing for hot and cold water systems										
Rough-in water supply lines for plumbing fixtures and appliances										
Perform approved water pressure tests										
Join steel and CSS pipe and fittings										
Join cast iron pipe and fittings										
Join copper tube and fittings										
Join plastic pipe and fittings										
Identify types of fittings and size of fittings										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (18)										

IV. Install plumbing fixtures, appliances and appurtenances.										
Tasks Instructions:										
							_			
	1	2	3	4	5	6	7	8	9	10
Install fixture supply stops										
Install water supplies										
Install appropriate traps										
Install a faucet/valve										
Install a drain assembly										
Install the fixture level, plumb, and secure										
Install appropriate relief valves										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (9)										
		I	I				I		I	
V. Perform plumbing systems service and repair.										
Tasks Instructions:										
	1	2	3	4	5	6	7	8	9	10
		2	5	-	5	U	<i>'</i>	0	3	
Replace a section of damaged water supply pipe										
Repair damaged DWV pipe										
Repair a leaking faucet										
Repair a leaking shower valve										

Replace a trap										
Clear obstructions from a drain										
Clear obstructions from a water close drain										
Clear obstruction from a main drain line										
Safety and infection control are adhered to during all aspects of this task.										
The student completed task within the time limited.										
Points earned										
Total possible points (11)										
	1									
VI. Perform plumbing tasks in a safe environment.										
Tasks Instructions:										
					_	•	_			10
	1	2	3	4	5	6	7	8	9	10
Keeps the work area clean and safe at all times										
Understands and applies OSHA regulations that involve plumbing practices										
Utilizes appropriate safety apparel for task being performed										
Wears appropriate safety glasses, hard hats, work boots, respirators, ear										
protection, back and knee protection, etc., for a given situation										
Demonstrates safe soldering practices									1	1
Demonstrates safe soldering practices Demonstrates correct procedure for connecting torch equipment including										
Demonstrates correct procedure for connecting torch equipment including										
Demonstrates correct procedure for connecting torch equipment including regulators, tanks, hose, torch, and tips										
Demonstrates correct procedure for connecting torch equipment including regulators, tanks, hose, torch, and tips Ignites and extinguishes torch using safe practices										
Demonstrates correct procedure for connecting torch equipment including regulators, tanks, hose, torch, and tips Ignites and extinguishes torch using safe practices Checks for unsafe conditions such as cracked hoses, damaged gauges and										
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Demonstrates correct procedure for connecting torch equipment including regulators, tanks, hose, torch, and tips Ignites and extinguishes torch using safe practices Checks for unsafe conditions such as cracked hoses, damaged gauges and leaks Demonstrates proper use of GFI in potentially hazardous conditions Demonstrates safe use of power and hand tools										

Safety and infection control are adhered to during all aspects of this task.					
The student completed task within the time limited.					
Points earned					
Total possible points (13)					
Total points earned for all sections (A)					
Total possible points for all sections (B) 62					
Student/candidate score (divide A/B)					