

OALCF Tasks for the Apprenticeship Goal Path: Prepared for the Project, *Developing Best Practices for Increasing, Supporting and Retaining Apprentices in Northern Ontario (2014)*

OALCF Task Cover Sheet

Task Title: Finding Information Tasks

Learner Name:	
Date Started:	Date Completed:
Successful Completion: Yes ___ No ___	
Goal Path: Employment ___ Apprenticeship <input checked="" type="checkbox"/> Secondary School ___ Post Secondary ___ Independence ___	
Task Description: Electricians interpret diagrams and read tables to plan work and complete tasks.	
Competency: A: Find and Use Information	Task Group(s): A2: Interpret documents
Level Indicators: A2.1: Interpret very simple documents to locate specific details A2.2: Interpret simple documents to locate and connect information A2.3: Interpret somewhat complex documents to connect, evaluate, and integrate information	
Performance Descriptors: see chart on last page	
Materials Required: <ul style="list-style-type: none"> • Pencil • Cable Chart • Electrical Schematic • Hot Water Tank label 	

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Electricians interpret diagrams and read tables to plan work and gather supplies. Use the Cable Chart, Electrical Schematic and Hot Water Tank label to complete the following tasks.

Wires are encased in a cable.

Learner Information and Tasks:

Task 1: Look at the Hot Water Tank label. Circle, underline, or highlight the upper allowable wattage rating.

Task 2: Review the Electrical Schematic. How many wires are required for the thermostat to function?

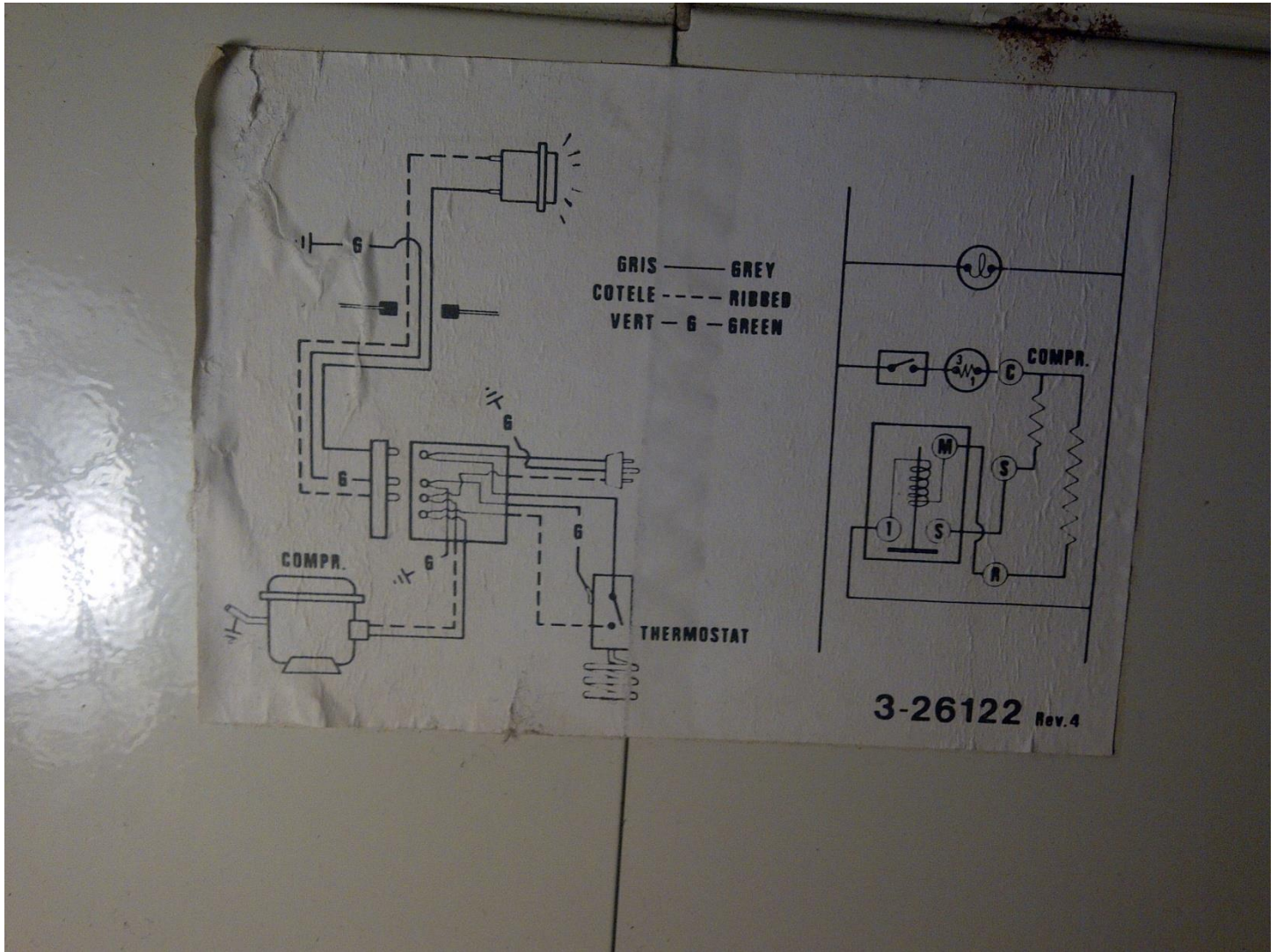
Task 3: Refer to the Cable Chart to determine the minimum requirements for the following tasks. Identify the cable by its code.

A) The cable to supply a dryer. _____

B) The cable to provide 100 amp service to a home. _____

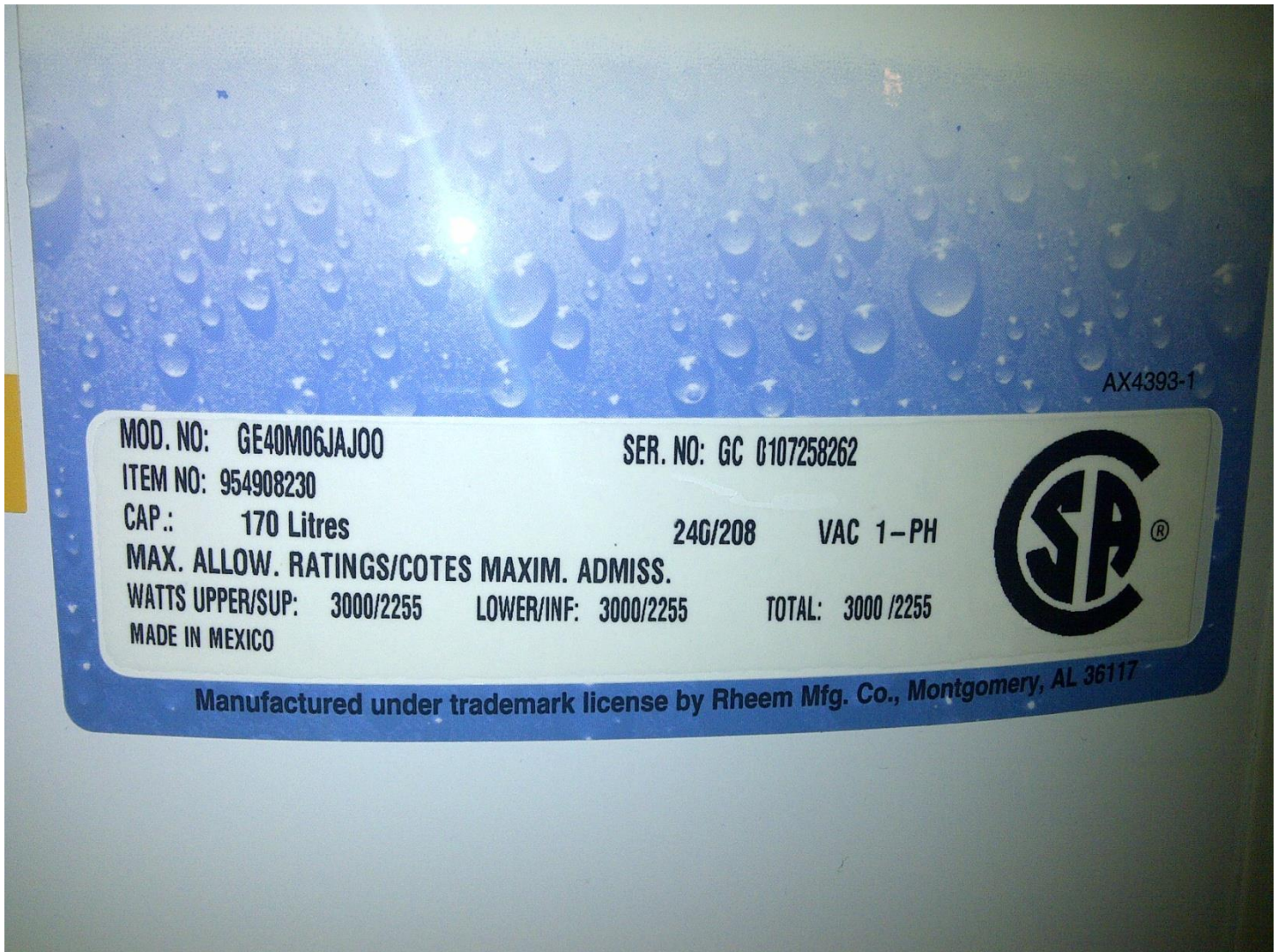
C) The 3-wire cable that is required to connect 2 switches (one on main floor and the other on the second) to a light over the stairs. _____

Electrical Schematic



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Hot Water Tank



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Cable Chart

Code	No. of Wires	Uses
#14-2	2 w/gnd	general lighting and receptacles
#14-3	3 w/gnd	3-way switches, split receptacles
#12-2	2 w/gnd	kitchen and bath circuits
#12-3	3 w/gnd	3-way switches on 20 amp services
#10-3	3 w/gnd	Dryers, cook top ovens
#4		70 amp services, 100 amp neutral conductor
#2		main conductor for 100 amp services

Code: Gauge – number of wires. For example, #14-2 means 2 14 gauge wires.

Note: w/gnd means ‘with ground wire’. In these cases, the ground wire is not included in the wire count

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Answer Key

Task 1: 3000/2225

Task 2: 3

Task 3: A) #10-3

B) #2

C) #14-3

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Performance Descriptors		Needs Work	Completes task with support from practitioner	Completes task independently
A2.1	<ul style="list-style-type: none"> scans to locate specific details 			
	<ul style="list-style-type: none"> interprets brief text and common symbols 			
	<ul style="list-style-type: none"> locates specific details in simple documents, such as labels and signs 			
A2.2	<ul style="list-style-type: none"> performs limited searches using one or two search criteria 			
	<ul style="list-style-type: none"> extracts information from tables and forms 			
	<ul style="list-style-type: none"> uses layout to locate information 			
	<ul style="list-style-type: none"> makes low-level inferences 			
A2.3	<ul style="list-style-type: none"> performs complex searches using multiple search criteria 			
	<ul style="list-style-type: none"> integrates several pieces of information from documents 			
	<ul style="list-style-type: none"> uses layout to locate information 			
	<ul style="list-style-type: none"> makes inferences and draws conclusions from information displays 			

This task: was successfully completed____ needs to be tried again____

Learner Comments

Instructor (print)

Learner Signature