

01- Proposed escalator of 35⁰ off the piazza B02 to carpark on B03 with an enclosed lobby.

- 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.
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FRL OF BUILDING ELEMENTS TYPE A CLASS 2 CONSTRUCTION - UNITS TYPE A CLASS 7 CONSTRUCTION - CARPARK DEFINITIONS (as BCA) STRUCTURAL ADEQUACY in relation to an ERI	BUILDING ELEMENT Ff	RL (in minutes tegrity/Insulati) Structural A on	dequacy/	Item	FRL Class 7a	FRL Class 6	FRL Class 2	
	REFER TO BCA 2022				External walls: – Less than 1.5 m from side boundary 120/120	120/120/120	180/180/180	90/90/90	
	EXTERNAL WALL (including any colu incorporated there in) or other externa	mn and other I building elem	building elem ent, where	lent	 1.5 m to less than 3 m from side boundary 3 m and over from side boundary 	120/ 90/ 90 120/ 60/ 30	180/180/120 180/120/ 90	90/60/60 90/60/30	
means the ability to maintain stability and adequate load bearing capacity as determined by as 1530.4.		External walls, non-loadbearing: – Less than 1.5 m from side boundary	-/120/120	-/120/120 -/180/180 -/90/90	-/90/90				
INTEGRITY, in relation to an FRL, means the ability to resist passage of flames and hot gases specified in as 1530.4	Class 7a Class 6 Cla Ventilating pipe garbage and like shafts not used				 1.5 m to less than 3 m from side boundary 3 m and over from side boundary 	-/90/60 _/_/-	-/90/60 _/_/-	-/60/60 -/-/-	
	for the discharge of hot products of combustion – loadbearing	120/ 90/ 90	180/120/120	90/90/90	External columns:	120/-/-	180/-/-	90/-/-	DOORS
INSULATION, in relation to an FRL, means the ability to	 non-loadbearing 	-/ 90/ 90	-/120/120	-/90/90	 non-loadbearing 	-/-/-	-/-/-	-/-/-/	Fire stair doors - self-closing
furnace below the limits specified in as 1530.4.	Other loadbearing internal walls, beams trusse and columns	es 120/-/- 180/-/-		90/-/-	Common walls and Fire walls	120/120/120	180/180/180	90/90/90	units - self closing
	Floors: Basement 03	120/120/120			Loadbearing	120/120/120	180/120/120	90/90/90	Doors to Electrical cupboards
	Basement 02 Lower Ground Floor		180/180/180 180/180/180		- Non-loadbearing Internal walls bounding public corridors and sole occupancy units	-,120/120	-/120/120	-150/50	Garbage Room hopper doors
	Ground floor over retail Ground floor – over residential		180/180/180	90/90/90	 loadbearing non-loadbearing 	120/-/- _/-/-	180/-/- _/-/-	90/90/90	
	First floor over retail First floor over residential		180/180/180	90/90/90	Walls bounding sole occupancy units			00/00/00	
	Roof			Non- combustible	 Loadbearing Non-loadbearing 	-/-/-	-/-/-	-/60/60	





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	the distance from any fire source feature	FRL Class 7a	FRL Class 6	FRL Class 2	- 3 m and over from side boundary 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 -/180/180 -/90/90 -/90/60 -/90/60 -/60/60			
	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
	Floors: Basement 03 Basement 02 Lower Ground Floor Ground floor over retail Ground floor over retail First floor over retail 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 Walls bounding sole occupancy units - 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
	Roof			Non-	- Loadbearing	120/-/-	-/-/-	-/60/60	

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	REFER TO BCA 2022 EXTERNAL WALL (including any column incorporated there in) or other external b the distance from any fire source feature Item	n and other b uilding eleme to which it is FRL	ouilding elem ent, where s exposed is FRL	ent - FRL	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: - Less than 1.5 m from side boundary	120/120/120 120/ 90/ 90 120/ 60/ 30 -/120/120	180/180/180 180/180/120 180/120/ 90 -/180/180	90/90/90 90/60/60 90/60/30 -/90/90		
	Class 7a Ventilating, pipe, garbage, and like shafts not used for the discharge of hot products of combustion loadbearing non-loadbearing /90/90 /90/90 Other loadbearing internal walls, beams trusses and columns Floors: Basement 03 120/120/120 Basement 02 11 120/120/120 12 	Class 7a	Class 6	Class 2	 1.5 m to less than 3 m from side boundary 3 m and over from side boundary 	-/90/60 -/-/-	-/90/60 -/-/-	-/60/60 _/_/-		
		120/ 90/ 90 -/ 90/ 90 120/-/-	180/120/120 -/120/120 180/-/-	90/90/90 -/90/90 90/-/-	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	-/60/3 -/60/3
		20 180/180/180		Lift and stair shafts – Loadbearing – Non-loadbearing Internal walls bounding public corridors and sole	120/120/120 -/120/120	120/120/120 180/120/120 90/90/90 -/120/120 -/120/120 -/90/90	90/90/90 -/90/90	Lift landing doors Doors to Electrical cupboards Garbage Room hopper doors	-/60/- Non c -/60/3	
	Ground floor over retail Ground floor – over residential First floor over retail First floor over retail		180/180/180 180/180/180	90/90/90 90/90/90	occupancy units I loadbearing I non-loadbearing Walls bounding sole occupancy units	120/-/- _/-/-	120/-/- 180/-/- 90/90/90 /-///60/60			
	Poof		1	Non	- Loadbearing	120/-/-	180/-/-	90/90/90	11	

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	BUILDING ELEMENT FRL	. (in minutes) grity/Insulatio) Structural A	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 load bearing capacity as determined by as 1530.4. 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 maintain a temperature on the surface not exposed to the furnace below the limits specified in as 1530.4.	REFER TO BCA 2022 EXTERNAL WALL (including any colum incorporated there in) or other external b the distance from any fire source feature	n and other b building element to which it is	building elem ent, where s exposed is	ent	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: Letternal walls, non-loadbearing:	120/120/120 120/90/90 120/90/90 120/60/30 120/120/90 90/60/30		90/90/90 90/60/60 90/60/30		
	Item C Ventilating, pipe, garbage, and like shafts not used for the discharge of hot products of combustion 120 – loadbearing -/ 5 Other loadbearing -/ 5 Other loadbearing internal walls, beams trusses and columns 120 Floors: 120 Basement 03 120	Class 7a	RL FRL ss 7a Class 6	Class 2	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	-/120/120 -/90/60 -/-/-	-/120/120 -/180/180 -/9 -/90/60 -/90/60 -/6 -/-//-//	-/60/60 -/-/-		
		120/ 90/ 90 -/ 90/ 90 120/-/-	180/120/120 -/120/120 180/-/-	90/90/90 -/90/90 90/-/-	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	-/60 -/60
		summs 120/120/120 ment 03 120/120/120 er Ground Floor nd floor over retail floor over retail floor over retail	20/120/120 180/180/180 180/180/180 180/180/180 180/180/180		Lift and stair shafts - Loadbearing - Non-loadbearing	120/120/120 -/120/120	180/120/120 -/120/120	20 90/90/90 0 -/90/90	Lift landing doors Doors to Electrical cupboards	-/60 Nor
	Basement 02 Lower Ground Floor Ground floor over retail Ground floor – over residential First floor over retail			90/90/90	Internal walls bounding public corridors and sole occupancy units - loadbearing - non-loadbearing	120/-/- _/-/-	180/-/- _/-/-	90/90/90 -/60/60	Garbage Room nopper doors	-/60
	First floor over residential			90/90/90	Valis bounding sole occupancy units Loadbearing	120/-/-	180/-/-	90/90/90		

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	BUILDING ELEMENT FRL Inter	_ (in minutes) grity/Insulativ) Structural A	dequacy/	Item	FRL Class 7a	FRL Class 6	FRL Class 2		
TYPE A CLASS 7 CONSTRUCTION - UNITS TYPE A CLASS 7 CONSTRUCTION - CARPARK	REFER TO BCA 2022		huilding alam	ant	External walls: – Less than 1.5 m from side boundary	120/120/120	180/180/180	90/90/90		
DEFINITIONS (as BCA) STRUCTURAL ADEQUACY, in relation to an FRL,	incorporated there in) or other external b the distance from any fire source feature	- 1.5 m to less than 3 m from side boundary - 3 m and over from side boundary	120/ 90/ 90 120/ 60/ 30	180/180/120 180/120/ 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	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		
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	oldoo ru	010000	oldoo 2	- 3 m and over from side boundary	-/-/-	-/-/-	-/-/-		
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.	 loadbearing non-loadbearing 	120/ 90/ 90 -/ 90/ 90	180/120/120 -/120/120	90/90/90 -/90/90	- loadbearing - non-loadbearing	- loadbearing 120/-/- 180/-/- 90/-/- - non-loadbearing -/-//-/ -/-/-	Fire stair doors - self-closing	-/60/ -/60		
	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	units - self closing Lift landing doors	-/60
	Floors: Basement 03 120/120/120 Basement 02 Lower Ground Floor Ground floor over retail Ground floor – over residential First floor over retail		20/120/120 180/180/180 180/180/180 180/180/180		 Loadbearing Non-loadbearing 	120/120/120 180/120/120 -/120/120 -/120/120	90/90/90 -/90/90	Doors to Electrical cupboards	Non	
					Internal walls bounding public corridors and sole occupancy units					-/00/
			180/180/180	90/90/90	- non-loadbearing	120/-/- _/-/-	180/-/- _/-/-	90/90/90 -/60/60		
	First floor over residential	<u> </u>		90/90/90	Walls bounding sole occupancy units	400//	400//	00/00/00		

