

GROUP ACTIVITY

ACTIVITY NAME: BLUEPRINTS AND MEASUREMENTS

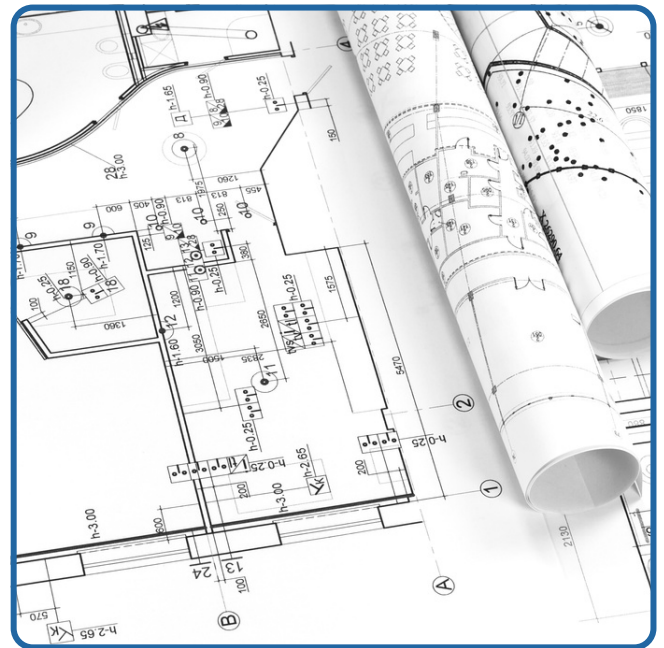
PURPOSE:

This is a team building activity that stresses the importance of accuracy in measurements when interpreting blueprints during manufacturing.

TIME: 15 - 20 MINUTES

MATERIALS NEEDED:

- 2-3 tape measures (1/16th min.)
- 1-2 grating panels (or items from your manufacturing area) that have multiple cutouts to measure
- Blueprints/drawings with dimensions lines but not measurement numbers



DIRECTIONS:

1. Split into groups of 3-4.
2. Distribute blank blueprints and tape measurers.
3. Set timer for 5 minutes.
4. Take turns measuring different areas of the grating panels and checking each other for accuracy.
5. Write down measurements on blank blueprint.
6. When time runs out, check measurements against the master blueprint.

Variation 1:

1. Repeat 1-4 with blueprints that have some inaccurate measurements.
2. Find the mistakes and correct them.
3. Double check your corrections on the master (correct) blueprint.

Variation 2:

1. Repeat 1-4 but give each group one correct blueprint and the rest with a mistake.
2. Have them identify the correct print and correct the mistakes on the other print.
3. Double check on the master (correct) blueprint.

DISCUSS:

- How did your team function?
- What were your team's strengths?
- What were your team's frustrations?

ACTIVITY CREDITS:

Special thank you to Stark County Manufacturing Workforce Development Partnership for providing MakingOhio with this activity.

