

Student's Name _____

Directions:	Evaluate the trainee using the rating scale below and check the appropriate number to indicate the degree of competency achieved. The numerical ratings of 3, 2, 1, and 0 are not intended to represent the traditional school grading system of A, B, C, D, and F. The descriptions associated with each of the numbers focus on level of student performance for each of the tasks listed below.
Rating Scale:	0 - No Exposure - no information nor practice provided during training program, complete training required. 1 - Exposure Only - general information provided with no practice time, close supervision needed and additional training required. 2 - Moderately Skilled - has performed independently during training program, limited additional training may be required. 3 - Skilled - can perform independently with no additional training.

1. Number of Competencies Evaluated	_____
2. Number of Competencies Rated 2 or 3	_____
3. Percent of Competencies Attained (2/1)	_____
_____	_____
Grade	
_____	_____
Instructor Signature	Date

01.0 Concrete and Masonry

The student will be able to:

0 1 2 3

- 01.01 Select materials for concrete construction
- 01.02 Determine quantity and cost of materials for a job
- 01.03 Determine the water-cement ratio for a job
- 01.04 Plan and construct forms for concrete
- 01.05 Identify the use of air-entrained concrete
- 01.06 Order ready-mixed concrete
- 01.07 Identify the techniques for curing concrete
- 01.08 Determine moisture content in sand
- 01.09 Make a slump test
- 01.10 Mix concrete on the job site
- 01.11 Place concrete in forms
- 01.12 Finish concrete slabs
- 01.13 Mix masonry mortar
- 01.14 Lay concrete block

02.0 Leveling and Land Measurement

The student will be able to:

0 1 2 3

- 02.01 Set up leveling instrument
- 02.02 Take rod readings
- 02.03 Determine difference in elevation of two or more points
- 02.04 Record field notes for differential leveling

0 1 2 3

- 02.05 Measure distance with steel tape
- 02.06 Determine percent of slope
- 02.07 Determine land area
- 02.08 Use the hand level
- 02.09 Read legal land descriptions
- 02.10 Lay out foundations, footings, and batter boards

03.0 Carpentry

The student will be able to:

0 1 2 3

- 03.01 Identify structural parts of a farm building by name
- 03.02 Read plans and working drawings
- 03.03 Figure a bill of material
- 03.04 Select wood framing, roofing, and insulation materials
- 03.05 Use carpentry hand tools and measuring instruments
- 03.06 Use power tools for carpentry construction
- 03.07 Layout the framing of a building
- 03.08 Layout and cut rafters and braces
- 03.09 Apply glue, nails, bolts, screws, and construction fasteners
- 03.10 Evaluate insulation materials and building design for energy efficiency

04.0 Electrical Wiring

The student will be able to:

0 1 2 3

- 04.01 Understand the National Electrical Code requirements for wiring; especially for harsh environments found in agricultural structures
- 04.02 Describe the relationship of volts, amps, and ohms in terms of Ohm's Law
- 04.03 Plan an electrical circuit
- 04.04 Determine electrical power requirements
- 04.05 Read the kilowatt hour meter
- 04.06 Identify the function of overcurrent and ground fault protection
- 04.07 Measure electrical circuits for voltage, current flow, resistance, and wattage
- 04.08 Install electrical circuits
- 04.09 Trouble-shoot electrical circuits

(NOTE! IF A STRUCTURE IS WIRED AS A PART OF THE STUDENT ACTIVITIES FOR THIS UNIT, THE WORK SHOULD BE DONE UNDER THE SUPERVISION OF A CERTIFIED ELECTRICIAN.)

05.0 Siding

The student will be able to:

0 1 2 3

- 05.01 Identify different types of siding used when building agricultural structures
- 05.02 Identify the tools and equipment needed to hang siding
- 05.03 Demonstrate the ability to properly hang siding

06.0 Safety

The student will be able to:

0 1 2 3

- 06.01 Identify safety problems that may occur while working on agricultural structures
- 06.02 Identify safety equipment needed while working on agricultural structures
- 06.03 Demonstrate safe practices while working on agricultural structures