

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: Interpret Blueprints

Learner Name:	
Date Started:	Date Completed:
Successful Completion: Yes ___ No ___	
Goal Path: Employment <input checked="" type="checkbox"/> Apprenticeship <input checked="" type="checkbox"/> Secondary School ___ Post Secondary __ Independence ___	
Task Description: Carpenters interpret blueprints and other scale drawings.	
Competency: A: Find and Use Information B: Communicate Ideas and Information	Task Group(s): A1: Read continuous text A2: Interpret documents B2: Write continuous text
Level Indicators: A1.2: Read texts to locate and connect ideas and information A2.2: Interpret simple documents to locate and connect information A2.3: Interpret somewhat complex documents to connect, evaluate, and integrate information B2.2: Write brief texts to convey simple ideas and factual information	
Performance Descriptors: see chart on the last page	
Materials Required: <ul style="list-style-type: none"> • Test Drawing No. 3 • Building Code Excerpt • Pencil 	

Task Title: Interpret Blueprints

Carpenters interpret blueprints and other scale drawings to determine placement of building materials. They also consult the Building Code to determine if modifications are legal.

Learner Information and Tasks:

Using the Test Drawing No. 3 and the excerpt from the Building Code, the carpenter determines where the building materials are to be placed. Using the relevant excerpt from the Building Code, the carpenter can also explain why a modification is not legal.

Task 1: What type of door separates the Kitchen and the Dining Room?

Task 2: On which side of the Living Room are the awning type of windows found?

Task 3: Which bedrooms have bi-fold doors?

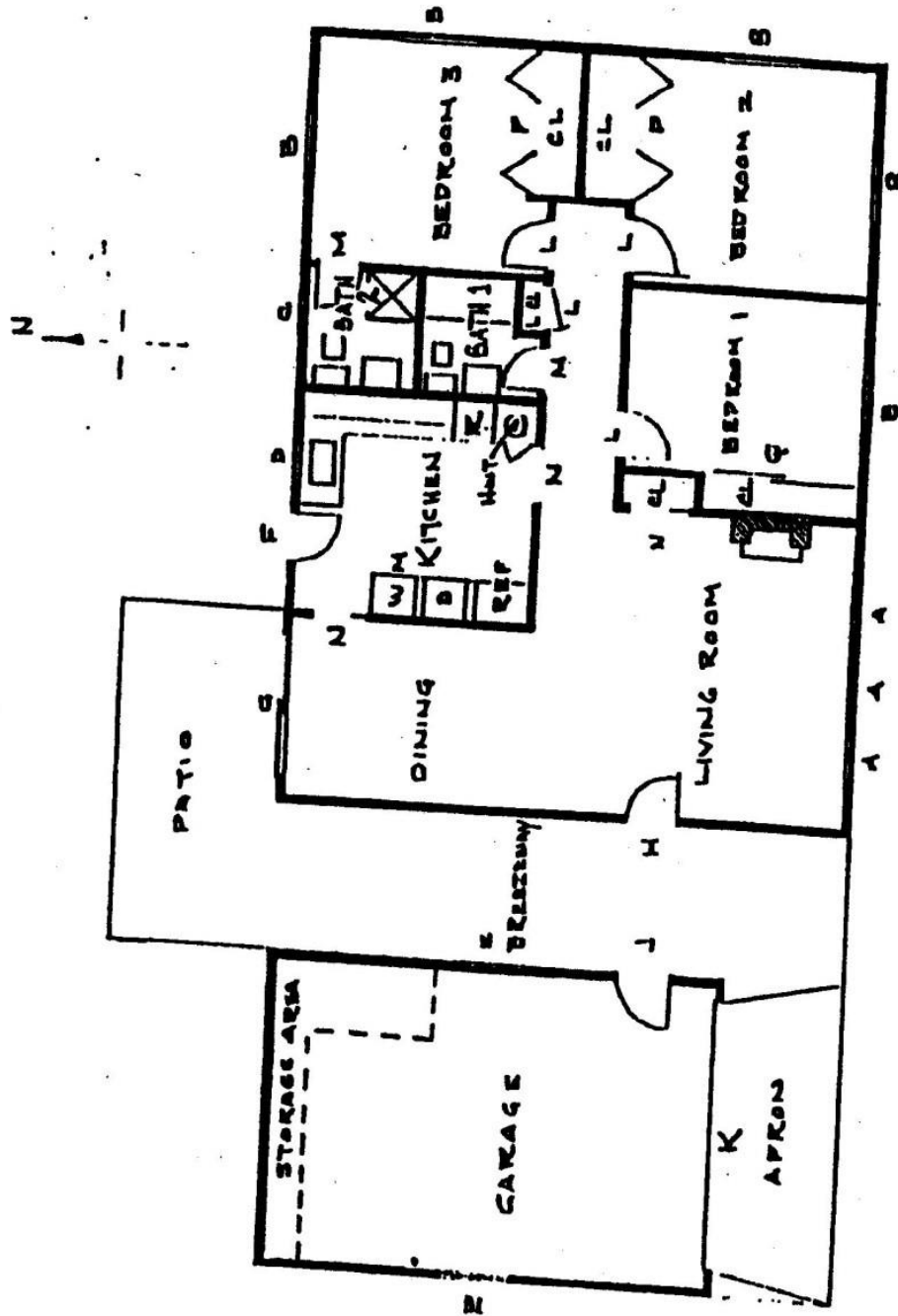
Task 4: Bedroom 1 is 7.5' x 9'. The owner wants to have the closet run the whole length of the south wall. Using the excerpt from the Building Code, write a note to the customer explaining why that is not possible.

WINDOW & DOOR SCHEDULE

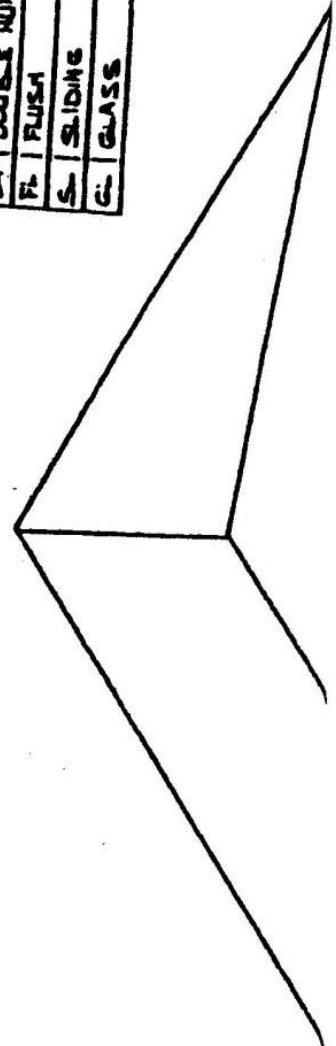
A	AWNING
B	HOR SLIDING
C	DH
D	DH
E	DH
F	FL DOOR 1 LT
G	SL GL DOORS
H	FL DOOR 2 LT
J	PANEL DOOR
K	GARAGE DOOR
L	FL DOOR
M	FL DOOR
N	SL DOOR
P	BI-FOLD DOOR
Q	SL DOOR

LIST OF ABBREVIATIONS

WM	WASHING MACHINE
D	DRYER
REF	REFRIGERATOR
INT	HOT WATER TANK
R	RANGE
CL	CLOSET
LL	LINEN CLOSET
LV	LAVATORY
HP	HORIZONTAL
DT	DOUBLE HUNG
FL	FLUSH
S	SLIDING
GL	GLASS



FIRST FLOOR PLAN



Building Code Excerpt

9.7.1. General

9.7.1.1. Application

(1) Windows and skylights shall conform to the requirements of this Section.

9.7.1.2. Minimum Window Areas

(1) Except as required in Article 9.7.1.3. and Sentence (3), the minimum window glass area for rooms in *buildings of residential occupancy* or that are used for sleeping shall conform to Table 9.7.1.2.

(2) The unobstructed glass area of a door or skylight is considered equivalent to that of a window.

(3) Work areas in *live/work units* shall conform to Clause 3.7.2.1.(2)(a).

(4) Where rooms with different requirements for window glass area are combined as described in Sentence 9.5.1.4.(1), the more restrictive requirement shall govern.

**Table 9.7.1.2.
Glass Areas for Rooms of Residential Occupancy**

Forming Part of Sentence 9.7.1.2.(1)

Column 1	Column 2	Column 3
Location	Minimum Unobstructed Glass Area With No Electric Lighting	Minimum Unobstructed Glass Area With Electric Lighting
Laundry, <i>basement</i> recreation room, unfinished <i>basement</i>	4% of area served	Windows not required
Water closet room	0.37 m ²	Windows not required
Kitchen	10% of area served	Windows not required
kitchen space		
kitchen alcove		
Living rooms and dining rooms	10% of area served	10% of area served
Bedrooms and other finished rooms not mentioned above	5% of area served ⁽¹⁾	5% of area served ⁽¹⁾

Notes to Table 9.7.1.2.:

⁽¹⁾See Article 9.7.1.3.

9.7.1.3. Bedroom Windows

(1) Except where a door on the same floor level as the bedroom provides direct access to the exterior, every floor level containing a bedroom in a *suite* shall be provided with at least 1 outside window that,

(a) is openable from the inside without the use of tools,

- (b) provides an individual, unobstructed open portion having a minimum area of 0.35 m² with no dimension less than 380 mm, and
- (c) maintains the required opening described in Clause (b) without the need for additional support.

(2) Except for *basement* areas, the window described in Sentence (1) shall have a maximum sill height of 1 000 mm above the floor.

(3) When sliding windows are used, the minimum dimension described in Sentence (1) shall apply to the openable portion of the window.

(4) Where the sleeping area within a *live/work unit* is on a *mezzanine* with no obstructions more than 1 070 mm above the floor, the window required in Sentence (1) may be provided on the main level of the *live/work unit* provided the *mezzanine* is not more than 25% of the area of the *live/work unit* or 20 m² whichever is less and an unobstructed direct path of travel is provided from the *mezzanine* to this window.

Task Title: Interpret Blueprints

Answer Key

Task 1: N SL DOOR

Task 2: South

Task 3: Bedrooms 2 and 3

Task 4: According to the Building Code 9.7.1.2 and 9.7.1.3, every bedroom must have at least one window as a fire escape to the outdoors. The south wall is the only access to the outside for Bedroom 1.

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Performance Descriptors		Needs Work	Completes task with support from practitioner	Completes task independently
A1.2	<ul style="list-style-type: none"> scans text to locate information 			
	<ul style="list-style-type: none"> reads more complex texts to locate a single piece of information 			
	<ul style="list-style-type: none"> obtains information from detailed reading 			
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 connections between parts of documents 			
A2.3	<ul style="list-style-type: none"> performs complex searches using multiple search criteria 			
	<ul style="list-style-type: none"> manages unfamiliar elements (e.g. vocabulary, context, topic) to complete tasks 			
	<ul style="list-style-type: none"> integrates several pieces of information from documents 			
	<ul style="list-style-type: none"> compares or contrasts information between two or more documents 			
B2.2	<ul style="list-style-type: none"> writes texts to explain and describe 			
	<ul style="list-style-type: none"> conveys intended meaning on familiar topics for a limited range of purposes and audiences 			
	<ul style="list-style-type: none"> uses limited range of vocabulary and punctuation appropriate to the task 			
	<ul style="list-style-type: none"> begins to select words and tone appropriate to the task 			
	<ul style="list-style-type: none"> begins to organize writing to communicate effectively 			

