

## Gasfitter A POA (2010) Subtask to Unit Comparison Note: Tasks 15 through 17 relate to The Gasfitter A Program

	NOA Subtask	Manitaba Unit(a)
Task		Manitoba Unit(s)
1.01	Demonstrates basic safety awareness.	A1 Introduction to Your Apprenticeship
1.01	Demonstrates basic safety awareness.	A2 Trade Safety Awareness
		A3 Tools and Equipment (includes Piping, Soldering-2hrs,
		and Steel Welding-6 hrs)
1.02	Uses safety gear and personal	A1 Introduction to Your Apprenticeship
1.02	protective equipment.	AT Introduction to Tour Apprenticeship
	protocon o despersorm	A2 Trade Safety Awareness
		A3 Tools and Equipment (includes Piping, Soldering-2hrs,
		and Steel Welding-6 hrs)
1.03	Maintains a safe workplace	A1 Introduction to Your Apprenticeship
	environment.	
		A2 Trade Safety Awareness
		A3 Tools and Equipment (includes Piping, Soldering-2hrs,
		and Steel Welding-6 hrs)
1.04	Installs and Maintains Liquid Petroleum	A6 Gas Code (includes Propane)
	(LP) Storage and Handling Facilities.	
		A8 Sciences I (includes heat load calculations, fan laws, and
		pumps)
4.05	Fallows Cofety/Health Asta and	B9 Alternate Fuel Systems
1.05	Follows Safety/Health Acts and regulations.	A1 Introduction to Your Apprenticeship
	regulations.	A2 Trade Safety Awareness
		Az Trade Galety Awareness
Task	□ 2 – Uses equipment, hand/power tools, i	nstruments, and wiring methods
2.01	Uses hand tools.	A2 Trade Safety Awareness
		A3 Tools and Equipment (includes Piping, Soldering-2hrs,
		and Steel Welding-6 hrs)
		,
2.02	Uses power tools.	A2 Trade Safety Awareness
		A3 Tools and Equipment (includes Piping, Soldering-2hrs,
		and Steel Welding-6 hrs)
2.03	Uses powder-actuated tools.	A2 Trade Safety Awareness
		A3 Tools and Equipment (includes Piping, Soldering-2hrs,
		and Steel Welding-6 hrs)
0.0:		
2.04	Uses technical instruments, and testers.	A3 Tools and Equipment (includes Piping, Soldering-2hrs,
		and Steel Welding-6 hrs)
2.05	Operator period platforms and other life	A2 Tools and Equipment (includes Dining Coldering Char
2.05	Operates aerial platforms and other lift-	A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Stool Wolding 6 hrs)
2.06	trucks.  Follow approved wiring methods.	and Steel Welding-6 hrs)
2.00	i oliow approved willing methods.	A2 Trade Safety Awareness A5 Electrical Fundamentals and CE Code
		AS LIEUTICAL FULLAMENTAIS AND CE CODE
2.07	Solders wire.	A3 Tools and Equipment (includes Piping, Soldering-2hrs,
2.07	Colucts wile.	and Steel Welding-6 hrs)
		Tana Otool Wolding Office

Task 3	3 - Reads and interprets prints, and man	nuals.
3.01	Reads and interprets codes, company policies, company maintenance	A1 Introduction to Your Apprenticeship
	manuals, and manufacturer manuals.	
		A2 Trade Safety Awareness
		A10 Communications with Co-workers and Others
3.02	Reads and interprets drawings (e.g., electrical, structural, architectural, mechanical and civil, block diagrams, and PLC logic drawings).	A4 Drawings and Blueprints
3.03	Reads and interprets Canadian Gas Codes, and the Manitoba Regulation	A2 Trade Safety Awareness
	ocaco, and the manifesta regulation	A6 Gas Code (includes Propane)
		A10 Communications with Co-workers and Others
Task /	Communicates on the job.	
4.01	Establishes and maintains effective communications with co-workers and others.	A1 Introduction to Your Apprenticeship
		A2 Trade Safety Awareness
		A10 Communications with Co-workers and Others
4.02	Uses computers.	A9 Computers
4.03	Uses telephone and fax.	A10 Communications with Co-workers and Others
4.04	Demonstrates use of hand signals and two-way radios.	A2 Trade Safety Awareness
		A10 Communications with Co-workers and Others
4.05	Uses diagrams, schedules, and charts to communicate.	A2 Trade Safety Awareness
		A10 Communications with Co-workers and Others
4.06	Completes documentation, and reports.	A10 Communications with Co-workers and Others
Task : 5.01	5 – Trains personnel.  Conducts orientation.	A1 Introduction to Vour Appropriacehin
J.U I	Conducts offernation.	A1 Introduction to Your Apprenticeship A2 Trade Safety Awareness
		A10 Communications with Co-workers and Others
		B7 Mentoring/Coaching
5.02	Assassas capabilities	A1 Introduction to Vour Appropriacehin
J.U∠	Assesses capabilities.	A1 Introduction to Your Apprenticeship A2 Trade Safety Awareness
		A10 Communications with Co-workers and Others
		B7 Mentoring/Coaching
5.03	Provides direction, guidance	A1 Introduction to Your Apprenticeship
5.05	Provides direction, guidance.	A2 Trade Safety Awareness
		A10 Communications with Co-workers and Others
		B7 Mentoring/Coaching
5.04	Supervises monitors	A1 Introduction to Vour Appropriacehin
J.U4	Supervises, monitors.	A1 Introduction to Your Apprenticeship A2 Trade Safety Awareness
		I / LE I I LUCO CUICLY / WYGI CHOOS

		B7 Mentoring/Coaching
5.05		
5.05	Evaluates performance.	A1 Introduction to Your Apprenticeship
		A2 Trade Safety Awareness
		A10 Communications with Co-workers and Others
		B7 Mentoring/Coaching
		ethods fundamental to the gasfitter trade.
6.01	Performs mathematical operations required to solve technical problems.	A7 Mathematics
		A8 Sciences I (includes heat load calculations, fan laws, and pumps)
6.02	Applies scientific principles to the solution of technical problems.	A8 Sciences I (includes heat load calculations, fan laws, and pumps)
Task 7	7 – Uses basic electrical, electronic, an	d digital devices and circuits.
7.01	Applies electrical concepts to jobrelated tasks.	A5 Electrical Fundamentals and CE Code
		B6 Electrical Requirements
7.02	Applies electronic concepts to jobrelated tasks.	A5 Electrical Fundamentals and CE Code
		B6 Electrical Requirements
7.03	Applies digital logic concepts to jobrelated tasks.	A5 Electrical Fundamentals and CE Code
		B6 Electrical Requirements
7.04	Analyzes single and three-phase systems.	A5 Electrical Fundamentals and CE Code
		B6 Electrical Requirements
Task 8	│ B - Maintains and Services Gas-fired Eq	uipment.
8.01	Maintains Gas-fired Equipment.	A6 Gas Code (includes Propane)
		B1 Gas/Safety Control Requirements
		B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work
		B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements
		B.5 Tests/Inspects Piping and Gas Appliance Efficiency
8.02	Services Gas-fired Equipment.	A6 Gas Code (includes Propane)
	, ,	B1 Gas/Safety Control Requirements
		B3 Gas Burning Equip. and Materials Determination/Burner
		Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand,
		Systems/Pipe Size Determination/Pressure and
		Measurement Requirements
		B5 Tests/Inspects Piping and Gas Appliance Efficiency
Tack (	- Joins conner tube and tubing for Co	as systems
9.01	9 – Joins copper tube and tubing for Ga Cuts copper tube and tubing for gas	B3 Gas Burning Equip. and Materials Determination/Burner
	systems.	Orifice Sizing/Conversion Work
		B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and
		Measurement Requirements
9.02	Bends copper tube and tubing for gas	B4 Longest Run/Gas Burning Equip. BTUH Input Demand,

	systems.	Systems/Pipe Size Determination/Pressure and Measurement Requirements
9.03	Joins copper tube and tubing for gas	B1 Gas/Safety Control Requirements
	systems.	B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work
		B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements
		B5 Tests/Inspects Piping and Gas Appliance Efficiency
Task 1	│ IO – Joins plastic pipe for gas systems.	
10.01		B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work
		B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements
		B5 Tests/Inspects Piping and Gas Appliance Efficiency
10.02	Joins plastic pipe for gas systems.	B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work
		B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements
		B5 Tests/Inspects Piping and Gas Appliance Efficiency
	I1 – Joins steel pipe for gas systems.	DO O D ' E ' IM-('- - D-(' ' //D
11.01	Cuts steel pipe for gas systems.	B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work
		B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements
		B5 Tests/Inspects Piping and Gas Appliance Efficiency
11.02	Joins steel pipe for gas systems.	B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work
		B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements
		B5 Tests/Inspects Piping and Gas Appliance Efficiency
	12 - Performs Layouts and Pipesizing of	
12.01	Performs 'B' Gas-Fired Equipment Layouts.	A6 Gas Code (includes Propane)
		B1 Gas/Safety Control Requirements
		B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work
		B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and
		Measurement Requirements B5 Tests/Inspects Piping and Gas Appliance Efficiency
12.02	Pipesizes Gas-Fired Equipment.	A6 Gas Code (includes Propane)
		B1 Gas/Safety Control Requirements
		B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work
		B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements

		B5 Tests/Inspects Piping and Gas Appliance Efficiency
12.03	Sizes venting and air supply systems.	A6 Gas Code (includes Propane)
12.00	Olzes verting and all supply systems.	B1 Gas/Safety Control Requirements
		B2 Supply Air/Venting Permit Requirements
		27117 2 2 3 2 2 1 2 2 2
	13 – Installs 'B' Gas-Fired Equipment.	
13.01	Installs piping.	A3 Tools and Equipment (includes Piping, Soldering-2hrs,
		and Steel Welding-6 hrs)
		A6 Gas Code (includes Propane)  B4 Longest Run/Gas Burning Equip. BTUH Input Demand,
		Systems/Pipe Size Determination/Pressure and
		Measurement Requirements
13.02	Installs equipment.	A3 Tools and Equipment (includes Piping, Soldering-2hrs,
		and Steel Welding-6 hrs)
		A6 Gas Code (includes Propane)
		B4 Longest Run/Gas Burning Equip. BTUH Input Demand,
		Systems/Pipe Size Determination/Pressure and
		Measurement Requirements
13.03	Installs electrical and controls.	A5 Electrical Fundamentals and CE Code
10.00	mistalis electrical and controls.	A6 Gas Code (includes Propane)
		B1 Gas/Safety Control Requirements
		B6 Electrical Requirements
13.04	Installs venting and air supply systems.	A5 Electrical Fundamentals and CE Code
		B1 Gas/Safety Control Requirements
		B2 Supply Air/Venting Permit Requirements
		A6 Gas Code (includes Propane)
Tack 1	  4 – Tests and Inspects 'B' Gas-Fired Ed	Nuinment
14.01		A3 Tools and Equipment (includes Piping, Soldering-2hrs,
	gas pipas gystem	and Steel Welding-6 hrs)
		A6 Gas Code (includes Propane)
		B4 Longest Run/Gas Burning Equip. BTUH Input Demand,
		B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and
		Systems/Pipe Size Determination/Pressure and
14 02	Performs manufacturer's start-up	Systems/Pipe Size Determination/Pressure and Measurement Requirements B5 Tests/Inspects Piping and Gas Appliance Efficiency
14.02	Performs manufacturer's start-up procedure.	Systems/Pipe Size Determination/Pressure and Measurement Requirements
14.02	·	Systems/Pipe Size Determination/Pressure and Measurement Requirements B5 Tests/Inspects Piping and Gas Appliance Efficiency A6 Gas Code (includes Propane) B1 Gas/Safety Control Requirements
14.02	·	Systems/Pipe Size Determination/Pressure and Measurement Requirements B5 Tests/Inspects Piping and Gas Appliance Efficiency  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements B3 Gas Burning Equip. and Materials Determination/Burner
14.02	·	Systems/Pipe Size Determination/Pressure and Measurement Requirements B5 Tests/Inspects Piping and Gas Appliance Efficiency  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work
14.02	·	Systems/Pipe Size Determination/Pressure and Measurement Requirements B5 Tests/Inspects Piping and Gas Appliance Efficiency  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work B4 Longest Run/Gas Burning Equip. BTUH Input Demand,
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14.02	procedure.	Systems/Pipe Size Determination/Pressure and Measurement Requirements B5 Tests/Inspects Piping and Gas Appliance Efficiency  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements B5 Tests/Inspects Piping and Gas Appliance Efficiency
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	procedure.	Systems/Pipe Size Determination/Pressure and Measurement Requirements B5 Tests/Inspects Piping and Gas Appliance Efficiency  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements B5 Tests/Inspects Piping and Gas Appliance Efficiency
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	procedure.	Systems/Pipe Size Determination/Pressure and Measurement Requirements B5 Tests/Inspects Piping and Gas Appliance Efficiency  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements B5 Tests/Inspects Piping and Gas Appliance Efficiency  A6 Gas Code (includes Propane) B1 Gas/Safety Control Requirements B3 Gas Burning Equip. and Materials Determination/Burner
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	procedure.	Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements
	procedure.	Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and
	procedure.	Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements

		B1 Gas/Safety Control Requirements
		B3 Gas Burning Equip. and Materials Determination/Burner
		Orifice Sizing/Conversion Work
		B4 Longest Run/Gas Burning Equip. BTUH Input Demand,
		Systems/Pipe Size Determination/Pressure and
		Measurement Requirements
		B5 Tests/Inspects Piping and Gas Appliance Efficiency
		"AND FLIF !
1 <b>ask 1</b> 15.01	5 – Performs Layouts and Pipesizing of Performs "A" Gas-Fired Equipment	
15.01		A3 Tools and Equipment (includes Piping, Soldering-2hrs,
	layouts.	and Steel Welding-6 hrs)
		A6 Gas Code (includes Propane)
		B4 Longest Run/Gas Burning Equip. BTUH Input Demand,
		Systems/Pipe Size Determination/Pressure and Measurement Requirements
		C5 B149.3 Gas Codes and MB Gas Notices
		C9 Liquid Propane
		C9 Liquid Proparie
15.02	Pipesizes "A" Gas-Fired Equipment.	A6 Gas Code (includes Propane)
		B1 Gas/Safety Control Requirements
		B3 Gas Burning Equip. and Materials Determination/Burner
		Orifice Sizing/Conversion Work
		B4 Longest Run/Gas Burning Equip. BTUH Input Demand,
		Systems/Pipe Size Determination/Pressure and
		Measurement Requirements
		B5 Tests/Inspects Piping and Gas Appliance Efficiency
		C4 Electrical (Controls, Phasing, CE, Flame Safeguard
		Systems)
		C5 B149.3 Gas Codes and MB Gas Notices
		C6 'A' Gas Fired Equipment Layout
		C10 Combustion Analysis
		C11 Other Gas Fired Equip. (e.g. Mine shaft heaters, grain dryers)
15.03	Sizes venting and air supply systems.	A6 Gas Code (includes Propane)
		B1 Gas/Safety Control Requirements
		B2 Supply Air/Venting Permit Requirements
		C2 Maths (includes gas trade formulas)
		C4 Electrical (Controls, Phasing, CE, Flame Safeguard
		Systems)
		05 04 40 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		C5 B149.3 Gas Codes and MB Gas Notices
		C6 'A' Gas Fired Equipment Layout
Teels 4	6 Installe (A) Coe Fined Favringers	C6 'A' Gas Fired Equipment Layout
	6 – Installs 'A' Gas-Fired Equipment.	C6 'A' Gas Fired Equipment Layout C8 Air Make ups
<b>Task 1</b> 16.01	6 – Installs 'A' Gas-Fired Equipment. Installs piping.	C6 'A' Gas Fired Equipment Layout C8 Air Make ups  A3 Tools and Equipment (includes Piping, Soldering-2hrs,
		C6 'A' Gas Fired Equipment Layout C8 Air Make ups  A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)
		C6 'A' Gas Fired Equipment Layout C8 Air Make ups  A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs) A6 Gas Code (includes Propane)
		C6 'A' Gas Fired Equipment Layout C8 Air Make ups  A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs) A6 Gas Code (includes Propane) B4 Longest Run/Gas Burning Equip. BTUH Input Demand,
		C6 'A' Gas Fired Equipment Layout C8 Air Make ups  A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs) A6 Gas Code (includes Propane) B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and
		C6 'A' Gas Fired Equipment Layout C8 Air Make ups  A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs) A6 Gas Code (includes Propane) B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements
		C6 'A' Gas Fired Equipment Layout C8 Air Make ups  A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs) A6 Gas Code (includes Propane) B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements C2 Maths (includes gas trade formulas)
		C6 'A' Gas Fired Equipment Layout C8 Air Make ups  A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs) A6 Gas Code (includes Propane) B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements C2 Maths (includes gas trade formulas) C4 Electrical (Controls, Phjasing, CE, Flame Safeguard
		C6 'A' Gas Fired Equipment Layout C8 Air Make ups  A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs) A6 Gas Code (includes Propane) B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements C2 Maths (includes gas trade formulas) C4 Electrical (Controls, Phjasing, CE, Flame Safeguard Systems)
		C6 'A' Gas Fired Equipment Layout C8 Air Make ups  A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs) A6 Gas Code (includes Propane) B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements C2 Maths (includes gas trade formulas) C4 Electrical (Controls, Phjasing, CE, Flame Safeguard Systems) C5 B149.3 Gas Codes and MB Gas Notices
		C6 'A' Gas Fired Equipment Layout C8 Air Make ups  A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs) A6 Gas Code (includes Propane) B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements C2 Maths (includes gas trade formulas) C4 Electrical (Controls, Phjasing, CE, Flame Safeguard Systems) C5 B149.3 Gas Codes and MB Gas Notices C6 'A' Gas Fired Equipment Layout
16.01	Installs piping.	C6 'A' Gas Fired Equipment Layout C8 Air Make ups  A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs) A6 Gas Code (includes Propane) B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements C2 Maths (includes gas trade formulas) C4 Electrical (Controls, Phjasing, CE, Flame Safeguard Systems) C5 B149.3 Gas Codes and MB Gas Notices C6 'A' Gas Fired Equipment Layout C8 Air Make ups
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		B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements
		C2 Maths (includes gas trade formulas)
		C4 Electrical (Controls, Phjasing, CE, Flame Safeguard
		Systems)
		C5 B149.3 Gas Codes and MB Gas Notices
		C6 'A' Gas Fired Equipment Layout
		C8 Air Make ups
		D6 Industrial Burner Installations (as per Manufacturer Specs)
16.03	Installs electrical equipment and controls.	A5 Electrical Fundamentals and CE Code
		A6 Gas Code (includes Propane)
		B1 Gas/Safety Control Requirements
		B 6 Electrical Requirements
		C2 Maths (includes gas trade formulas)
		C4 Electrical (Controls, Phjasing, CE, Flame Safeguard Systems)
		C5 B149.3 Gas Codes and MB Gas Notices
		C6 'A' Gas Fired Equipment Layout
		C8 Air Make ups
		D3 Electrical Controls (Bldg Systems)
		D6 Industrial Burner Installations (as per Manufacturer
		Specs)
16.04	Installs venting and air supply systems.	A5 Electrical Fundamentals and CE Code
		B1 Gas/Safety Control Requirements
		B2 Supply Air/Venting Permit Requirements
		A6 Gas Code (includes Propane)
		C2 Maths (includes gas trade formulas)
		C4 Electrical (Controls, Phjasing, CE, Flame Safeguard Systems)
		C5 B149.3 Gas Codes and MB Gas Notices
		C6 'A' Gas Fired Equipment Layout
		C8 Air Make ups
		D6 Industrial Burner Installations (as per Manufacturer
-		Specs)
		Specs)
Task 17	7 – Tests and Inspects A Gas-Fired Equ	
	7 – Tests and Inspects A Gas-Fired Equ	
<b>Task 17</b> 17.01	7 – Tests and Inspects A Gas-Fired Equ Tests gas piping system.	lipment.  A3 Tools and Equipment (includes Piping, Soldering-2hrs,
		A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)
		A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A6 Gas Code (includes Propane)
		A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs) A6 Gas Code (includes Propane) B4 Longest Run/Gas Burning Equip. BTUH Input Demand,
		A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs) A6 Gas Code (includes Propane) B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and
		A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A6 Gas Code (includes Propane)  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements
		A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A6 Gas Code (includes Propane)  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency
		A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs) A6 Gas Code (includes Propane) B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements B5 Tests/Inspects Piping and Gas Appliance Efficiency C2 Maths (includes gas trade formulas)
		A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A6 Gas Code (includes Propane)  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency
		A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A6 Gas Code (includes Propane)  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  C2 Maths (includes gas trade formulas)  C4 Electrical (Controls, Phjasing, CE, Flame Safeguard
		A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A6 Gas Code (includes Propane)  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  C2 Maths (includes gas trade formulas)  C4 Electrical (Controls, Phjasing, CE, Flame Safeguard Systems)  C5 B149.3 Gas Codes and MB Gas Notices
		A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A6 Gas Code (includes Propane)  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  C2 Maths (includes gas trade formulas)  C4 Electrical (Controls, Phjasing, CE, Flame Safeguard Systems)  C5 B149.3 Gas Codes and MB Gas Notices  C6 'A' Gas Fired Equipment Layout
		A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A6 Gas Code (includes Propane)  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  C2 Maths (includes gas trade formulas)  C4 Electrical (Controls, Phjasing, CE, Flame Safeguard Systems)  C5 B149.3 Gas Codes and MB Gas Notices  C6 'A' Gas Fired Equipment Layout  C8 Air Make ups
		A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A6 Gas Code (includes Propane)  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  C2 Maths (includes gas trade formulas)  C4 Electrical (Controls, Phjasing, CE, Flame Safeguard Systems)  C5 B149.3 Gas Codes and MB Gas Notices  C6 'A' Gas Fired Equipment Layout

17.02	Performs manufacturer's start-up procedure.	A6 Gas Code (includes Propane)
	procedurer	B1 Gas/Safety Control Requirements
		B3 Gas Burning Equip. and Materials Determination/Burner
		Orifice Sizing/Conversion Work
		B4 Longest Run/Gas Burning Equip. BTUH Input Demand,
		Systems/Pipe Size Determination/Pressure and
		Measurement Requirements
		B5 Tests/Inspects Piping and Gas Appliance Efficiency
		C2 Maths (includes gas trade formulas)
		C4 Electrical (Controls, Phjasing, CE, Flame Safeguard
		Systems)
		C5 B149.3 Gas Codes and MB Gas Notices
		C6 'A' Gas Fired Equipment Layout
		C8 Air Make ups
		D2 Commissioning (Gas Notices)
		D6 Industrial Burner Installations (as per Manufacturer
		Specs)
		, ,
17.03	Inspects gas piping system.	A6 Gas Code (includes Propane)
		B1 Gas/Safety Control Requirements
<del></del>		B3 Gas Burning Equip. and Materials Determination/Burner
		Orifice Sizing/Conversion Work
		B4 Longest Run/Gas Burning Equip. BTUH Input Demand,
		Systems/Pipe Size Determination/Pressure and
		Measurement Requirements
		B5 Tests/Inspects Piping and Gas Appliance Efficiency
		C2 Maths (includes gas trade formulas)
		C4 Electrical (Controls, Phjasing, CE, Flame Safeguard
		Systems)
		C5 B149.3 Gas Codes and MB Gas Notices
		C6 'A' Gas Fired Equipment Layout
		C8 Air Make ups
		D2 Commissioning (Gas Notices)
		D6 Industrial Burner Installations (as per Manufacturer
		Specs)
17.04	Completes start-up procedure.	A6 Gas Code (includes Propane)
		B1 Gas/Safety Control Requirements
		B3 Gas Burning Equip. and Materials Determination/Burner
		Orifice Sizing/Conversion Work
		B4 Longest Run/Gas Burning Equip. BTUH Input Demand,
		Systems/Pipe Size Determination/Pressure and
		Measurement Requirements
		B5 Tests/Inspects Piping and Gas Appliance Efficiency
		B5 Tests/Inspects Piping and Gas Appliance Efficiency
		C2 Maths (includes gas trade formulas)
		C4 Electrical (Controls, Phjasing, CE, Flame Safeguard
		Systems)
		C5 B149.3 Gas Codes and MB Gas Notices
		C6 'A' Gas Fired Equipment Layout
		C8 Air Make ups
		D2 Commissioning (Gas Notices)
		D6 Industrial Burner Installations (as per Manufacturer
		Specs)
		D7 LPG Updates and Gaseous Products
	8 - Troubleshoots gas equipment.	
18.01	Recognizes and analyzes problem.	A5 Electrical Fundamentals and CE Code
		A6 Gas Code (includes Propane)

		B1 Gas/Safety Control Requirements
		B2 Supply Air/Venting Permit Requirements
ļ		B3 Gas Burning Equip. and Materials Determination/Burner
		Orifice Sizing/Conversion Work
		B4 Longest Run/Gas Burning Equip. BTUH Input Demand,
		Systems/Pipe Size Determination/Pressure and
		Measurement Requirements
		B5 Tests/Inspects Piping and Gas Appliance Efficiency
		B 6 Electrical Requirements
		B8 Applied Trade Projects
		B9 Alternate Fuel Systems
18.02	Selects tools, equipment, and personnel	A3 Tools and Equipment (includes Piping, Soldering-2hrs,
10.02	to address problem.	and Steel Welding-6 hrs)
	to address problem.	B4 Longest Run/Gas Burning Equip. BTUH Input Demand,
ļ		
		Systems/Pipe Size Determination/Pressure and
		Measurement Requirements
		B7 Mentoring/Coaching
		B8 Applied Trade Projects
	9 – Repairs Gas Equipment.	
19.01	Resolves problem.	A3 Tools and Equipment (includes Piping, Soldering-2hrs,
		and Steel Welding-6 hrs)
		A5 Electrical Fundamentals and CE Code
		A6 Gas Code (includes Propane)
		B1 Gas/Safety Control Requirements
		B2 Supply Air/Venting Permit Requirements
		B3 Gas Burning Equip. and Materials Determination/Burner
		Orifice Sizing/Conversion Work
		B4 Longest Run/Gas Burning Equip. BTUH Input Demand,
ļ		Systems/Pipe Size Determination/Pressure and
		Measurement Requirements
		B5 Tests/Inspects Piping and Gas Appliance Efficiency
		B 6 Electrical Requirements
Į.		B8 Applied Trade Projects
		B9 Alternate Fuel Systems
		- ·- ·
19.02	Verifies problem has been resolved.	A3 Tools and Equipment (includes Piping, Soldering-2hrs,
19.02	Verifies problem has been resolved.	
19.02	Verifies problem has been resolved.	A3 Tools and Equipment (includes Piping, Soldering-2hrs,
19.02	Verifies problem has been resolved.	A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs) A5 Electrical Fundamentals and CE Code
19.02	Verifies problem has been resolved.	A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs) A5 Electrical Fundamentals and CE Code A6 Gas Code (includes Propane)
19.02	Verifies problem has been resolved.	A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs) A5 Electrical Fundamentals and CE Code A6 Gas Code (includes Propane) B1 Gas/Safety Control Requirements
19.02	Verifies problem has been resolved.	A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A5 Electrical Fundamentals and CE Code  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B2 Supply Air/Venting Permit Requirements
19.02	Verifies problem has been resolved.	A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A5 Electrical Fundamentals and CE Code  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B2 Supply Air/Venting Permit Requirements  B3 Gas Burning Equip. and Materials Determination/Burner
19.02	Verifies problem has been resolved.	A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A5 Electrical Fundamentals and CE Code  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B2 Supply Air/Venting Permit Requirements  B3 Gas Burning Equip. and Materials Determination/Burner  Orifice Sizing/Conversion Work
19.02	Verifies problem has been resolved.	A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A5 Electrical Fundamentals and CE Code  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B2 Supply Air/Venting Permit Requirements  B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand,
19.02	Verifies problem has been resolved.	A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A5 Electrical Fundamentals and CE Code  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B2 Supply Air/Venting Permit Requirements  B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and
19.02	Verifies problem has been resolved.	A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A5 Electrical Fundamentals and CE Code  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B2 Supply Air/Venting Permit Requirements  B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements
19.02	Verifies problem has been resolved.	A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A5 Electrical Fundamentals and CE Code  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B2 Supply Air/Venting Permit Requirements  B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency
19.02	Verifies problem has been resolved.	A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A5 Electrical Fundamentals and CE Code  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B2 Supply Air/Venting Permit Requirements  B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  B6 Electrical Requirements
19.02	Verifies problem has been resolved.	A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A5 Electrical Fundamentals and CE Code  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B2 Supply Air/Venting Permit Requirements  B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  B6 Electrical Requirements  B8 Applied Trade Projects
19.02	Verifies problem has been resolved.	A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A5 Electrical Fundamentals and CE Code  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B2 Supply Air/Venting Permit Requirements  B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  B6 Electrical Requirements
		A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A5 Electrical Fundamentals and CE Code  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B2 Supply Air/Venting Permit Requirements  B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  B6 Electrical Requirements  B8 Applied Trade Projects
	20 – Plans project requirements.	A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A5 Electrical Fundamentals and CE Code  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B2 Supply Air/Venting Permit Requirements  B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  B6 Electrical Requirements  B8 Applied Trade Projects  B9 Alternate Fuel Systems
		A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A5 Electrical Fundamentals and CE Code  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B2 Supply Air/Venting Permit Requirements  B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  B6 Electrical Requirements  B8 Applied Trade Projects  B9 Alternate Fuel Systems
Task 2	20 – Plans project requirements.	A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A5 Electrical Fundamentals and CE Code  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B2 Supply Air/Venting Permit Requirements  B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  B6 Electrical Requirements  B8 Applied Trade Projects  B9 Alternate Fuel Systems
Task 2	20 – Plans project requirements.	A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A5 Electrical Fundamentals and CE Code  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B2 Supply Air/Venting Permit Requirements  B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  B6 Electrical Requirements  B8 Applied Trade Projects  B9 Alternate Fuel Systems  A2 Trade Safety Awareness  A3 Tools and Equipment (includes Piping, Soldering-2hrs,
Task 2	20 – Plans project requirements.	A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A5 Electrical Fundamentals and CE Code  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B2 Supply Air/Venting Permit Requirements  B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  B6 Electrical Requirements  B8 Applied Trade Projects  B9 Alternate Fuel Systems  A2 Trade Safety Awareness  A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)
Task 2	20 – Plans project requirements.	A3 Tools and Equipment (includes Piping, Soldering-2hrs, and Steel Welding-6 hrs)  A5 Electrical Fundamentals and CE Code  A6 Gas Code (includes Propane)  B1 Gas/Safety Control Requirements  B2 Supply Air/Venting Permit Requirements  B3 Gas Burning Equip. and Materials Determination/Burner Orifice Sizing/Conversion Work  B4 Longest Run/Gas Burning Equip. BTUH Input Demand, Systems/Pipe Size Determination/Pressure and Measurement Requirements  B5 Tests/Inspects Piping and Gas Appliance Efficiency  B6 Electrical Requirements  B8 Applied Trade Projects  B9 Alternate Fuel Systems  A2 Trade Safety Awareness  A3 Tools and Equipment (includes Piping, Soldering-2hrs,

		B2 Supply Air/Venting Permit Requirements
		B7 Mentoring/Coaching
		B8 Applied Trade Projects
20.02	Estimates budget and cost-control.	A2 Trade Safety Awareness
		A3 Tools and Equipment (includes Piping, Soldering-2hrs,
		and Steel Welding-6 hrs)
		A5 Electrical Fundamentals and CE Code
		A6 Gas Code (includes Propane)
		A10 Communications with Co-workers and Others
		B7 Mentoring/Coaching
		B8 Applied Trade Projects
20.03	Schedules activities.	A2 Trade Safety Awareness
		A3 Tools and Equipment (includes Piping, Soldering-2hrs,
		and Steel Welding-6 hrs)
		A10 Communications with Co-workers and Others
		B7 Mentoring/Coaching
		B8 Applied Trade Projects
00.04		107 107 1
20.04	Organizes materials and tools.	A2 Trade Safety Awareness
		A3 Tools and Equipment (includes Piping, Soldering-2hrs,
		and Steel Welding-6 hrs)
		A10 Communications with Co-workers and Others
		B7 Mentoring/Coaching
		B8 Applied Trade Projects
20.05	Coordinates labor and other trade	A2 Trade Safety Awareness
20.03	requirements.	72 Trade Galety Awareness
	- requirements	A3 Tools and Equipment (includes Piping, Soldering-2hrs,
		and Steel Welding-6 hrs)
		A10 Communications with Co-workers and Others
		B7 Mentoring/Coaching
		B8 Applied Trade Projects

