THE UNIVERSITY OF MELBOURNE BCONOMICS & COMMERCE MELBOURNE'S NEWEST AND MOST EXCITING TEACHING AND LEARNING ENVIRONMENTS, IN PARTICULAR THE NEW FACULTY OF ECONOMICS AND COMMERCE BUILDING, WHICH OPENED FOR TEACHING IN THE FIRST SEMESTER OF

STANDING AT THE SOUTH WESTERN CORNER OF THE UNI-VERSITY, THE BUILDING ACTS AS A LANDMARK FEATURE SIGNIFYING ENTRY INTO THE CAMPUS FROM THE CENTRAL BUSINESS DISTRICT.

COMBINING A VARIETY OF TRADITIONAL AND INNOVATIVE CONSTRUCTION AND SERVICING TECHNIQUES, THE PROJECT HAS ACHIEVED RECOGNITION FOR PRODUCING A UNIQUE AESTHETIC, WITHIN READILY UNDERSTANDABLE AND ACHIEVABLE BUILDING PRACTICES. FURTHERMORE, THE DESIGN IS ROBUST IN THAT IT DOESN'T RELY ON UNREALISTIC EXPECTATIONS ABOUT THE ON-GOING PER-FORMANCE OF MULTIPLE EXTERNAL OPERABLE COMPO NENTS. THE BUILDING ACHIEVES VERY HIGH LEVELS OF INDOOR ENVIRONMENT QUALITY (IEQ) PERFORMANCE AS MEASURED AGAINST THE GREEN STAR EDUCATION RATING TOOL, BY PASSIVE MEASURES AND THE UTILISATION OF ADVANCED CHILLED-BEAM AND DISPLACEMENT AIR CON-DITIONING SYSTEMS.

THE BUILDING CONTAINS A NUMBER OF COLLABORATIVE TEACHING SUITES, ALONG WITH TWO TRADITIONAL TIERED FLOOR LECTURE THEATRES, THE LARGEST OF WHICH IS THE UNIVERSITY'S MOST UTILISED TEACHING SPACE.

AN OUTSTANDING WORK OF ARCHITECTURE, THE BUILDING IS VISUALLY STRIKING, WHILST PROVIDING EXCEPTIONAL LEVELS OF ENVIRONMENTAL AND OPERA-TIONAL PERFORMANCE.

THIS FACILITY REPRESENTS THE LATEST ADDITION TO THE UNIVERSITY SQUARE CAMPUS PRECINCT, COMMENCED BY METIER3 IN 1998 WITH THE DELIVERY OF 3 MAJOR BUILD-INGS, THE LAW SCHOOL/ WOODWARD CONFERENCE CENTRE, THE ALAN GILBERT BUILDING AND THE ICT BUILDING, SURROUNDING A MAJOR URBAN PLAZA THAT FORMS THE TRANSITION FROM THE OLD CAMPUS TO THE

COLLECTIVELY, THE UNIVERSITY SQUARE BUILDINGS CONTAIN A PANOPLY OF TEACHING ENVIRONMENTS, SPANNING THE RECENT EVOLUTION IN BUILT PEDAGOGY. AT THE ONE EXTREME, LARGE CAPACITY TIERED FLOOR LECTURE THEATRES AND AT THE OTHER, INTIMATE TRANSACTIONAL TEACHING ENVIRONMENTS, WHERE LEARNING IS FACILITATED, RATHER THAN DIDACTICALLY DELIVERED. METIER3 HAS RELEVANT AND CONTEMPORANEOUS EXPE-RIENCE IN THE DELIVERY OF FACULTY INFRASTRUCTURE FOR THE UNIVERSITY OF MELBOURNE AND WE LOOK

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# The Academic Enviroment

THE UNIVERSITY OF MELBOURNE ECONOMICS & COMMERCE

LAW BUILDING

FROM OUR EARLIEST EXPERIENCES CREATING ACADEMIC ACCOMMODATION DURING THE UNIVERSITY SQUARE PROJECT, TO OUR MOST RECENT WORK WITH THE FACULTY OF ECONOMICS AND COMMERCE, WE HAVE DEVELOPED A DEEP APPRECIATION OF THE COMPLEXITY INVOLVED IN DELIVERING SUCCESSFUL OUTCOMES FOR THE ACADEMIC

WHAT WE HAVE COME TO UNDERSTAND, IS THERE IS NO ONE-SIZE-FITS-ALL SOLUTION WHEN DEALING WITH THE REQUIREMENT OF ACADEMICS AND SUPPORT STAFF.

IN DELIVERING THE **LAW SCHOOL** TENANCY IN 2001, THE BRIEF FROM THE DEAN WAS TO PROVIDE OFFICE ACCOM-BRIEF FROM THE DEAN WAS TO PROVIDE OFFICE ACCOMMODATION FOR ACADEMIC STAFF THAT WAS COMPARABLE
TO WHAT WOULD BE PROVIDED TO VOCATIONAL PROFESSIONALS IN TOP-TIER LAW FIRMS. THIS PRODUCED AN
OUTCOME THAT INVOLVED THE CREATION OF PERIMETER
OFFICES FOR ALL ACADEMIC STAFF, WITH LESS EMPHASIS
ON THE QUALITY OF ENVIRONMENT PROVIDED FOR
RESEARCH ASSISTANTS, PHD STUDENTS AND SUPPORT
STAFF, WHO WERE LARGELY LOCATED INBOARD AND
RELIED ON BORROWED LIGHT.

BEGINNING WITH THIS AS A STARTING PREMISE, OUR JOURNEY WITH THE FACULTY OF ECONOMICS AND COMMERCE, EXPLORED A VARIETY OF POSSIBLE ARRANGE-MENTS THAT COULD DELIVER A MORE EQUITABLE OUTCOME FOR ALL OCCUPANTS.

WE RECOGNISED THE NEED FOR ACADEMIC STAFF TO HAVE QUIET WORK SPACES, WHILST NOT LIMITING THE OPPORTUNITY TO INTERACT WITH PEERS, STUDENTS AND SUPPORT STAFF, IN THE CASE OF THE FACULTY OF ECONOMICS AND COMMERCE, THE OUTCOME HAS INVOLVED THE CREATION OF A MODULAR, FLEXIBLE ARRANGEMENT OF GLASS-FRONTED ACADEMIC OFFICES INBOARD, SEPARATED FROM THE FACADE BY A BAND OF OPEN PLAN WORK SPACES. THESE ARE SUPPORTED BY THE LOCATION OF FORMAL AND INFORMAL MEETING AREAS AROUND THE FLOORS, ENCOURAGING ACADEMIC STAFF TO LEAVE THEIR OFFICE FOR MEETINGS WHEN APPROPRIATE. OFFICE FOR MEETINGS WHEN APPROPRIATE.

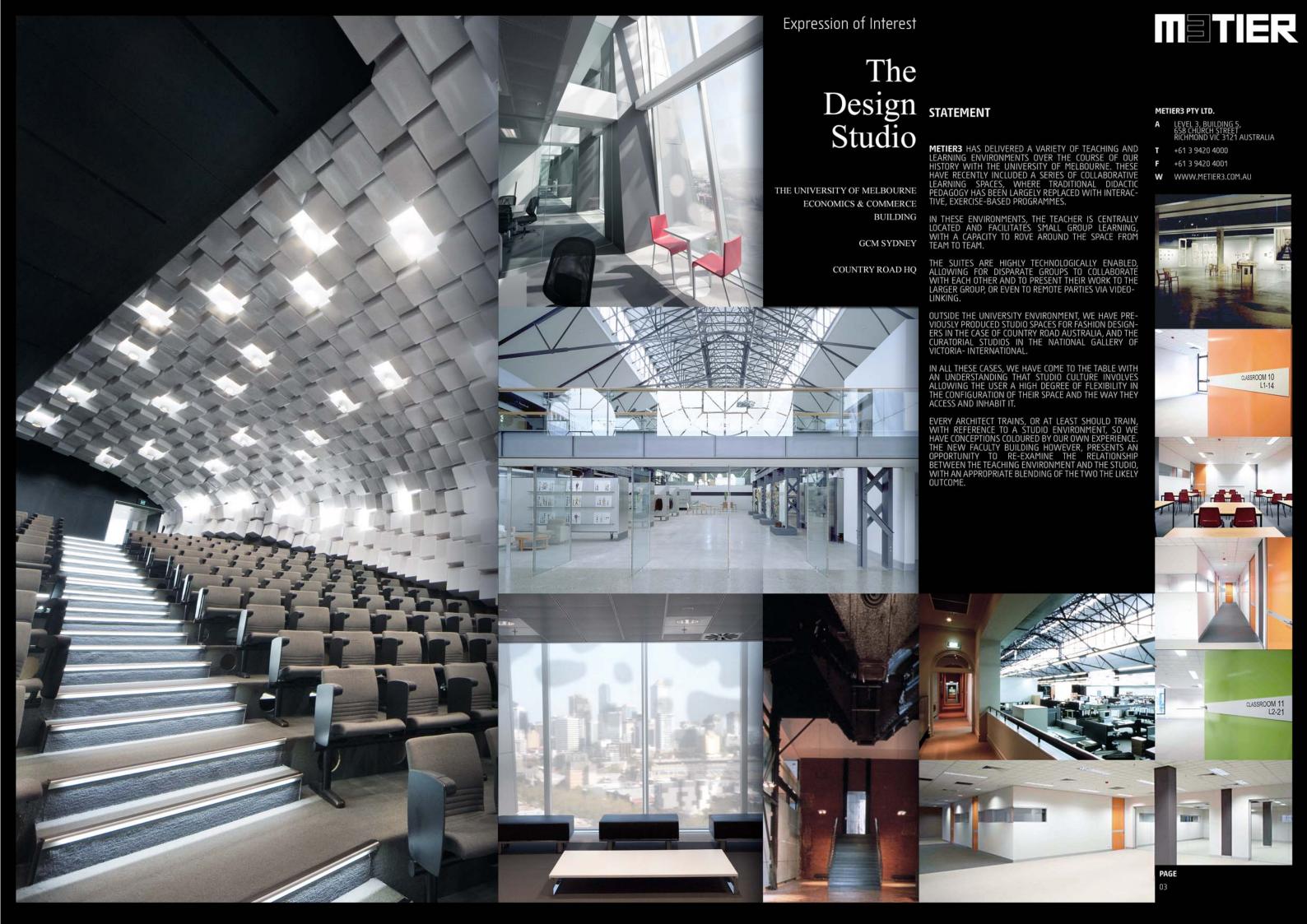
THE WAY THE FACULTY USE THE SPACE IS STILL EVOLVING AND WILL PROBABLY CONTINUE TO DO SO FOR AS LONG AS THE BUILDING EXISTS, HOWEVER THE SPACE HAS BEEN DESIGNED TO ALLOW FOR EASY RECONFIGURATION, FROM THE CURRENT PARADIGM, ALL THE WAY ACROSS THE SPECTRUM TO A FULLY OPEN PLAN FLOOR. THIS HAS BEEN ACCOMPLISHED BY THE USE OF A HIGH QUALITY MODULAR DEMOUNTABLE PARTITION SYSTEM AND A HVAC STRATEGY THAT ALLOWS FOR EASY RECONFIGURATION.

WE BELIEVE THIS PLACES METIER3 IN A UNIQUE POSITION IN REGARD TO FACULTY INFRASTRUCTURE FOR THE UNIVERSITY OF MELBOURNE AND THAT WE HAVE THE EXPERI-ENCE NECESSARY TO CREATE ANOTHER WORLD CLASS ACADEMIC ENVIRONMENT FOR THE FACULTY OF ARCHITEC-TURE BUILDING AND PLANNING.

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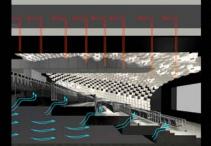




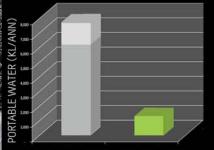
# The Living Building

THE UNIVERSITY OF MELBOURNE ECONOMICS & COMMERCE

ALAN GILBERT BUILDING



ESD DATA: SCHOOL OF ECONOMICS + COMMERCE



TYPICAL OFFICE ECONOMICS & COMMERCE BUILDING

### STATEMEN<sup>1</sup>

METIER3 HAS JUST DELIVERED THE UNIVERSITY OF MELBOURNE'S GREENEST BUILDING. INDEED, THE FACULTY OF ECONOMICS AND COMMERCE, IS CURRENTLY RATED THE BEST ENVIRONMENTAL PERFORMING EDUCATION BUILDING IN VICTORIA AND THE ONLY GREEN STAR EDUCATION RATED BUILDING OF ITS SIZE IN THE COUNTRY.

WITHOUT DETAILING ALL THE WAYS THIS PROJECT HAS ACHIEVED ITS RATING, IT'S WORTH EMPHASISING THAT INDOOR ENVIRONMENT QUALITY (IEQ) HAS BEEN OPTIMISED BY A RANGE OF STRATEGIES, INCLUDING GLARE CONTROL, INDIVIDUAL OCCUPANT TEMPERATURE CONTROL, ONCE-THROUGH (100% FRESH AIR) CONDITIONING AND SELECTION OF MATERIALS TO MINIMISE VOC'S.

WHILST WE CANVASSED A VARIETY OF OPERABLE FACADE SYSTEMS, INCLUDING EXTERNAL SHADING DEVICES EARLY IN THE PROJECT, IT WAS DECIDED IN COLLABORATION WITH THE UNIVERSITY AND THEIR DESIGN CONSULTANTS, THAT A STATIC/ PASSIVE APPROACH OFFERED GREATER RELIABILITY AND ECONOMIES IN DELIVERY. INDEED, THE PROJECT WAS DELIVERED WITHIN ITS ESD BUDGET CONTINGENCY OF JUST 5% OVER A COMPARABLE REFERENCE BUILDING.

OUR EXPERIENCE WITH GREEN BUILDINGS IS NOT RECENT OR ISOLATED. IN 2002, WE DELIVERED THE ALAN GILBERT BUILDING FOR THE UNIVERSITY OF MELBOURNE. THE RECIPIENT OF THE 2002 COMBINED RAIA/ SEAV AWARD FOR SUSTAINABLE ARCHITECTURE, THIS BUILDING HAS, SINCE ITS COMPLETION, BEEN USED BY THE FACULTY OF ARCHITECTURE, BUILDING AND PLANNING AS A CASE STUDY IN THE TEACHING OF ESD TO UNDERGRADUATES.

THERE'S A LOT OF WHITE NOISE, REGARDING UNSUBSTAN-TIATED ENVIRONMENTAL PERFORMANCE CLAIMS FOR EDU-CATION PROJECT, HOWEVER THE METRICS NEED TO BE UNDERSTOOD AND THE ACHIEVEMENT RECOGNISED. THE FACULTY OF ECONOMICS AND COMMERCE STANDS ALONE IN THIS SPACE, WITH A RATING OF 5 STARS ON THE GREEN STAR EDUCATION (PILOT) TOOL.

"THE HOLISTIC AND EXEMPLARY APPROACH TO THE ECO-NOMICS AND COMMERCE BUILDING'S EFFICIENCY OF DESIGN AND SUSTAINABLE MANAGEMENT, DEMON-STRATES THE UNIVERSITY'S MISSION TO ACHIEVE A 50% REDUCTION IN CARBON BY 2010 AND CARBON NEUTRAL-ITY BY 2030."

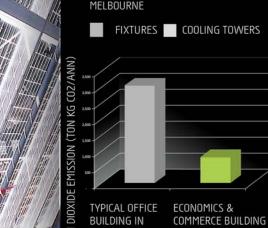
GLYN DAVIS VICE-CHANCELLOR UNIVERSITY OF MELBOURNE

- A LEVEL 3, BUILDING 5, 658 CHURCH STREET RICHMOND VIC 3121 AUSTRAL
  - +61 3 9420 4000
- +61 3 9420 4001
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METIER3 IS A DESIGN FOCUSSED, STUDIO BASED ARCHITECTURAL PRACTICE, WHO ALSO HAVE A PROVEN TRACK RECORD IN THE DELIVERY OF THIS VERY TYPE OF PROJECT, FOR THIS LIMIVERSITY

OVER THE LAST 10 YEARS, WE HAVE PRODUCED 4 MAJOR BUILDINGS AS PART OF THE UNIVERSITY SQUARE CAMPUS, INCLUDING THE RECENTLY COMPLETED FACULTY OF ECONOMICS AND COMMERCE.

IN ADDITION TO OUR EDUCATION PORTFOLIO PROJECTS, METIER3 HAS COMPLETED PROJECTS RANGING UP TO \$270M IN A VARIETY OF OTHER SECTORS, INCLUDING THE NATIONAL GALLERY OF VICTORIA- INTERNATIONAL AND 717 BOURKE STREET, CURRENTLY IN CONSTRUCTION IN MELBOURNE'S DOCKLANDS.

OUR TEAM IS COMPRISED OF SENIOR STAFF WHO HAVE A DEPTH OF EXPERIENCE IN MAJOR UNIVERSITY PROJECTS AND CAN PROVIDE THE HIGHEST LEVEL OF PROJECT APPRECIATION FOR THIS SPECIFIC PROJECT, AVAILABLE IN THE MARKET TODAY.

THE TEAM WILL BE LED BY THE **DIRECTOR OF THE EDUCATION** PORTFOLIO, **PAUL BENNETT**. HE HAS BEEN INVOLVED IN ALL THE UNIVERSITY OF MELBOURNE PROJECTS OVER THE LAST DECADE AND BRINGS A WEALTH OF UNDERSTANDING OF THE CLIENT BODY AND ITS PROJECT IMPERATIVES. PAUL WILL BE ALLOCATED BETWEEN 80% DURING PROJECT ESTABLISHMENT, TO 40% IN LATTER STAGES.

SUPPORTING HIM, WILL BE A TEAM OF SENIOR STAFF WHO ALL HAVE RECENT, RELEVANT EXPERIENCE WITH A UNIVERSITY OF MELBOURNE FACULTY BUILDING PROJECT.

RADE TRAJCEVSKI WILL BE THE PROJECT DIRECTOR, CONTINUING ON FROM PERFORMING THIS ROLE ON THE ECONOMICS AND COMMERCE PROJECT. RADE WILL BE TASKED AT 100% THROUGH TO COMPLETION OF CONTRACT DOCUMENTATION, MOVING TO 50% FOR SUBSEQUENT PHASES.

JEAN-FRANCOIS LAGACE WILL BE THE DESIGN ASSOCIATE RESPONSIBLE FOR LEADING THE DESIGN TEAM. JEAN-FRANCOIS FORMERLY WORKED FOR MONTREAL FIRM SAUCIER + PERROTTE AND WAS INVOLVED IN THE ARCHITECTURE FACULTY PROJECT FOR MCGILL UNIVERSITY, BEFORE JOINING METIER3 IN 2006 AND PERFORMING A VITAL ROLE IN COMPLETING THE FACULTY ACCOMMODATION BRIEF FOR ECONOMICS AND COMMERCE. JEAN-FRANCOIS WILL BE ALLOCATED 100% THROUGH TO DESIGN DEVELOPMENT, MOVING TO 60% FOR CONTRACT DOCUMENTATION AND 20% FOR SUBSEQUENT PHASES.

DAVID PALMER WILL BE OUR PROJECT ASSOCIATE, CONTINUING THE ROLE HE PERFORMED ON THE ECONOMICS AND COMMERCE BUILDING. DAVID WILL BE ALLOCATED 100% FOR THE DURATION.

OUR **METHODOLOGY** FOR THIS PROJECT INVOLVES IDENTIFYING THE PROJECT CONTROL GROUP'S IMPERATIVES FOR THIS PROJECT AND DELIVERING THEM. THAT WILL INVOLVE A BRIEF, A BUDGET AND A PROGRAMME. WE UNDERSTAND THAT THESE ARE ALL ESTABLISHED TO SOME EXTENT, HENCE WE SEE THE DELIVERY PROCESS AS FAR MORE STRAIGHTFORWARD THAN MOST PROJECTS WE HAVE UNDERTAKEN IN THIS SECTOR.

WE HAVE **NOMINATED** THE DEAN OF ECONOMICS AND COMMERCE, PROFESSOR MARGARET ABERNETHY AND THE VICE PRINCIPLE AND GENERAL MANAGER-CONSTRUCTION, PROPERTY AND CAMPUS SERVICES AS OUR REFEREES, HOWEVER OUR PERFORMANCE IS WELL KNOW AT ALL LEVELS OF THE VICE CHANCELLORS OFFICE AND THE OFFICE OF PROPERTY AND CAMPUS SERVICE.

METIER3 HAS AN ESTABLISHED RECORD AT THE UNIVERSITY OF MEL-BOURNE, FOR DELIVERING PROJECTS OF THIS TYPE AND WE ARE UNIQUELY PLACED TO CONTINUE OUR RELATIONSHIP WITH THIS EXCITING PROJECT FOR THE FACULTY OF ARCHITECTURE BUILDING AND PLANNING.

- A LEVEL 3, BUILDING 5, 658 CHURCH STREET BICHMOND VIC 3121 AUSTRALIA
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## Merit STATEMENT

PROPERTY COUNCIL OF AUSTRALIA AWARD VICTORIA UNIVERSITY SQUARE (THE UNIVERSITY OF MELBOURNE) MELBOURNE, VICTORIA

RAIA (VIC) SUSTAINABLE ARCHITECTURE AWARD THE UNIVERSITY OF MELBOURNE, BUILDING A. MELBOURNE, VICTORIA

RAIA (VIC) AWARD OF MERIT COMMERCIAL DOCUMENT PRINTING AUSTRALIA.
MELBOURNE, VICTORIA

RAIA (VIC) AWARD OF MERIT COMMERCIAL BUILDING 5, 658 CHURCH STREET, RICHMOND, VICTORIA

1998
MASTER BUILDERS COMMERCIAL AWARD
COUNTRYROAD HEADQUARTERS.
RICHMOND, VICTORIA

RAIA (NSW) AWARD OF MERIT CRACKENBACK RIDGE RESIDENCE. THREDBO, NEW SOUTH WALES

1997 RAIA (NATIONAL) ROBYN BOYD AWARD FOR HOUSING COMMENDATION CRACKENBACK RIDGE. THREDBO, NEW SOUTH WALES

RAIA (NATIONAL) COMMERCIAL AWARD COUNTRY ROAD HEADQUARTERS. RICHMOND, VICTORIA

RAIA (VIC) AWARD OF MERIT COMMERCIAL COUNTRY ROAD HEADQUARTERS. RICHMOND, VICTORIA

1996 RAIA (VIC) COMMENDATION NEW COMMERCIAL HEIDELBERG AUSTRALIA. RICHMOND, VICTORIA

RAIA (VIC) COMMENDATION ENERGY EFFICIENCY SECV HEADQUARTERS. MELBOURNE, VICTORIA

### RAIA (VIC) COMMENDATION DOWNTOWNER HOTEL. CARLTON, VICTORIA

CITY OF MELBOURNE, BUILDING & PLANNING AWARD - COMMERCIAL ALTERATIONS & EXTENSIONS DOWNTOWNER

HOTEL. CARLTON, VICTORIA

RAIA (VIC) AWARD OF MERIT NEW COMMERCIAL SECV\ HEADQUARTERS. MELBOURNE, VICTORIA

## 1994 RAIA (VIC) COMMENDATION COUNTRY ROAD AUSTRALIA. SOUTH YARRA, VICTORIA

RAIA (VIC) AWARD OF MERIT -COMMERCIAL ALTERTIONS & EXTENSIONS T&G BUILDING. MELBOURNE, VICTORIA

RAIA (VIC) AWARD OF MERIT - NEW COMMERCIAL

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TRALIA, MONUMENT MAGAZINE, INTERIOR ARCHITECTURE, ARCHITECT VICTORIA AND HOUSES MAGAZINE. OUR LATEST PROJECT THE FACULTY OF ECONOMICS AND COMMERCE IS SCHEDULED FOR PUBLICATION IN THE

IN THE 24 YEARS SINCE ITS FORMATION, METIER3 HAS RECEIVED OVER **18 PEER AWARDS AND COMMENDA-**

THESE HAVE RANGED FROM INSTITUTE OF ARCHITECTS AWARDS IN THE COMMERCIAL, RESIDENTIAL AND ENVI-

RONMENTAL CRITERIA, TO MASTER BUILDERS AND PROPERTY COUNCIL AWARDS FOR URBAN SCALE PROJECTS, INCLUDING THE UNIVERSITY SQUARE PROJECT

OUR PREVIOUS PROJECTS HAVE BEEN PUBLISHED IN JOURNALS INCLUDING GA HOUSES, ARCHITECTURE AUS-

TIONS FOR COMPLETED PROJECTS.

FOR THE UNIVERSITY OF MELBOURNE.

AUGUST EDITION OF MONUMENT MAGAZINE FOCUSSED ON PUBLIC BUILDINGS. WE HAVE PRESENTED AT CONFERENCES AND FORUMS INCLUDING THE RECENT GREEN CITIES CONFERENCE AND

PLEASE REFER TO THE ATTACHED LIST OF AWARDS FOR FURTHER INFORMATION.

