

Virginia Ship Repair Association, Inc.

**BLUEPRINT READING
&
TECHNICAL DRAWING**

**Norfolk Workforce Development Center
Instructor: Charlie Cherry**

COURSE OUTLINE:

Day One 0800- 1600

1. Check in and receive drafting equipment.
2. Course outline
3. Pass out notebooks
4. Introduce basic geometry, line drawing, circles, hexagons, squares, and triangles.
5. Discuss parts of a drawing.
6. Quiz and Homework assignment
7. Reading a rule
8. Worksheets # 1, 2
9. How to read a Rule (homework)

Day 2 0800- 1600

1. Line lecture
2. Print Reading (Blocks and Views)
3. Classroom Assignments
4. Quiz
5. Section Views
6. Quiz
7. Tolerances
8. Quiz

Day 3 0800- 1600

Welding Symbols

1. Introduction
2. Weld Joint I.D. & Types of Welds
3. Parts of a Weld
4. Welding symbols
5. Brazing Processes & Symbols
6. Nondestructive Testing Symbols
7. Quiz
8. Welding Symbol Worksheet
9. Interpreting Weld Symbols

Day 4 0800- 1600

1. Plate and Angle Thicknesses
2. Classroom Assignments
3. Reading Drawings
4. Technical Terms and Definitions
5. Technical Terms and Definitions Exercise
6. Drawing Exercises
7. Review
8. Final Examination