6715-01 Level 1 Diploma in Stonemasonry

August 2014 Version 1.0



Contents

Candidate details		2	
Unit assessment overview		3	
Practical task completion record		3	
Instructions to candidates		5	
Unit 133 Setting out and templet ma	king for stonemasonry components	6	
Task 1 Set out full size details for mould	ded plinth stone	6	
Task 2 Produce templets and moulds f	or a moulded plinth stone	8	
Unit 134 Working stonemasonry cor	nponents	12	
Task 1 Cope a quarry block		12	
Task 2 Produce flat, plane surfaces		14	
Task 3 Work moulded plinth stone		16	
Unit 135 Fixing stonemasonry comp	onents	19	
Task 1 Set out and fix moulded plinth s	tone into surrounding masonry	19	
Drawings and diagrams		22	
Figure 1: Moulded plinth stone		22	
Figure 2: Plan, front and side elevations		23	
Figure 3: Isometric drawing		24	

Candidate details



This *Practical task manual* is a record of your achievement in practical assessments. You must keep it in good condition and it must be stored in a safe place by your Assessor.

Please fill in all of your details before you carry out any assessments.

Candidate Details				
Surname	Forename(s)			
City & Guilds enrolment number				
Centre Details				
Name	Centre No			
I understand the requirements of the qualification and that all the work towards the assessments must be my own.				
Candidate signature				
Assessor name (please print)	Signed			
	Date			
	<u> </u>			

Unit assessment overview Practical task completion record

To be completed by Assessor:

For each task, the points for each grade are Pass = 1, Merit = 2, and Distinction = 3 points.

Conversion chart		
Average Overall Grade		
1 – 1.5	Pass	
1.6 – 2.5	Merit	
2.6 – 3	Distinction	

Unit 132 Principles of stonemasonry

Task		Grade for task [†]
Internally marked questions		P/X
Assessor signature and date:	Overall grade	

Unit 133 Setting out and templet making for stonemasonry components

one 133 Secting out and templet making for stonemasonly components				
Task		Grade for task [†]	Points (graded tasks)	
1. Set out full size details for moulded plinth sto	ne	P/M/D/X		
2. Produce templets and moulds for a moulded	plinth stone	P/M/D/X		
Internally marked questions		P/X		
		Total		
Assessor signature and date:	Divide total points from graded tasks by number of graded tasks		÷2	
	Average =			
	Overall grade (see conversion chart)			

[†]All tasks must be passed for the unit to be achieved.

Unit 134 Working stonemasonry components

Task	Grade for ta	Points (graded tasks)
1. Cope a quarry block	P/X	
2. Produce flat, plane surfaces	P/M/D/X	(
3. Work moulded plinth stone	P/M/D/X	(
Internally marked questions	P/X	
	1	Гotal
Assessor signature and date:	Divide points from graded tasl number of graded t	ks by ÷2
	Avera	age =
	Overall g i (see conversion c	

Unit 135 Fixing stonemasonry components

Task	Grade for task [†]	
1. Set out and fix moulded plinth stone into surrounding masonry		P/M/D/X
Internally marked questions		P/X
Assessor signature and date:	Overall grade	

Instructions to candidates

About this document

This *Practical task manual* contains all of the practical assessment for the 6715-01 Level 1 Diploma in Stonemasonry.

Practical tasks

These tasks let you show your practical skills and are usually graded pass, merit or distinction – a few are pass only. These tasks will be assessed by your assessor watching how you carry out the tasks and checking your final pieces of work.

Before you carry out the task you will be told how it will be assessed and you should read the observation checklist at the end of each task so you know what you need to do to get each grade.

You can ask your assessor for help in understanding the task instructions, but all of the work must be your own.

Health and safety

You must use safe working practices at all times.

You are responsible for your own safety and the safety of others. If you behave in an unsafe way, you will be stopped and given a warning. If you do not meet all of the Health and Safety requirements, the assessment will be stopped. Your assessor will not be able to let you try the task again until they are sure you can work safely.

Time considerations

Each task shows how long it is likely to take. This is for guidance and so you can plan your work. If you have a good reason for needing more time you must explain this to your assessor as soon as possible so they can decide whether you can have more time.

Security

Where an assignment is taken over more than one session, all documentation, paperwork and work products must be labelled carefully with your name and kept securely at the centre. Your assessor will give you directions about how to leave your work.

Opportunities to repeat tasks

The tasks are 'end tests' so you will only be asked to take the assessment when you have had the chance to do all of the learning and practice you need. You will be able to try the whole task again if you do not pass, but you will not be able to take the assessment again just to try to get a better grade.

Feedback

As well as telling you the result for the task, your assessor will give you feedback. They will give you a feedback sheet with details of what you could do to improve, and also what you did well. This will help you to prepare for other assessments or to retake the assessment if you need to.

Unit 133 Setting out and templet making for stonemasonry components

Task 1 Set out full size details for moulded plinth stone

Task coversheet

Expected time	2.5 hours
Task instructions	 In this task you will be required to: interpret information from drawings set out full size details from drawings complete a job card.
Diagrams	Figure 1: Moulded plinth stone, see page 22

AC	The candidate has	Pass	Merit	Distinction
2.1, 2.6, 2.7	set out cavetto from bisected line	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
2.2, 2.6, 2.7	produced full size end elevation	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
2.2, 2.6, 2.9	produced full size plan	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
2.3, 2.6, 2.7	set out cyma reversa from equal divisions	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
2.4, 2.6	found mitres with the use of a compass, showing all construction lines	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
2.5	completed a job card with required information			
2.3, 2.8	drawn fixing slot in correct location	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
	drawn joggle in correct location	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt

Task grading rules		Task grade:
To achieve a pass :		
all pass criteria must be	met.	
To achieve a merit :		
• a minimum of 6/7 merit of	riteria must be met, and;	
all the remaining criteria pass standard, and;	must be achieved to at least a	
 candidates must not exc more than 50%. 	eed the expected task time by	
To achieve a distinction :		
• a minimum of 6/7 distinction criteria must be met, and;		
 the remaining graded criteria must be achieved to a merit standard, and; 		
 all the non-graded criteria must be achieved to a pass standard, and; 		
 candidates must not exc more than 25%. 	eed the expected task time by	
Assessor Name		
Assessor Signature		
Date		

Unit 133 Setting out and templet making for stonemasonry components

Task 2 Produce templets and moulds for a moulded plinth stone

Task coversheet

Expected time	2.5 hours
Task instructions	In this task you will be required to: • interpret information from a job card • complete a method statement and risk assessment • complete a resource checklist • transfer details from drawings • produce templets and moulds • keep a clean work area • work safely at all times.
Diagrams	Figure 1: Moulded plinth stone, see page 22

AC	The candidate has	Pass	Merit	Distinction
4.2	completed a method statement for making templets and moulds			
4.3	completed a risk assessment for making templets and moulds			
4.1, 4.4, 4.5	completed a resource checklist for making templets and moulds			
4.1, 4.6, 4.7	produced zinc section square within a tolerance of \pm 1 mm	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
	produced zinc section to correct dimensions	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
	produced section details in zinc within a tolerance of \pm 1 mm:			
	• cyma recta	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
	• fillet	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt

AC	The candidate has	Pass	Merit	Distinction
	• cavetto	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
	• joggle	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
	• fixing slot	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
	produced reverse for cyma recta within a tolerance of \pm 1 mm	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
	produced reverse for cavetto within a tolerance of \pm 1 mm	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
	produced plastic bed mould square within a tolerance of \pm 1 mm	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
	produced plastic bed mould to correct dimensions	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
	produced bed mould details in plastic within a tolerance of \pm 1 mm:			
	section lines	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
	mitre lines (external and internal)	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
	• return and break	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
	ashlar stop	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
	• fixing slot	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt

AC	The candidate has	Pass	Merit	Distinction
4.1, 4.8	annotated templets with necessary information on the:			
	• section	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
	• reverses	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
	• bed mould	Correct on 3rd attempt	Correct on 2nd attempt	Correct on 1st attempt
4.9	stored templets correctly while not in use			
4.10	disposed of waste materials appropriately			
4.4, 4.11, 4.12	followed current environmental and relevant health and safety regulations			
1.12	used tools, equipment and materials in a safe manner			
	used and maintained PPE as appropriate			
	maintained a clean and safe working area			
	cleaned and returned all tools and equipment once the task is complete.			

Task grading rules		Task grade:	
To achieve a pass :	Го achieve a pass :		
all pass criteria must be	met.		
To achieve a merit :			
a minimum of 13/19 mer	it criteria must be met, and;		
all the remaining criteria pass standard, and;	must be achieved to at least a		
 candidates must not exc more than 50%. 	eed the expected task time by		
To achieve a distinction :			
• a minimum of 13/19 dist and;	a minimum of 10/17 distinction of total mast so mot,		
 the remaining graded criteria must be achieved to a merit standard, and; 			
all the non-graded criter standard, and;	 all the non-graded criteria must be achieved to a pass standard, and; 		
 candidates must not exc more than 25%. 	eed the expected task time by		
Assessor Name			
Assessor Signature			
Date			

Unit 134 Working stonemasonry components Task 1 Cope a quarry block

Task coversheet

Expected time	To assessor's discretion.
Task instructions	 In this task you will be required to: interpret a method statement and risk assessment complete a resource checklist cope a quarry block to specified dimensions keep a clean work area work safely at all times.
Diagrams	n/a

AC	The candidate has	Pass	Merit	Distinction
2.2	completed a method statement for coping a quarry block			
2.3	completed a risk assessment for coping a quarry block			
2.6	completed a resource checklist			
2.5	selected an appropriate stone for coping			
2.7	boned in stone for coping			
	marked out stone for coping			
	set up block ready for coping			
	coped block to ensure a consistent split			
2.4, 2.12, 2.13,	followed current environmental and relevant health and safety regulations			
2.14	used tools, equipment and materials in a safe manner			
	used and maintained PPE as appropriate			
	maintained a clean and safe working area			
	cleaned and returned all tools and equipment once the task is complete.			

Task grading rules		Task grade:
To achieve a pass :		
all pass criteria must be met.		
Assessor Name		
Assessor Signature		
Date		

Unit 134 Working stonemasonry components Task 2 Produce flat, plane surfaces

Task coversheet

Expected time	To assessor's discretion.
Task instructions	In this task you will be required to: complete a method statement and risk assessment complete a resource checklist produce flat, plane surfaces to industry standards produce a boastered finish to surfaces keep a clean work area work safely at all times.
Diagrams	n/a

AC	The candidate has	Pass	Merit	Distinction
2.2	completed a method statement for producing flat, plane surfaces			
2.3	completed a risk assessment for producing flat, plane surfaces			
2.4, 2.6	completed a resource checklist			
2.8	worked plane surfaces true, out of twist and square	At least three sides worked correctly	At least three sides worked correctly, with at least two correct on 1st attempt	At least three sides worked correctly on 1st attempt
2.10	produced boastered finish to surfaces	no more than 6 errors over 3 sides	no more than 5 errors over 3 sides	no more than 4 errors over 3 sides
2.4, 2.12, 2.13,	followed current environmental and relevant health and safety regulations			
2.14	used tools, equipment and materials in a safe manner			
	used and maintained PPE as appropriate			
	maintained a clean and safe working area			
	cleaned and returned all tools and equipment once the task is complete.			

Task grading rules		Task grade:		
To achieve a pass :				
• all pass criteria must be	met.			
To achieve a merit :				
both merit criteria must	be met, and;			
all the remaining criteria must be achieved to at least a pass standard.				
To achieve a distinction :				
both distinction criteria	must be met, and;			
all the remaining criteria pass standard.	must be achieved to at least a			
Assessor Name				
Assessor Signature				
Date				

Unit 134 Working stonemasonry components Task 3 Work moulded plinth stone

Task coversheet

Expected time	Between 12 and 20 hours (dependant on stone type and natural variations).
Task instructions	In this task you will be required to: • interpret information from a job card, drawings and specifications • complete a method statement and risk assessment • complete a resource checklist • work a moulded plinth stone • keep a clean work area • work safely at all times.
Diagrams	Figure 1: Moulded plinth stone, see page 22

AC	The candidate has	Pass	Merit	Distinction
2.1	interpreted information from a job card, drawings and specifications			
2.2	completed a method statement for working a moulded plinth stone			
2.3	completed a risk assessment for working a moulded plinth stone			
2.4 2.6	completed a resource checklist			
2.9, 2.11	selected a stone as specified by assessor			
2.11	ensured the stone is true, out of twist, square and of correct dimensions (± 1 mm over 300 mm)			
	identified any faults in the stone and (where applicable):			
	recorded on the resource checklist			
	reported to the assessor			
	clearly marked bedding plane on the back of the stone			
	marked up the stone from templets			
	run lines through with pencil and scriber where appropriate			
	cut worked details to include:			

AC	The candidate has	Pass	Merit	Distinction
	• cyma recta	no more than 3 errors	no more than 2 errors	no errors
	• fillet	no more than 3 errors	no more than 2 errors	no errors
	• cavetto	no more than 3 errors	no more than 2 errors	no errors
	 joggle 			
	fixing slot, drilled for dowel			
	ensured internal mitre line clean and true			
	ensured external mitre lines clean and true			
	ensured return to stop square from face			
	ensured return break square from face			
	ensured face of ashlar stop square, clean and true	no more than 3 errors	no more than 2 errors	no errors
	ensured mitre of ashlar stop square, clean and true			
2.10	produced chiselled finish to all visible surfaces			
2.4, 2.12, 2.13,	followed current environmental and relevant health and safety regulations			
2.14	used tools, equipment and materials in a safe manner			
	used and maintained PPE as appropriate			
	maintained a clean and safe working area			
	cleaned and returned all tools and equipment once the task is complete.			

Task grading rules	Task grade:		
To achieve a pass :			
all pass criteria must be	met.		
To achieve a merit :			
a minimum of 3/4 merit of	riteria must be met, and;		
all the remaining criteria pass standard, and;	an the formatting effective mast be defined at teast a		
 candidates must not exc more than 50%. 	 candidates must not exceed the expected task time by more than 50%. 		
To achieve a distinction :			
a minimum of 3/4 distinct			
 the remaining graded cri merit standard, and; 			
 all the non-graded criteria must be achieved to a pass standard, and; 			
 candidates must not exc more than 25%. 	eed the expected task time by		
Assessor Name			
Assessor Signature			
Date			

Unit 135 Fixing stonemasonry components

Task 1 Set out and fix moulded plinth stone into surrounding masonry

Task coversheet

Expected time	14 hours		
Task instructions	In this task you will be required to: • interpret information from documents • complete a method statement and risk assessment		
	 complete a resource checklist set out for fixing stonemasonry components fix ashlar walling with moulded plinth and pilaster fix coursed rubble panel keep a clean work area work safely at all times. 		
Diagrams	Figure 2: Plan, front and side elevations, see page 23 Figure 3: Isometric drawing, see page 24		

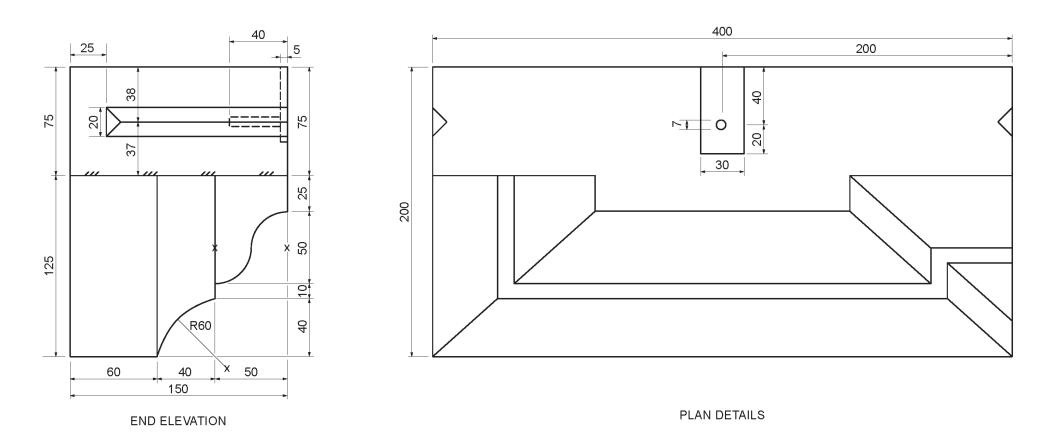
AC	The candidate has	Pass	Merit	Distinction
2.1, 4.1, 6.1, 6.2	interpreted drawings, specifications and manufacturer's documentation required for fixing stone on site, and confirmed understanding of the task			
2.2	completed a method statement for fixing stonemasonry components			
2.3	completed a risk assessment for fixing stonemasonry components			
2.4, 2.5, 4.2	completed a resource checklist			
4.6	checked backing wall for plumb, square and dimensional accuracy, and reported any discrepancies to the assessor			
4.3, 4.6	transferred datum to working area	± 3 mm	± 2 mm	± 1 mm
4.4, 4.6	established and set out to building line	± 3 mm	± 2 mm	± 1 mm
4.5, 4.6	set out a right angle corner	± 3 mm	± 2 mm	± 1 mm
6.2	gauged and mixed mortars for fixing ashlar, coursed rubble walling and stonemasonry components			

AC	The candidate has	Pass	Merit	Distinction
6.3, 6.4	fixed ashlar walling to incorporate moulded plinth and quoins:			
	to correct gauge	± 3 mm	± 2 mm	± 1 mm
	to correct level	± 3 mm	± 2 mm	± 1 mm
	to correct plumb at point A	± 3 mm	± 2 mm	± 1 mm
	to correct plumb at point B	± 3 mm	± 2 mm	± 1 mm
	to correct plumb at point C	± 3 mm	± 2 mm	± 1 mm
	to correct plumb at point D	± 3 mm	± 2 mm	± 1 mm
	to correct length	± 3 mm	± 2 mm	± 1 mm
	 using appropriate fixings 			
6.5	applied flush joint finishes to ashlar walling to industrial standards			
	ensured clean face finish to ashlar walling			
6.3	fixed coursed rubble walling with stepped ashlar:			
	to correct gauge	± 6 mm	± 4 mm	± 2 mm
	to correct level	± 6 mm	± 4 mm	± 2 mm
	to correct plumb at point E	± 3 mm	± 2 mm	± 1 mm
	to correct plumb at point F	± 3 mm	± 2 mm	± 1 mm
	to correct plumb at point G	± 6 mm	± 4 mm	± 2 mm
	maintaining a clean cavity			
6.5	applied brushed joint finishes to coursed rubble walling			
	ensured clean face finish to coursed rubble walling			
2.4, 2.6, 4.7,	followed current environmental and relevant health and safety regulations			
6.6, 6.7, 6.8	used tools, equipment and materials in a safe manner			
	used and maintained PPE as appropriate			

AC	The candidate has	Pass	Merit	Distinction
	maintained a clean and safe working area			
	cleaned and returned all tools and equipment once the task is complete.			

Task grading rules			Task grade:
To achieve a pass :			
•	all pass criteria must be	met.	
To ach	nieve a merit :		
•	a minimum of 10/15 merit criteria must be met, and;		
•	all the remaining criteria must be achieved to at least a pass standard, and;		
•	candidates must not exc more than 50% .		
To achieve a distinction :			
•	a minimum of 10/15 distinction criteria must be met, and;		
•	 the remaining graded criteria must be achieved to a merit standard, and; 		
•	• all the non-graded criteria must be achieved to a pass standard, and;		
•	candidates must not exc more than 25% .	eed the expected task time by	
Asses	ssor Name		
Assessor Signature			
Date			

Drawings and diagrams Figure 1: Moulded plinth stone



NOT TO SCALE ALL MEASUREMENTS IN MILLIMETRES

Figure 2: Plan, front and side elevations

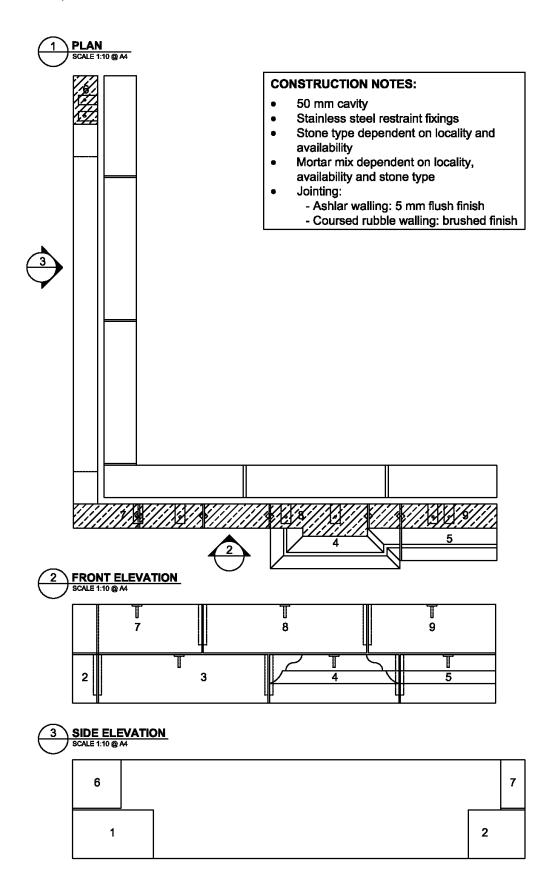
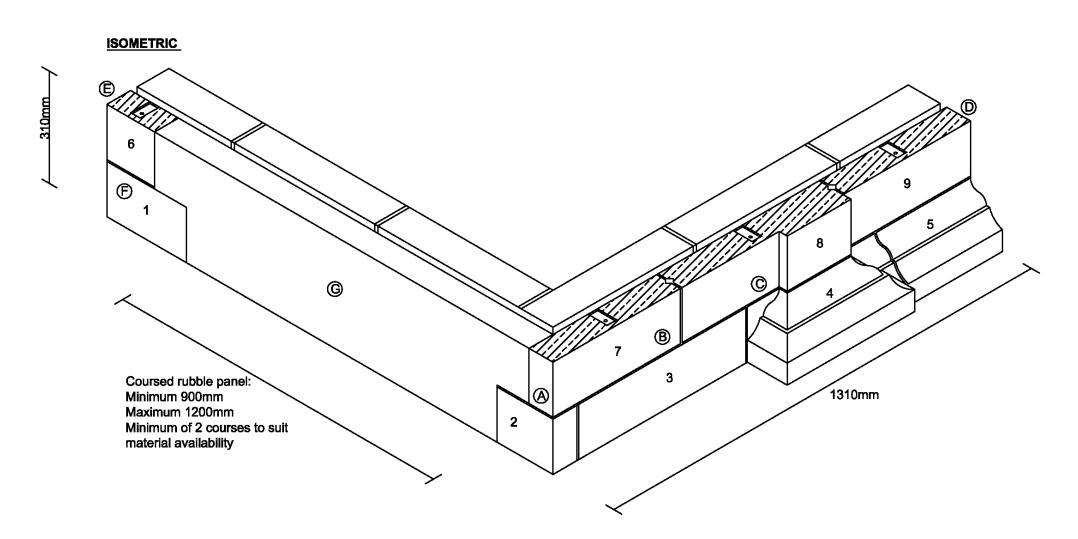


Figure 3: Isometric drawing



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