MASS TIMBER: INVESTIGATIONS

in the work of
ATELIERJONES

EESI MASS TIMBER CONGRESSIONAL BRIEFING
WASHINGTON, DC
October 23, 2018

SUSAN JONES, FAIA
restorative thinning
small-diameter timber
prefabrication logic
carbon copies

1 SQUARE FOOT OF FLOOR ASSEMBLY

<table>
<thead>
<tr>
<th>Building Type</th>
<th>CO2 Emissions (Tons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timber</td>
<td>7,467</td>
</tr>
<tr>
<td>Steel</td>
<td>13,179</td>
</tr>
<tr>
<td>Concrete</td>
<td>14,444</td>
</tr>
</tbody>
</table>

- Timber Composite Construction
- Steel Composite Construction
- Concrete Frame Construction

= 10 cars
grow your city!

framework
lever architecture
CLT Church
atelierjones 2016 Bellevue, WA
Carbon-12
eight story residential building
PATH Architecture 2018 Portland, OR
First Tech Credit Union
five-story 155,000 SF office building
Hacker Architects  2018 Hillsboro, OR
architect as advocate
balanced committee
real-life fire testing
new building codes

**Type IV-A**
IBC 2021

**Type IV-B**
IBC 2021

**Type IV-C**
IBC 2021

**Type IV-HT**
IBC 2015

**Business Occupancy [Group B]**

*Building floor-to-floor heights are shown at 12'-0" for all examples for clarity in comparison between 2015 to 2021 IBC codes.*
protection: type 4A

type 4C
national action
systemic change
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