

Deconstruction and Salvage - CONCEPT CARD



NORTHWEST
EcoBuilding
Guild

Concept – A preferable alternative to demolition is the deconstruction and salvage of existing materials and even entire buildings. With upfront planning, significant amount of salvageable materials can be diverted from the waste stream back into the marketplace, and waste disposal fees avoided.

Attention – Design Professionals, Material Specialists, Construction Professionals and Trades

Action –

- During design and before demolition, conduct a walk through to identify building components and materials for deconstruction or salvage.
- Plan the design around materials that can be reused on site.
- Work with a deconstruction specialist or talk to your local building reuse store to understand what materials can be donate or resold.
- Identify procedures for removal, storage, and transportation and communicate these to the demolition contractor and crews.
- Call out those materials which will require special handling or testing for asbestos, lead or mercury.

Suggested Methodologies –

Manual Deconstruction – Systematic deconstruction of a building by hand to salvage as much material as possible. Good for sites with many high value materials and difficult equipment access.

Hybrid Deconstruction – Using a combination of hand deconstruction and careful use of heavy machinery to salvage the highest value materials, expedite the deconstruction process and reduce costs.



Design



Foundation



Framing

Mechanical



Insulation / Wall



Finish

Landscape

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