

**Autumn 2011**

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SBS Specialised Building Systems recently contributed **Build Smarter** Complex Architectural Framing Solutions to Lillie Apartment Complex.

**PROJECT** – LILLIE APARTMENT COMPLEX – CLAREMONT ST – SOUTH YARRA  
**BUILDER** – ICON CONSTRUCTIONS

**EXTERNAL**

## PREFABRICATED

### FAÇADE & WALL FRAMING SYSTEMS

- COLUMN AND RENOVATION FRAMING
- BOX POP OUTS, FINS AND BLADE FRAMING
- STRUCTURAL FAÇADE/SPANDREL FRAMING
- STRUCTURAL FASCIA & ROOF TRUSS FRAMING
- STRUCTURAL BOX CANTILEVER TRUSS FRAMING
- STRUCTURAL WALL FRAMING
- STRUCTURAL ARCHITECTURAL FRAMING
- STRUCTURAL CANOPIES/AWNINGS AND SOFFIT FRAMING



**SBS** has just recently completed another successful challenging project in conjunction with the façade contractor; SBS designed, engineered and supplied, curved 3 dimensional lightweight structural trussed framing, tapered facade ribbon sections, on this 17 storey development. Framework for all elevations was shop detailed and then simply riveted together, with the curved frames being then preclad off site, before being lifted into place by a small floor hoist. The frames were then simply connected onto a preinstalled cleat system. SBS also fabricated pop out blade feature wall sections some as high as 3000 x 8000 long, also preclad, and lifted into place. With over 8000m<sup>2</sup> of cladding material the cost and time saving to the Builder was incalculable, saving both the façade contractor and Builder real costs on this building. SBS is now currently working on other projects with this builder, seeking ways to save costs by building smarter, without changing the architectural intent.



### BULKHEAD & ARCHITECTURAL FRAMING SYSTEMS

- 'BUILDING SERVICES' FRAMING
- CEILING FRAMES – CURVED & STRAIGHT
- TENANCY WALL SYSTEMS
- COMPLEX ARCHITECTURAL FRAMING SOLUTIONS
- BULKHEAD LADDER FRAMING SYSTEMS
- COLUMN FRAMING SOLUTIONS
- PROFILED BULKHEAD FRAMING SOLUTIONS

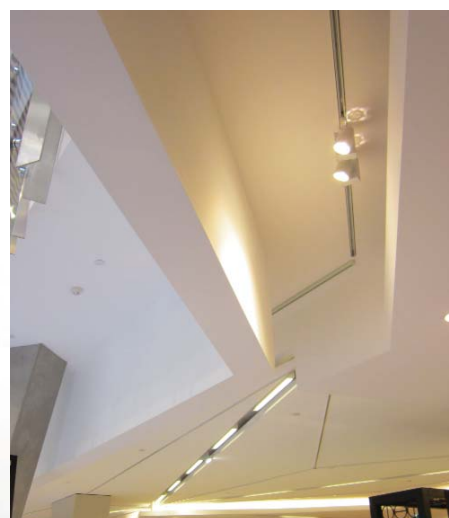




**PROJECT** – MYER MAJOR REFURBISHMENT/ EXTENSION- MELBOURNE CITY  
**BUILDER** – PROBUID CONSTRUCTIONS

**INTERNAL**

**SBS** was recently involved in supplying, designing and shop detailing the internal ceiling framework over 7 levels, with 1000 lineal metres of coffer bulkheads per floor and 40-50 columns of various sizes. SBS was contracted to come up with a cost effective way to construct the architectural coffer and column framing details. After several prototypes were fabricated, SBS supplied 3 plastering contractors for the first 6 levels, all adopting the SBS method on the prefabricated coffers and columns, saving valuable onsite time and cost. SBS then moved to level 7, by far the most challenging. This involved a 3 dimensional raked coffered ceiling, which had to be designed, shop drawn, 3d modelled and delivered on site in sections. This enabled the 4th contractor to assemble the frames and suspend them from the ceiling. SBS engineered the entire framework to take the required timber slat ceiling feature. By SBS prefabricating the internal framework, it helped the Builder achieve his tight program, on a very difficult site application.



**SBS is committed to help move the building industry forward, remember, you can always - BUILD SMARTER**