

Our ref: PS106555-V-LTR-CA V01 Apartment Design Guide and Lift Provisioning Rev01.docx

Your ref: CA-V01

By email alexmcmillan@citta.com.au

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Confidential

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Alex,

Ivanhoe Stage 1 | Apartment Design Guide (ADG) Lift Provisioning

We understand that ADG 4F-1 clause 2 states "for buildings of 10 storeys and over, the maximum number of apartments sharing a single lift is 40".

WSP have undertaken concept design for the lifts of the proposed Ivanhoe Stage 1 Building A1 and C1 development. Although the lift concept design does not strictly comply with ADG 4F-1 clause 2, it does meet international design criteria outlined by Chartered Institute of Building Services Engineers (CIBSE) and the design of similar buildings.

Based on our experience and supported by professional legal opinion and discussions on similar buildings, it has been established that the ADG is a guide and can be deviated from should calculations be provided to show that the lift concept design meets international benchmarks.

Please find attached the calculations for the Buildings A1 and C1 showing the lift configurations meeting the CIBSE Guide D 2015 performance criteria. On this basis, the quantity of lifts prescribed by the ADG would be an over provision in this instance and therefore the ADG non-compliance is justified.

Kind regards

Matthew Revitt

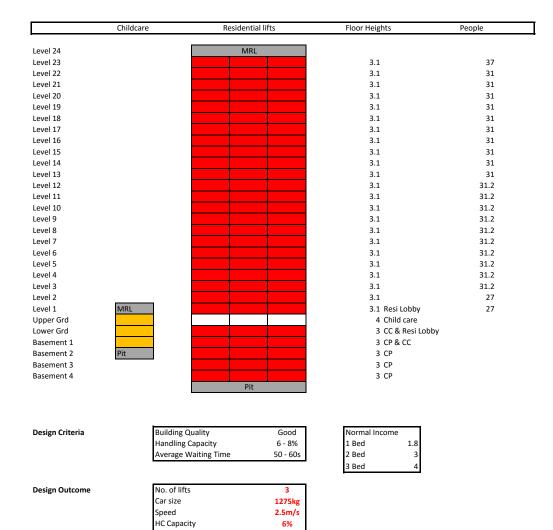
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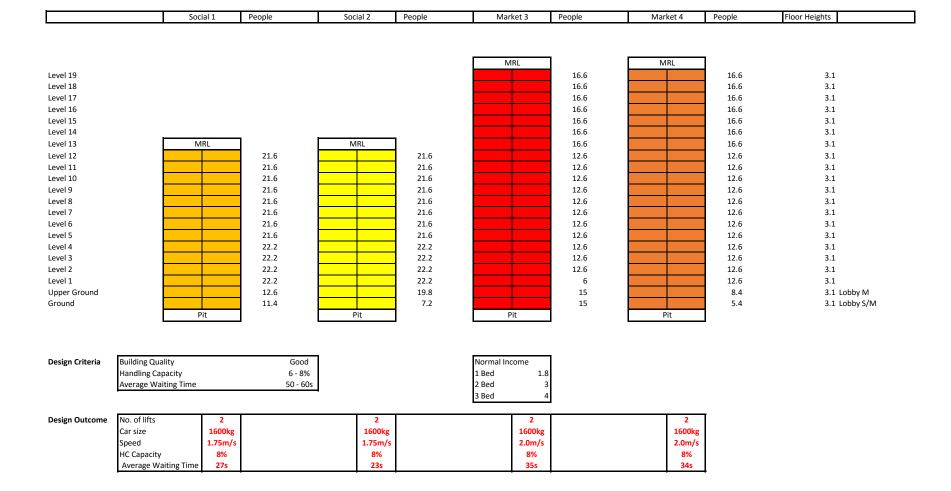
6% 36s

Average Waiting Time

| 06/03/2018 | DRAWN MBR | | | | | | |
|---------------------------------------|--------------|--|--|--|--|--|--|
| SCALE - | RWH | | | | | | |
| SHEET SIZE | APPROVED RAB | | | | | | |
| PROJECT Ivanhoe Macquarie Park Sydney | | | | | | | |

FRASERS

| 3 | wsp | | | | | |
|---|---|--------------|---|--|--|--|
| 1 | | | | | | |
| 3 | Level 1, 41 McLaren S North Sydney NSW 20 Australia | 60 Facsimile | e 61 2 8907 0900 e 61 2 9957 4127 @wspgroup.com | | | |
| | TITLE | | | | | |
| | Preliminary vertical transportation calculations summary | | | | | |
| | PROJECT NO. PS106555 | A1-VT-002 | REVISION 00 | | | |



| 06/03/2018 | DRAWN | MBR | 115.13 | | | |
|---------------------------------------|----------|-----|--|-------|--|-------------|
| SCALE - | CHECKED | RWH | wsp | | | |
| SHEET SIZE | APPROVED | RAB | Level 1, 41 McLaren Str North Sydney NSW 206 Australia | | Telephone 61 2 Facsimile 61 2 sydney@wsp | 9957 4127 |
| PROJECT Ivanhoe Macquarie Park Sydney | | | Preliminary vertical transportation calculations summary | | | |
| FRASERS | | | PROJECT NO. PS107250 | C1-V7 | ng no. -002 | REVISION 00 |