## THE DOMICOLOGY SUPPLY CHAIN: FROM COLLECTION TO REUSE/RESALE



Large-scale projects and real communities showcase designing for deconstruction and nurturing a circular building model through deconstruction and material re-use.

In these examples, you will see successes and understand the potential of the deconstruction approach in building and managing the built environment.

The STEM building on Michigan State University's campus, which is a hub for teaching and innovation built in 2021, is an excellent example of 'mass timber construction.' This is a method of designing for deconstruction by using large pre-manufactured, multi-layered, solid wood panels.

The STEM building is also an example of preservation and reuse. Structural components of the historic MSU Shaw Lane Power Plant were used in its construction.

The STEM building is the first and largest of its kind in the State of Michigan. Other mass timber projects, like the 'Ascent' residential building in Milwaukee Wisconsin, have seen construction of buildings up to 21 stories tall!

In many places, community partners have taken advantage of new re-use markets created by salvaging and reselling construction materials. People have created storefronts and organizations, usually non-profit, that inspire community engagement and promote community development.

The Chicago Rebuild Exchange is an example of a re-use organization whose work promotes building material reuse and construction waste reduction, while also investing in its community. It offers 100 training classes a year, ranging from woodworking, to repair and reuse methods. 89% of its students were placed into building trades jobs earning an average wage of \$18 per hour upon graduation.





Photo credit: the Rebuilding Center website, rebuildingcenter.org

