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ACOUSTIC SOLUTIONS

SOUND WELL DEFINED



ACOUSTIC SOLUTIONS....

LET'S HAVE A BALL IN THE BALLROOM, WHILE THE GUEST HAVE THEIR REST

Introduction

Durra Panel is the innovative alternative to expensive multilayered mass systems for noise control. One layer of Durra Panel can reduce the breakout noise from buildings while reducing internal reverberation at the same time.

Our manufacturing philosophy is to provide acoustic roof / ceiling and wall systems that can be configured to meet performance specification requirements for a diverse range of commercial, industrial and residential projects. Durra Panel can also be provided with a range of factory applied laminates that will alter the panel mass and stiffness as required for more specialized acoustic applications.

Durra Building Systems, manufactures a wide range of Zinc steel roof truss and wall girts that are combined with Durra Panel to form high performance modular acoustic systems for roof, ceiling and wall installations. The additional benefit of Durra Building Systems being fully demountable will assist with Green Building Council of Australia (GBCA) Green Star ratings.

Durra Building Systems have a long and proven track record, being used in landmark projects throughout Sri Lanka and around the world. Some of these include studios, airports, arenas, convention centers, power plants. It is a high performance, lightweight system specializing in low frequency noise control combined with a fast and efficient installation method.

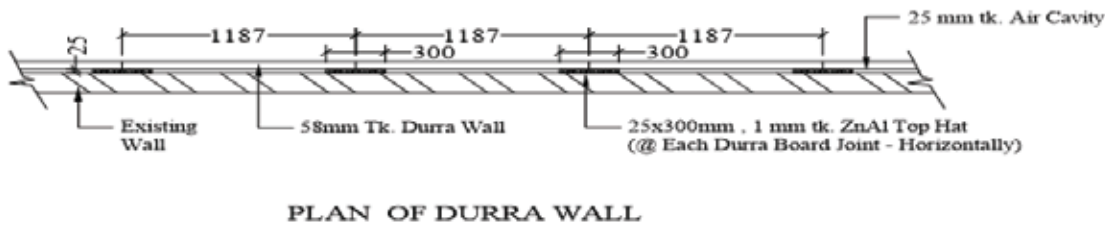
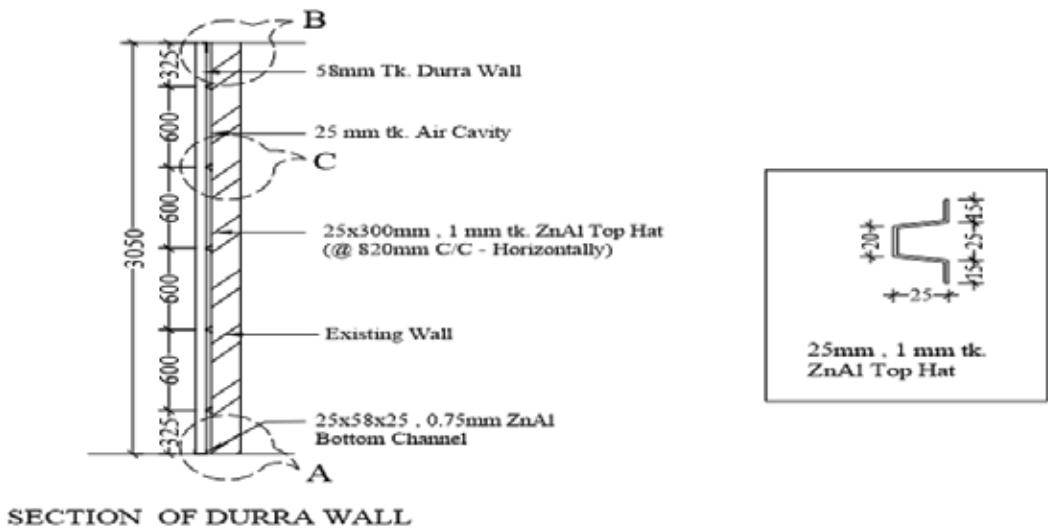
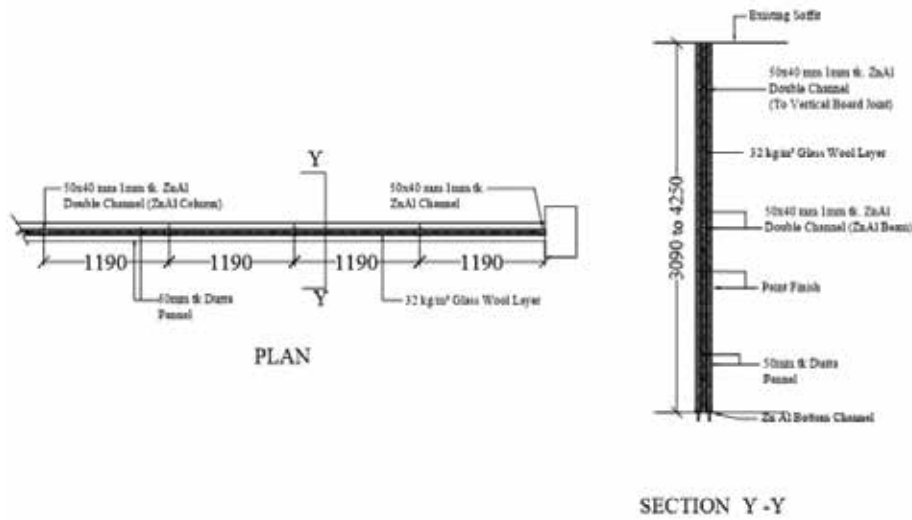
Durra Wall Acoustic Systems

Internal non-load bearing walls Durra Panel can be used on its own as a self-supporting, non-load bearing internal wall. Two Durra Panels separated by an air cavity can be used to form high performance acoustic privacy walls; a disconnected wall system that is self-supporting without the need for structural frames and acoustic mounts.

External Walls Durra Panel can be fixed back to the internal face with "A" profile wall girts to reduce breakout noise from buildings. The Durra Panel finish can be varied to provide internal reverberation and sound transmission loss control while still maintaining a high degree of impact resistance.

Durra Panel can be combined with Durra Steel Section wall girts spaced at 1200mm centers as a complete modular acoustic wall system that can be assembled on the ground and hoisted into position or attached to the structural columns with a riveted cleat connection. It is an innovative installation process for the construction of acoustic building envelopes, which saves time and money while also enhancing site safety for workers.

Product Name	Durra Panel S54 Perforated		
Nominal Thickness	50mm		
Mass	18.5 kg/m2 (nominal)		
Width	(Standard) 1187mm		
Maximum Length	3353 mm		
Face Colour	Brown (Kraft paper)		
Impact Resistance	High		
Embodied Energy	12.6 MJ/m2		
VOC Emissions	99% VOC Free		
STC	34db		
NRC	0.69		



DURRA Acoustic Charactoristics

STC is Sound transmission Class (Loss) is the measurement conform to a international stnaderd which indicated the Sound (soinc) insulation ability of the comoditty tested. DURRA sound insulated panel indicates a STC 38 in accordance ASTM E 413-73.

Revibration time a nother parameter used by acoustitions to tame sound, revibreation time is oftan given as a measurement of decaying time. Decaying time is the time it takes the sound to dimisinsh 60db below the original sound.

Acoustic boards/ Acoustic Doors Acoustic Features.

- 1.)Fast and easy installation,
- 2.)Economical,
- 3.)High STC of 32db Per panel,
- 4.)High NRC 0.63
- 5.)Fire Rated,
- 6.)Superior finish.
- 7.)Modular assembly