

01- Proposed escalator of 35<sup>0</sup> off the piazza B02 to retail carpark on B04 with an enclosed lobby and new retail toilets for men, female, disability and a parent room on B03. Also a trolley storage is proposed with some adjustments to car spaces and storages.

- 2- Glass encloser for the escalator on B02.
- 3- Replacement for all the fixed glazing retail shopfronts arount the piazza with sliding folding doors.
- 4- The relocation of the mail box room and parcel storage.
- 5- Splitting retail 09 into three retails: 09, 9A and 9B.
- 6- Bicycle resi. storage relocated from level B03 to B04.
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the proposed escalators and the path of fire escape with

no reduction to its surface area. 9- Splitting retail 03 into two retails: 03 and 3a with a

new ramp. Also reducing the area of retail 04.

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	BUILDING ELEMENT FRI	L (in minutes) egrity/Insulatio	) Structural A on	dequacy/	Item	FRL Class 7a	FRL Class 6	FRL Class 2		
TYPE A CLASS 2 CONSTRUCTION - UNITS TYPE A CLASS 7 CONSTRUCTION - CARPARK DEFINITIONS (as BCA) STRUCTURAL ADEQUACY, in relation to an FRL, means the ability to maintain stability and adequate	TYPE A CLASS 2 CONSTRUCTION - UNITS         TYPE A CLASS 7 CONSTRUCTION - CARPARK         INITIONS (as BCA)         RUCTURAL ADEQUACY, in relation to an FRL,             REFER TO BCA 2022             EXTERNAL WALL (including any column and other building element incorporated there in) or other external building element, where the distance from any fire source feature to which it is exposed is -				External walls: - Less than 1.5 m from side boundary - 1.5 m to less than 3 m from side boundary - 3 m and over from side boundary External walls. non-loadbearing:	120/120/120 120/ 90/ 90 120/ 60/ 30	180/180/180 180/180/120 180/120/ 90	90/90/90 90/60/60 90/60/30		
load bearing capacity as determined by as 1530.4.	Item	FRL Class 7a	FRL Class 6	FRL Class 2	<ul> <li>Less than 1.5 m from side boundary</li> <li>1.5 m to less than 3 m from side boundary</li> </ul>	-/120/120 -/90/60	-/180/180 -/90/60	-/90/90 -/60/60		
INTEGRITY, in relation to an FRL, means the ability to resist passage of flames and hot gases specified in as 1530.4 INSULATION, in relation to an FRL, means the ability to	Ventilating, pipe, garbage, and like shafts not used for the discharge of hot products of combustion – loadbearing – non-loadbearing	120/ 90/ 90 -/ 90/ 90	180/120/120 -/120/120	90/90/90 -/90/90	- 3 m and over from side boundary  External columns:     - loadbearing     - non-loadbearing	-/-/- 120/-/- -/-/-	-/-/- 180/-/- -/-/-	-/-/- 90/-/- -/-/-/	DOORS Fire stair doors - self-closing	-/
maintain a temperature on the surface not exposed to the furnace below the limits specified in as 1530.4.	Other loadbearing internal walls, beams trusses and columns	120/-/-	180/-/-	90/-/-	Common walls and Fire walls	120/120/120	180/180/180	90/90/90	Entry doors to sole-occupancy units - self closing Lift landing doors	-//
	Floors: Basement 03 Basement 02	120/120/120	180/180/180		<ul> <li>Loadbearing</li> <li>Non-loadbearing</li> </ul>	120/120/120 -/120/120	180/120/120 -/120/120	90/90/90 -/90/90	Doors to Electrical cupboards Garbage Room hopper doors	-// N -/
	Lower Ground Floor Ground floor over retail Ground floor – over residential		180/180/180 180/180/180	90/90/90	Internal walls bounding public corridors and sole occupancy units – loadbearing – non-loadbearing	120/-/- _/-/-	180/-/- _/-/-	90/90/90 -/60/60		
	First floor over retail First floor over residential	<u> </u>	180/180/180	90/90/90	Walls bounding sole occupancy units	120/-/-	180/-/-	90/90/90		





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	BUILDING ELEMENT FRL	(in minutes)	Structural Acon	lequacy/	Item	FRL Class 7a	FRL Class 6	FRL Class 2		
TYPE A CLASS 2 CONSTRUCTION - UNITS TYPE A CLASS 7 CONSTRUCTION - CARPARK DEFINITIONS (as BCA) STRUCTURAL ADEQUACY, in relation to an FRL, means the ability to maintain stability and adequate	REFER TO BCA 2022 EXTERNAL WALL (including any colum incorporated there in) or other external t the distance from any fire source feature	ouilding eleme	ent, where		External walls: - Less than 1.5 m from side boundary - 1.5 m to less than 3 m from side boundary - 3 m and over from side boundary External walls, non-loadbearing:	120/120/120 120/ 90/ 90 120/ 60/ 30	180/180/180 180/180/120 180/120/ 90			
load bearing capacity as determined by as 1530.4.	Item	FRL Class 7a	FRL Class 6	FRL Class 2	<ul> <li>Less than 1.5 m from side boundary</li> <li>1.5 m to less than 3 m from side boundary</li> </ul>	-/120/120 -/90/60	-/180/180 -/90/60	-/90/90 -/60/60		
INTEGRITY, in relation to an FRL, means the ability to resist passage of flames and hot gases specified in as 1530.4	Ventilating, pipe, garbage, and like shafts not used for the discharge of hot products of combustion				3 m and over from side boundary  External columns:	-/-/-	-/-/-	-/-/-	DOORS	
INSULATION, in relation to an FRL, means the ability to	<ul> <li>loadbearing</li> <li>non-loadbearing</li> </ul>	120/ 90/ 90 -/ 90/ 90	180/120/120 -/120/120	90/90/90 -/90/90	<ul> <li>loadbearing</li> <li>non-loadbearing</li> </ul>	120/—/— _/-/-	180/—/— _/_/-	90/-/- _/_/_/	Fire stair doors - self-closing	-/6
maintain a temperature on the surface not exposed to the furnace below the limits specified in as 1530.4.	Other loadbearing internal walls, beams trusses and columns	120/-/-	180/-/-	90/-/-	Common walls and Fire walls	120/120/120	180/180/180	90/90/90	Entry doors to sole-occupancy units - self closing	-/6
	Floors: Basement 03	120/120/120			Lift and stair shafts – Loadbearing – Non-loadbearing	120/120/120 -/120/120	180/120/120 -/120/120	90/90/90 -/90/90	Lift landing doors Doors to Electrical cupboards Garbage Room hopper doors	-/6 No
	Basement 02 Lower Ground Floor Ground floor over retail		180/180/180 180/180/180 180/180/180		Internal walls bounding public corridors and sole occupancy units - loadbearing	120/-/-	180/-/-	90/90/90		-/0
	Ground floor – over residential First floor over retail		180/180/180	90/90/90	– non-loadbearing	-/-/-	180/-/- _/-/-	-/60/60		
	First floor over residential			90/90/90	Walls bounding sole occupancy units – Loadbearing	120/-/-	180/-/-	90/90/90		





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Roof

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FRL OF BUILDING ELEMENTS TYPE A CLASS 2 CONSTRUCTION - UNITS	BUILDING ELEMENT FRL	(in minutes) grity/Insulatio	Structural Ac	lequacy/	Item	FRL Class 7a	FRL Class 6	FRL Class 2		
TYPE A CLASS 7 CONSTRUCTION - CARPARK DEFINITIONS (as BCA) STRUCTURAL ADEQUACY, in relation to an FRL, means the ability to maintain stability and adequate	REFER TO BCA 2022 EXTERNAL WALL (including any column incorporated there in) or other external b the distance from any fire source feature	ouilding eleme e to which it is	ent, where exposed is -		External walls: - Less than 1.5 m from side boundary - 1.5 m to less than 3 m from side boundary - 3 m and over from side boundary External walls, non-loadbearing:	120/120/120 120/ 90/ 90 120/ 60/ 30	180/180/180 180/180/120 180/120/ 90	90/60/60 90/60/30		
load bearing capacity as determined by as 1530.4. INTEGRITY, in relation to an FRL, means the ability to	Item	FRL Class 7a	FRL Class 6	FRL Class 2	<ul> <li>Less than 1.5 m from side boundary</li> <li>1.5 m to less than 3 m from side boundary</li> </ul>	-/120/120 -/90/60 -/-/-	-/180/180 -/90/60 -/-/-	-/90/90 -/60/60 -/-/-		
INFLORM, in relation to an FRL, means the ability to resist passage of flames and hot gases specified in as 1530.4 INSULATION, in relation to an FRL, means the ability to maintain a temperature on the surface not exposed to the furnace below the limits specified in as 1530.4.	Ventilating, pipe, garbage, and like shafts not used for the discharge of hot products of combustion – loadbearing – non-loadbearing Other loadbearing internal walls, beams trusses and columns	120/ 90/ 90 -/ 90/ 90 120/-/-	180/120/120 -/120/120 180/-/-	90/90/90 -/90/90 90/-/-	3 m and over from side boundary External columns:     loadbearing     non-loadbearing Common walls and Fire walls	120/-/- -/-/- 120/120/120	180/-/- -/-/- 180/180/180	90/-/- -/-/- 90/90/90	DOORS Fire stair doors - self-closing Entry doors to sole-occupancy units - self closing	-/60/30 -/60/30
	Floors: Basement 03 Basement 02 Lower Ground Floor	120/120/120	180/180/180		Lift and stair shafts  - Loadbearing  - Non-loadbearing  Internal walls bounding public corridors and sole	120/120/120 -/120/120	180/120/120 -/120/120	90/90/90 -/90/90	Lift landing doors Doors to Electrical cupboards Garbage Room hopper doors	-/60/- Non con -/60/30
	Ground floor over retail Ground floor – over residential First floor over retail		180/180/180 180/180/180	90/90/90	occupancy units  I loadbearing I non-loadbearing Walls bounding sole occupancy units	120/-/- _/-/-	180/-/- _/-/-	90/90/90 -/60/60		
	First floor over residential			90/90/90	wais bounding sole occupancy units					





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load bearing capacity as determined by as 1530.4.	Item	FRL Class 7a	FRL Class 6	FRL Class 2	<ul> <li>Less than 1.5 m from side boundary</li> <li>1.5 m to less than 3 m from side boundary</li> </ul>	-/120/120 -/90/60	-/180/180 -/90/60	-/90/90 -/60/60		
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	Floors: Basement 03 Basement 02 Lower Ground Floor Ground floor over retail Ground floor – over residential First floor over retail	120/120/120	180/180/180 180/180/180 180/180/180 180/180/180	90/90/90	Lift and stair shafts - Loadbearing - Non-loadbearing Internal walls bounding public corridors and sole occupancy units - loadbearing - non-loadbearing - non-loadbearing	120/120/120 -/120/120 120/-/- -/-/-	180/120/120 -/120/120 180/-/- -/-/-	90/90/90 -/90/90 90/90/90 -/60/60	Lift landing doors Doors to Electrical cupboards Garbage Room hopper doors	-/60/- Non comb -/60/30
	First floor over residential Roof		100,100,100	90/90/90 Non- combustible	Walls bounding sole occupancy units - Loadbearing - Non-loadbearing	120/-/- -/-/-	180/-/- _/-/-	90/90/90 -/60/60		





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means the ability to maintain stability and adequate load bearing capacity as determined by as 1530.4.		FRL Class 7a	FRL Class 6	FRL Class 2	External walls, non-loadbearing: – Less than 1.5 m from side boundary – 1.5 m to less than 3 m from side boundary	-/120/120 -/90/60	-/180/180 -/90/60	-/90/90 -/60/60	
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	Floors: Basement 03 Basement 02 Lower Ground Floor Ground floor over retail Ground floor - over residential First floor over retail	120/120/120	180/180/180 180/180/180 180/180/180 180/180/180	90/90/90	Lift and stair shafts - Loadbearing - Non-loadbearing Internal walls bounding public corridors and sole occupancy units - loadbearing - non-loadbearing - non-loadbearing	120/120/120 -/120/120 120/-/- -/-/-	180/120/120 -/120/120 180/-/- -/-/-	90/90/90 -/90/90 90/90/90 -/60/60	Lift land Doors to Garbage
	First floor over residential Roof			90/90/90 Non- combustible	Walls bounding sole occupancy units <ul> <li>Loadbearing</li> <li>Non-loadbearing</li> </ul>	120/-/- -/-/-	180/-/- _/-/-	90/90/90 -/60/60	

DOORS
Fire stair doors - self-closing
Entry doors to sole-occupancy units - self closing
Lift landing doors
Doors to Electrical cupboards
Garbage Room hopper doors

