

# 6715-03 Level 3 Diploma in Stonemasonry

August 2014 Version 1.0

PRACTICAL TASK MANUAL

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## 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.

|                            |  |
|----------------------------|--|
| <b>Candidate signature</b> |  |
|----------------------------|--|

|                                        |  |        |  |
|----------------------------------------|--|--------|--|
| <b>Assessor name</b><br>(please print) |  | Signed |  |
|----------------------------------------|--|--------|--|

|      |  |
|------|--|
| Date |  |
|------|--|

# 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   |

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

### Unit 325 Setting out and templet making for complex stonemasonry components

| Task                                                            | Grade for task† | Points (graded tasks) |
|-----------------------------------------------------------------|-----------------|-----------------------|
| 1. Set out complex stonemasonry components                      | P / M / D / X   |                       |
| 2. Set out full size details for circular tracery window        | P / M / D / X   |                       |
| 3. Produce templets and moulds for circular tracery window      | P / M / D / X   |                       |
| Internally marked questions                                     | P / X           |                       |
| <b>Total</b>                                                    |                 |                       |
| Divide total points from graded tasks by number of graded tasks |                 | ÷3                    |
| Average =                                                       |                 |                       |
| <b>Overall grade</b><br>(see conversion chart)                  |                 |                       |

Assessor signature and date:

### Unit 326 Working complex stonemasonry components

| Task                                      | Grade for task† |
|-------------------------------------------|-----------------|
| 1. Work circular tracery window component | P / M / D / X   |
| Internally marked questions               | P / X           |
| <b>Overall grade</b>                      |                 |

Assessor signature and date:

## Unit 327 Fixing complex stonemasonry components

| Task                                                                  |                      | Grade for task† |
|-----------------------------------------------------------------------|----------------------|-----------------|
| 1. Set out and fix a circular tracery window into surrounding masonry |                      | P / M / D / X   |
| Internally marked questions                                           |                      | P / X           |
| Assessor signature and date:                                          | <b>Overall grade</b> |                 |
|                                                                       |                      |                 |

## Unit 328 Conservation and restoration techniques for architectural heritage

| Task                                                                 |                      | Grade for task† |
|----------------------------------------------------------------------|----------------------|-----------------|
| 1. Carry out conservation and restoration work on existing stonework |                      | P / M / D / X   |
| Internally marked questions                                          |                      | P / X           |
| Assessor signature and date:                                         | <b>Overall grade</b> |                 |
|                                                                      |                      |                 |

# Instructions to candidates

## About this document

This *Practical task manual* contains all of the practical assessment for the 6715-03 Level 3 Diploma in Stonemasonry.

## Practical tasks

These tasks let you show your practical skills and are usually graded pass, merit or distinction. 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 325 Setting out and templet making for complex stonemasonry components

## Task 1 Set out complex stonemasonry components

### Task coversheet

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Expected time</b>     | 11 hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Task instructions</b> | <p>In this task you will be required to:</p> <ul style="list-style-type: none"> <li>• <b>set out a rusticated four centred arch into surrounding masonry wall 2500 mm in length and 1500 mm high (1.5 hours)</b> <ul style="list-style-type: none"> <li>○ prepare A3 drawing page</li> <li>○ scale: 1:10</li> <li>○ span: 1500 mm</li> <li>○ rise: 650 mm</li> <li>○ extrados: +350 mm</li> <li>○ arch to be divided into at least eight equally-sized voussoirs plus keystone</li> <li>○ draw a section through keystone and adjacent masonry</li> </ul> </li> <li>• <b>set out a column using the diagonal method (1 hours)</b> <ul style="list-style-type: none"> <li>○ prepare A3 drawing page</li> <li>○ scale: 1:10</li> <li>○ base radius: 160 mm</li> <li>○ height: 2240 mm</li> <li>○ top radius: 120 mm</li> </ul> </li> <li>• <b>set out a column using the vertical method (1 hour)</b> <ul style="list-style-type: none"> <li>○ prepare A3 drawing page</li> <li>○ scale: 1:10</li> <li>○ base radius: 160 mm</li> <li>○ height: 2240 mm</li> <li>○ top radius: 120 mm</li> </ul> </li> <li>• <b>set out the spiral of an ionic volute (2 hours)</b> <ul style="list-style-type: none"> <li>○ prepare A3 drawing page</li> <li>○ scale: 1:1</li> <li>○ height: 200 mm</li> </ul> </li> <li>• <b>set out ramp and twist plinth with stoolings (3 hours)</b> <ul style="list-style-type: none"> <li>○ prepare A3 drawing page</li> <li>○ scale: 1:5</li> <li>○ 90° internal joint angle</li> </ul> </li> <li>• <b>set out ball finial (1.5 hours)</b> <ul style="list-style-type: none"> <li>○ prepare A3 drawing page</li> <li>○ scale: 1:1</li> </ul> </li> </ul> |
| <b>Diagrams</b>          | <p>Figure 1: Ramp and twist, see page 24<br/>           Figure 2: Ramp and twist section, see page 25<br/>           Figure 3: Ball finial, see page 26<br/>           Figure 4: Ball finial plan, see page 27</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Observation checklist

| AC  | The candidate has                                                                                                                     | Pass                                               | Merit                                              | Distinction                                        |
|-----|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| 2.1 | set out a rusticated four centred arch into surrounding masonry to include:                                                           |                                                    |                                                    |                                                    |
|     | <ul style="list-style-type: none"> <li>clean drawing page prepared with border, legend, title, scale, date, revision, name</li> </ul> | <input type="checkbox"/>                           |                                                    |                                                    |
|     | <ul style="list-style-type: none"> <li>accurate scaling</li> </ul>                                                                    | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|     | <ul style="list-style-type: none"> <li>accurately drawn arch, showing all construction lines</li> </ul>                               | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|     | <ul style="list-style-type: none"> <li>accurately set out voussoirs and keystone</li> </ul>                                           | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|     | <ul style="list-style-type: none"> <li>accurately drawn section showing rustication</li> </ul>                                        | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
| 2.2 | set out a column using the diagonal method to include:                                                                                |                                                    |                                                    |                                                    |
|     | <ul style="list-style-type: none"> <li>clean drawing page prepared with border, legend, title, scale, date, revision, name</li> </ul> | <input type="checkbox"/>                           |                                                    |                                                    |
|     | <ul style="list-style-type: none"> <li>accurate scaling</li> </ul>                                                                    | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|     | <ul style="list-style-type: none"> <li>accurate setting out for entasis</li> </ul>                                                    | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|     | <ul style="list-style-type: none"> <li>accurately drawn column</li> </ul>                                                             | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|     | set out a column using the vertical method to include:                                                                                |                                                    |                                                    |                                                    |
|     | <ul style="list-style-type: none"> <li>clean drawing page prepared with border, legend, title, scale, date, revision, name</li> </ul> | <input type="checkbox"/>                           |                                                    |                                                    |
|     | <ul style="list-style-type: none"> <li>accurate scaling</li> </ul>                                                                    | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |



| AC            | The candidate has                                                                                                                     | Pass                                               | Merit                                              | Distinction                                        |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
|               | <ul style="list-style-type: none"> <li>accurate setting out for entasis</li> </ul>                                                    | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|               | <ul style="list-style-type: none"> <li>accurately drawn column</li> </ul>                                                             | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
| 2.3           | set out the spiral of an Ionic volute to include:                                                                                     |                                                    |                                                    |                                                    |
|               | <ul style="list-style-type: none"> <li>clean drawing page prepared with border, legend, title, scale, date, revision, name</li> </ul> | <input type="checkbox"/>                           |                                                    |                                                    |
|               | <ul style="list-style-type: none"> <li>accurate setting out of Ionic volute, showing all construction lines</li> </ul>                | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|               | <ul style="list-style-type: none"> <li>accurately drawn Ionic volute</li> </ul>                                                       | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|               | <ul style="list-style-type: none"> <li>accurate dimensions</li> </ul>                                                                 | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
| 2.4, 2.9      | set out ramp and twist to include:                                                                                                    |                                                    |                                                    |                                                    |
|               | <ul style="list-style-type: none"> <li>clean drawing page prepared with border, legend, title, scale, date, revision, name</li> </ul> | <input type="checkbox"/>                           |                                                    |                                                    |
|               | <ul style="list-style-type: none"> <li>accurate scaling</li> </ul>                                                                    | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|               | <ul style="list-style-type: none"> <li>accurately drawn external face mould, showing construction lines and boning lines</li> </ul>   | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|               | <ul style="list-style-type: none"> <li>accurately drawn internal face mould, showing construction lines and boning lines</li> </ul>   | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|               | <ul style="list-style-type: none"> <li>accurately drawn top bed mould, showing construction lines and boning lines</li> </ul>         | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|               | <ul style="list-style-type: none"> <li>accurately drawn section, showing construction lines</li> </ul>                                | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
| 2.6, 2.7, 2.9 | set out ball finial to include:                                                                                                       |                                                    |                                                    |                                                    |
|               | <ul style="list-style-type: none"> <li>clean drawing page prepared with border, legend, title, scale, date, revision, name</li> </ul> | <input type="checkbox"/>                           |                                                    |                                                    |

| AC | The candidate has                                                                                                | Pass                                               | Merit                                              | Distinction                                        |
|----|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
|    | <ul style="list-style-type: none"> <li>accurately drawn ball, showing all construction lines</li> </ul>          | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|    | <ul style="list-style-type: none"> <li>accurately drawn final section, showing all construction lines</li> </ul> | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|    | <ul style="list-style-type: none"> <li>accurately drawn top bed mould showing all hidden detail</li> </ul>       | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|    | <ul style="list-style-type: none"> <li>accurate dimensions.</li> </ul>                                           | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |

| Task grading rules                                                                                                                                                                                                                                                                                                                                                                                               | Task grade: |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| To achieve a <b>pass</b> : <ul style="list-style-type: none"> <li><b>all</b> pass criteria must be met.</li> </ul>                                                                                                                                                                                                                                                                                               |             |
| To achieve a <b>merit</b> : <ul style="list-style-type: none"> <li>a minimum of <b>16/22</b> merit criteria must be met, and;</li> <li><b>all</b> the remaining criteria must be achieved to at least a pass standard, and;</li> <li>candidates must not exceed the expected task time by more than <b>50%</b>.</li> </ul>                                                                                       |             |
| To achieve a <b>distinction</b> : <ul style="list-style-type: none"> <li>a minimum of <b>16/22</b> distinction criteria must be met, and;</li> <li>the remaining graded criteria must be achieved to a merit standard, and;</li> <li><b>all</b> the non-graded criteria must be achieved to a pass standard, and;</li> <li>candidates must not exceed the expected task time by more than <b>25%</b>.</li> </ul> |             |
| <b>Assessor Name</b>                                                                                                                                                                                                                                                                                                                                                                                             |             |
| <b>Assessor Signature</b>                                                                                                                                                                                                                                                                                                                                                                                        |             |
| <b>Date</b>                                                                                                                                                                                                                                                                                                                                                                                                      |             |

## Unit 325 Setting out and templet making for complex stonemasonry components

### Task 2 Set out full size details for circular tracery window

#### Task coversheet

|                          |                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Expected time</b>     | 16 hours                                                                                                                                                                                                         |
| <b>Task instructions</b> | In this task you will be required to: <ul style="list-style-type: none"> <li>• interpret information from drawings</li> <li>• set out full size details from drawings</li> <li>• complete a job card.</li> </ul> |
| <b>Diagrams</b>          | Figure 5: Circular tracery window, see page 28                                                                                                                                                                   |

#### Observation checklist

| AC          | The candidate has                                                                                                                       | Pass                                               | Merit                                              | Distinction                                        |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| 2.5,<br>2.7 | set out circular tracery window, to include:                                                                                            |                                                    |                                                    |                                                    |
|             | <ul style="list-style-type: none"> <li>• clean drawing page prepared with border, legend, title, scale, date, revision, name</li> </ul> | <input type="checkbox"/>                           |                                                    |                                                    |
|             | <ul style="list-style-type: none"> <li>• face mould drawn showing construction lines</li> </ul>                                         | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|             | <ul style="list-style-type: none"> <li>• sections drawn showing construction lines</li> </ul>                                           | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|             | <ul style="list-style-type: none"> <li>• accurate dimensions</li> </ul>                                                                 | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|             | <ul style="list-style-type: none"> <li>• cavetto</li> </ul>                                                                             | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|             | <ul style="list-style-type: none"> <li>• cyma recta</li> </ul>                                                                          | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
| 2.10        | <ul style="list-style-type: none"> <li>• ballflowers</li> </ul>                                                                         | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |

| AC  | The candidate has                                                                  | Pass                                               | Merit                                              | Distinction                                        |
|-----|------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| 2.8 | <ul style="list-style-type: none"> <li>joggle drawn in correct location</li> </ul> | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
| 3.1 | completed a job card with required information and scale sketch.                   | <input type="checkbox"/>                           |                                                    |                                                    |

| Task grading rules                                                                                                                                                                                                                                                                                                                                                                                             | Task grade: |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| To achieve a <b>pass</b> : <ul style="list-style-type: none"> <li><b>all</b> pass criteria must be met.</li> </ul>                                                                                                                                                                                                                                                                                             |             |
| To achieve a <b>merit</b> : <ul style="list-style-type: none"> <li>a minimum of <b>5/7</b> merit criteria must be met, and;</li> <li><b>all</b> the remaining criteria must be achieved to at least a pass standard, and;</li> <li>candidates must not exceed the expected task time by more than <b>50%</b>.</li> </ul>                                                                                       |             |
| To achieve a <b>distinction</b> : <ul style="list-style-type: none"> <li>a minimum of <b>5/7</b> distinction criteria must be met, and;</li> <li>the remaining graded criteria must be achieved to a merit standard, and;</li> <li><b>all</b> the non-graded criteria must be achieved to a pass standard, and;</li> <li>candidates must not exceed the expected task time by more than <b>25%</b>.</li> </ul> |             |
| <b>Assessor Name</b>                                                                                                                                                                                                                                                                                                                                                                                           |             |
| <b>Assessor Signature</b>                                                                                                                                                                                                                                                                                                                                                                                      |             |
| <b>Date</b>                                                                                                                                                                                                                                                                                                                                                                                                    |             |

## Unit 325 Setting out and templet making for complex stonemasonry components

### Task 3 Produce templets and moulds for circular tracery window

#### Task coversheet

|                          |                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Expected time</b>     | 4 hours                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Task instructions</b> | <p>In this task you will be required to:</p> <ul style="list-style-type: none"> <li>• interpret information from a job card</li> <li>• complete a method statement and risk assessment</li> <li>• complete a resource checklist</li> <li>• transfer details from drawings</li> <li>• produce templets and moulds</li> <li>• keep a clean work area</li> <li>• work safely at all times.</li> </ul> |
| <b>Diagrams</b>          | Figure 5: Circular tracery window, see page 28                                                                                                                                                                                                                                                                                                                                                     |

#### Assessment criteria checklist

| AC                  | The candidate has                                                     | Pass                                                  | Merit                                                    | Distinction                                           |
|---------------------|-----------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------|
| 3.2                 | completed a method statement for making complex templets and moulds   | <input type="checkbox"/>                              |                                                          |                                                       |
| 3.3                 | completed a risk assessment for making complex templets and moulds    | <input type="checkbox"/>                              |                                                          |                                                       |
| 3.4,<br>3.5,<br>3.6 | completed a resource checklist for making complex templets and moulds | <input type="checkbox"/>                              |                                                          |                                                       |
| 3.7,<br>3.8         | produced zinc section square                                          | <input type="checkbox"/><br>Correct on<br>3rd attempt | <input type="checkbox"/><br>Correct on<br>2nd<br>attempt | <input type="checkbox"/><br>Correct on<br>1st attempt |
|                     | produced Zinc section to correct dimensions                           | <input type="checkbox"/><br>Correct on<br>3rd attempt | <input type="checkbox"/><br>Correct on<br>2nd<br>attempt | <input type="checkbox"/><br>Correct on<br>1st attempt |
|                     | produced section details in Zinc:                                     |                                                       |                                                          |                                                       |
|                     | <ul style="list-style-type: none"> <li>• cavetto</li> </ul>           | <input type="checkbox"/><br>Correct on<br>3rd attempt | <input type="checkbox"/><br>Correct on<br>2nd<br>attempt | <input type="checkbox"/><br>Correct on<br>1st attempt |
|                     | <ul style="list-style-type: none"> <li>• cyma recta</li> </ul>        | <input type="checkbox"/><br>Correct on<br>3rd attempt | <input type="checkbox"/><br>Correct on<br>2nd<br>attempt | <input type="checkbox"/><br>Correct on<br>1st attempt |

| AC  | The candidate has                                                                     | Pass                                               | Merit                                              | Distinction                                        |
|-----|---------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
|     | <ul style="list-style-type: none"> <li>ballflowers</li> </ul>                         | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|     | <ul style="list-style-type: none"> <li>joggle</li> </ul>                              | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|     | produced reverse for cavetto                                                          | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|     | produced reverse for cyma recta                                                       | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|     | produced plastic face mould square                                                    | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|     | produced plastic face mould to correct dimensions                                     | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|     | produced face mould details in:                                                       |                                                    |                                                    |                                                    |
|     | <ul style="list-style-type: none"> <li>section lines</li> </ul>                       | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|     | <ul style="list-style-type: none"> <li>mitre lines (external and internal)</li> </ul> | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|     | <ul style="list-style-type: none"> <li>joggle</li> </ul>                              | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|     | <ul style="list-style-type: none"> <li>cusps</li> </ul>                               | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|     | <ul style="list-style-type: none"> <li>deadeyes to correct depth</li> </ul>           | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
| 3.9 | annotated templates with necessary information on the:                                |                                                    |                                                    |                                                    |
|     | <ul style="list-style-type: none"> <li>section</li> </ul>                             | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |

| AC                             | The candidate has                                                         | Pass                                               | Merit                                              | Distinction                                        |
|--------------------------------|---------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
|                                | <ul style="list-style-type: none"> <li>reverses</li> </ul>                | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
|                                | <ul style="list-style-type: none"> <li>face mould</li> </ul>              | <input type="checkbox"/><br>Correct on 3rd attempt | <input type="checkbox"/><br>Correct on 2nd attempt | <input type="checkbox"/><br>Correct on 1st attempt |
| 3.10                           | stored templets correctly while not in use                                | <input type="checkbox"/>                           |                                                    |                                                    |
| 3.4,<br>3.11,<br>3.12,<br>3.13 | disposed of waste materials appropriately                                 | <input type="checkbox"/>                           |                                                    |                                                    |
|                                | followed current environmental and relevant health and safety regulations | <input type="checkbox"/>                           |                                                    |                                                    |
|                                | used tools, equipment and materials in a safe manner                      | <input type="checkbox"/>                           |                                                    |                                                    |
|                                | used and maintained PPE as appropriate                                    | <input type="checkbox"/>                           |                                                    |                                                    |
|                                | maintained a clean and safe working area                                  | <input type="checkbox"/>                           |                                                    |                                                    |
|                                | cleaned and returned all tools and equipment once the task is complete.   | <input type="checkbox"/>                           |                                                    |                                                    |

| Task grading rules                                                                                                                                                                                                                                                                                                                                                                                                       | Task grade: |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| To achieve a <b>pass</b> : <ul style="list-style-type: none"> <li>• <b>all</b> pass criteria must be met.</li> </ul>                                                                                                                                                                                                                                                                                                     |             |
| To achieve a <b>merit</b> : <ul style="list-style-type: none"> <li>• a minimum of <b>13/18</b> merit criteria must be met, and;</li> <li>• <b>all</b> the remaining criteria must be achieved to at least a pass standard, and;</li> <li>• candidates must not exceed the expected task time by more than <b>50%</b>.</li> </ul>                                                                                         |             |
| To achieve a <b>distinction</b> : <ul style="list-style-type: none"> <li>• a minimum of <b>13/18</b> distinction criteria must be met, and;</li> <li>• the remaining graded criteria must be achieved to a merit standard, and;</li> <li>• <b>all</b> the non-graded criteria must be achieved to a pass standard, and;</li> <li>• candidates must not exceed the expected task time by more than <b>25%</b>.</li> </ul> |             |
| <b>Assessor Name</b>                                                                                                                                                                                                                                                                                                                                                                                                     |             |
| <b>Assessor Signature</b>                                                                                                                                                                                                                                                                                                                                                                                                |             |
| <b>Date</b>                                                                                                                                                                                                                                                                                                                                                                                                              |             |



# Unit 326 Working complex stonemasonry components

## Task 1 Work circular tracery window component

### Task coversheet

|                          |                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Expected time</b>     | Between 35 and 45 hours (dependant on stone type and natural variations).                                                                                                                                                                                                                                                                                                                    |
| <b>Task instructions</b> | <p>In this task you will be required to:</p> <ul style="list-style-type: none"> <li>• interpret information from a job card, drawings and templets</li> <li>• complete a method statement and risk assessment</li> <li>• complete a resource checklist</li> <li>• work a circular tracery window component</li> <li>• keep a clean work area</li> <li>• work safely at all times.</li> </ul> |
| <b>Diagrams</b>          | Figure 5: Circular tracery window, see page 28                                                                                                                                                                                                                                                                                                                                               |

### Observation checklist

| AC            | The candidate has                                                                                                           | Pass                     | Merit | Distinction |
|---------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------|-------|-------------|
| 2.1           | interpreted information from a job card, drawings and specifications                                                        | <input type="checkbox"/> |       |             |
| 2.2           | completed a risk assessment for working a circular tracery window component                                                 | <input type="checkbox"/> |       |             |
| 2.3           | completed a method statement for working a circular tracery window component                                                | <input type="checkbox"/> |       |             |
| 2.4, 2.5, 2.6 | completed a resource checklist                                                                                              | <input type="checkbox"/> |       |             |
| 2.5           | selected a stone as specified by assessor                                                                                   | <input type="checkbox"/> |       |             |
| 2.7           | ensured the stone is true, out of twist, square and of correct dimensions ( $\pm 1$ mm over 300 mm)                         | <input type="checkbox"/> |       |             |
| 2.6, 2.7      | where applicable, identified any faults in the stone and recorded on the resource checklist and/or reported to the assessor | <input type="checkbox"/> |       |             |
| 2.8, 2.10     | marked up the stone from templets                                                                                           | <input type="checkbox"/> |       |             |
|               | run lines through with pencil and scribe where appropriate                                                                  | <input type="checkbox"/> |       |             |
|               | worked face mould to include:                                                                                               |                          |       |             |
|               | • position of joints ( $\pm 1$ mm)                                                                                          | <input type="checkbox"/> |       |             |
|               | • joints square to face ( $\pm 1$ mm)                                                                                       | <input type="checkbox"/> |       |             |
|               | • outer curve ( $\pm 1$ mm)                                                                                                 | <input type="checkbox"/> |       |             |

| AC                    | The candidate has                                                                                                      | Pass                                                  | Merit                                                | Distinction                                      |
|-----------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------|--------------------------------------------------|
|                       | <ul style="list-style-type: none"> <li>foils</li> </ul>                                                                | <input type="checkbox"/><br>No more than 2 errors     | <input type="checkbox"/><br>No more than 1 error     | <input type="checkbox"/><br>No errors            |
|                       | sunk rebate to face of tracery                                                                                         | <input type="checkbox"/><br>No more than 2 errors     | <input type="checkbox"/><br>No more than 1 error     | <input type="checkbox"/><br>No errors            |
|                       | cut worked details to include:                                                                                         |                                                       |                                                      |                                                  |
|                       | <ul style="list-style-type: none"> <li>cavetto</li> </ul>                                                              | <input type="checkbox"/><br>No more than 3 errors     | <input type="checkbox"/><br>No more than 2 errors    | <input type="checkbox"/><br>No more than 1 error |
|                       | <ul style="list-style-type: none"> <li>cyma recta</li> </ul>                                                           | <input type="checkbox"/><br>No more than 2 errors     | <input type="checkbox"/><br>No more than 1 error     | <input type="checkbox"/><br>No errors            |
|                       | <ul style="list-style-type: none"> <li>correct depth from tracery nose to cusp nose (<math>\pm 1</math> mm)</li> </ul> | <input type="checkbox"/>                              |                                                      |                                                  |
|                       | <ul style="list-style-type: none"> <li>cusps noses</li> </ul>                                                          | <input type="checkbox"/><br>No more than 2 errors     | <input type="checkbox"/><br>No more than 1 error     | <input type="checkbox"/><br>No errors            |
|                       | <ul style="list-style-type: none"> <li>deadeyes</li> </ul>                                                             | <input type="checkbox"/><br>No more than 2 errors     | <input type="checkbox"/><br>No more than 1 error     | <input type="checkbox"/><br>No errors            |
|                       | <ul style="list-style-type: none"> <li>tracery nose</li> </ul>                                                         | <input type="checkbox"/><br>No more than 2 errors     | <input type="checkbox"/><br>No more than 1 error     | <input type="checkbox"/><br>No errors            |
|                       | <ul style="list-style-type: none"> <li>position of joggle (<math>\pm 1</math> mm)</li> </ul>                           | <input type="checkbox"/>                              |                                                      |                                                  |
| 2.9                   | produced a rubbed surface finish to all visible surfaces (excluding ballflowers)                                       | <input type="checkbox"/><br>No more than 2 tool marks | <input type="checkbox"/><br>No more than 1 tool mark | <input type="checkbox"/><br>No tool marks        |
| 2.4, 2.11, 2.12, 2.13 | followed current environmental and relevant health and safety regulations                                              | <input type="checkbox"/>                              |                                                      |                                                  |
|                       | used tools, equipment and materials in a safe manner                                                                   | <input type="checkbox"/>                              |                                                      |                                                  |
|                       | used and maintained PPE as appropriate                                                                                 | <input type="checkbox"/>                              |                                                      |                                                  |
|                       | maintained a clean and safe working area                                                                               | <input type="checkbox"/>                              |                                                      |                                                  |
|                       | cleaned and returned all tools and equipment once the task is complete.                                                | <input type="checkbox"/>                              |                                                      |                                                  |

| Task grading rules                                                                                                                                                                                                                                                                                                                                                                                                     | Task grade: |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| To achieve a <b>pass</b> : <ul style="list-style-type: none"> <li>• <b>all</b> pass criteria must be met.</li> </ul>                                                                                                                                                                                                                                                                                                   |             |
| To achieve a <b>merit</b> : <ul style="list-style-type: none"> <li>• a minimum of <b>6/8</b> merit criteria must be met, and;</li> <li>• <b>all</b> the remaining criteria must be achieved to at least a pass standard, and;</li> <li>• candidates must not exceed the expected task time by more than <b>50%</b>.</li> </ul>                                                                                         |             |
| To achieve a <b>distinction</b> : <ul style="list-style-type: none"> <li>• a minimum of <b>6/8</b> distinction criteria must be met, and;</li> <li>• the remaining graded criteria must be achieved to a merit standard, and;</li> <li>• <b>all</b> the non-graded criteria must be achieved to a pass standard, and;</li> <li>• candidates must not exceed the expected task time by more than <b>25%</b>.</li> </ul> |             |
| <b>Assessor Name</b>                                                                                                                                                                                                                                                                                                                                                                                                   |             |
| <b>Assessor Signature</b>                                                                                                                                                                                                                                                                                                                                                                                              |             |
| <b>Date</b>                                                                                                                                                                                                                                                                                                                                                                                                            |             |

# Unit 327 Fixing complex stonemasonry components

## Task 1 Set out and fix a circular tracery window into surrounding masonry

### Task coversheet

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Expected time</b>     | 4 hours                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Task instructions</b> | <p>In this task you will be required to:</p> <ul style="list-style-type: none"> <li>• interpret information from documents</li> <li>• complete a method statement and risk assessment</li> <li>• complete a resource checklist</li> <li>• set out for fixing a circular tracery window into surrounding masonry</li> <li>• fix a circular tracery window into surrounding masonry</li> <li>• keep a clean work area</li> <li>• work safely at all times.</li> </ul> |
| <b>Diagrams</b>          | Figure 5: Circular tracery window, see page 28                                                                                                                                                                                                                                                                                                                                                                                                                      |

### Observation checklist

| AC                          | The candidate has                                                                                                                                | Pass                               | Merit                              | Distinction                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| 2.1,<br>4.1,<br>6.1         | interpreted drawings, specifications and manufacturer's documentation required for fixing stone on site, and confirmed understanding of the task | <input type="checkbox"/>           |                                    |                                    |
| 2.2                         | completed a risk assessment for fixing stonemasonry components                                                                                   | <input type="checkbox"/>           |                                    |                                    |
| 2.3                         | completed a method statement for fixing stonemasonry components                                                                                  | <input type="checkbox"/>           |                                    |                                    |
| 2.5,<br>2.6,<br>2.7,<br>4.2 | completed a resource checklist                                                                                                                   | <input type="checkbox"/>           |                                    |                                    |
| 4.3,<br>4.4,<br>4.5,        | gauged and mixed mortar for fixing circular tracery window                                                                                       | <input type="checkbox"/>           |                                    |                                    |
| 4.6,<br>6.2,<br>6.3,<br>6.4 | set out and positioned first stone                                                                                                               | <input type="checkbox"/><br>± 2 mm | <input type="checkbox"/><br>± 1 mm | <input type="checkbox"/><br>± 0 mm |
|                             | fixed circular tracery window to plane                                                                                                           | <input type="checkbox"/><br>± 2 mm | <input type="checkbox"/><br>± 1 mm | <input type="checkbox"/><br>± 0 mm |
|                             | fixed circular tracery window to plumb and level                                                                                                 | <input type="checkbox"/><br>± 2 mm | <input type="checkbox"/><br>± 1 mm | <input type="checkbox"/><br>± 0 mm |
|                             | applied even joints to circular tracery window                                                                                                   | <input type="checkbox"/>           |                                    |                                    |
|                             | ensured span of circular tracery window is correct                                                                                               | <input type="checkbox"/>           |                                    |                                    |
| 2.4                         | completed a time sheet for fixing the circular tracery window                                                                                    | <input type="checkbox"/>           |                                    |                                    |

| AC                                  | The candidate has                                                         | Pass                     | Merit | Distinction |
|-------------------------------------|---------------------------------------------------------------------------|--------------------------|-------|-------------|
| 2.8,<br>4.7,<br>6.5,<br>6.6,<br>6.7 | followed current environmental and relevant health and safety regulations | <input type="checkbox"/> |       |             |
|                                     | used tools, equipment and materials in a safe manner                      | <input type="checkbox"/> |       |             |
|                                     | used and maintained PPE as appropriate                                    | <input type="checkbox"/> |       |             |
|                                     | maintained a clean and safe working area                                  | <input type="checkbox"/> |       |             |
|                                     | cleaned and returned all tools and equipment once the task is complete.   | <input type="checkbox"/> |       |             |

| Task grading rules                                                                                                                                                                                                                                                                                                                  | Task grade: |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <p>To achieve a <b>pass</b>:</p> <ul style="list-style-type: none"> <li>• <b>all</b> pass criteria must be met.</li> </ul>                                                                                                                                                                                                          |             |
| <p>To achieve a <b>merit</b>:</p> <ul style="list-style-type: none"> <li>• <b>all</b> merit criteria must be met, and;</li> <li>• <b>all</b> the remaining criteria must be achieved to at least a pass standard, and;</li> <li>• candidates must not exceed the expected task time by more than <b>50%</b>.</li> </ul>             |             |
| <p>To achieve a <b>distinction</b>:</p> <ul style="list-style-type: none"> <li>• <b>all</b> distinction criteria must be met, and;</li> <li>• <b>all</b> the remaining criteria must be achieved to at least a pass standard, and;</li> <li>• candidates must not exceed the expected task time by more than <b>25%</b>.</li> </ul> |             |
| <b>Assessor Name</b>                                                                                                                                                                                                                                                                                                                |             |
| <b>Assessor Signature</b>                                                                                                                                                                                                                                                                                                           |             |
| <b>Date</b>                                                                                                                                                                                                                                                                                                                         |             |

## Unit 328 Conservation and restoration techniques for architectural heritage

### Task 1 Carry out conservation and restoration work on existing stonework

#### Task coversheet

|                          |                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Expected time</b>     | 16 hours                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Task instructions</b> | <p>In this task you will be required to:</p> <ul style="list-style-type: none"> <li>• complete a method statement and risk assessment</li> <li>• complete a resource checklist</li> <li>• carry out a survey</li> <li>• complete mortar repair, full stone replacement and indent repair</li> <li>• keep a clean work area</li> <li>• work safely at all times.</li> </ul> |
| <b>Diagrams</b>          | n/a                                                                                                                                                                                                                                                                                                                                                                        |

#### Observation checklist

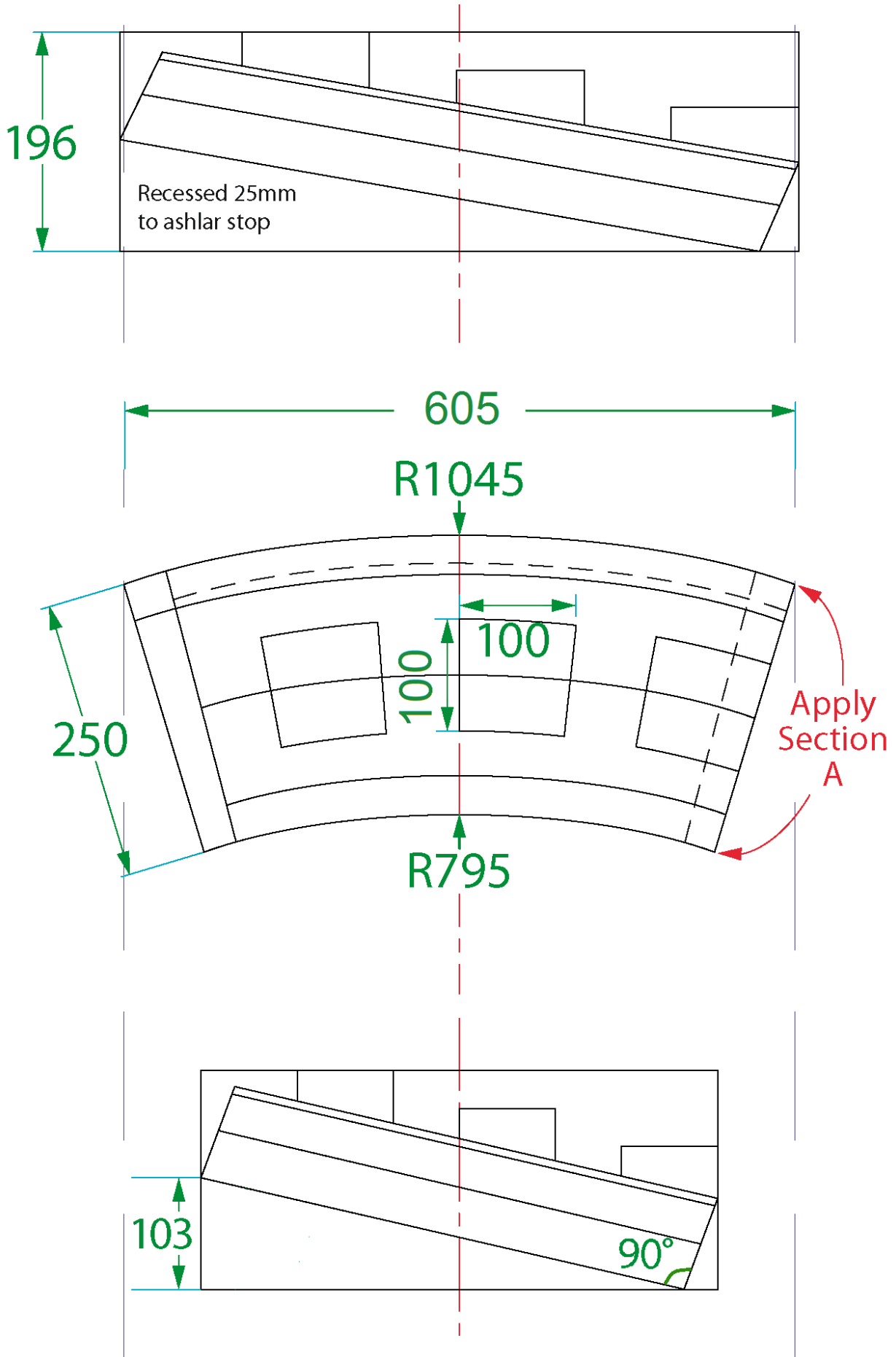
| AC                  | The candidate has                                                                                | Pass                               | Merit                              | Distinction                        |
|---------------------|--------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| 2.1,<br>2.2,<br>2.3 | completed survey document                                                                        | <input type="checkbox"/>           |                                    |                                    |
| 4.1                 | completed a method statement for conservation and restoration work                               | <input type="checkbox"/>           |                                    |                                    |
| 4.2                 | completed a risk assessment for conservation and restoration work                                | <input type="checkbox"/>           |                                    |                                    |
| 4.3,<br>4.4         | completed a resource checklist                                                                   | <input type="checkbox"/>           |                                    |                                    |
| 4.7                 | carried out mortar repair on either an ovolo, cavetto, cyma recta or cyma reversa to:            |                                    |                                    |                                    |
|                     | <ul style="list-style-type: none"> <li>• fit profile of moulding</li> </ul>                      | <input type="checkbox"/><br>± 2 mm | <input type="checkbox"/><br>± 1 mm | <input type="checkbox"/><br>± 0 mm |
|                     | <ul style="list-style-type: none"> <li>• match existing colour</li> </ul>                        | <input type="checkbox"/>           |                                    |                                    |
|                     | <ul style="list-style-type: none"> <li>• match existing finish</li> </ul>                        | <input type="checkbox"/>           |                                    |                                    |
| 4.8                 | carried out a full stone replacement of a wall, to include:                                      |                                    |                                    |                                    |
|                     | <ul style="list-style-type: none"> <li>• accurately cut out damaged stone</li> </ul>             | <input type="checkbox"/><br>± 2 mm | <input type="checkbox"/><br>± 1 mm | <input type="checkbox"/><br>± 0 mm |
|                     | <ul style="list-style-type: none"> <li>• accurately produced new stone</li> </ul>                | <input type="checkbox"/><br>± 2 mm | <input type="checkbox"/><br>± 1 mm | <input type="checkbox"/><br>± 0 mm |
|                     | <ul style="list-style-type: none"> <li>• gauged and mixed mortar for fixing new stone</li> </ul> | <input type="checkbox"/>           |                                    |                                    |

| AC            | The candidate has                                                                                 | Pass                               | Merit                              | Distinction                        |
|---------------|---------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------|------------------------------------|
|               | <ul style="list-style-type: none"> <li>accurately fixed new stone</li> </ul>                      | <input type="checkbox"/><br>± 2 mm | <input type="checkbox"/><br>± 1 mm | <input type="checkbox"/><br>± 0 mm |
|               | <ul style="list-style-type: none"> <li>pointed new stone to match existing joints</li> </ul>      | <input type="checkbox"/>           |                                    |                                    |
| 4.5, 4.6, 4.9 | carried out an indent repair on either an ovolo, cavetto, cyma recta or cyma reversa, to include: |                                    |                                    |                                    |
|               | <ul style="list-style-type: none"> <li>accurately cut out damaged stone</li> </ul>                | <input type="checkbox"/><br>± 3 mm | <input type="checkbox"/><br>± 2 mm | <input type="checkbox"/><br>± 1 mm |
|               | <ul style="list-style-type: none"> <li>accurately worked new indent</li> </ul>                    | <input type="checkbox"/><br>± 3 mm | <input type="checkbox"/><br>± 2 mm | <input type="checkbox"/><br>± 1 mm |
|               | <ul style="list-style-type: none"> <li>accurately fixed new indent</li> </ul>                     | <input type="checkbox"/><br>± 3 mm | <input type="checkbox"/><br>± 2 mm | <input type="checkbox"/><br>± 1 mm |
|               | <ul style="list-style-type: none"> <li>accurately trimmed indent</li> </ul>                       | <input type="checkbox"/><br>± 3 mm | <input type="checkbox"/><br>± 2 mm | <input type="checkbox"/><br>± 1 mm |
| 4.10          | protected and tended work repair work to prevent damage or deterioration                          | <input type="checkbox"/>           |                                    |                                    |
| 4.11          | protected surrounding areas during conservation and restoration work                              | <input type="checkbox"/>           |                                    |                                    |
| 4.3, 4.12     | followed current environmental and relevant health and safety regulations                         | <input type="checkbox"/>           |                                    |                                    |
|               | used tools, equipment and materials in a safe manner                                              | <input type="checkbox"/>           |                                    |                                    |
|               | used and maintained PPE as appropriate                                                            | <input type="checkbox"/>           |                                    |                                    |
|               | maintained a clean and safe working area                                                          | <input type="checkbox"/>           |                                    |                                    |
|               | cleaned and returned all tools and equipment once the task is complete.                           | <input type="checkbox"/>           |                                    |                                    |

| Task grading rules                                                                                                                                                                                                                                                                                                                                                                                                     | Task grade: |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| To achieve a <b>pass</b> : <ul style="list-style-type: none"> <li>• <b>all</b> pass criteria must be met.</li> </ul>                                                                                                                                                                                                                                                                                                   |             |
| To achieve a <b>merit</b> : <ul style="list-style-type: none"> <li>• a minimum of <b>6/8</b> merit criteria must be met, and;</li> <li>• <b>all</b> the remaining criteria must be achieved to at least a pass standard, and;</li> <li>• candidates must not exceed the expected task time by more than <b>50%</b>.</li> </ul>                                                                                         |             |
| To achieve a <b>distinction</b> : <ul style="list-style-type: none"> <li>• a minimum of <b>6/8</b> distinction criteria must be met, and;</li> <li>• the remaining graded criteria must be achieved to a merit standard, and;</li> <li>• <b>all</b> the non-graded criteria must be achieved to a pass standard, and;</li> <li>• candidates must not exceed the expected task time by more than <b>25%</b>.</li> </ul> |             |
| <b>Assessor Name</b>                                                                                                                                                                                                                                                                                                                                                                                                   |             |
| <b>Assessor Signature</b>                                                                                                                                                                                                                                                                                                                                                                                              |             |
| <b>Date</b>                                                                                                                                                                                                                                                                                                                                                                                                            |             |

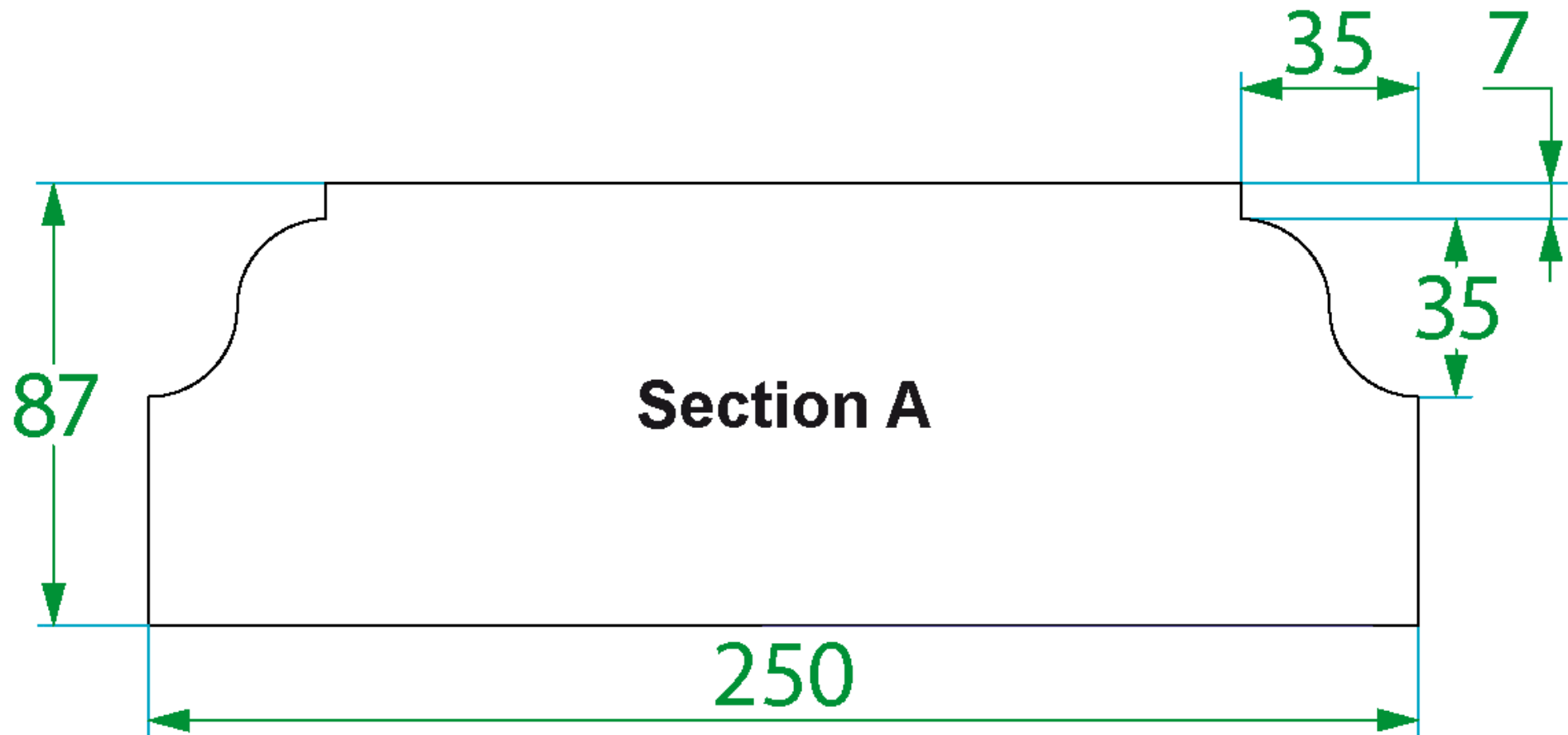


Drawings and diagrams  
Figure 1: Ramp and twist

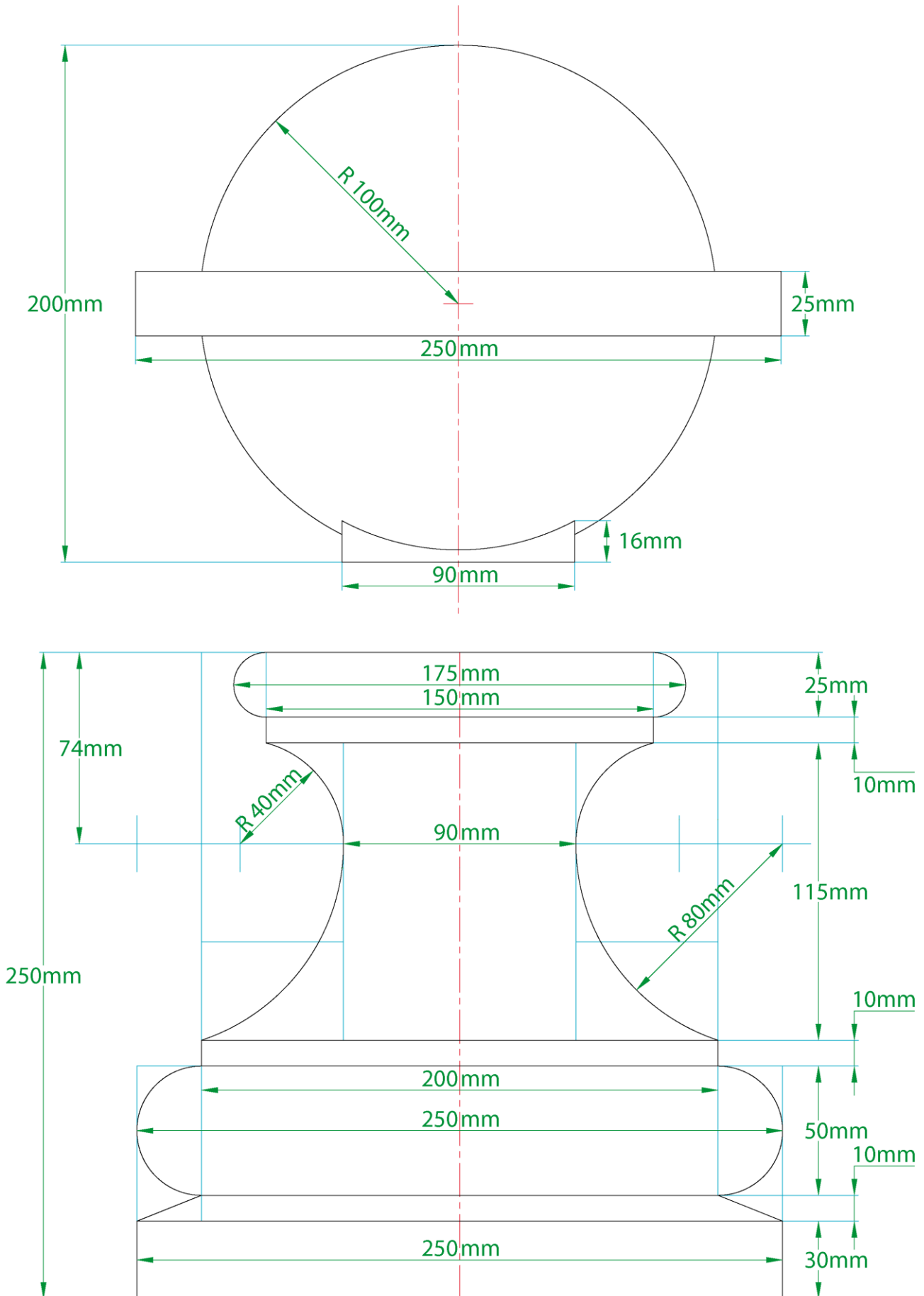


Drawings and diagrams

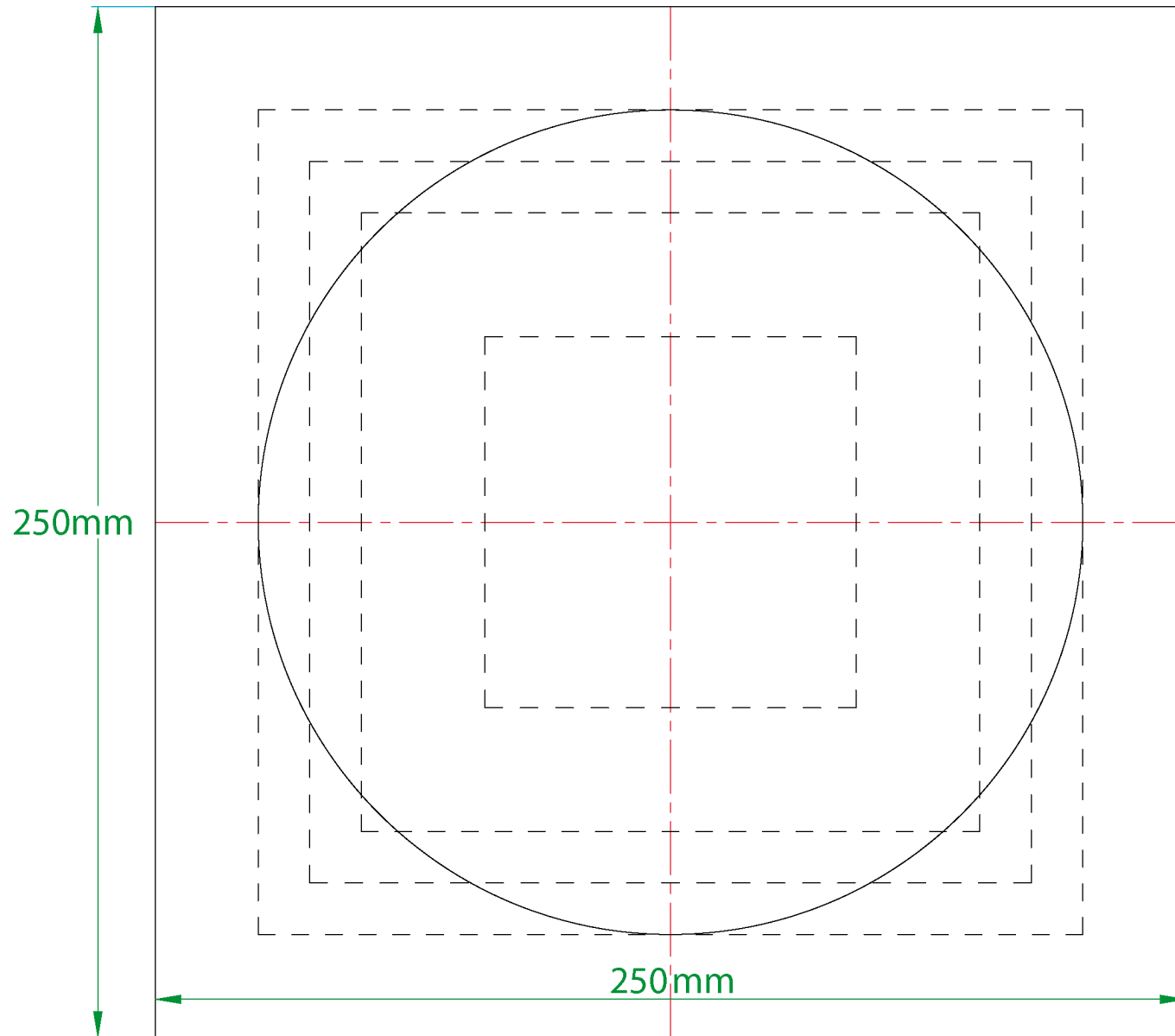
Figure 2: Ramp and twist section



Drawings and diagrams  
**Figure 3: Ball finial**



Drawings and diagrams  
Figure 4: Ball finial plan

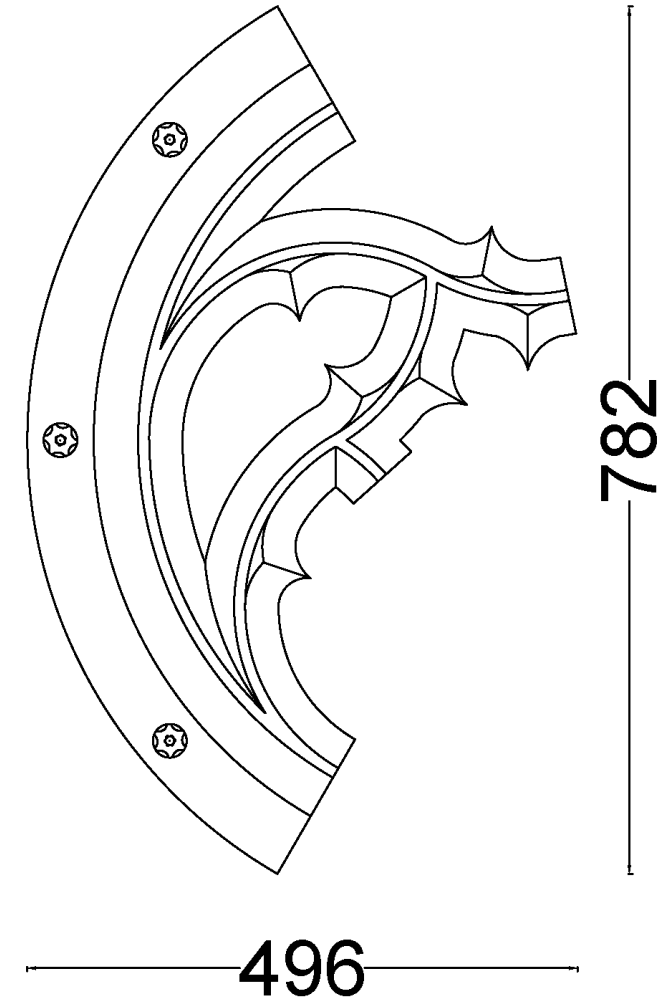
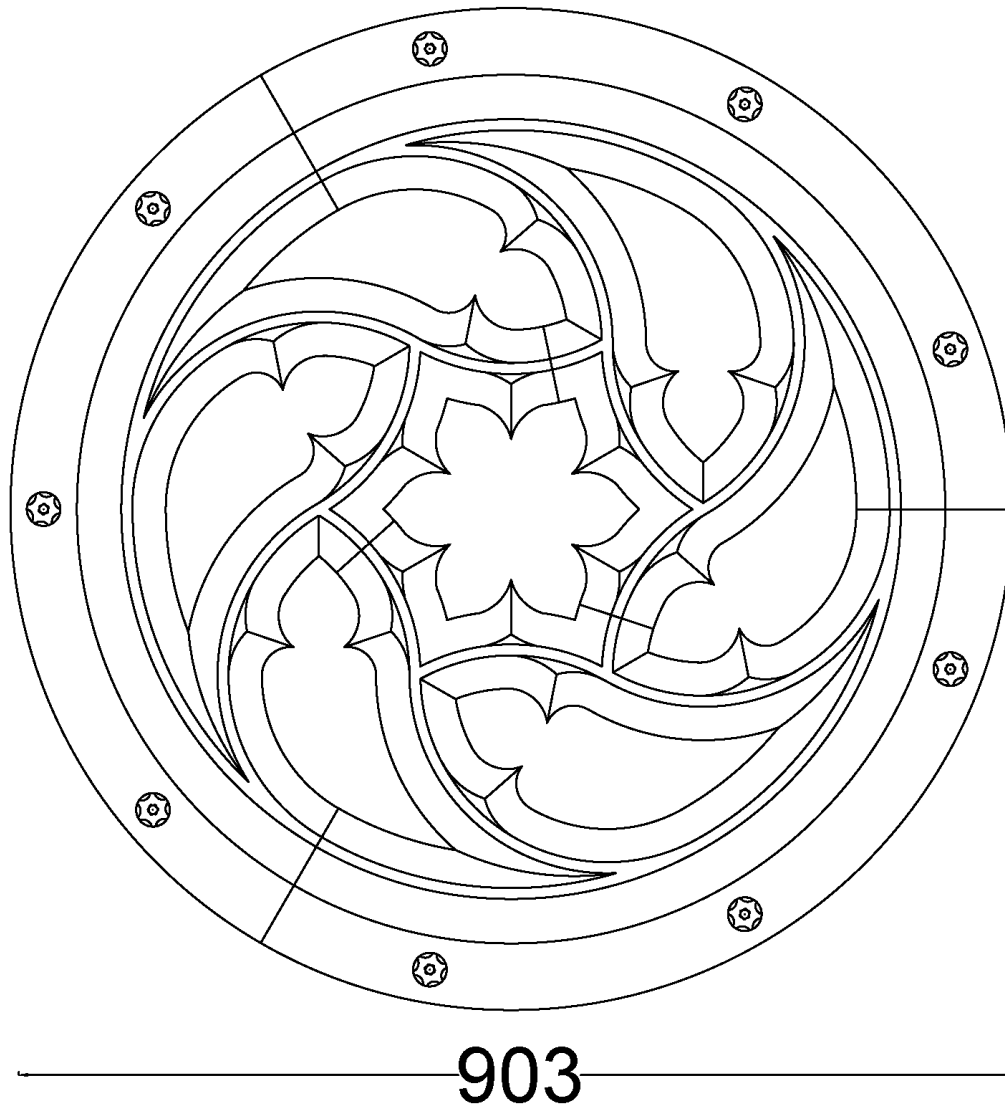
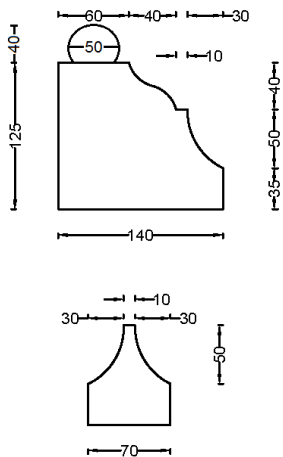


## Drawings and diagrams

### Figure 5: Circular tracery window

#### Specifications

- Stone type dependant on locality and availability
- Mortar mix dependent on locality, availability and stone type
- Jointing (for tracery window): flush finish, 3 mm
- Jointing (for surrounding masonry): ashlar 3mm; rubble with appropriate joint size



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