

FORT&RRA





3



**TYPICALLY 2 TO 10 FEET WIDE, WITH LENGTHS UP
TO 60 FEET AND THICKNESS UP TO 20 INCHES**

**COMMONLY USED FOR LONG SPANS IN WALLS,
FLOORS, AND ROOFS**



Photo: Salzburg FH



Western larch
Larix occidentalis
230 ft



Douglas-fir
Pseudotsuga menziesii
200 ft



Western hemlock
Tsuga heterophylla
165 ft



Ponderosa pine
Pinus ponderosa
165 ft



Lodgepole pine
Pinus contorta
100 ft

LIGHTWEIGHT BUT STRONG

FAST INSTALLATION

DESIGN FLEXIBILITY

SMALLER, QUIETER WORK SITES



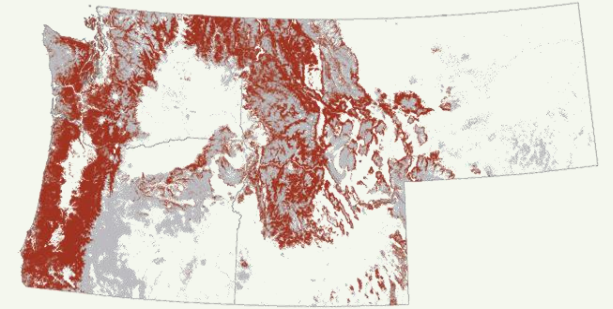
Photo: KLH UK

SUPPORTS OUR RURAL ECONOMIES

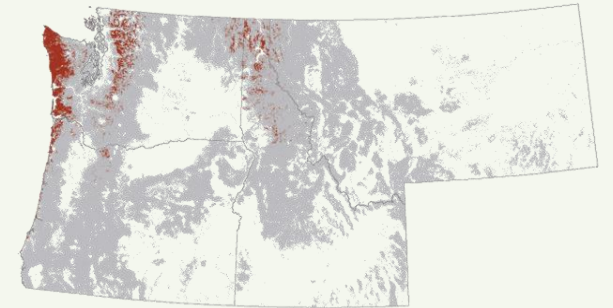
HELPS MEET GROWTH DEMANDS

POTENTIAL CARBON BENEFITS

POTENTIAL FOREST HEALTH BENEFITS



PNW DOUGLAS FIR COVERAGE



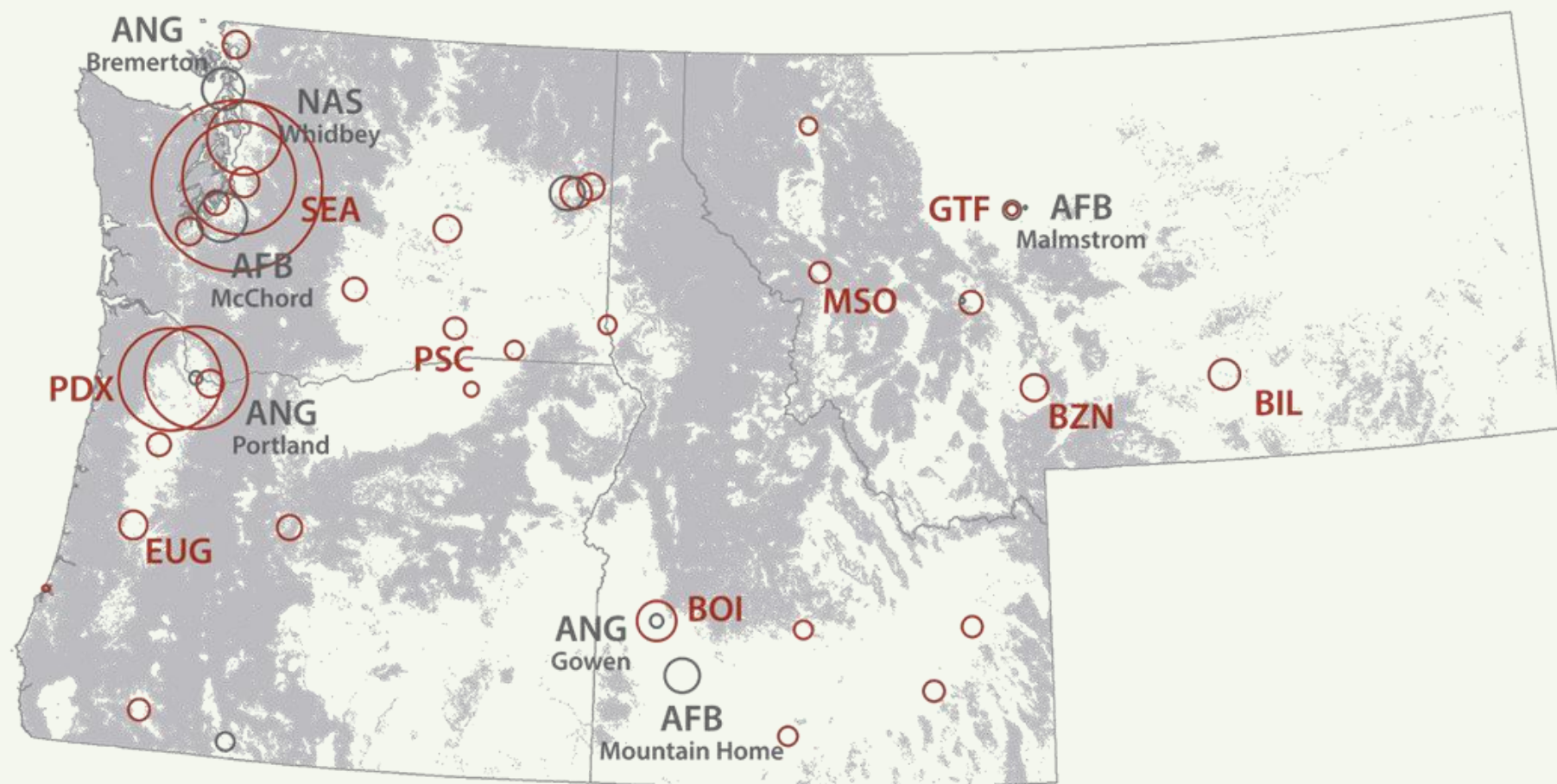
PNW WESTERN HEMLOCK COVERAGE

CLT COALITION

Academic Researchers
Architects & Engineers
Builders
Elected Officials
Environmentalists
Governmental Agencies
Timber Companies



Photo: Seagate Structures, Pollux Chung



○ Commercial Markets

6-12 MILLION CUBIC FEET ANNUALLY FOR 4+ STORY CONSTRUCTION BY 2035

BETWEEN 2016 AND 2035, THE CUMULATIVE PNW DEMAND ~ 56 MILLION CUBIC FEET

COULD SUPPORT AT LEAST FOUR SMALL- TO MID-SIZED CLT PLANTS

**PREDICTED DEMAND FOR SOFTWOOD LUMBER TO MANUFACTURE CLT PANELS
REPRESENTS SMALL SHARE OF ANNUAL PNW TIMBER HARVEST**





18 STORIES
BUILDING HEIGHT 270'
ALLOWABLE BUILDING AREA 972,000 SF
AVERAGE AREA PER STORY 54,000SF

TYPE IV-A



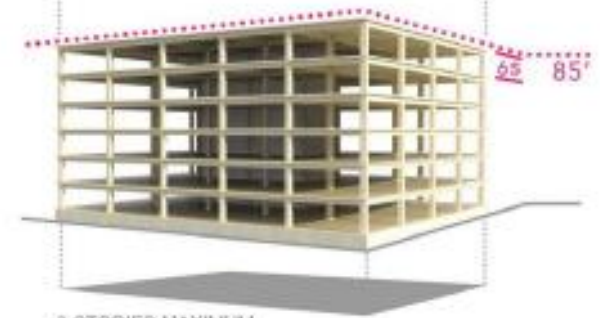
12 STORIES
BUILDING HEIGHT 180 FT
ALLOWABLE BUILDING AREA 648,000 SF
AVERAGE AREA PER STORY 54,000SF

TYPE IV-B



9 STORIES
BUILDING HEIGHT 85'
ALLOWABLE BUILDING AREA 405,000 SF
AVERAGE AREA PER STORY 45,000 SF

TYPE IV-C



6 STORIES MAXIMUM
85'-0" MAXIMUM BUILDING HEIGHT
324,00 SF MAXIMUM AREA

TYPE IV- HT

IBC 2015

324,000 SF
ALLOWABLE BUILDING AREA

54,000 SF
AVERAGE AREA PER STORY

IBC 2021

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.



VAAGEN TIMBERS

KATERRA



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