



PLANETREUSE



Third Annual

# **SUSTAINABLE FACILITIES WORKSHOP** *For Congregations*

## *Removing the Material Reuse Roadblocks*

*Presented by:*

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## Q: What is PlanetReuse?

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- PlanetReuse is a national material brokering and consulting company that *finds and sources reclaimed building materials* for Designers, Architects, Owners and Contractors.

## Q: What are we talking about today?

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- Reuse Roadblocks & Misperceptions
- Project/Material Examples

40% of landfill waste comes from  
*building construction and demolition.*



Project: Mountain Equipment Co-op, Winnipeg  
Photo: Courtesy Prairie Architects  
Source: Building Materials Reuse Association

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25% of the buildings *that Existed in 2000*  
***will be Replaced by 2030***





## Q: Why don't we use more (or any) reused materials to design and build new commercial projects?

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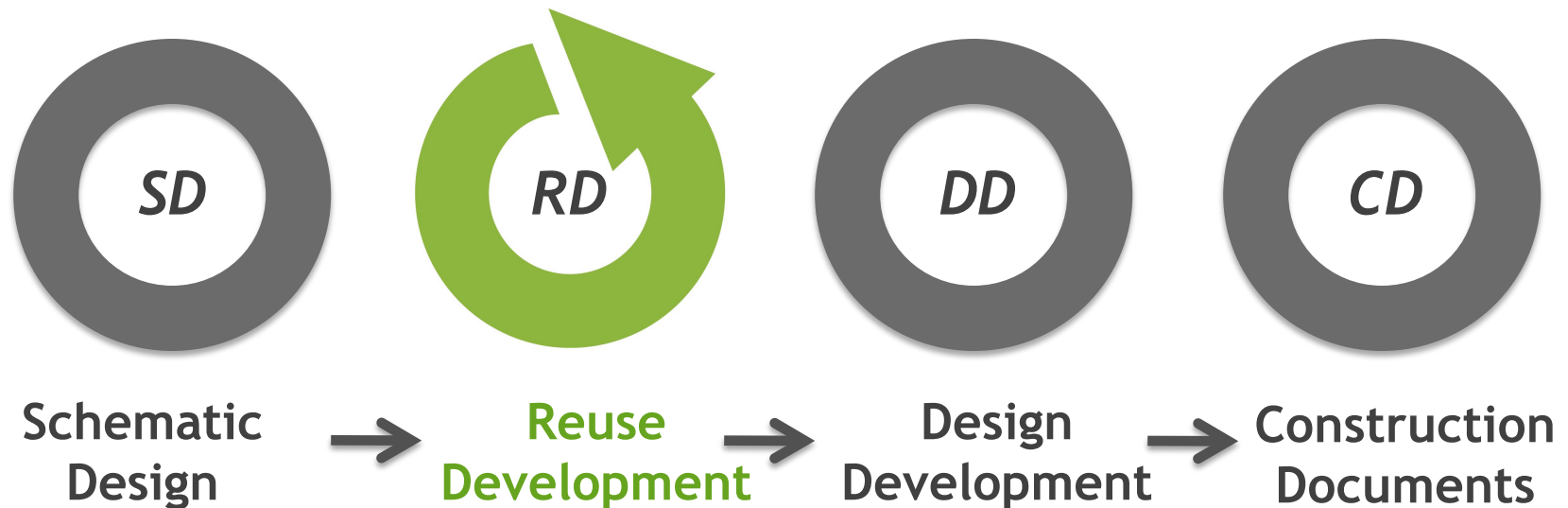
- How do we overcome roadblocks & misperceptions?
- Why are Reuse Credits not achieved *or attempted* on a regular basis?
- What are these roadblocks?



## Roadblock 1: How do architects find the exact material they're looking for while working to hit design deadlines?

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- Additional team member to source materials, running in parallel with the design team
- **Rethink the design process**



## Roadblock 2: Aren't reclaimed materials expensive? How can I justify using them when we are trying to *cut* costs, not add them?

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- Not always “one-off” originals, common items
- Expanding network of national resources / Competitive
- Finding a new home prior to removal to reduce double-handling





## Roadblock 3: So how do you really calculate the LEED 5% reclaimed material values?

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### Material Reuse Calculation Example:

|                                  |                  |
|----------------------------------|------------------|
| Total Project Value:             | \$1,000,000      |
| Total cost Div. 2-10** (60%)     | \$ 600,000       |
| 45% default calculation          | \$ 270,000       |
| <b>5% requirement for MRc3.1</b> | <b>\$ 13,500</b> |
| 10% requirement for MRc3.2       | \$ 27,000        |

\*\* can include furniture but if so, it must be carried across credits 3-7

## Roadblock 4: It's a lot of work, and I can't even reach the 5 % goals for just one MR credit.

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- Any percentage is a good percentage
- More than just wood; you name it, it can probably be reclaimed:
  - Brick/Masonry
  - Access flooring
  - Structural Steel
  - Carpet tile
  - Accessories
  - Solid Surfaces



## Roadblock 4 (cont.): Material Examples

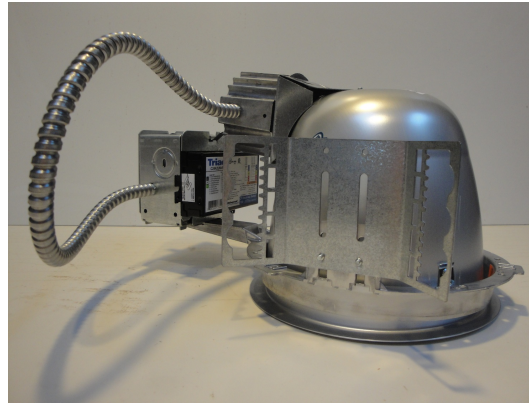
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- Office furniture
- Light Fixtures
- Any Wood Materials
- Commercial Doors & Hardware
- You name it...





# Roadblock 4 (cont.): Material Examples



## Roadblock 4 (cont.): Material Examples

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Greensburg City Streetscape  
Greensburg, KS  
**LEED Platinum Certified**

## Roadblock 5: Habitat ReStores and other not-for-profit outlets don't carry commercial material, so where do I find it?

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- Creating a demand
- Finding a new home for materials before removal
- Commercial reuse is not competition
  - More job opportunities
  - New revenue stream
  - Tax deductions






# Project Examples



Omega Center for Sustainable Living  
*Rhinebeck, NY*

*Living Building Challenge & LEED Platinum Certified*

A photograph of the Greensburg School building, a long, single-story structure with light-colored wood vertical siding. The building features large, multi-paned windows with white frames. A grey door is visible on the right side. The building is surrounded by a gravel base and some young trees. The sky is overcast.

Greensburg School  
*Greensburg, KS*

*LEED Platinum Certified*

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Greensburg School  
Greensburg, KS  
*LEED Platinum Certified*





Tyson Living Learning Center  
*St. Louis, MO*

*Living Building Challenge Certified*





Tyler Residence  
*Kansas City, MO*  
*Salvaged Sinker Cypress*



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Brooklyn Navy Yard  
Brooklyn, NY

*LEED Platinum Certified*







Dan Meiners Studio  
*Kansas City, MO*  
*Reclaimed Office Furniture*

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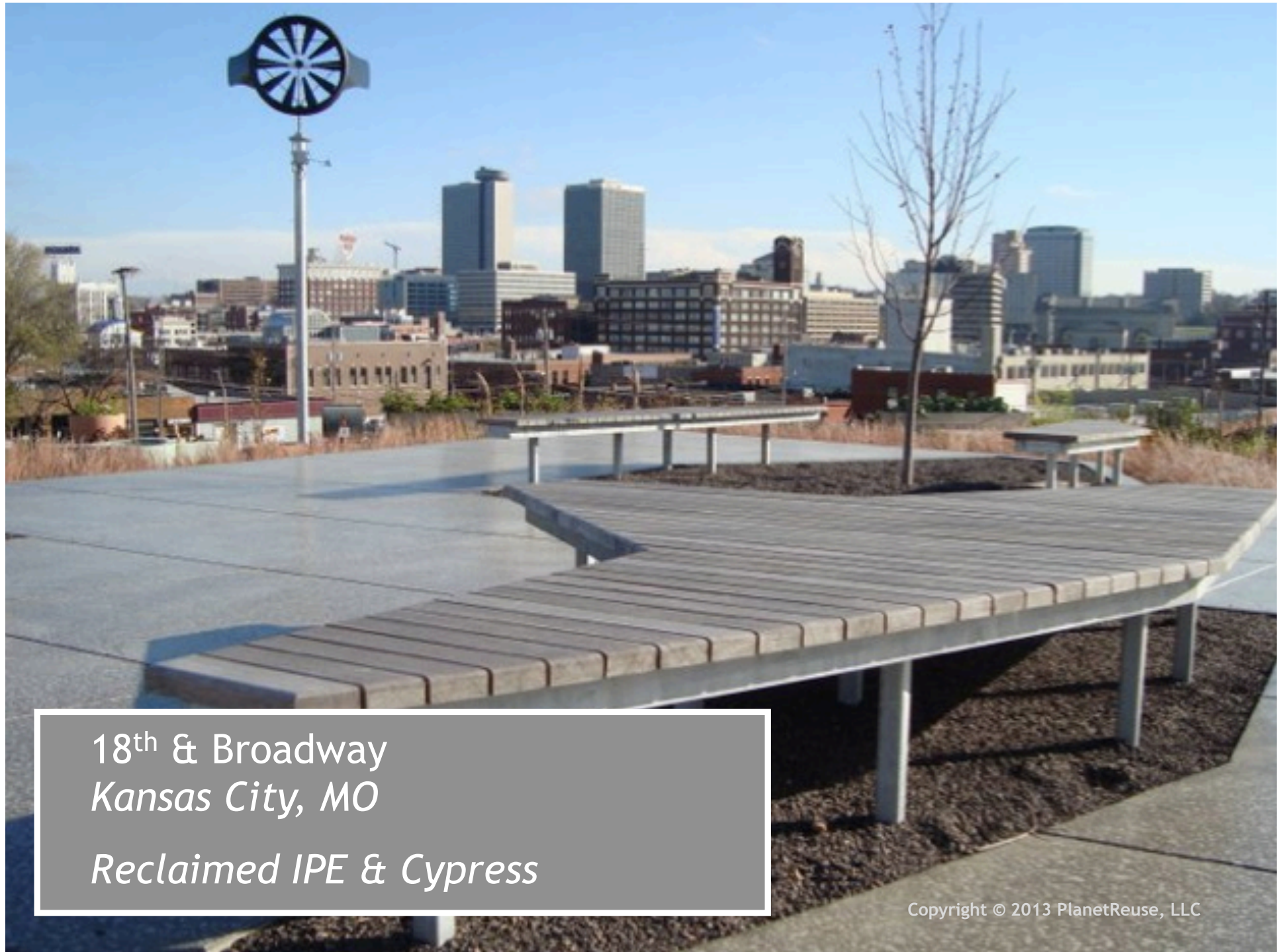


A photograph of a modern interior space, likely a studio or gallery. The walls are made of reclaimed wood and stone. The floor is polished concrete. There are large windows on the right side. In the foreground, there is a long table with a row of small, round, illuminated objects. In the background, there are several tall, dark, abstract sculptures and large potted plants. The lighting is warm and ambient.

Dan Meiners Studio  
*Kansas City, MO*

*Reclaimed Pecky Cypress & Walnut*

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18<sup>th</sup> & Broadway  
*Kansas City, MO*

*Reclaimed IPE & Cypress*

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## Q: How can PlanetReuse help you and your congregation on your next project?

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- Low-cost consultant on your team (e.g. BNIM)
- Save money on projects (e.g. VE items)
- Budget & price out all FSC & reclaimed wood materials from one single-source
- LEED MR3.1 and 3.2 credits so you don't have to
- Find homes for materials on your current & upcoming projects





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thank you

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