

**AUSTRALIA'S  
100 TALLEST  
BUILDINGS**

**REINFORCED CONCRETE**

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**RIALTO TOWER, MELBOURNE**



**STEEL  
REINFORCEMENT  
INSTITUTE OF  
AUSTRALIA**



# AUSTRALIA'S 100 TALLEST BUILDINGS

A survey of the 100 tallest buildings in Australia has shown that reinforced concrete is still the most commonly used construction method for high-rise buildings. The economic and structural advantages such as lesser floor-to-floor heights being a major contributing factor to concrete's sustained popularity in the face of recent competition from composite concrete/steel construction and steel framing.

The compilation of a database resulting from the survey was completed by the Steel Reinforcement Institute of Australia in 1993. It lists the height of the top 100 as well as information on the number of storeys, the typical floor-to-floor height, the structural system and the architect, structural engineer and builder.

This information, grouped by city, is presented in this Digest along with a photograph of each building. The data on height and number of storeys follow the guidelines set down by the Council on Tall Buildings and Urban Habitat, in order to present them in a uniform, impartial and widely recognised manner. The information has also been tabled by building use to show concrete's intrinsic ability to perform in any context.

The survey was undertaken by the SRIA in order to determine the overall percentage of reinforced concrete framing in high-rise construction, and to establish whether there were particular areas into which the Institute should direct its various educational activities.

From the data collected, it can be seen that approximately 70% of Australia's 100 tallest buildings are constructed of reinforced concrete; 12% have composite concrete floors with steel framing; 12%, steel frame with concrete core; and 6% are fully steel-framed structures.

One of the facts that immediately stands out from the data is that concrete-framed structures generally have considerably lesser floor-to-floor heights than steel-framed buildings.

In modern office buildings (say post 1974) where modern air conditioning and service requirements have had a major impact on floor-to-floor heights, the average floor-to-floor height for concrete-framed buildings is 3.98 m compared with 4.40 m for fully steel-framed buildings, a saving of 420 mm/floor or 10%. The comparison is necessarily limited, as the statistical base for steel-framed and steel-frame/concrete-core buildings is very small compared to that for reinforced concrete – 9 versus 58.

To the developer this saving in floor-to-floor height can mean the difference of an additional three lettable floors for a 40-storey building. The difference in typical floor-to-floor heights between concrete and steel framing systems appears largely due to the fact that whilst building services such as air conditioning can be economically integrated into reinforced concrete slab-and-beam systems, with steel-frame construction, much more pre-planning as well as expensive fabrication of steel beam sections is required to run services through rather than below the structure.

Another point to note is that because a concrete high-rise building of 40 storeys could be as much as 16 m shorter than a comparable steel-framed building, the developer also saves on the cost of all the associated infrastructure and services which must be built and installed to support the taller structure. This would mean, for example, an additional 16 m of core and columns plus an additional 16-m height of facade, while the provision of the necessary building services such as lift, hydraulic and electrical services would also be more expensive.

Further, the increased height of the building may increase the total dead load of the structure, and the larger profile would increase the effect of wind action. Both would have an effect on the footing requirements – another costly item.

## PHOTOGRAPHY

Melbourne

John Gollings ■ Eric Sierins ■ SRIA

Adelaide

Milton Wordley & Associates

Perth

Richard Woldendorp ■ SRIA

Brisbane

Richard Stringer ■ SRIA

Surfers Paradise

Richard Stringer

Sydney

Eric Sierins ■ SRIA

*The information contained in the 100 Tallest Buildings database was collated from various sources. Although every effort was made to ensure accuracy, there may be some errors or omissions. The SRIA welcomes any information which may be forthcoming that will improve the accuracy and completeness of the database.*

SRIA research of the structure shows that for high-rise buildings, the cost of the structure is typically about 30% of the total development cost. For a \$A150 million project, this translates to a structure cost of around \$A45 million. Savings in the structure cost can thus be seen to have a significant influence on the total development cost.

Reinforced concrete is also much more of a 'pay-as-you-use' method than steel framing which requires a lot of money to be spent in the early stages of the contract for prefabrication of structural components. In this regard, reinforced concrete has a cash-flow advantage over steel.

Speed of construction is another important issue and there has been much evidence in recent years of genuinely short floor cycles of four and even three days. The continued development of new and better construction methods such as high-speed, self-climbing formwork systems; reusable table formwork systems for slab-and-beam construction; self-climbing perimeter-screen and column-form systems; the production of engineered reinforcing fabric and the prefabrication of beam-and-column reinforcement cages; the availability of very-high-strength concretes; plus the ability to pump concrete of even high compressive strength to great heights all contribute to making reinforced concrete the most efficient method for high-rise construction.

Reinforced concrete also requires fewer trades on site, while follow-up work can begin the minute formwork is removed. There are no delays whilst waiting for the structure to be fire proofed.

The advantages of reinforced concrete construction are also being realised internationally. The world's fifth tallest reinforced concrete building, the 309-m Central Plaza in Hong Kong, was recently completed in record time. Contributory factors were the use of high-strength concrete and pumping to a height of 308 m (believed to be a world record). Reinforced concrete provided a \$US30 million saving over a structural-steel alternative.

The Australian reinforced concrete industry has a deservedly high reputation for technical expertise and innovation, including pioneering the use of some of the above-mentioned techniques, which has helped to make it one of the most efficient industries of its kind in the world.

## HOTELS AND RESIDENTIAL BUILDINGS

Fifteen of Australia's tallest buildings are hotels or residential towers, constructed predominantly during the 1980s. All are of reinforced concrete construction due to concrete's inherent benefits where there are lesser beam-span requirements and higher sound-attenuation, thermal-insulation and fire-protection requirements.

Concrete's inherent ability to be shaped has produced a number of notable and award-winning buildings that are both innovative and aesthetically pleasing, a result more difficult to achieve with other structural materials.

Many similar residential towers have been built up to 32 storeys high, especially in Surfers Paradise on Queensland's Gold Coast, which have not made it onto the list due to their very low floor-to-floor heights (commonly around 2.6 m). Again, all are of reinforced concrete construction taking advantage of the benefits noted above to produce modern, high-quality yet economical structures.

### HOTELS

Project	City	Year completed	Height (m)
Regent Hotel	Melbourne	1981	185
Hilton Hotel	Sydney	1974	131
ANA Hotel	Sydney	1992	127
Ramada Renaissance	Sydney	1988	112
Regent Hotel	Sydney	1983	110

### RESIDENTIAL BUILDINGS

Project	City	Year completed	Height (m)
Quay West	Sydney	1991	141
Grand Mariner	Surfers Paradise	1992	139
Peninsula	Surfers Paradise	1980	137
Park Regis	Sydney	1969	136
Imperial Surf	Surfers Paradise	1982	127
Aquarius	Surfers Paradise	1983	125
Miramar	Sydney	1993	114
Atlantis East	Surfers Paradise	1982	113
Atlantis West	Surfers Paradise	1984	113
Inlet	Surfers Paradise	1991	113

### OFFICE BUILDINGS SINCE 1974

Construction material	Number of buildings	Average storey height (m)	Average height difference per storey compared to concrete (mm)
Concrete-frame	58	3.98	—
Composite-frame Concrete-core	9	4.00	+20
Steel-frame Concrete-core	7	4.01	+30
Steel-frame	2	4.40	+420

Total 76

### OFFICE BUILDINGS

From the database it can clearly be seen that office buildings form the vast majority of Australia's tallest buildings (85 of the 100). Sixty-five of these (76%) are of reinforced concrete construction.

Taking 1974 as a datum line for 'modern' office buildings (use of computer floors and larger air conditioning units, etc), the table below sets out information extracted from the database.

RANK	PROJECT ■ PAGE NO. Click name to go to page	LOCATION	YEAR COMPLETED	HEIGHT (m)	NUMBER OF STOREYS	fl/fl (m)	STRUCTURE	USE	CONTRACTOR	ARCHITECT	ENGINEER
1	<a href="#">Rialto Tower ■ 13</a>	Melbourne	1985	242	60	4.03	Concrete	Office	Grocon Ltd	Perrott Lyon Mathieson Pty Ltd and Gerard De Preu & Partners	W L Meinhardt & Partners
2	<a href="#">MLC Centre ■ 30</a>	Sydney	1977	228	60	3.80	Concrete	Office	Civil & Civic Pty Ltd	Harry Seidler & Associates	Miller Milston & Ferris Pty Ltd
3	<a href="#">Governor Phillip Tower ■ 28</a>	Sydney	1993	227	54	4.20	Concrete	Office	Grocon Ltd	Denton Corker Marshall Pty Ltd	Ove Arup & Partners
4	<a href="#">Central Park ■ 20</a>	Perth	1993	226	52	4.35	Composite-frame Concrete-core	Office	Multiplex Constructions Pty Ltd	Forbes & Fitzhardinge	Bruechle, Gilchrist & Evans Pty Ltd
5	<a href="#">Bourke Place ■ 11</a>	Melbourne	1991	224	48	4.67	Concrete	Office	Civil & Civic Pty Ltd	Godfrey & Spowers Australia Pty Ltd	John Connell & Associates
6	<a href="#">120 Collins Street ■ 16</a>	Melbourne	1991	220	52	4.23	Composite-frame Concrete-core	Office	Grocon Ltd	Hassell Architects Pty Ltd and Daryl Jackson Pty Ltd	Connell Wagner
7	<a href="#">Chifley Tower ■ 34</a>	Sydney	1992	215	50	4.30	Steel	Office	Multiplex Constructions (NSW) Pty Ltd	Kohn Pederson Fox/Travis Partners	Flack & Kurtz Australia Pty Ltd
8	<a href="#">R&amp;I Bank Tower ■ 21</a>	Perth	1988	214	52	4.12	Concrete	Office	Multiplex Constructions Pty Ltd	Cameron Chisholm & Nicol Pty Ltd	Ove Arup & Partners
9	<a href="#">Melbourne Central ■ 12</a>	Melbourne	1991	211	55	3.84	Steel-frame Concrete-core	Office	Lewis Construction Company Pty Ltd	Bates Smart & McCutcheon Pty Ltd and Kisho Kurakawa Consultants Pty Ltd	Connell Wagner
10	<a href="#">101 Collins Street ■ 14</a>	Melbourne	1991	195	50	3.90	Steel-frame Concrete-core	Office	Grocon Ltd	Denton Corker Marshall Pty Ltd	Ove Arup & Partners
11	<a href="#">Telecom Corporate ■ 17</a>	Melbourne	1992	193	47	4.11	Concrete	Office	Grocon Ltd	Perrott Lyon Mathieson Pty Ltd	Connell Wagner
12	<a href="#">AMP Centre ■ 31</a>	Sydney	1976	188	45	4.18	Concrete	Office	Mainline Constructions Pty Ltd	Peddle Thorp & Walker Pty Ltd	Rankine & Hill Pty Ltd
13	<a href="#">Qantas Centre ■ 33</a>	Sydney	1982	186	47	3.96	Concrete	Office	Dillingham Corporation	Joseland Gilling	Miller Milston & Ferris Pty Ltd
14	<a href="#">Regent Hotel ■ 15</a>	Melbourne	1981	185	50	3.70	Concrete	Hotel	Mainline Constructions Pty Ltd and E A Watts Pty Ltd	I M Pei & Partners and Bates Smart & McCutcheon Pty Ltd	Connell Wagner
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15	<a href="#">ANZ Bank ■ 17</a>	Melbourne	1981	185	46	4.02	Composite-frame Concrete-core	Office	Mainline Constructions Pty Ltd and E A Watts Pty Ltd	I M Pei & Partners and Bates Smart & McCutcheon Pty Ltd	Connell Wagner
16	<a href="#">Nauru House ■ 17</a>	Melbourne	1977	182	49	3.71	Concrete	Office	Civil & Civic Pty Ltd	Perrott Lyon Timlock & Kesa Pty Ltd	W L Meinhardt & Partners
17	<a href="#">Grosvenor Place ■ 27</a>	Sydney	1988	180	44	4.09	Steel-frame Concrete-core	Office	Concrete Constructions Pty Ltd	Harry Seidler & Associates	Miller Milston & Ferris Pty Ltd
18	<a href="#">Central Plaza One ■ 22</a>	Brisbane	1988	174	44	3.95	Concrete	Office	Thiess Watkins (Constructions) Ltd	Peddle Thorp & Harvey Pty Ltd	Maunsell & Partners
19	<a href="#">Australia Square ■ 29</a>	Sydney	1968	170	46	3.70	Concrete	Office	Civil & Civic Pty Ltd	Harry Seidler & Associates	Miller Milston & Ferris Pty Ltd
20	<a href="#">State Bank Centre ■ 15</a>	Melbourne	1983	169	43	3.93	Concrete	Office	Costain Australia Ltd	Eggleston MacDonald & Secomb Pty Ltd	Irwin Johnston & Partners Pty Ltd
21	<a href="#">530 Collins Street ■ 11</a>	Melbourne	1991	167	40	4.18	Concrete	Office	Holland Stolte and Lewis Construction Company Pty Ltd	Peddle Thorp & Learmonth Pty Ltd	Irwin Johnston & Partners Pty Ltd
22	<a href="#">Casseldon Place ■ 14</a>	Melbourne	992	166	43	3.86	Composite-frame Concrete-core	Office	Boulderstone Hornibrook Pty Ltd	Australian Construction Services and Hassell Architects Pty Ltd	Connell Wagner
23	<a href="#">Gateway Plaza ■ 31</a>	Sydney	1989	164	44	3.73	Concrete	Office	Concrete Constructions Pty Ltd	Peddle Thorp & Walker Pty Ltd and Kann Finch & Partners Pty Ltd	Stigter Clarey & Partners Pty Ltd
24	<a href="#">Hyde Park Square ■ 34</a>	Sydney	1978	164	40	4.10	Steel-frame Concrete-core	Office	T C Whittle Pty Ltd	Kann Finch & Partners Pty Ltd	Rankine & Hill Pty Ltd
25	<a href="#">Waterfront Place ■ 22</a>	Brisbane	1990	162	39	4.15	Concrete	Office	F A Pidgeon & Son	Cameron Chisholm & Nicol (Qld) Pty Ltd	Bornhorst & Ward Pty Ltd
26	<a href="#">ANZ Bank World Headquarters ■ 16</a>	Melbourne	1993	162	37	4.38	Concrete	Office	Grocon Ltd	Peddle Thorp & Learmonth Pty Ltd	Connell Wagner
27	<a href="#">National Bank House ■ 14</a>	Melbourne	1978	161	40	4.03	Concrete	Office	Costain Australia Ltd	Godfrey & Spowers Australia Pty Ltd	Ove Arup & Partners
28	<a href="#">QV1 Tower ■ 20</a>	Perth	1992	156	42	3.71	Concrete	Office	Interstruct/ Kajima	Harry Seidler & Associates	Miller Milston & Ferris Pty Ltd and Airey Ryan & Hill
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29	<b>Commonwealth Bank</b> ■ 13	Melbourne	1975	153	34	4.50	Steel	Office	E A Watts Pty Ltd	Bates Smart & McCutcheon Pty Ltd	Bates Smart & McCutcheon Pty Ltd
30	<b>Capita Centre</b> ■ 29	Sydney	1988	153	31	4.94	Composite-frame Concrete-core	Office	Civil & Civic Pty Ltd	Harry Seidler & Associates	Miller Milston & Ferris Pty Ltd
31	<b>BHP House</b> ■ 12	Melbourne	1972	152	40	3.80	Steel	Office	E A Watts Pty Ltd	Yuncken Freeman Architects Pty Ltd	Irwin Johnston & Partners Pty Ltd
32	<b>1 O'Connell Street</b> ■ 31	Sydney	1991	152	36	4.22	Concrete	Office	Civil & Civic Pty Ltd	Peddle Thorp Architects	Ove Arup & Partners
33	<b>Coopers &amp; Lybrand House</b> ■ 30	Sydney	1988	150	37	4.05	Concrete	Office	Concrete Constructions Pty Ltd	The Rice Daubney Group	Taylor Thomson Whitting Pty Ltd
34	<b>State Bank Centre</b> ■ 28	Sydney	1986	146	36	4.06	Concrete	Office	Civil & Civic Pty Ltd	Peddle Thorp & Walker Pty Ltd	Ove Arup & Partners
35	<b>Governor Macquarie Tower</b> ■ 28	Sydney	1994	145	33	4.39	Concrete	Office	Grocon Ltd	Denton Corker Marshall Pty Ltd	Ove Arup & Partners
36	<b>Collins Wales House</b> ■ 11	Melbourne	1978	142	38	3.74	Composite-frame Concrete-core	Office	E A Watts Pty Ltd	Godfrey & Spowers Australia Pty Ltd	John Connell & Associates
37	<b>Quay West Apartments</b> ■ 32	Sydney	1991	141	44	3.20	Concrete	Resid	Mirvac Constructions Pty Ltd	Henry Pollack & Associates Pty Ltd	Mateffy Perl Nagy Pty Ltd
38	<b>Riverside Centre</b> ■ 22	Brisbane	1986	140	37	3.78	Concrete	Office	Civil & Civic Pty Ltd	Harry Seidler & Associates	Rankine & Hill Pty Ltd
39	<b>Grand Mariner Apartments</b> ■ 24	Surfers Paradise	1992	139	43	3.23	Concrete	Resid	McMaster Constructions (Qld) Pty Ltd	The Hulbert Group	Burchill Stone Buntine & Partners Pty Ltd
40	<b>Telecom Plaza</b> ■ 27	Sydney	1988	139	35	3.97	Concrete	Office	Leighton Contractors Pty Ltd	Kann Finch & Partners Pty Ltd	Miller Milston & Ferris Pty Ltd
41	<b>Exchange Plaza</b> ■ 21	Perth	1992	137	40	3.42	Composite-frame Concrete-core	Office	Multiplex Constructions Pty Ltd	Peddle Thorp Architects and Brand Deykin & Hay	Bruechle Gilchrist & Evans Pty Ltd
42	<b>Peninsula Apartments</b> ■ 25	Surfers Paradise	1980	137	37	3.70	Concrete	Resid	Progress & Properties	Greg Barnes	Moir & Harding
43	<b>Park Regis Apartments</b> ■ 26	Sydney	1969	136	45	3.02	Concrete	Resid	Stocks & Holdings (Constructors) Pty Ltd	Hoffer Reid & Partners	Wargon Chapman & Partners
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44	Shell House ■ 16	Melbourne	1988	136	34	4.00	Concrete	Office	Grocon Ltd	Harry Seidler & Associates	Bonacci Winward Pty Ltd
45	Sydney Central ■ 26	Sydney	1992	136	31	4.39	Concrete	Office	Holland Stolte Pty Ltd	Australian Construction Services and Cameron Chisholm & Nicol (NSW) Pty Ltd	Taylor Thomson Whitting Pty Ltd
46	AMP Centre ■ 22	Brisbane	1978	135	36	3.75	Concrete	Office	Watkins Pacific (Qld) Pty Ltd	Peddle Thorp & Harvey Pty Ltd	McWilliam & Partners
47	State Bank Centre ■ 18	Adelaide	1988	135	31	4.35	Steel-frame Concrete-core	Office	Boulderstone Hornibrook Pty Ltd	Woods Bagot Architects Pty Ltd	Kinhill Engineers Pty Ltd
48	111 George Street ■ 23	Brisbane	1993	135	27	5.00	Concrete	Office	Leighton Contractors Pty Ltd	Robin Gibson & Partners and Bligh Voller Architects	Bornhorst & Ward Pty Ltd
49	Comalco Place ■ 22	Brisbane	1983	134	35	3.83	Concrete	Office	Thiess Watkins (Constructions) Pty Ltd	Peddle Thorp & Harvey Pty Ltd	John Connell & Associates
50	Westpac Plaza ■ 33	Sydney	1980	134	34	3.94	Steel-frame Concrete-core	Office	Concrete Constructions Pty Ltd	Peddle Thorp & Walker Pty Ltd	Ove Arup & Partners
51	St Martins Tower ■ 33	Sydney	1975	133	36	3.69	Concrete	Office	Civil & Civic Pty Ltd	Crooks Michell Peacock Stewart Pty Ltd	Crooks Michell Peacock Stewart Pty Ltd
52	St Martins Tower ■ 19	Perth	1977	133	34	3.91	Concrete	Office	Civil & Civic Pty Ltd	Cameron Chisholm & Nicol Pty Ltd	Cameron Chisholm & Nicol Pty Ltd
53	Westside Tower ■ 28	Sydney	1991	132	32	4.12	Concrete	Office	Multiplex Constructions (NSW) Pty Ltd	Davenport Campbell Pty Ltd	Sinclair Knight & Partners Pty Ltd
54	AMP Centre ■ 21	Perth	1976	132	28	4.71	Concrete	Office	Multiplex Constructions Pty Ltd	Forbes & Fitzhardinge	Rankine & Hill Pty Ltd
55	Hilton Hotel ■ 26	Sydney	1974	131	45	2.91	Concrete	Hotel	Concrete Constructions Pty Ltd	Kolos & Bryant	Rankine & Hill Pty Ltd
56	Northpoint Tower ■ 35	Sydney	1980	131	35	3.74	Concrete	Office	Phillip Lipman Pty Ltd	Kolos & Bryant	Ove Arup & Partners
57	Southgate Tower One ■ 12	Melbourne	1993	131	34	3.85	Steel-frame Concrete-core	Office	Fletcher Construction Australia Ltd	Buchan Laird & Bawden Pty Ltd	Connell Wagner
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58	Capita Centre ■ 13	Melbourne	1988	131	32	4.09	Concrete	Office	Construction Engineering Australia Pty Ltd	Perrott Lyon Timlock & Kesa Pty Ltd	W L Meinhardt & Partners
59	Allendale Square ■ 21	Perth	1977	130	30	4.33	Concrete	Office	Multiplex Constructions Pty Ltd	Cameron Chisholm & Nicol Pty Ltd	Ove Arup & Partners
60	333 Collins Street ■ 13	Melbourne	1992	129	33	3.91	Concrete	Office	Becton Corporation Pty Ltd	Nelson Architects International and Robert Peck Von Hartel Trethowan	Bonacci Winward Pty Ltd
61	AIDC Tower ■ 34	Sydney	1988	128	35	3.66	Concrete	Office	Leighton Contractors Pty Ltd	Peddle Thorp Architects	Mateffy Perl Nagy Pty Ltd
62	State Office Block ■ 35	Sydney	1967	128	32	4.00	Concrete	Office	Perini Pty Ltd	NSW Government Architect	Taylor Thomson Whitting Pty Ltd
63	ANA Hotel ■ 34	Sydney	1992	127	40	3.17	Concrete	Hotel	Civil & Civic Pty Ltd	Mitchell Giurgola & Thorp Pty Ltd	Connell Wagner
64	Imperial Surf Apartments ■ 25	Surfers Paradise	1982	127	40	3.17	Concrete	Resid	Progress & Properties	Alan Chan	Moir & Harding
65	Barclays House ■ 29	Sydney	1978	127	35	3.63	Concrete	Office	Mainline Constructions Pty Ltd and Concrete Constructions Pty Ltd	Peddle Thorp & Walker Pty Ltd	Ove Arup & Partners
66	National Australia Bank ■ 35	Sydney	1988	127	32	3.97	Concrete	Office	Civil & Civic Pty Ltd	Peddle Thorp & Walker Pty Ltd	Ove Arup & Partners
67	American Express Tower ■ 35	Sydney	1979	127	32	3.97	Concrete	Office	Samebo Pty Ltd	John Andrews International Pty Ltd	Wargon Chapman & Partners
68	IBM Centre ■ 30	Sydney	1993	126	32	3.94	Concrete	Office	Civil & Civic Pty Ltd	Harry Seidler & Associates and Lend Lease Design Group	Lend Lease Design Group
69	ACI House ■ 14	Melbourne	1981	126	32	3.94	Concrete	Office	Grocon Ltd	Gerard De Preu & Partners	Bonacci Winward Pty Ltd
70	Aquarius Apartments ■ 25	Surfers Paradise	1983	125	40	3.12	Concrete	Resid	Progress & Properties	Alan Chan	Moir & Harding
71	Piccadilly Plaza ■ 26	Sydney	1992	122	31	3.94	Concrete	Office	Multiplex Constructions (NSW) Pty Ltd	Hely & Horne Stuart & Perry	Taylor Thomson Whitting Pty Ltd
72	Marland House ■ 15	Melbourne	1975	121	32	3.78	Concrete	Office	Costain Australia Ltd and Dillingham Corporation	E G Kolle & Associates	E G Kolle & Associates
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73	University of Technology ■ 27	Sydney	1978	120	33	3.64	Concrete	Office	T C Whittle Pty Ltd	NSW Government Architect	Woolacott Hale Corlett & Jumikis Pty Ltd
74	Commonwealth Bank ■ 23	Brisbane	1989	120	32	3.75	Concrete	Office	Watkins Pacific (Qld) Pty Ltd	Conrad & Gargett Pty Ltd	McWilliam & Partners
75	National Mutual Centre ■ 32	Sydney	1977	120	32	3.75	Composite-frame Concrete-core	Office	F T Eastment & Sons Pty Ltd	Alexander Kann Finch & Partners Pty Ltd	Rankine & Hill Pty Ltd
76	KPMG Centre ■ 32	Sydney	1992	120	30	4.00	Concrete	Office	Mirvac Constructions Pty Ltd	Henry Pollack & Associates Pty Ltd	Wargon Chapman & Partners
77	Royal Bank Plaza ■ 13	Melbourne	1973	120	30	4.00	Concrete	Office	Civil & Civic Pty Ltd	Demaine Russell Trundle Armstrong & Orton	Civil & Civic Pty Ltd
78	Metroplaza ■ 34	Sydney	1992	120	28	4.29	Concrete	Office	Girvan Bros and Multiplex (NSW) Pty Ltd	The Rice Daubney Group	Taylor Thomson Whitting Pty Ltd
79	NZI Building ■ 33	Sydney	1977	118	30	3.93	Concrete	Office	Mainline Constructions Pty Ltd	Peddle Thorp & Walker Pty Ltd	Taylor Thomson Whitting Pty Ltd
80	Remington Centre ■ 30	Sydney	1981	117	33	3.55	Concrete	Office	Stockland Constructors Pty Ltd	Hoffer Reid & Partners	Mateffy Perl Nagy Pty Ltd
81	Westpac Bank ■ 32	Sydney	1971	117	30	3.90	Concrete	Office	Mainline Constructions Pty Ltd	Peddle Thorp & Walker Pty Ltd	Ove Arup & Partners
82	Commonwealth Bank ■ 30	Sydney	1988	116	32	3.62	Concrete	Office	A W Edwards Pty Ltd	Smith Jesse Payne & Hunt	Woolacott Hale Corlett & Jumikis Pty Ltd
83	AMP Building ■ 31	Sydney	1962	115	28	4.11	Concrete	Office	Concrete Constructions Pty Ltd	Peddle Thorp & Walker	Rankine & Hill Pty Ltd
84	The Miramar Apartments ■ 27	Sydney	1993	114	38	3.00	Concrete	Resid	Meriton Properties Pty Ltd	Meriton Apartments Pty Ltd	Meriton Apartments Pty Ltd
85	Law Courts ■ 27	Sydney	1976	114	32	3.56	Concrete	Office	T C Whittle Pty Ltd	McConnel Smith & Johnson Pty Ltd	Bond James Laron Pty Ltd
86	Atlantis Apartments West ■ 24	Surfers Paradise	1984	113	37	3.05	Concrete	Resid	Graham Evans Pty Ltd	Davis Heather Group	Burchill Stone Buntine & Partners Pty Ltd
87	Atlantis Apartments East ■ 24	Surfers Paradise	1982	113	37	3.05	Concrete	Resid	Graham Evans Pty Ltd	Davis Heather Group	Burchill Stone Buntine & Partners Pty Ltd
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88	<a href="#">The Inlet Apartments ■ 25</a>	Surfers Paradise	1991	113	35	3.23	Concrete	Resid	Watkins Pacific (Qld) Pty Ltd	Heather Thiedeke Group	Burchill Stone Buntine & Partners Pty Ltd
89	<a href="#">AMP Square ■ 16</a>	Melbourne	1969	113	28	4.04	Concrete	Office	E A Watts Pty Ltd	Bates Smart & McCutcheon Pty Ltd	Bates Smart & McCutcheon Pty Ltd
90	<a href="#">Ramada Renaissance ■ 29</a>	Sydney	1988	112	32	3.50	Concrete	Hotel	Concrete Constructions Pty Ltd	Stephenson & Turner International Pty Ltd	Maunsell & Partners Pty Ltd
91	<a href="#">Norwich House ■ 33</a>	Sydney	1970	111	32	3.47	Concrete	Office	Concrete Constructions Pty Ltd	Stephenson & Turner International Pty Ltd	Stephenson & Turner International Pty Ltd
92	<a href="#">Southgate Tower Two ■ 12</a>	Melbourne	1992	111	28	3.96	Concrete	Office	Fletcher Construction Australia Ltd	Buchan Laird & Bawden	Connell Wagner
93	<a href="#">Regent Hotel ■ 31</a>	Sydney	1983	110	32	3.44	Concrete	Hotel	Civil & Civic Pty Ltd	Davis Heather Group and Dysart Pty Ltd	Civil & Civic Pty Ltd
94	<a href="#">MLC Centre ■ 23</a>	Brisbane	1975	110	32	3.44	Concrete	Office	Civil & Civic Pty Ltd	Bligh Jessup Bretnall	Bornhorst & Ward Pty Ltd
95	<a href="#">State Law Building ■ 23</a>	Brisbane	1978	110	30	3.67	Concrete	Office	E A Watts Pty Ltd	Conrad & Gargett Pty Ltd	R J McWilliam Pty Ltd
96	<a href="#">Celsius House ■ 15</a>	Melbourne	1978	110	30	3.67	Composite-frame Concrete-core	Office	Costain Australia Ltd	McIntyre Partnership Pty Ltd	Kinhill Engineers Pty Ltd
97	<a href="#">Goldfields House ■ 29</a>	Sydney	1965	110	30	3.67	Steel	Office	Mainline Constructions Pty Ltd	Peddle Thorp & Walker	Rankine & Hill Pty Ltd
98	<a href="#">Forrest Centre ■ 19</a>	Perth	1988	110	28	3.93	Concrete	Office	Multiplex Constructions Pty Ltd	Robert Cann & Associates	Ove Arup & Partners
99	<a href="#">Capita Centre ■ 19</a>	Perth	1976	110	28	3.93	Concrete	Office	Civil & Civic Pty Ltd	Lend Lease Design Group	Lend Lease Design Group
100	<a href="#">MMBW House ■ 17</a>	Melbourne	1978	110	26	4.23	Concrete	Office	E A Watts Pty Ltd	Perrott Lyon Timlock & Kesa Pty Ltd	W L Meinhardt & Partners

5

## BOURKE PLACE

Office ■ 1991

Concrete

48 storeys ■ 224 m ■ 4.67 m fl/fl

Civil & Civic Pty Ltd [CONTRACTOR](#)

Godfrey & Spowers Australia  
Pty Ltd [ARCHITECT](#)

John Connell & Associates  
[ENGINEER](#)



36

## COLLINS WALES HOUSE

Office ■ 1978

Composite frame Concrete core

38 storeys ■ 142 m ■ 3.74 m fl/fl

E A Watts Pty Ltd [CONTRACTOR](#)

Godfrey & Spowers Australia  
Pty Ltd [ARCHITECT](#)

John Connell & Associates  
[ENGINEER](#)



21

## 530 COLLINS STREET

Office ■ 1991

Concrete

40 storeys ■ 167 m ■ 4.18 m fl/fl

Holland Stolte and Lewis  
Construction Company Pty Ltd  
[CONTRACTOR](#)

Peddle Thorp & Learmonth Pty Ltd  
[ARCHITECT](#)

Irwin Johnston & Partners Pty Ltd  
[ENGINEER](#)







31

**BHP HOUSE**

Office ■ 1972

Steel

40 storeys ■ 152 m ■ 3.80 m fl/fl

E A Watts Pty Ltd [CONTRACTOR](#)Yuncken Freeman Architects Pty Ltd  
[ARCHITECT](#)Irwin Johnston & Partners Pty Ltd  
[ENGINEER](#)

6

**MELBOURNE CENTRAL**

Office ■ 1991

Steel frame Concrete core

55 storeys ■ 211 m ■ 3.84 m fl/fl

Lewis Construction Company Pty Ltd  
[CONTRACTOR](#)Bates Smart & McCutcheon Pty Ltd and Kisho Kurakawa Consultants Pty Ltd  
[ARCHITECT](#)Connell Wagner [ENGINEER](#)

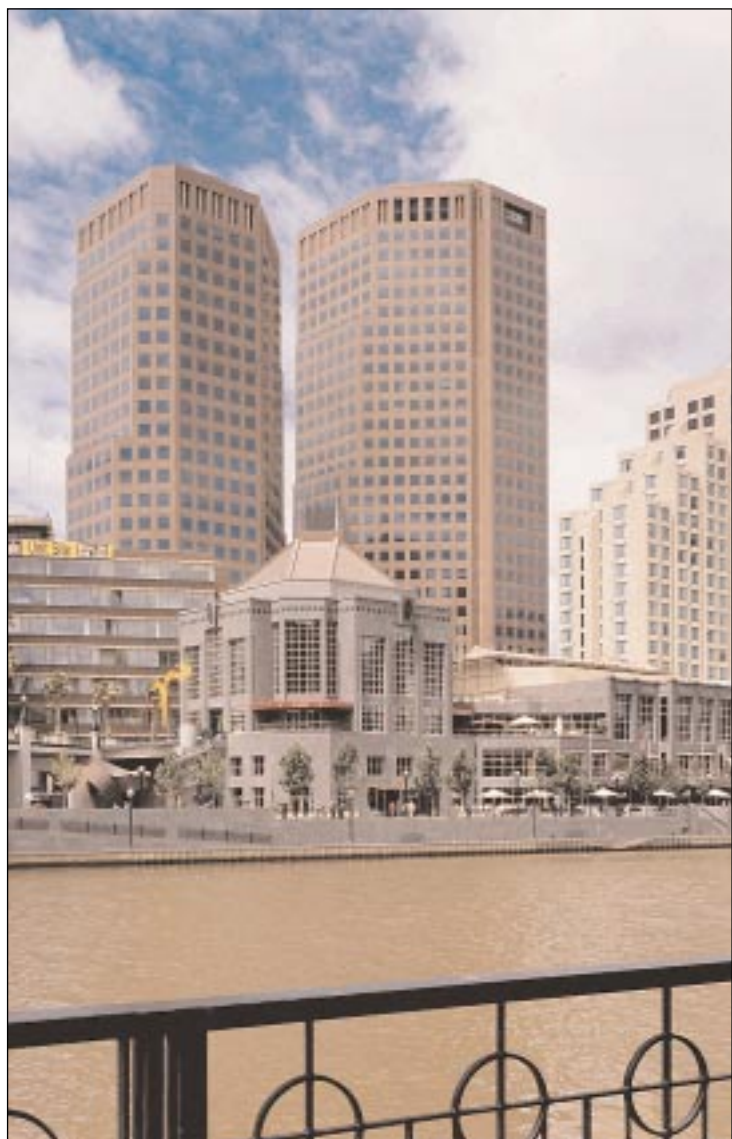
57

**SOUTHGATE TOWER ONE**

Office ■ 1993

Steel frame Concrete core

34 storeys ■ 131 m ■ 3.85 m fl/fl

Fletcher Construction Australia Ltd  
[CONTRACTOR](#)Buchan Laird & Bawden Pty Ltd  
[ARCHITECT](#)Connell Wagner [ENGINEER](#)

92

**SOUTHGATE TOWER TWO**

Office ■ 1992

Concrete

28 storeys ■ 111 m ■ 3.96 m fl/fl

Fletcher Construction Australia Ltd  
[CONTRACTOR](#)Buchan Laird & Bawden Pty Ltd  
[ARCHITECT](#)Connell Wagner [ENGINEER](#)

1

# **RIALTO TOWER**

Office ■ 1985

Concrete

60 storeys ■ 242 m ■ 4.03 m fl/fl

Grocon Ltd **CONTRACTOR**

Perrott Lyon Mathieson Pty Ltd  
and Gerard De Prev & Partners

**ARCHITECT**

W L Meinhardt & Partners **ENGINEER**



29

# **COMMONWEALTH BANK**

Office ■ 1975

Steel

34 storeys ■ 153 m ■ 4.50 m fl/fl

E A Watts Pty Ltd **CONTRACTOR**

Bates Smart & McCutcheon Pty Ltd  
**ARCHITECT**

Bates Smart & McCutcheon Pty Ltd  
**ENGINEER**

60

# **333 COLLINS STREET**

Office ■ 1992

Concrete

33 storeys ■ 129 m ■ 3.91 m fl/fl

Becton Corporation Pty Ltd

**CONTRACTOR**

Nelson Architects International  
and Robert Peck Von Hartel  
Trethowan **ARCHITECT**

Bonacci Winward Pty Ltd **ENGINEER**



58

# **CAPITA CENTRE**

Office ■ 1988

Concrete

32 storeys ■ 131 m ■ 4.09 m fl/fl

Construction Engineering Australia  
Pty Ltd **CONTRACTOR**

Perrott Lyon Timlock & Kesa  
**ARCHITECT**

W L Meinhardt & Partners  
**ENGINEER**



77

# **ROYAL BANK PLAZA**

Office ■ 1973

Concrete

30 storeys ■ 120 m ■ 4.00 m fl/fl

Civil & Civic Pty Ltd **CONTRACTOR**

Demaine Russell Trundle  
Armstrong & Orton **ARCHITECT**

Civil & Civic Pty Ltd **ENGINEER**



10

### 101 COLLINS STREET

Office ■ 1991

Steel frame Concrete core

50 storeys ■ 195 m ■ 3.90 m fl/fl

Grocon Ltd [CONTRACTOR](#)

Denton Corker Marshall Pty Ltd  
[ARCHITECT](#)

Ove Arup & Partners [ENGINEER](#)



### NATIONAL BANK HOUSE

Office ■ 1978

Concrete

40 storeys ■ 161 m ■ 4.03 m fl/fl

Costain Australia Ltd [CONTRACTOR](#)

Godfrey & Spowers Australia  
Pty Ltd [ARCHITECT](#)

Ove Arup & Partners [ENGINEER](#)



69

### ACI HOUSE

Office ■ 1981

Concrete

32 storeys ■ 126 m ■ 3.94 m fl/fl

Grocon Ltd [CONTRACTOR](#)

Gerard De Prev & Partners  
[ARCHITECT](#)

Bonacci Winward Pty Ltd [ENGINEER](#)

22

### CASSELDON PLACE

Office ■ 1992

Composite frame Concrete core

43 storeys ■ 166 m ■ 3.86 m fl/fl

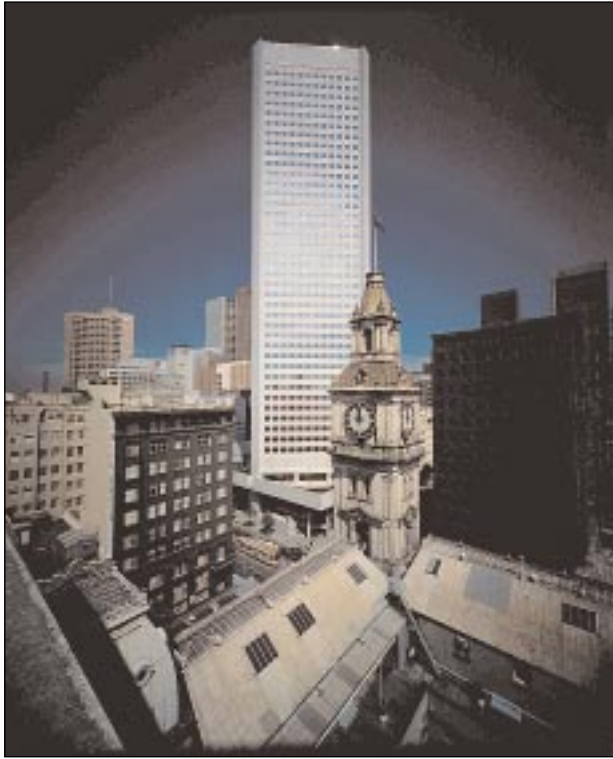
Baulderstone Hornibrook Pty Ltd  
[CONTRACTOR](#)

Australian Construction Services  
and Hassell Architects Pty Ltd  
[ARCHITECT](#)

Connell Wagner [ENGINEER](#)







20

### STATE BANK CENTRE

Office ■ 1983

Concrete

43 storeys ■ 169 m ■ 3.93 m fl/fl

Costain Australia Ltd [CONTRACTOR](#)

Eggleston MacDonald & Secomb Pty Ltd [ARCHITECT](#)

Irwin Johnston & Partners Pty Ltd [ENGINEER](#)



96

### CELSIUS HOUSE

Office ■ 1978

Composite frame Concrete core

30 storeys ■ 110 m ■ 3.67 m fl/fl

Costain Australia Ltd [CONTRACTOR](#)

McIntyre Partnership Pty Ltd [ARCHITECT](#)

Kinhill Engineers Pty Ltd [ENGINEER](#)



72

### MARLAND HOUSE

Office ■ 1975

Concrete

32 storeys ■ 121 m ■ 3.78 m fl/fl

Costain Australia Ltd and Dillingham Corporation [CONTRACTOR](#)

E G Kolle & Associates [ARCHITECT](#)

E G Kolle & Associates [ENGINEER](#)



14

### REGENT HOTEL

Hotel ■ 1981

Concrete

50 storeys ■ 185 m ■ 3.70 m fl/fl

Mainline Constructions Pty Ltd and E A Watts Pty Ltd [CONTRACTOR](#)

I M Pei & Partners and Bates Smart & McCutcheon Pty Ltd [ARCHITECT](#)

Connell Wagner [ENGINEER](#)





89

### AMP SQUARE

Office ■ 1969

Concrete

28 storeys ■ 113 m ■ 4.04 m fl/fl

E A Watts Pty Ltd [CONTRACTOR](#)

Bates Smart & McCutcheon Pty Ltd  
[ARCHITECT](#)

Bates Smart & McCutcheon Pty Ltd  
[ENGINEER](#)



6

### 120 COLLINS STREET

Office ■ 1991

Composite frame Concrete core

52 storeys ■ 220 m ■ 4.23 m fl/fl

Grocon Ltd [CONTRACTOR](#)

Hassell Architects Pty Ltd and  
Daryl Jackson Pty Ltd [ARCHITECT](#)

Connell Wagner [ENGINEER](#)



44

### SHELL HOUSE

Office ■ 1988

Concrete

34 storeys ■ 136 m ■ 4.00 m fl/fl

Grocon Ltd [CONTRACTOR](#)

Harry Seidler & Associates  
[ARCHITECT](#)

Bonacci Winward Pty Ltd [ENGINEER](#)



26

### ANZ BANK WORLD HEADQUARTERS

Office ■ 1993

Concrete

37 storeys ■ 162 m ■ 4.38 m fl/fl

Grocon Ltd [CONTRACTOR](#)

Peddle Thorp & Learmonth Pty Ltd  
[ARCHITECT](#)

Connell Wagner [ENGINEER](#)

100

# MMBW HOUSE

Office ■ 1978

Concrete

26 storeys ■ 110 m ■ 4.23 m fl/fl

E A Watts Pty Ltd [CONTRACTOR](#)

Perrott Lyon Timlock & Kesa Pty Ltd  
[ARCHITECT](#)

W L Meinhardt & Partners  
[ENGINEER](#)



15

# ANZ BANK

Office ■ 1981

Composite frame Concrete core

46 storeys ■ 185 m ■ 4.02 m fl/fl

Mainline Constructions Pty Ltd  
and E A Watts Pty Ltd [CONTRACTOR](#)

I M Pei & Partners and Bates  
Smart & McCutcheon Pty Ltd  
[ARCHITECT](#)

Connell Wagner [ENGINEER](#)



11

# TELECOM CORPORATE

Office ■ 1992

Concrete

47 storeys ■ 193 m ■ 4.11 m fl/fl

Grocon Ltd [CONTRACTOR](#)

Perrott Lyon Mathieson Pty Ltd  
[ARCHITECT](#)

Connell Wagner [ENGINEER](#)



16

# NAURU HOUSE

Office ■ 1977

Concrete

49 storeys ■ 182 m ■ 3.71 m fl/fl

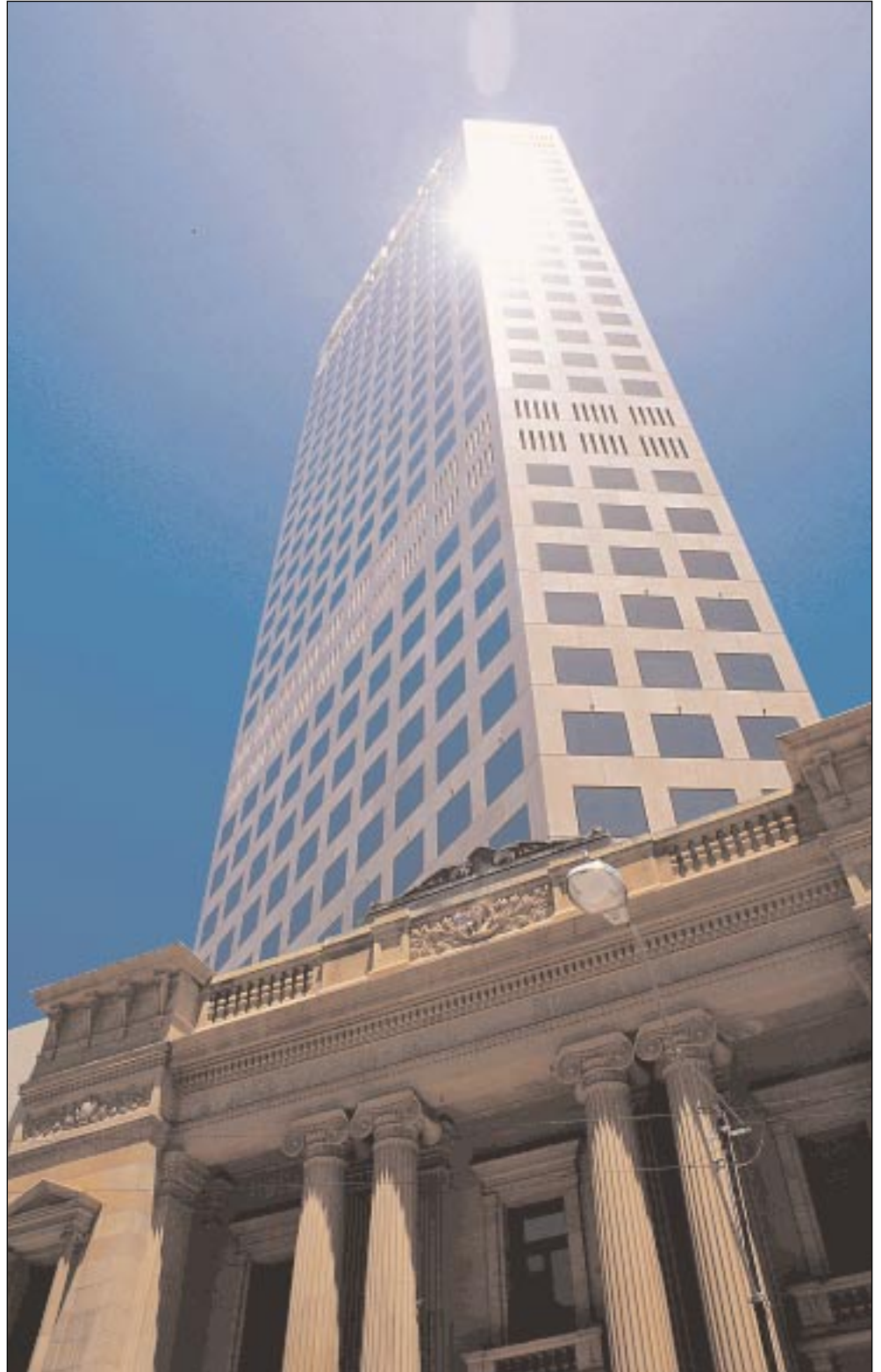
Civil & Civic Pty Ltd [CONTRACTOR](#)

Perrott Lyon Timlock & Kesa Pty  
Ltd [ARCHITECT](#)

W L Meinhardt & Partners  
[ENGINEER](#)







### STATE BANK CENTRE

Office ■ 1988

Steel frame Concrete core

31 storeys ■ 135m ■ 4.35 m fl/fl

Boulderstone Hornibrook Pty Ltd  
CONTRACTOR

Woods Bagot Architects Pty Ltd  
ARCHITECT

Kinhill Engineers Pty Ltd ENGINEER

86

### FORREST CENTRE

Office ■ 1988

Concrete

28 storeys ■ 110 m ■ 3.93 m fl/fl

Multiplex Construction Pty Ltd

CONTRACTOR

Robert Cann & Associates

ARCHITECT

Ove Arup & Partners ENGINEER



69

### CAPITA CENTRE

Office ■ 1976

Concrete

28 storeys ■ 110 m ■ 3.93 m fl/fl

Civil & Civic Pty Ltd CONTRACTOR

Lend Lease Design Group

ARCHITECT

Lend Lease Design Group ENGINEER



52

### ST MARTINS TOWER

Office ■ 1977

Concrete

34 storeys ■ 133 m ■ 3.91 m fl/fl

Civil & Civic Pty Ltd CONTRACTOR

Cameron Chisholm & Nicol Pty Ltd

ARCHITECT

Cameron Chisholm & Nicol Pty Ltd

ENGINEER

PERTH

19



28

**QV1 TOWER**

Office ■ 1992

Concrete

42 storeys ■ 156 m ■ 3.71 m fl/fl

Interstruct/Kajima [CONTRACTOR](#)

Harry Seidler &amp; Associates

[ARCHITECT](#)Miller Milston & Ferris Pty Ltd and  
Airey Ryan & Hill [ENGINEER](#)

4

**CENTRAL PARK**

Office ■ 1993

Composite frame Concrete core

52 storeys ■ 226 m ■ 4.35 m fl/fl

Multiplex Constructions Pty Ltd  
[CONTRACTOR](#)Forbes & Fitzhardinge [ARCHITECT](#)Bruechle Gilchrist & Evans Pty Ltd  
[ENGINEER](#)



54

### AMP CENTRE

Office ■ 1976

Concrete

28 storeys ■ 132 m ■ 4.71 m fl/fl

Multiplex Constructions Pty Ltd  
CONTRACTOR

Forbes & Fitzhardinge ARCHITECT

Rankine & Hill Pty Ltd ENGINEER

8

### R & I BANK TOWER

Office ■ 1988

Concrete

52 storeys ■ 214 m ■ 4.12 m fl/fl

Multiplex Constructions Pty Ltd  
CONTRACTOR

Cameron Chisholm & Nicol Pty Ltd  
ARCHITECT

Ove Arup & Partners ENGINEER

59

### ALLENDALE SQUARE

Office ■ 1977

Concrete

30 storeys ■ 130 m ■ 4.33 m fl/fl

Multiplex Constructions Pty Ltd  
CONTRACTOR

Cameron Chisholm & Nicol Pty Ltd  
ARCHITECT

Ove Arup & Partners ENGINEER

41

### EXCHANGE PLAZA

Office ■ 1992

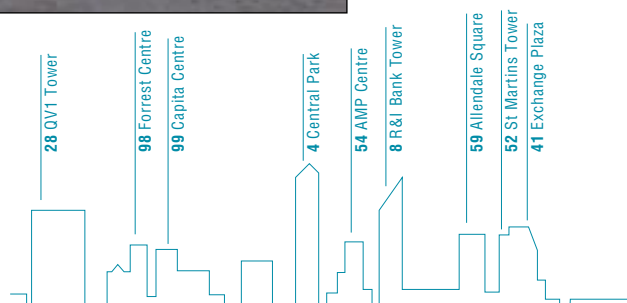
Composite frame Concrete core

40 storeys ■ 137 m ■ 3.42 m fl/fl

Multiplex Constructions Pty Ltd  
CONTRACTOR

Peddle Thorp Architects and Brand  
Deykin & Hay ARCHITECT

Bruechle Gilchrist & Evans Pty Ltd  
ENGINEER





25

### WATERFRONT PLACE

Office ■ 1990

Concrete

39 storeys ■ 162 m ■ 4.15 m fl/fl

F A Pidgeon & Son **CONTRACTOR**

Cameron Chisholm & Nicol (Qld) Pty Ltd **ARCHITECT**

Bornhorst & Ward Pty Ltd **ENGINEER**

46

### AMP CENTRE

Office ■ 1978

Concrete

36 storeys ■ 135 m ■ 3.75 m fl/fl

Watkins Pacific (Qld) Pty Ltd **CONTRACTOR**

Peddle Thorp & Harvey Pty Ltd **ARCHITECT**

McWilliam & Partners **ENGINEER**

49

### COMALCO PLACE

Office ■ 1983

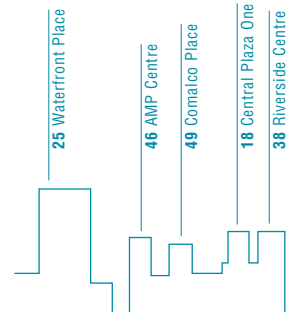
Concrete

35 storeys ■ 134 m ■ 3.83 m fl/fl

Thiess Watkins (Constructions) Ltd **CONTRACTOR**

Peddle Thorp & Harvey Pty Ltd **ARCHITECT**

John Connell & Associates **ENGINEER**



18

### CENTRAL PLAZA ONE

Office ■ 1988

Concrete

44 storeys ■ 174 m ■ 3.95 m fl/fl

Thiess Watkins (Constructions) Ltd **CONTRACTOR**

Peddle Thorp & Harvey Pty Ltd **ARCHITECT**

Maunsell & Partners **ENGINEER**

38

### RIVERSIDE CENTRE

Office ■ 1986

Concrete

37 storeys ■ 140 m ■ 3.78 m fl/fl

Civil & Civic Pty Ltd **CONTRACTOR**

Harry Seidler & Associates **ARCHITECT**

Rankine & Hill Pty Ltd **ENGINEER**

94

### MLC CENTRE

Office ■ 1975

Concrete

32 storeys ■ 110 m ■ 3.44 m fl/fl

Civil & Civic Pty Ltd [CONTRACTOR](#)

Bligh Jessup Bretnall [ARCHITECT](#)

Bornhorst & Ward Pty Ltd [ENGINEER](#)



48

### 111 GEORGE STREET

Office ■ 1993

Concrete

27 storeys ■ 135 m ■ 5.00 m fl/fl

Leighton Contractors Pty Ltd  
[CONTRACTOR](#)

Robin Gibson & Partners and  
Bligh Voller Architects [ARCHITECT](#)

Bornhorst & Ward Pty Ltd [ENGINEER](#)



95

### STATE LAW BUILDING

Office ■ 1978

Concrete

30 storeys ■ 110 m ■ 3.67 m fl/fl

E A Watts Pty Ltd [CONTRACTOR](#)

Conrad & Gargett Pty Ltd  
[ARCHITECT](#)

R J McWilliam Pty Ltd [ENGINEER](#)



74

### COMMONWEALTH BANK

Office ■ 1989

Concrete

32 storeys ■ 120 m ■ 3.75 m fl/fl

Watkins Pacific (Qld) Pty Ltd  
[CONTRACTOR](#)

Conrad & Gargett Pty Ltd  
[ARCHITECT](#)

McWilliam & Partners [ENGINEER](#)



39

### GRAND MARINER APARTMENTS

Residential ■ 1992

Concrete

43 storeys ■ 139 m ■ 3.23 m fl/fl

McMaster Constructions (Qld)  
Pty Ltd [CONTRACTOR](#)

The Hulbert Group [ARCHITECT](#)

Burchill Stone Buntine & Partners  
Pty Ltd [ENGINEER](#)



86

### ATLANTIS APARTMENTS WEST

Residential ■ 1984

Concrete

37 storeys ■ 113 m ■ 3.05 m fl/fl

Graham Evans Pty Ltd [CONTRACTOR](#)

Davis Heather Group [ARCHITECT](#)

Burchill Stone Buntine & Partners  
Pty Ltd [ENGINEER](#)



87

### ATLANTIS APARTMENTS EAST

Residential ■ 1982

Concrete

37 storeys ■ 113 m ■ 3.05 m fl/fl

Graham Evans Pty Ltd [CONTRACTOR](#)

Davis Heather Group [ARCHITECT](#)

Burchill Stone Buntine & Partners  
Pty Ltd [ENGINEER](#)

64

### IMPERIAL SURF APARTMENTS

Residential ■ 1982

Concrete

40 storeys ■ 127 m ■ 3.17 m fl/fl

Progress & Properties [CONTRACTOR](#)

Alan Chan [ARCHITECT](#)

Moir & Harding [ENGINEER](#)



70

### AQUARIUS APARTMENTS

Residential ■ 1983

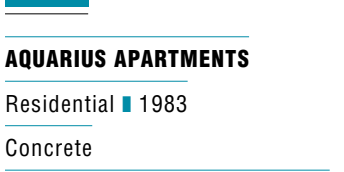
Concrete

40 storeys ■ 125 m ■ 3.12 m fl/fl

Progress & Properties [CONTRACTOR](#)

Alan Chan [ARCHITECT](#)

Moir & Harding [ENGINEER](#)



88

### THE INLET APARTMENTS

Residential ■ 1991

Concrete

35 storeys ■ 113 m ■ 3.23 m fl/fl

Watkins Pacific (Qld) Pty Ltd  
[CONTRACTOR](#)

Heather Thiedeke Group [ARCHITECT](#)

Burchill Stone Buntine & Partners  
Pty Ltd [ENGINEER](#)

42

### PENINSULA APARTMENTS

Residential ■ 1980

Concrete

37 storeys ■ 137 m ■ 3.70 m fl/fl

Progress & Properties [CONTRACTOR](#)

Greg Barnes [ARCHITECT](#)

Moir & Harding [ENGINEER](#)







45

### SYDNEY CENTRAL

Office ■ 1992

Concrete

31 storeys ■ 136 m ■ 4.39 m fl/fl

Holland Stolte Pty Ltd [CONTRACTOR](#)

Australian Construction Services  
and Cameron Chisholm & Nicol  
(NSW) Pty Ltd [ARCHITECT](#)

Taylor Thomson Whitting Pty Ltd  
[ENGINEER](#)



71

### PICCADILLY PLAZA

Office ■ 1992

Concrete

31 storeys ■ 122 m ■ 3.94 m fl/fl

Multiplex Constructions (NSW)  
Pty Ltd [CONTRACTOR](#)

Hely & Horne Stuart & Perry  
[ARCHITECT](#)

Taylor Thomson Whitting Pty Ltd  
[ENGINEER](#)



43

### PARK REGIS APARTMENTS

Residential ■ 1969

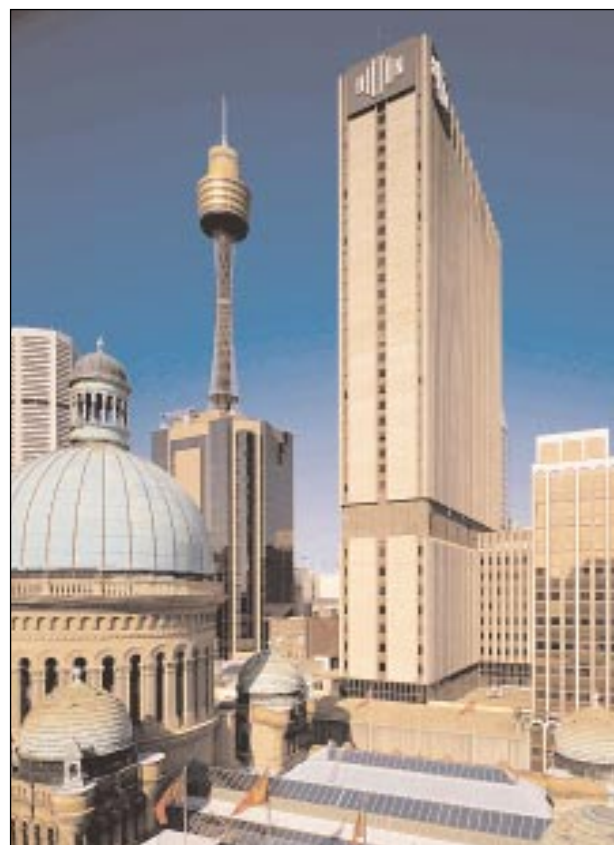
Concrete

45 storeys ■ 136 m ■ 3.02 m fl/fl

Stocks & Holdings (Constructors)  
Pty Ltd [CONTRACTOR](#)

Hoffer Reid & Partners [ARCHITECT](#)

Wargon Chapman & Partners  
[ENGINEER](#)



55

### HILTON HOTEL

Hotel ■ 1974

Concrete

45 storeys ■ 131 m ■ 2.91 m fl/fl

Concrete Constructions Pty Ltd  
[CONTRACTOR](#)

Kolos & Bryant [ARCHITECT](#)

Rankine & Hill Pty Ltd [ENGINEER](#)



84

### THE MIRAMAR APARTMENTS

Residential ■ 1993

Concrete

38 storeys ■ 114 m ■ 3.00 m fl/fl

Meriton Properties Pty Ltd  
CONTRACTOR

Meriton Apartments Pty Ltd  
ARCHITECT

Meriton Apartments Pty Ltd  
ENGINEER



40

### TELECOM PLAZA

Office ■ 1988

Concrete

35 storeys ■ 139 m ■ 3.97 m fl/fl

Leighton Contractors Pty Ltd  
CONTRACTOR

Kann Finch & Partners Pty Ltd  
ARCHITECT

Miller Milston & Ferris Pty Ltd  
ENGINEER

85

### LAW COURTS

Office ■ 1976

Concrete

32 storeys ■ 114 m ■ 3.56 m fl/fl

T C Whittle Pty Ltd CONTRACTOR

McConnel Smith & Johnson Pty Ltd  
ARCHITECT

Bond James Laron Pty Ltd ENGINEER



17

### GROSVENOR PLACE

Office ■ 1988

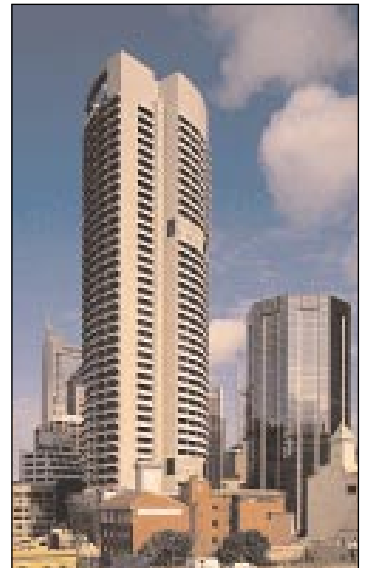
Steel frame Concrete core

44 storeys ■ 180 m ■ 4.09 m fl/fl

Concrete Constructions Pty Ltd  
CONTRACTOR

Harry Seidler & Associates  
ARCHITECT

Miller Milston & Ferris Pty Ltd  
ENGINEER



73

### UNIVERSITY OF TECHNOLOGY

Office ■ 1978

Concrete

33 storeys ■ 120 m ■ 3.64 m fl/fl

T C Whittle Pty Ltd CONTRACTOR

NSW Government Architect  
ARCHITECT

Woolacott Hale Corlett & Jumikis  
Pty Ltd ENGINEER



34

### STATE BANK CENTRE

Office ■ 1986

Concrete

36 storeys ■ 146 m ■ 4.06 m fl/fl

Civil & Civic Pty Ltd [CONTRACTOR](#)

Peddle Thorp & Walker Pty Ltd  
[ARCHITECT](#)

Ove Arup & Partners [ENGINEER](#)



53

### WESTSIDE TOWER

Office ■ 1991

Concrete

32 storeys ■ 132 m ■ 4.12 m fl/fl

Multiplex Constructions (NSW)  
Pty Ltd [CONTRACTOR](#)

Davenport Campbell Pty Ltd  
[ARCHITECT](#)

Sinclair Knight & Partners Pty Ltd  
[ENGINEER](#)



35

### GOVERNOR MACQUARIE TOWER

Office ■ 1994

Concrete

33 storeys ■ 145 m ■ 4.39 m fl/fl

Grocon Ltd [CONTRACTOR](#)

Denton Corker Marshall Pty Ltd  
[ARCHITECT](#)

Ove Arup & Partners [ENGINEER](#)

3

### GOVERNOR PHILLIP TOWER

Office ■ 1993

Concrete

54 storeys ■ 227 m ■ 4.20 m fl/fl

Grocon Ltd [CONTRACTOR](#)

Denton Corker Marshall Pty Ltd  
[ARCHITECT](#)

Ove Arup & Partners [ENGINEER](#)

90

### RAMADA RENAISSANCE

Hotel ■ 1988

Concrete

32 storeys ■ 112 m ■ 3.50 m fl/fl

Concrete Constructions Pty Ltd  
CONTRACTOR

Stephenson & Turner International  
Pty Ltd ARCHITECT

Maunsell & Partners Pty Ltd  
ENGINEER



19

### AUSTRALIA SQUARE

Office ■ 1968

Concrete

46 storeys ■ 170 m ■ 3.70 m fl/fl

Civil & Civic Pty Ltd CONTRACTOR

Harry Seidler & Associates  
ARCHITECT

Miller Milston & Ferris Pty Ltd  
ENGINEER

30

### CAPITA CENTRE

Office ■ 1988

Composite frame Concrete core

31 storeys ■ 153 m ■ 4.94 m fl/fl

Civil & Civic Pty Ltd CONTRACTOR

Harry Seidler & Associates  
ARCHITECT

Miller Milston & Ferris Pty Ltd  
ENGINEER



65

### BARCLAYS HOUSE

Office ■ 1978

Concrete

35 storeys ■ 127 m ■ 3.63 m fl/fl

Mainline Constructions Pty Ltd  
and Concrete Constructions Pty Ltd  
CONTRACTOR

Peddle Thorp & Walker Pty Ltd  
ARCHITECT

Ove Arup & Partners ENGINEER



97

### GOLDFIELDS HOUSE

Office ■ 1965

Steel

30 storeys ■ 110 m ■ 3.67 m fl/fl

Mainline Constructions Pty Ltd  
CONTRACTOR

Peddle Thorp & Walker Pty Ltd  
ARCHITECT

Rankine & Hill Pty Ltd ENGINEER



SYDNEY

29





2

**MLC CENTRE**

Office ■ 1977

Concrete

60 storeys ■ 228 m ■ 3.80 m fl/fl

Civil & Civic Pty Ltd [CONTRACTOR](#)

Harry Seidler & Associates [ARCHITECT](#)

Miller Milston & Ferris Pty Ltd  
[ENGINEER](#)



82

**COMMONWEALTH BANK**

Office ■ 1988

Concrete

32 storeys ■ 116 m ■ 3.62 m fl/fl

A W Edwards Pty Ltd [CONTRACTOR](#)

Smith Jesse Payne & Hunt [ARCHITECT](#)

Woolacott Hale Corlett & Jumikis  
Pty Ltd [ENGINEER](#)



33

**COOPERS & LYBRAND HOUSE**

Office ■ 1988

Concrete

37 storeys ■ 150 m ■ 4.05 m fl/fl

Concrete Constructions Pty Ltd  
[CONTRACTOR](#)

The Rice Daubney Group [ARCHITECT](#)

Taylor Thomson Whitting Pty Ltd  
[ENGINEER](#)

80

**REMINGTON CENTRE**

Office ■ 1981

Concrete

33 storeys ■ 117 m ■ 3.55 m fl/fl

Stockland Constructors Pty Ltd  
[CONTRACTOR](#)

Hoffer Reid & Partners [ARCHITECT](#)

Mateffy Perl Nagy Pty Ltd [ENGINEER](#)

68

**IBM CENTRE**

Office ■ 1993

Concrete

32 storeys ■ 126 m ■ 3.94 m fl/fl

Civil & Civic Pty Ltd [CONTRACTOR](#)

Harry Seidler & Associates and  
Lend Lease Design Group [ARCHITECT](#)

Lend Lease Design Group [ENGINEER](#)

83

### AMP BUILDING

Office ■ 1962

Concrete

28 storeys ■ 115 m ■ 4.11 m fl/fl

Concrete Constructions Pty Ltd  
CONTRACTOR

Peddle Thorp & Walker Pty Ltd  
ARCHITECT

Rankine & Hill Pty Ltd ENGINEER



32

### 1 O'CONNELL STREET

Office ■ 1991

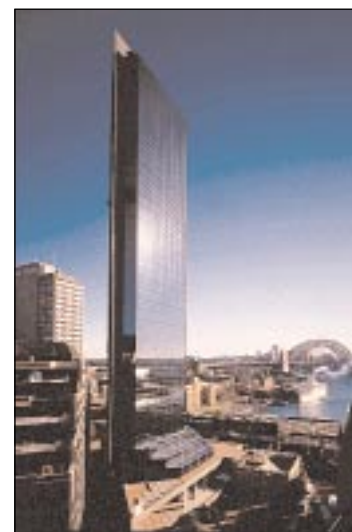
Concrete

36 storeys ■ 152 m ■ 4.22 m fl/fl

Civil & Civic Pty Ltd CONTRACTOR

Peddle Thorp Architects ARCHITECT

Ove Arup & Partners ENGINEER



93

### REGENT HOTEL

Hotel ■ 1983

Concrete

32 storeys ■ 110 m ■ 3.44 m fl/fl

Civil & Civic Pty Ltd CONTRACTOR

Davis Heather and Dysart Pty Ltd  
ARCHITECT

Civil & Civic Pty Ltd ENGINEER

12

### AMP CENTRE

Office ■ 1976

Concrete

45 storeys ■ 188 m ■ 4.18 m fl/fl

Mainline Constructions Pty Ltd  
CONTRACTOR

Peddle Thorp & Walker Pty Ltd  
ARCHITECT

Rankine & Hill Pty Ltd ENGINEER

23

### GATEWAY PLAZA

Office ■ 1989

Concrete

44 storeys ■ 164 m ■ 3.73 m fl/fl

Concrete Constructions Pty Ltd  
CONTRACTOR

Peddle Thorp & Walker Pty Ltd  
and Kann Finch & Partners Pty Ltd  
ARCHITECT

Stigter Clarey & Partners Pty Ltd  
ENGINEER



76

### KPMG CENTRE

Office ■ 1992

Concrete

30 storeys ■ 120 m ■ 4.00 m fl/fl

Mirvac Constructions Pty Ltd  
CONTRACTOR

Henry Pollack & Associates Pty Ltd  
ARCHITECT

Wargon Chapman & Partners  
ENGINEER



75

### NATIONAL MUTUAL CENTRE

Office ■ 1977

Composite frame Concrete core

32 storeys ■ 120 m ■ 3.75 m fl/fl

F T Eastment & Sons Pty Ltd  
CONTRACTOR

Alexander Kann Finch & Partners  
Pty Ltd ARCHITECT

Rankine & Hill Pty Ltd ENGINEER

37

### QUAY WEST APARTMENTS

Residential ■ 1991

Concrete

44 storeys ■ 141 m ■ 3.20 m fl/fl

Mirvac Constructions Pty Ltd  
CONTRACTOR

Henry Pollack & Associates Pty Ltd  
ARCHITECT

Mateffy Perl Nagy Pty Ltd ENGINEER



81

### WESTPAC BANK

Office ■ 1971

Concrete

30 storeys ■ 117 m ■ 3.90 m fl/fl

Mainline Constructions Pty Ltd  
CONTRACTOR

Peddle Thorp & Walker Pty Ltd  
ARCHITECT

Ove Arup & Partners ENGINEER



13

### QANTAS CENTRE

Office ■ 1982

Concrete

47 storeys ■ 186 m ■ 3.96 m fl/fl

Dillingham Corporation [CONTRACTOR](#)

Joseland Gilling [ARCHITECT](#)

Miller Milston & Ferris Pty Ltd  
[ENGINEER](#)



50

### WESTPAC PLAZA

Office ■ 1980

Steel frame Concrete core

34 storeys ■ 134 m ■ 3.94 m fl/fl

Concrete Constructions Pty Ltd  
[CONTRACTOR](#)

Peddle Thorp & Walker Pty Ltd  
[ARCHITECT](#)

Ove Arup & Partners [ENGINEER](#)

91

### NORWICH HOUSE

Office ■ 1970

Concrete

32 storeys ■ 111 m ■ 3.47 m fl/fl

Concrete Constructions Pty Ltd  
[CONTRACTOR](#)

Stephenson & Turner International  
Pty Ltd [ARCHITECT](#)

Stephenson & Turner International  
Pty Ltd [ENGINEER](#)



79

### NZI BUILDING

Office ■ 1977

Concrete

30 storeys ■ 118 m ■ 3.93 m fl/fl

Mainline Constructions Pty Ltd  
[CONTRACTOR](#)

Peddle Thorp & Walker Pty Ltd  
[ARCHITECT](#)

Taylor Thomson Whitting Pty Ltd  
[ENGINEER](#)



51

### ST MARTINS TOWER

Office ■ 1975

Concrete

36 storeys ■ 133 m ■ 3.69 m fl/fl

Civil & Civic Pty Ltd [CONTRACTOR](#)

Crooks Michell Peacock Stewart  
Pty Ltd [ARCHITECT](#)

Crooks Michell Peacock Stewart  
Pty Ltd [ENGINEER](#)



61

### AIDC TOWER

Office ■ 1988

Concrete

35 storeys ■ 128 m ■ 3.66 m fl/fl

Leighton Contractors Pty Ltd

CONTRACTOR

Peddle Thorp Architects ARCHITECT

Mateffy Perl Nagy Pty Ltd ENGINEER



24

### HYDE PARK SQUARE

Office ■ 1978

Steel frame Concrete core

40 storeys ■ 164 m ■ 4.10 m fl/fl

T C Whittle Pty Ltd CONTRACTOR

Kann Finch & Partners Pty Ltd

ARCHITECT

Rankine & Hill Pty Ltd ENGINEER

63

### ANA HOTEL

Hotel ■ 1992

Concrete

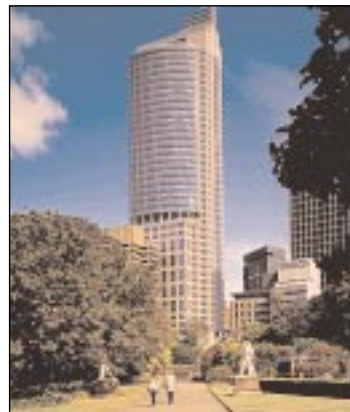
40 storeys ■ 127 m ■ 3.17 m fl/fl

Civil & Civic Pty Ltd CONTRACTOR

Mitchell Giurgola & Thorp Pty Ltd

ARCHITECT

Connell Wagner ENGINEER



7

### CHIFLEY TOWER

Office ■ 1992

Steel

50 storeys ■ 215 m ■ 4.30 m fl/fl

Multiplex Constructions (NSW) Pty Ltd CONTRACTOR

Kohn Pederson Fox/Travis Partners

ARCHITECT

Flack & Kurtz Australia Pty Ltd

ENGINEER

78

### METROPLAZA

Office ■ 1992

Concrete

28 storeys ■ 120 m ■ 4.29 m fl/fl

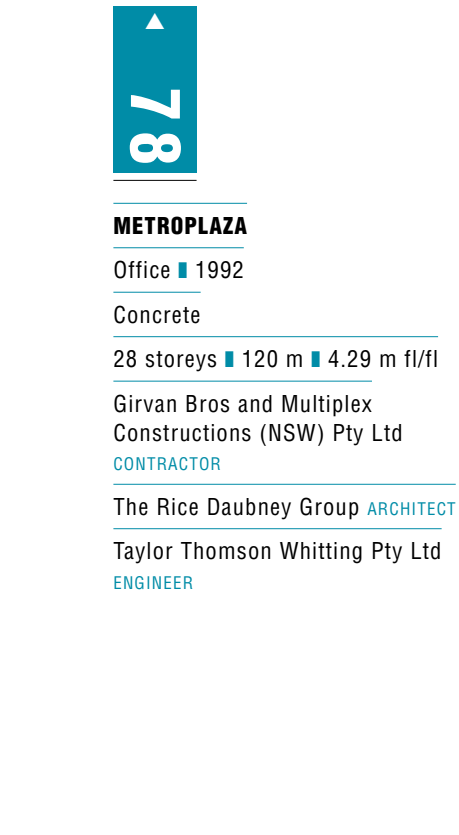
Girvan Bros and Multiplex Constructions (NSW) Pty Ltd

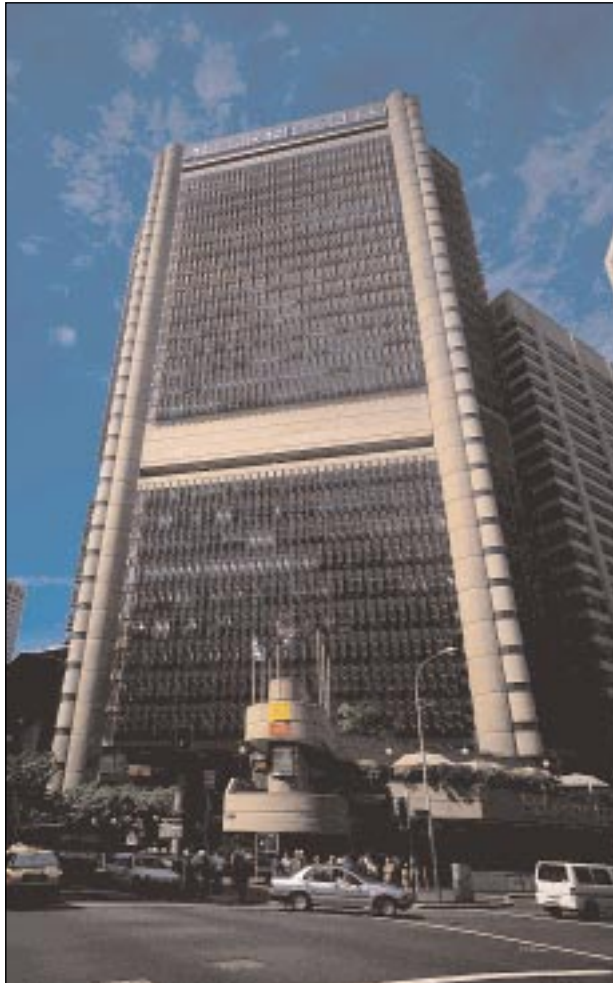
CONTRACTOR

The Rice Daubney Group ARCHITECT

Taylor Thomson Whitting Pty Ltd

ENGINEER





67

### AMERICAN EXPRESS TOWER

Office ■ 1979

Concrete

32 storeys ■ 127 m ■ 3.97 m fl/fl

Samebo Pty Ltd [CONTRACTOR](#)

John Andrews International Pty Ltd  
[ARCHITECT](#)

Wargon Chapman & Partners  
[ENGINEER](#)



62

### STATE OFFICE BLOCK

Office ■ 1967

Concrete

32 storeys ■ 128 m ■ 4.00 m fl/fl

Perini Pty Ltd [CONTRACTOR](#)

NSW Government Architect  
[ARCHITECT](#)

Taylor Thomson Whitting Pty Ltd  
[ENGINEER](#)

56

### NORTHPOINT TOWER

Office ■ 1980

Concrete

35 storeys ■ 131 m ■ 3.74 m fl/fl

Phillip Lipman Pty Ltd [CONTRACTOR](#)

Kolos & Bryant [ARCHITECT](#)

Ove Arup & Partners [ENGINEER](#)



66

### NATIONAL AUSTRALIA BANK

Office ■ 1988

Concrete

32 storeys ■ 127 m ■ 3.97 m fl/fl

Civil & Civic Pty Ltd [CONTRACTOR](#)

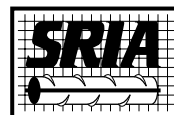
Peddle Thorp & Walker Pty Ltd  
[ARCHITECT](#)

Ove Arup & Partners [ENGINEER](#)



STEEL  
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INSTITUTE OF  
AUSTRALIA

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