

**COMPARISON OF BUTT JOINT EFFECTS IN PROFILED STEEL  
SHEET DRY BOARD (PSSDB) WALL PANEL WITH DOOR  
OPENING**

by


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Report is submitted as  
the requirement for the degree of  
**Bachelor Engineering (Hons) (Civil)**

**UNIVERSITI TEKNOLOGI MARA  
OCTOBER 2004**

## DECLARATION

I Samsul Izwan bin Anwar, 2002238718 confirm that the work is my own and that appropriate credit has been given where reference has been made to the work of others.

 21/10/2004  
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## ACKNOWLEDGEMENT

Alhamdulillah, I would like to express my gratitude to the Almighty Allah S.W.T for giving me the courage, guidance and strength for completing this thesis of KJC 537 successfully.

Apart from that, I would like to express my gratitude, thankfulness and sincere appreciation to my supervisor Assoc. Prof. Ir. Siti Hawa Hamzah and Mr Yong Chua Bon for their valuable guidance and advice in completing of this report.

Also not forgetting to the technical staff of Heavy Structure Laboratory, Faculty of Civil Engineering, UiTM Shah Alam, especially Mr Ahmad Razman and Tuan Hj Mat Som Marwi for their cooperation throughout this research.

My sincere thanks go to all my friends especially Shah Razak bin Mohamad for their contributions in so many ways, cooperation, encouragement and spending time together in order to make this research come true successfully.

To my dear parents and family, I owe you all the heartiest gratitude and obligation for your support, financially, mentally and spiritually.

May Almighty Allah S.W.T bless us and be with us all the time. Amin.

## ABSTRACT

The report presents a behavior of a Profiled Steel Sheet Dry Board (PSSDB) with door opening system, which acts as a load-bearing wall.

Three samples of panel were tested in this study. The overall dimension of each sample is 1320mm width and 1000mm height. The door opening dimension is 700mm x 300mm. The overall thickness of each sample is 78mm. This study used Bondek II as a profiled steel sheet and Cemboard as a dry board.

A procedure has been developed for determining the deflection mode, the stress-strain relationship, the cracking pattern and the ultimate load capacity. The average ultimate load capacity for this study was 239.23kN and average maximum lateral displacement was 6.45 mm. The results have been compared with previous students' (Mohd Rashid (2003), Muhammad Zihan (2003) and Muhammad Shahriz (2004)) results.

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