

SPEC. REFERENCES:

Ref: ALT-01 - Removal of existing roof systems, inspection and remediation of existing timber deck.

Ref: ALT-02 - Removal, repair and reinstatements of roof timber perimeter profiles.

Ref: ALT-03 - Removal, repair and reinstatements of timber balcony assembly.

Ref: RFS-01 - Reinforced bitumen membrane roof system

Ref: RFS-02 - New Biodiverse Green Roof System.

Ref: RFS-03 - New horizontal lead flashing, coping and formed outlets supported.

KEY

**RAs:** Rafter A - supported by upright posts - south pitch

**RBs:** Rafter B - south pitch

Ref: ALT-03  
Treated softwood external decking (19x140mm)

Existing Glazing

Existing access to balcony

RAs1

RAs2

RAs3

RAs4

RAs5

RAs6

Ref: ALT-03  
Perimeter board scribed to suit elevation alignment

Ref: ALT-03  
Treated timber vertical balustrade upright 24x50 mm @ 50mm spacings

Elev.  
6003

Ref: ALT-03  
Treated timber balustrade top rail 50x150 mm

Ref: ALT-03  
Treated timber balustrade bottom rail 50x150 mm

Ref: ALT-03  
Treated timber upright post (100x50 mm) - fixings to be fully waterproofed

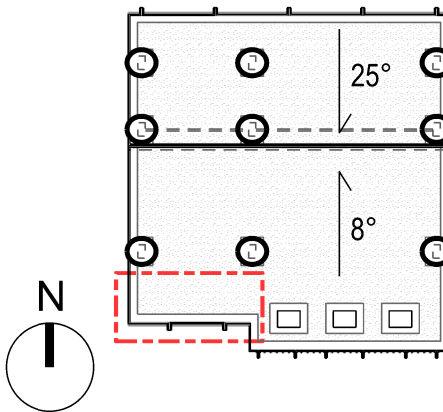
Sec.  
6002

Ref: ALT-03  
Treated timber vertical balustrade upright 24x50 mm @ 50mm spacings

See LAB-687-DR-6016, 6017, 6051 for pattern details

General Notes

- All dimensions are to be re-measured on site
- All dimensions are shown in millimetres unless otherwise noted
- Do not scale



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P1	31.05.23	Specification clauses added	MA	AB	AB
P0	22.05.23	Issue for tender	MA	AB	AB
Rev	Date	Reason For Issue	Dr	Chk	App

Project

Horniman Museum - The CUE

Title

Proposed cut plan - Balcony

Project Number

687

Date

22/05/23

Checked By

AB

Revision

P1

Scale @ ISO A3

1:30

Approved By

AB

Drawing Number

LAB-687-DR-6001

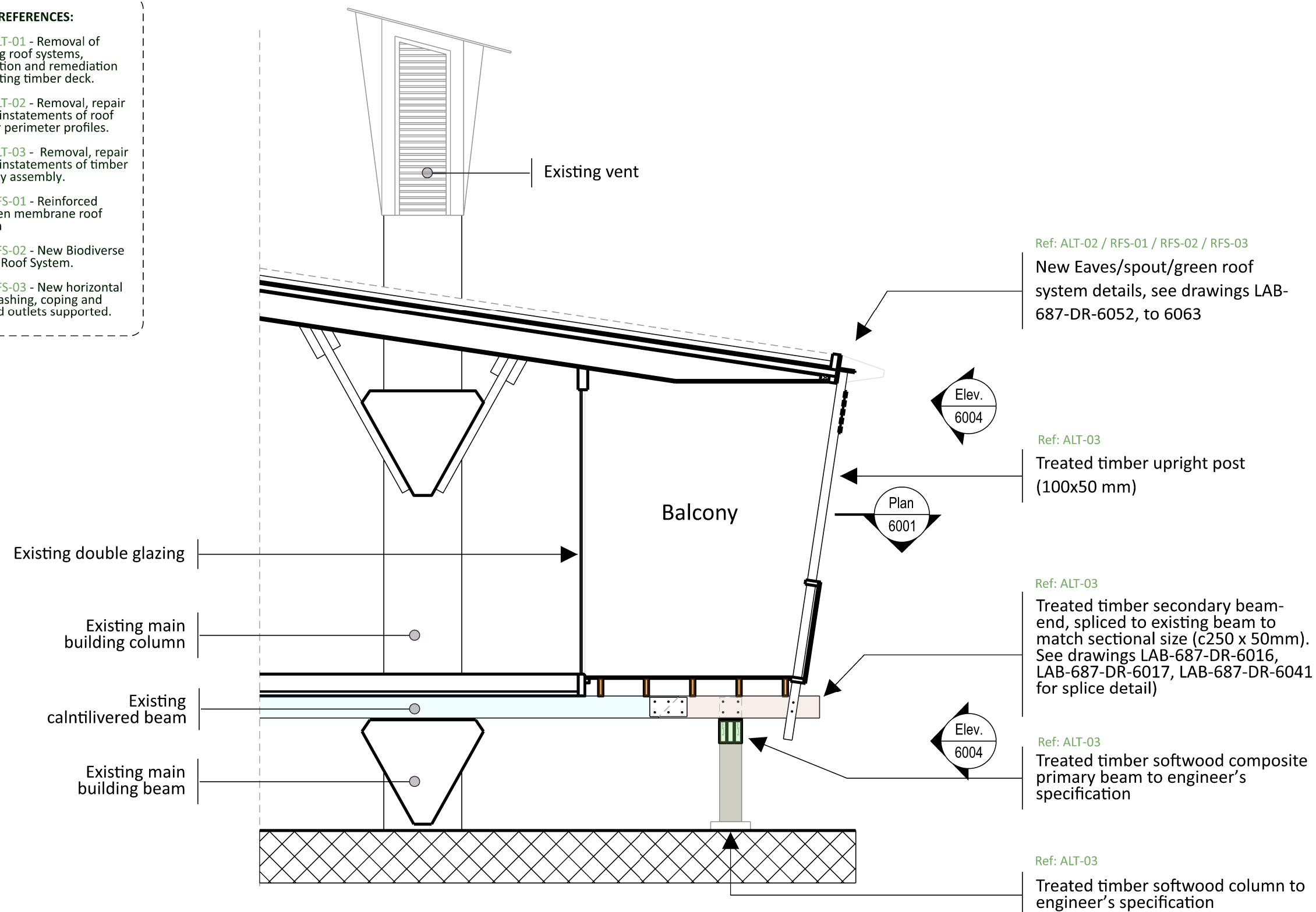
Ref: ALT-01 - Removal of existing roof systems, inspection and remediation of existing timber deck.






Ref: ALT-03 - Removal, repair and reinstatements of timber balcony assembly.

Ref: RFS-01 - Reinforced bitumen membrane roof system

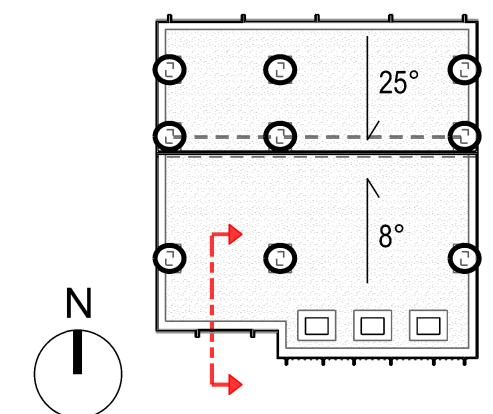
Ref: RFS-02 - New Biodiverse Green Roof System.

Ref: RFS-03 - New horizontal lead flashing, coping and formed outlets supported.



-  Primary beam
-  Secondary beam
-  Existing, retained beam
-  Joist
-  Column

- All dimensions are to be re-measured on site
- All dimensions are shown in millimetres unless otherwise noted
- Do not scale



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Rev	Date	Reason For Issue	Dr	Chk	App

# Horniman Museum - The CUE

## Proposed Section - Balcony

687

P1

LAB-687-DR-6002

22/05/23

1:50

AB

AB

## 02 WEST ELEVATION BALCONY'S HANDRAIL 1:20

## 01 WEST ELEVATION BALCONY 1:50

Ref: ALT-03  
Treated timber balustrade  
top rail 50x150 mm

Ref: ALT-03  
Treated timber vertical  
balustrade upright 24x50  
mm @50mm spacings

Ref: ALT-03  
Treated timber infill panel

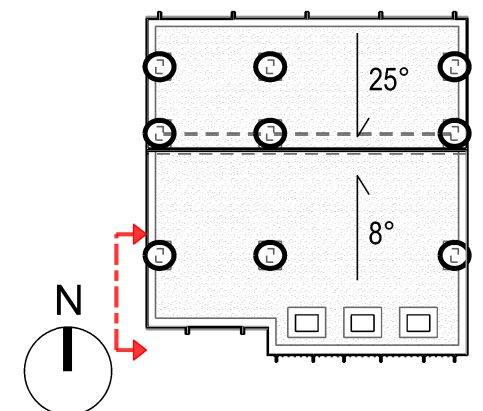
Ref: ALT-03  
Treated timber  
balustrade bottom  
rail 50x150 mm

Ref: ALT-03  
Treated timber upright  
post (100x50 mm)

- Primary beam
- Secondary beam
- Existing, retained beam
- Joist
- Column

### General Notes

- All dimensions are to be re-measured on site
- All dimensions are shown in millimetres unless otherwise noted
- Do not scale



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Rev	Date	Reason For Issue	Dr	Chk	App
P1	31.05.23	Specification clauses added	MA	AB	AB
P0	22.05.23	Issue for tender	MA	AB	AB

Project

Horniman Museum - The CUE

Title

Proposed west elevation  
Balcony

Project Number

687

Date

22/05/23

Checked By

AB

Revision

P1

Scale @ ISO A3

1:50

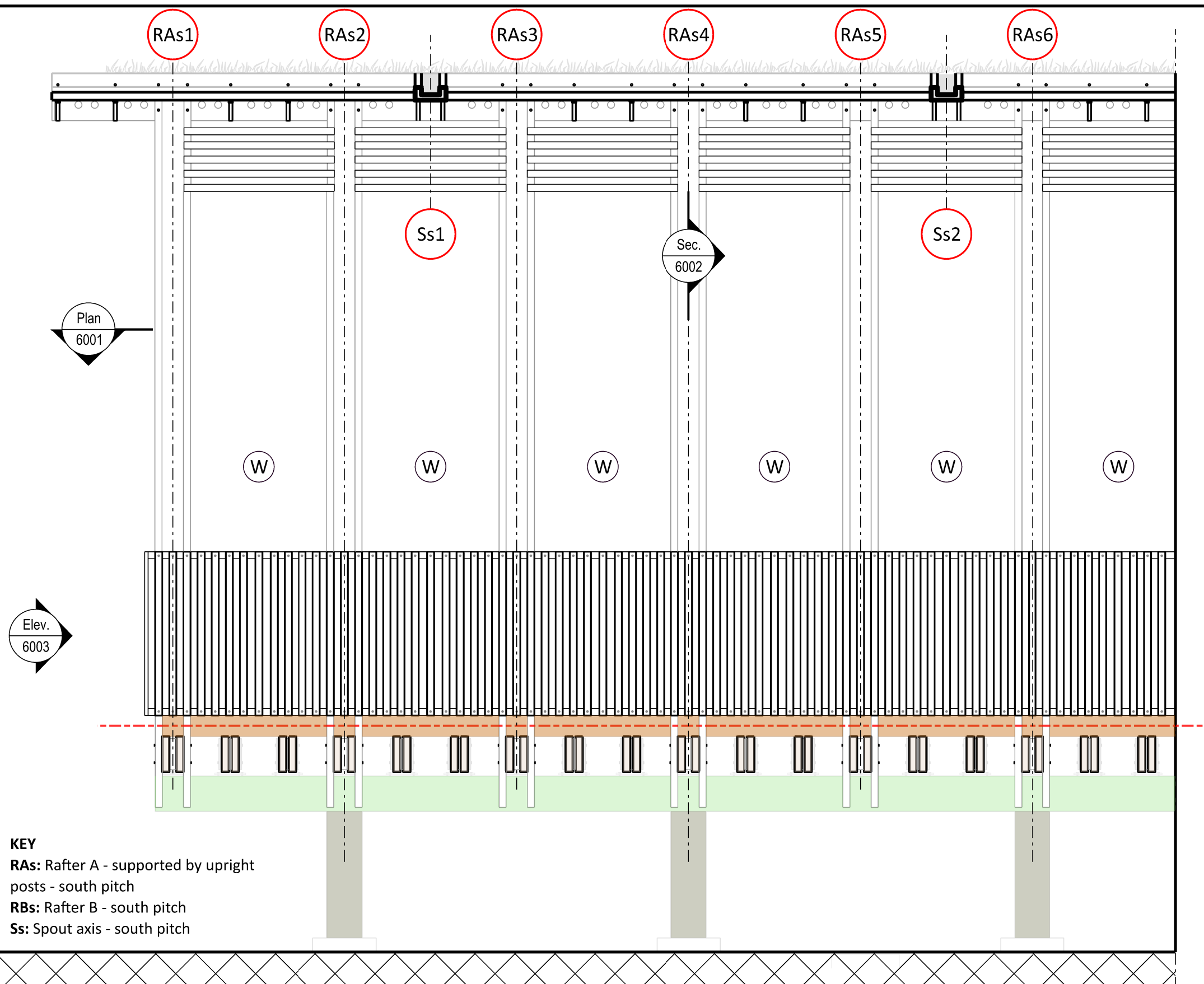
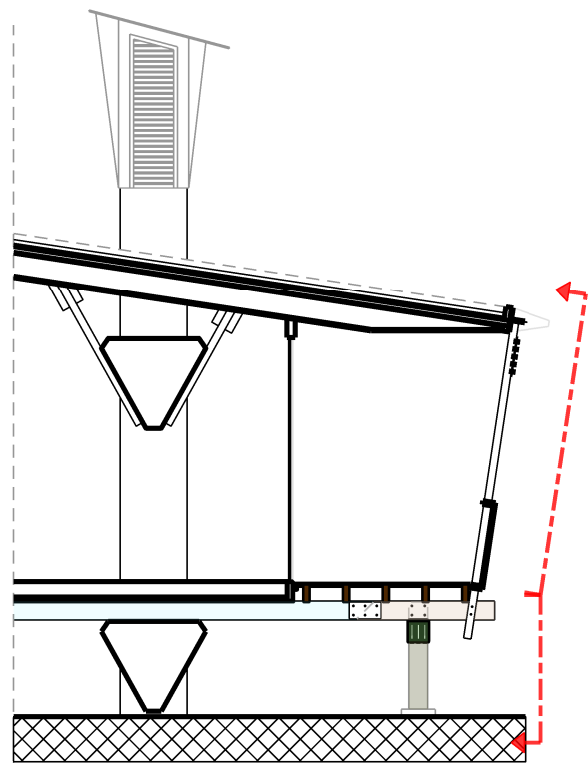
Approved By

AB

Drawing Number

LAB-687-DR-6003

- All dimensions are to be re-measured on site
- All dimensions are shown in millimetres unless otherwise noted
- Do not scale



**KEY**  
**RAs:** Rafter A - supported by upright posts - south pitch  
**RBs:** Rafter B - south pitch  
**Ss:** Spout axis - south pitch

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P1	31.05.23	Specification clauses added	MA	AB	AB
P0	22.05.23	Issue for tender	MA	AB	AB
Rev	Date	Reason For Issue	Dr	Chk	App

# Horniman Museum - The CUE

### Proposed south elevation

687

P1

LAB-687-DR-6004

16/05/23

1:30

AB

AB



General Notes

\* Heights of new joists are dependant on existing finished floor level in relation to existing secondary beams - not fully inspected  
- All dimensions are to be re-measured on site  
- All dimensions are shown in millimetres unless otherwise noted  
- Do not scale

SPEC. REFERENCES:

Ref: ALT-01 - Removal of existing roof systems, inspection and remediation of existing timber deck.

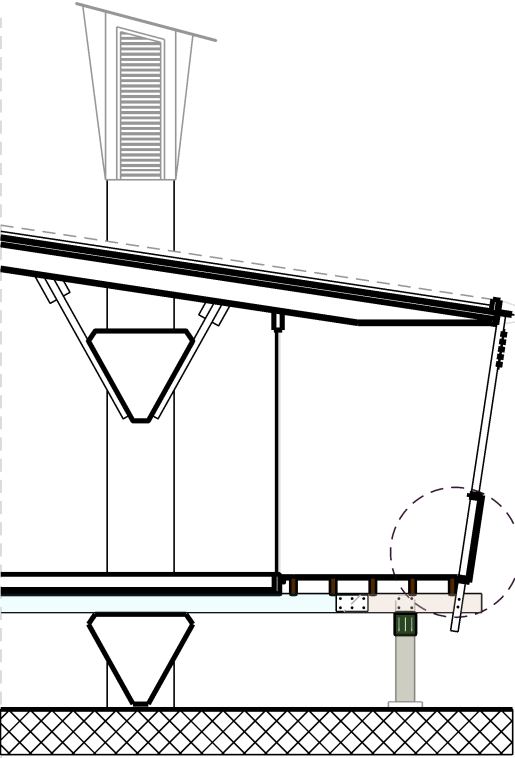
Ref: ALT-02 - Removal, repair and reinstatements of roof timber perimeter profiles.

Ref: ALT-03 - Removal, repair and reinstatements of timber balcony assembly.

Ref: RFS-01 - Reinforced bitumen membrane roof system

Ref: RFS-02 - New Biodiverse Green Roof System.

Ref: RFS-03 - New horizontal lead flashing, coping and formed outlets supported.



SCALE 1:5 @ A3  
SCALE 1:10 @ A4  
0 100mm 200mm 300mm

- Primary beam
- Joist
- Secondary beam
- Column
- Existing, retained beam

Ref: ALT-03  
Treated softwood external decking (19x140mm)

Ref: ALT-03  
Treated timber balustrade top rail 50x150 mm

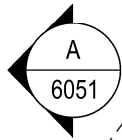
Ref: ALT-03  
Treated timber vertical balustrade upright 24 x 50 @50 mm spacings

Ref: ALT-03  
Treated timber balustrade bottom rail 50x150 mm

Ref: ALT-03  
Treated timber joist (205\*x50 mm)

Ref: ALT-03  
Treated timber upright post (100x50 mm)

Ref: ALT-03  
Treated timber secondary beam-end, spliced to existing beam to match sectional size (c250 x 50mm). See drawings LAB-687-DR-6016, LAB-687-DR-6017, LAB-687-DR-6041 and for splice detail



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P1	31.05.23	Specification clauses added	MA	AB	AB
P0	22.05.23	Issue for tender	MA	AB	AB
Rev	Date	Reason For Issue	Dr	Chk	App

Project

Horniman Museum - The CUE

Title

Floor detail section J  
Balcony - Bottom rail

Project Number

687

Date

18/05/23

Checked By

AB

Revision

P1

Scale @ ISO A3

1:5

Approved By

AB

Drawing Number

LAB-687-DR-6014

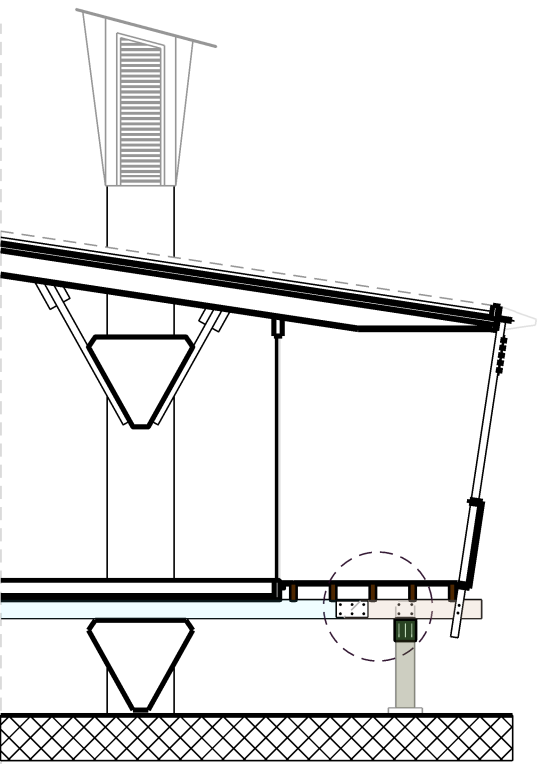
General Notes

\* Heights of new joists are dependant on existing finished floor level in relation to existing secondary beams - not fully inspected

- All dimensions are to be re-measured on site

- All dimensions are shown in millimetres unless otherwise noted

- Do not scale



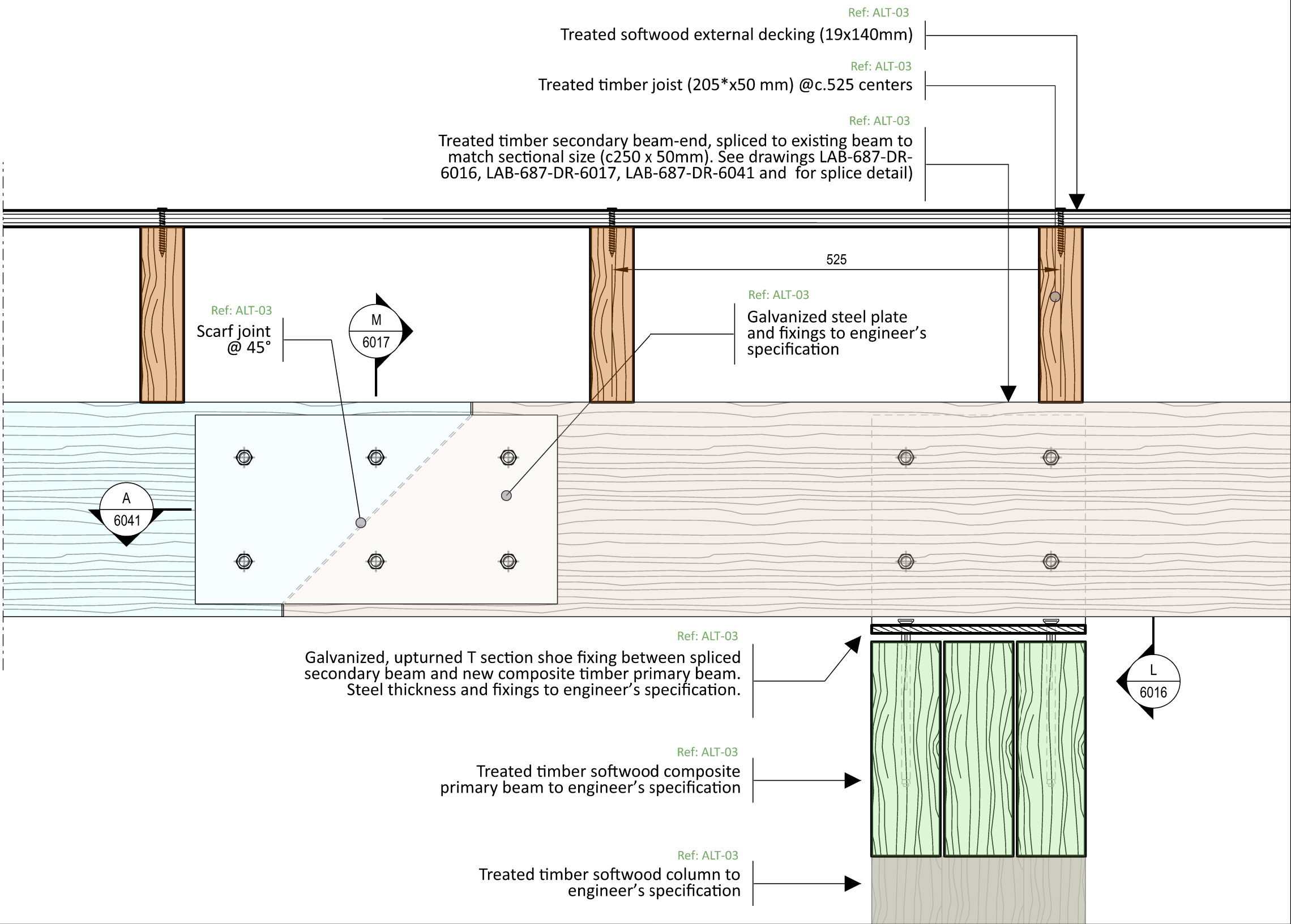
SCALE 1:5 @ A3  
SCALE 1:10 @ A4

0 100mm 200mm 300mm

- Primary beam

Joist
- Secondary beam

Column
- Existing, retained beam



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P1	31.05.23	Specification clauses added	MA	AB	AB
P0	22.05.23	Issue for tender	MA	AB	AB
Rev	Date	Reason For Issue	Dr	Chk	App

Project

Horniman Museum - The CUE

Title

Floor detail section K  
Balcony - Joist connection

Project Number

687

Date

18/05/23

Checked By

AB

Revision

P1

Scale @ ISO A3

1:5

Approved By

AB

Drawing Number

LAB-687-DR-6015

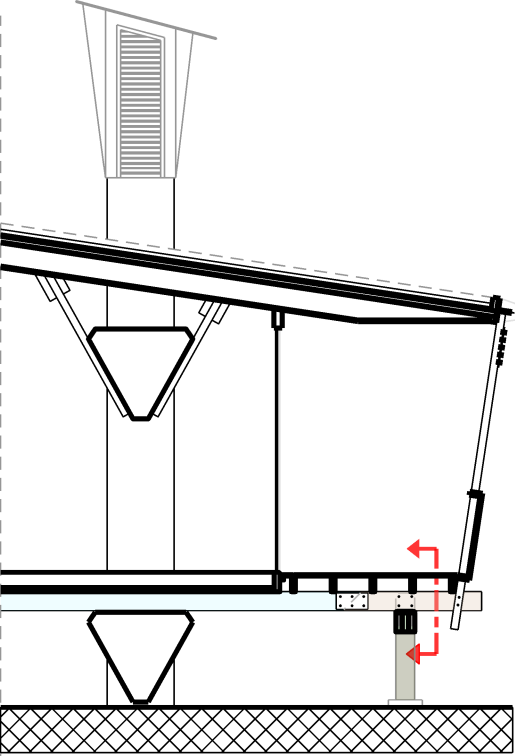
General Notes

\* Heights of new joists are dependant on existing finished floor level in relation to existing secondary beams - not fully inspected

- All dimensions are to be re-measured on site

- All dimensions are shown in millimetres unless otherwise noted

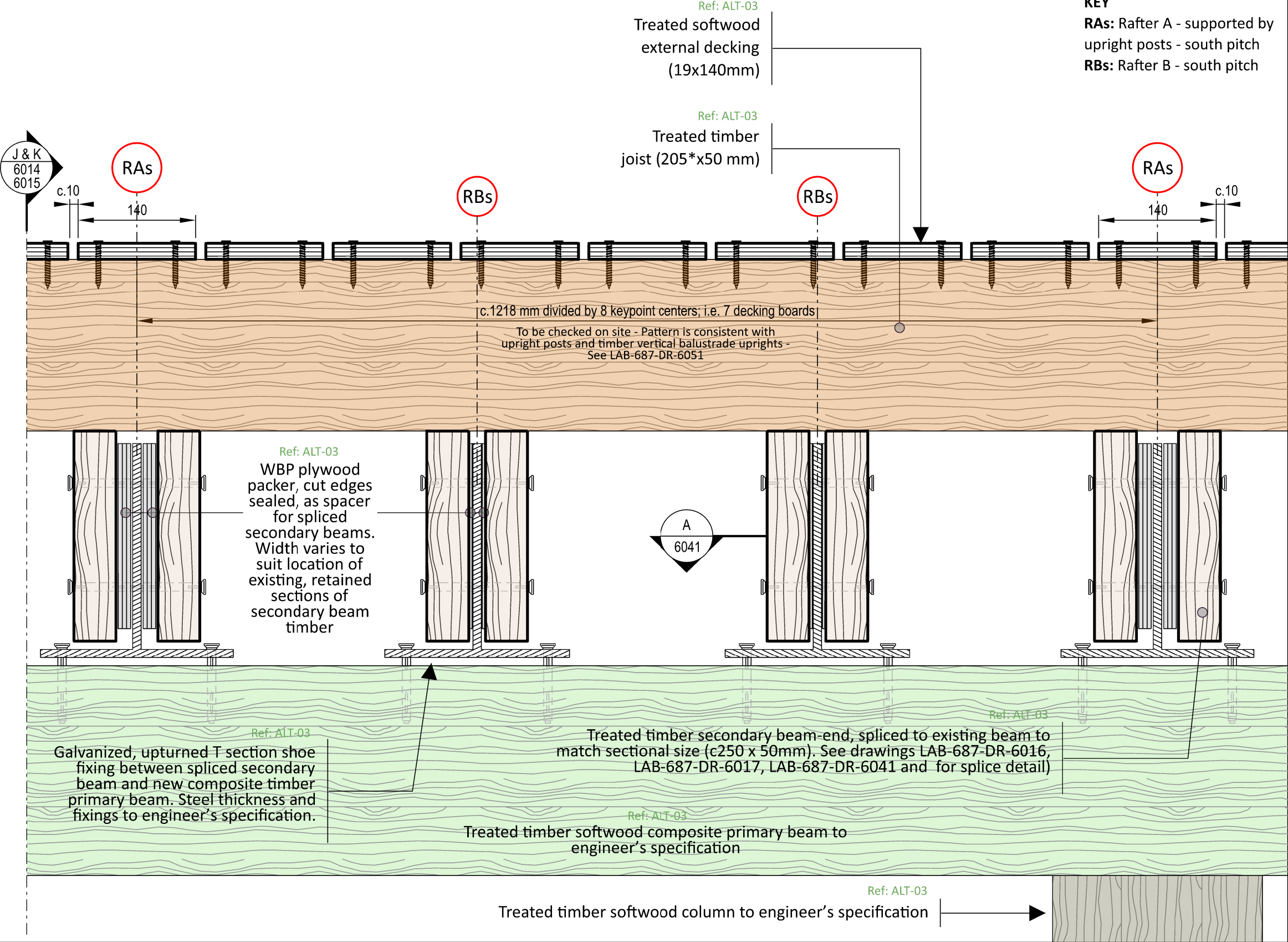
- Do not scale



SCALE 1:5 @ A3  
SCALE 1:10 @ A4

0 100mm 200mm 300mm

- Primary beam
- Joist
- Secondary beam
- Column
- Existing, retained beam



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P1	31.05.23	Specification clauses added	MA	AB	AB
P0	22.05.23	Issue for tender	MA	AB	AB
Rev	Date	Reason For Issue	Dr	Chk	App

Project

Horniman Museum - The CUE

Title

Floor detail section L  
Balcony - Joists

Project Number

687

Date

18/05/23

Checked By

AB

Revision

P1

Scale @ ISO A3

1:5

Approved By

AB

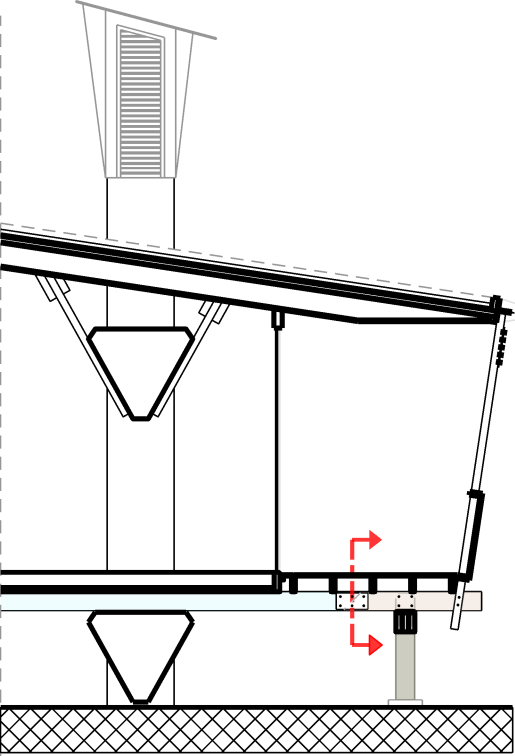
Drawing Number

LAB-687-DR-6016



General Notes

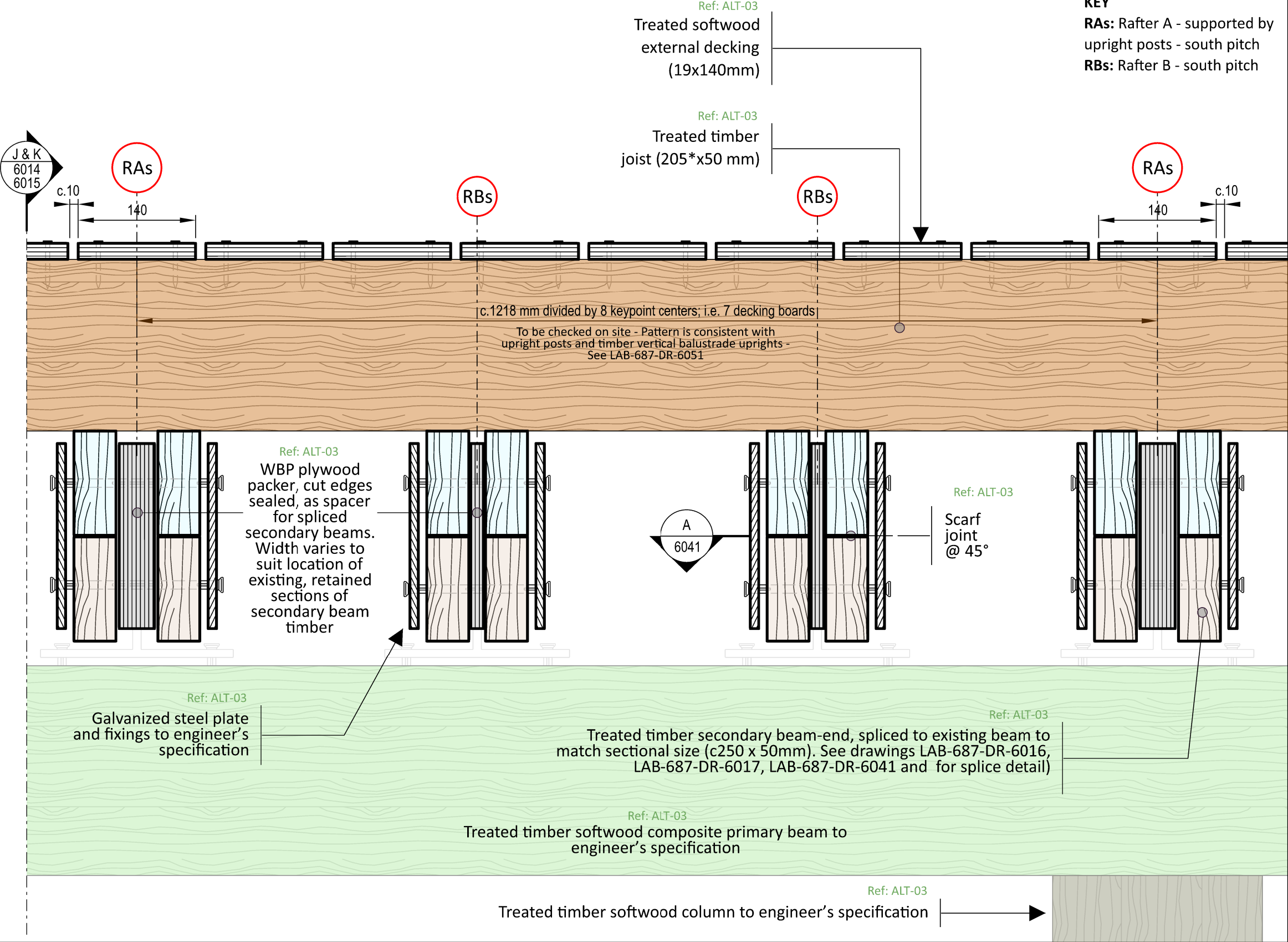
- \* Heights of new joists are dependant on existing finished floor level in relation to existing secondary beams - not fully inspected
- All dimensions are to be re-measured on site
- All dimensions are shown in millimetres unless otherwise noted
- Do not scale



SCALE 1:5 @ A3  
SCALE 1:10 @ A4

0 100mm 200mm 300mm

- Primary beam
- Joist
- Secondary beam
- Column
- Existing, retained beam



KEY

RAAs: Rafter A - supported by upright posts - south pitch

RBs: Rafter B - south pitch

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P1	31.05.23	Specification clauses added	MA	AB	AB
P0	22.05.23	Issue for tender	MA	AB	AB
Rev	Date	Reason For Issue	Dr	Chk	App

Project

Horniman Museum - The CUE

Title

Floor detail section M  
Balcony - Joists connection

Project Number

687

Date

18/05/23

Checked By

AB

Revision

P1

Scale @ ISO A3

1:5

Approved By

AB

Drawing Number

LAB-687-DR-6017

General Notes

- All dimensions are to be re-measured on site
- All dimensions are shown in millimetres unless otherwise noted
- Do not scale

SCALE 1:5 @ A3  
SCALE 1:10 @ A4



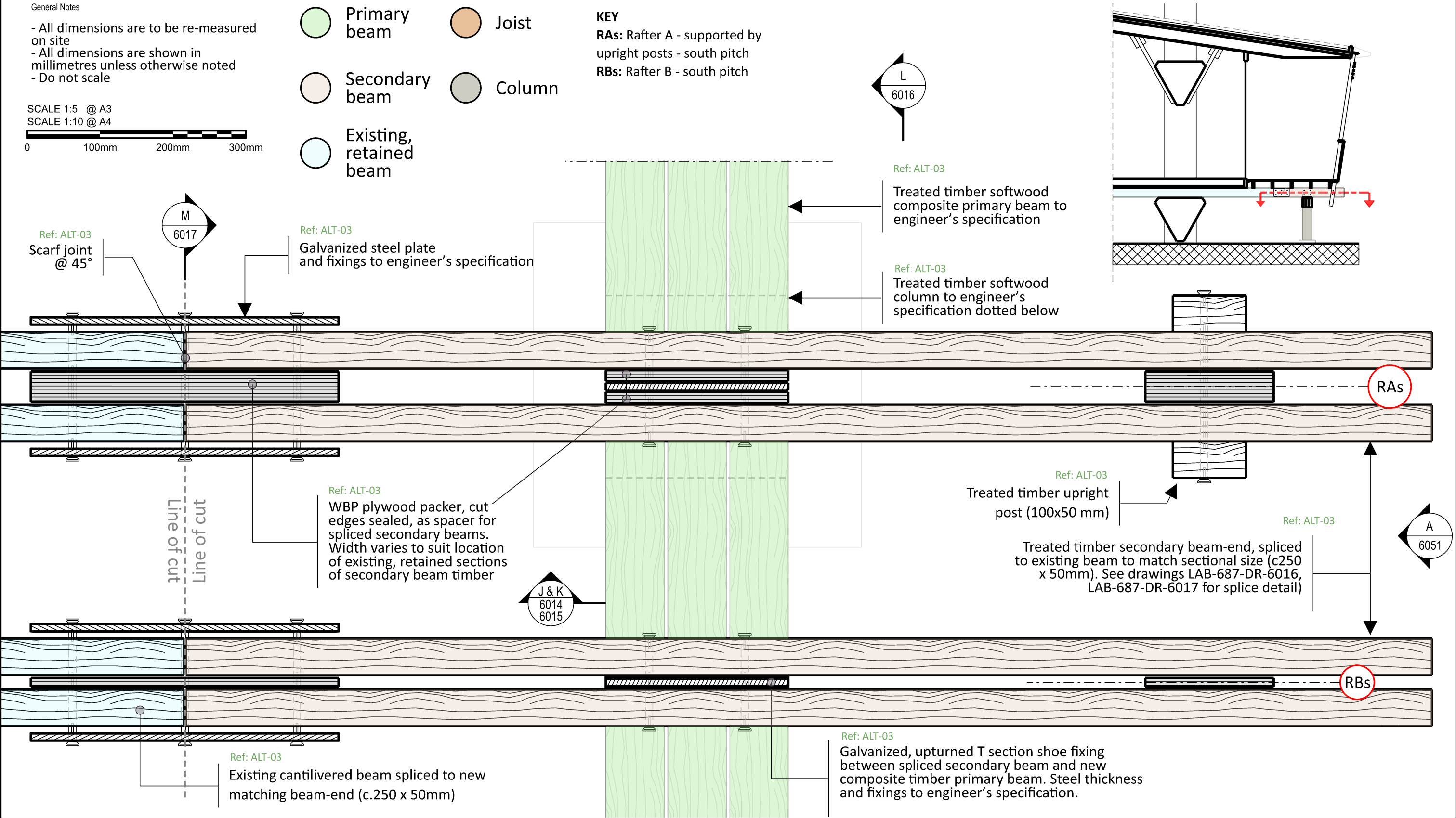
- Primary beam

Secondary beam

Existing, retained beam
- Joist

Column

KEY  
RAs: Rafter A - supported by upright posts - south pitch  
RBs: Rafter B - south pitch



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P1	31.05.23	Specification clauses added	MA	AB	AB
P0	22.05.23	Issue for tender	MA	AB	AB
Rev	Date	Reason For Issue	Dr	Chk	App

Project

Horniman Museum - The CUE

Title

Plan detail A  
Balcony - Secondary beams

Project Number

687

Date

18/05/23

Checked By

AB

Revision

P1

Scale @ ISO A3

1:5

Approved By

AB

Drawing Number

LAB-687-DR-6041



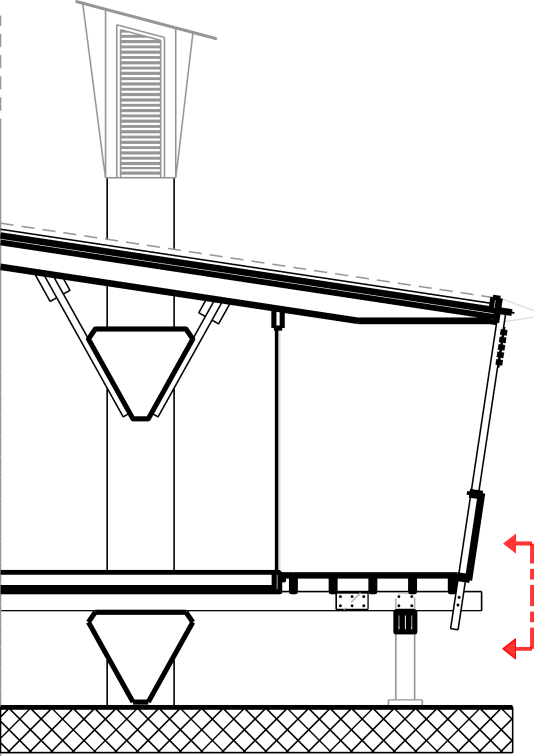
General Notes

\* Heights of new joists are dependant on existing finished floor level in relation to existing secondary beams - not fully inspected

- All dimensions are to be re-measured on site

- All dimensions are shown in millimetres unless otherwise noted

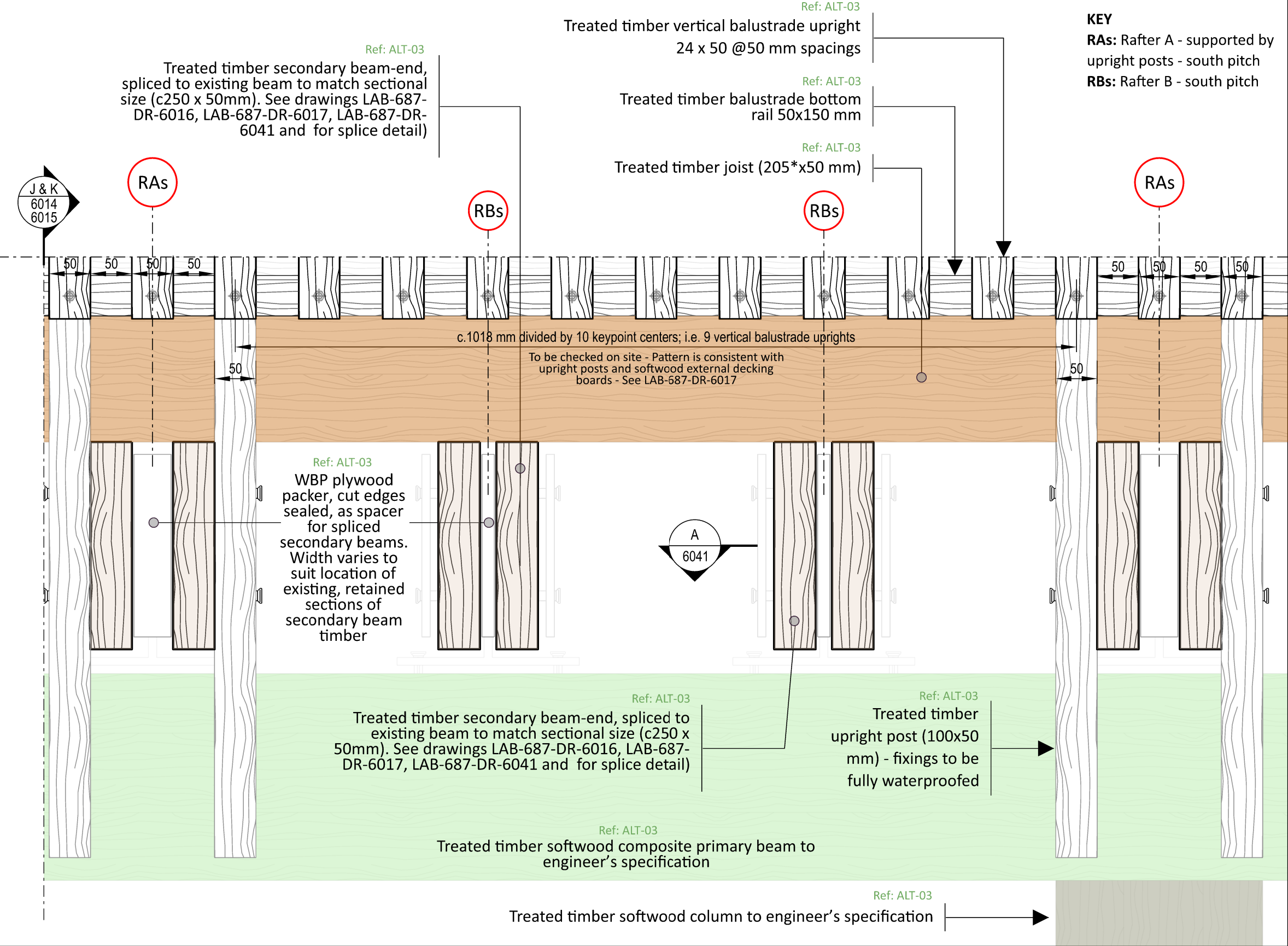
- Do not scale



SCALE 1:5 @ A3  
SCALE 1:10 @ A4

0 100mm 200mm 300mm

- Primary beam
- Joist
- Secondary beam
- Column
- Existing, retained beam



Architects

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P1	31.05.23	Specification clauses added	MA	AB	AB
P0	22.05.23	Issue for tender	MA	AB	AB
Rev	Date	Reason For Issue	Dr	Chk	App

Project

Horniman Museum - The CUE

Title

Floor detail elevation B  
Balcony - Joists

Project Number

687

Date

18/05/23

Checked By

AB

Revision

P1

Scale @ ISO A3

1:5

Approved By

AB

Drawing Number

LAB-687-DR-6051

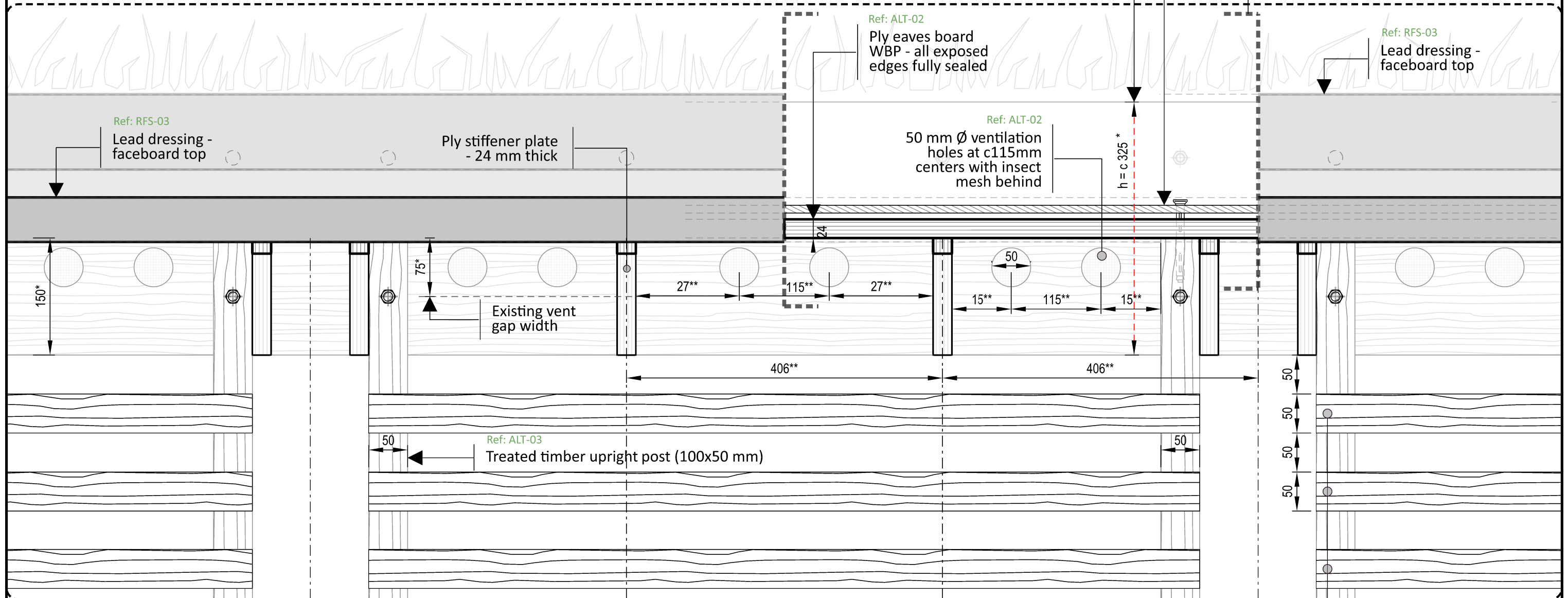


# 01 PERPENDICULAR TO EAVES ELEVATION 1:5

Galvanized steel L-section and fully waterproofed fixings to engineer's specifications

\* New 24mm thick ply face board WBP - all exposed edges to be fully sealed - glued and screw-fixed to existing fascias edge to edge height, c 325mm

Lead dressing removed between dashed lines for illustrative purposes to show timber detail behind



## KEY

**RAs:** Rafter A - supported by upright posts - south pitch

**RBs:** Rafter B - south pitch

**Ss:** Spout axis - south pitch

SCALE 1:5 @ A3

SCALE 1:10 @ A4



\* Dimensions are dependant on existing fascia's height; to be measured on site  
- All dimensions are shown in millimetres unless otherwise noted

\*\* Dimensions are dependant on existing rafter centers; to be measured on site.  
- Do not scale

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P1	31.05.23	Specification clauses added	MA	AB	AB
P0	25.04.23	Issue for tender	MA	AB	AB
Rev	Date	Reason For Issue	Dr	Chk	App

Project

Horniman Museum - The CUE

Title

Proposed detail  
South elevation D

Project Number

687

Date

16/05/23

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AB

Revision

P1

Scale @ ISO A3

1:5

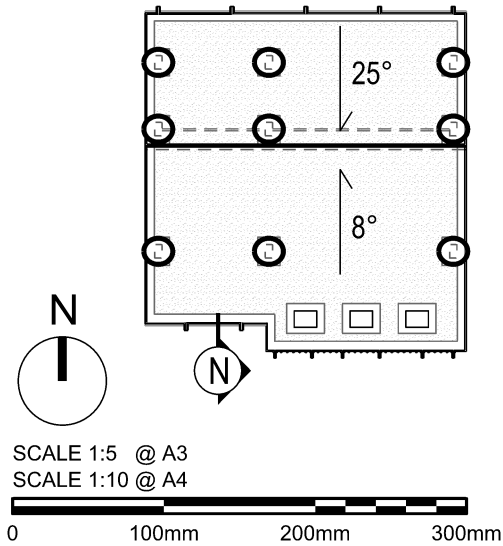
Approved By

AB

Drawing Number

LAB-687-DR-6053





- Existing, retained elements
- Proposed new elements

General Notes

- All dimensions are to be re-measured on site
- All dimensions are shown in millimetres unless otherwise noted
- Do not scale

- Ref: RFS-02 Planting medium c.100mm
- Ref: RFS-02 Drainage board
- Ref: RFS-01 3 ply bituminous felt
- Existing ply panel (c.20mm)
- Existing vent gap (c.75mm)
- Existing ply panel (c.10mm)
- Existing insulation
- Existing ply panel (c.20mm)

SPEC. REFERENCES:

- Ref: ALT-01 - Removal of existing roof systems, inspection and remediation of existing timber deck.
- Ref: ALT-02 - Removal, repair and reinstatements of roof timber perimeter profiles.
- Ref: ALT-03 - Removal, repair and reinstatements of timber balcony assembly.
- Ref: RFS-01 - Reinforced bitumen membrane roof system
- Ref: RFS-02 - New Biodiverse Green Roof System.
- Ref: RFS-03 - New horizontal lead flashing, coping and formed outlets supported.

Existing rafter (cut back on eaves line) - (c. 75x50mm)

Existing batten within roof void

Existing fascia (c.75x75) - cleaned, repaired, and resealed

Ref: RFS-02 Slotted aluminium retention angle with W/P gasket/ compression joint - Fixings to be fully waterproofed

Ref: RFS-02 River stone drainage margin

Existing Fascia, timber (c. 75x 175mm)

Ref: ALT-02 Galvanized steel L-sections and fixings to engineer's specification

Ref: RFS-03 Lead dressing

Ref: ALT-02

Ply eaves board WBP - all exposed edges fully sealed - 24 mm thick

Ref: ALT-02 Ply stiffener plates c406mm centers - 24 mm thick

Ref: ALT-02 50 mm Ø ventilation holes at c115mm centers with insect mesh behind - See LAB-687-DR-6052, 6053 for details

Ref: ALT-02 Ply face board WBP - all exposed edges fully sealed - 24 mm thick

Ref: ALT-03 x5 Treated horizontal timber 24x50 mm @50mm spacings

Ref: ALT-03 Treated timber upright post (100x50 mm)

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Rev	Date	Reason For Issue	Dr	Chk	App
P2	12.06.23	River stone margin increased	MA	AB	AB
P1	31.05.23	Specification clauses added	MA	AB	AB
P0	22.05.23	Issue for tender	MA	AB	AB

Project

Horniman Museum - The CUE

Title

Roof detail section N  
Eaves -South pitch 8°

Project Number

687

Date

18/04/23

Checked By

AB

Revision

P2

Scale @ ISO A3

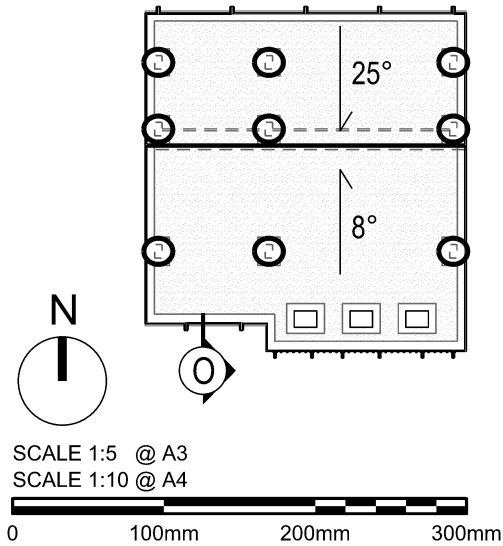
1:5

Approved By

AB

Drawing Number

LAB-687-DR-6061



- Existing, retained elements
- Proposed new elements

General Notes

- All dimensions are to be re-measured on site
- All dimensions are shown in millimetres unless otherwise noted
- Do not scale

- Ref: RFS-02 Planting medium c.100mm
- Ref: RFS-02 Drainage board
- Ref: RFS-01 3 ply bituminous felt
- Existing ply panel (c.20mm)
- Existing vent gap (c.75mm)
- Existing ply panel (c.10mm)
- Existing insulation
- Existing ply panel (c.20mm)

- SPEC. REFERENCES:**
- Ref: ALT-01 - Removal of existing roof systems, inspection and remediation of existing timber deck.
  - Ref: ALT-02 - Removal, repair and reinstatements of roof timber perimeter profiles.
  - Ref: ALT-03 - Removal, repair and reinstatements of timber balcony assembly.
  - Ref: RFS-01 - Reinforced bitumen membrane roof system
  - Ref: RFS-02 - New Biodiverse Green Roof System.
  - Ref: RFS-03 - New horizontal lead flashing, coping and formed outlets supported.

- Existing rafter (cut back on eaves line) - (c. 75x50mm)
- Existing batten within roof void
- Existing fascia (c.75x75) - cleaned, repaired, and resealed

- Ref: RFS-02 Slotted aluminium retention angle with W/P gasket/ compression joint - Fixings to be fully waterproofed
- Ref: RFS-02 River stone drainage margin

- Existing Fascia, timber (c. 75x 175mm)
- Ref: ALT-02 Galvanized steel L-sections and fixings to engineer's specification
- Ref: RFS-03 Lead dressing
- Ref: ALT-02 Ply eaves board WBP - all exposed edges fully sealed - 24 mm thick
- Ref: ALT-02 Ply face board WBP - all exposed edges fully sealed - 24 mm thick

- Ref: ALT-03 x5 Treated horizontal timber 24x50 mm @50mm spacings
- Ref: ALT-03 Treated timber upright post (100x50 mm)

Architects

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P2	12.06.23	River stone margin increased	MA	AB	AB
P1	31.05.23	Specification clauses added	MA	AB	AB
P0	22.05.23	Issue for tender	MA	AB	AB
Rev	Date	Reason For Issue	Dr	Chk	App

Project

Horniman Museum - The CUE

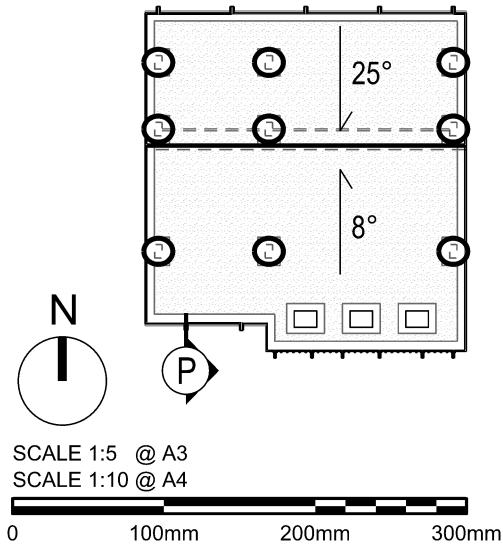
Title

Roof detail section O

Upright post -South pitch 8°

Project Number	687	Date	18/04/23	Checked By	AB
Revision	P2	Scale @ ISO A3	1:5	Approved By	AB
Drawing Number		LAB-687-DR-6062			





- Existing, retained elements
- Proposed new elements

General Notes

- All dimensions are to be re-measured on site
- All dimensions are shown in millimetres unless otherwise noted
- Do not scale

- Ref: RFS-02 Planting medium c.100mm
- Ref: RFS-02 Drainage board
- Ref: RFS-01 3 ply bituminous felt
- Existing ply panel (c.20mm)
- Existing vent gap (c.75mm)
- Existing ply panel (c.10mm)
- Existing insulation
- Existing ply panel (c.20mm)

SPEC. REFERENCES:

- Ref: ALT-01 - Removal of existing roof systems, inspection and remediation of existing timber deck.
- Ref: ALT-02 - Removal, repair and reinstatements of roof timber perimeter profiles.
- Ref: ALT-03 - Removal, repair and reinstatements of timber balcony assembly.
- Ref: RFS-01 - Reinforced bitumen membrane roof system
- Ref: RFS-02 - New Biodiverse Green Roof System.
- Ref: RFS-03 - New horizontal lead flashing, coping and formed outlets supported.

Existing rafter (cut back on eaves line) - (c. 75x50mm)

Existing batten within roof void

Existing fascia (c.75x75) - cleaned, repaired, and resealed

Ref: RFS-02 Slotted aluminium retention angle with W/P gasket/ compression joint - Fixings to be fully waterproofed

Ref: RFS-02 River stone drainage margin

Ref: RFS-02 / RFS-01 Lap joint detailed to prevent capillary action

Ref: RFS-02 Galvanised steel gravel retention grille - Fixings to be fully waterproofed

Ref: RFS-03 Lead dressing

Ref: RFS-03 Lead dressing around ply stiffener top on either side of spout

Lead dressing removed between dashed lines for illustrative purposes to show timber detail behind

Ref: ALT-02 Ply stiffener WBP on either side of spout - all exposed edges fully sealed - 24mm thick

Ref: ALT-02 Ply water spout board WBP - all exposed edges fully sealed - 24mm thick

Ref: ALT-02 Ply face board WBP - all exposed edges fully sealed - 24 mm thick

Ref: ALT-03 x5 Treated horizontal timber 24x50 mm @50mm spacings

Ref: ALT-03 Treated timber upright post (100x50 mm)

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Rev	Date	Reason For Issue	Dr	Chk	App
P2	12.06.23	River stone margin increased	MA	AB	AB
P1	31.05.23	Specification clauses added	MA	AB	AB
P0	22.05.23	Issue for tender	MA	AB	AB

Project

Horniman Museum - The CUE

Title

Roof detail section P  
Spout -South pitch 8°

Project Number

687

Date

18/04/23

Checked By

AB

Revision

P2

Scale @ ISO A3

1:5

Approved By

AB

Drawing Number

LAB-687-DR-6063