Alma High School Welding Lab

AWS SENSE LEVEL I—ENTRY WELDER

TRAINING ACHIEVEMENT RECORD

Student Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date Entered Training\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Address\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Phone #\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Performance Date Instructor’s Trainee’s

Module Rating Completed Initials Initials

1. Occupational Orientation

1. Prepares time or job cards, reports or records. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

2. Performs house keeping duties. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

3. Follows verbal instructions to complete work assignments. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

4. Follows written instructions to complete work assignments. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

2. Safety and Health of Welders

1. Demonstrates proper use and inspection of Personal Protection Equipment (PPE). \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

2. Demonstrates proper safe operation practices in the work area. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

3. Demonstrates proper use and inspection of ventilation equipment. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

4. Demonstrates proper Hot Zone operation. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

5. Demonstrates proper work actions for working in confined spaces. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

6. Demonstrates proper use of precautionary labeling and MSDS information. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

7. Demonstrates proper inspection and operation of equipment used for each required \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

welding and thermal cutting process. (This is best done as a part of the process

module/unit for each of the required welding and thermal cutting processes.)

3. Drawing and Welding Symbol Interpretation

1. Interprets basic elements of a drawing or sketch. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

2. Interprets welding symbols information. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

3. Fabricates parts from a drawing or sketch \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

Performance Date Instructor’s Trainee’s

Module Rating Completed Initials Initials

4. Shielded Metal Arc Welding

1. Performs safety inspections of SMAW equipment and accessories. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

2. Makes minor external repairs to SMAW equipment and accessories. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

3. Sets up for SMAW operations on carbon steel. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

4. Operates SMAW equipment on carbon steel. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

5. Makes fillet welds in all positions on carbon steel. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

6. Makes groove welds in all positions on carbon steel. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

7. Passes SMAW welder performance qualification test (2G and 3G, uphill, limited \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

thickness test plates) on carbon steel.

5. Gas Metal Arc Welding

1. Performs safety inspections of GMAW equipment and accessories. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

2. Makes minor external repairs to GMAW equipment and accessories. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

*Short Circuiting Transfer*

3. Sets up for GMAW-S operations on carbon steel. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

4. Operates GMAW-S equipment on carbon steel. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

5. Makes fillet welds in all positions on carbon steel. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

6. Makes groove welds in all positions on carbon steel. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

7. Passes GMAW-S welder performance qualification test on carbon steel. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

*Spray Transfer*

8. Sets up for GMAW (spray) operations on carbon steel. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

9. Operates GMAW (spray) equipment on carbon steel. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

10. Makes fillet welds in the 1F and 2F positions on carbon steel. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

11. Makes groove welds in the 1G position on carbon steel. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

12. Passes GMAW (spray) welder performance qualification test on carbon steel. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

6. Flux Cored Arc Welding

1. Performs safety inspections of FCAW equipment and accessories. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

2. Makes minor external repairs to FCAW equipment and accessories. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

*Gas Shielded*

3. Sets up for FCAW-G/GM operations on carbon steel. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

4. Operates FCAW-G/GM equipment on carbon steel. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

5. Makes fillet welds in all positions on carbon steel. \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_

Performance Date Instructor’s Trainee’s

Module Rating Completed Initials Initials

6. Makes groove welds in all positions on carbon steel.

7. Passes FCAW-G/GM welder performance qualification test on carbon steel.

*Self-Shielded*

8. Sets up for FCAW-S operations on carbon steel.

9. Operates FCAW-S equipment on carbon steel.

10. Makes fillet welds in all positions on carbon steel.

11. Makes groove welds in all positions on carbon steel.

12. Passes FCAW-S welder performance qualification test on carbon steel.

7. Gas Tungsten Arc Welding

1. Performs safety inspections of GTAW equipment and accessories.

2. Makes minor external repairs to GTAW equipment and accessories.

*Carbon Steel*

3. Sets up for GTAW operations on carbon steel.

4. Operates GTAW equipment on carbon steel.

5. Makes fillet welds in all positions on carbon steel.

6. Makes groove welds in all positions on carbon steel.

7. Passes GTAW welder performance qualification test on carbon steel.

*Austenitic Stainless Steel*

8. Sets up for GTAW operations on austenitic stainless steel.

9. Operates GTAW equipment on austenitic stainless steel.

10. Makes fillet welds in the 1F, 2F and 3F positions on austenitic stainless steel.

11. Makes groove welds in the 1G and 2G positions on austenitic stainless steel.

12. Passes GTAW welder performance qualification test on austenitic stainless steel.

*Aluminum*

13. Sets up for GTAW operations on aluminum.

14. Operates GTAW equipment on aluminum.

15. Makes fillet welds in the 1Fand 2F positions on aluminum.

16. Makes groove welds in the 1G position on aluminum.

17. Passes GTAW welder performance qualification test on aluminum