



01/07/2022

Enquiries: Elle Hewett
Project No: 45474

Attention: Zig Peshos

Dear Zig

**RE: Atlassian
SSDA Modification 3: Changes to the tower**

We confirm having undertaken a review of the proposed modifications associated with SSDA Modification 3, that these modifications do not have a significant impact on the design as it relates to Acoustics. Comments for each of the changes are summarised in Table 1 & Table 2.

We make reference to the following documents as part of our review:

- SSDA Proponent-Led Changes_SHoP Tracker DRAFT
- SSDA_S4.55_Tower_Report_Draft YHA levels only

Table 1: SSDA Proponent-Led Changes_SHoP Tracker Draft – Acoustic Comments

Change / New Content	Description	Sheet(s)	Acoustic Comments
Restack	1. Floor to floor heights adjusted throughout tower.	DA-10C Series DA-10D Series DA-11D Series	No Impact on Acoustics. Provided that minimum requirements for floor build-ups as outlined in Acoustic Specification are met.
Habitat L4 Extension	1. Extension of Level 4 floor to outer facade (elimination of void on this level). 2. Relocation of louvres on habitat facade from Level 4 to Level 3.	DA-01A-XXX-03 DA-10B Series (L4 Plans) DA-10C Series DA-10D Series DA-11D-XXX-13 DA-19U Series DA-40A-XXX-01	No significant impact on Acoustics.
Core Redesign	1. Reduction in sizing of structural core. 2. Adjustment of services risers and rooms. 3. Elimination of 1 lowrise lift.	DA-10B Series DA-11D Series DA-19U Series	No impact on Acoustics

	4. Optimisation of amenities, including utilisation of former lift shaft area.		
Double Deck Lifts	<p>1. Double deck lift system assumed as Basis of Design, rather than twin lift system.</p> <p>2. Reduction in lift overrun height.</p> <p>3. Relocation of tower-to-crown stair and services transfer from T35 to T34.</p> <p>4. Addition of tower-to-crown lift transfer on T32.</p>	DA-10B-T30-01 to T42-01 DA-11D-XXX-14, 15 DA-19U-XXX-78 to 80	No impact on Acoustics
T06 Plant Redesign	1. Reorganization of equipment layout.	DA-10B-T06-01 DA-19U-XXX-71	Requires acoustic review, however noise is expected to be able to be managed through noise mitigation measures comparable to those outlined in Acoustic Specification.
Crown Planning	<p>1. Adjustments to planning, including services risers, plant spaces, egress, and restrooms.</p> <p>2. Terrace space fronting plant area on T39 no longer designed for tenant use.</p> <p>3. Elimination of exterior stairs connecting terraces.</p> <p>4. Elimination of maintenance zone between FWT-105A/B and the outer facade on T39 and T40, which has now been changed to FWT-101B.</p>	DA-10B-T35-01 to T42-01 DA-11D-XXX-14, 15 DA-19U-XXX-79, 80	No significant impact on acoustics
FWT-101A	<p>1. Exterior finishes changed to powder coated aluminium.</p> <p>2. Extents of wall system reduced to 3 floor per habitat</p>	DA-01A-XXX-03 DA-10C Series DA-10D Series DA-11D-XXX-13 DA-40A-XXX-01 DA-43E-TXX-01	No Impact on Acoustics.
FWT-101B	<p>1. Exterior finishes changed to powder coated aluminium</p> <p>2. Extents of wall system increased to include crown and habitat level 4</p>	DA-01A-XXX-03 DA-10C Series DA-10D Series DA-11D-XXX-13	No Impact on Acoustics.

	3. Transom beams removed at megafloors and T36-T38	DA-40A-XXX-01 DA-43E-TXX-02	
FWT-101C	1. Removed from project. All FWT-101C is now FWT-101B	DA-01A-XXX-03 DA-10C Series DA-10D Series DA-11D-XXX-14, 15 DA-40A-XXX-01 DA-43E-TXX-03	No Impact on Acoustics.
FWT-102	1. Balustrade changed to stand-alone balustrade and not longer integrated into facade system. 2. Balustrade infill changed to vertical rods spaced 125mm c/c 3. Extent of system reduced to first 3 floors of each habitat	DA-10B Series DA-10D Series DA-11D-XXX-13 DA-40A-XXX-01 DA-43E-TXX-04	No Impact on Acoustics.
FWT-103	1. Mullion size reduced and intermediate mullions removed and replaced with silicone butt joints	DA-10B Series DA-43E-TXX-05	No Impact on Acoustics.
FWT-104A	1. Exterior finishes changed to powder coated aluminium 2. Automated BMS operable louvers added to T01 and T02 at YHA south atrium 3. Safety screen added to all operables 4. All awning windows are now automated 5. Vertical modulation of units standardized 6. Documentation of south YHA atrium facade added	DA-01A-XXX-03 DA-10C Series DA-10D Series DA-11D-XXX-11, 12 DA-43E-TXX-06, 07	No Impact on Acoustics.
FWT-105A	1. Exterior finishes changed to powder coated aluminium 2. Extents of system reduced where maintenance zone was removed between FWT-101 and FWT-105	DA-10B-T35-01 to T42-01 DA-01A-XXX-03 DA-10D Series DA-11D-XXX-14, 15 DA-43E-TXX-08	No Impact on Acoustics.

FWT-105B	<p>1. Exterior finishes changed to powder coated aluminium</p> <p>2. Exterior decorative fixed louvers changed from laminated glass to powder coated aluminium</p> <p>3. Interior acoustic louver wall integrated in outer wall system</p>	DA-01A-XXX-03 DA-10C Series DA-10D Series DA-11D-XXX-14, 15 DA-43E-TXX-09	Requires acoustic review. Provided acoustic louvre system achieves minimum performance requirement as per Acoustic Specification this change should have minimal impact on acoustics.
FWT-106	1. Documentation added	DA-43E-TXX-09	Requires acoustic review. Minimum performance requirement dependant on T06 Plant Redesign. However, noise is expected to be able to be managed through sound insulation measures comparable to those outlined in Acoustic Specification.
FWT-107	1. Documentation added	DA-43E-TXX-09	
FWT-108	1. Documentation added	DA-43E-TXX-10	No Impact on Acoustics.
FWT-401	1. Documentation added	DA-43E-TXX-11	No Impact on Acoustics.
Crown Ring Beam	1. Changed from an architecturally exposed steel section to powdercoated aluminium clad steel section	DA-01A-XXX-03 DA-10C Series DA-10D Series DA-11D-XXX-14, 15	No Impact on Acoustics.

Table 2: SSDA_S4.55_Tower_Report_Draft YHA levels only – Acoustic Comments

SSDA_S4.55_Tower Report Draft YHA Level	Proposed Amendments to approved SSDA	Acoustic Comments
1.1 Tower Level 1 - YHA	<p>Amendments to the level 1 plan includes:</p> <p>1. mega Column structure increase</p> <p>2. reduction to core dimensions in both east-west and north-south directions and structural column changes</p> <p>3. Columns deleted</p> <p>4. Column added</p>	No Impact on Acoustics.
1.1 Tower Level 2 - YHA	Amendments to the level 2 plan includes:	Review required of plantroom reconfiguration [5] to mitigate any potential noise paths to

	<ol style="list-style-type: none"> 1. mega Column struts amended from square to circular 2. reduction to core dimensions in both east-west and north-south directions and structural struts changed from square to circular 3. Columns deleted 4. Columns added 5. Plant room reconfigured 6. room wet areas reconfigured 7. room planning reconfigured 	adjacencies. No significant impact expected on design.
1.1 Tower Level 3 - YHA	<p>Amendments to the level 3 plan includes:</p> <ol style="list-style-type: none"> 1. mega Column struts amended from square to circular 2. reduction to core dimensions in both east-west and north-south directions 3. Structural struts changed from square to circular 4. Columns deleted 5. Columns added 6. Plant room reconfigured 7. room wet areas reconfigured 8. room planning reconfigured 	Review required of plantroom reconfiguration [6] to mitigate any potential noise paths to adjacencies. No significant impact expected on design.
1.1 Tower Level 4 - YHA	<p>Amendments to the level 4 plan includes:</p> <ol style="list-style-type: none"> 1. mega Column struts amended from square to circular 2. reduction to core dimensions in both east-west and north-south directions 3. Structural struts changed from square to circular 4. Columns deleted 	Review required of plantroom reconfiguration [6] to mitigate any potential noise paths to adjacencies. No significant impact expected on design.

	5. Columns added 6. Plant room reconfigured 7. room wet areas reconfigured 8. room planning reconfigured	
1.1 Tower Level 5 - YHA	Amendments to the level 5 plan includes: 1. mega Column struts amended from square to circular 2. reduction to core dimensions in both east-west and north-south directions 3. Structural struts changed from square to circular 4. Columns deleted 5. Column deleted 6. Plant room reconfigured 7. room wet areas reconfigured 8. room planning reconfigured	Review required of plantroom reconfiguration [6] to mitigate any potential noise paths to adjacencies. No significant impact expected on design.
1.1 YHA Typical Section Changes	Amendments to the floor levels in section includes: 1. relative levels (rl) for levels 1-5 adjusted 2. Structural slabs thickness have been revised. 3. Zig Zag facade adjusted to reflect adjusted floor levels.	No significant impact on Acoustics provided that minimum requirements for floor build-ups as outlined in Acoustic Specification are met, particularly for floor separating Level 5 Accommodation and Level 6 Plantroom.

We trust this meets with your requirements.

Please do not hesitate to contact the undersigned if you have any queries.

Yours sincerely

Stantec Australia Pty Ltd

Guy Hopkins
Acoustic Engineer