





Form Based Coding Regulation: A New Approach to Urban Conservation - P. Bimal | ...

Written by Administrator

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based codes address the relationship between building facades and the public realm, the form and mass of buildings in relation to one another, and the scale and types of streets and blocks. They are drafted to implement a community vision plan. They try to achieve a community vision based on timesteafe forms of urbanism (www.formbasedcodes.org not

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Form-based codes are a new response to the modern challenges of urban sprawl, deterioration of historic neighbourhoods, and neglect of pedestrian safety in new development. Form-based codes are a new response to the modern challenges of urban sprawl, deterioration of historic neighbourhoods, and neglect of pedestrian safety in new development. Form-based codes are a tool local governments the regulatory means to achieve development objectives with greater certainty (Wikipedia). The major advantage of FBC over existing urban design guidelines is its regulatory nature. As they are built into the local development legislation, they ensure a higher degree of certainty in its implementation. Another advantage of FBC is its clarity, which helps in easy following of the rules by various stakeholders without the help of a high technical assistance. This will help to reduce the financiab burden on the stakeholders to follow the regulations. Moreover it ensures a consistent urban form irrespective of the people involved or the time in which it is constructed. Because they can regulate development by multiple property owners. This eliminates the need for large land assemblies and the mega projects that are frequently proposed for such parcels (Ratz, 2004).

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in the design and implementation will help in bringing most appropriate solutions and this will each place unique, while retaining the harmony. The new approach builds on the idea that physical form is a community's most intrinsic and enduring characteristic. It seeks to codify that form in a straightforward way so that planners, citizens, developers, and other stakeholders can move easily from a shared physical vision of a place to its built reality. Flos work well in established communities because they effectively define and codify a neighborhood's existing DNA. Vernacular building types can be easily replicated by promotting infill that is compatible with surrounding structures. They also require less oversight by discretionary review bodies leading to a less politicized planning process that can deliver huge savings in time and money and reduce the risk of takings challenges (Katz, 2004).

STRUCTURE OF THE FORM BASED CODES

Form based codes are prepared to implement a community vision plan. This defines the goal of the FDC. The vision plan describes the future state of the space as envisioned by the community of stakeholders. It is further elaborated and split into a set of regulacry codes each concerning various stages or disciplines of overlepment. Form based codes commonly include the following elements:

- Regulating Plan: A plan or map of the regulated area designating locations where different building form standards apply based on clear community intentions regarding the physical character of the erae being code. Public Space Standards: Specifications for the elements within the public realm (e.g. sidewalks, travel lanes, on-street parking, street trees, street furniture, etc.).
- Building Form Standards: Regulations controlling the configuration, features, and functions of buildings that define and shape the public realm.

 Administration: A clearly defined application and project review process.
- Definitions: A glossary to ensure the precise use of technical terms. **Architectural Standards:** Regulations controlling external architectural materials and quality.
- Landscaping Standards: Regulations controlling landscape design and plant materials on private property as they impact public spaces (e.g. regulations about parking lot screening and shading, maintaining sight lines, ensuring unobstructed pedestrian movement, etc.).
- Signage Standards: Regulations controlling allowable signage sizes, materials, illumination, and placement.
- illumination, and placement. Environmental Resource Standards: Regulations controlling issues such as storm water drainage and infiltration, development on slopes, tree protection, solar access, etc. Annotation: Ext and illustrations explaining the intentions of specific code provisions (www.formbasedcodes.org not dated).

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PROCESS FOR THE CREATION OF A FORM-BASED CODE

4. PROCESS FOR INE CREATION OF A FORM-BASED CODE Generally, the creation of a form-based code is interwoven with a community visioning process. The process typically includes a public design workshop lasting several days. The community's consensus vision is conveyed through a range of visuals including perspective drawings, site analysis diagrams, and an illustrative plan. That plan, which resembles an aerial photo includes proposed buildings (shown as roortops), key natural features, and existing and planned public spaces (Katz, 2004). At the vision making stage the community should be supported with the required technical skills of urban planners, urban designers, conservationists and other utility experts, etc.

Once the vision is prepared, the conversion of vision to a draft form based code can be done by a group of pooled experts from each relevant discipline. The produced draft code may be presented to the community, and enforcing authorities for their feedback.

conclusions
Conservation of urban spaces is often criticized for its rigidity to adopt for the change. Urban design implementation through guidelines has been ineffective. Form based coding, which is novel concept in urban design, and its implementation seems to be promising in urban conservation as well. Its strength lies in the participatory approach in the design and implementation and its role as a regulation rather than guideline. It also helps to execute the design in a multi stakeholder environment because of its unequivocal method of representation of the regulations.

of the regulations.

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