



AMENDMENTS

Revision	Date	By
A	REVIEW	14.04.10 KP
B	REVIEW	23.08.10 KP
C	REVIEW	02.11.10 KP
C	DA SUBMISSION	03.11.10 KP
D	Dimension & horizontal sun angles added	23.05.10 KP
E	Penthouse plan and envelope modified	
	Boundary adjustment removed	08.10.11 KP

SUSTAINABILITY COMMITMENTS	
Glazing	Doors / windows: Unit 11- Single glazing, aluminium framed: U-Value- 6.51 & SHGC - 0.71 - Throughout Unit 12- Double glazing, aluminium framed: U-Value- 4.27 & SHGC -0.67 - Throughout
Constructions	Roof: Concrete - Light colour External Wall: Metal cladding - Not yet specified Internal Wall: Plasterboard on studs - To all walls within the unit Concrete rendered - To fire stairs, lift lobby and shaft Floor: Concrete Floor coverings: Timber - To meals and dining area Ceramic Tiles - To all wet areas Carpet - To remainder
Insulations	Roof, ceiling, wall and floor insulation levels are to be as per the ABSA certificate.
Water efficiency	Toilets and showers must be 3 stars & all taps must be 4 star
Hot efficiency	Hot water unit: Gas Solar Boosted - 35-40 RECs Heating: 3 phase air-conditioning to the living area and bedrooms - zoned Cooling: 3 phase air-conditioning to the living area and bedrooms - zoned Lighting: Compact Fluores throughout. OR: Halogens throughout unless noted otherwise on the BASIX certificate - Dedicated fittings Cooking: Gas cook top, gas oven - Unit 11 Gas cook top, electric oven - Unit 12 Clothes drying: Outdoor clothes line only provided Refrigerator Space - Well ventilated The applicant must install a window/skylight in the kitchen of each dwelling
Signed on behalf of PRD Architects: Karl Prince	

Assessor # 20101 Certificate # 58358280 Issued: 07-Oct-11

Thermal Performance Specifications

These are the Specifications upon which the Certified Assessment is based. If details included in these Specifications vary from other drawings or written specifications, these Specifications shall take precedence. If only one specification option is detailed for a building element, that specification must apply to all instances of that element for the project. If alternate specifications are detailed for a building element, the location and extent of alternate specifications must be detailed below and / or clearly indicated on referenced documents.

Windows	Product ID	Glass	Frame	U value	SHGC	Area M ²	Detail
Not yet specified		Single clear	Aluminium	6.51	0.71	163.6	As per plans

Skylights	Product ID	Glass	Frame	U value	SHGC	Area M ²	Detail
None							

Any U and SHGC values specified on Certificates issued after 1 May 2007 are according to NFRC. All values prior to this date are ANAC. Alternate products may be used if their U value is lower, and the SHGC value is less than 10% higher or lower.

External walls	Construction	Insulation	Colour - Solar absorptance	Detail
Metal Cladding	R1.5	Not yet specified		As per plans

Internal walls	Construction	Insulation	Detail
Plasterboard lined	None		To internal walls within the unit
concrete rendered	None		To Fire stairs, Lift Lobby & shaft

Floors	Construction	Insulation	Covering	Detail
Concrete	None		Timber	To Meals and Dining area
			Ceramic Tile	To all wet areas
			Carpet	To remainder

Ceilings	Construction	Insulation	Detail
Plasterboard	None		Apartment above

Roof	Construction	Insulation	Colour	Detail
Concrete Slab	None		Apartment above	As per plans

Window cover	Internal (curtains)	External (awnings, shutters, etc)
None		Dark Grey Curtain wall On edge of balcony

Fixed shading	Excess (width - etc: gutters, height above windows)	Verandahs, Pergolas (type, description)
0	Varying as per plans	Roof Terraces above As per plans

Overshadowing	Overshadowing structures	Overshadowing trees
n/a		n/a

Orientation, Exposure, Ventilation and Infiltration			
Orientation of nominal north: 9 Degrees	Living area open to entry:	Yes	Ventilated skylights: No
Terrain category: Suburban	Living areas separated by doors:	No	Open fire or unvented gas heater: No
Roof ventilation: Unventilated	Solar open to heated areas:	No	Vented downlights: No
Cross ventilation: Standard	Seals to windows and doors:	Yes	Wall and ceiling vents: No
Subfloor ventilation: Neighbour below	Exhaust fans without dampers:	No	



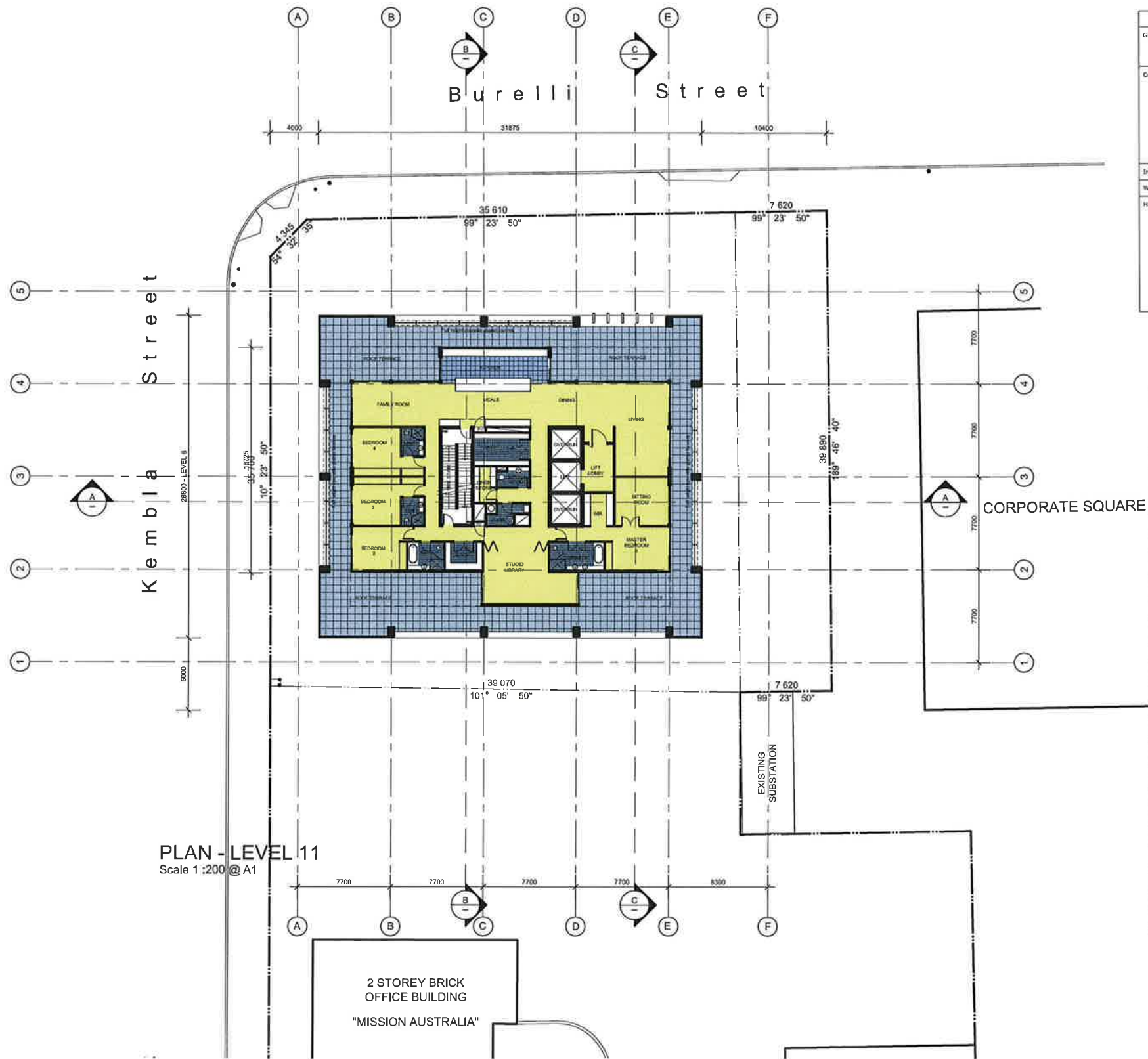
Project:
MID CITY SQUARE
CNR KEMBLA AND BURELLI STS
WOLLONGONG
Client:
DAA HOLDINGS PTY LTD

PRD ARCHITECTS
Level 2, 73 Market Street, Wollongong NSW 2500
Phone: (02) 4228-3099 Facsimile: (02) 4228-1145
Email: office@prdarchitects.com

Title:

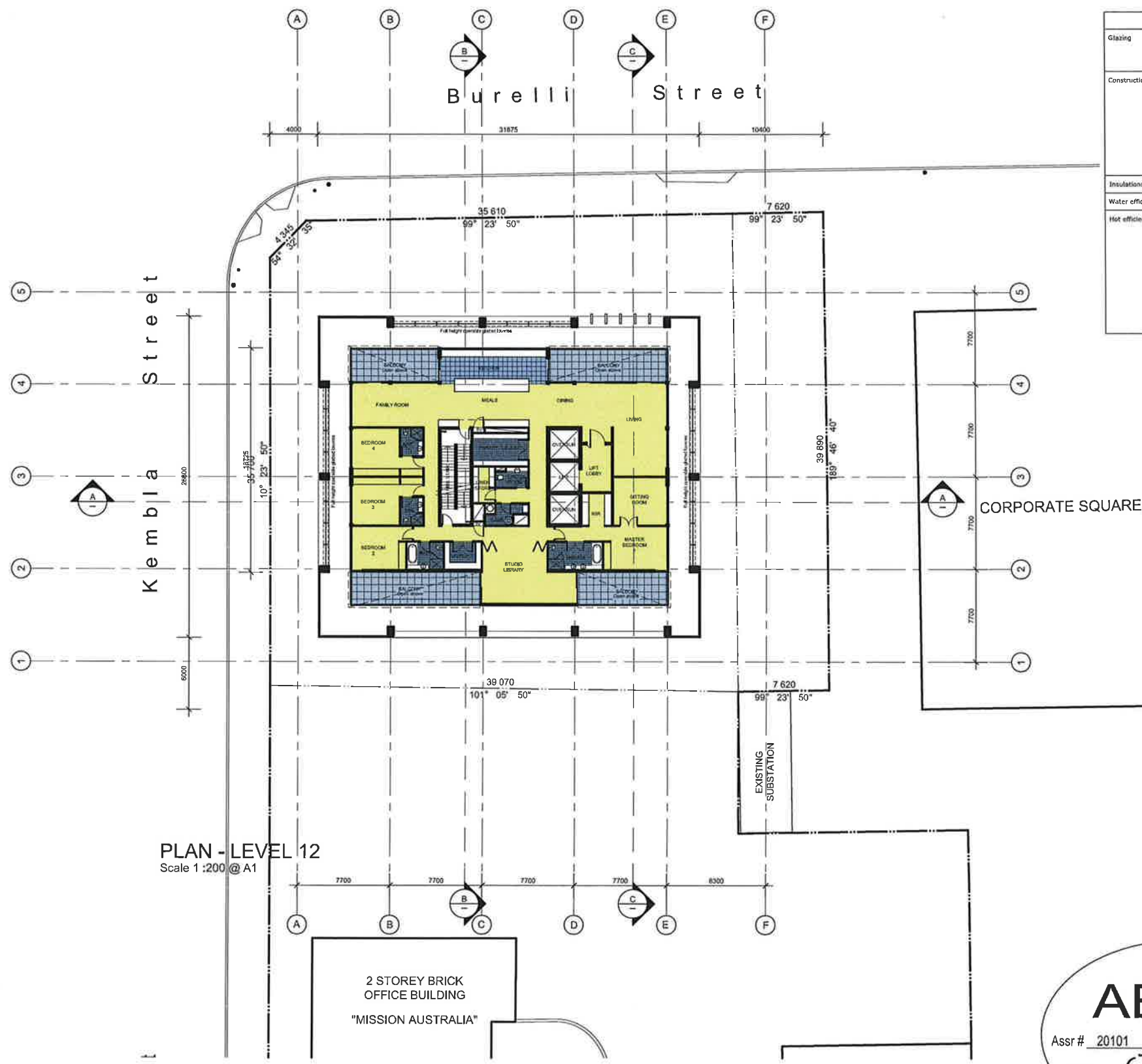
PLAN - LEVEL 11

Date:	Design:	Job No:	Dwg:	Rev:
Scale:	Drawn:	08-051	DA - 12	E
1:200	Checked:			



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DEVELOPMENT APPLICATION
NOT FOR CONSTRUCTION



PLAN - LEVEL 12
Scale 1:200 @ A1

SUSTAINABILITY COMMITMENTS	
Glazing	Doors / windows: Unit 11- Single glazing, aluminium framed: U-Value- 6.51 & SHGC - 0.71 - Throughout Unit 12- Double glazing, aluminium framed: U-Value- 4.27 & SHGC -0.67 - Throughout
Constructions	Roof: Concrete - Light colour External Wall: Metal cladding - Not yet specified Internal Wall: Plasterboard on studs - To all walls within the unit. Concrete rendered - To fire stairs, lift lobby and shaft Floor: Concrete Floor coverings: Timber - To meals and dining area Ceramic Tiles - To all wet areas Carpet - To remainder
Insulations	Roof, ceiling, wall and floor insulation levels are to be as per the ABSA certificate.
Water efficiency	Toilets and showers must be 3 stars & all taps must be 4 star
Hot efficiency	Hot water unit: Gas Solar Boosted - 35-40 RECs Heating: 3 phase air-conditioning to the living area and bedrooms - zoned Cooling: 3 phase air-conditioning to the living area and bedrooms - zoned Lighting: Compact fluores throughout. OR: Halogens throughout unless noted otherwise on the BASIX certificate - Dedicated fittings Cooking: Gas cook top, gas oven - Unit 11 Gas cook top, electric oven - Unit 12 Clothes drying: Outdoor clothes line only provided Refrigerator Space - Well ventilated The applicant must install a window/skylight in the kitchen of each dwelling
Signed on behalf of PRD Architects - Karl Prince	

Assessor #	20101	Certificate #	25763253	Issued:	06-Oct-11
Thermal Performance Specifications					
These are the Specifications upon which the Certified Assessment is based. If details included in these Specifications vary from other drawings or written specifications, these Specifications shall take precedence. If only one specification option is detailed for a building element, that specification must apply to all instances of that element for the project. If alternate specifications are detailed for a building element, the location and extent of alternate specifications must be detailed below and / or clearly indicated on referenced documents.					
Windows	Product ID	Glass	Frame	U value SHGC Area M	Detail
Not yet specified		Double clear	Aluminium	4.27 0.67 163.6	As per plans
Any U and SHGC values specified on Certificates issued after 1 May 2007 are according to NRC. All values prior to this date are ANRC. Alternate products may be used if the U value is lower, and the SHGC value is less than 15% higher or lower.					
External walls	Construction	Insulation	Colour - Solar absorptance	Detail	
Metal Cladding		R1.5	Not yet specified	As per plans	
Internal walls					
Construction	Insulation		Detail		
Plasterboard lined	None		To internal walls within the unit		
concrete rendered	None		To Fire stairs, Lift Lobby & shaft		
Floors	Construction	Insulation	Covering	Detail	
Concrete	None		Timber	To Meals and Dining area	
			Ceramic Tile	To all wet areas	
			Carpet	To remainder	
Ceilings	Construction	Insulation	Detail		
Plasterboard		R2.5	As per plans		
Roof	Construction	Insulation	Colour	Detail	
Concrete Slab	None		Light-GA +0.475	As per plans	
Window cover	Internal (curtains)		External (awnings, shutters, etc)		
Not yet specified			Dark Grey Curtain wall on edge of balcony		
Fixed shading	Eaves (width - inc. gutters, height above windows)		Verandahs, Pergolas (type, description)		
0	0	Varying as per plans		Covered Balconies As per plans	
Overshadowing	Overshadowing structures		Overshadowing trees		
nil		nil			
Orientation, Exposure, Ventilation and Infiltration					
Orientation of nominal north: 8 Degrees	Living area open to entry:		Yes	Ventilated skylights: No	
Terrain category: Suburban	Living areas separated by doors:		No	Open fire or unflued gas heater: No	
Roof ventilation: Unventilated	Stair open to heated areas:		Yes	Vented downlights: No	
Cross ventilation: Standard	Seals to windows and doors:		Yes	Wall and ceiling vents: No	
Subfloor ventilation: Recessed below	Exhaust fans without dampers:		No		



Project:
MID CITY SQUARE
CNR KEMBLA AND BURELLI STS
WOLLONGONG
Client:
DAA HOLDINGS PTY LTD

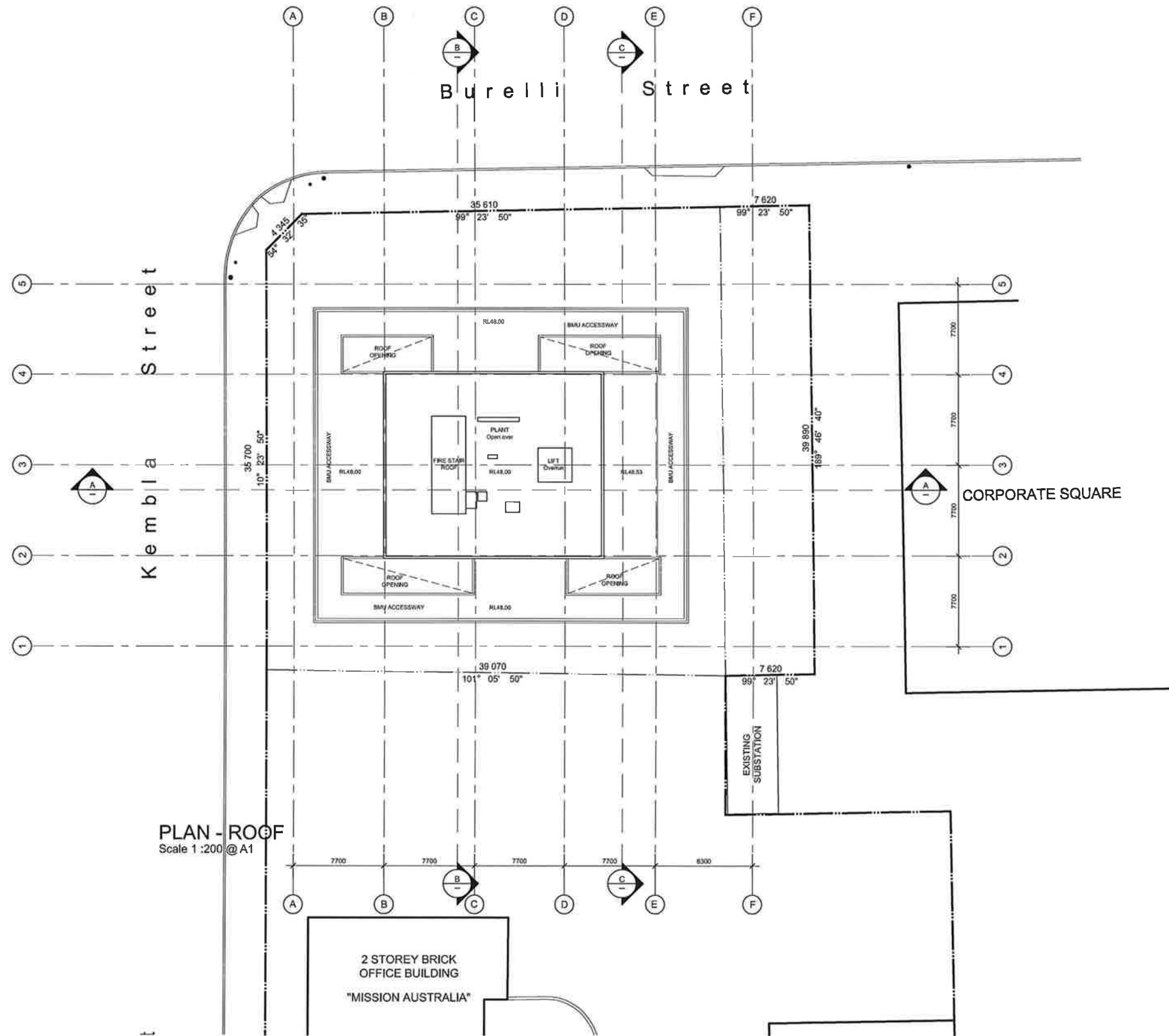
PRD ARCHITECTS
Level 2, 73 Market Street, Wollongong NSW 2500
Phone: (02) 4228-3099 Fax: (02) 4228-1145
Email: info@prdarchitects.com

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1:200	Checked:			



AMENDMENTS

Revision		Date	By:
A	REVIEW	14.04.10	KP
B	REVIEW	23.09.10	KP
B	DA SUBMISSION	03.11.10	KP
C	RESUBMITTED UNALTERED	23.05.11	KP
D	Penthouses, plantroom & roof modified		
	Boundary adjustment removed	05.10.11	KP



PLAN - ROOF
Scale 1:200 @ A1

Project:
MID CITY SQUARE
CNR KEMBLA AND BURELLI STS
WOLLONGONG
Client:
DAA HOLDINGS PTY LTD

PRD ARCHITECTS
Level 2, 73 Market Street, Wollongong NSW 2500
Phone: (02) 4228-3059 Fax: (02) 4228-1145
Email: office@prdarchitects.com

Title:
PLAN - ROOF

Date:	Design:	Job No:	Dwg:	Rev:
Scale: 1:200	Drawn: Checked:	KP 08-051	DA - 15	D