

GOAL: Draw a single room to scale.

SCALE: $\frac{1}{4}$ inch = 1 foot

CLASSWORK DETAILS DAY 1

Teams of three will measure a total of three rooms. Teams of two will measure two.

How do we complete the measurement part of this activity?

- The goal is to measure everything you need to be able to draw the room to scale.
- Create this rough copy on computer paper or on the provided paper.
- This rough copy is not drawn to scale. Make it large to fill your computer paper.
- Record the name of the room you are measuring (ex. KITCHEN 1).
- Use a meter or yard stick to measure.
- Measure the outside of the room first.
- Round all your measurements to the nearest 3 inches.

How do we complete the scale drawing part of this activity?

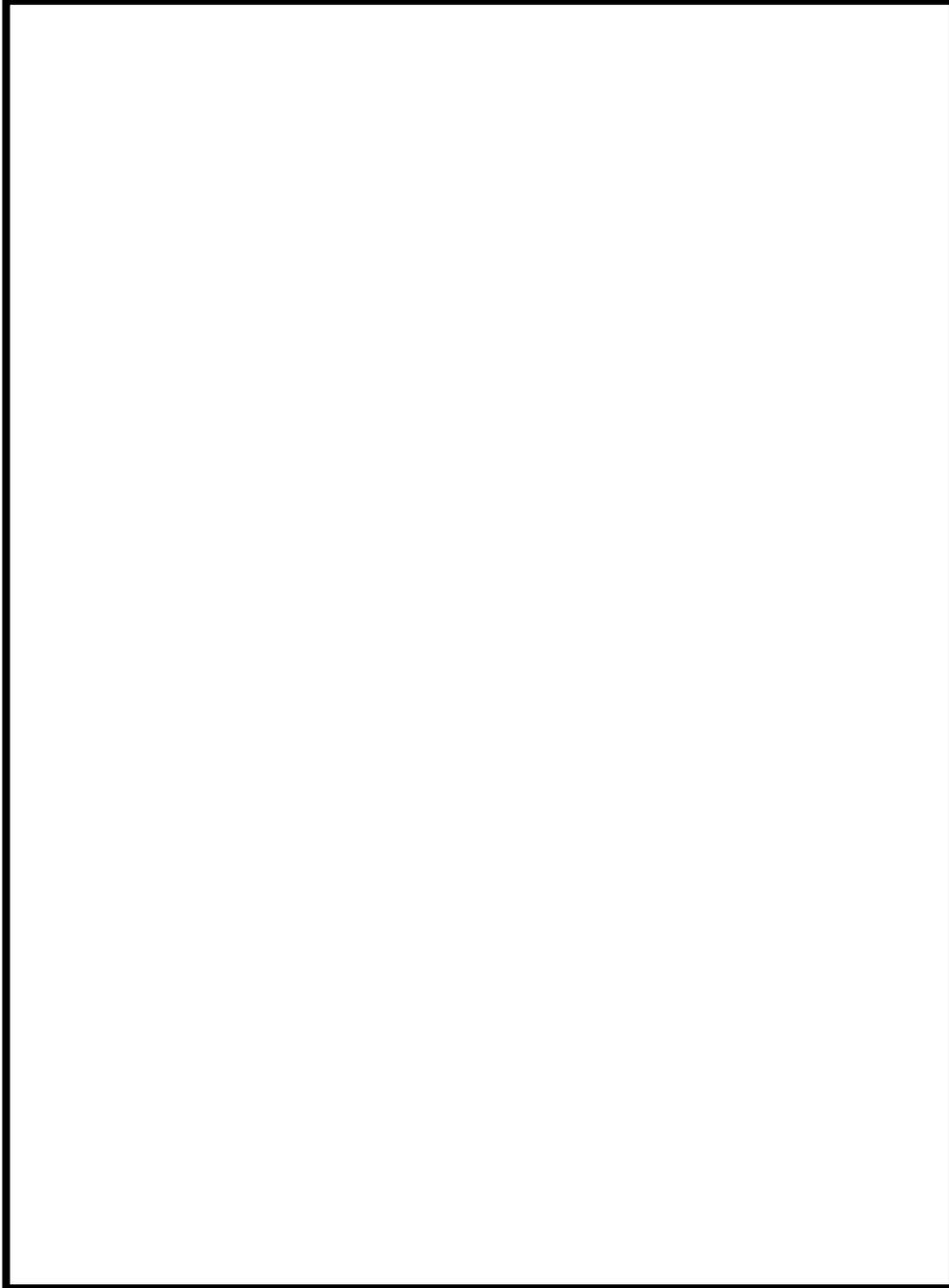
- Choose who will draw each room from the hall using your rough copy.
- Draw your final copy on graph paper using a ruler. Make your final copy professional.
- Start by drawing the outside of the room.
- See your packet for the symbols to use for items such as toilets, sinks, refrigerators, etc.
- **Include the scale** on your final copy.
- Do not include any measurements on the final copy.
- Include your name.
- Write both the **real-life perimeter (feet) and area (square feet)** of the room.

HOMEWORK DETAILS DAY 1

- Choose one of the following:
 - Create a scale drawing of either your kitchen OR your master bathroom
 - Create a scale drawing of the outside of Durham Intermediate School
- If you choose DIS, you will need to access Google Earth. You only need to worry about the outside of the building, not inside rooms or features.
- If you choose a room at your house, follow all the same steps we did at school
- Include all items in the room that are permanently placed (sink, dishwasher, toilet, bathtub, range/stove, countertop space, etc.).
- You do not need to include the following items, but you can if you wish: lights, outlets, fans, and wall thickness.
- **Include your scale** as well as the **real-life perimeter (feet) and area (square feet)** of your room or DIS.

KITCHEN #

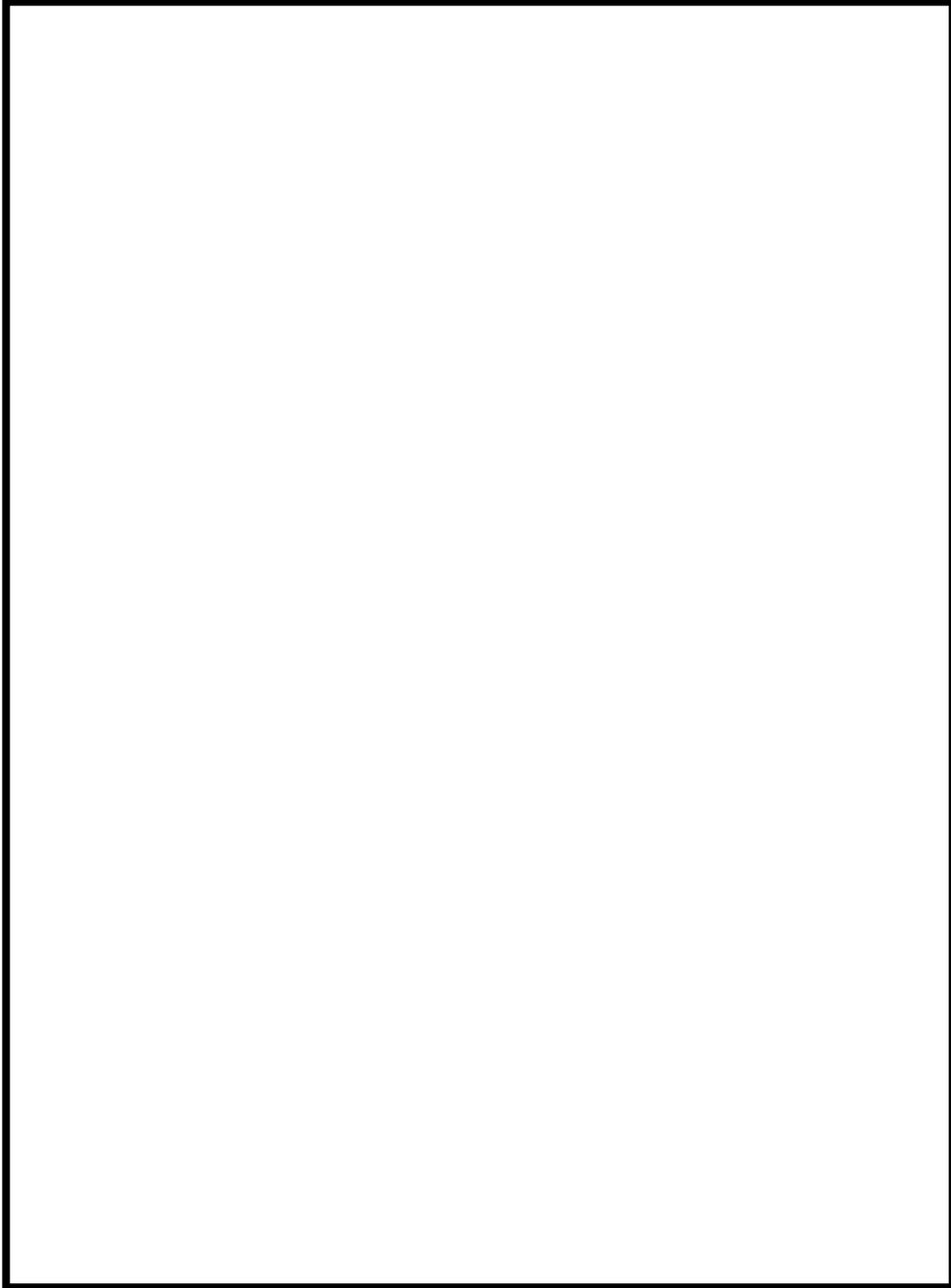
8 feet



10 feet

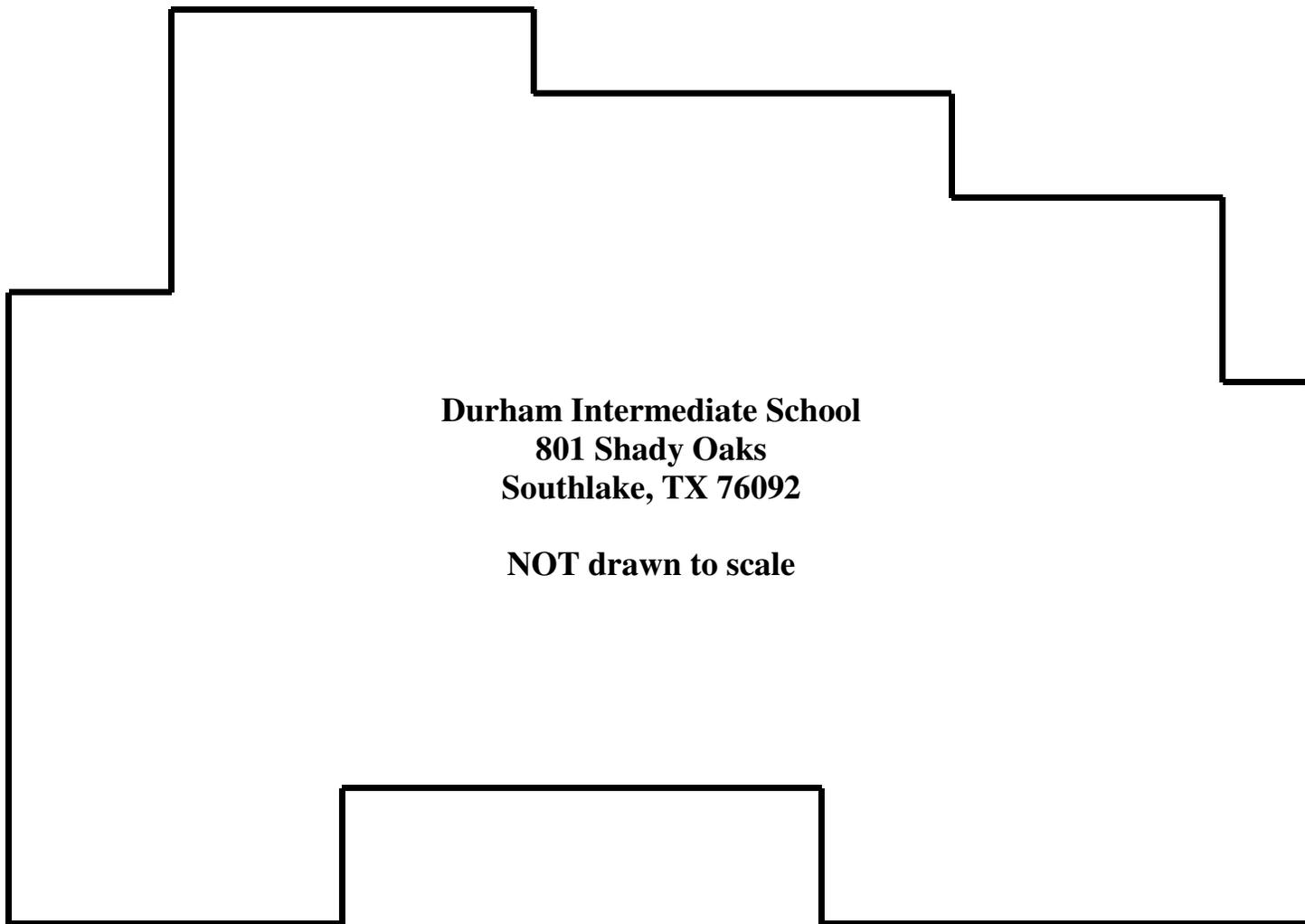
BATHROOM #

5 feet



8 feet

Use the diagram below along with Google Earth to determine the actual length of each wall. Label the length of each wall on the diagram below. Then create a scale drawing on graph paper of Durham Intermediate using the scale $\frac{1}{4}$ inch = 15 foot . Compute the real-life perimeter and estimate the real-life area of the building (based on an approximate rectangle).



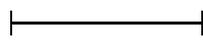
 Standard Electrical Outlet

 Light Switch

 220 Volt Electrical Outlet

 3 Way Light Switch

 Standard Ceiling Light

 Fluorescent Ceiling Light

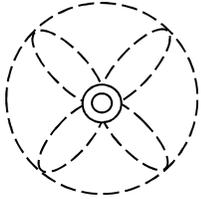
 Recessed Light



Chandelier



Wall Light



Ceiling Fan with Light



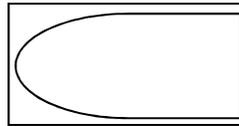
Toilet



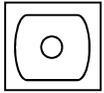
Washer



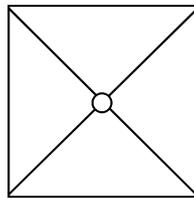
Dryer



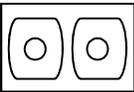
Bathtub



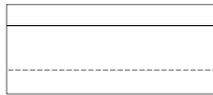
Cabinet with Sink



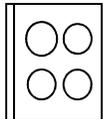
Shower Stall



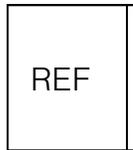
Double-Basin Sink



Cabinet over counter



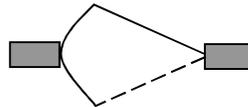
Range



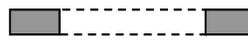
Refrigerator



Dishwasher



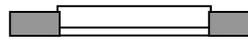
Swinging Door



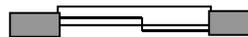
Arched Opening



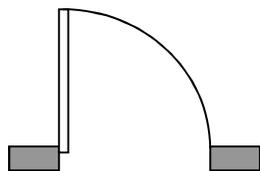
Hot Water Heater



Window



Sliding Glass Door



Door



Sliding Closet Door

 represents the wall



Cable TV Hook-Up



Telephone Jack



Thermostat



Door Bell



Floor Outlet



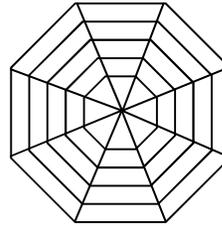
Exterior Light



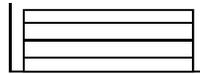
Ceiling Light with Pull Switch



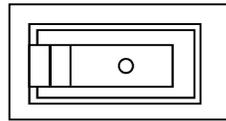
Outdoor faucets



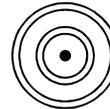
Gazebo



Garden bench



Hot tub



Birdbath or fountain



Basketball hoop

