



Development of High Load Carrying Capacity Shear Wall with Thick Plywood Sheathing for Large Timber Construction

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Summary:

Recently, the numerical value and the technical information of the design are insufficient though an increase of a large timber construction is expected. In this research, a high load carrying capacity shear wall with thick plywood sheathings for the large timber construction was developed, and its static bearing force was confirmed experimentally. And the bearing force of the shear wall was calculated by using past numerical analysis methods. As a result, the development of the wall having the target bearing force succeeded, and the numerical analysis method could be applied to the high load carrying capacity shear wall.

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Resource Link

http://schr.ws/hosted_files/wcte2014/a2/ABS472_Aoki_web.pdf