



TaylorThomsonWhitting

12 March 2009

071416

Rice Daubney
110 Walker Street
North Sydney NSW 2060

Attention: Paul Reidy

PROJECT J – STRUCTURAL PHILOSOPHY

Dear Paul

We have considered your current architectural concepts and have produced a preliminary structure for the above project. Our philosophy for the structure is as follows:

HOTEL

The hotel is a prestressed flat plate concrete framed building. The internal blade columns could be precast. Above the podium the columns are transferred out to the perimeter using transfer blades.

The lateral stability of the building is achieved with the offset core and outrigger beams in both the upper and lower plant rooms. There is no uplift of the core and as such the building will require no anchors.

OFFICE BUILDING

The building is a concrete frame with banded prestressed slab floors. Two rows of columns are offset using transfer blade walls to achieve width for the cross road.

The lateral stability of the building is achieved by using the core. There are no outrigger beams, however there are anchors required to hold the core down.

Both buildings will be founded with footings on rock one level of retaining walls will be required.

EXISTING BUILDING

Part of the existing building will be demolished back to the edge of the residential tower. One of the floor plates will be replaced at a different level. Two columns will be required to be removed in the substation.

Yours faithfully

TAYLOR THOMSON WHITTING (NSW) PTY LTD


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