

System Scoping Checklist

Your initial page has been established at <http://buildingconstruction.editme.com>. On this initial page, you should put the following information:

- Building System Type (make this the page title for the initial page)
- Functional description of the system – describe what the system is, what it does, what user needs it meets. How does the system work in general?
- Stakeholder overview – describe the major categories of stakeholders who would be involved with this system over its life cycle. What requirements and objectives would each of these stakeholder groups have for the system?
- Overview of product range within this system type - describe various types of products within your product category (e.g., if your system type was commercial carpets, you should mention the various types of carpets used in commercial facilities ranging from carpet tiles to broadloom, but NOT polished concrete or vinyl composition tile). Consider different types of materials, different ways of configuring those materials, and different production/assembly approaches. Indicate which types are commonly available vs. difficult to get vs. strictly experimental.
- Scope of systems to achieve functional equivalence – for the specific type of system you've been assigned, define the components that will and will not be included in the analysis in order to make them functionally equivalent. Use a Johari window to communicate this information with respect to the reference system. Be sure to review the problem description for elements that have already been decided upon by the City Council.
- Major manufacturers – provide links to major manufacturers for typical instances of your system. If there are more than three to five manufacturers, focus on the major ones who supply the eastern United States. Include a short description of each one and the range of products they offer. If your system consists of multiple components like the reference system (e.g., dimensional lumber, cavity insulation, etc.), list major manufacturers for each of the primary materials in your assembly. If your system is made of vernacular or on-site materials, please provide links to the three best web sites you can find to describe these systems and how they work.
- Linkages to other systems – describe other facility systems whose function depends on or is affected by the successful performance of this system. Specifically describe how other building systems could be negatively impacted or fail if this system doesn't do what it's supposed to do. For instance, lighting systems affect the surfaces (walls; ceilings) they are mounted to or embedded in, the electrical supply system of the building, and the heating/cooling system of the building.
- Application environments and constraints – given the scope you defined, describe the typical kinds of projects in which your system is employed. For instance, is your product typically employed in residential or commercial buildings? Is it a high end or more affordable product? What kinds of conditions must it survive? Are there climates or regions in which it is more widely used than others? If there are any conditions under which your system should *not* be used, be sure to explicitly describe them here.
- Table of contents – establish sub-pages for your page for each of the five modules using the table format shown on the reference system page. Use the naming convention F08-SystemName-PageName (e.g., F08-AeratedCMUs-SystemScoping) so that the pages will show up well in the site index. Click on “Index” to verify that your pages are organized well in the index. Create a list of links on the primary page to each of these new pages you created. Put this list at or near the top of the page so it can be easily referenced. Also include internal links to the major sections of the primary page for easier navigation.