<mark>Requirements:</mark>

Formalize what the design has to accomplish

Function, interaction, character

"The design should…"

Specify the need, not the solution:

  –Good: "provide space for a family of six to eat together"

  –Bad: "include a dining table in the middle of the room."

Initial List of Requirements

The design should:

Safety
Not have pinch points
Not have sharp features exposed to users
Not be applied to people
…

Function
Not over drive or under drive nails
Allow for accurate nail placement
Be durable
Drive one nail quickly
Drive many nails in a session
Drive most roofing nails and similar nails, such as for barrier material
…

Interaction
Be accessible to color blind people
Be easy to position
Allow a person to use it for a long time without getting fatigued
Be ergonomic
Be transportable
Require only one person to operate
Be easy to maintain
Allow a person to discover how to use it easily
…

Character
Provide a feeling of satisfaction when operated
Appear rugged and durable
Have a modern look that fits the other equipment on the site

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