



Autodesk® Revit® MEP: Space Schedules for Design Verification and Validation

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Class Summary

In this class we will explore the diverse possibilities of space schedules for verifying and validating your design. Stop fighting the software and start harnessing the information in your model to help validate your design and verify your design intent is making it onto the documentation.

Learning Objectives

At the end of this class, you will be able to:

- Use the power of space schedules to aid in your design
- Verify that design intent is conveyed to the construction documents
- Calculate and validate LEED points
- Create and utilize calculated values

Space...

The Final Frontier



Class Agenda

- Calculated Values
- Inconsistent Units, Cancelling Units
- Key Schedules
- Itemize Every Instance
- Embedded Schedules
- Referencing Space Data Into Other Schedules
- Field Formatting
- Conditional Cell Format
- Calculating Totals
- Bringing it All Together
 - Case #1: LEED EQ Credit 2
 - Case #2: LEED EQ Credit 6.2
 - Case #3: Design Verification

Engage!



Canceling Units

Convert 55 miles per hour to feet per minute:

$$\frac{55 \text{ miles}}{\text{hour}} \longrightarrow \frac{XX \text{ feet}}{\text{minute}}$$

$$\frac{55 \text{ miles}}{\cancel{1 \text{ hour}}} \times \frac{\cancel{1 \text{ hour}}}{60 \text{ min}} = \frac{0.9167 \text{ miles}}{1 \text{ min}}$$

$$\frac{0.9167 \cancel{\text{ miles}}}{1 \text{ min}} \times \frac{5280 \text{ feet}}{\cancel{1 \text{ mile}}} = \frac{4840 \text{ feet}}{1 \text{ min}}$$



High School Math Teacher

