

GLENN MURCUTT

details revisited

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Details Revisited: The detailing methodologies of Glenn Murcutt
Gerard Damiani, Associate Professor

The following drawings were prepared as part of the architectural elective Detailing Architecture in the spring of 2015 at Carnegie Mellon University, School of Architecture.

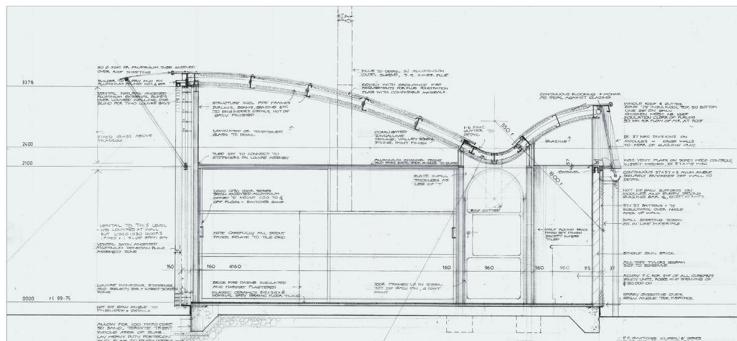
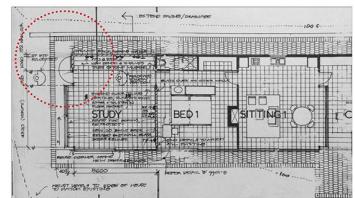
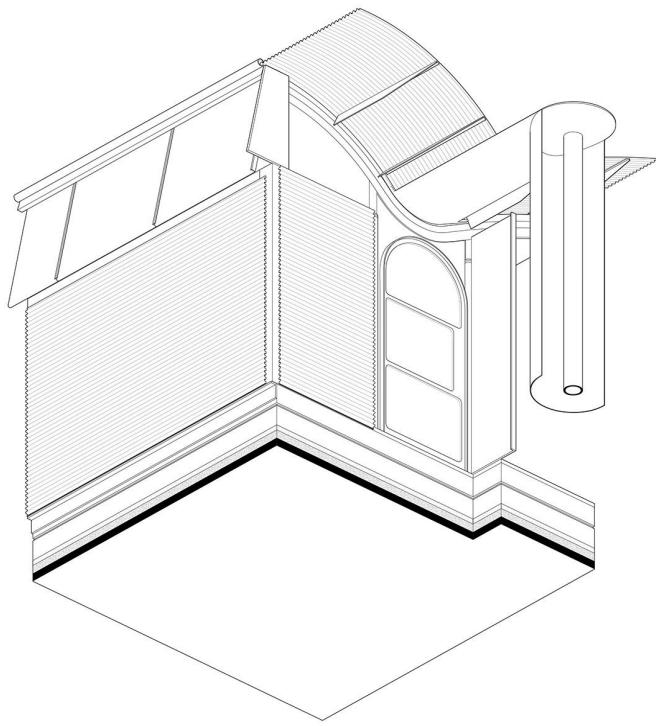
Glenn Murcutt is one of a limited group of architects who allows through publication a snap shot of his process. The drawings he presents vary from the initial sketches to detailed construction documents. Preliminary drawings show programmatic relationships as well as how those relationships address the conditions of site topography, seasonal orientation and airflow. Other drawings give a glimpse into how construction materials and their assemblies can directly inform, advance and elaborate the initial project responses. Lastly, his sharing of construction documents brings into light to the builder how to execute these desires. The drawings Murcutt presents in these publications are fragmentary in nature- never showing completely how these documents lead to the built architectural work.

This class uses these drawings as a starting point from which to speculate. This allows each student to speculate how these published drawings might lead to an overall three-dimensional construction assembly.

These drawings are not to be viewed as factual, accurate representations of the actual assemblies, instead they are to be viewed as speculations allowing the student to gain an insight into how an architect should think of the detail as a thematic functional assembly that reinforces the overall architectural framework.

The objective is for the student to understand that the role of the detail and the materials that constitute it are not to be thought of as products, but instead as components that enhance the functional, performative and aesthetic goals of a true work of architecture.

Glenn Murcutt is an Australian architect whose work is grounded in the Australian landscape that pays astute attention to the environment. These observations inform his architecture through an economical palette of materials. Murcutt has been recognized for his accomplishments through numerous publications and awards including the 1992 Alvar Aalto Medal, the 2002 Pritzker Prize and the 2009 AIA Gold Medal.



MAGNEY RESIDENCE GLENN MURCUTT

MORUYA, NSW, AUSTRALIA
1982 - 1984

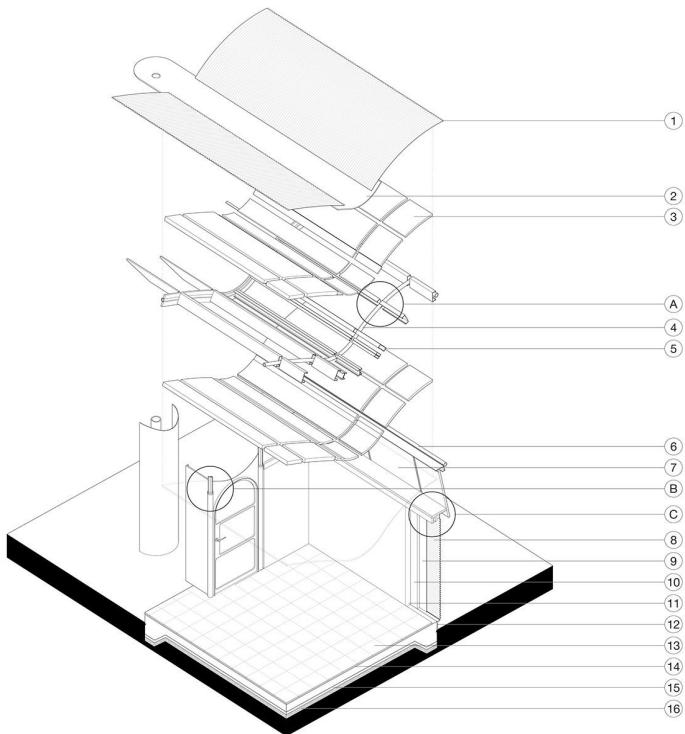
DETAIL TYPE:
ROOF STRUCTURE

DETAILING ARCHITECTURE

SPRING 2015

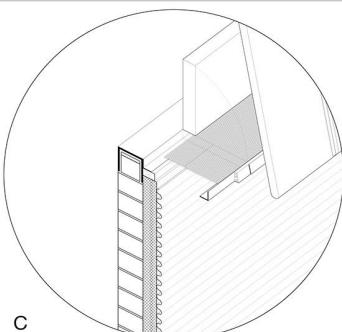
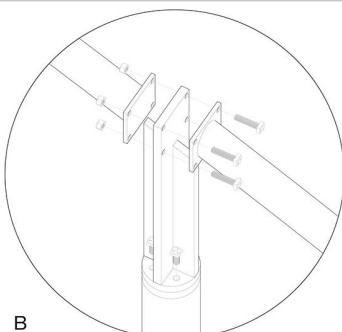
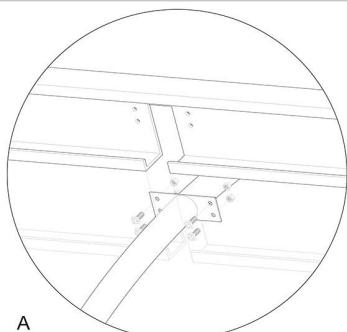
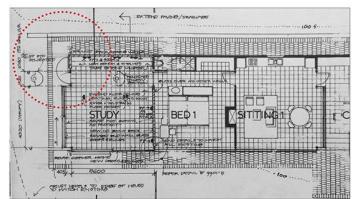
INSTRUCTOR: DAMIANI

DRAWN BY: JOSE R. PERTIERRA



KEY:

- 1. CORRUGATED GALVANIZED STEEL
- 2. GALVANIZED GUTTER
- 3. INSULATION
- 4. GALVANIZED PIPE FRAME
- 5. C CHANNEL BEAMS
- 6. ALUMINUM TUBE
- 7. GLAZING
- 8. CORRUGATED GALVANIZED STEEL
- 9. INSULWOOL INSULATION
- 10. BATTEN BOARD INSULATION
- 11. SINGLE SKIN BLOCK
- 12. GALVANIZED ANGLE
- 13. CERAMIC FLOOR TILING
- 14. BACKERBOARD
- 15. HARDCORE SAND, TERMITE GUARD
- 16. HEAVY DUTY FORTECON



**MAGNEY RESIDENCE
GLENN MURCUTT**

MORUYA, NSW, AUSTRALIA
1982 - 1984

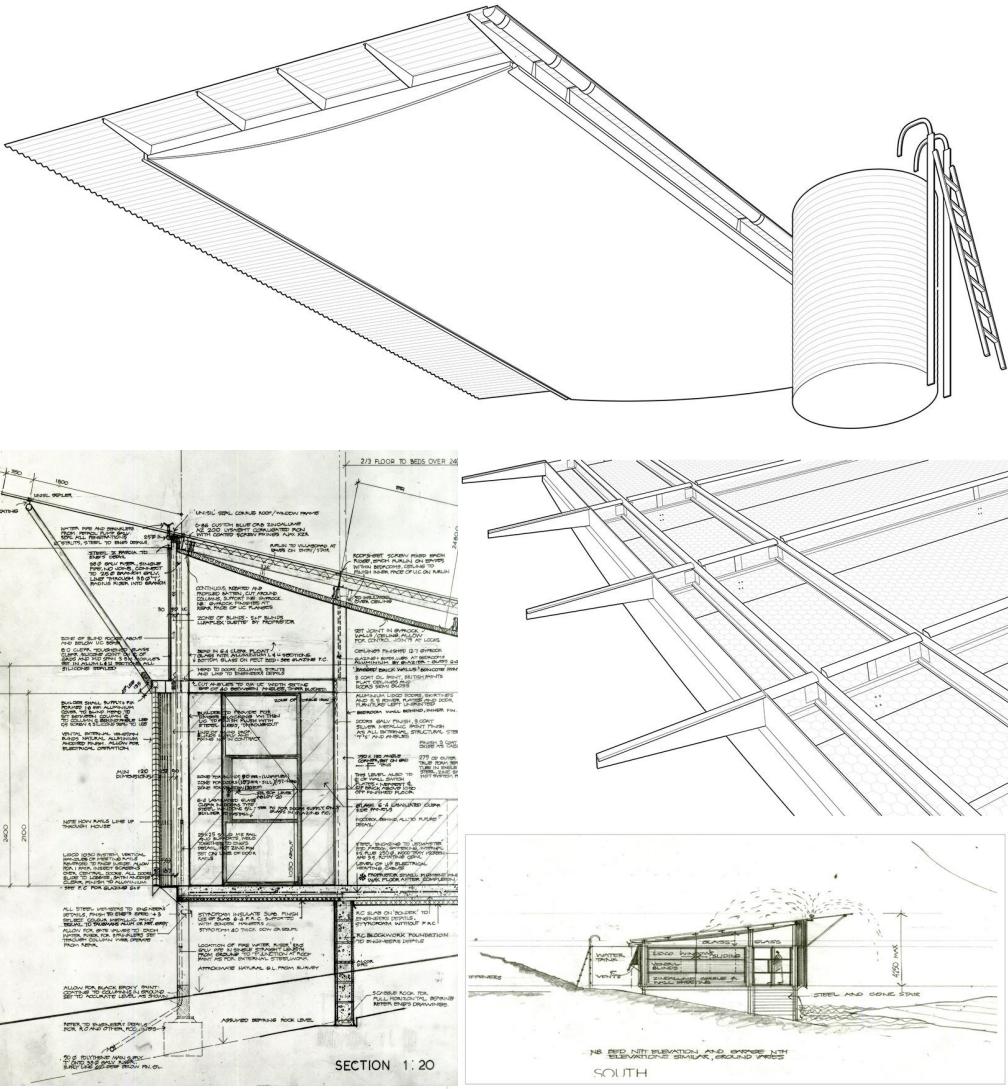
**DETAIL TYPE:
ROOF STRUCTURE**

DETAILING ARCHITECTURE

SPRING 2015

INSTRUCTOR: DAMIANI

DRAWN BY: JOSE R. PERTIERRA



SIMPSON LEE HOUSE

GLENN MURCUTT

MOUNT WILSON, BLUE MOUNTAINS,
NEW SOUTH WALES, AUSTRALIA

1988-1993

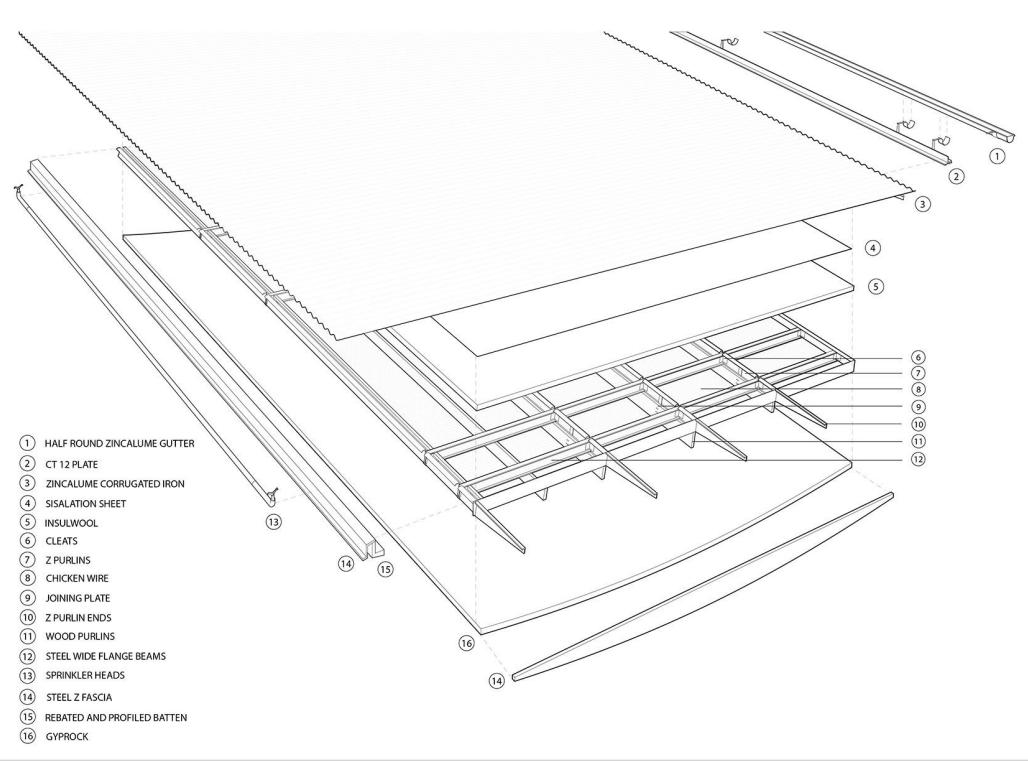
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DETAILING ARCHITECTURE

SPRING 2015

INSTRUCTOR: DAMIANI

DRAWING BY: SIMA BDEIR



SIMPSON LEE HOUSE

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1988-1993

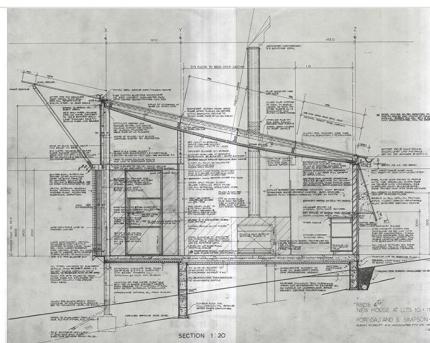
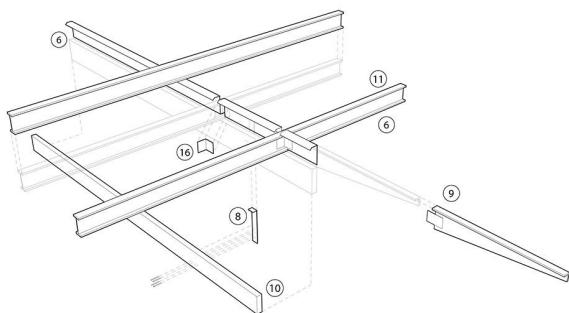
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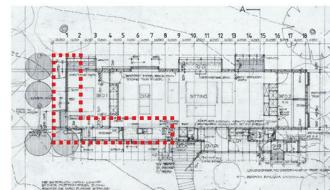
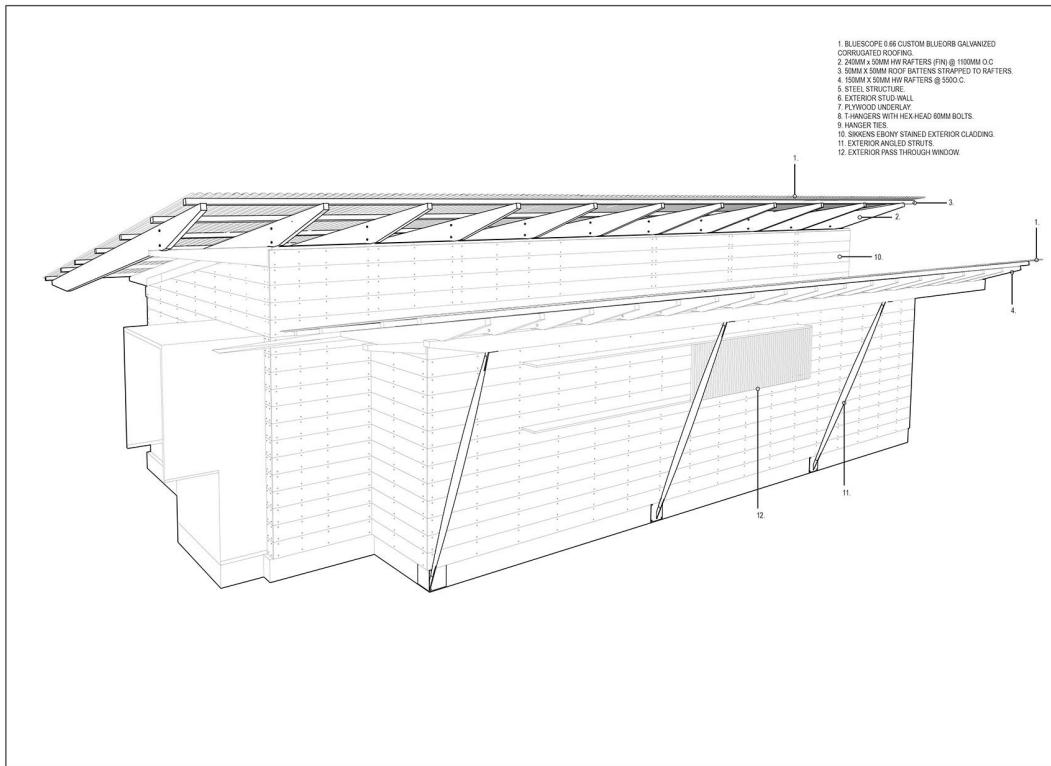
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SPRING 2015

INSTRUCTOR: DAMIANI

DRAWING BY: SIMA BDEIR



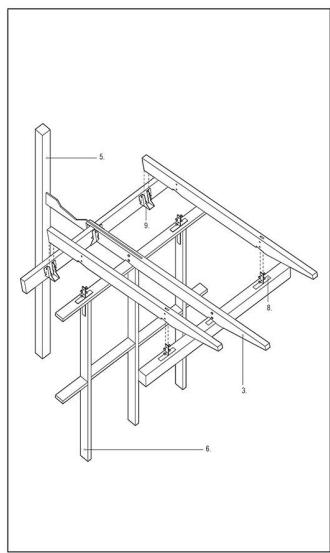
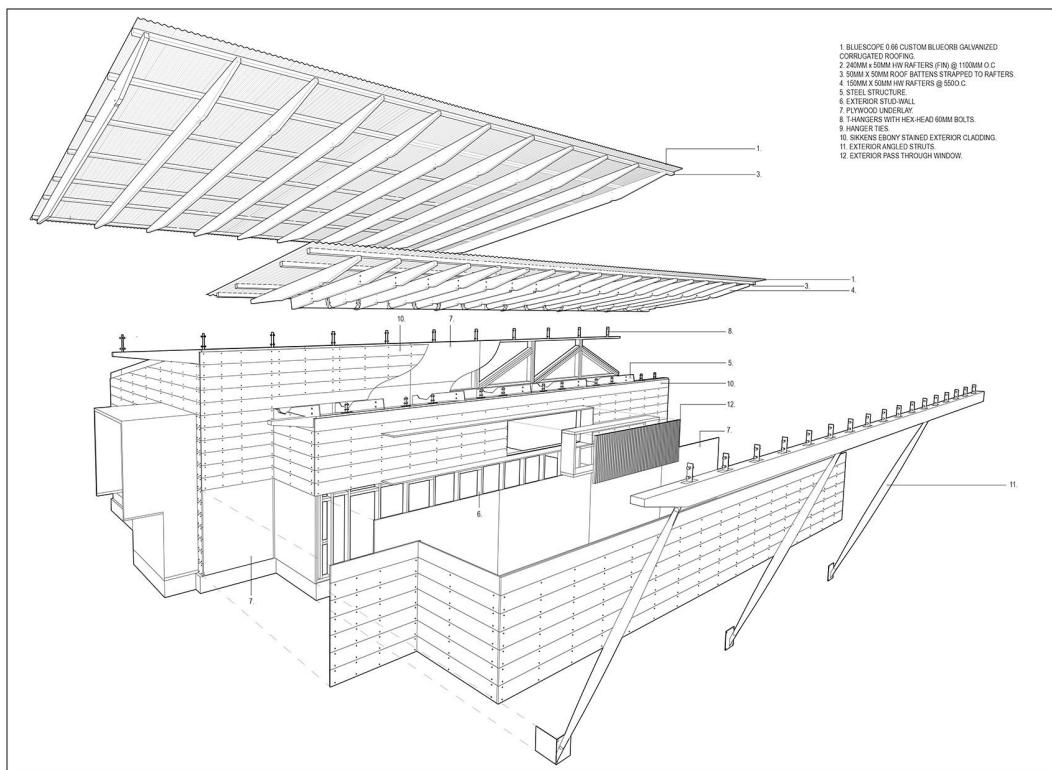


HOUSE IN MT. WILSON GLENN MURCUTT

BLUE MOUNTAINS, NSW, AU
2005 - 2008

DETAIL TYPE:
CORNER ASSEMBLY

DETAILING ARCHITECTURE
SPRING 2015
INSTRUCTOR: DAMIANI
DRAWING BY: MARCOS GONZALEZ-BODE

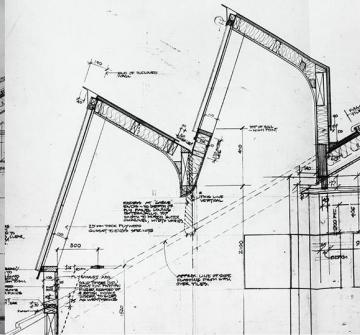
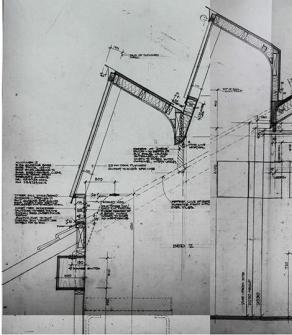
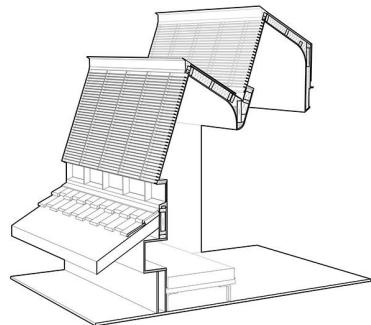
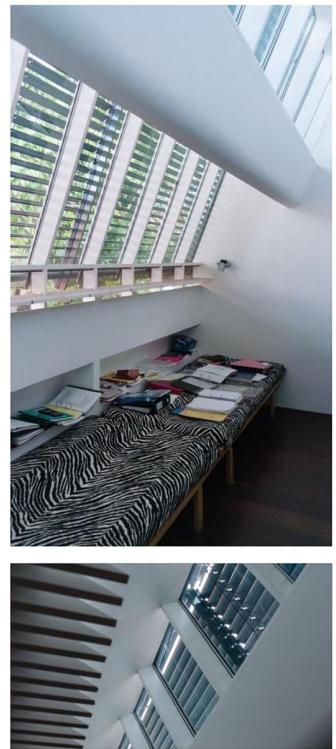
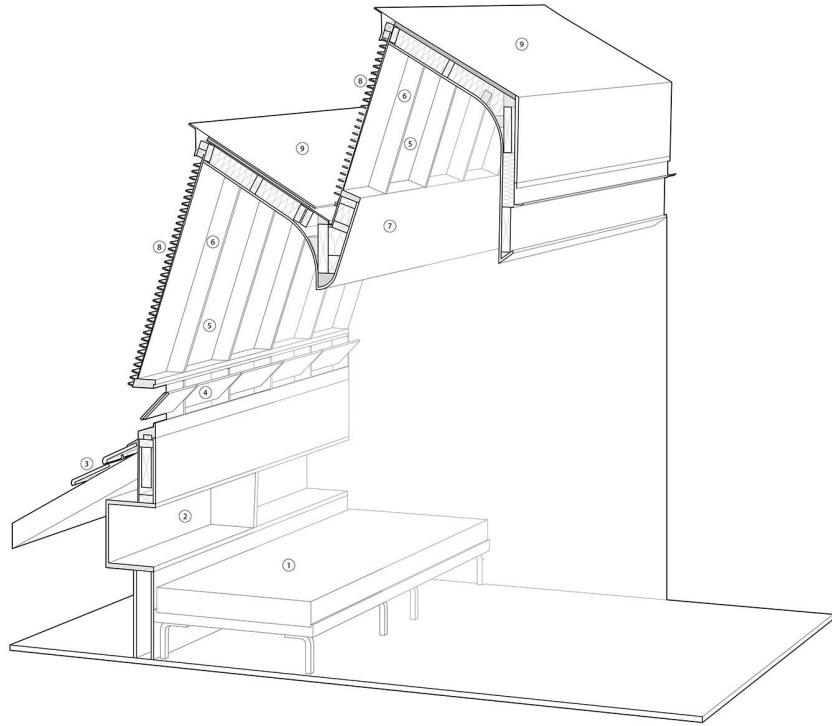


HOUSE IN MT. WILSON GLENN MURCUTT

BLUE MOUNTAINS, NSW, AU
2005 - 2008

DETAIL TYPE:
CORNER ASSEMBLY

DETAILING ARCHITECTURE
SPRING 2015
INSTRUCTOR: DAMIANI
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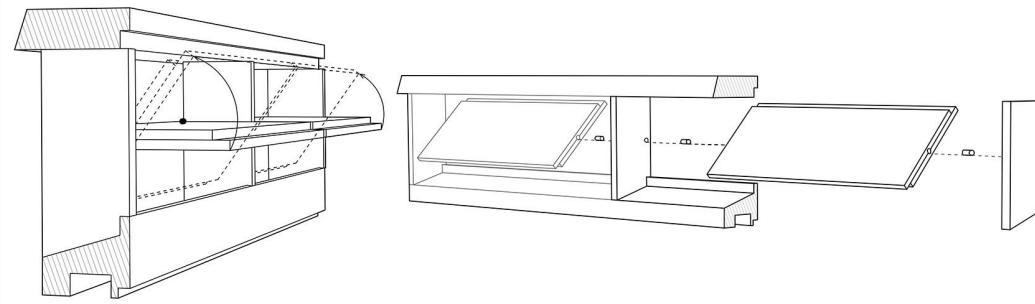
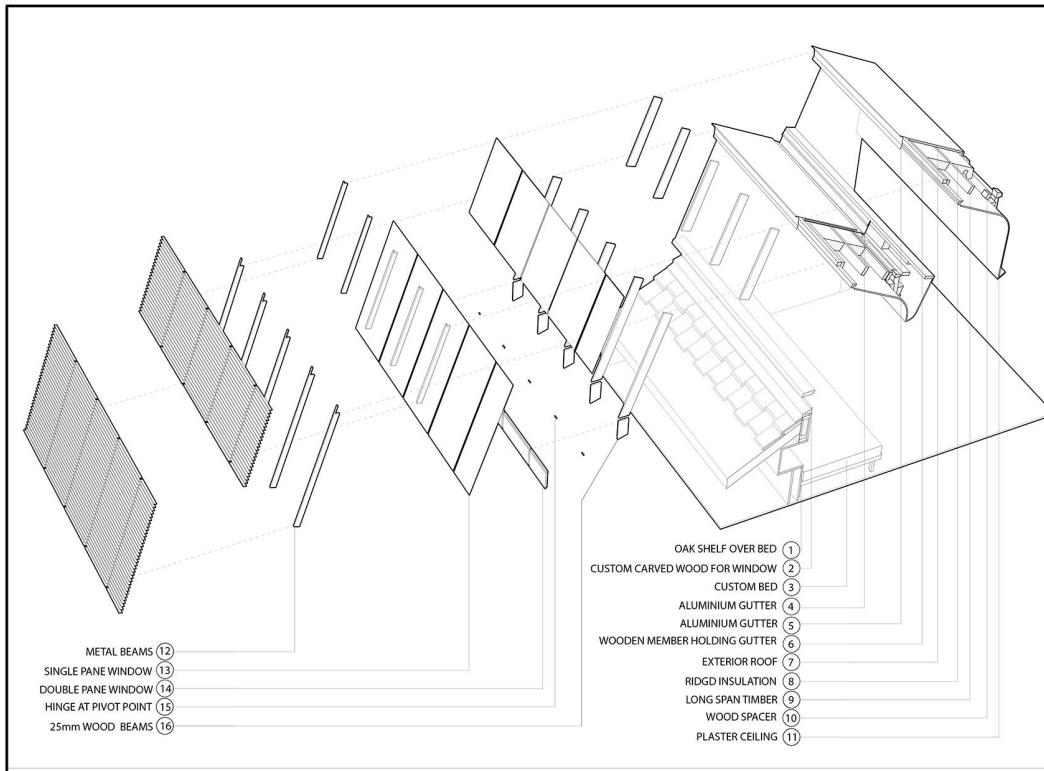


LEWIN MURCUTT HOUSE
GLENN MURCUTT
MOSMAN, NEW SOUTH WALES, AU

1999- 2003

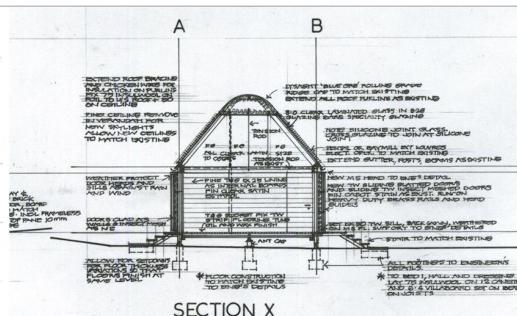
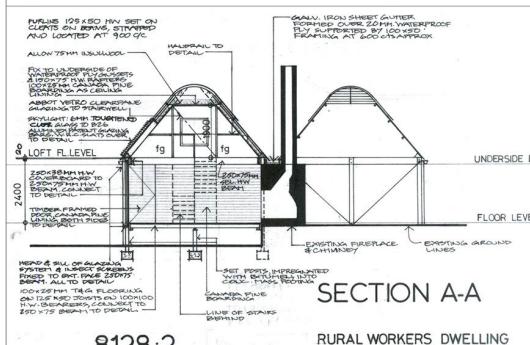
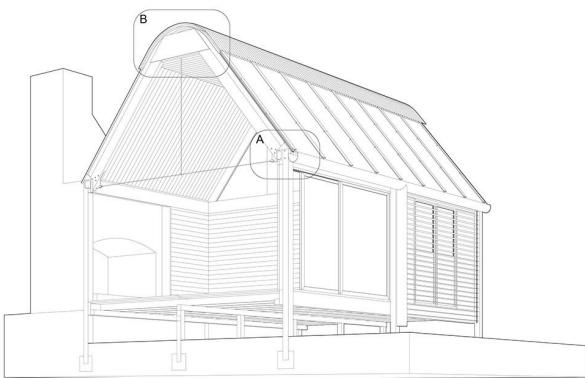
DETAIL TYPE: WINDOW

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DRAWING BY: KATHERINE DUERR

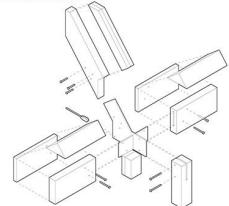


LEWIN MURCUTT HOUSE
GLENN MURCUTT
MOSMAN, NEW SOUTH WALES, AU
1999- 2003
DETAIL TYPE: WINDOW

DETAILING ARCHITECTURE
SPRING 2015
INSTRUCTOR: DAMIANI
DRAWING BY: KATHERINE DUERR



A. POST/BEAM DETAIL



FREDERICKS HOUSE

GLENN MURCUTT

JAMBEROO

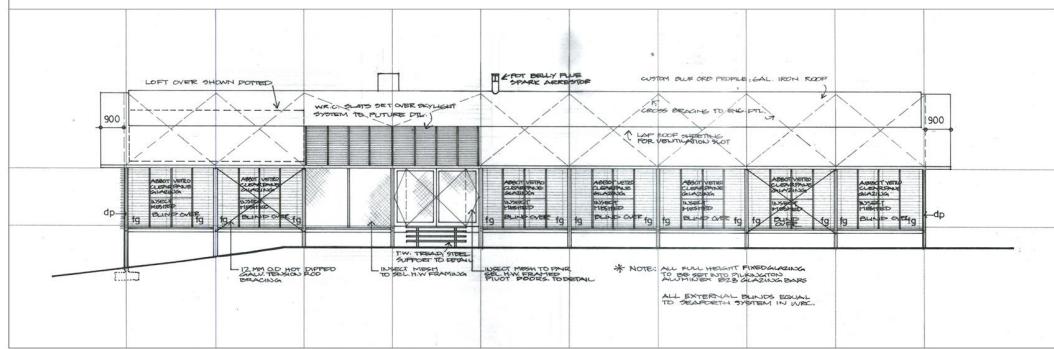
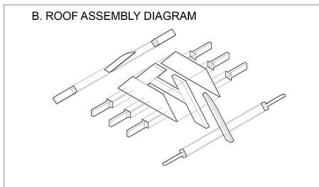
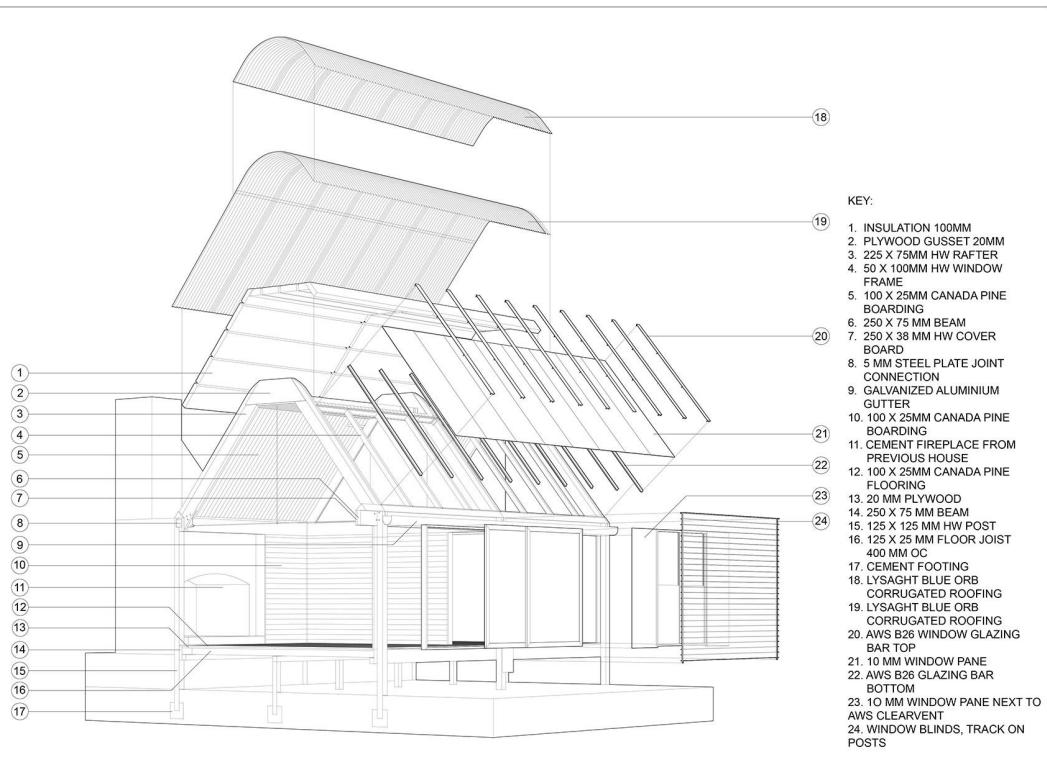
1981 - 1982

DETAIL TYPE: BUILDING ASSEM.
DETAILED ARCHITECTURE

SPRING 2015

INSTRUCTOR: DAMIANI

DRAWINGS BY: SAMUEL FRIEDLANDER



FREDERICKS HOUSE

GLENN MURCUTT

JAMBEROO

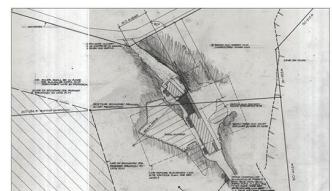
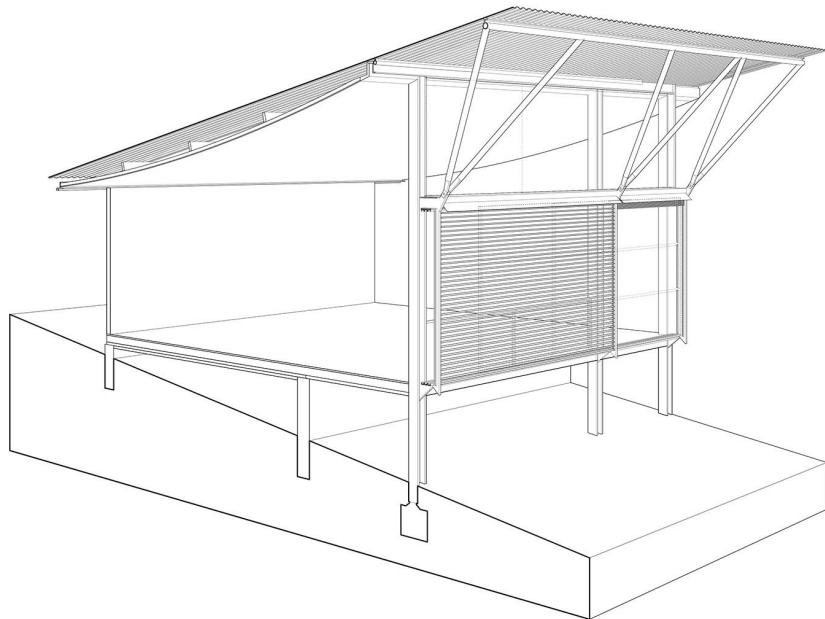
1981 - 1982

DETAIL TYPE: BUILDING ASSEM.
DETAILING ARCHITECTURE

SPRING 2015

INSTRUCTOR: DAMIANI

DRAWINGS BY: SAMUEL FRIEDLANDER



SIMPSON LEE HOUSE

GLENN MARCUS MURCUTT

BLUE MOUNTAINS, AU

1988-1993

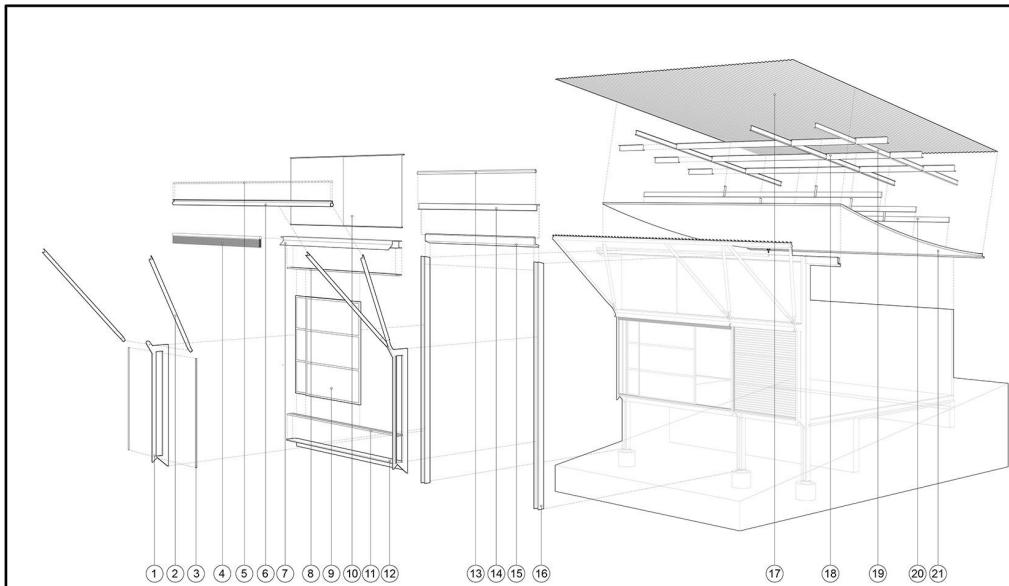
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DETAILING ARCHITECTURE

SPRING 2015

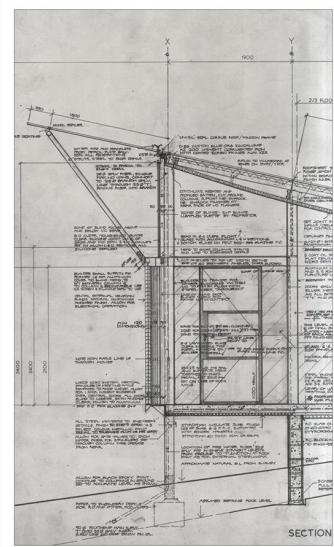
INSTRUCTOR: DAMIANI

DRAWING BY: KEVIN HYUN



KEY:

1 STEEL PLATE	8 SLIDING DOOR TRACK	15 BATTEN
2 STRUT	9 LIDCO 1030 SLIDING DOORS	16 W COLUMN
3 VENETIAN BLIND TRACK	10 CLEAR TOUGHENED GLASS WINDOW	17 CORRUGATED METAL ROOF
4 EXTERNAL VENETIAN BLIND	11 SLIDING DOOR TRACK	18 Z PURLIN WITH CLEAT CONNECTION
5 UNISIL SEAL	12 STEEL ANGLE	19 W BEAM
6 ANGLE SEAT	13 WATER AND SPRINKLER PIPE	20 DIMENSIONAL LUMBER
7 STEEL FLASHING	14 STEEL Z FASCIA	21 GYPROC FINISH



SIMPSON LEE HOUSE

GLENN MARCUS MURCUTT

BLUE MOUNTAINS, AU

1988-1993

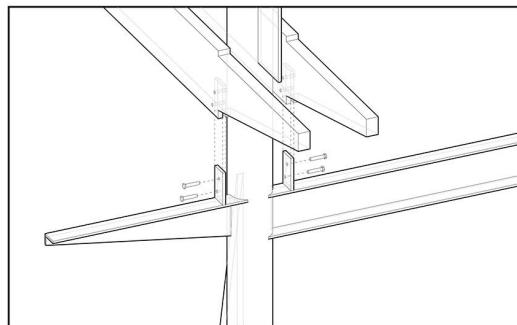
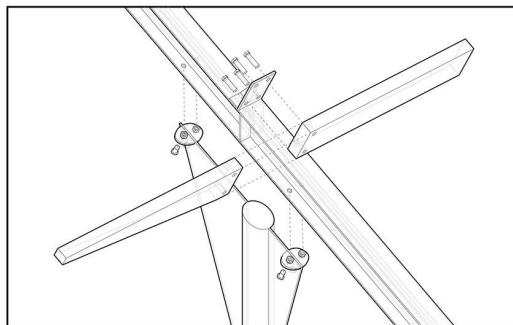
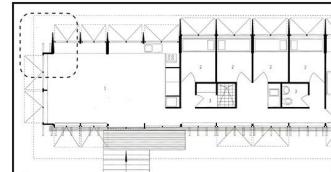
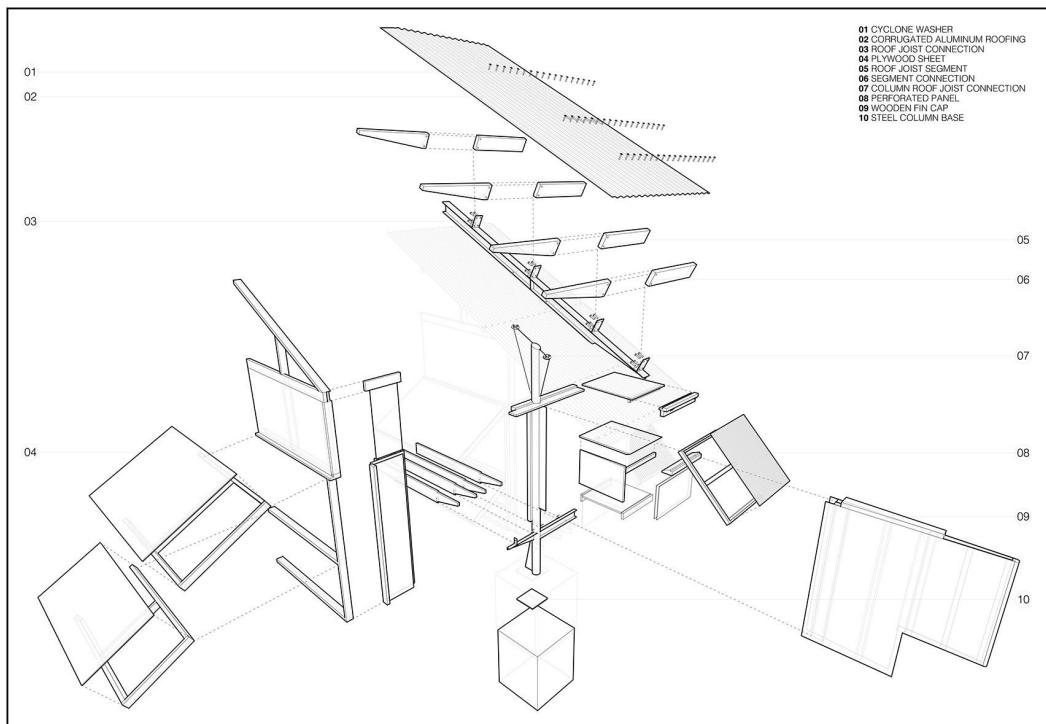
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DETAILING ARCHITECTURE

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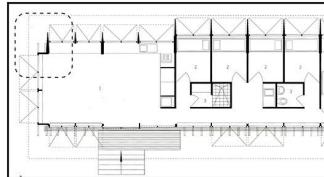
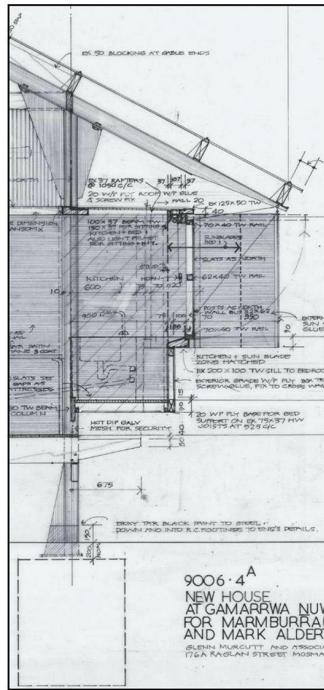
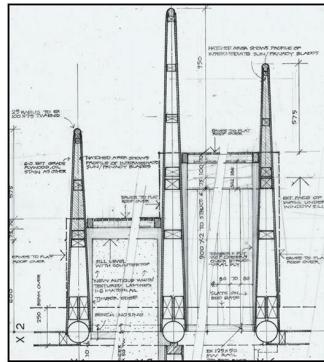
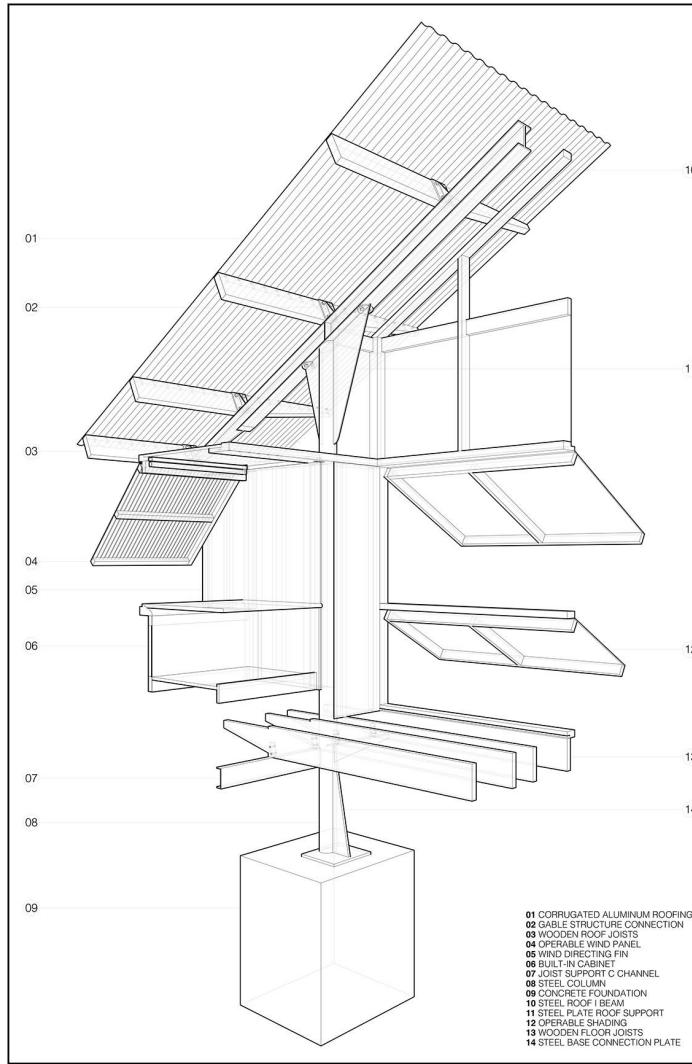


MARIKA-ALDERTON HOUSE GLENN MURCUTT

EASTERN AMHEM LAND, AU
 1991 - 1993

CORNER DETAIL

DETAILING ARCHITECTURE
 SPRING 2015
 INSTRUCTOR: DAMIANI
 DRAWING BY: AMIR-BEHAN JAHANBIN

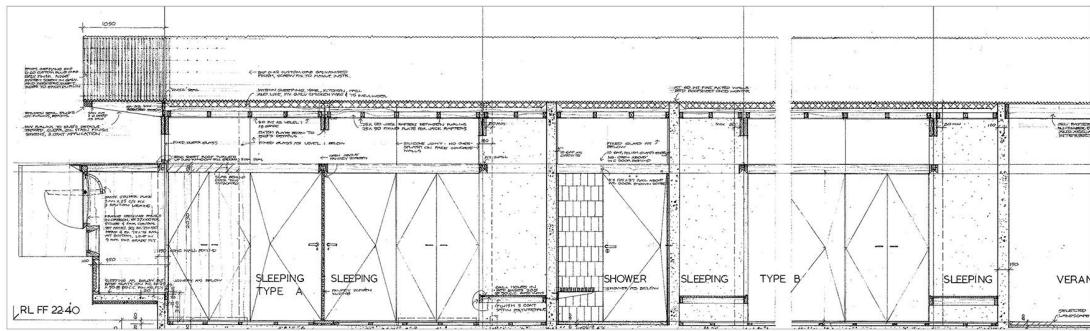
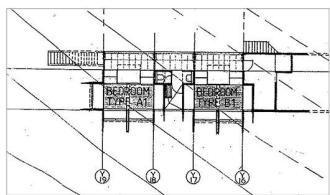
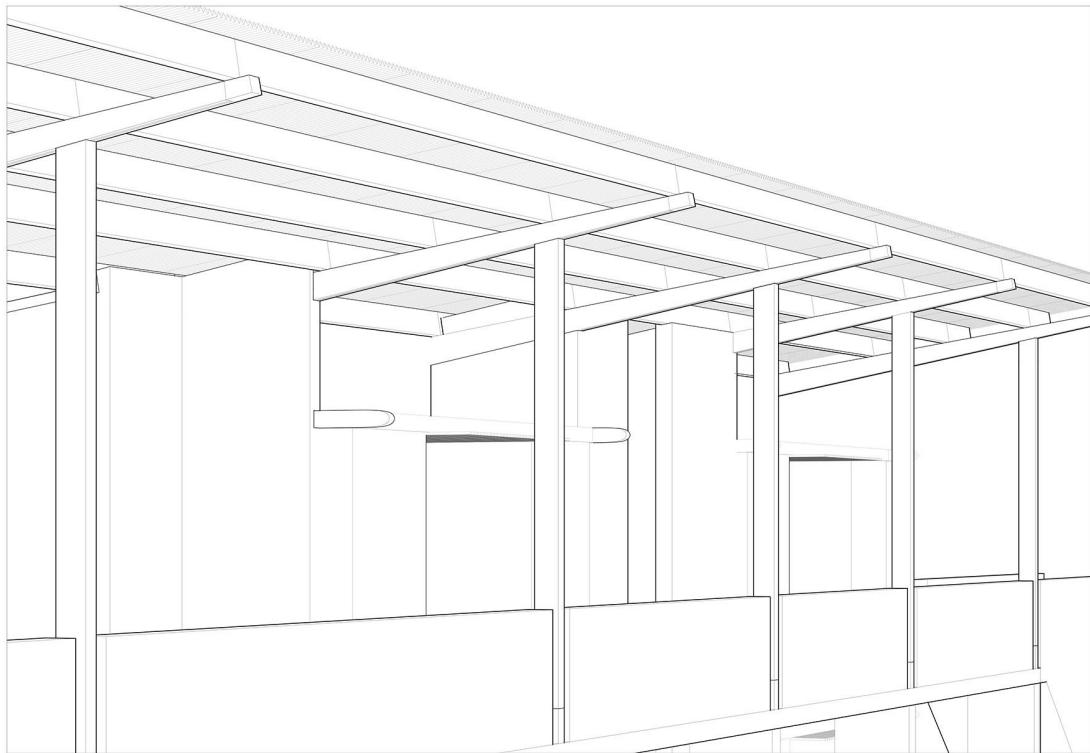


MARIKA-ALDERTON HOUSE
GLENN MURCUTT

EASTERN AMHEM LAND, AU
1991 - 1993

CORNER DETAIL

DETAILING ARCHITECTURE
SPRING 2015
INSTRUCTOR: DAMIANI
DRAWING BY: AMIR-BEHAN JAHANBIN



Arthur & Yvonne Boyd Education Centre

Glenn Murcutt

Riversdale, West Cambewarra, New South Wales, AU

1996 - 1999

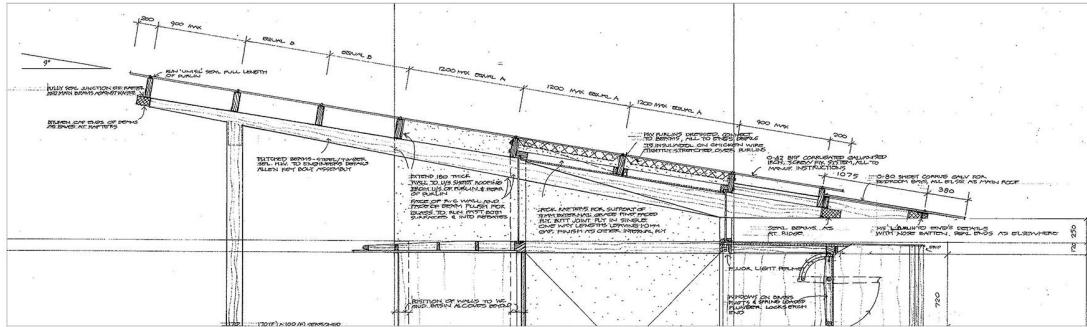
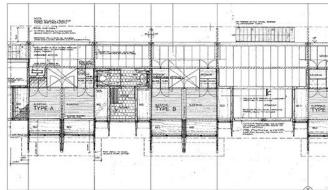
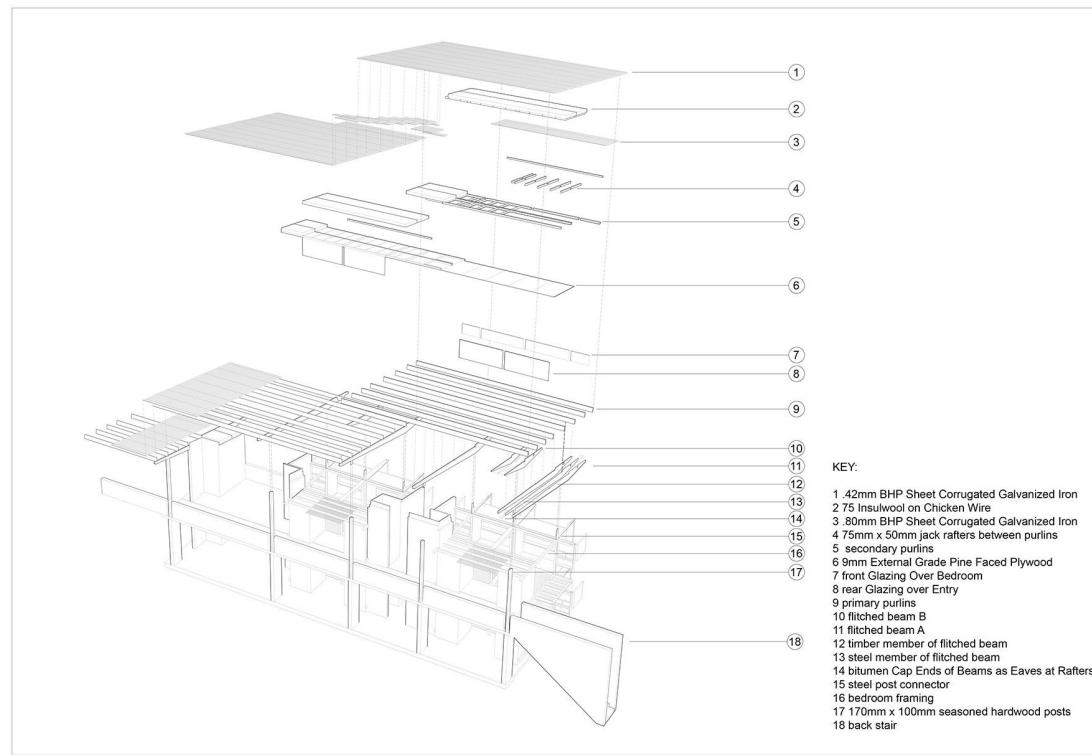
DETAIL TYPE: Roof Assembly

DETAILING ARCHITECTURE

SPRING 2015

INSTRUCTOR: DAMIANI

DRAWING BY: Richard May



Arthur & Yvonne Boyd Education Centre

Glenn Murcutt

Riversdale, West Cambewarra, New South Wales, AU

1996 - 1999

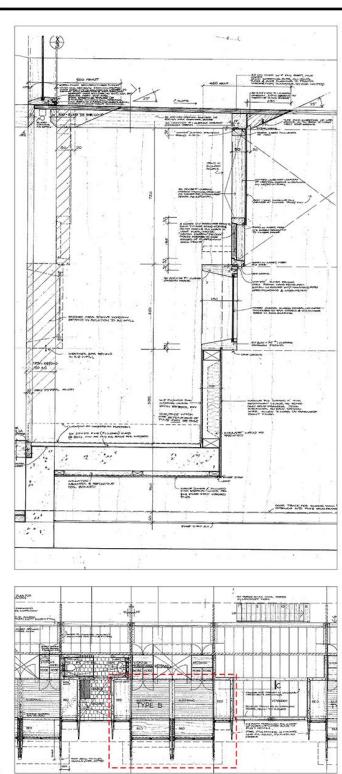
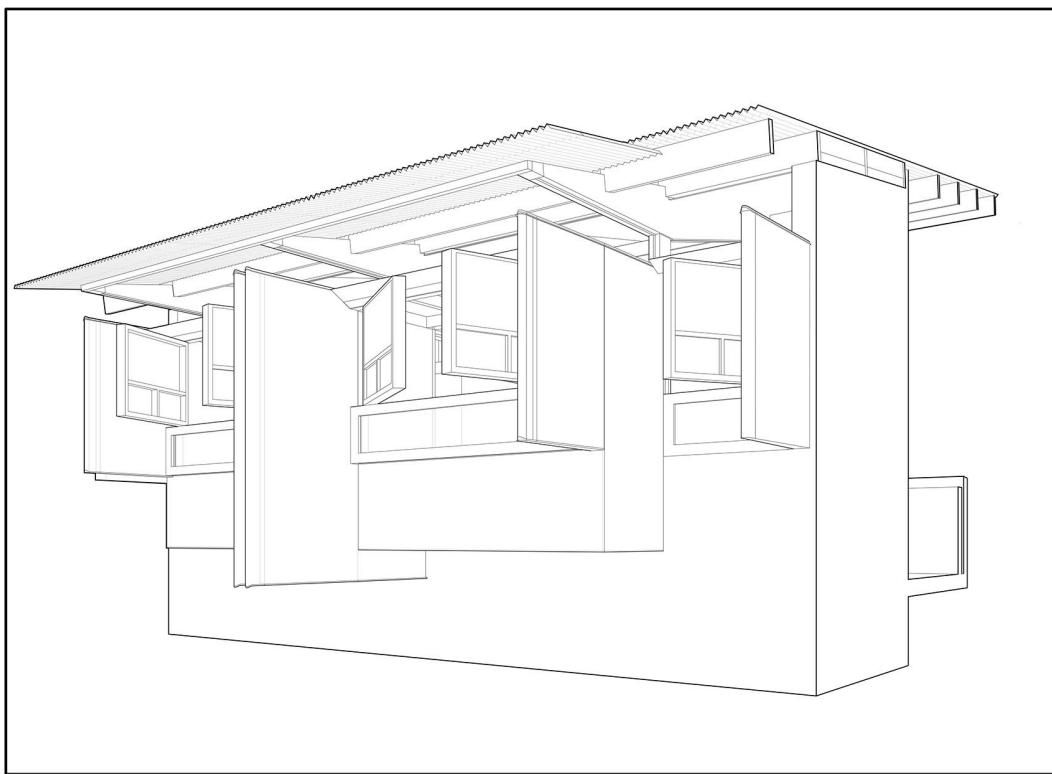
DETAIL TYPE: Roof Assembly

DETAILING ARCHITECTURE

SPRING 2015

INSTRUCTOR: DAMIANI

DRAWING BY: Richard May



ARTHUR AND YVONNE BOYD
EDUCATION CENTER
GLENN MURCUTT

RIVERSDALE, NEW SOUTH WALES

YEAR: 1999

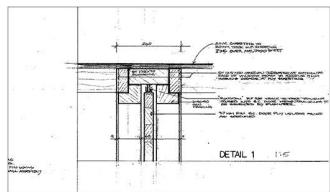
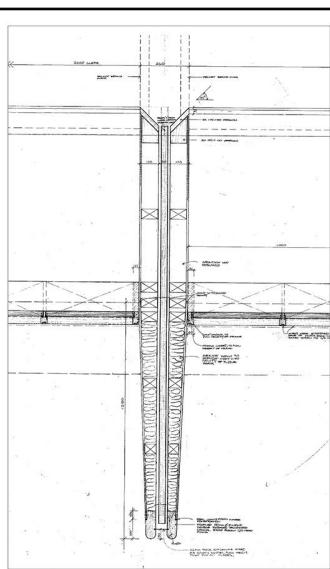
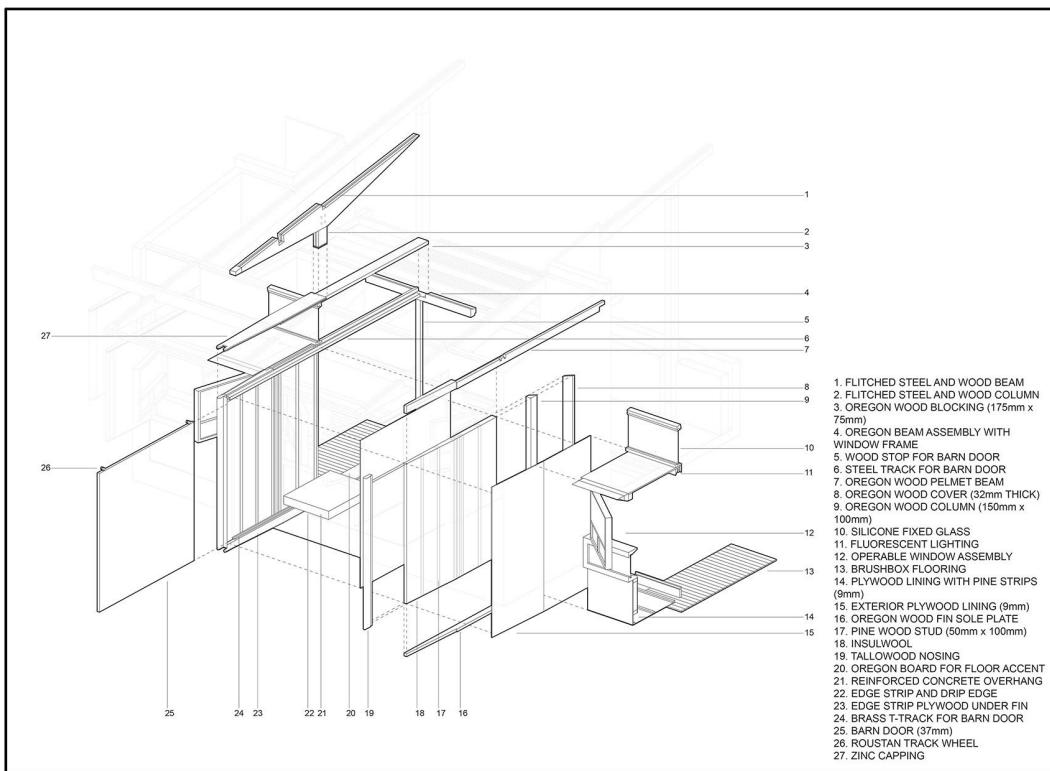
DETAIL TYPE: FIN ASSEMBLY

DETAILING ARCHITECTURE

SPRING 2015

INSTRUCTOR: DAMIANI

DRAWING BY: HARRIS MAZUR



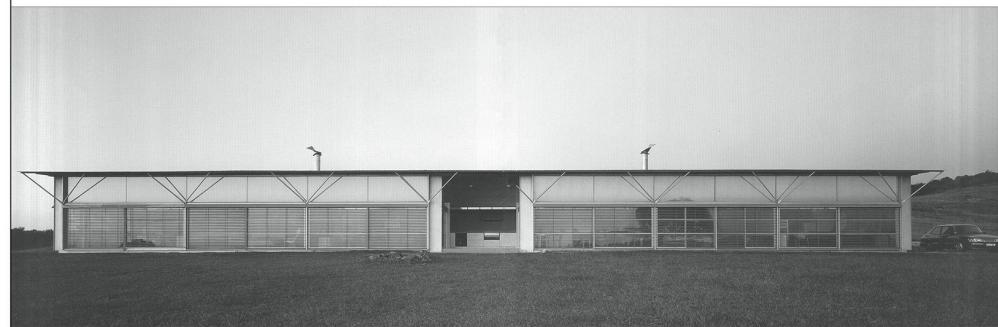
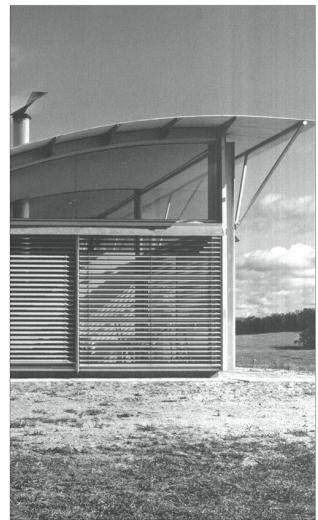
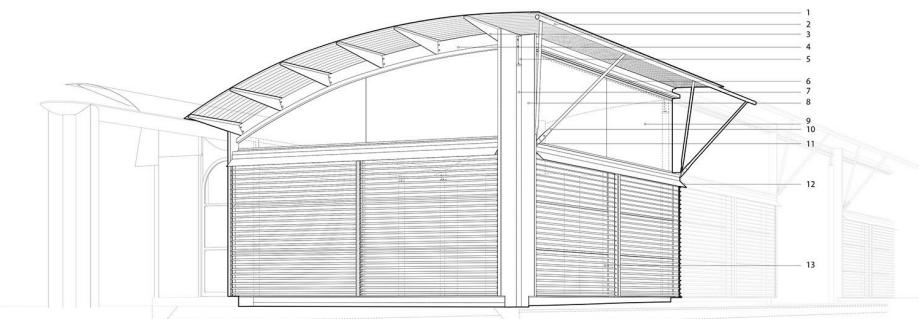
ARTHUR AND YVONNE BOYD
 EDUCATION CENTER
 GLENN MURCUTT
 RIVERSDALE, NEW SOUTH WALES
 YEAR: 1999

DETAIL TYPE: FIN ASSEMBLY
 DETAILING ARCHITECTURE
 SPRING 2015
 INSTRUCTOR: DAMIANI
 DRAWING BY: HARRIS MAZUR

Perspective - Assembled

N.T.S.

- 1 Zincalume roof
- 2 galv pipe purlin
- 3 custom steel angle
- 4 aluminum cover
- 5 custom steel corner assembly
- 6 galv pipe purlin
- 7 galv pipe purlin
- 8 custom steel plate
- 9 safety glass
- 10 galv purlin
- 11 steel plate (8 mm)
- 12 aluminum cover
- 13 aluminum venetian blind assembly



MAGNEY HOUSE
GLENN MURCUTT

NEW SOUTH WALES, AU
1982 - 1984

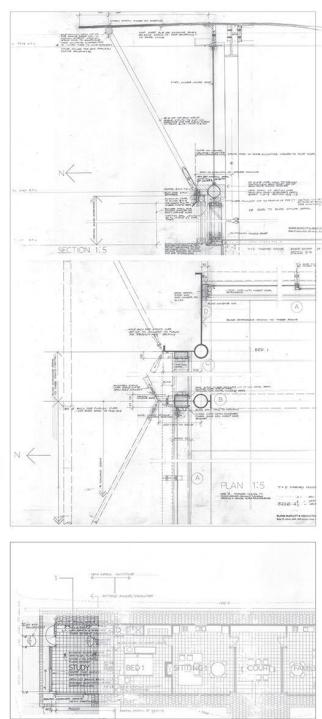
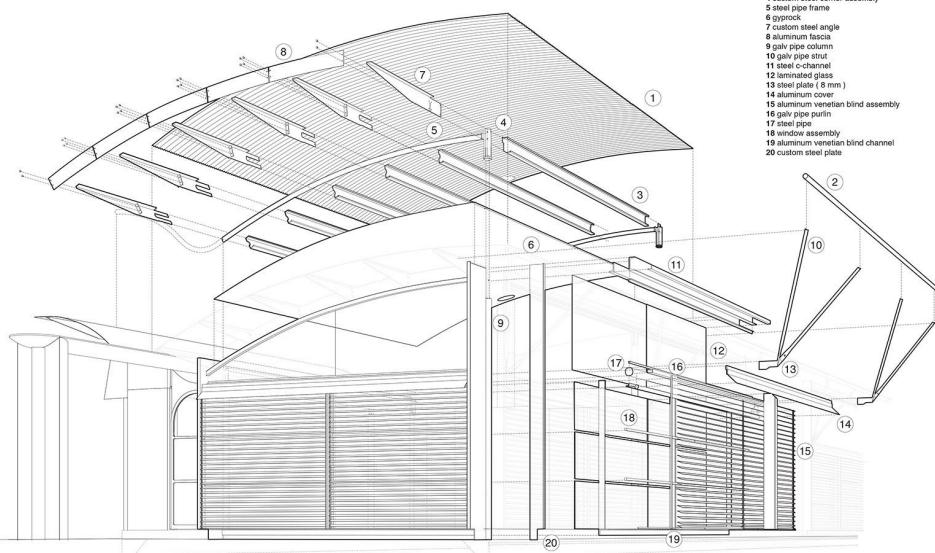
DETAIL TYPE: CORNER DETAIL

DETAILING ARCHITECTURE
SPRING 2015

INSTRUCTOR: DAMIANI
DRAWING BY: JOEL McCULLOUGH

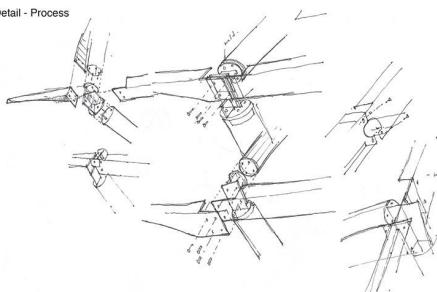
Exploded Perspective

N.T.S.



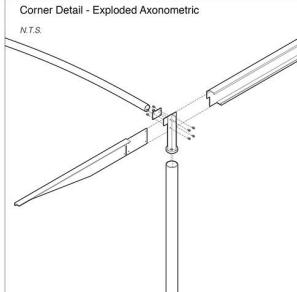
Corner Detail - Process

N.T.S.



Corner Detail - Exploded Axonometric

N.T.S.



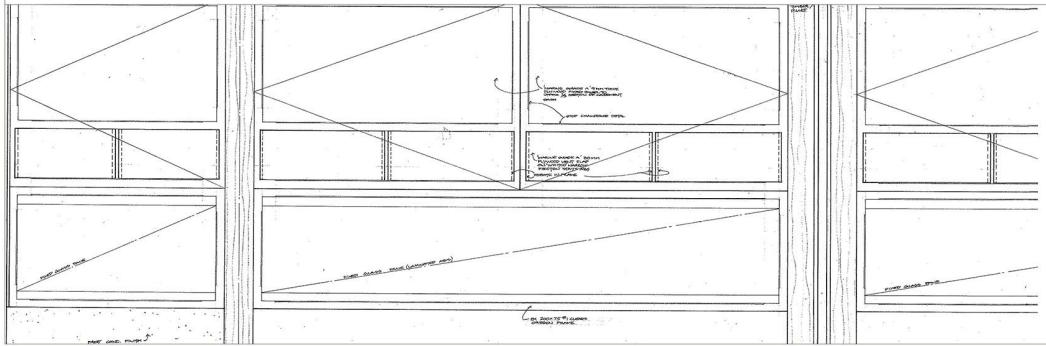
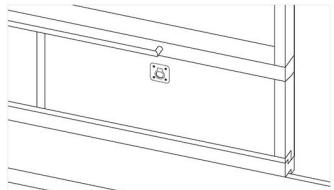
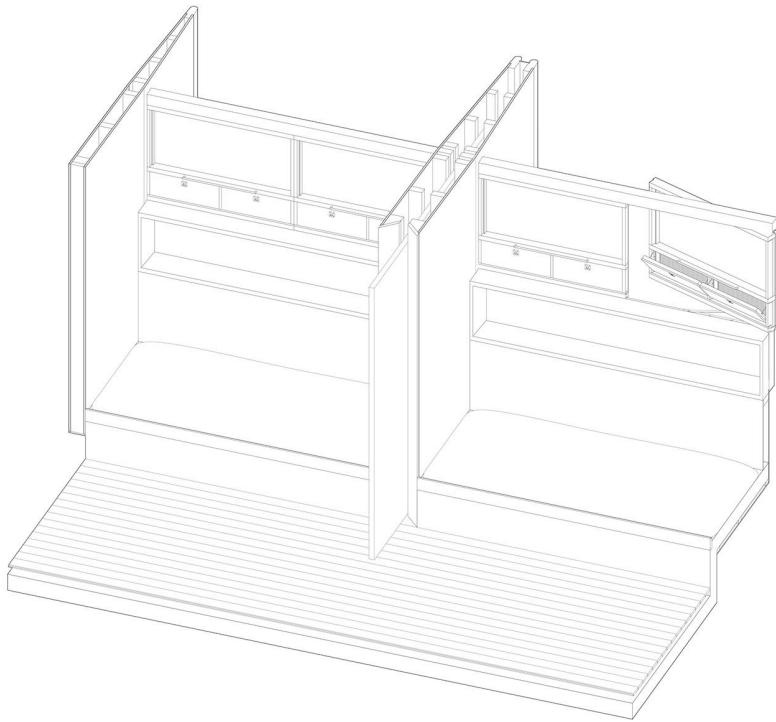
MAGNEY HOUSE
GLENN MURCUTT

NEW SOUTH WALES, AU
1982 - 1984

DETAIL TYPE: CORNER DETAIL

DETAILING ARCHITECTURE
SPRING 2015

INSTRUCTOR: DAMIANI
DRAWING BY: JOEL McCULLOUGH



BOYD EDUCATION CENTRE

GLENN MURCUTT

RIVERSDALE, NSW

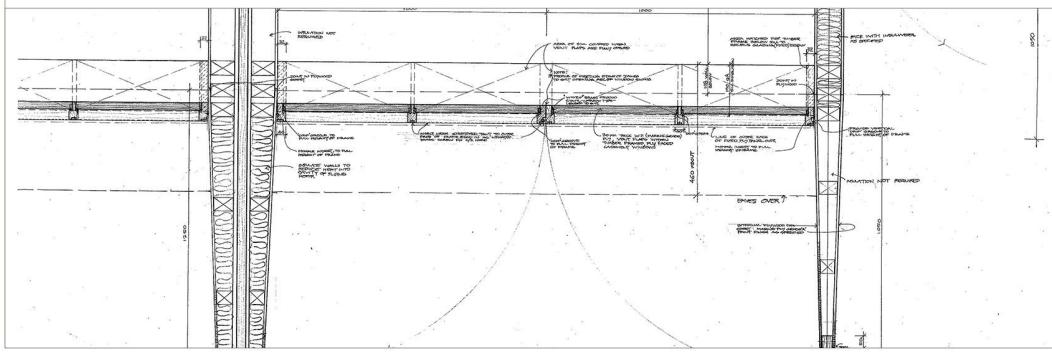
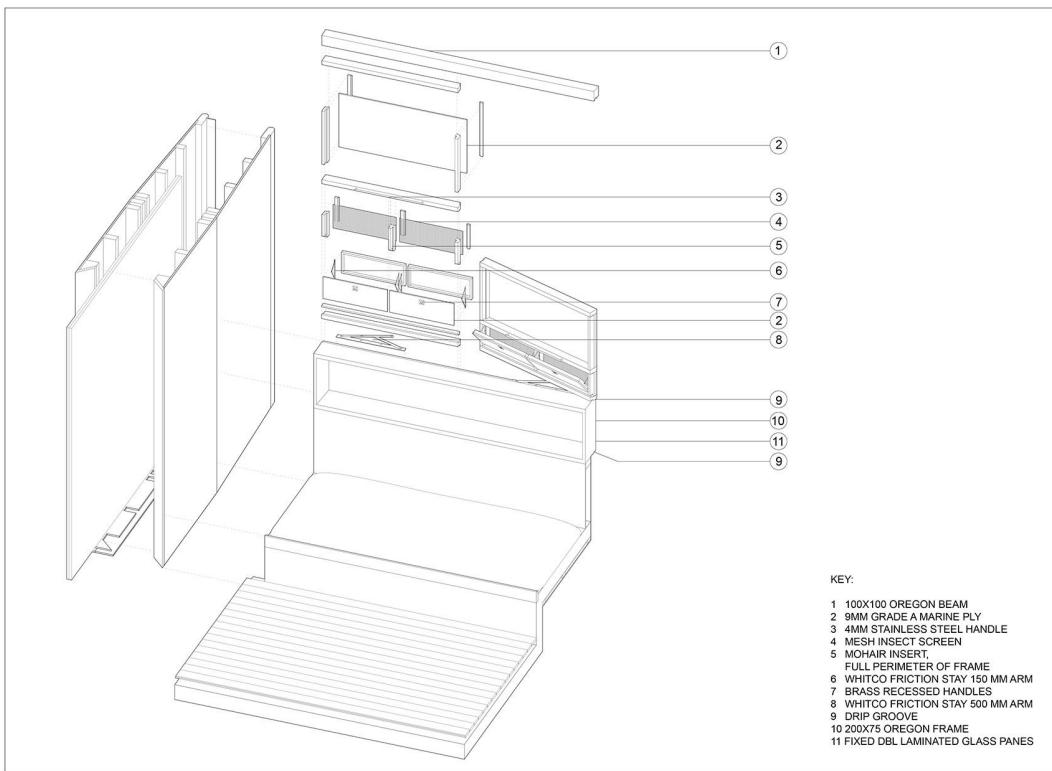
1996-1999

DETAIL TYPE: OPERABLE WINDOW
DETAILING ARCHITECTURE

SPRING 2015

INSTRUCTOR: DAMIANI

DRAWING BY: THOMAS STERLING



BOYD EDUCATION CENTRE

GLENN MURCUTT

RIVERSDALE, NSW

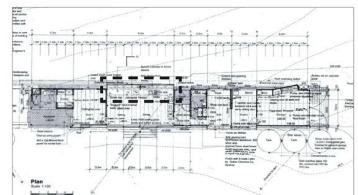
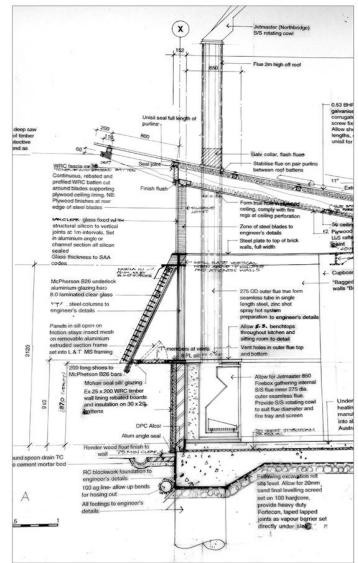
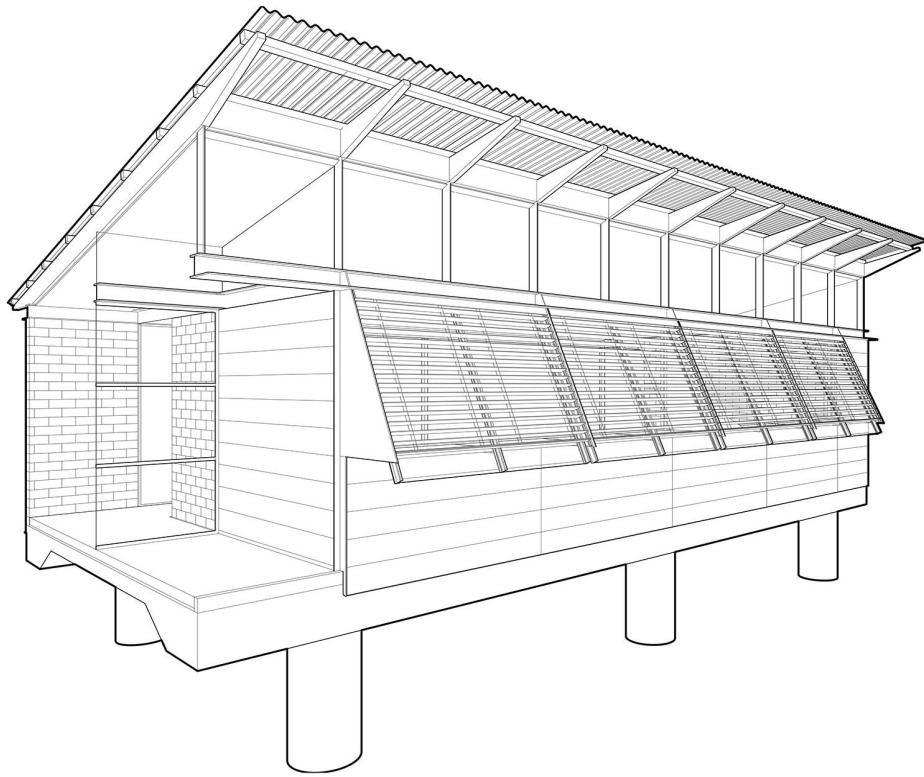
1996-1999

DETAIL TYPE: OPERABLE WINDOW
DETAILED ARCHITECTURE

SPRING 2015

INSTRUCTOR: DAMIANI

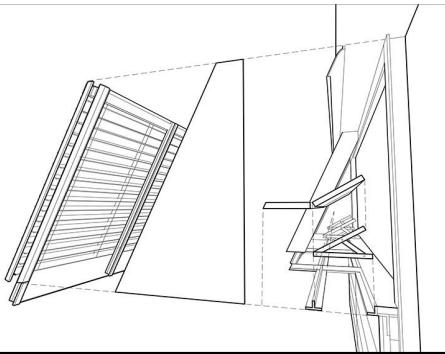
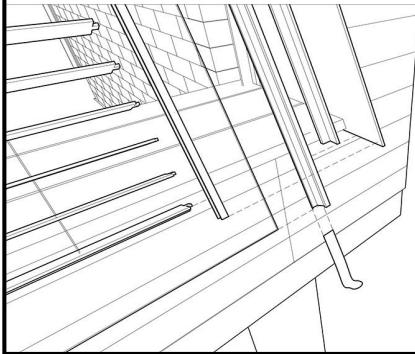
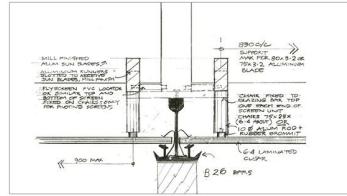
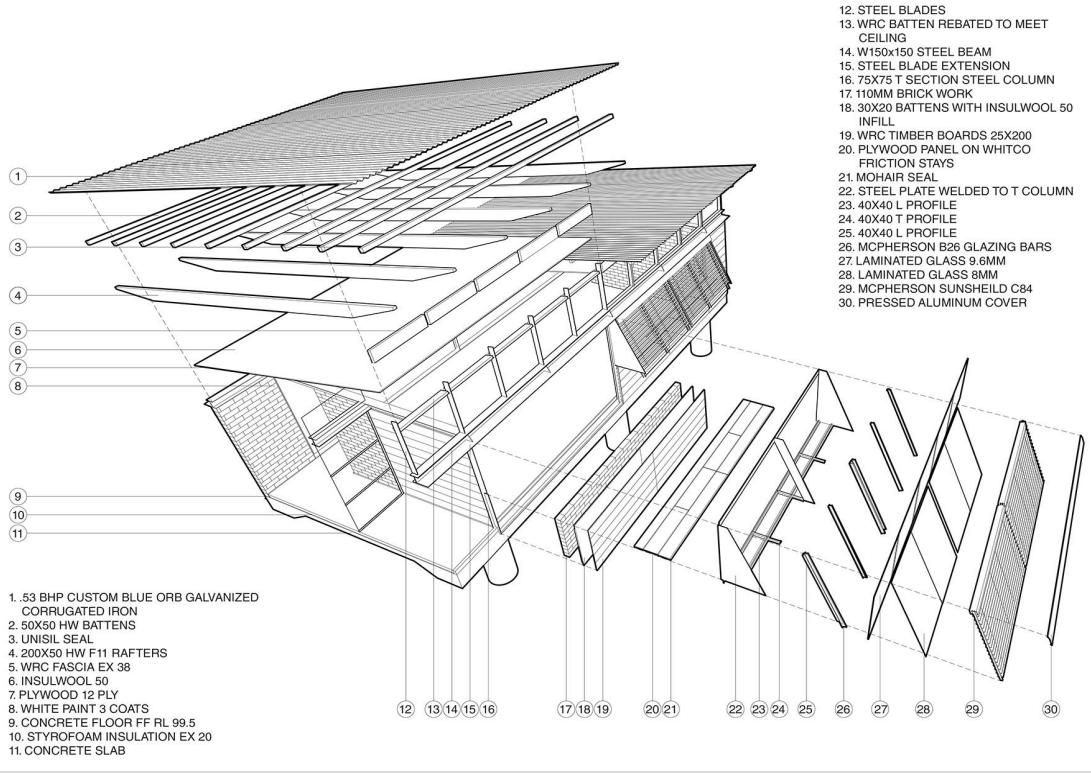
DRAWING BY: THOMAS STERLING



FLETCHER PAGE HOUSE
GLENN MURCUTT
KANGAROO VALLEY, NSW, AU
1997 - 2000
WINDOW WALL ASSEMBLY

DETAILING ARCHITECTURE
SPRING 2015
INSTRUCTOR : G. DAMIANI
DRAWING BY : DAN SZTANGA





FLETCHER PAGE HOUSE
GLENN MURCUTT
KANGAROO VALLEY, NSW, AU
1997 - 2000
WINDOW WALL ASSEMBLY
 DETAILING ARCHITECTURE
 SPRING 2015
 INSTRUCTOR : G. DAMIANI
 DRAWING BY : DAN SZTANGA

Gerard Damiani, Associate Professor
Carnegie Mellon University, School of Architecture
2015

