

Warm up to the Materials Application in BuildersCAD

The BuildersCAD Materials Application recognizes “intelligent” components in the BuildersCAD model including: walls, wall surfaces, openings, floor surfaces, floor edges, roof surfaces, roof edges, “intelligent” RIs, and user-defined lines. This seminar will focus on an unconventional use of the Materials Application.

When you hear the name “Materials Application” you naturally think of materials. But with BuildersCAD, you are not limited to material takeoffs when you consider the potential uses for this application.

You can assign intelligence to any recognizable model component.

In this seminar we will review the Materials Application setup to generate heating and cooling load calculations. We will also use the Materials Application to takeoff the HVAC system in a house.

Heating and Cooling Load Calculations:

To do heating and cooling load calculations we will assign heat loss/gain values to:

- wall surfaces (based on orientation)
- windows (based on orientation)
- doors (based on orientation)
- roof planes (based on orientation)

HVAC System Takeoff:

To generate a HVAC system takeoff we will assign values to:

- Parts (“intelligent” RIs)
- User-defined lines