SKILLEDTRADESBC

Bricklayer

Level 3
PRACTICAL ASSESSMENT INFORMATION PACKAGE

Bricklayer Level 3
Practical Assessment
Information Package

This is an information package regarding the British Columbia Bricklayer Practical Assessment. This assessment is designed to test the scope of the practical knowledge and skills of the trade.

This standard practical exam was developed and validated by a technical subcommittee of the Masonry Industry Training Association, an Industry Society composed of eight directors appointed by Industry, the Canadian Masonry Contractors' Association (4 directors) whom represent open shop contractors and employees, The Masonry Contractors Association of BC (2 Directors), whom represent Union Masonry Contractors, and the International Union of Bricklayers and Allied Craftworkers Local #2 BC (2 Directors), whom represent union masonry craftworkers.

TABLE OF CONTENTS

Section 1 – Bricklayer Practical Assessment Information

The following pages contain basic information about the practical assessment tasks for the Bricklayer program.

Carefully review the assessment information. You will have 3 hours to complete this practical assessment.

Once you have registered for a practical assessment venue, you will be given details and other applicable information will be provided by the assessment agency to help you prepare ahead of the exam.

Please contact Trowel Trades Training Association for any questions or to book a Bricklayer Practical Assessment.

Trowel Trades Training Association contact:

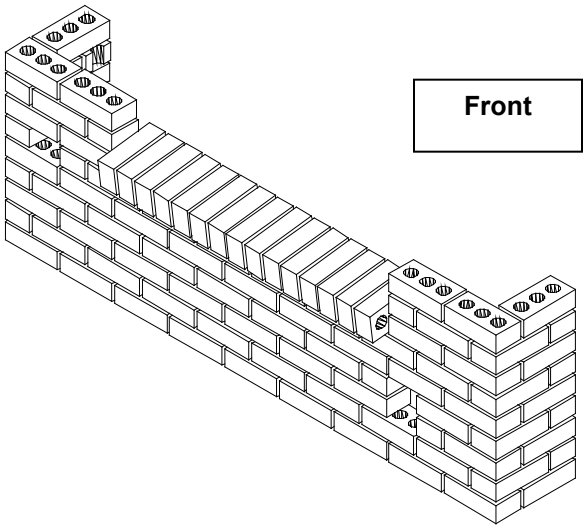
604-580-2463

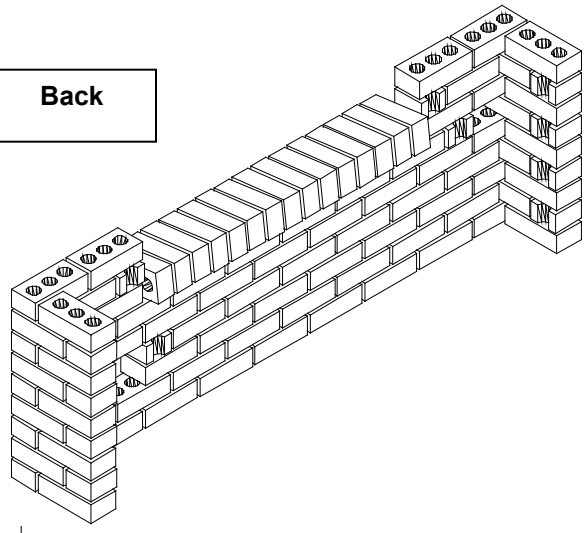
1-844-480-2463 (Toll free)

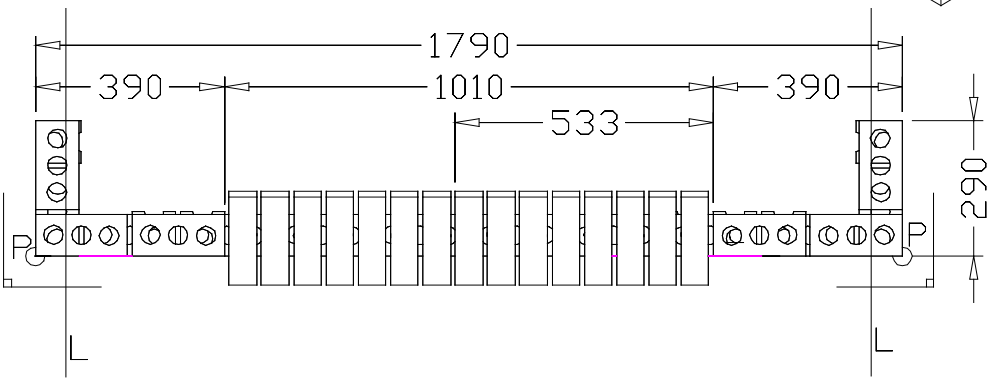
Section 2 – Bricklayer Practical Assessment Project

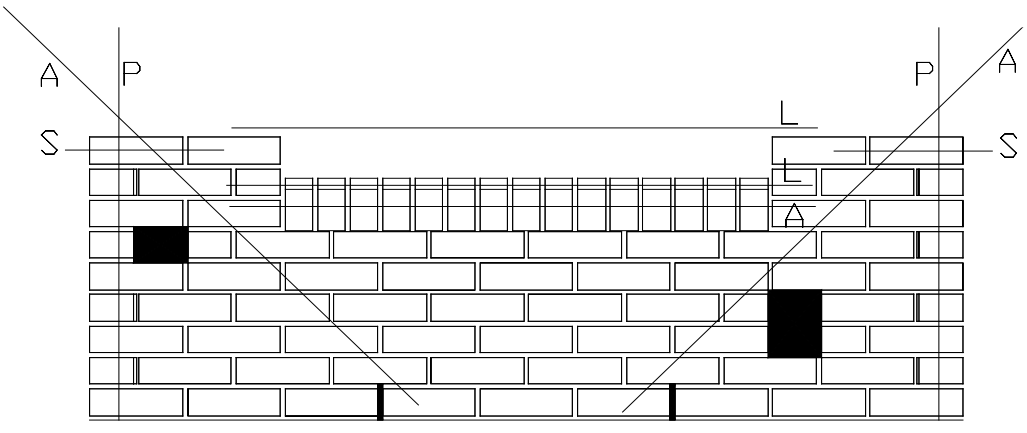
Project Notes:

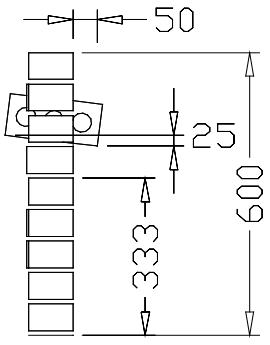
- Weepholes at 600mm o/c (in the front of project only)
- Brick gauge – 3 courses of brick in 200mm
- Openings – left empty, located as shown on elevation drawing
- Sill – gauged at 3 rowlocks in 200mm
- Sill – sloped at a drop of 25mm over the length of the brick
- Sill – to have an overhang of 50mm
- All joints to the front and sides of the project are to be concave tooled (tooled, brushed and re-tooled)
- Cleanliness is not scored but strongly recommended. Minimize mortar drop











Marking:

- Station set-up is not timed – all materials and equipment are readied prior to the timed test.
- Clock starts as soon as the student begins to lay-out the project.
- No time extensions will be allowed.
- At completion of test, determine **with the student** which corner (left or right) of the project will be the "benchmark" where project height will be measured. Determine the "benchmark" before taking any official measurements. Indicate the "benchmark" on the score sheet.
- Using the student's tools (level, square and tape) and the measuring gauge, take one reading for each measurement at its worst possible location. Record actual measurement. Report the number of millimetres out of specification (beyond acceptable range) on the score sheet. One point is deducted per millimetre out of specification up to the maximum deduction.
- To evaluate consistency of mortar joints, the maximum and minimum thicknesses for both head and bed joints are measured, and the differences recorded.
- No score can be given for an incomplete project.
- The student needs 70 marks or more to pass.

Section 3 – Materials and Equipment

Materials

92 metric modular bricks (90×57×190mm)
- Concrete bricks may not be used to build the sill

13 half metric modular bricks (90×57×95mm)

5 20L pails of pre-mixed lime mortar (proportions: 3 parts fine, washed, masonry sand to 1 part type S hydrated lime)

potable water

Equipment

Mortar board

Mortar stand

Adequate lighting

Tools

Brick Trowel

Line and line blocks

4' Level (1.2m)

Jointer

24"×16" Square (600×400mm)

Brush

Measuring Tape

Pencil

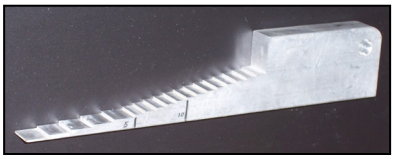
Gauge Tape

Personal equipment

Safety shoes

Marking tool

Marking gauge graduated in millimetres (1mm to at least 15mm in 1mm increments)



Section 4 – Level 3 Project - Score Sheet

Date: _____

Student: _____

Assessor: _____

Benchmark:
(mark on drawing - either right or left corner)

Time to complete: _____
(maximum 3 hours)

All measurements are in mm.

		Actual measurement	Deviation	Tolerance	mm beyond tolerance	Maximum deduction	Deduction (1 pt per mm beyond tolerance up to max)
Dimensions & Gauge	Length (at first course) - **1790mm**			1		5	
	Opening length (jamb to jamb) - **1010mm**			1		5	
	Overall height (at benchmark) - **600mm**			1		5	
	Top of 5th brick course (at benchmark) - **333mm**			1		5	
	Sill (from jamb to end of 8th brick) - **533mm**			1		5	
Jointing	Outside joints full and concave tooled **Yes/No**						
	Brick Head					2	
	Brick Bed					3	
	Bed joints: Max-Min (not including base joint)	Min: Max:		6		5	
	Head joints: Max-Min (not including sill)	Min: Max:		6		5	
Weeps, Openings and Sill (proper installation, location & size)	Weeps					4	
	Openings					4	
	Sill slope - **25mm**			5		5	
	Sill overhang - **50mm**			5		5	
Level (mm off level)	Sill top			1		5	
	Across top of jambs			1		5	
	Top of return (at benchmark)			1		3	
Plumb & vertical alignment (mm off plumb at corners)	Front left			1		5	
	Side left			1		2	
	Front right			1		5	
	Side right			1		2	
Alignment (mm out of alignment)	Sill front			1		3	
	Diagonal left			1		3	
	Diagonal right			1		3	
Square (measured at 9th course within 290mm of corner)	Left corner			1		3	
	Right corner			1		3	
						Max points 100	Total deductions

Signatures:

Assessor: _____

Score: _____

Score = 100 - Deductions
70 minimum to pass