



### When using any of these options you should......

Calculate the soil volume based on efficiency. The following is a reasonable estimate:

#### Assuming:

Loam soil then Silva cells Strata cells Sand based structural Soil Stockholm structural soil Gravel based structural soil 20%

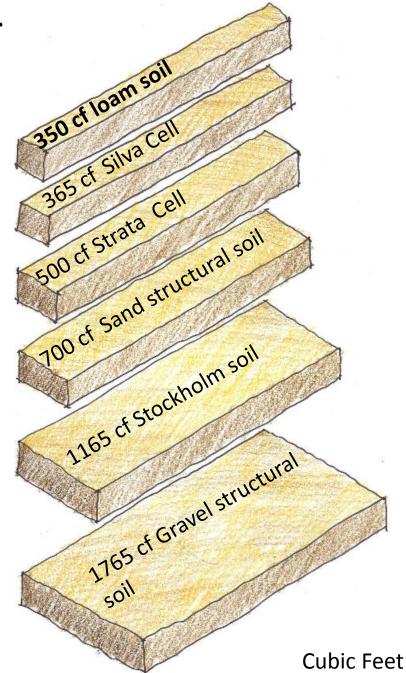
100% efficient

93% efficient <sup>1</sup> 71% efficient <sup>2</sup> 50% efficient <sup>3</sup> 30% efficient <sup>4</sup> 20% efficient <sup>5</sup>

## Substitutions must be required to provide the equivalent effective soil volume of the original tender!

Efficiency calculation assumptions

- 1. Silva cells is 7% space devoted to structure.
- 2. Strata cells is 6% space devoted to structure. In the Bartlett field trial study held 23% less soil than Silva Cells.
- 3. Sand based structural soil based on observed reductions in growth in the Smiley/Boston study.
- 4. Stockholm Soil has 30% void space for soil and roots the rest is rock.
- 5. Gravel based structural soil contains 20% soil the rest is rock.



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1

2

3

4

5

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