<table>
<thead>
<tr>
<th><strong>Trade of Sheet Metalwork</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Module 2:</strong> Geometry and Pattern Development</td>
</tr>
<tr>
<td><strong>Unit 12:</strong> Unequal Diameter Tee-pieces</td>
</tr>
<tr>
<td><strong>Phase 2</strong></td>
</tr>
</tbody>
</table>
Table of Contents

List of Figures .................................................................................................................... 3
List of Tables ..................................................................................................................... 3
Document Release History ............................................................................................... 4
Module 2 – Geometry and Pattern Development ........................................................... 5
Unit 12 – Unequal Diameter Tee-pieces ......................................................................... 5
Learning Outcome: ........................................................................................................ 5
Key Learning Points: ....................................................................................................... 5
Training Resources: ....................................................................................................... 5
Exercise: ........................................................................................................................... 5
Key Learning Points Code: ............................................................................................ 5
Self Assessment ................................................................................................................ 7
Index ................................................................................................................................... 8

List of Figures

Figure 1 - Parallel Line Method.......................................................................................... 6

List of Tables
## Document Release History

<table>
<thead>
<tr>
<th>Date</th>
<th>Version</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>02/08/06</td>
<td>First draft</td>
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<tr>
<td>07/04/14</td>
<td>2.0</td>
<td>SOLAS transfer</td>
</tr>
</tbody>
</table>
Module 2 – Geometry and Pattern Development

Unit 12 – Unequal Diameter Tee-pieces

Duration – 8 Hours

Learning Outcome:

By the end of this unit each apprentice will be able to:

- Construct side elevations
- Project end elevations
- Determine joint lines
- Develop the patterns including all allowances

Key Learning Points:

| D | Layout unequal branches in round, square, rectangle and diagonal square |
| D | Endview projection. |
| D | Construct development lines. |
| D | Location of line joints. |
| D | Pattern development. |
| D | True shapes of holes of intersection. |
| D | Determination of lines of intersection. |

Training Resources:

- Drawing instruments, equipment and materials
- Textbook: The Geometry of Sheet Metalwork
- Instructor handouts, drawings

Exercise:

Sample exercise - Figure 1.

Key Learning Points Code:

M = Maths    D = Drawing    RK = Related Knowledge    Sc = Science
P = Personal Skills    Sk = Skill    H = Hazards
Figure 1 - Parallel Line Method
Self Assessment
Index