

Wall Framing Section 3: Advanced Layout of Walls

Due Date: _____

Name: _____

Time Duration: _____

Group Members: _____

Objective:

- *F1 Reading*
- *F2 Writing*
- *F3 Arithmetic*
- *F9 Problem solving*
- *F10 Mental visualization*

Materials:

- Paper tape (cash register tape or wallboard joint tape)
- Tape measure
- Pencil
- Drafting triangle (to use as square)
- Door and window schedule
- Masking tape to tape down paper tape

Assignment language/Evaluation criteria

- 1/16" tolerance for all measurements
- Appropriate layout markings
- Square lines

Activity

The instructor will choose a door schedule from column 1 and a window schedule from column 2. You will layout a vertical story pole and a horizontal story pole on paper tape, using the assigned schedule.

A hand-drawn table titled "SCHEDULES" with two columns: "DOOR" and "WINDOW". The "DOOR" column lists four items: 1) 30 x 68, 2) 20 x 68, 3) 26 x 68, and 4) 24 x 68. The "WINDOW" column lists four items: A) 50 x 26, B) 26 x 50, C) 40 x 16, and D) 16 x 40. Each item is preceded by a circled number or letter and a small square symbol.

<u>DOOR</u>	<u>WINDOW</u>
① 30 x 68	△ A 50 x 26
② 20 x 68	△ B 26 x 50
③ 26 x 68	△ C 40 x 16
④ 24 x 68	△ D 16 x 40

INSERT HORIZONTAL SCHEDULE HERE....

Due Date: _____

Name: _____

Time Duration: _____

Group

Members: _____

Objective: Students will use a story pole to layout walls that include openings for doors and windows.

Materials:

- 2x4 lumber/studs
- 16d framing nails
- hammers
- power saws
- tape measures
- squares
- levels

Safety Considerations

- Safety Glasses and Personal Protective Equipment
- Power tool Safety rules
- Shop safety rules
- Lifting and Carrying considerations

Activity:

Students will layout and build a wall section that includes openings for doors and windows.

Assignment language/Evaluation criteria

Points Possible	Tolerance	Square and Plumb	Nailing	Lab Conduct	Safety Procedures	Cleanup Practices	Wall Openings
4	<i>All lengths and locations within 1/8"</i>	<i>Wall is square and plumb</i>	<i>Correct number, size and positioning of all nails. No excess hammer marks or bent nails.</i>	<i>On task, professional, and contributes to group success</i>	<i>All safety procedures followed</i>	<i>Complete cleanup done promptly</i>	<i>Proper location and size of specified wall openings within 1/8" tolerance</i>
3	<i>Less than __ measurements out of tolerance</i>	<i>Wall is square but not plumb or vice versa</i>	<i>Less than ____ nailing errors</i>	<i>Meets 2 of 3 criteria above</i>	<i>Less than 2 safety violations</i>	<i>Meets 1 of 2 criteria above</i>	<i>same as above within 1/4" tolerance</i>
2	<i>Less than __ measurements out of tolerance</i>		<i>Less than _____ nailing errors</i>	<i>Meets 1 of 3 criteria above</i>	<i>Greater than 2 safety violations</i>		<i>same as above within 3/8" tolerance</i>
0	<i>__ or more measurements out of tolerance</i>	<i>Wall is neither square nor plumb</i>	<i>More than _____ nailing errors</i>	<i>Meets 0 of 3 criteria above</i>	<i>Intentional safety violations</i>	<i>Cleanup unacceptable</i>	<i>beyond the 3/8" tolerances</i>
Points Earned							

Project Sheet: Use of story pole to construct wall section which includes openings for doors and windows.