APPLICATION FOR DEVELOPMENT AND/OR CONSTRUCTION

Planning and/or Building Construction Applications/Certificates under the Environmental Planning and Assessment Act 1979, or Local Government Act 1993.

TYPE OF APPLICATION

Please tick the type/s of applications required

☐ **DEVELOPMENT APPLICATION**
Please also nominate below (if applicable)

☐ Designated Development ☐ Modification (S96) DA No

☐ Integrated Development ☐ Extension of Consent DA No

☐ Advertised Development ☐ Review of Determination DA No

☐ Other

☐ **SUBDIVISION**
Number of lots

Existing

Proposed

Road ☐ Yes ☐ No

☐ Subdivision Certificate

☐ Strata

☐ Land/Torrens Title

☐ Community Title

Related DA No.

Does the Subdivision include works other than a road? ☐ Yes ☐ No

RECEIVED
R/MGT
26 JUN 2017
PENRITH CITY COUNCIL

Please note, applications for Construction Certificates or Complying Development must be accompanied by a contract for undertaking of certification work.

☒ **CONSTRUCTION CERTIFICATE**

Related DA No. DA17/0240

☐ **COMPLYING DEVELOPMENT CERTIFICATE**
Please select the Planning Policy you are applying under

☐ State Environmental Planning Policy (Name and Number)

☐ Penrith Council Local Environmental Plan (Policy Name)

☐ **INSTALL A SEWERAGE MANAGEMENT SYSTEM**
(Section 68 Local Government Act 1993)

☐ Aerated (Brand and Model)

☐ On Site Disposal or ☐ Pump Out

☐ Irrigation ☐ Trench Disposal

☐ **OTHER APPROVALS**
(Section 68 Local Government Act 1993)

OFFICE USE ONLY

Receipt Number

Date 26.6.17.

Amount $2160.

Application Number(s) CC17/0114.

PENRITH CITY COUNCIL

PROPERTY DETAILS

Location of the proposal. All details must be provided.

Lot No/Sec No.: 374
DP/SP No.: 713863
Land No. (Office Use):
Street No.: 57
Street Name: Peppertree Drive
Suburb: Erskine Park
Post Code: 2759

Provide details of the current use of the site and any previous uses. Eg vacant land, farm, dwelling, car park.

Description of current and previous use/s of the site: child care Centre.

Is this use still operating? [x] Yes [ ] No

If no, when did the use cease?

DESCRIPTION OF THE PROPOSAL

Include all work associated with the application. Eg construction of single dwelling, landscaping, garage, demolition.

Increase in child care Centre Capacity & Enclosing existing Verandah.

VALUE OF WORK PROPOSED

Estimated or contract value of the works. Council may request verification through builders quote or by a Quantity Surveyor.

Must include materials, labour costs and GST. Subdivision applications are to provide details of costs of construction.

$76000

Major developments are to provide Capital Investment Value (CIV) where required.

APPLICANT DETAILS

All correspondence relating to the application will be directed to the applicant. The applicant may be, but is not necessarily, the owner. The applicant's name will appear on the consent.

Name / Company Name: PENRITH. CITY COUNCIL
Street No.:
Street Name 1 / PO Box:
Street Name 2:
Suburb:
Post Code:
Contact Name:

Council will use this email for correspondence. This field is mandatory, please print clearly.

Contact Phone Number:
Email Address:

PENRITH CITY COUNCIL

OWNER'S DETAILS

This must be completed to include details of ALL owners. If there are more than two owners please attach a separate authority.

Owner 1

First Name | Surname

Owner 2

First Name | Surname

Postal Address

Street No. | Street Name / PO Box

PO BOX 60

Suburb | Post Code

PENRITH NSW 2751

Contact Phone Number | Email Address

4732 7658 | angus.fulton@penrith.city

Company Name (if applicable)

PENRITH CITY COUNCIL

Name of signatory for company

ANGUS FULTON

Position held by signatory

PROPERTY DEVELOPMENT MANAGER

OWNER'S CONSENT

This must be completed to include signatures of ALL owners (see above note). If the property is subject to strata or community title the application must have consent from the Body Corporate.

As owner/s of the property the subject of this application I/we consent to the application. I/we grant permission for Council Officers to enter the premises for the purpose of assessment of this application and to conduct inspections relative to this application.

Owner 1/Company Signatory

Print | Signature | Date

ANGUS FULTON | | 23/06/17

Owner 2

Print | Signature | Date

PECUNIARY INTEREST

Details of any pecuniary interest to be disclosed here.

Is the applicant an employee of Penrith City Council, or is the application being submitted on behalf of an employee of Penrith City Council? ☑ Yes ☐ No

Does the applicant have a relationship to any staff or Councillor of Penrith City Council or is the application being submitted on behalf of someone who has such a relationship? ☐ Yes ☐ No

If the answer is yes to any of the above the relationship must be disclosed

PENRITH CITY COUNCIL

BUILDER/OWNER BUILDER DETAILS

Please Nominate

☒ Licenced Builder ☐ Owner Builder

First Name | Surname/Company Name | Licence No.

Covenit building group PTY LTD

Postal Address

Street No. | Street Name

18 37-47 Bone rd Penrith

Suburb | Post Code

Penrith. 2750.

Contact Phone Number | Email Address

Covenit homes@gmail.com.

MATERIALS TO BE USED

This is required to be completed for the Australian Bureau of Statistics.

Please Nominate

Walls	Roof	Floor	Frame
☐ Brick Veneer	☐ Tiles	☒ Concrete	☐ Timber
☐ Double Brick	☐ Fibre Cement	☐ Timber	☒ Steel
☐ Concrete	☐ Aluminium	☐ Other	☐ Aluminium
☐ Fibre Cement	☒ Steel		☐ Other
☐ Curtain Glass	☐ Other		
☒ Steel			
☐ Aluminium			
☐ Other			

Gross Floor Area of Proposal *(if applicable)*

Existing | Proposed | Total

312. + 46. = 358.

INTEGRATED DEVELOPMENT

If the development is Integrated and requires approval under another Act, please nominate which approvals are required.

☐ Fisheries Management Act
☐ National Parks and Wildlife Act
☐ Water Management Act
☐ Protection of the Environment Operations Act
☐ Heritage Act
☐ Roads Act
☐ Rural Fires Act
☐ Other

PRE LODGEMENT/URBAN DESIGN REVIEW PANEL

If you answered 'yes' to this question, you are required to include a written summary within your submission about how the advice has been incorporated into your design. This may be included in your statement of environmental effects.

Have you attended a Prelodgement/ UDRP meeting regarding this application? ☐ Yes ☐ No

Reference No.

PENRITH CITY COUNCIL

LODGEMENT

Electronic lodgement removes the need for multiple hard copies of plans and documents, and helps us assess your application more efficiently. You need to provide:

- **1 complete set of all plans and documentation in hard copy format** (see rules below), and
- **1 complete set of all plans and documentation in electronic format** (see rules below), on a CD or USB.
- **Applications that require neighbour notification are to supply 6 hard copy A4 notification plans** (see rules below).

Upon release of the determination, we will send all documentation and plans in an electronic format to the email address you provided in your application.

If you require hard copy documents and plans with your determination, a printing and postage fee will apply. We will contact you prior to release of the determination to confirm the fee (see applicant's declaration on page 6 to nominate this option).

RULES FOR ELECTRONIC COPIES

All DAs should be accompanied by an electronic copy of all plans and supporting documents. Where an electronic copy is not provided, a scanning fee will apply. Any CD/USB provided becomes Council's property.

Electronic documents must be:

✓ virus free

✓ submitted in PDF format

✓ Electronic modelling data, eg. MUSIC files and flood models must be submitted in their true file type (eg. sqz) and

Electronic documents must not be:

✗ protected by security settings or passwords, or

✗ stored within folder structures

Electronic plans

All different plan and report types require individual PDF files. For example building work or architectural plans (eg site, plan, floor plan, sections and elevations) are to be in one file and named as architectural plans. Other plan types are also to be in one file and individually named for example stormwater plans or engineering plans

Reports or assessments are also to be saved and named separately. For example the statement of environmental effects, traffic, contamination or geotechnical report.

File names must include the name of the file/document first, followed by the address of the property.

RULES FOR HARD COPIES

✓ All DAs should be accompanied by an electronic copy of all plans and supporting documents (see above)

✓ all plans are folded to A4 size

✓ only originals of subdivision certificates are rolled

✓ notification plans:

- are A4 size
- are kept separate from other plans, and
- do not include any floor plans that affect your right to privacy

MAJOR APPLICATIONS

- Additional CDs /USBs will be required for major and integrated developments
- An appointment is required to lodge an advertised or integrated development (please contact Council on the below number to make an appointment)
- Certain applications may require the submission of additional information not listed in the guide

Please contact the Development and Environmental Health team on 4732 7991 to confirm documentation required.

PENRITH CITY COUNCIL

SUBMISSION REQUIREMENTS

The matrix identifies the minimum information (plans and supporting documents) required for the most common types of developments.

✓ Indicates this information must be provided.

✤ Indicates this additional information must be provided if applying for a Construction Certificate or Complying Development Certificate.

✧ Indicates this information may also be required (refer to the relevant policies or contact Council for further details before lodging your application).

MATRIX OF INFORMATION TO ACCOMPANY APPLICATION	Residential Dwellings	Alterations or Additions to Residential Dwellings	Garage, Outbuilding, Awning Carport, etc	Farm Building	Swimming Pool	Dual Occupancy	Multi Unit Housing	Commercial / Industrial Building	Alteration and Additions to Commercial / Industrial	Demolition	Subdivision of Land	Septic Tank (Sewage Management)	Advertising Sign	Home Business	**Applicant Checklist**	**Council Checklist - supplied Y/N**
Site plan	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Floor Plan	✓	✓	✓	✓		✓	✓	✓	✓		✧	✓		✓		
Elevation Plan	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✤		
Section Plan	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✧	✤		
Specifications	✤	✤	✤	✤	✤	✤	✤	✤	✤	✓		✓	✧	✤		
Statement of Environment Effects	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
BASIX	✓	✧			✧	✓	✓									
Shadow Diagrams	✧	✧				✧	✧	✧	✧							
Notification Plan (A4)	✓	✓	✓	✓	✓	✓	✓	✧	✧					✓		
Landscaping	✧	✧	✧	✓		✓	✓	✓	✧			✓				
Erosion/Sediment Control	✓	✓	✧	✧	✧	✓	✓	✓	✧	✓	✧	✧	✧			
Drainage Plan to AHD (Stormwater) Drainage Plan (Effluent)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✧	✧	✓				
Waste management	✓	✧		✧	✓	✓	✓	✓	✧	✓				✧		
External Colour Schedule	✓	✓		✓		✓	✓	✓	✓							
Building Sustainability Rating Certificate	✓	✓				✓	✓	✧	✧		✧					
Site and Soil Assesment Report	✧	✧	✧			✧					✧	✧		✧		

Are all electronic files supplied in PDF format? ☐ Yes ☐ No

If no, what other file types are included? (eg. sqz)

APPLICANT'S DECLARATION

Checklist must be completed prior to declaration.

☐ I declare that all particulars supplied are correct and all information required, as outlined in the above matrix, have been supplied. I also certify that all information supplied electronically is a true copy of all plans and documents submitted with this application and that electronic data is not corrupt and does not contain any viruses.

☐ I am authorised by the copyright owner of any material submitted with this application to provide this material to Council. In doing so I understand and the copyright owner acknowledges that this material may be made publicly available at Councils offices, on Councils website and to third parties on request both during and after the assessment is completed.

☑ I require determination documents in hard copy. I understand that a printing and postage fee applys and that i will be contacted prior to release of the documents to confirm this fee.

Signature/s

Date 26·6·17

PENRITH CITY COUNCIL

All political donations must be disclosed.

POLITICAL DONATIONS

All donations and gifts made by any person with a financial interest in the application (from 2 years prior to this application up to the time it is determined), must be disclosed including:

- all reportable donations made to any Councillor of Penrith City Council, and
- all gifts made to any Councillor or employee of Penrith City Council.

Any disclosure must be made in a statement accompanying the relevant application by the person who makes the application. If a further donation or gift is made after the lodgement of the application, a further statement must be provided within seven days after the donation or gift is made.

Is a disclosure statement required? ☐ Yes ☐ No

If yes, has it been attached to the application? ☐ Yes ☐ No

PRIVACY NOTICE

All information contained in your application including plans and supporting documents may be available for public access or disclosure under the Government Information (Public Access) Act 2009 (GIPA) and other legislation.

The form must be completed correctly and all required information and copies of plans/ documents provided before the application can be accepted.

ACCEPTANCE OF APPLICATION

Council will not process applications that are incomplete or non-complying with lodgement requirements. These will not be accepted or may be returned to applicants within fourteen (14) days.

OFFICE USE ONLY

Additional Information required before the application will be accepted

This is an electronic Development Application ☐ Yes ☐ No

Value of work acceptable ☐ Yes ☐ No

Declaration signed and matrix checklist completed ☐ Yes ☐ No

Satisfactory to Lodge? ☑ Yes ☐ No

Responsible Officer **Date** 26.6.2017.

CONTACT US

Penrith City Council
601 High Street
PENRITH NSW 2750

PO Box 60
PENRITH NSW 2751, or

PHONE: (02) 4732 7991
FAX: (02) 4732 7958
EMAIL: council@penrithcity.nsw.gov.au
WEB: www.penrithcity.nsw.gov.au

PENRITH CITY COUNCIL

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PENRITH CITY COUNCIL

This plan / document relates to Development Consent: DA17/0240

Subject to the conditions outlined in the consent

MEMO

Development Application

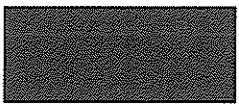
Subject: COLOUR SCHEDULE – PEPPERTREE, ERSKI
Alterations and Additions to Erskine Park OOSH

Address: 57 Peppertree Drive, Erskine Park

Date: 6 March 2017

Rev B

WINDOWS/DOOR FRAMES
New (to match existing)



STATEMENT OF ENVIRONMENTAL EFFECTS

A Statement of Environmental Effects is a written document that supports the development application. It demonstrates that consideration has been given to the impact the proposed development may have on the natural and built environment and any mitigation measures to address any negative effects. All development will require a Statement of Environmental Effects although the level of detail may vary according to the type of development.

A Statement of Environmental Effects should include, but is not limited to, the following:

Site Suitability

- Is the site: affected by flooding? identified as bushfire prone land? subject to mine subsidence/soil erosion/landslip etc?
- Where will stormwater drain to? Is the site serviced?

Access and Traffic

- Demonstrate driveway access, manoeuvrability and pedestrian safety
- Suitability of the existing road network and the number of vehicles entering/exiting the site
- Discuss the number and location of parking spaces.

Streetscape and Design

- Discuss how the design of the development is consistent with the existing streetscape
- Provide details of the proposed external finishes, including material type and colour.
- Discuss the availability of utility services such as power, water, sewer and telephone.
- Describe the method of sewage effluent and stormwater disposal.

Privacy Views and Overshadowing

- Explain how the proposal satisfies Council's requirements for solar access.
- Discuss how the proposal affects the views both from and into the site, from neighbouring properties, roads and any more distant elevated vantage points together with any measures to reduce the impact.

Social and Economic Effects

- Discuss whether the development will have a positive or negative social and/or economic impact on the locality.

Flora and Fauna

- Discuss the impact that the development will have on any vegetation or fauna for the site.

SHADOW DIAGRAM

Shadow diagrams are to be provided with all developments that are two-storeys or greater. Shadow diagrams are to demonstrate shadows at 9am, 12noon and 3pm on Winter Solstice (21 June). These should show the location of building footprints on adjoining properties where affected by any shadow.

LANDSCAPING INFORMATION

Penrith DCP 2014 details submission requirements in Chapter C6 (Landscape Design) and Appendix 3. The level of landscaping detail varies according to the type of proposal.

EROSION AND SEDIMENT CONTROL DETAILS

Where appropriate, details of the proposed method of soil erosion and sediment control are to be provided with the development application.

DRAINAGE INFORMATION

Detailed stormwater management plans are to accompany the development application where the development results in additional stormwater run-off. These plans are to include details of pipe sizes and location, size and location of pits, on-site detention areas (where required) and stormwater calculations. If an easement is being created through an adjoining property, you will need to provide evidence of agreement from the owners of that property, and their consent to lodgement of the development application.

For more information, refer to Appendix F3 (DA Submission Requirements) in Penrith Development Control Plan 2014 or contact Development Services on 4732 7991.

DEVELOPMENT APPLICATION (DA)
INFORMATION SHEET

SITE PLAN (SCALE 1:200)

A site plan is an aerial view of the land showing the existing and proposed development. This plan should include the:

- location of the land, the measurements of the boundaries of the land, and which direction is north.
- location and uses of buildings, structures, swimming pools and fences that are proposed and existing on the land and adjoining land.
- distances to boundaries and other structures from the proposed development.
- existing and proposed levels of the land (provide AHD levels on flood affected properties).
- extent of any cut or fill and details of proposed retaining walls.
- location of any trees (including street trees), their species names and canopy diameter.
- location and width of any restriction on the use of the land, easement, rights of way and watercourses.
- location of driveways, laybacks and utility installations (such as light poles) where applicable.
- landscape area calculation.
- location and uses of buildings on sites that adjoin the land.

FLOOR PLAN (SCALE 1:100)

A floor plan is an aerial view of the internal layout of the development. These should include the:

- layout of the proposed and existing rooms, the room names, areas and dimensions.
- window and door locations and sizes.
- wall structure type and thickness.
- floor levels (provide AHD levels on flood affected properties).
- location of smoke detectors (where applicable).

ELEVATION PLAN (SCALE 1:100)

An elevation plan is an external view of the proposed development. These should include the:

- side views of each profile of the proposed development.
- external walls and ridge heights.
- window and door locations and sizes.
- external materials and finishes.

For additions and alterations you must clearly distinguish between the existing and proposed work.

A 3D coloured perspective may be required for certain developments.

SECTION PLAN (SCALE 1:100)

A section plan is a diagram showing a cut through the development at important or typical points. These should include:

- The section names and their location on the floor plan.
- Proposed construction methods for floors, walls and roofs.
- Floor to ceiling heights.

Penrith City Council
PO Box 60, Penrith
NSW 2751 Australia
T 4732 7777
F 4732 7958
penrithcity.nsw.gov.au

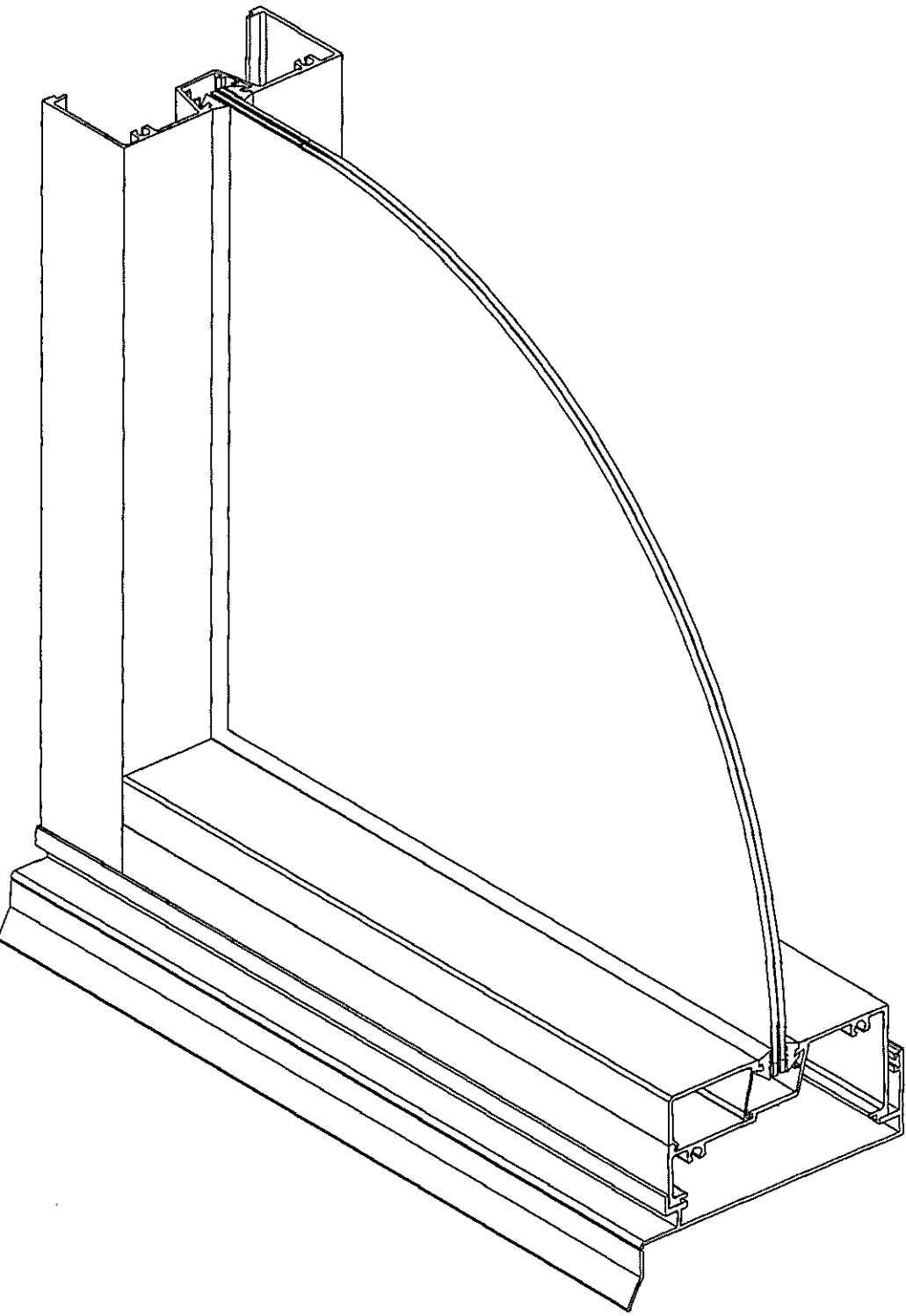
NOTIFICATION PLAN

Council requires that certain development proposals be notified to neighbouring property owners and residents. Where this is required, the development application will need to include an A4 size copy of the site and elevation plans (larger developments should also include an A3 size plan as well as the A4 size).

PENRITH CITY COUNCIL

ARI
ALUMIN

Y 101.6x45mm SINGLE CENTRE GLAZED SYSTEM



DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

CONTENTS

CONTENTS

DARLEY ALUMINIUM

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

INTRODUCTION

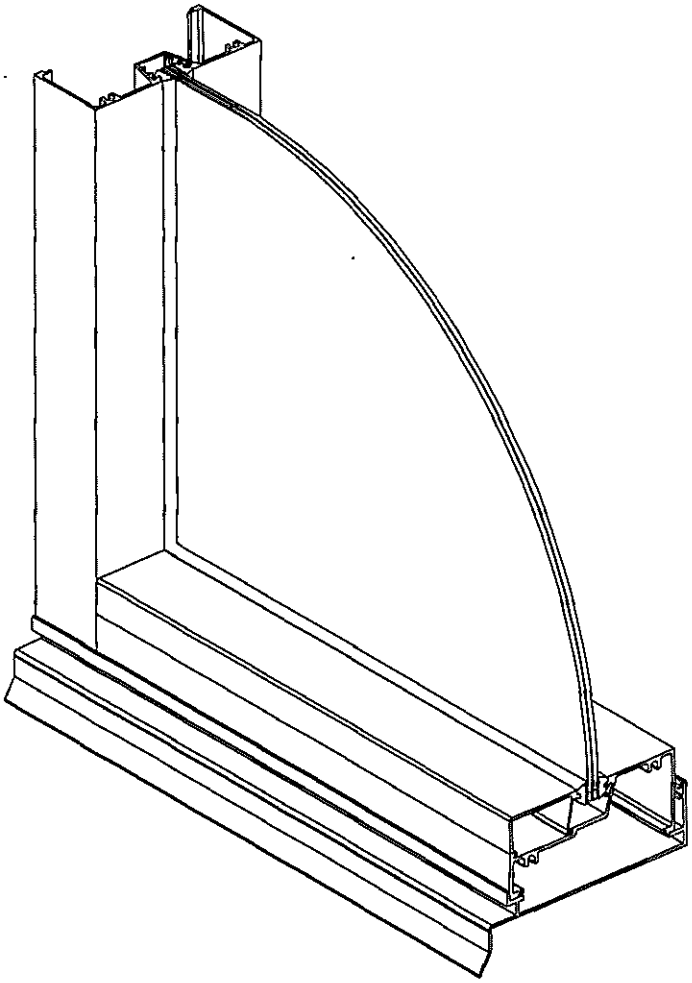
Darley's 101.6x45mm Single Centre Glazed System is the ideal choice for modern architectural requirements, meeting current design trends as well as performance specifications.

The system is ideally suited for shopping centres, offices, show rooms, and commercial buildings. It is also widely used in high end residential developments and apartments.

Framing options include hinged, pivot, sliding and bi-fold door combinations and can be incorporated in a variety of awning/casement, double hung and sliding sash window options. (Refer to Door Sections.)

Glazing ranging from 6mm to 10.38mm can be installed without the need for adaptors. Roll-in and captive wedges are available for glass thickness up to 10.38mm.

All Darley framing systems are available in powder coat and anodised finishes. (Refer to Darley Aluminium Product Catalogue for further information.)



Design Features:

- Accepts glass thickness from 6mm-10.38mm
- Compatible with other Darley Aluminium Commercial and Residential Systems
- Self draining transom
- Accepts a variety of awning sash options (refer to Awning Section)
- Range of sub head and sub sill options
- Range of heavy duty mullion options for tall framing and high wind areas

Specifications:

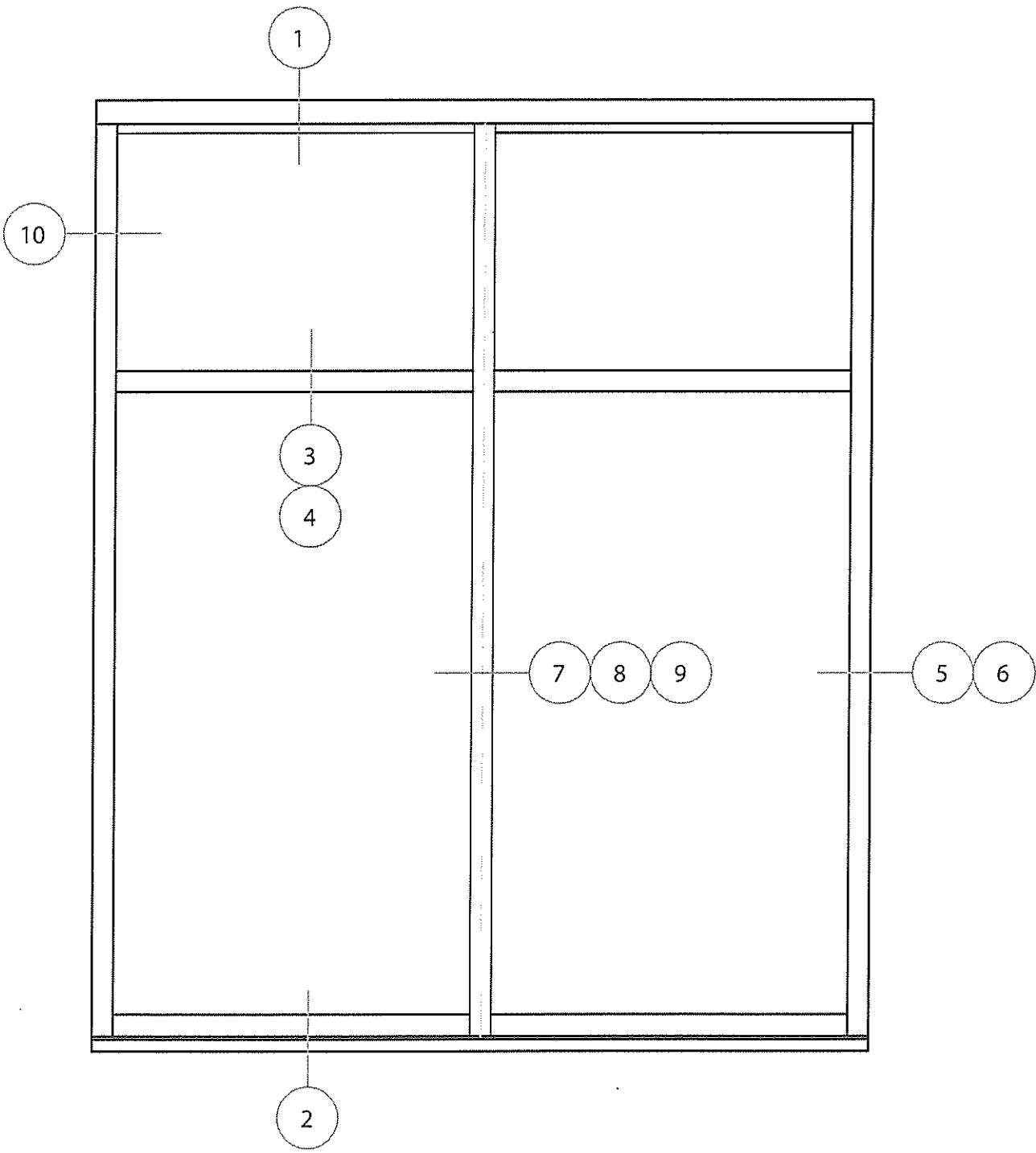
- Aluminium frames to be manufactured using Darley 101.6x45mm Single Centre Glazed System.
- Engineering, manufacture and installation of frames must meet requirements of:
  - » AS 2047-2048 (Windows in Buildings)
  - » AS/NZS 1170 (Loading Code)
  - » AS/NZS 1664 (Aluminium Structures Code)
- Glazing selected must meet requirements of AS 1288 (Glass in Buildings)
- Size limitations are governed by design intent, glass selection and local wind load and deflection requirements. For further technical assistance and fabricator selection contact Darley Aluminium.
- An Engineer should be consulted to ensure selected framing meets the requirments as set out in the relevant Australian Standards.

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

GENERAL CONFIGURATION

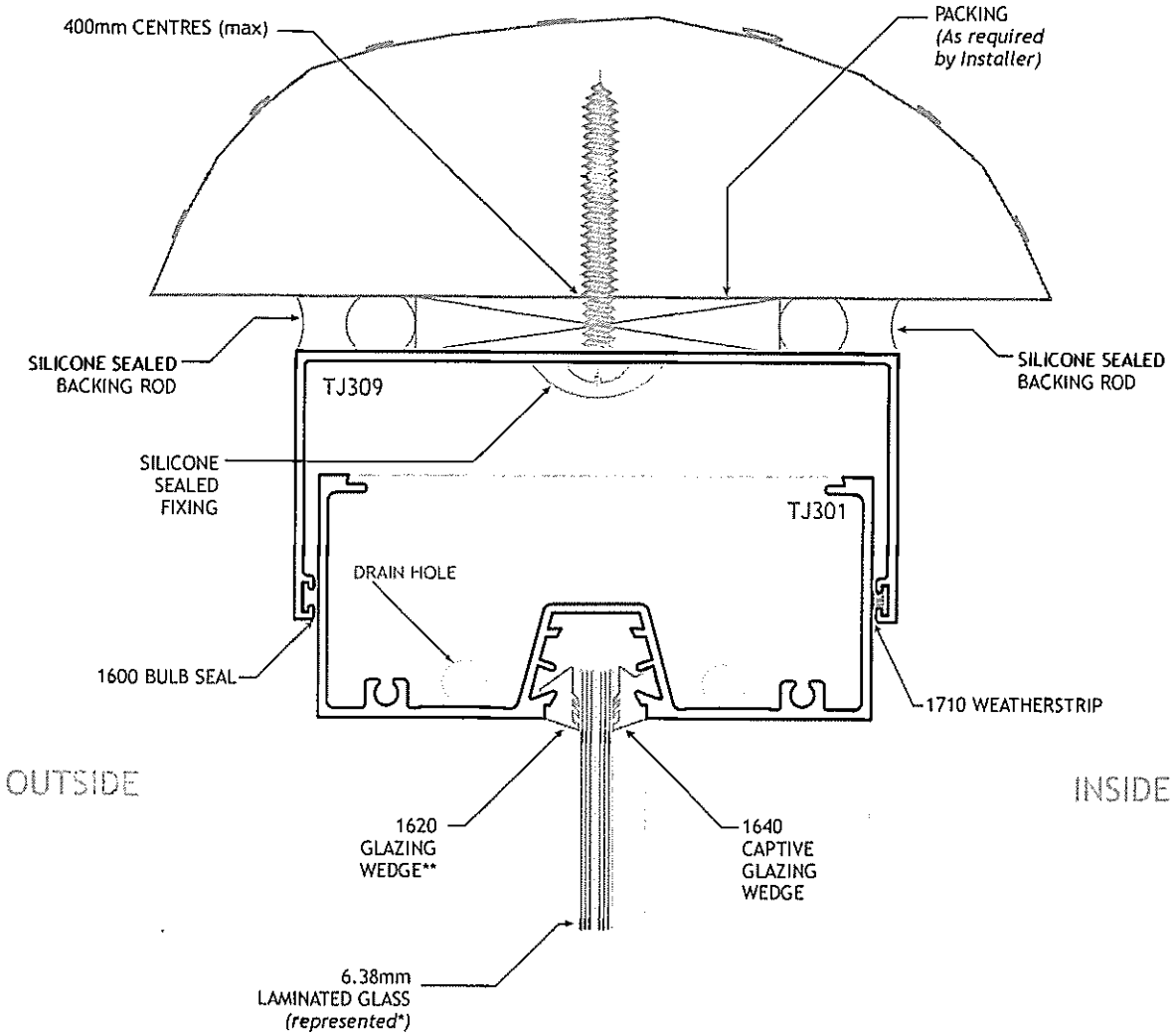


DARLEY ALUMINIUM

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

HEAD OPTION - Light Duty



1 Head Detail

NOTES:

* Glass should be selected according to the product configuration and the site performance factors required. Please refer to AS1288 when selecting your glass requirements.

** Refer to Small Parts List.

N.B.

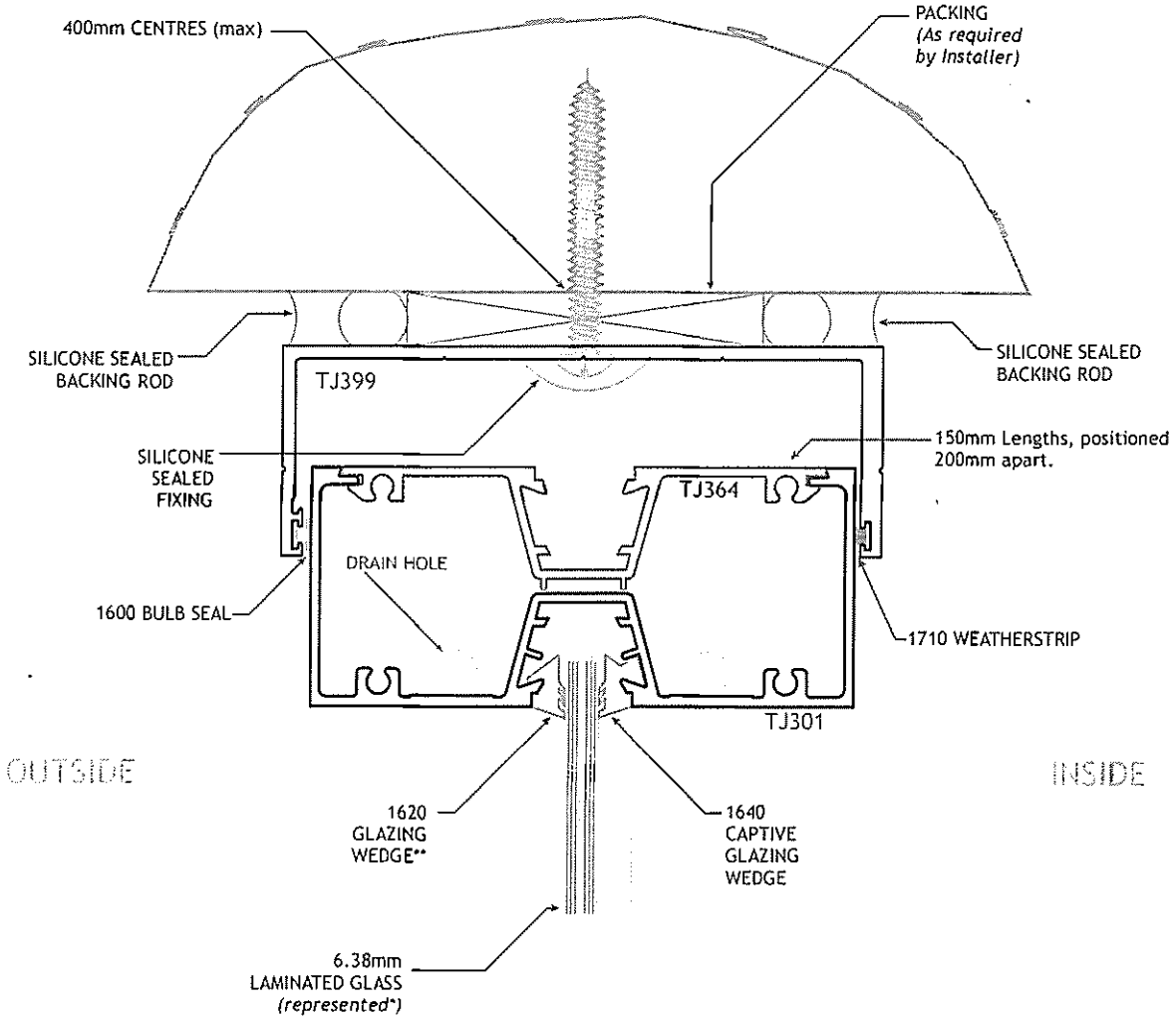
- For panels above 2.5m² use TJ399 Heavy Duty Subhead, TJ379 Heavy Duty Subsill, and TJ364 Heavy Duty Adaptor in frame, as shown on page 6.
- All joints need to be sealed with small joint sealer or foam tab option.

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

HEAD OPTION - Heavy Duty *(for panels above 2.5m²)*



1a Head Detail

NOTES:

* Glass should be selected according to the product configuration and the site performance factors required. Please refer to AS1288 when selecting your glass requirements.

** Refer to Small Parts List.

N.B.

- For panels above 2.5m² use TJ399 Heavy Duty Subhead, TJ379 Heavy Duty Subsill, and TJ364 Heavy Duty Adaptor in frame.

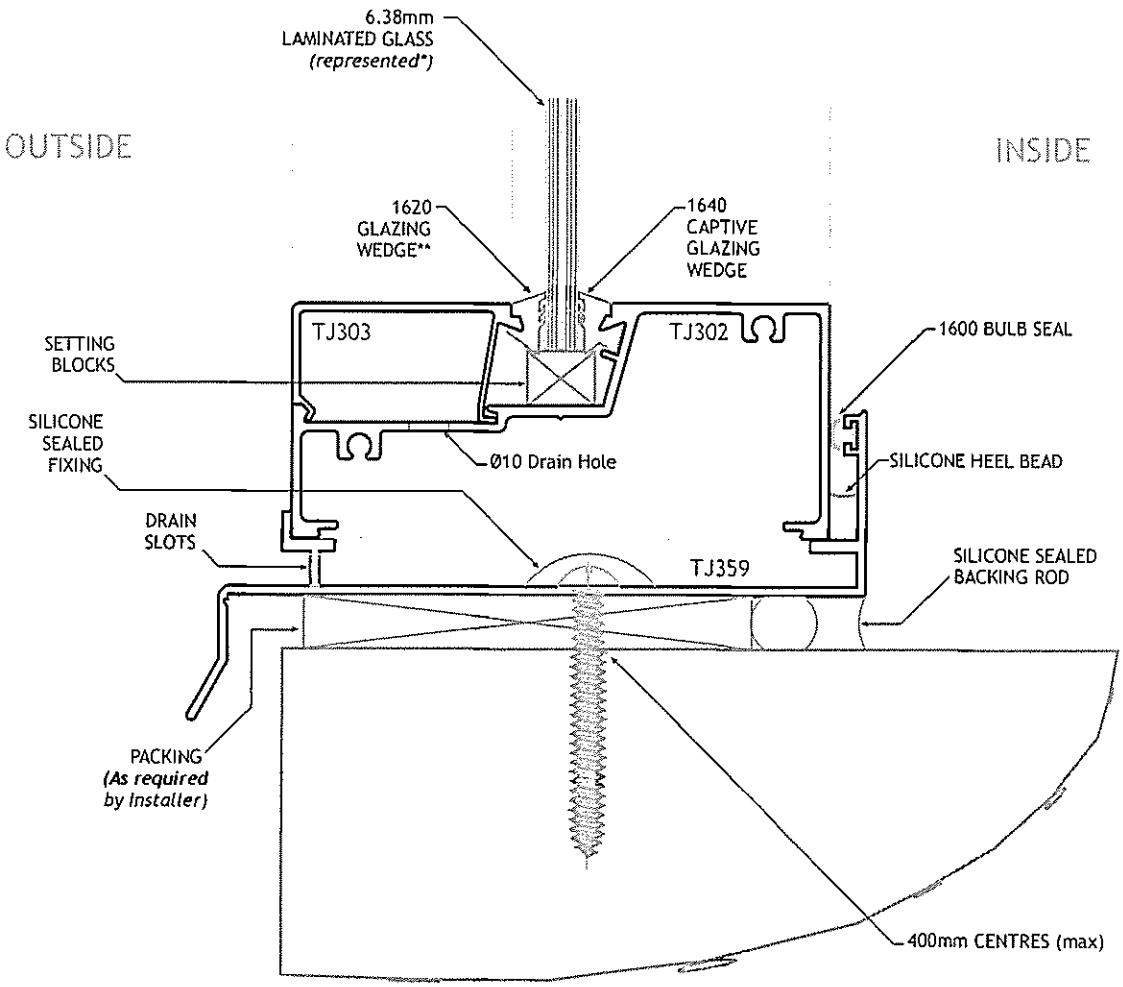
- All joints need to be sealed with small joint sealer or foam tab option.

DARLEY ALUMINIUM

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

SILL OPTION - Light Duty



2 Sill Detail

NOTES:

* Glass should be selected according to the product configuration and the site performance factors required. Please refer to AS1288 when selecting your glass requirements.

** Refer to Small Parts List for vinyls.

N.B.

- All joints need to be sealed with small joint sealer or foam tab option.

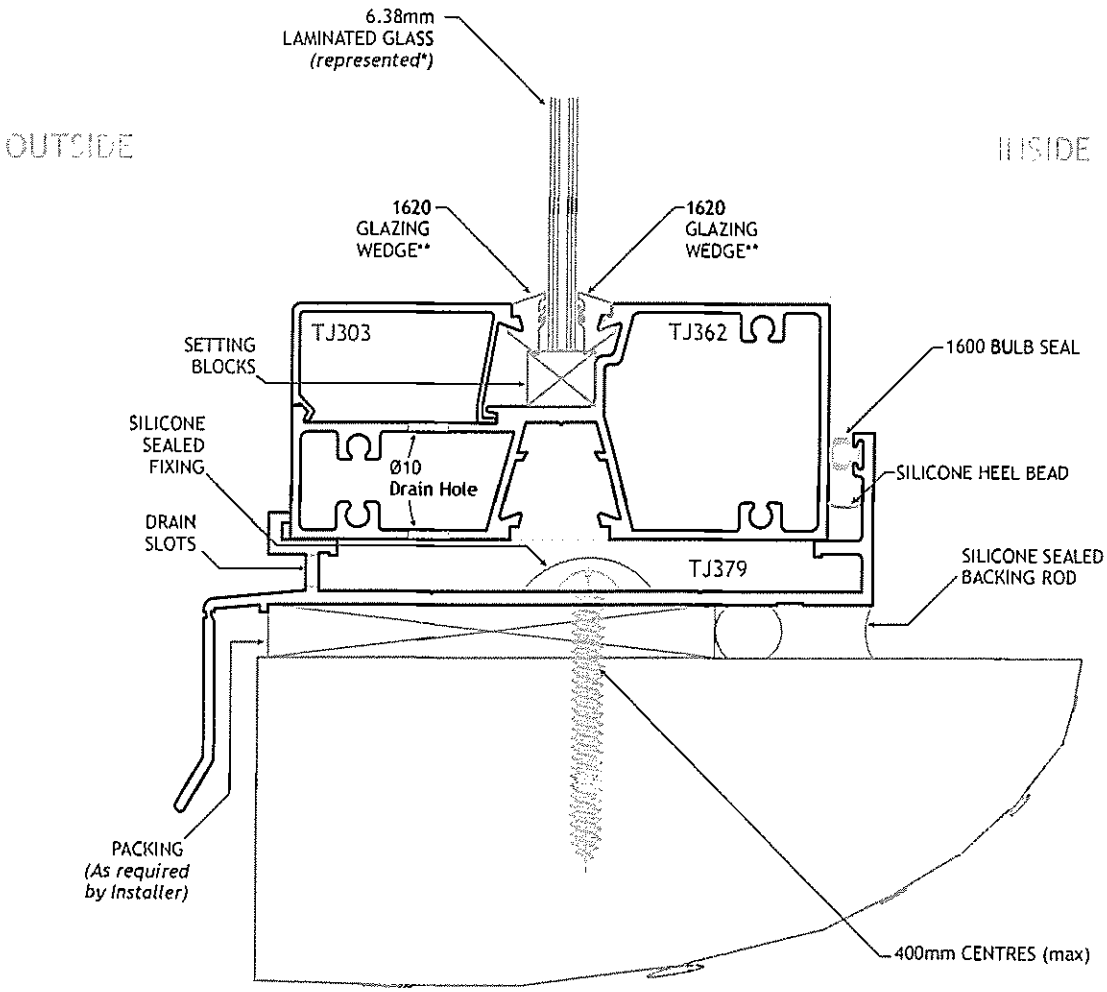
- For panels above 2.5m² use TJ399 Heavy Duty Subhead, TJ379 Heavy Duty Subsill, and TJ364 Heavy Duty Adaptor in frame, as shown on page 6.

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

SILL OPTION - Heavy Duty *(for panels above 2.5m²)*



2a Sill Detail

NOTES:

* Glass should be selected according to the product configuration and the site performance factors required. Please refer to AS1288 when selecting your glass requirements.

** Refer to Small Parts List for vinyls.

N.B.

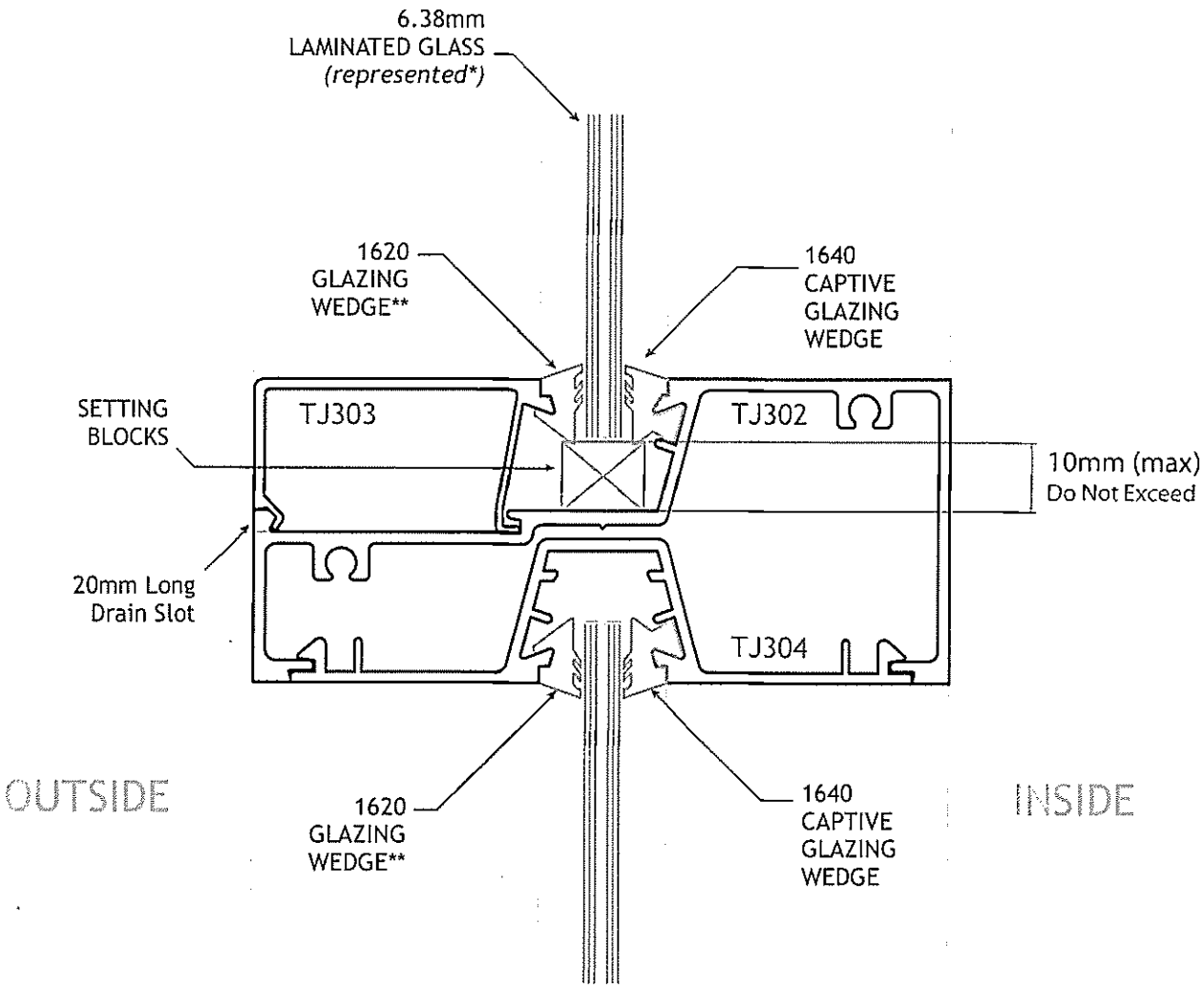
- All joints need to be sealed with small joint sealer or foam tab option.
- For panels above 2.5m² use TJ399 Heavy Duty Subhead, TJ379 Heavy Duty Subsill, and TJ364 Heavy Duty Adaptor in frame, as shown on page 6.

DARLEY ALUMINIUM

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

TRANSOM OPTION



4 Transom Detail

NOTES:

* Glass should be selected according to the product configuration and the site performance factors required. Please refer to AS1288 when selecting your glass requirements.

** Refer to Small Parts List for wedge options.

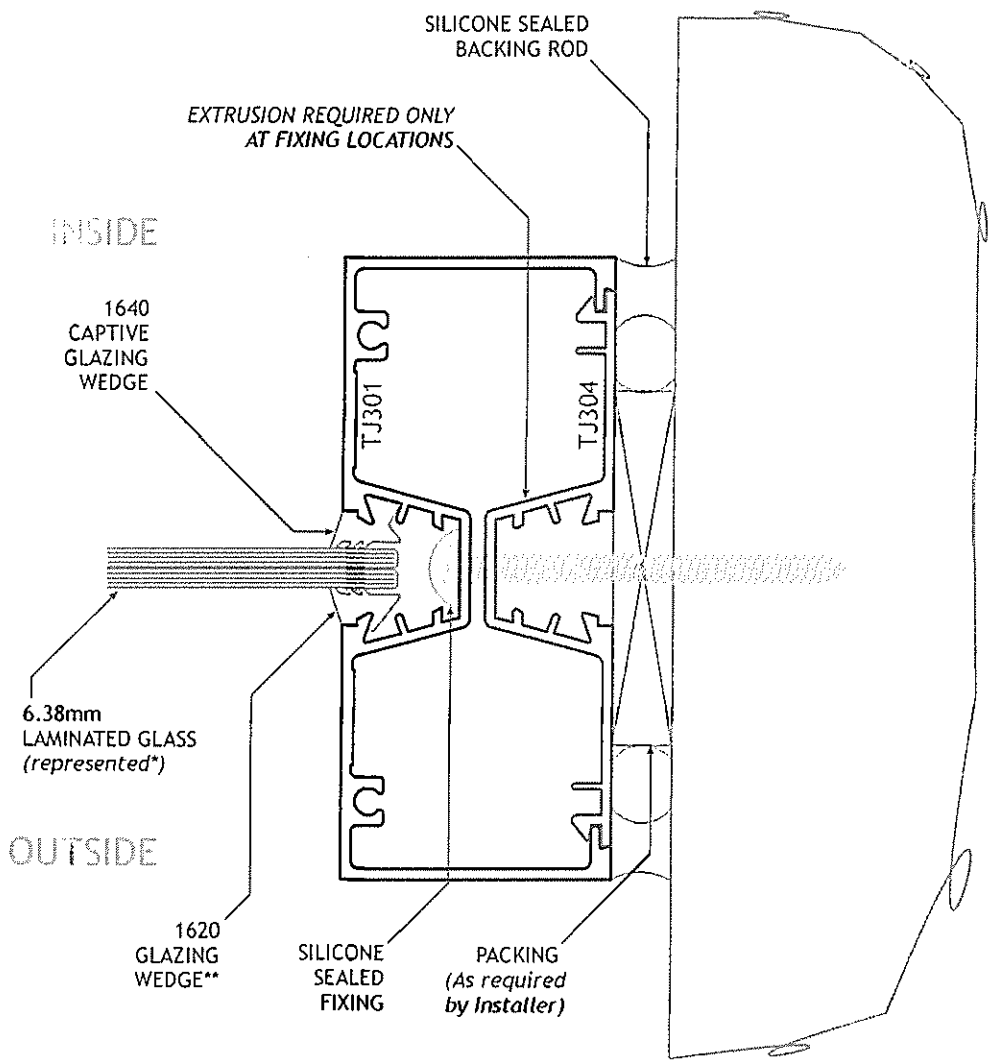
N.B. All joints need to be sealed with small joint sealer or foam tab option.

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

JAMB OPTIONS



5 Jamb Detail

NOTES:

* Glass should be selected according to the product configuration and the site performance factors required. Please refer to AS1288 when selecting your glass requirements.

** Refer to Small Parts List.

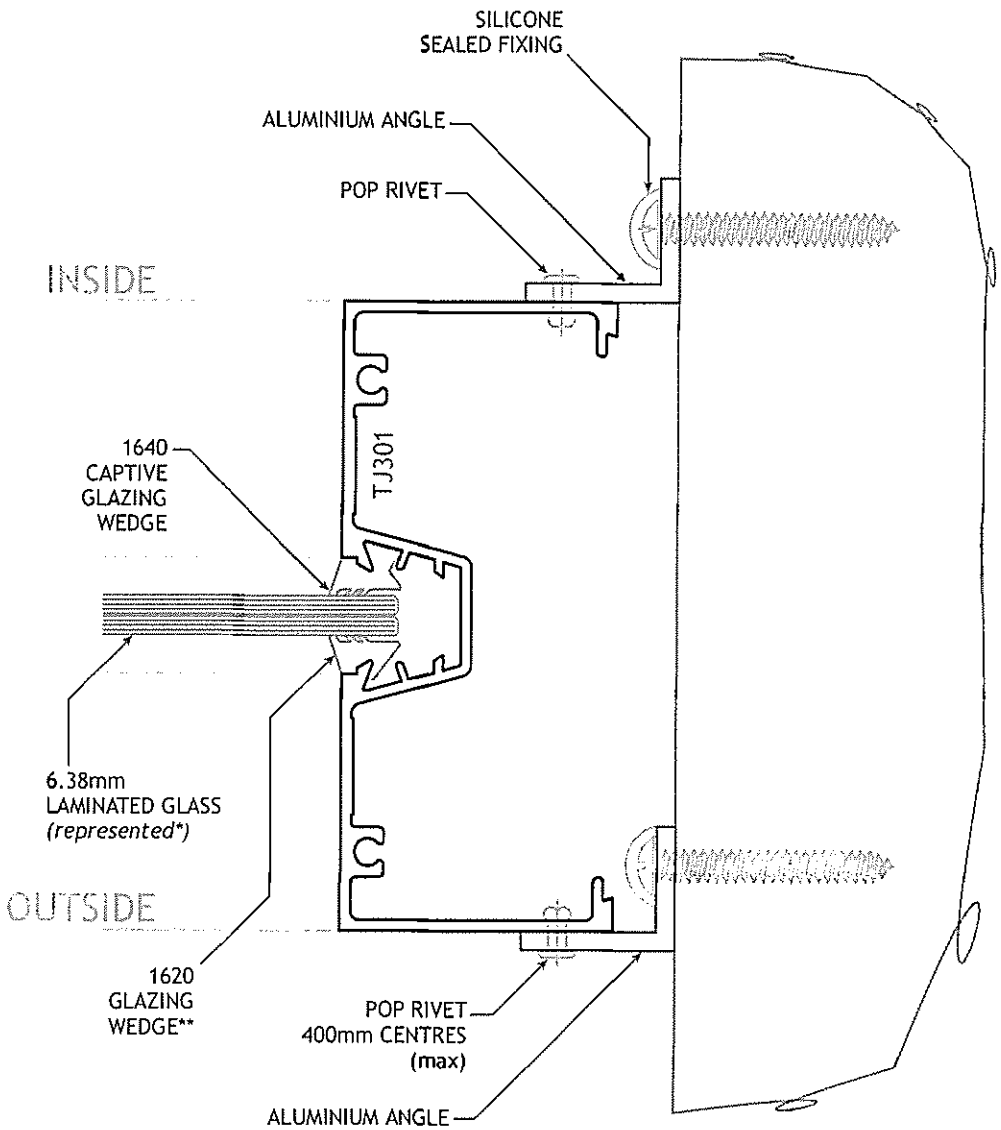
N.B. All joints need to be sealed with small joint sealer or foam tab option.

DARLEY ALUMINIUM

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

JAMB OPTIONS



6 Jamb Detail

NOTES:

* Glass should be selected according to the product configuration and the site performance factors required. Please refer to AS1288 when selecting your glass requirements.

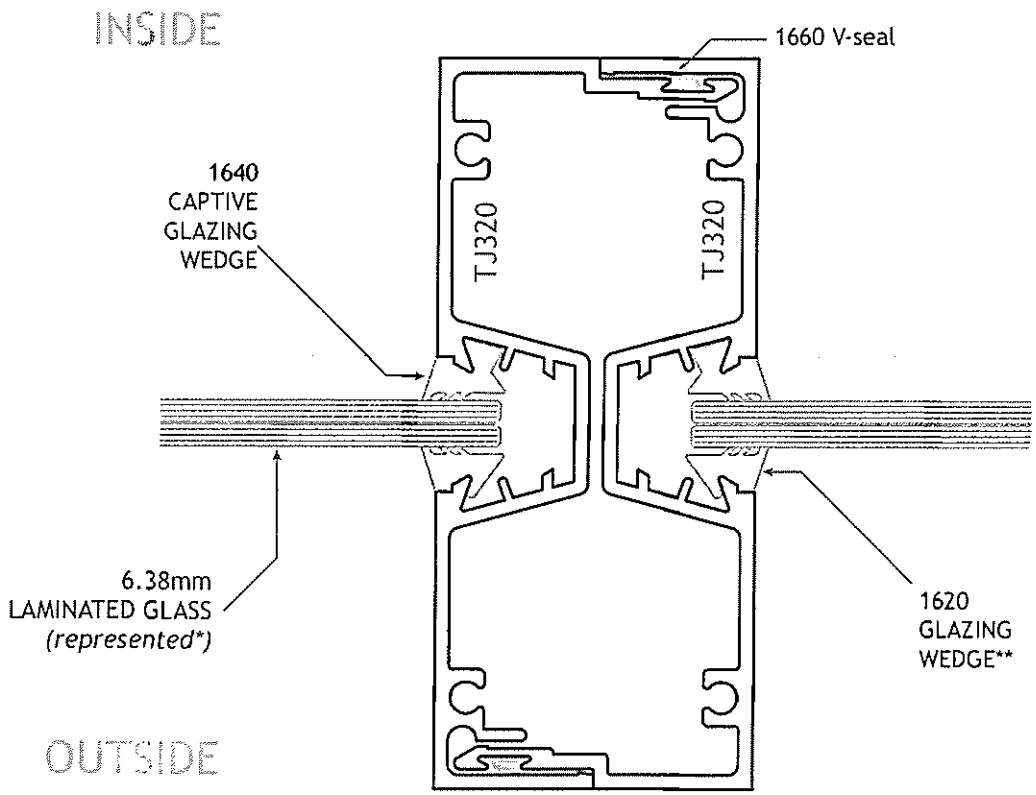
** Refer to Small Parts List.

N.B. All joints need to be sealed with small joint sealer or foam tab option.

DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

MULLION OPTIONS - Light Duty



7 Split Mullion Detail (Light Duty)

NOTES:
* Glass should be selected according to the product configuration and the site performance factors required. Please refer to AS1288 when selecting your glass requirements.

** Refer to Small Parts List.

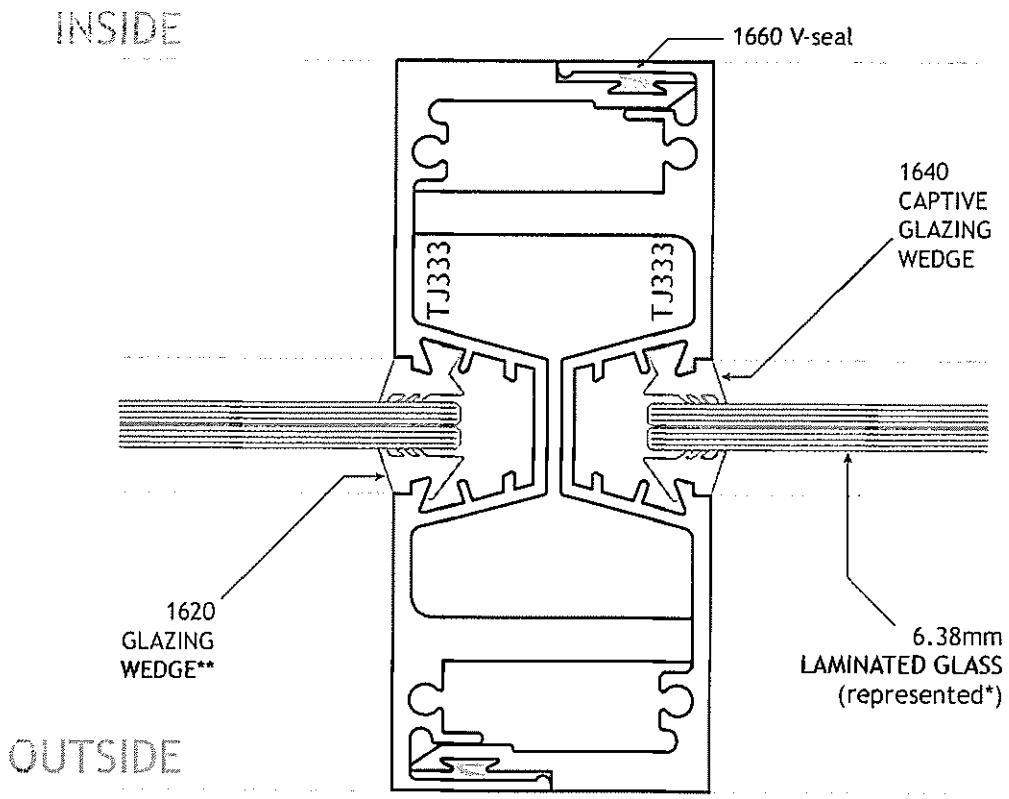
N.B. All joints need to be sealed with small joint sealer or foam tab option.

DARLEY ALUMINIUM

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

MULLION OPTIONS - Heavy Duty



8 Split Mullion Detail (Heavy Duty)

NOTES:

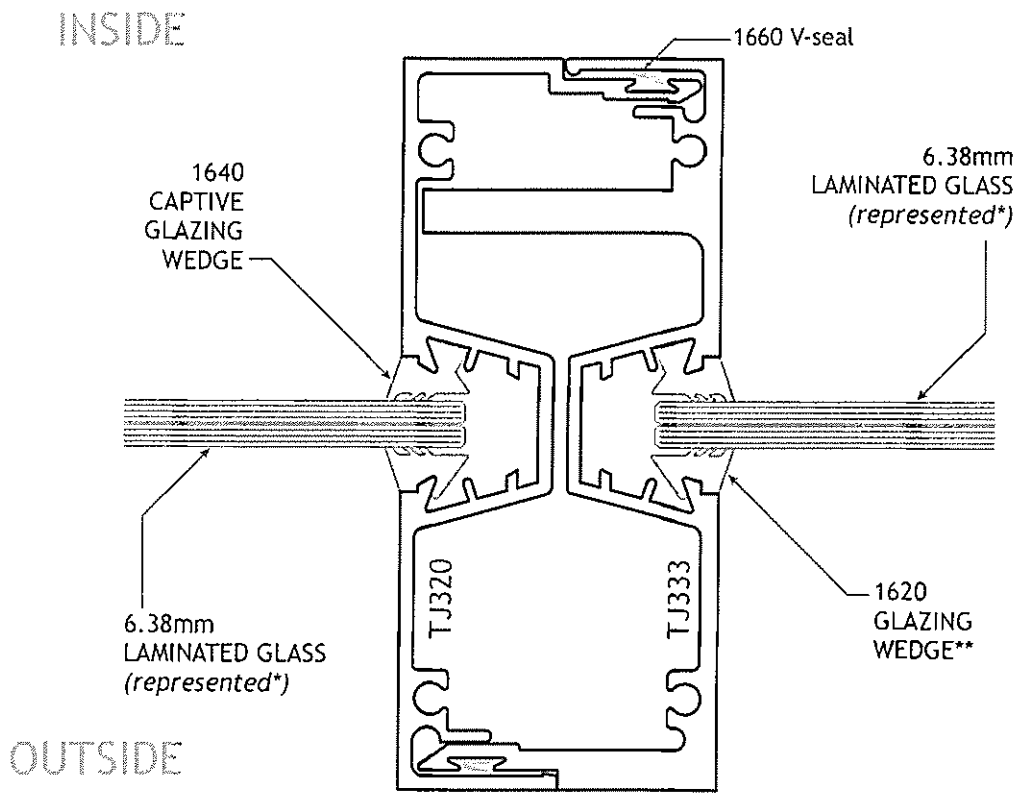
* Glass should be selected according to the product configuration and the site performance factors required. Please refer to AS1288 when selecting your glass requirements.

** Refer to Small Parts List.

N.B. All joints need to be sealed with small joint sealer or foam tab option.

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

MULLION OPTIONS - Light/Heavy Duty



9 Split Mullion Detail
(Light/Heavy Duty)

NOTES:
* Glass should be selected according to the product configuration and the site performance factors required. Please refer to AS1288 when selecting your glass requirements.

** Refer to Small Parts List.

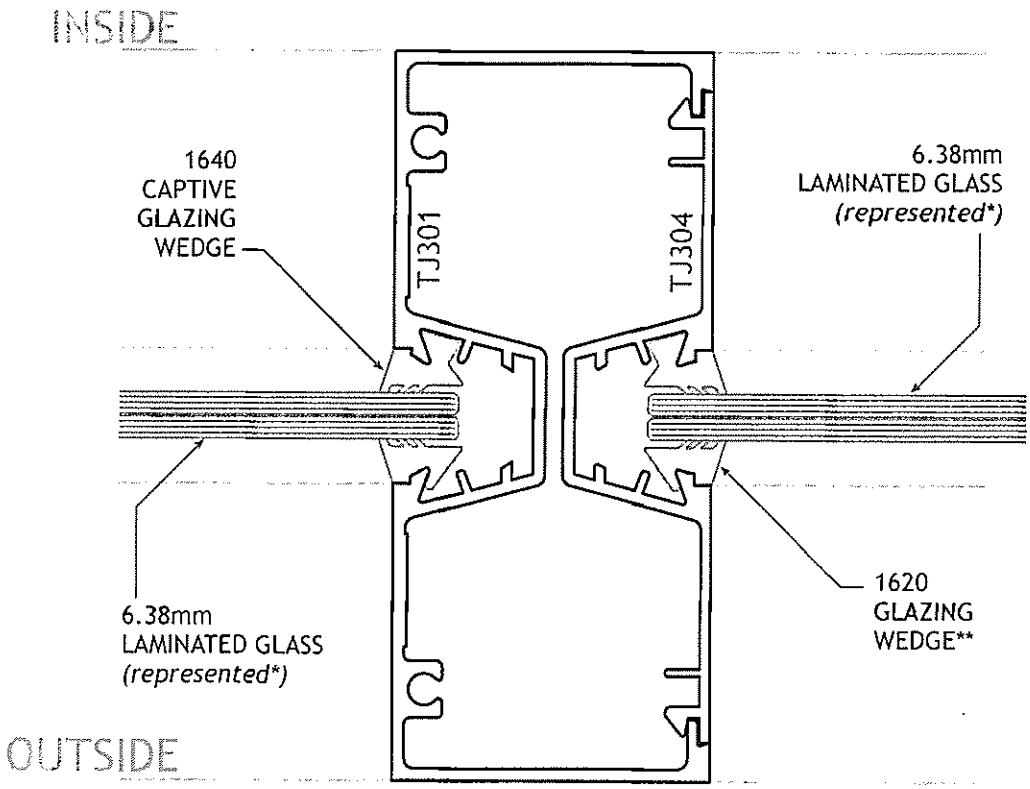
N.B. All joints need to be sealed with small joint sealer or foam tab option.

DARLEY ALUMINIUM

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

MULLION OPTIONS



10 Mullion Detail

NOTES:

* Glass should be selected according to the product configuration and the site performance factors required. Please refer to AS1288 when selecting your glass requirements.

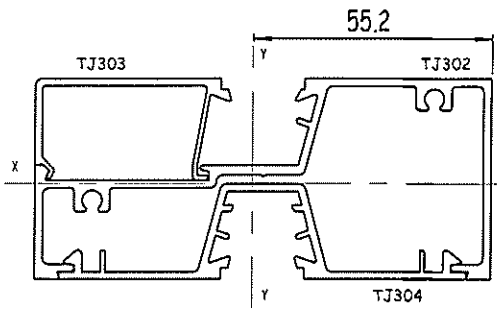
** Refer to Small Parts List.

N.B. All joints need to be sealed with small joint sealer or foam tab option.

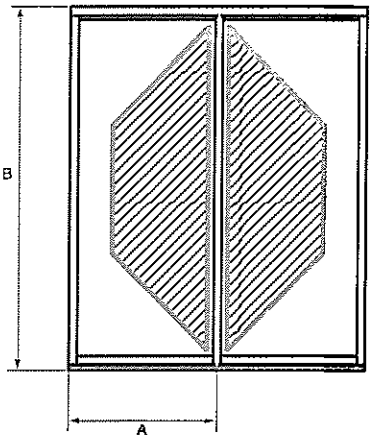
DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

TRANSOM STRENGTH CHARTS - TJ302+TJ303+TJ304



I_{xx} = 97.7 x 10^3mm^4
I_{yy} = 774.2 x 10^3mm^4



S = Serviceability limit state (deflection = L/150, L/180, L/250)
U = Ultimate strength limit state (factored yield strength = 110 MPa)

These tables have been calculated using nominal section properties.
A typical assembly has been tested as per the requirements of AS2047.

Serviceability rating has been limited to 5000 Pa and Ultimate strength rating has been limited to 8000 Pa.

Darley 100 x 45 Centre Glazed	Deflection Ratio's Serviceability =1/150		Serviceability =1/180		Serviceability =1/250		Ultimate = U	Limitations: Serviceability to 5000 Pa & Ultimate to 8000 Pa		Extrusions: TJ302 Plus TJ303 Plus TJ304	
	Glazing Width either side of the mullion in mm (A)										
Window Height (mm) (B)	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
2200	2215	1993	1819	1680	1567	1475	1399	1336	1285	1244	1211
	2215	1993	1819	1680	1567	1475	1399	1336	1285	1244	1211
	2033	1833	1677	1552	1452	1370	1303	1249	1205	1169	1141
	3323	2990	2729	2520	2350	2212	2098	2005	1928	1866	1817
2400	1848	1659	1511	1391	1294	1214	1147	1091	1044	1005	973
	1848	1659	1511	1391	1294	1214	1147	1091	1044	1005	973
	1552	1396	1274	1176	1096	1031	976	931	894	863	837
	2771	2489	2266	2087	1941	1820	1720	1636	1566	1508	1460
2600	1565	1404	1276	1172	1088	1018	959	909	868	832	802
	1565	1404	1276	1172	1088	1018	959	909	868	832	802
	1213	1089	991	913	849	796	752	714	683	657	635
	2348	2105	1914	1759	1632	1527	1438	1364	1301	1248	1203
2800	1344	1203	1092	1002	928	867	815	771	733	701	674
	1341	1203	1092	1002	928	867	815	771	733	701	674
	966	866	787	724	671	628	592	561	535	513	
	2016	1805	1638	1503	1392	1300	1222	1156	1100	1052	1011
3000	1166	1043	946	867	802	748	702	663	629	600	575
	1086	973	883	810	751	701	659	624	593	567	545
	782	700	636	584	541	505					
	1749	1565	1419	1300	1203	1121	1052	994	943	900	863
3200	1022	914	828	758	700	652	611	576	546	520	
	892	798	724	663	614	572	537	507			
	642	574	521								
	1533	1371	1241	1137	1050	978	916	864	819	780	
3400	889	795	721	660	610	568	533	502			
	741	663	601	550	508						
	534										
	1355	1210	1095	1002	925	860	805	758			
3600	747	668	605	553	511						
	623	557	504								
	1206	1077	974	890	821						
3800	634	566	513								
	634	566	513								
	1081	964	872								

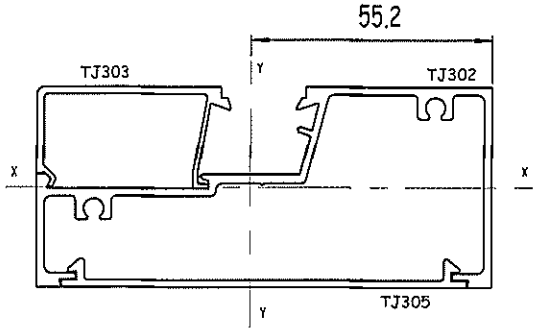
N.B. For values in bold italics use heavy duty subhead/subsill.

DARLEY ALUMINIUM

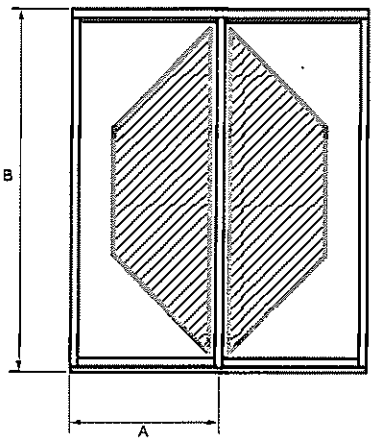
DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

TRANSOM STRENGTH CHARTS - TJ302+TJ303+TJ305



I_{xx} = 84.65 x 10^3mm^4
I_{yy} = 750 x 10^3mm^4



S = Serviceability limit state (deflection = L/150, L/180, L/250)
U = Ultimate strength limit state (factored yield strength = 110 MPa)

These tables have been calculated using nominal section properties.
A typical assembly has been tested as per the requirements of AS2047.

Serviceability rating has been limited to 5000 Pa and Ultimate strength rating has been limited to 8000 Pa.

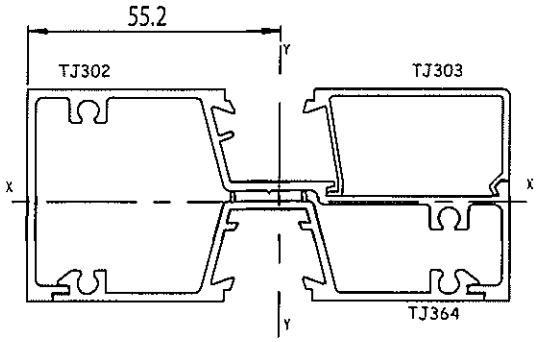
Darley 100 x 45 Centre Glazed	Deflection Ratio's Serviceability =1/150		Serviceability =1/180		Serviceability =1/250		Ultimate = U	Limitations: Serviceability to 5000 Pa & Ultimate to 8000 Pa		Extrusions: TJ302 Plus TJ303 Plus TJ305	
	Glazing Width either side of the mullion in mm (A)										
Window Height (mm) (B)	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
2200	2154	1938	1769	1633	***1524***	***1434***	***1360***	***1299***	***1250***	***1210***	***1178***
	2154	1938	1769	1633	***1524***	***1434***	***1360***	***1299***	***1250***	***1210***	***1178***
	1969	1776	1624	1504	***1407***	***1327***	***1263***	***1210***	***1167***	***1133***	***1106***
	3230	2907	2653	2450	***2285***	***2151***	***2040***	***1949***	***1874***	***1814***	***1767***
2400	1796	1613	1469	***1353***	***1258***	***1180***	***1115***	***1061***	***1015***	***978***	***946***
	1796	1613	1469	***1353***	***1258***	***1180***	***1115***	***1061***	***1015***	***978***	***946***
	1504	1353	1234	***1139***	***1062***	***998***	***946***	***902***	***866***	***836***	***811***
	2695	2420	2203	***2029***	***1887***	***1770***	***1672***	***1591***	***1523***	***1466***	***1419***
2600	1522	1365	***1240***	***1140***	***1058***	***989***	***932***	***884***	***843***	***809***	***780***
	1522	1365	***1240***	***1140***	***1058***	***989***	***932***	***884***	***843***	***809***	***780***
	1175	1055	***960***	***884***	***822***	***771***	***728***	***692***	***662***	***636***	***615***
	2283	2047	***1860***	***1710***	***1587***	***1484***	***1399***	***1326***	***1265***	***1213***	***1169***
2800	1306	***1170***	***1062***	***974***	***903***	***843***	***792***	***750***	***713***	***682***	***655***
	1299	***1165***	***1059***	***974***	***903***	***843***	***792***	***750***	***713***	***682***	***655***
	936	***839***	***763***	***701***	***650***	***608***	***573***	***543***	***518***		
	1960	***1755***	***1593***	***1462***	***1354***	***1264***	***1188***	***1124***	***1070***	***1023***	***983***
3000	1134	***1015***	***920***	***843***	***780***	***727***	***682***	***644***	***612***	***583***	***559***
	1052	***942***	***855***	***785***	***727***	***679***	***639***	***604***	***575***	***549***	***528***
	757	***678***	***616***	***565***	***524***						
	1701	***1522***	***1380***	***1264***	***1169***	***1090***	***1023***	***966***	***917***	***875***	***839***
3200	***994***	***888***	***805***	***737***	***681***	***634***	***594***	***560***	***531***	***505***	
	864	***773***	***701***	***643***	***594***	***554***	***520***				
	622	***557***	***505***								
	1491	***1332***	***1207***	***1105***	***1021***	***950***	***891***	***840***	***796***	***758***	
3400	***862***	***770***	***698***	***639***	***591***	***550***	***516***				
	718	***642***	***582***	***533***							
	517										
	1317	***1177***	***1065***	***974***	***899***	***836***	***783***				
3600	***724***	***647***	***586***	***536***							
	603	***539***									
	1173	***1047***	***947***	***866***							
3800	***614***	***549***									
	614	***549***									
	1051	***938***									

N.B. For values in bold italics use heavy duty subhead/subsill.

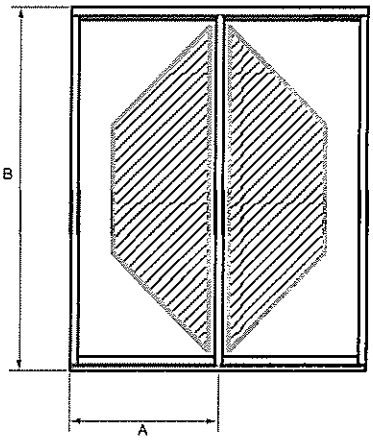
DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

TRANSOM STRENGTH CHARTS - TJ302+TJ303+TJ364



I_{xx} = 98.9 x 10^3mm^4
I_{yy} = 801.3 x 10^3mm^4



S = Serviceability limit state (deflection = L/150, L/180, L/250)
U = Ultimate strength limit state (factored yield strength = 110 MPa)

These tables have been calculated using nominal section properties.
A typical assembly has been tested as per the requirements of AS2047.

Serviceability rating has been limited to 5000 Pa and Ultimate strength rating has been limited to 8000 Pa.

Darley 100 x 45 Centre Glazed	Deflection Ratio's Serviceability =1/150		Serviceability =1/180		Serviceability =1/250		Ultimate = U	Limitations: Serviceability to 5000 Pa & Ultimate to 8000 Pa		Extrusions: TJ302 Plus TL303 Plus TJ364	
	Glazing Width either side of the mullion in mm (A)										
Window Height (mm) (B)	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
2200	2301	2071	1890	1745	***1628***	***1532***	***1453***	***1388***	***1335***	***1292***	***1258***
	2301	2071	1890	1745	***1628***	***1532***	***1453***	***1388***	***1335***	***1292***	***1258***
	2104	1897	1736	1607	***1503***	***1418***	***1349***	***1293***	***1247***	***1210***	***1181***
	3451	3106	2835	2618	***2442***	***2298***	***2179***	***2082***	***2003***	***1938***	***1887***
2400	1919	1724	1569	***1445***	***1344***	***1261***	***1191***	***1133***	***1085***	***1044***	***1011***
	1919	1724	1569	***1445***	***1344***	***1261***	***1191***	***1133***	***1085***	***1044***	***1011***
	1606	1445	1319	***1217***	***1134***	***1067***	***1010***	***964***	***925***	***893***	***867***
	2879	2585	2354	***2168***	***2016***	***1891***	***1787***	***1700***	***1627***	***1567***	***1516***
2600	1626	1458	***1325***	***1218***	***1130***	***1057***	***996***	***945***	***901***	***864***	***833***
	1626	1458	***1325***	***1218***	***1130***	***1057***	***996***	***945***	***901***	***864***	***833***
	1255	1127	***1026***	***945***	***879***	***824***	***778***	***739***	***707***	***680***	***657***
	2439	2187	***1988***	***1827***	***1695***	***1586***	***1494***	***1417***	***1352***	***1296***	***1249***
2800	1396	***1250***	***1134***	***1041***	***964***	***900***	***846***	***801***	***762***	***728***	***700***
	1388	***1245***	***1132***	***1040***	***964***	***900***	***846***	***801***	***762***	***728***	***700***
	1000	***896***	***815***	***749***	***695***	***650***	***612***	***581***	***554***	***530***	***511***
	2094	***1875***	***1702***	***1562***	***1446***	***1350***	***1270***	***1201***	***1143***	***1093***	***1050***
3000	1212	***1084***	***983***	***901***	***833***	***776***	***729***	***688***	***653***	***623***	***597***
	1124	***1007***	***914***	***839***	***777***	***726***	***682***	***645***	***614***	***587***	***564***
	809	***725***	***658***	***604***	***559***	***522***					
	1817	***1626***	***1474***	***1351***	***1249***	***1165***	***1093***	***1032***	***980***	***935***	***896***
3200	***1062***	***949***	***860***	***787***	***727***	***677***	***635***	***598***	***567***	***540***	***517***
	923	***826***	***749***	***687***	***635***	***592***	***556***	***525***			
	664	***595***	***539***								
	1593	***1424***	***1289***	***1181***	***1091***	***1015***	***952***	***897***	***851***	***810***	***775***
3400	***921***	***823***	***746***	***683***	***631***	***588***	***551***	***520***			
	767	***686***	***622***	***569***	***526***						
	552										
	1407	***1257***	***1138***	***1041***	***961***	***894***	***837***	***788***			
3600	***774***	***691***	***626***	***573***	***529***						
	645	***576***	***522***								
	1253	***1118***	***1012***	***925***	***853***						
3800	***656***	***586***	***530***								
	656	***586***	***530***								
	1122	***1002***	***906***								

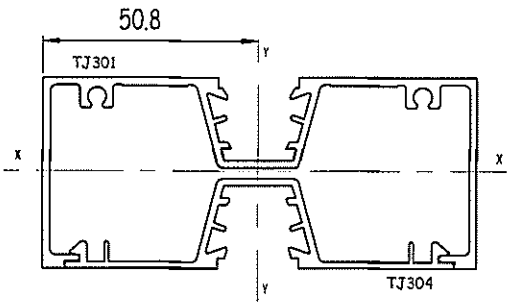
N.B. For values in bold italics use heavy duty subhead/subsill.

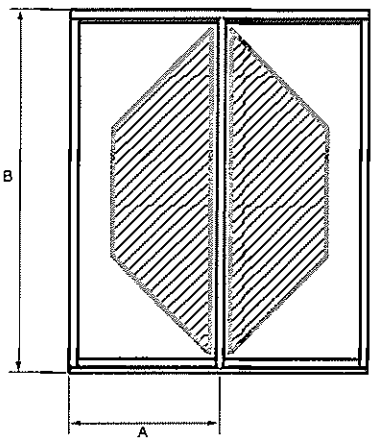
DARLEY ALUMINIUM

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

MULLION STRENGTH CHARTS - TJ301+TJ304





I_{xx} = 111.6 x 10^3mm^4
I_{yy} = 835.9 x 10^3mm^4

S = Serviceability limit state (deflection = L/150, L/180, L/250)
U = Ultimate strength limit state (factored yield strength = 110 MPa)

These tables have been calculated using nominal section properties.
A typical assembly has been tested as per the requirements of AS2047.

Serviceability rating has been limited to 5000 Pa and Ultimate strength rating has been limited to 8000 Pa.

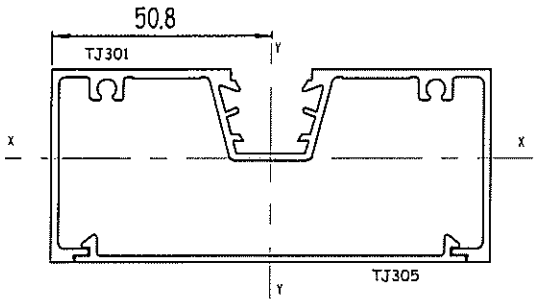
Darley 100 x 45 Centre Glazed	Deflection Ratio's Serviceability =1/150	Serviceability =1/180	Serviceability =1/250	Ultimate = U	Limitations: Serviceability to 5000 Pa & Ultimate to 8000 Pa	Extrusions: TJ301 Plus TJ304				
	Glazing Width either side of the mullion in mm (A)										
Window Height (mm) (B)	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
2200	2608	2347	2142	1978	*1845*	*1736*	*1647*	*1574*	*1513*	*1465*	*1426*
	2608	2347	2142	1978	*1845*	*1736*	*1647*	*1574*	*1513*	*1465*	*1426*
	2195	1979	1811	1676	*1568*	*1479*	*1407*	*1348*	*1301*	*1262*	*1232*
	3912	3521	3213	2967	*2768*	*2605*	*2470*	*2360*	*2270*	*2197*	*2140*
2400	2176	1954	1779	*1638*	*1524*	*1429*	*1350*	*1285*	*1230*	*1184*	*1146*
	2176	1954	1779	*1638*	*1524*	*1429*	*1350*	*1285*	*1230*	*1184*	*1146*
	1676	1508	1376	*1270*	*1183*	*1113*	*1054*	*1005*	*965*	*932*	*904*
	3263	2931	2668	*2457*	*2285*	*2143*	*2025*	*1927*	*1844*	*1776*	*1719*
2600	1843	1653	*1502*	*1381*	*1281*	*1198*	*1129*	*1071*	*1021*	*980*	*944*
	1818	1633	*1487*	*1369*	*1273*	*1193*	*1127*	*1071*	*1021*	*980*	*944*
	1309	1176	*1071*	*986*	*917*	*859*	*811*	*771*	*738*	*709*	*685*
	2765	2479	*2253*	*2071*	*1921*	*1798*	*1694*	*1606*	*1532*	*1469*	*1416*
2800	1582	*1417*	*1286*	*1180*	*1093*	*1020*	*959*	*908*	*864*	*826*	*793*
	1448	*1299*	*1180*	*1085*	*1007*	*942*	*887*	*841*	*802*	*769*	*740*
	1043	*935*	*850*	*781*	*725*	*678*	*639*	*606*	*577*	*553*	*533*
	2373	*2125*	*1929*	*1770*	*1640*	*1531*	*1439*	*1362*	*1295*	*1239*	*1190*
3000	1373	*1229*	*1114*	*1021*	*944*	*880*	*826*	*780*	*741*	*707*	*677*
	1172	*1050*	*953*	*875*	*811*	*757*	*712*	*673*	*640*	*612*	*588*
	844	*756*	*686*	*630*	*584*	*545*	*512*				
	2060	*1843*	*1671*	*1531*	*1416*	*1320*	*1239*	*1170*	*1111*	*1060*	*1016*
3200	*1155*	*1034*	*937*	*859*	*795*	*741*	*696*	*657*	*624*	*595*	*571*
	963	*861*	*781*	*716*	*663*	*618*	*580*	*548*	*520*		
	693	*620*	*562*	*516*							
	1805	*1614*	*1462*	*1338*	*1236*	*1151*	*1079*	*1017*	*964*	*918*	*878*
3400	*960*	*859*	*778*	*713*	*659*	*613*	*575*	*542*	*514*		
	800	*716*	*648*	*594*	*549*	*511*					
	576	*515*									
	1595	*1425*	*1290*	*1180*	*1089*	*1013*	*948*	*893*	*845*		
3600	*807*	*721*	*653*	*598*	*552*	*513*					
	673	*601*	*544*								
	1420	*1268*	*1147*	*1048*	*967*	*899*					
3800	*685*	*612*	*553*	*506*							
	685	*612*	*553*	*506*							
	1272	*1135*	*1026*	*938*							

N.B. For values in bold italics use heavy duty subhead/subsill.

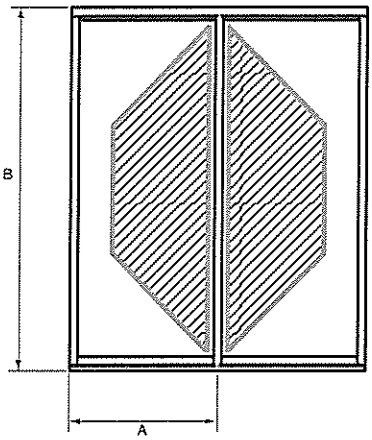
DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

MULLION STRENGTH CHARTS - TJ301+TJ305



$I_{xx} = 98.55 \times 10^3 mm^4$
$I_{yy} = 811.7 \times 10^3 mm^4$



S = Serviceability limit state (deflection = L/150, L/180, L/250)
U = Ultimate strength limit state (factored yield strength = 110 MPa)

These tables have been calculated using nominal section properties.
A typical assembly has been tested as per the requirements of AS2047.

Serviceability rating has been limited to 5000 Pa and Ultimate strength rating has been limited to 8000 Pa.

Darley 100 x 45 Centre Glazed	Deflection Ratio's Serviceability =1/150		Serviceability =1/180		Serviceability =1/250		Ultimate = U	Limitations: Serviceability to 5000 Pa & Ultimate to 8000 Pa		Extrusions: TJ301 Plus TJ305	
	Glazing Width either side of the mullion in mm (A)										
Window Height (mm) (B)	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
2200	2533	2279	2080	1921	1792	1686	1599	1528	1470	1422	1385
	2533	2279	2080	1921	1792	1686	1599	1528	1470	1422	1385
	2131	1922	1758	1628	1522	1437	1367	1309	1263	1226	1197
	3799	3419	3120	2881	2687	2529	2399	2292	2204	2134	2078
2400	2113	1897	1727	1591	1479	1388	1311	1247	1194	1150	1113
	2113	1897	1727	1591	1479	1388	1311	1247	1194	1150	1113
	1627	1464	1336	1233	1149	1080	1024	976	937	905	878
	3169	2846	2591	2386	2219	2081	1967	1871	1791	1724	1669
2600	1790	1605	1459	1341	1244	1164	1096	1040	992	951	917
	1766	1586	1444	1329	1236	1159	1094	1040	992	951	917
	1271	1142	1040	957	890	834	788	749	716	689	665
	2685	2407	2188	2011	1866	1745	1645	1560	1488	1427	1375
2800	1536	1376	1249	1146	1061	991	932	881	839	802	770
	1406	1261	1146	1054	978	915	862	817	779	746	719
	1013	908	825	759	704	658	620	588	561	537	517
	2305	2064	1873	1719	1592	1486	1398	1322	1258	1203	1156
3000	1334	1193	1082	991	917	855	802	757	719	686	658
	1138	1020	926	850	787	735	691	654	622	595	571
	820	734	667	612	567	529					
	2000	1790	1622	1487	1375	1282	1203	1136	1079	1029	986
3200	1122	1004	910	835	772	720	676	638	606	578	554
	935	837	759	695	643	600	563	532	505	482	462
	673	602	546	501							
	1753	1567	1419	1299	1201	1118	1048	988	936	892	853
3400	933	834	756	692	639	596	558	527			
	777	695	630	577	533						
	560	500									
	1549	1384	1252	1146	1058	984	921	867			
3600	784	700	634	580	536						
	653	584	528								
	1379	1231	1114	1018	939						
3800	665	594	537								
	665										
	1235	1103	997								

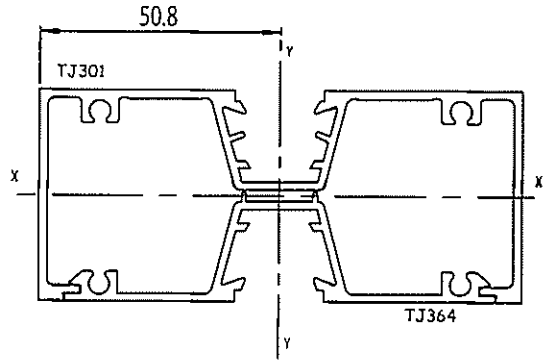
N.B. For values in bold italics use heavy duty subhead/subsill.

DARLEY ALUMINIUM

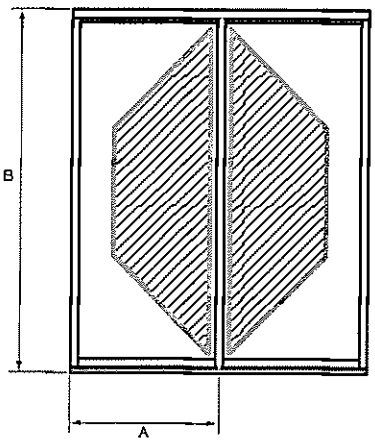
DATE: APR - 2009 - V2
REPLACES: APR - 2009 - V1
DWG SCALE: Not to Scale

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

MULLION STRENGTH CHARTS - TJ301+TJ364



I_{xx} = 112.8 x 10^3mm^4
I_{yy} = 863.0 x 10^3mm^4



S = Serviceability limit state (deflection = L/150, L/180, L/250)
U = Ultimate strength limit state (factored yield strength = 110 MPa)

These tables have been calculated using nominal section properties.
A typical assembly has been tested as per the requirements of AS2047.

Serviceability rating has been limited to 5000 Pa and Ultimate strength rating has been limited to 8000 Pa.

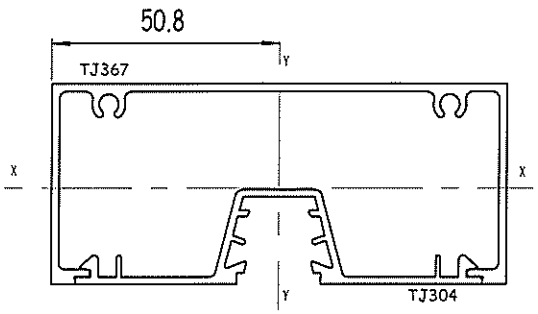
Darley 100 x 45 Centre Glazed	Deflection Ratio's Serviceability =1/150		Serviceability =1/180		Serviceability =1/250		Ultimate = U	Limitations: Serviceability to 5000 Pa & Ultimate to 8000 Pa		Extrusions: TJ301 Plus TJ364	
	Glazing Width either side of the mullion in mm (A)										
Window Height (mm) (B)	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
2200	2693	2423	2211	2042	***1905***	***1793***	***1700***	***1625***	***1562***	***1512***	***1473***
	2693	2423	2211	2042	***1905***	***1793***	***1700***	***1625***	***1562***	***1512***	***1473***
	2266	2043	1869	1731	***1619***	***1527***	***1453***	***1392***	***1343***	***1303***	***1272***
	4039	3635	3317	3063	***2857***	***2689***	***2551***	***2437***	***2344***	***2268***	***2209***
2400	2246	2017	1837	***1691***	***1573***	***1475***	***1394***	***1326***	***1269***	***1222***	***1183***
	2246	2017	1837	***1691***	***1573***	***1475***	***1394***	***1326***	***1269***	***1222***	***1183***
	1730	1557	1420	***1311***	***1222***	***1149***	***1088***	***1038***	***996***	***962***	***933***
	3369	3026	2755	***2537***	***2359***	***2213***	***2091***	***1989***	***1904***	***1833***	***1775***
2600	1903	1706	***1551***	***1425***	***1323***	***1237***	***1166***	***1106***	***1055***	***1011***	***975***
	1877	1686	***1535***	***1414***	***1314***	***1232***	***1164***	***1106***	***1055***	***1011***	***975***
	1352	1214	***1105***	***1018***	***946***	***887***	***838***	***796***	***761***	***732***	***707***
	2854	2559	***2326***	***2138***	***1984***	***1856***	***1749***	***1658***	***1582***	***1517***	***1462***
2800	1633	***1463***	***1328***	***1218***	***1128***	***1054***	***991***	***937***	***892***	***853***	***819***
	1495	***1341***	***1219***	***1120***	***1039***	***972***	***916***	***868***	***828***	***793***	***764***
	1077	***965***	***878***	***807***	***748***	***700***	***660***	***625***	***596***	***571***	***550***
	2450	***2194***	***1992***	***1828***	***1693***	***1580***	***1486***	***1406***	***1337***	***1279***	***1229***
3000	1418	***1268***	***1150***	***1054***	***975***	***909***	***853***	***805***	***765***	***729***	***699***
	1210	***1084***	***984***	***903***	***837***	***781***	***735***	***695***	***661***	***632***	***607***
	872	***781***	***709***	***650***	***603***	***563***	***529***	***500***			
	2127	***1903***	***1725***	***1581***	***1462***	***1363***	***1279***	***1208***	***1147***	***1094***	***1049***
3200	***1193***	***1067***	***968***	***887***	***821***	***765***	***719***	***679***	***644***	***615***	***589***
	994	***889***	***807***	***739***	***684***	***638***	***599***	***566***	***537***	***512***	
	716	***640***	***581***	***532***							
	1864	***1666***	***1509***	***1382***	***1276***	***1188***	***1114***	***1050***	***995***	***948***	***907***
3400	***991***	***887***	***803***	***736***	***680***	***633***	***594***	***560***	***531***	***506***	
	826	***739***	***669***	***613***	***567***	***528***					
	595	***532***									
	1647	***1471***	***1332***	***1218***	***1124***	***1046***	***979***	***922***	***873***	***830***	
3600	***833***	***745***	***674***	***617***	***570***	***530***					
	694	***620***	***562***	***514***							
	500										
	1466	***1309***	***1184***	***1082***	***998***	***928***					
3800	***707***	***631***	***571***	***522***							
	707	***631***	***571***	***522***							
	1314	***1172***	***1060***	***968***							

N.B. For values in bold italics use heavy duty subhead/subsill.

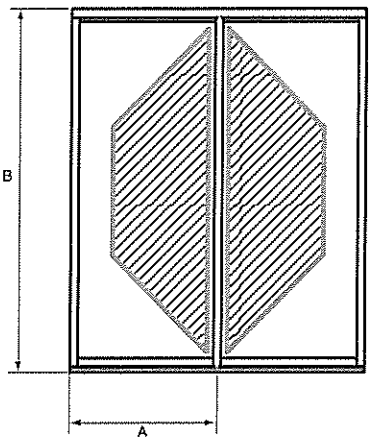
DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

MULLION STRENGTH CHARTS - TJ367+TJ304



I_{xx} = 108.7 x 10^3mm^4
I_{yy} = 808.3 x 10^3mm^4



S = Serviceability limit state (deflection = L/150, L/180, L/250)
U = Ultimate strength limit state (factored yield strength = 110 MPa)

These tables have been calculated using nominal section properties.
A typical assembly has been tested as per the requirements of AS2047.

Serviceability rating has been limited to 5000 Pa and Ultimate strength rating has been limited to 8000 Pa.

Darley 100 x 45 Centre Glazed	Deflection Ratio's Serviceability =1/150		Serviceability =1/180		Serviceability =1/250		Ultimate = U	Limitations: Serviceability to 5000 Pa & Ultimate to 8000 Pa		Extrusions: TJ367 Plus TJ304	
	Glazing Width either side of the mullion in mm (A)										
Window Height (mm) (B)	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
2200	2522	2270	2071	1913	1784	1679	1593	1522	1463	1416	1379
	2522	2270	2071	1913	1784	1679	1593	1522	1463	1416	1379
	2122	1914	1751	1621	1516	1431	1361	1304	1258	1221	1192
	3783	3404	3107	2869	2676	2519	2389	2282	2195	2125	2069
2400	2104	1889	1720	1584	1473	1382	1306	1242	1189	1145	1108
	2104	1889	1720	1584	1473	1382	1306	1242	1189	1145	1108
	1620	1458	1330	1228	1144	1076	1019	972	933	901	874
	3156	2834	2580	2376	2210	2073	1959	1863	1784	1717	1662
2600	1782	1598	1452	1335	1239	1159	1092	1035	988	947	913
	1758	1579	1438	1324	1231	1154	1090	1035	988	947	913
	1266	1137	1035	953	886	831	785	746	713	686	662
	2674	2397	2179	2002	1858	1738	1638	1553	1482	1421	1370
2800	1530	1370	1244	1141	1057	987	928	878	835	798	767
	1400	1256	1142	1049	974	911	858	813	775	743	716
	1008	904	822	755	701	656	618	586	558	535	515
	2295	2055	1865	1712	1585	1480	1392	1317	1253	1198	1151
3000	1328	1188	1077	987	913	851	799	754	716	683	655
	1134	1016	922	846	784	732	688	651	619	592	569
	816	731	664	609	564	527					
	1992	1782	1616	1481	1370	1277	1198	1131	1074	1025	982
3200	1117	1000	907	831	769	717	673	636	603	576	552
	931	833	755	693	641	597	561	530	503		
	670	600	544								
	1746	1560	1413	1294	1196	1113	1043	984	932	888	849
3400	929	830	752	689	637	593	556	524			
	774	692	627	574	531						
	557										
	1543	1378	1247	1141	1053	979	917	864			
3600	780	697	631	578	533						
	650	581	526								
	1373	1226	1109	1014	935						
3800	662	591	535								
	662										
	1230	1098	993								

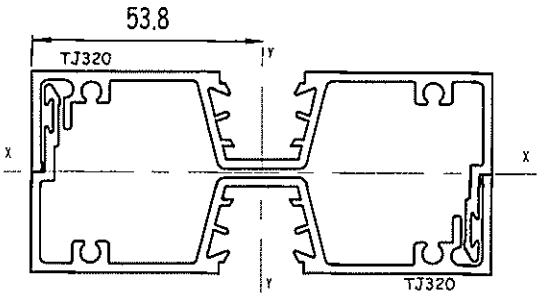
N.B. For values in bold italics use heavy duty subhead/subsill.

DARLEY ALUMINIUM

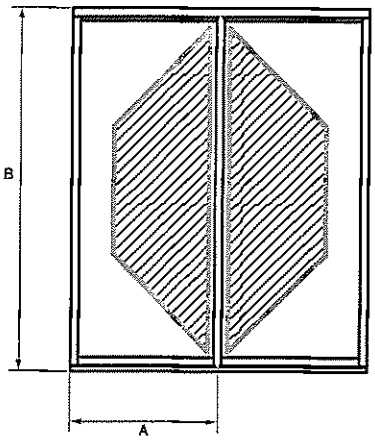
DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

MULLION STRENGTH CHARTS - TJ320+TJ320



I_{xx} = 89.6 x 10^3mm^4
I_{yy} = 1147.8 x 10^3mm^4



S = Serviceability limit state (deflection = L/150, L/180, L/250)
U = Ultimate strength limit state (factored yield strength = 110 MPa)

These tables have been calculated using nominal section properties.
A typical assembly has been tested as per the requirements of AS2047.

Serviceability rating has been limited to 5000 Pa and Ultimate strength rating has been limited to 8000 Pa.

Report no. AZT0003.08 and AZT0004.08

Darley 100 x 45 Centre Glazed	Deflection Ratio's Serviceability =1/150		Serviceability =1/180		Serviceability =1/250		Ultimate = U	Limitations: Serviceability to 5000 Pa & Ultimate to 8000 Pa		Extrusions: TJ320 Plus TJ320	
	Glazing Width either side of the mullion in mm (A)										
Window Height (mm) (B)	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
2200	3382	3043	2777	2565	2392	2251	2135	2040	1962	1899	1849
	3382	3043	2777	2565	2392	2251	2135	2040	1962	1899	1849
	3013	2718	2486	2302	2153	2031	1932	1852	1786	1733	1692
	5072	4565	4166	3847	3588	3377	3203	3060	2943	2849	2774
2400	2821	2533	2306	2124	1975	1853	1751	1666	1594	1535	1486
	2821	2533	2306	2124	1975	1853	1751	1666	1594	1535	1486
	2301	2070	1889	1743	1625	1528	1447	1381	1325	1279	1241
	4231	3800	3460	3186	2963	2779	2626	2498	2391	2302	2229
2600	2390	2143	1948	1790	1661	1554	1464	1388	1324	1270	1224
	2390	2143	1948	1790	1661	1554	1464	1388	1324	1270	1224
	1798	1615	1470	1354	1258	1180	1114	1059	1013	974	941
	3585	3214	2921	2685	2491	2331	2196	2083	1987	1905	1836
2800	2051	1837	1667	1530	1417	1323	1244	1177	1120	1071	1029
	1989	1783	1621	1490	1382	1293	1218	1155	1101	1055	1016
	1432	1284	1167	1073	995	931	877	832	793	760	732
	3077	2756	2501	2295	2126	1985	1866	1765	1679	1606	1543
3000	1781	1593	1444	1324	1224	1141	1071	1011	960	916	878
	1610	1442	1309	1201	1113	1039	977	924	879	841	807
	1159	1038	943	865	801	748	704	666	633	605	581
	2671	2390	2166	1985	1836	1712	1607	1517	1440	1374	1317
3200	1560	1395	1263	1157	1069	995	933	879	833	794	759
	1322	1183	1073	983	910	848	796	752	714	681	653
	952	852	772	708	655	611	573	542	514		
	2341	2092	1895	1735	1603	1492	1399	1319	1250	1190	1139
3400	1319	1179	1068	978	904	842	790	745	706	672	643
	1099	983	890	815	754	702	658	621	588	560	536
	791	707	641	587	543	505					
	2068	1848	1672	1530	1412	1313	1230	1158	1096	1042	995
3600	1108	990	897	820	758	705	660	622	589	560	535
	923	825	747	684	631	587	550	518			
	665	594	538								
	1841	1644	1487	1359	1254	1165	1090	1025	969	921	878
3800	940	840	760	695	641	596	558	525			
	940	840	760	695	641	596	558	525			
	564	504									
	1650	1472	1331	1216	1121	1041	973	914			

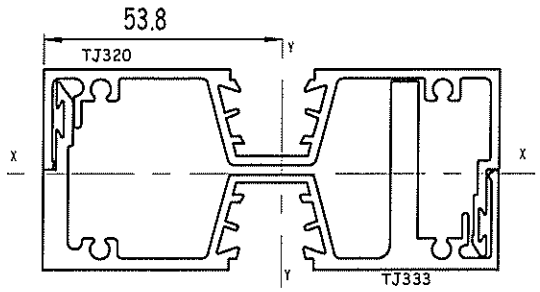
N.B. For values in bold italics use heavy duty subhead/subsill.

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

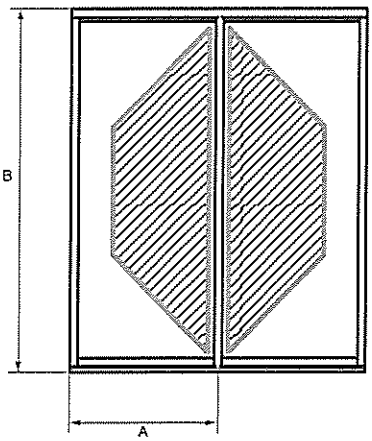
DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

MULLION STRENGTH CHARTS - TJ320+TJ333



I_{xx} = 155 x 10^3mm^4
I_{yy} = 1540 x 10^3mm^4



S = Serviceability limit state (deflection = L/150, L/180, L/250)
U = Ultimate strength limit state (factored yield strength = 110 MPa)

These tables have been calculated using nominal section properties.
A typical assembly has been tested as per the requirements of AS2047.

Serviceability rating has been limited to 5000 Pa and Ultimate strength rating has been limited to 8000 Pa.

Darley 100 x 45 Centre Glazed	Deflection Ratio's Serviceability =1/150	Serviceability =1/180	Serviceability =1/250	Ultimate = U	Limitations: Serviceability to 5000 Pa & Ultimate to 8000 Pa	Extrusions: TJ320 Plus TJ333				
	Glazing Width either side of the mullion in mm (A)									
Window Height (mm) (B)	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
2400	3784	3398	3094	*2850*	*2650*	*2486*	*2349*	*2234*	*2139*	*2059*	*1993*
	3784	3398	3094	*2850*	*2650*	*2486*	*2349*	*2234*	*2139*	*2059*	*1993*
	3087	2778	2534	*2339*	*2180*	*2050*	*1942*	*1852*	*1778*	*1716*	*1665*
	5676	5098	4642	*4275*	*3975*	*3728*	*3523*	*3352*	*3208*	*3089*	*2990*
2600	3206	2875	*2613*	*2401*	*2228*	*2084*	*1964*	*1863*	*1777*	*1704*	*1642*
	3206	2875	*2613*	*2401*	*2228*	*2084*	*1964*	*1863*	*1777*	*1704*	*1642*
	2412	2166	*1972*	*1816*	*1688*	*1583*	*1495*	*1421*	*1359*	*1306*	*1262*
	4809	4312	*3919*	*3602*	*3342*	*3127*	*2946*	*2794*	*2665*	*2556*	*2464*
2800	2752	*2465*	*2237*	*2053*	*1901*	*1775*	*1669*	*1579*	*1502*	*1436*	*1380*
	2668	*2392*	*2175*	*1999*	*1855*	*1735*	*1634*	*1550*	*1477*	*1416*	*1363*
	1921	*1723*	*1566*	*1439*	*1335*	*1249*	*1177*	*1116*	*1064*	*1019*	*982*
	4128	*3697*	*3355*	*3079*	*2852*	*2663*	*2503*	*2368*	*2253*	*2155*	*2070*
3000	2389	*2137*	*1938*	*1776*	*1642*	*1531*	*1437*	*1357*	*1288*	*1229*	*1178*
	2160	*1935*	*1756*	*1612*	*1493*	*1394*	*1311*	*1240*	*1180*	*1128*	*1083*
	1555	*1393*	*1264*	*1161*	*1075*	*1004*	*944*	*893*	*849*	*812*	*780*
	3583	*3206*	*2906*	*2664*	*2464*	*2297*	*2156*	*2035*	*1932*	*1844*	*1767*
3200	*2093*	*1871*	*1695*	*1552*	*1434*	*1335*	*1251*	*1180*	*1118*	*1065*	*1018*
	1773	*1587*	*1439*	*1319*	*1221*	*1138*	*1068*	*1009*	*958*	*914*	*876*
	1277	*1143*	*1036*	*950*	*879*	*819*	*769*	*727*	*690*	*658*	*631*
	3140	*2807*	*2543*	*2328*	*2151*	*2002*	*1877*	*1769*	*1677*	*1597*	*1528*
3400	*1769*	*1582*	*1433*	*1313*	*1213*	*1130*	*1059*	*999*	*947*	*902*	*863*
	1474	*1318*	*1194*	*1094*	*1011*	*942*	*883*	*833*	*789*	*752*	*719*
	1061	*949*	*860*	*788*	*728*	*678*	*636*	*599*	*568*	*541*	*518*
	2775	*2479*	*2244*	*2052*	*1894*	*1762*	*1650*	*1553*	*1470*	*1398*	*1335*
3600	*1487*	*1329*	*1203*	*1101*	*1016*	*946*	*886*	*834*	*790*	*751*	*718*
	1239	*1107*	*1002*	*917*	*847*	*788*	*738*	*695*	*658*	*626*	*598*
	892	*797*	*722*	*660*	*610*	*567*	*531*	*501*			
	2470	*2205*	*1995*	*1824*	*1682*	*1563*	*1462*	*1375*	*1300*	*1235*	*1178*
3800	*1262*	*1127*	*1019*	*932*	*860*	*800*	*748*	*704*	*666*	*633*	*604*
	1051	*939*	*850*	*777*	*717*	*666*	*624*	*587*	*555*	*527*	*503*
	757	*676*	*612*	*559*	*516*						
	2213	*1975*	*1786*	*1631*	*1504*	*1396*	*1305*	*1227*	*1159*	*1099*	*1047*
4000	*1080*	*964*	*872*	*797*	*735*	*682*	*638*	*600*	*567*	*538*	*513*
	1080	*964*	*872*	*797*	*735*	*682*	*638*	*600*	*567*	*538*	*513*
	648	*578*	*523*								
	1994	*1779*	*1608*	*1468*	*1352*	*1255*	*1172*	*1101*	*1039*	*985*	*938*

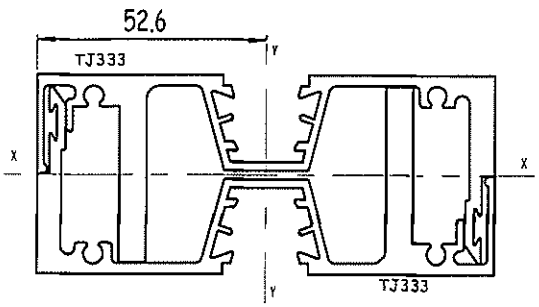
N.B. For values in bold italics use heavy duty subhead/subsill.

DARLEY ALUMINIUM

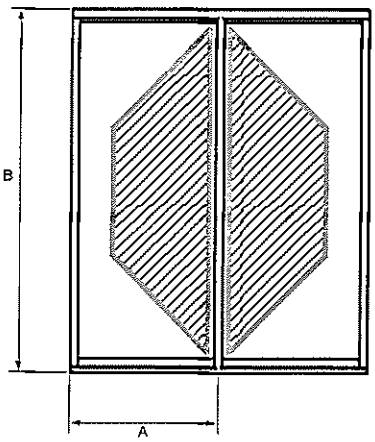
DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

MULLION STRENGTH CHARTS - TJ333+TJ333



I_{xx} = 220.4 x 10^3mm^4
I_{yy} = 1932 x 10^3mm^4



S = Serviceability limit state (deflection = L/150, L/180, L/250)
U = Ultimate strength limit state (factored yield strength = 110 MPa)

These tables have been calculated using nominal section properties.
A typical assembly has been tested as per the requirements of AS2047.

Serviceability rating has been limited to 5000 Pa and Ultimate strength rating has been limited to 8000 Pa.

Report no. AZT0003.08 and AZT0004.08

Darley 100 x 45 Centre Glazed	Deflection Ratio's Serviceability =1/150		Serviceability =1/180		Serviceability =1/250		Ultimate = U	Limitations: Serviceability to 5000 Pa & Ultimate to 8000 Pa		Extrusions: TJ333 Plus TJ333	
	Glazing Width either side of the mullion in mm (A)										
Window Height (mm) (B)	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
2600	4114	3689	3353	3082	2859	2675	2520	2390	2280	2187	2108
	4114	3689	3353	3082	2859	2675	2520	2390	2280	2187	2108
	3026	2718	2474	2278	2118	1986	1875	1783	1705	1639	1583
	6172	5534	5029	4623	4289	4012	3781	3585	3420	3280	3161
2800	3532	3163	2871	2634	2440	2278	2142	2026	1928	1843	1771
	3347	3002	2728	2508	2327	2177	2051	1944	1854	1776	1711
	2410	2161	1964	1806	1675	1567	1476	1400	1335	1279	1232
	5298	4744	4306	3951	3660	3417	3213	3039	2891	2765	2656
3000	3065	2743	2486	2279	2108	1965	1844	1741	1653	1577	1512
	2710	2427	2203	2022	1873	1749	1645	1556	1480	1415	1359
	1951	1748	1586	1456	1349	1260	1184	1120	1066	1019	978
	4598	4114	3730	3418	3161	2947	2766	2612	2480	2366	2267
3200	2670	2389	2167	1986	1838	1713	1606	1514	1435	1366	1307
	2225	1991	1806	1655	1531	1428	1341	1266	1202	1147	1099
	1602	1434	1300	1192	1103	1028	965	912	865	826	791
	4030	3602	3263	2987	2760	2569	2408	2271	2152	2050	1960
3400	2220	1985	1798	1647	1522	1417	1329	1253	1188	1132	1083
	1850	1654	1499	1372	1268	1181	1108	1044	990	943	902
	1332	1191	1079	988	913	850	797	752	713	679	650
	3561	3181	2879	2634	2431	2261	2117	1993	1887	1794	1713
3600	1865	1667	1509	1381	1275	1186	1111	1047	991	943	901
	1554	1389	1258	1151	1063	989	926	872	826	786	750
	1119	1000	905	829	765	712	667	628	595	566	540
	3170	2830	2560	2340	2158	2006	1876	1765	1669	1585	1512
3800	1583	1414	1279	1170	1079	1003	939	883	836	794	758
	1319	1178	1066	975	899	836	782	736	696	662	631
	950	848	767	702	648	602	563	530	501		
	2840	2534	2291	2093	1929	1792	1675	1574	1487	1411	1344
4000	1355	1209	1094	1000	922	856	801	753	711	675	644
	1129	1008	911	833	768	713	667	627	593	563	536
	813	726	656	600	553	514					
	2559	2283	2063	1884	1736	1611	1504	1413	1334	1264	1204
4200	1168	1043	943	861	793	737	688	647	611	579	552
	1168	1043	943	861	793	737	688	647	611	579	552
	701	626	566	517							
	2318	2068	1868	1705	1570	1456	1359	1276	1203	1140	1084

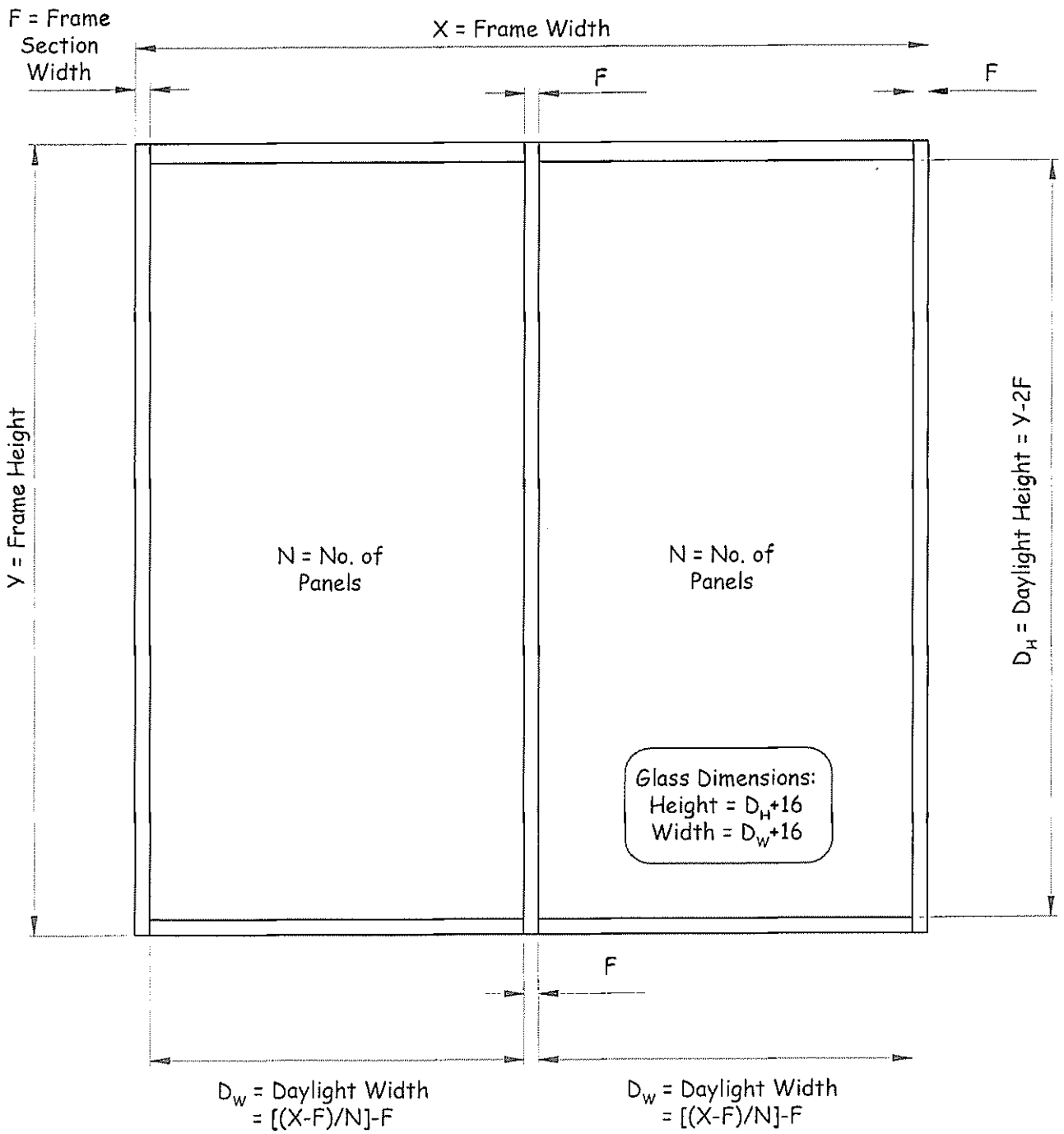
N.B. For values in bold italics use heavy duty subhead/subsill.

DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

CUTTING FORMULAE

The following diagram displays a general window configuration with formulae for calculating the cutting dimensions of frames to fit a given window opening.



DARLEY ALUMINIUM

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

LABORATORY TEST RESULTS

The following data was obtained from the results of the tests on Darley 100x45mm Centre Glazed windows as performed in the Azuma Testing Laboratory (NATA Accredited).

Test Report No: AZT0003.08.xls
Date: 13/02/2008
Mullion Type: Heavy Duty

Test: Wind and Water Penetration Testing
Results: The test unit satisfied the requirements of AS2047.1 in both the positive and negative deflection at the nominated design pressure of 2300Pa.

Test: Air Infiltration Test
Results: The test unit satisfied the requirement of AS2047. Unit passed 75Pa and 150Pa air pressure in the sealed and unsealed states. Results were as follows:

- 0.08L/s.m² @75Pa Positive
- 0.10L/s.m² @75Pa Negative
- 0.10L/s.m² @150Pa Positive
- 0.15L/s.m² @150Pa Negative

Test: Water Penetration
Results: The test unit satisfied the requirements of AS2047 in positive pressure at the nominated design pressure of 500Pa.

Test: Ultimate Strength Test
Results: The test satisfied the requirements of AS2047 at 2500Pa.

Test Report No: AZT0004.08.xls
Date: 20/02/2008
Mullion Type: Light Duty

Test: Wind and Water Penetration Testing
Results: The test unit satisfied the requirements of AS2047.1 in both the positive and negative deflection at the nominated design pressure of 1500Pa.

Test: Air Infiltration Test
Results: The test unit satisfied the requirement of AS 2047. Unit passed 75Pa and 150Pa air pressure in the sealed and unsealed states. Results were as follows:

- 0.16L/s.m² @75Pa Positive
- 0.29L/s.m² @75Pa Negative
- 0.19L/s.m² @150Pa Positive
- 0.40L/s.m² @150Pa Negative

Test: Water Penetration
Results: The test unit satisfied the requirements of AS2047 in positive pressure at the nominated design pressure of 450Pa.

Test: Ultimate Strength Test
Results: The test satisfied the requirements of AS2047 at 2300Pa.

DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

ENERGY RATINGS

All Darley Products have been rated under the Australian Fenestration Ratings Council (AFRC) Energy Rating Scheme.

Definitions

The following are terms used in describing the energy ratings of windows as defined by the Window Energy Rating Scheme (WERS). For further information go to www.wers.net.

U-value (U_w)
U-value measures how well a product prevents heat from escaping. It is a measure of the rate of non solar heat loss or gain through a material or assembly. U-value ratings generally fall between 2.0-10.0 W/m².K for Australian products. The rate of heat is indicated in the terms of the U-value of a window assembly which includes the effect of the frame, glass, seals and any spacers. The lower the U-value, the greater a window's resistance to heat flow and the better its insulating value. The U-value for a window takes account of the various U-values for the components making up the window, so you may see these in technical literature; UW is the value for whole window and because of its importance is usually abbreviated to U, U_c is the value at the centre of glass, U_F is the value for the frame.

Solar Heat Gain Co-efficient ($SHGC_w$)
SHGC measures how well a product blocks heat caused by sunlight. The SHGC is the fraction of incident solar radiation admitted through a window, both directly transmitted, and absorbed and subsequently released inward. SHGC is expressed as a number between 0 and 1. The lower a window's SHGC, the less solar heat it transmits.

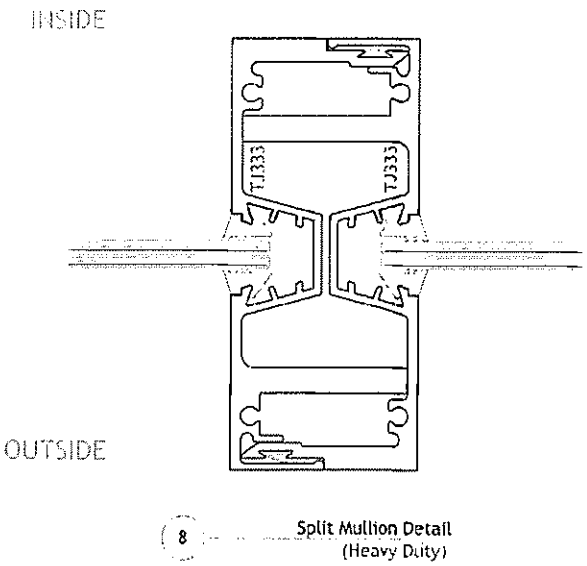
Visible Transmittance (T_{vw})
Visible transmittance measures how much light comes in through a product. It is an optical property that indicates the amount of visible light transmitted. T_{vw} is expressed as a number between 0 and 1. The higher the number, the more light is transmitted.

DARLEY ALUMINIUM

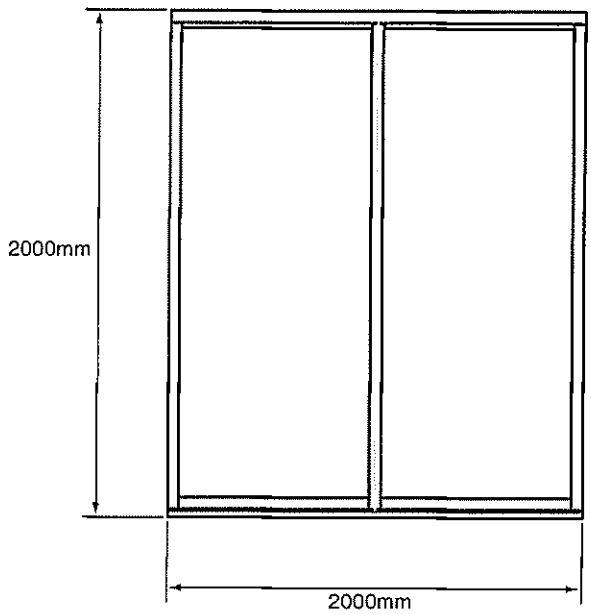
DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

ENERGY RATINGS: Heavy Duty Mullion



8 Split Mullion Detail (Heavy Duty)



Darley Aluminium				%	%	Total Window System Values - NFRC			
Window ID	Glazing	Cooling Stars	Heating Stars			Uw	SHGCw	Tvw	Air Inf.
Aluminium Commercial 101.6mm Centre Glazed-Heavy Duty Mullion - Single Glazed									
DAR_003_01	6Clr	☆	★★★	14%	23%	6.1	0.73	0.78	0.08
DAR_003_02	6TS21	★★★☆	★★	55%	10%	5.3	0.27	0.18	0.08
DAR_003_03	6.38CPNtrl	★★★	★★★☆	47%	34%	4.2	0.45	0.52	0.08
DAR_003_04	6.38CPGn	★★★	★★★☆	48%	34%	4.1	0.45	0.63	0.08
DAR_003_05	6.38CPGy	★★★	★★★☆	49%	34%	4.2	0.44	0.35	0.08
DAR_003_06	6Gy	★★	★★	34%	13%	6.1	0.51	0.39	0.08

NOTES

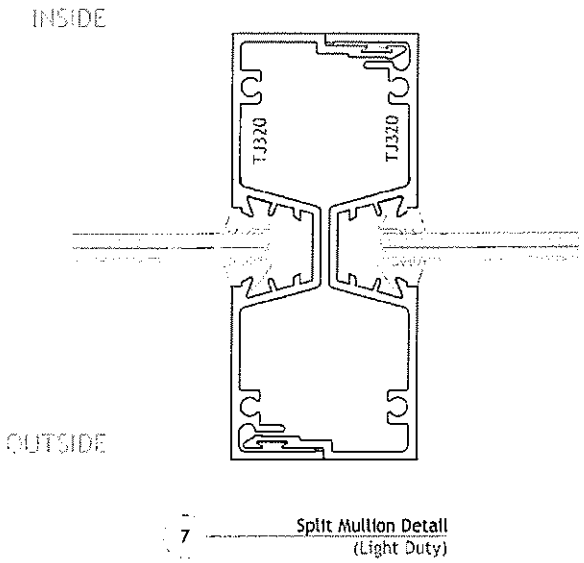
1. U_w is te whole window U-value
2. $SHGC_w$ is the whole window solar heat gain coefficient
3. T_{vw} is the whole window visible (light) transmittance
4. Percentage improvement figures are compared with using base-case Generic Window 1 (3mm clear in standard aluminium frame)
5. A negative percentage improvement figure indicates performance worse than the base-case window
6. A positive percentage improvement figure indicates performance better than the base-case window
7. Maximum air infiltration is 5.0L/s.m² at a positive pressure difference of 75Pa as measured according to AS 2047
8. Static performance (U_w $SHGC_w$ T_{vw} T_{dw}) calculated using Window 5.2 and Therm 5.2 software (LBNL), 2000-2003
9. Annual energy performance (stars and % improvements) calculated using Nationwide House Energy Rating Software (AccuRate)
10. Results disclosed at National Fenestration Rating Council (NFRC) regulations.

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

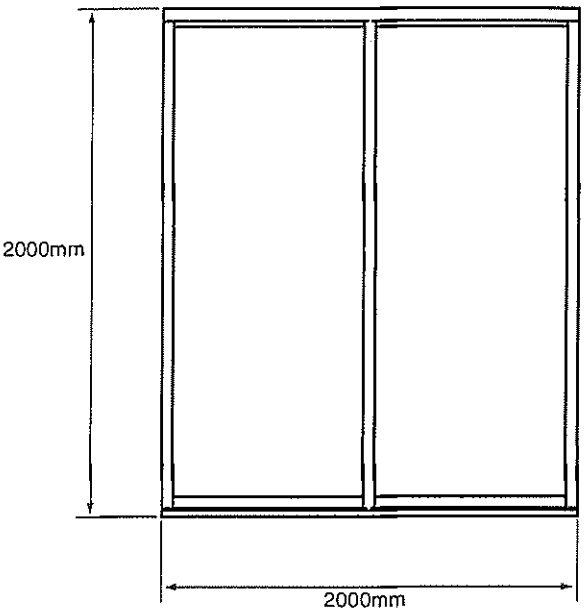
DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

ENERGY RATINGS: Light Duty Mullion



7 Split Mullion Detail (Light Duty)



Darley Aluminium				%	%	Total Window System Values - NFRC			
Window ID	Glazing	Cooling Stars	Heating Stars			Uw	SHGCw	Tvw	Air Inf.
Aluminium Commercial 101.6mm Centre Glazed - Single Glazed									
DAR_002_01	6Clr	☆	★★★	14%	23%	6.1	0.73	0.78	0.16
DAR_002_02	6TS21	★★★☆	★★	55%	10%	5.3	0.27	0.18	0.16
DAR_002_03	6.38CPNtrl	★★★	★★★☆	47%	34%	4.2	0.45	0.52	0.16
DAR_002_04	6.38CPGn	★★★	★★★☆	48%	34%	4.1	0.45	0.63	0.16
DAR_002_05	6.38CPGy	★★★	★★★☆	49%	34%	4.1	0.44	0.35	0.16
DAR_002_06	6Gy	★★	★★	34%	13%	6.1	0.51	0.39	0.16

NOTES

1. U_w is te whole window U-value
2. $SHGC_w$ is the whole window solar heat gain coefficient
3. T_{vw} is the whole window visible (light) transmittance
4. Percentage improvement figures are compared with using base-case Generic Window 1 (3mm clear in standard aluminium frame)
5. A negative percentage improvement figure indicates performance worse than the base-case window
6. A positive percentage improvement figure indicates performance better than the base-case window
7. Maximum air infiltration is 5.0L/s.m² at a positive pressure difference of 75Pa as measured according to AS 2047
8. Static performance (U_w $SHGC_w$ T_{vw} T_{dw}) calculated using Window 5.2 and Therm 5.2 software (LBNL), 2000-2003
9. Annual energy performance (stars and % improvements) calculated using Nationwide House Energy Rating Software (AccuRate)
10. Results disclosed at National Fenestration Rating Council (NFRC) regulations.

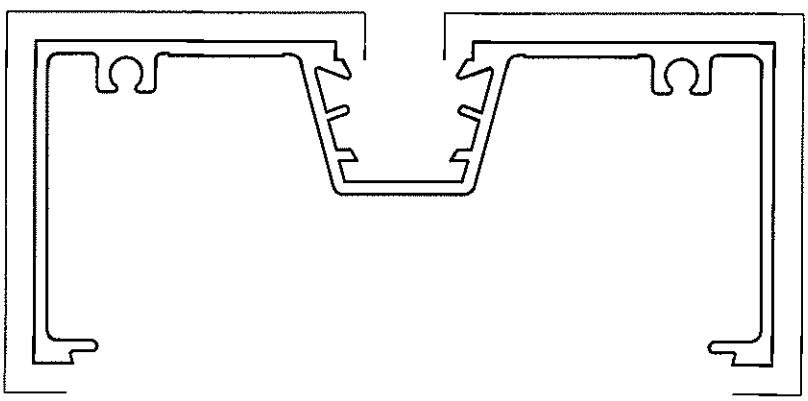
DARLEY ALUMINIUM

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	1:1

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

SECTION PROFILES

P.P.

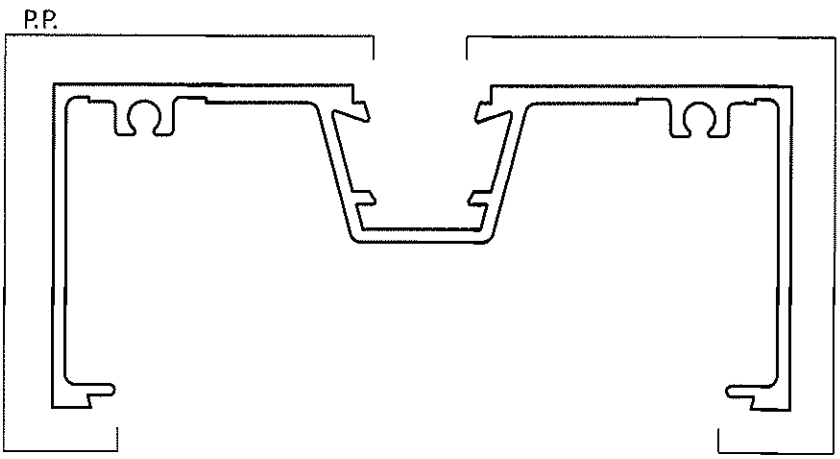


TJ301
Captive Frame

I_{xx} = 98.3 x 10^3mm^4
I_{yy} = 677.9 x 10^3mm^4

A.P. = 541.4mm
P.P. = 187.4mm

P.P.



TJ300
Heavy Duty Frame

I_{xx} = 102.52 x 10^3mm^4
I_{yy} = 715.75 x 10^3mm^4

A.P. = 532mm
P.P. = 190mm

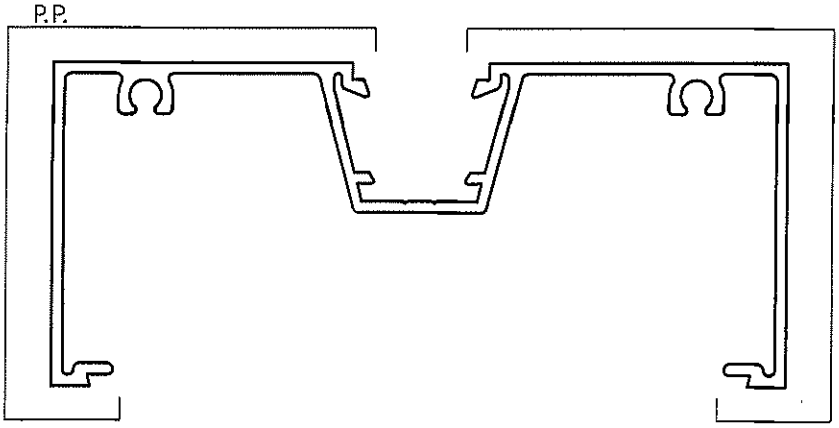
DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	1:1

DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

SECTION PROFILES

P.P.

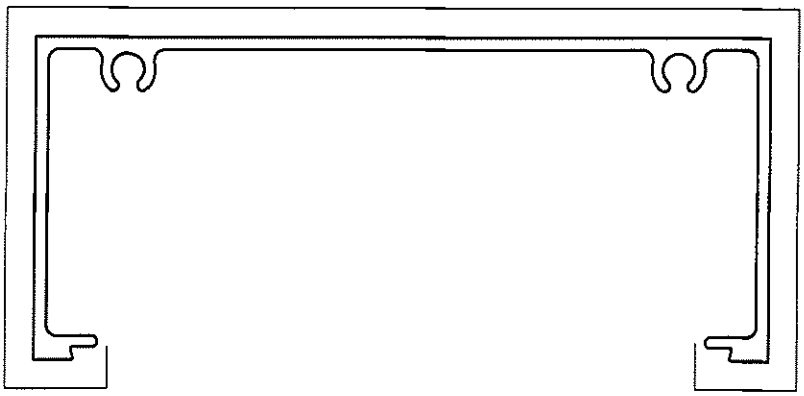


TJ390
Light Duty Frame

I_{xx} = 85.34 x 10^3mm^4
I_{yy} = 593.98 x 10^3mm^4

A.P. = 546mm
P.P. = 182mm

P.P.

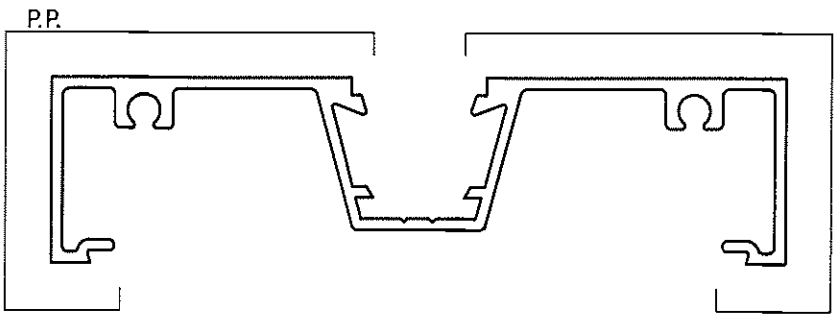


TJ367
Plain Frame

I_{xx} = 95.4 x 10^3mm^4
I_{yy} = 650.3 x 10^3mm^4

A.P. = 439mm
P.P. = 204mm

P.P.



TJ360
Narrow Frame

I_{xx} = 26.41 x 10^3mm^4
I_{yy} = 456.59 x 10^3mm^4

A.P. = 463mm
P.P. = 144mm

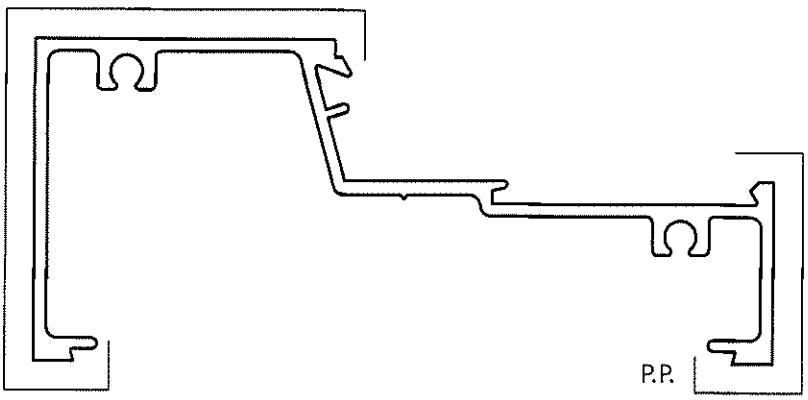
DARLEY ALUMINIUM

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	1:1

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

SECTION PROFILES

P.P.

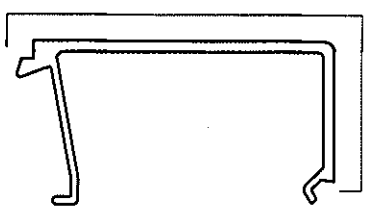


TJ302
Captive Sill

I_{xx} = 78.3 x 10^3mm^4
I_{yy} = 584.7 x 10^3mm^4

A.P. = 455.8mm
P.P. = 129.2mm

P.P.

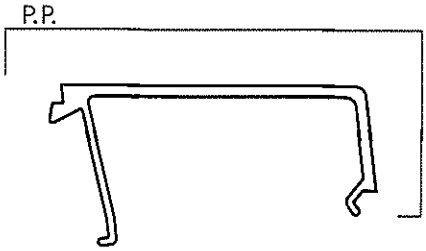


TJ303
Flat Bead

I_{xx} = 6.1 x 10^3mm^4
I_{yy} = 31.5 x 10^3mm^4

A.P. = 180.9mm
P.P. = 62.3mm

P.P.



TJ303B
Sloped Bead

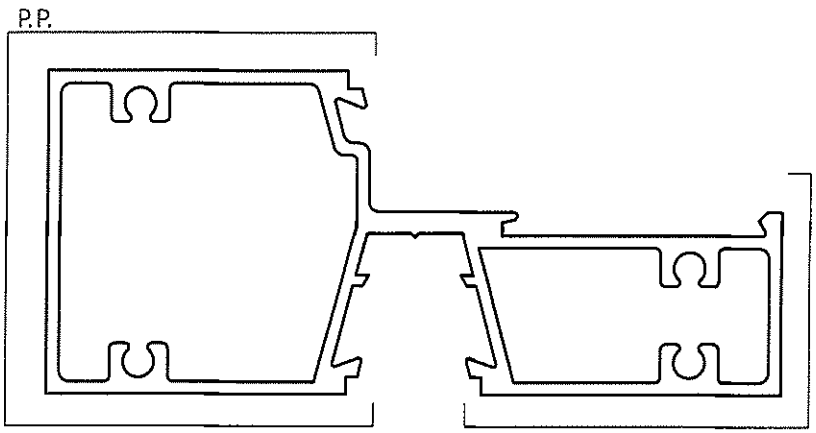
I_{xx} = 4.52 x 10^3mm^4
I_{yy} = 28.62 x 10^3mm^4

A.P. = 169mm
P.P. = 100mm

DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

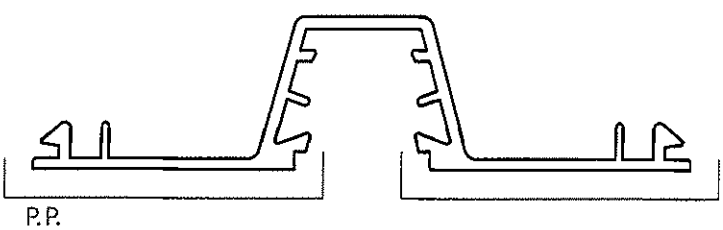
SECTION PROFILES



TJ362
Solid Transom/Sill

I_{xx} = 153 x 10^3mm^4
I_{yy} = 739.68 x 10^3mm^4

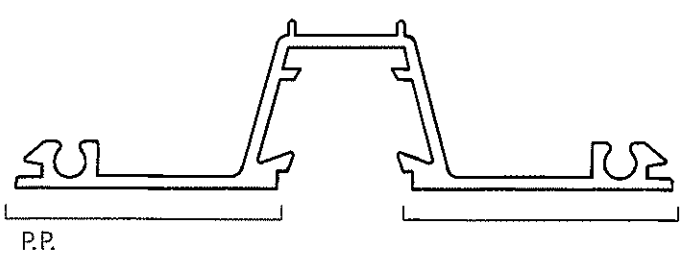
A.P. = 369mm
P.P. = 194mm



TJ304
Captive Adaptor

I_{xx} = 13.3 x 10^3mm^4
I_{yy} = 158 x 10^3mm^4

A.P. = 328mm
P.P. = 80.4mm



TJ364
Heavy Duty Adaptor

I_{xx} = 14.5 x 10^3mm^4
I_{yy} = 185.1 x 10^3mm^4

A.P. = 325mm
P.P. = 80mm

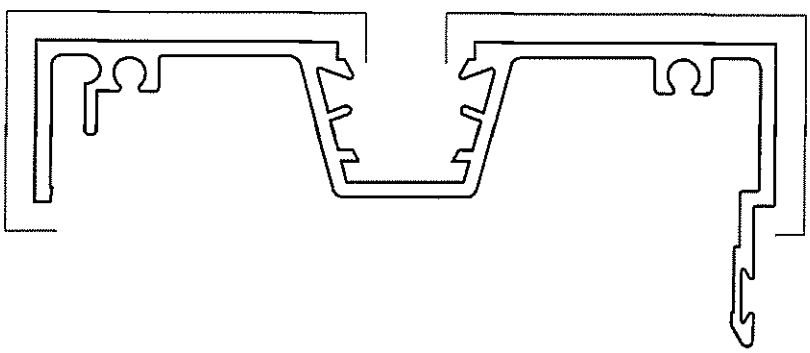
DARLEY ALUMINIUM

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	1:1

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

SECTION PROFILES

P.P.

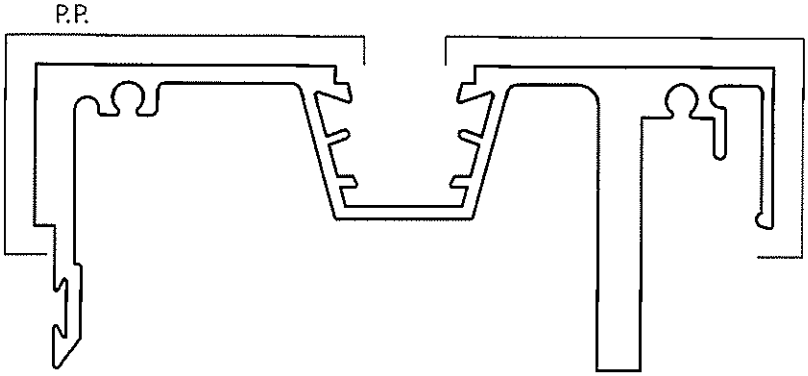


TJ320
Standard Split Mullion

I_{xx} = 44.8 x 10^3mm^4
I_{yy} = 573.9 x 10^3mm^4

A.P. = 489.3mm
P.P. = 136.6mm

P.P.



TJ333
Heavy Duty Split Mullion

I_{xx} = 110.2 x 10^3mm^4
I_{yy} = 966 x 10^3mm^4

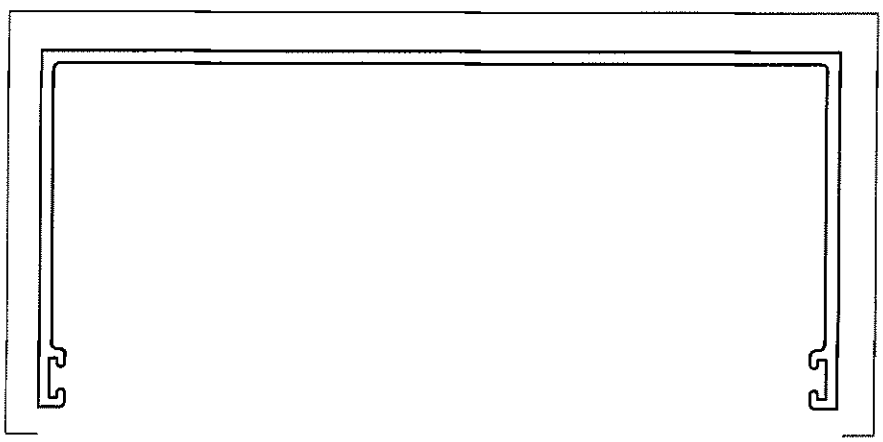
A.P. = 544mm
P.P. = 138.2mm

DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

SECTION PROFILES

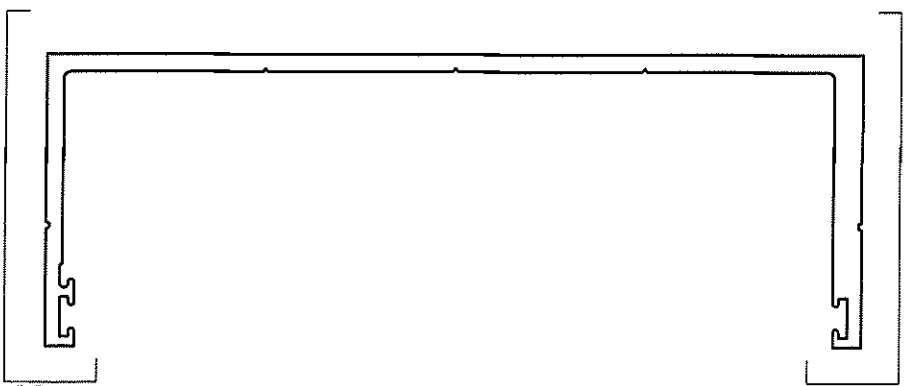
P.P.



TJ309
Standard Subhead

I_{xx} = 95 x 10^3mm^4
I_{yy} = 701.4 x 10^3mm^4

A.P. = 435.05mm
P.P. = 216.7mm



P.P.

TJ399
Heavy Duty Subhead

I_{xx} = 75.40 x 10^3mm^4
I_{yy} = 974.44 x 10^3mm^4

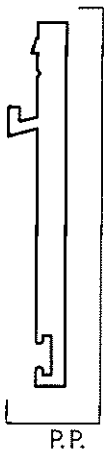
A.P. = 403mm
P.P. = 90mm

DARLEY ALUMINIUM

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	1:1

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

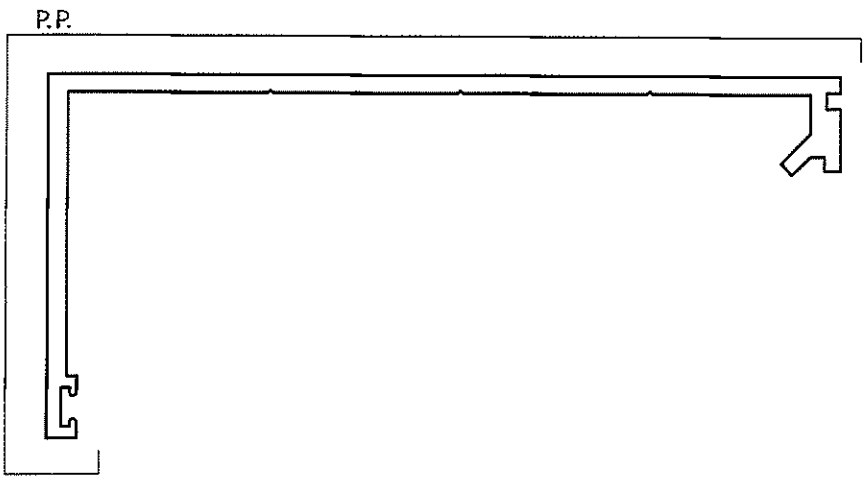
SECTION PROFILES



TJ429
Two Piece Subhead Cover

I_{xx} = n/a
I_{yy} = n/a

A.P. = 129mm
P.P. = 100mm



TJ430
Two Piece Subhead

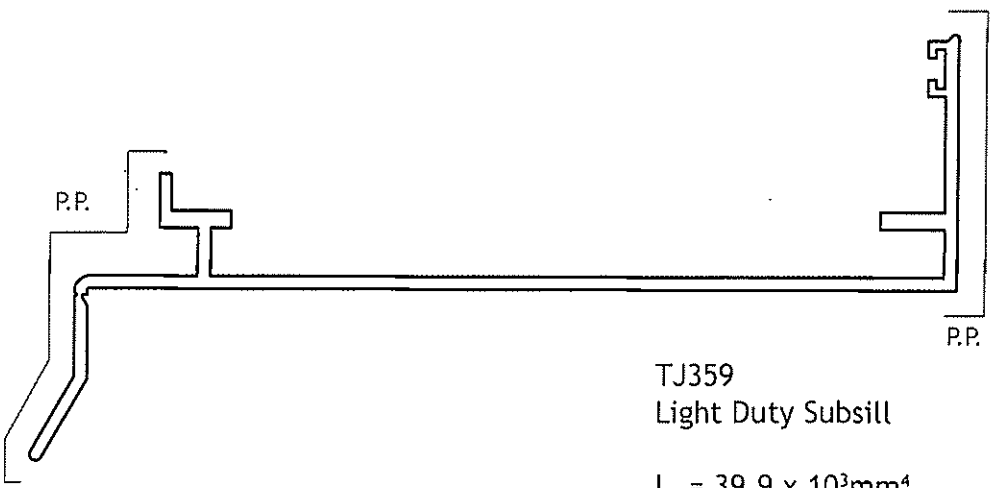
I_{xx} = n/a
I_{yy} = n/a

A.P. = 363mm
P.P. = 163mm

DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

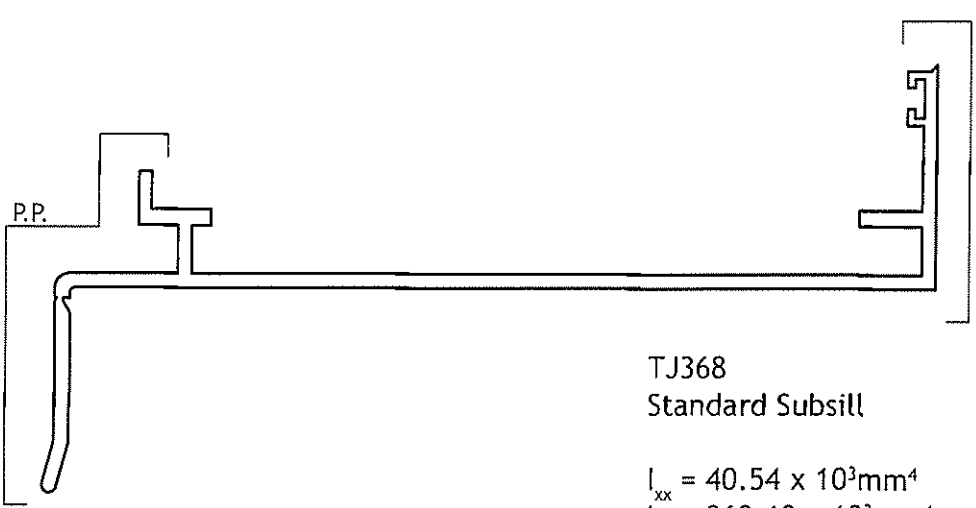
SECTION PROFILES



TJ359
Light Duty Subsill

I_{xx} = 39.9 x 10^3mm^4
I_{yy} = 799.3 x 10^3mm^4

A.P. = 440.32mm
P.P. = 105.32mm



TJ368
Standard Subsill

I_{xx} = 40.54 x 10^3mm^4
I_{yy} = 868.18 x 10^3mm^4

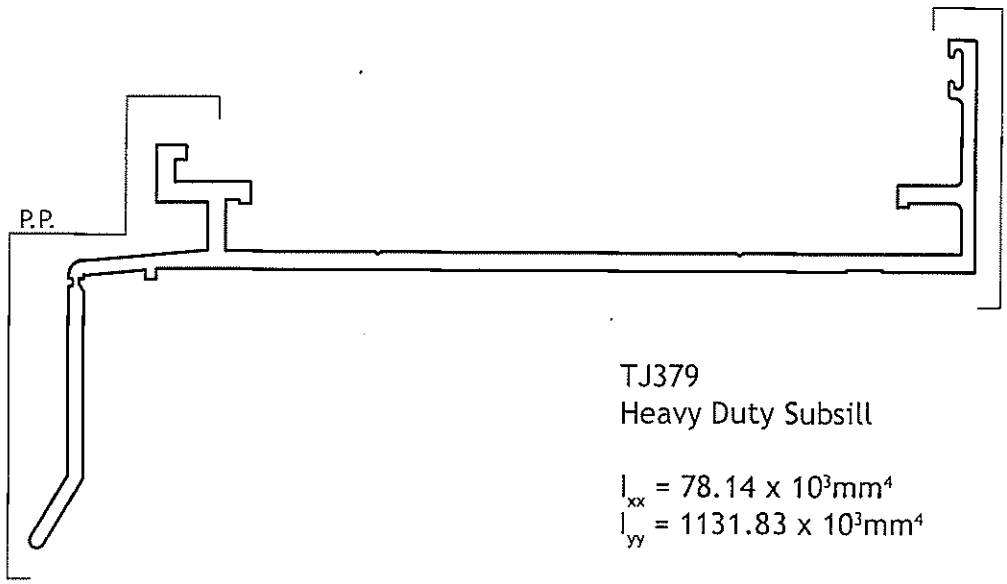
A.P. = 436mm
P.P. = 105mm

DARLEY ALUMINIUM

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	1:1

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

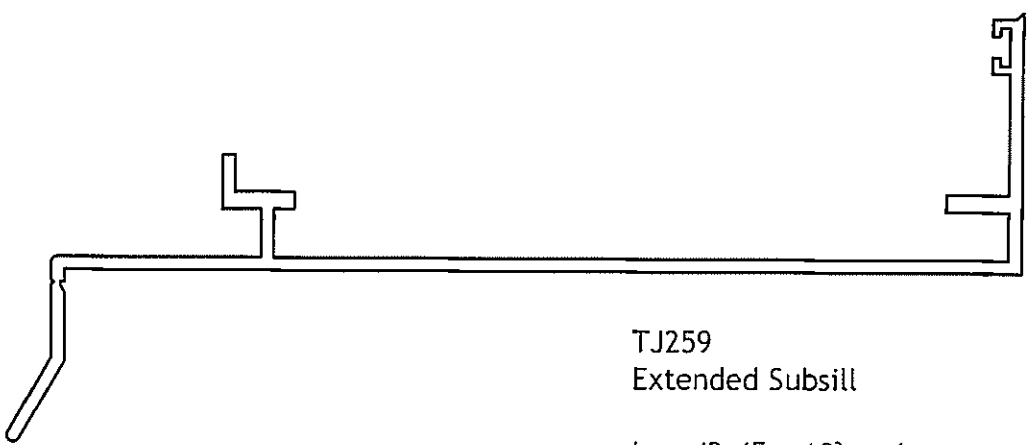
SECTION PROFILES



TJ379
Heavy Duty Subsill

I_{xx} = 78.14 x 10^3mm^4
I_{yy} = 1131.83 x 10^3mm^4

A.P. = 478mm
P.P. = 105mm



TJ259
Extended Subsill

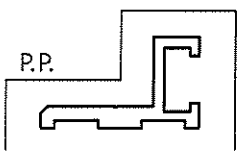
I_{xx} = 42.45 x 10^3mm^4
I_{yy} = 999.80 x 10^3mm^4

A.P. = 465mm

DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

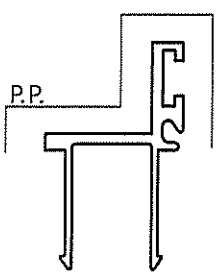
SECTION PROFILES



JM2809
Plant-On Door Stop

I_{xx} = n/a
I_{yy} = n/a

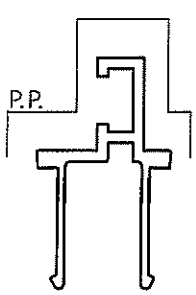
A.P. = 87mm
P.P. = 100mm



TJ335
35mm Door Stop

I_{xx} = 5.51 x 10^3mm^4
I_{yy} = 3.26 x 10^3mm^4

A.P. = 152mm
P.P. = 100mm



TJ306
45mm Door Stop

I_{xx} = 7.09 x 10^3mm^4
I_{yy} = 2.76 x 10^3mm^4

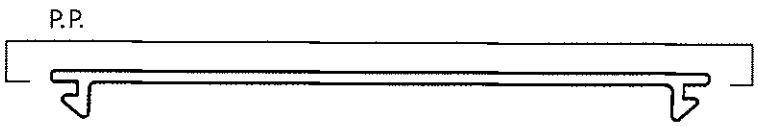
A.P. = 154mm
P.P. = 100mm

DARLEY ALUMINIUM

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	1:1

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

SECTION PROFILES



TJ305
Flush Adaptor

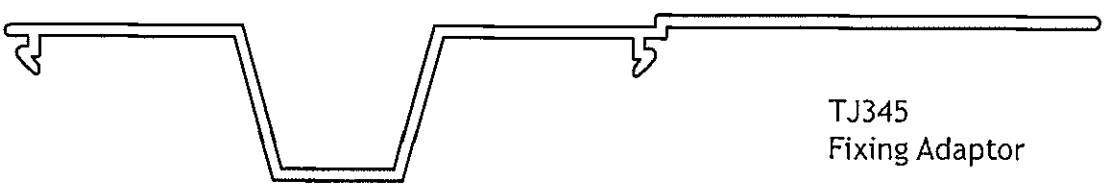
I_{xx} = 0.25 x 10^3mm^4
I_{yy} = 133.8 x 10^3mm^4

A.P. = 206.1mm
P.P. = 94mm

TJ342
Reveal Adaptor

I_{xx} = 4.31 x 10^3mm^4
I_{yy} = 150.12 x 10^3mm^4

A.P. = 246mm



TJ345
Fixing Adaptor

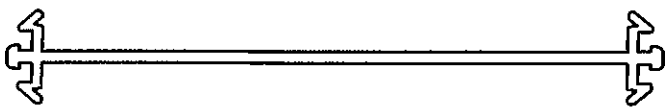
I_{xx} = 15.62 x 10^3mm^4
I_{yy} = 547 x 10^3mm^4

A.P. = 399mm

DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

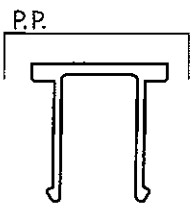
SECTION PROFILES



TJ385
Back-to-Back Adaptor

I_{xx} = 0.66 x 10^3mm^4
I_{yy} = 177.69 x 10^3mm^4

A.P. = 247mm



TJ307
Pocket Filler

I_{xx} = 2.58 x 10^3mm^4
I_{yy} = 2.36 x 10^3mm^4

A.P. = 109mm
P.P. = 100mm

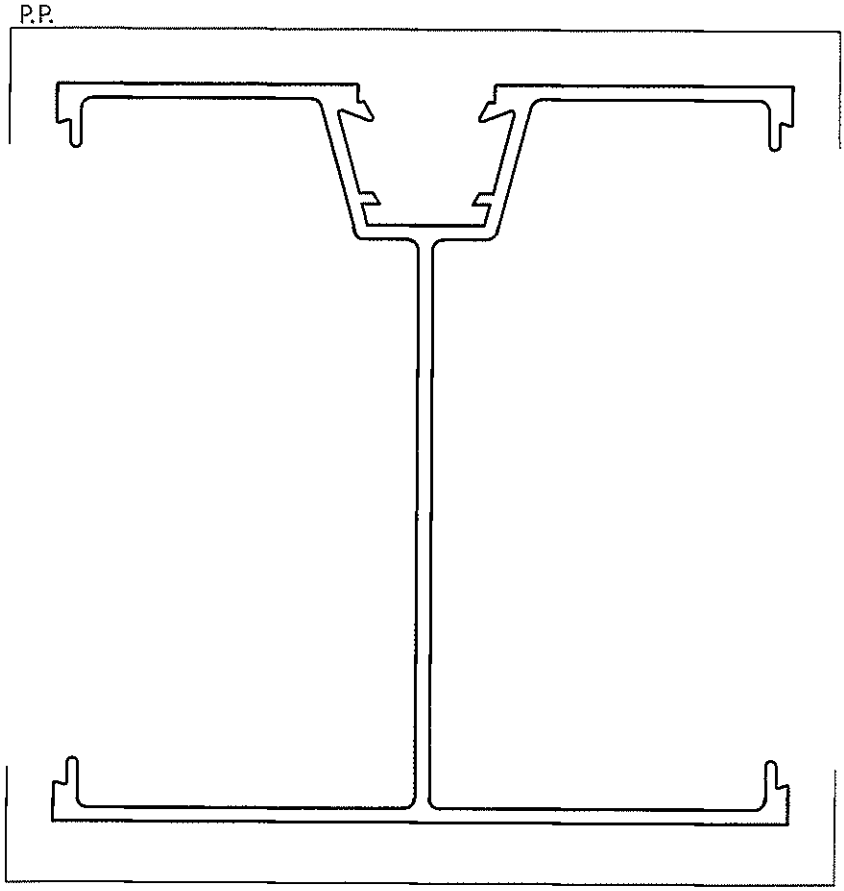
DARLEY ALUMINIUM

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	1:1

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

SECTION PROFILES

P.P.

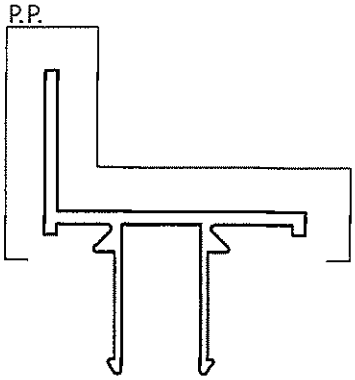


TJ308
Post

I_{xx} = 1324.18 x 10^3mm^4
I_{yy} = 506.02 x 10^3mm^4

A.P. = 703mm
P.P. = 205mm

P.P.



TJ720
Awning Stop

I_{xx} = 11.97 x 10^3mm^4
I_{yy} = 180.07 x 10^3mm^4

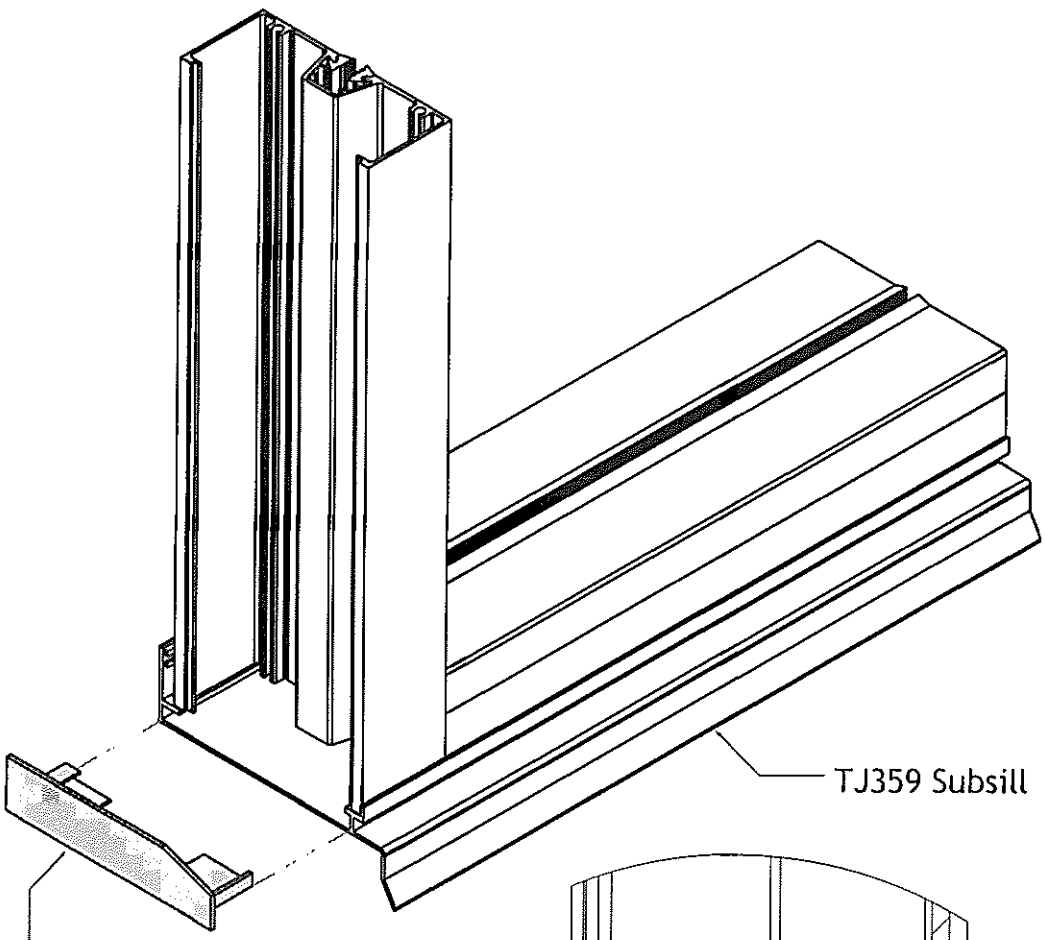
A.P. = 208mm
P.P. = 100mm

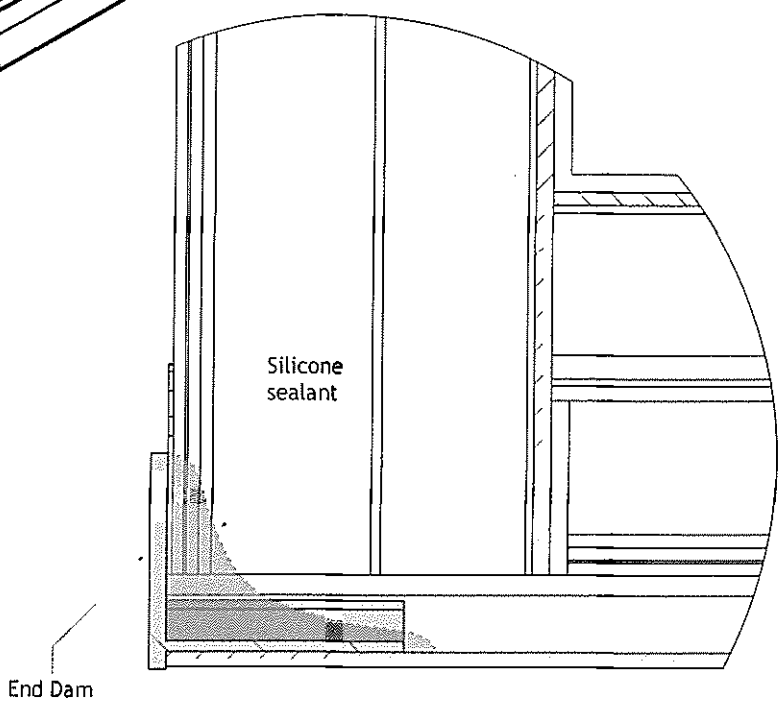
DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

SMALL PARTS: Subsill End Dam Placement



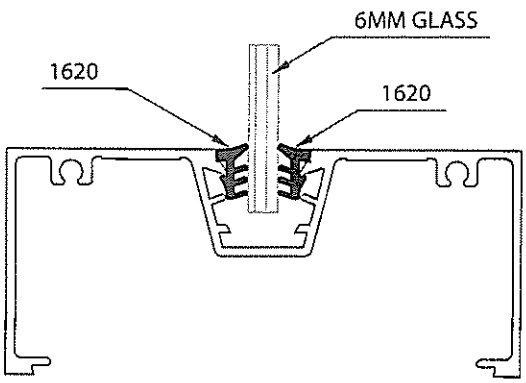


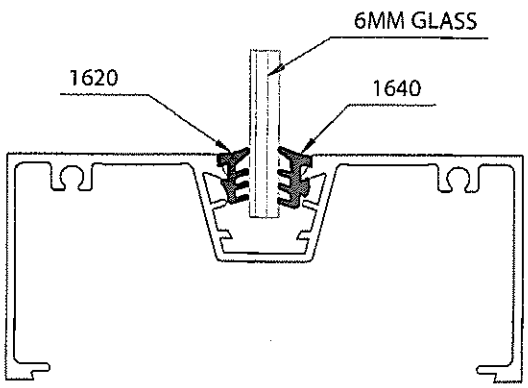
DARLEY ALUMINIUM

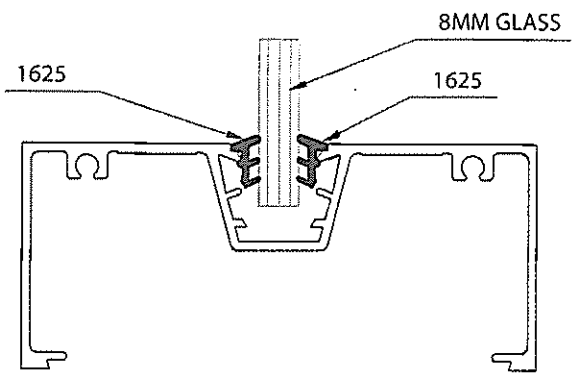
DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

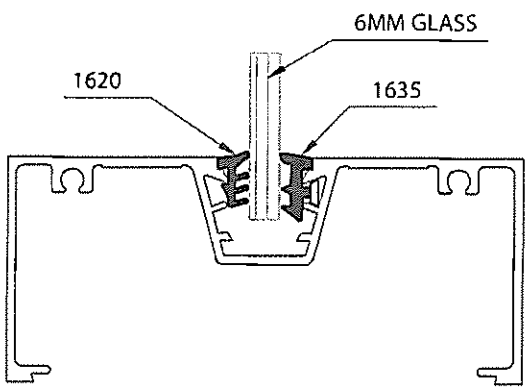
DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

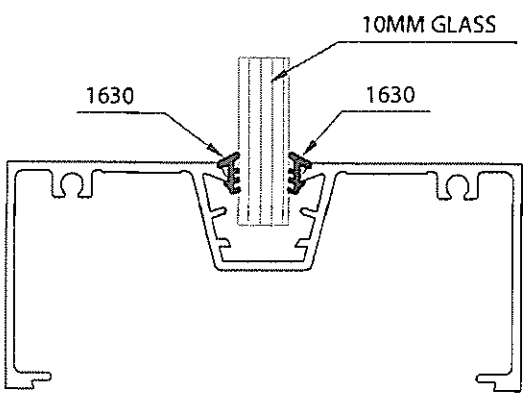
SMALL PARTS: Glazing Wedges and Combinations

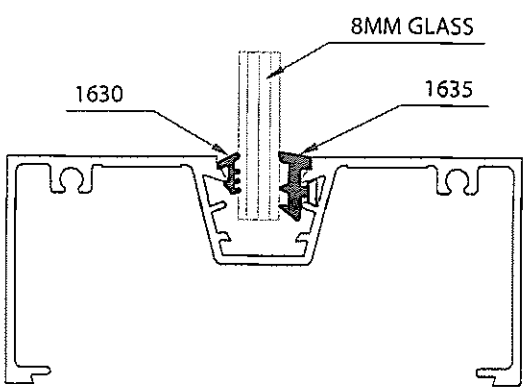










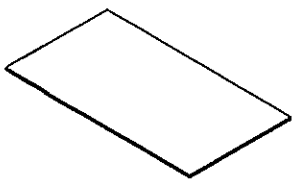


DARLEY ALUMINIUM

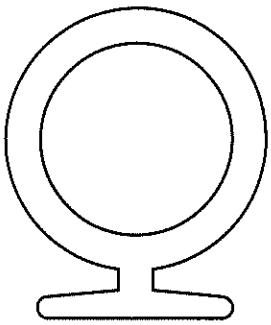
DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

SMALL PARTS

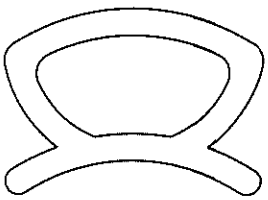
Seals



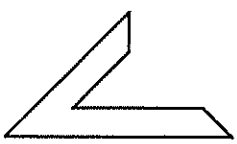
1472 - FOAM SEAL



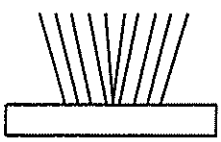
1600 - BULB SEAL



1610 - DOOR STOP



1660 - V-SEAL



1710 - WEATHER STRIP

Fixing Screws

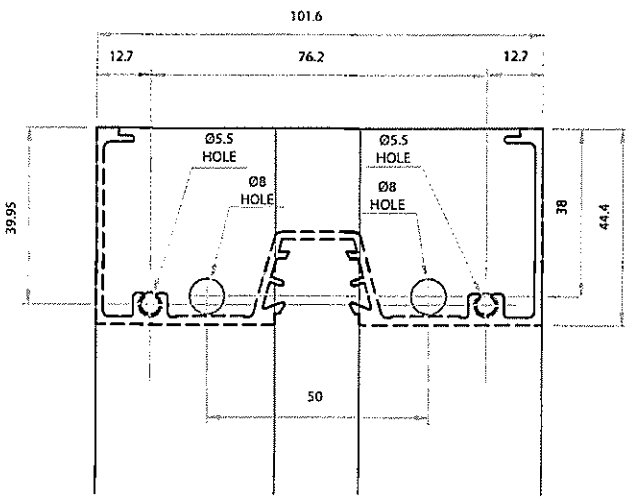
10# x25mm SS Pan

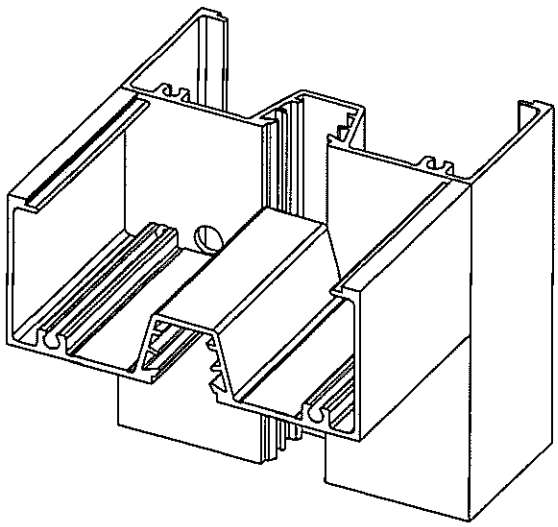
DARLEY ALUMINIUM

DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

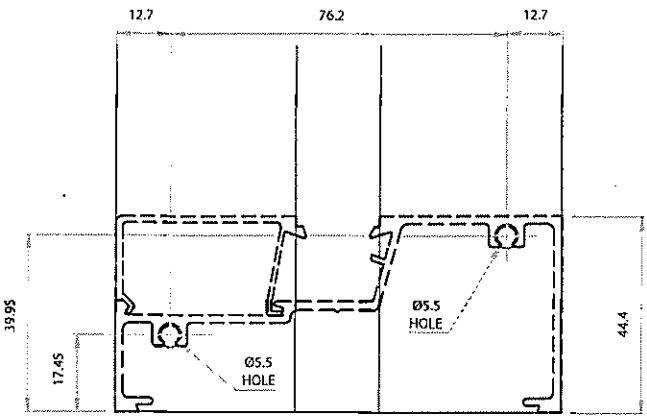
DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

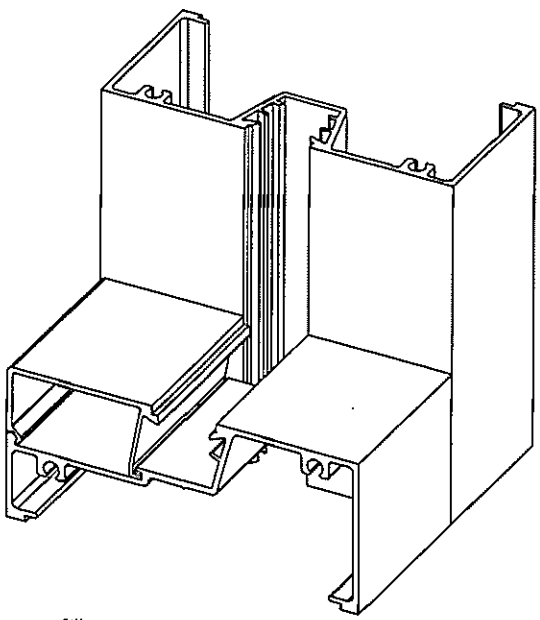
MACHINING DETAILS





1 Head





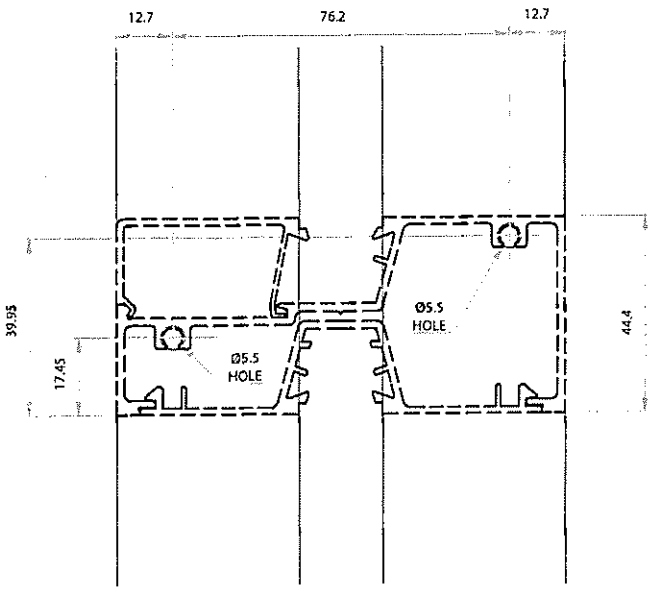
2 Sill

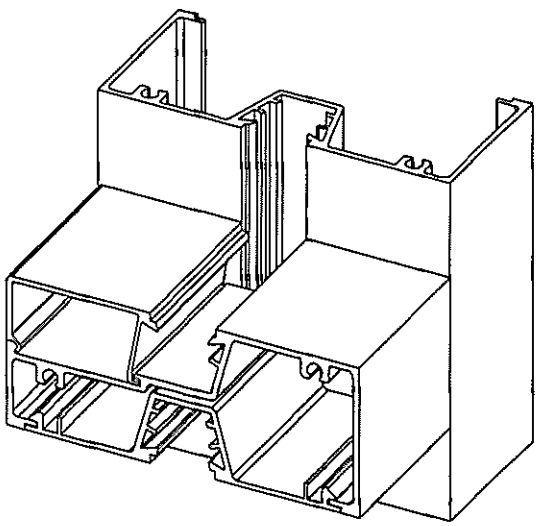
DATE:	APR - 2009 - V2
REPLACES:	APR - 2009 - V1
DWG SCALE:	Not to Scale

DARLEY ALUMINIUM

DARLEY 101.6x45mm SINGLE CENTRE GLAZED SYSTEM

MACHINING DETAILS





3 — Pocket Transom

4 — Bead Transom

PENRITH CITY COUNCIL **Penrith City Council**

DA Fee Calculator - Estimate Only

		Estimated Cost	Fee(+GST)	
Development:	<-- Select -->	76000	$.00	
Environmental Compliance Levy			$.00	
☐ Advertising Signs			$.00	
Notifications:				
☐ Designated Development			$.00	
Advertised	<-- Select -->		$.00	
Admin Fee for Integrated Development				
Adjoining Owners	<-- Select -->		$.00	
☐ Section 101 Notification Fee			$.00	
Construction Cert:	Class 2-9		$850.00	*
Complying Develop:	<-- Select -->		$.00	
Subdivision:		Existing | New		
☐ Subdivision with new Road			$.00	
☐ Subdivision without new Road			$.00	
		No. of lots		
☐ Strata Subdivision			$.00	
☐ Subdivision Certificate			$.00	
☐ Strata Linen Release Fee			$.00	
Other Fees:				
☐ Scanning Fee			$.00 — 80	*
☐ Long Service Levy			$.00	
☐ Pool Resuscitation Board			$.00	*
☐ BASIX CC Assessment Fee			$.00	
☐ Modification of Covenants (Sec 88b)			$.00	
☐ Septic (Domestic) Install ☐ Inspect			$.00	
☐ Engineering CC Assess ☐ Inspect			$.00	
☐ UDRP - SEPP 65			$.00	
☐ UDRP - Other			$.00	
Asset Fees:				
☐ Infrastructure Inspection & Admin			$.00	
☐ Road Reserve Opening Permit			$.00	
☐ Vehicle Crossover - Single Res/Dual Occ			$.00	
☐ Vehicle Crossover - Com/Ind			$.00	*
Common Insp:	<-- Select --> Occupation Certificate (Class 1) Occupation Certificate (Class 10) Occupation Certificate (Class 2-9)	1	$750.00	*
You Selected: Occupation Certificate (Class 2-9),				
Commercial Insp:	Package for Commercial Alterations	1 1	$500.00	*
Residential Insp:	<-- Select --> Residential Buildings (Individual) Package for dwellings Package for dwelling additions (1-2 r Package for dwelling additions & alte Package for awnings, carports etc			*

Total Fee **$2100.00**

Please note these are estimated fees based on information provided at the time. All fees are subject to verification
Fees are based on Council's fees and charges schedule and/or Statutory/Regulatory fees. Other fees may be applica
A 0.6% surcharge applies on all credit cards. * Denotes GST included fees.

Calculate Clear All

DRAWING SCHEDULE

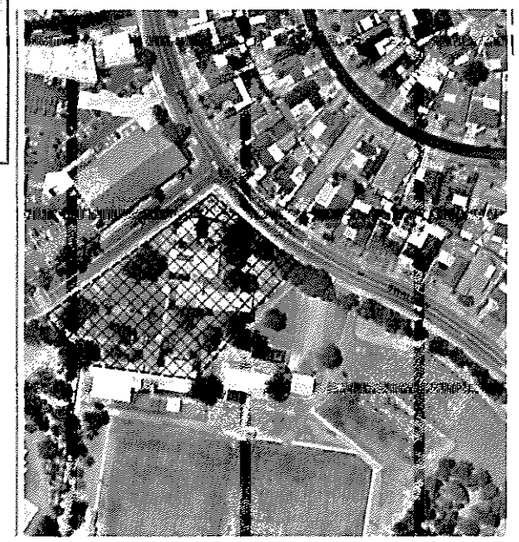
A1614 000 Notification Plan
A1614 100 Locality & Site Plan
A1614 200 Existing Floor Plan
A1614 300 Proposed Floor Plan
A1614 400 Proposed Elevation, Section & Detail
A1614 500 Window Schedule

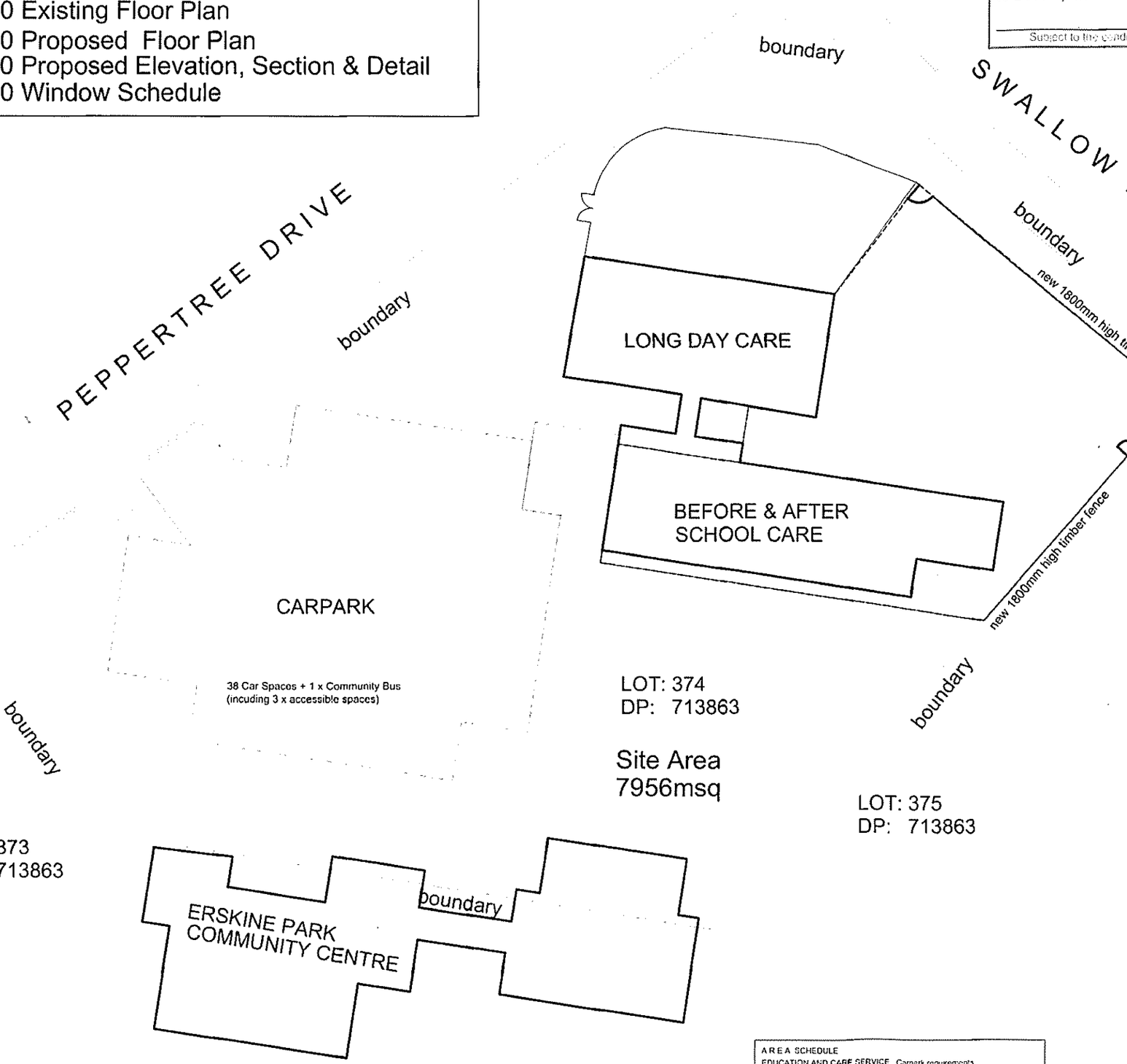
PENRITH CITY COUNCIL

COUNCIL DOES NOT ATTEST TO THE ACCURACY OF DETAILS IN PLANS

This plan / document relates to Development Consent: DA17/0240

Subject to the conditions outlined in this consent





1 LOCALITY PLAN
NTS

LEGEND
SITE

1 SITE PLAN
SCALE: 1:500

LEGEND
OOSH

AREA SCHEDULE
EDUCATION AND CARE SERVICE

TOTAL SITE AREA	7,956.00 msq
Total Carpark on site 38 spaces + 1 x bus space	1,474.00 msq
Total Other External Grounds	4,215.00 msq
Total Childcare Area	2,267.00 msq
Shared outdoor space	730.00msq
Long Day Care	867.00msq
Before and After School Care (OOSH)	670.00msq

AREA SCHEDULE
EDUCATION AND CARE SERVICE LONG DAY CARE

Total indoor area	312msq
Total indoor unencumbered area	167msq
Total outdoor area	555msq
Total outdoor unencumbered area	515msq
Total outdoor covered area	143msq
Total shared outdoor area	730msq
Total shared outdoor unencumbered area	510msq

AREA SCHEDULE
EDUCATION AND CARE SERVICE BEFORE AND AFTER CARE

Total indoor area	330msq
Total indoor unencumbered area	210msq
Total outdoor area	334msq
Total outdoor unencumbered area	334msq
Total outdoor covered area	91msq
Total shared outdoor area	730msq
Total shared outdoor unencumbered area	510msq

AREA SCHEDULE
EDUCATION AND CARE SERVICE

Total Indoor Unencumbered Area (Day care)	167.00 msq
Total Indoor Unencumbered Area (Before and After Care)	195.91 msq
Total	362.91msq
Indoor unencumbered area	1 child per 3.25msq
Total indoor unencumbered floor area 362.91smq	110 children
New additional floor area 46smq	14 children
Outdoor unencumbered area	1 child per 7msq
Total outdoor unencumbered floor area 1350 smq	194 children
Daycare	
Outdoor unencumbered floor area1025 smq	146 children
Before and After Care	
Outdoor unencumbered floor area 844 smq	120 children

AREA SCHEDULE
EDUCATION AND CARE SERVICE Carpark requirements

Children numbers	110 Children
On site park	
1 space per 10 children	11 spaces
1 space per staff (9 staff required)	14 spaces

REV	DATE	DESCRIPTION	BY
E	6.03.17	DA submission	RMC
D	22.02.17	DA submission	RMC
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PHASE
FOR DA SUMBISSION

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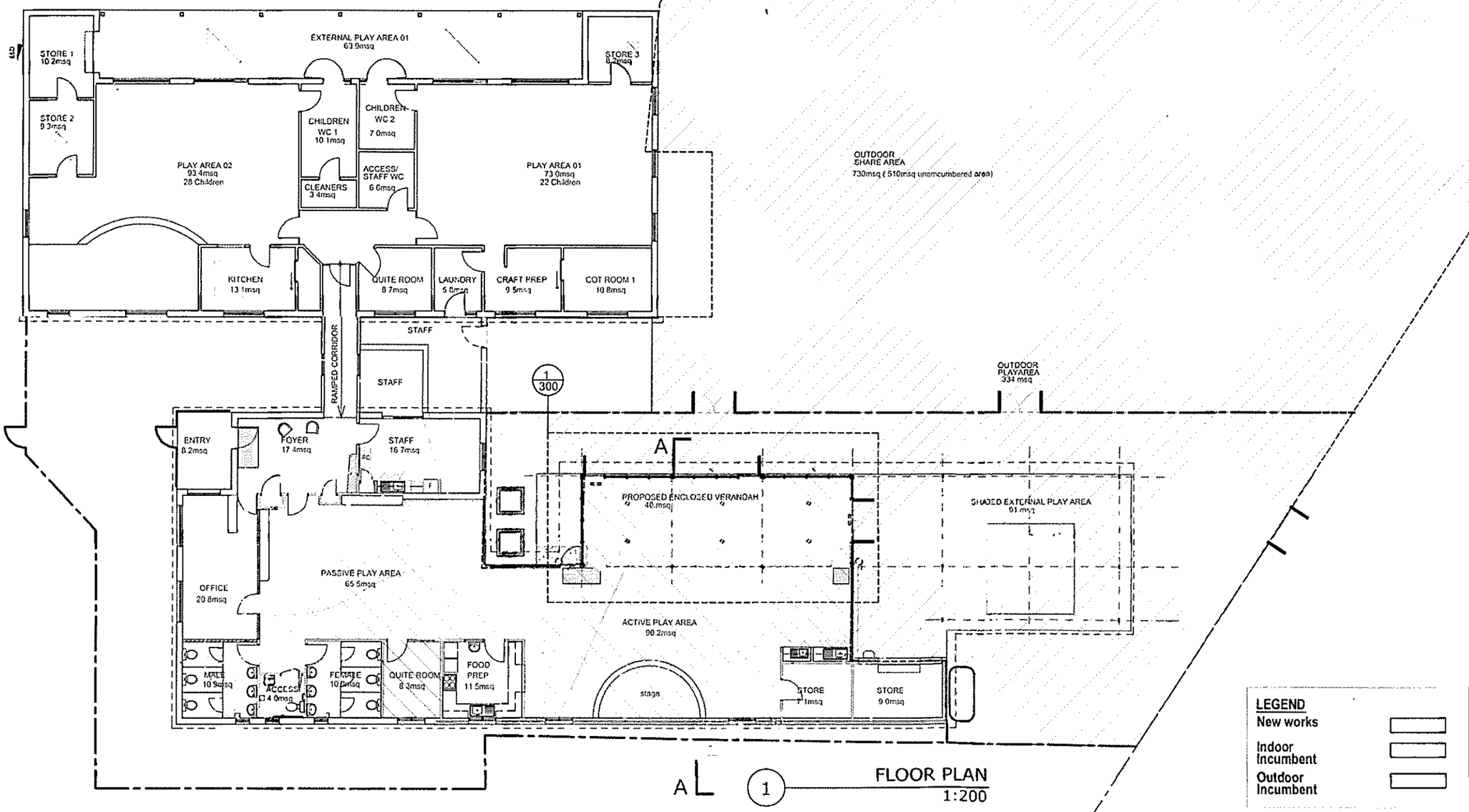
PROJECT
ALTERATIONS - OOSH Erskine Park
Crn Peppertree and Shallow Drive,
ERSKINE PARK

TITLE
SITE PLAN

SCALE (A3)	DRAWN	RMC	PROJECT CODE
DATE 22-10-2016	APPROVED		

SHEET NO
A1614 - 100
REV[E]



REV	DATE	DESCRIPTION	BY
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PROJECT

ALTERATIONS - OOSH Erskine Park
Crn Peppertree and Shallow Drive,
ERSKINE PARK

TITLE

PROPOSED FLOOR PLAN

SCALE (A3)	DRAWN RMC	PROJECT CODE
DATE 22-10-2016	APPROVED	

SHEET NO

A1614 - 200 REV[E]

LEGEND

- New works
- Indoor Incumbent
- Outdoor Incumbent

PENRITH CITY COUNCIL

This plan / document relates to Development Consent: **DA17/0240**

Subject to the conditions outlined in the consent

LEGEND

GENERAL

(WX) Window number

(DX) Door number

FLOOR

FT Floor trim

Vinyl Floor vinyl to match existing.

CEILING

(P) Plasterboard

F1 LED recessed downlights, lux 4000K ,150mm dia colour - white (connected to existing). Sunny lighting (SLA)

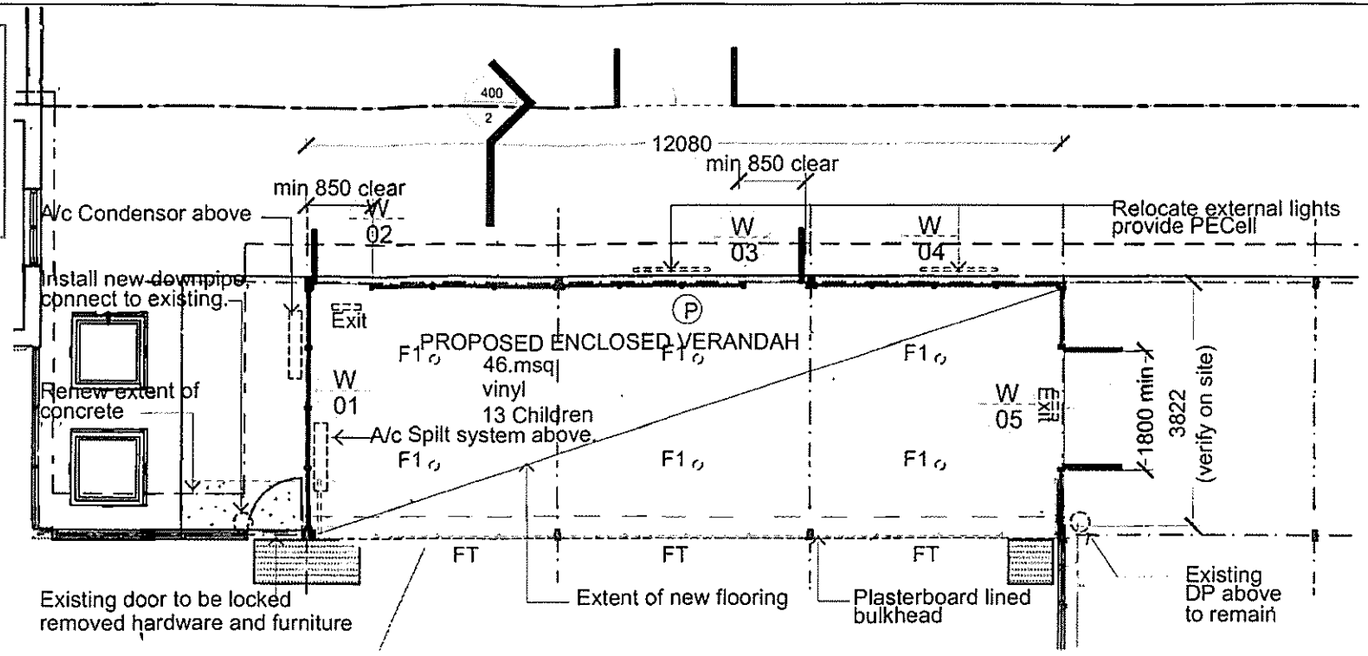
EMERGENCY SERVICES

(S) Smoke alarm

Exit Emergency Sign, provide stainless pole/stays

(E) Emergency light

(EX) FIre extinguisher



1 PLAN 1:100

SCOPE OF WORKS

Demoltion:

Carefully remove existing window / door glazing sections and dispose.

Cut concrete slab and dispose as required.

Earthworks:

Locate existing drainage and connect to new downpipe.

Glazing:

Supply and install new commercial grade glazing sections, colour to match existing.
All new glazing to be 10.5mm thick tinted laminated safety glass with acoustic seal Q-Lon type.

Supply and install new operable glazing sections, (awning type).

Supply and install Lockwood (or equal) elevations electric window actuator and touch display. (commerical grade)

Supply and install flyscreens to all elevated operable windows.

Install all glazing to manufacturers' recommendations.
Provide glazing certificate.

Flooring:

Waterproof membrane over concrete slab.
Ardex or similar to level area , and eliminate step.
New Vinyl flooring to area, with cover strips to change in material.
to match existing, unless otherwise noted.
Install all flooring to manufacturers' recommendations.

Electrical Services:

Supply and install new lights.
Supply and install motion sensors to activate new lights

Mechanical Services:

Supply and install new air conditioning unit.
Provide allowance of $15,000 ex GST for supply and install.
Ensure electrical works and ducting/tunking concealed within new upper wall.

Ceiling:

Supply and install new 13mm plasterboard ceiling lining.
Furring channels as required.
Create new plasterboard bulkhead, under box gutter,

Roofing:

Carefully lift metal roof sheeting and install sarking+100mm glass wool batts.
Reinstate roof sheeting.
Install metal roof capping, to edge and sides.

Plumbing:

Renew length of box gutter to entire existing verandah.
Install new downpipe, connect to existing system, make good concrete, and artifical turf.
Renew rainwater head, material and colour to match existing.
Ensure new rainwater sized to current standards.
Rainwater head to be located no higher 50% flow depth of gutter.
Ensure overflow adequately sized with high point 25mm below base of box gutter.

Doorhardware/Furniture:

Reuse existing

Emergency services:

Install fire exits signs, to match existing, to two door way and provide Compliance Certificate.
Supply and install new emergency lights, to match and connect to existing system, provide Compliance Certificate.
Supply and install new smoke detectors and connect to existing system, provide Compliance Certificate.

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ARCHITECT

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Major Projects Department

PROJECT

ALTERATIONS - OOSH Erskine Park
Crn Peppertree and Shallow Drive,
ERSKINE PARK

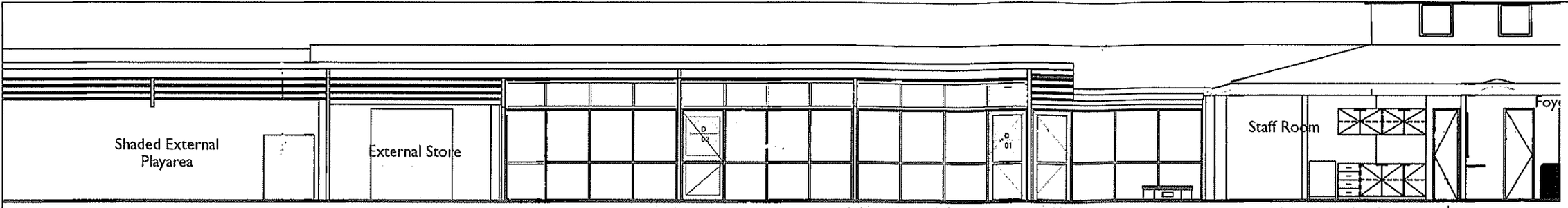
TITLE

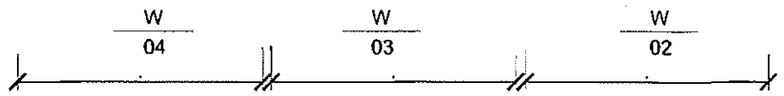
PROPOSED
SECTIONS & ELEVATIONS

SCALE (A3)	DRAWN RMC	PROJECT CODE
DATE 22-10-2016	APPROVED	

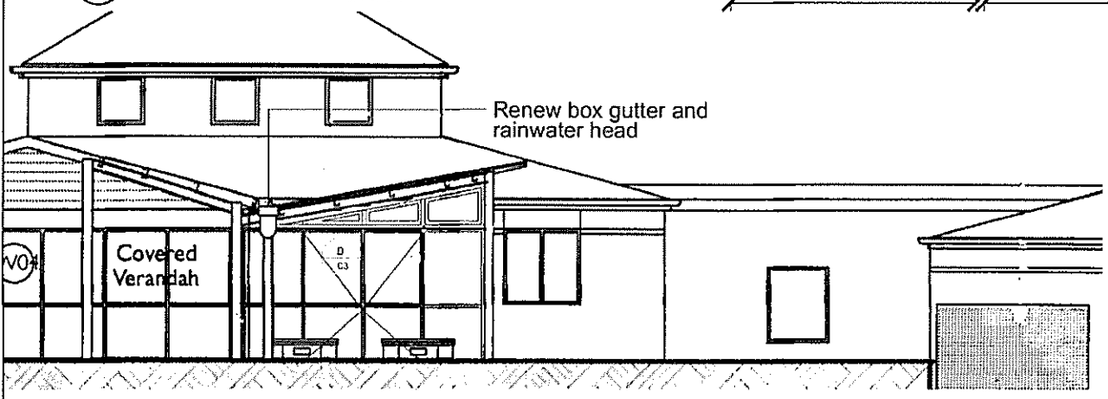
SHEET NO

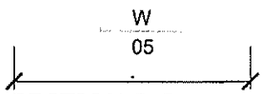
A1614 - 300 REV[E]



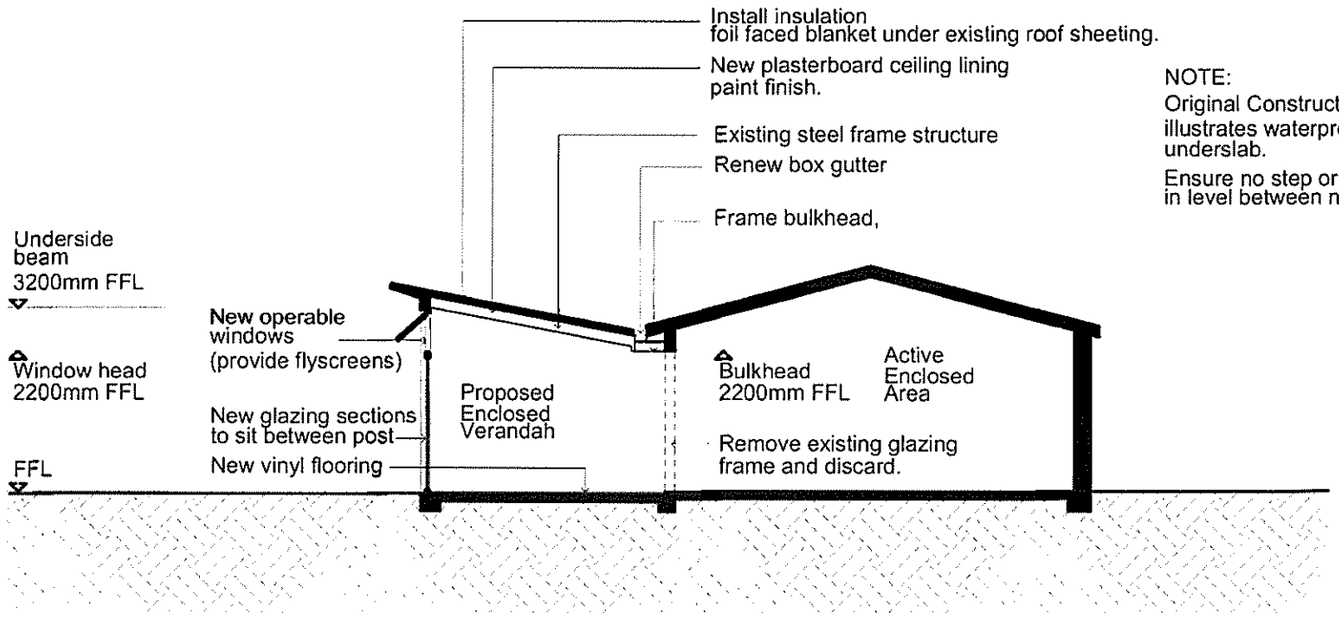


4 SECTION C-C
1:100





3 SECTION B-B
1:100



NOTE:
Original Construction documentation illustrates waterproof membrane to underslab.
Ensure no step or change in level between new vinyl and existing.

2 SECTION A-A
1:100

PENRITH CITY COUNCIL

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PROJECT
ALTERATIONS - OOSH Erskine Park
Crn Peppertree and Shallow Drive,
ERSKINE PARK

TITLE
PROPOSED
SECTIONS & ELEVATIONS

SCALE (A3)	DRAWN RMC	PROJECT CODE
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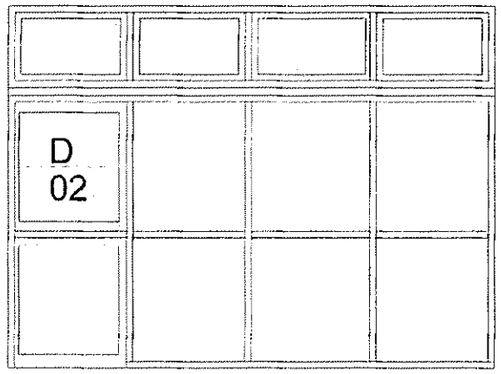
SHEET NO
A1614 -400 REV[E]

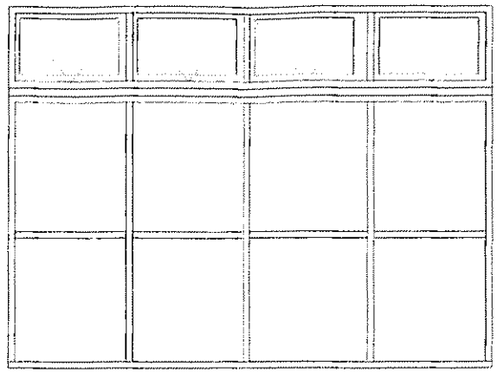
Underside beam

Ex Window head
2200mm (approx) FFL
(verify on site)

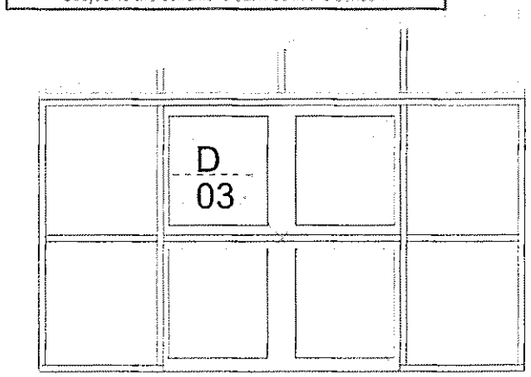
FFL



3 ELEVATION W 03
1:50



4 ELEVATION W 04
1:50



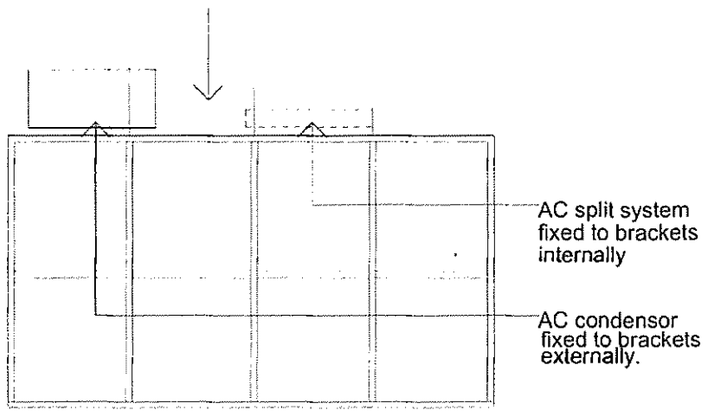
5 ELEVATION W 05
1:50

Above window sections,
light weight steel framing
with R2.5 bulk insulation in cavity,
with waterproof membrane to exterior skin,
Line exterior with FC sheeting, interior with
plasterboard set finish, both paint finish
(installed all to manufacturer's recommendations.

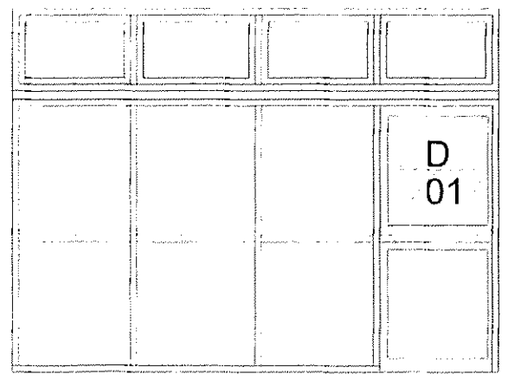
Underside beam

Ex Window head
2200mm (approx) FFL
(verify on site)

FFL



1 ELEVATION W 01
1:50



2 ELEVATION W 02
1:50

NOTE:
* Supply and install new aluminium glazing sections with 10.5mm tinted laminated safety glazing.
* Supply and install high elevation operable windows to be tinted.
*Supply and install Lockwood or equal, Elevations Electric window actuator and touch display (Commercial grade)
* Glazing frame colour to match existing.
* Reuse existing lock cylinders and door funriture for new doors.
* Provide glazing certificate.
* Install all new glazing sections to manufacturers recommendations.
* Provide acoustic seals to all windows and junction with existing building Q-Lon type of equal.

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PROJECT
ALTERATIONS - OOSH Erskine Park
Crn Peppertree and Shallow Drive,
ERSKINE PARK

TITLE
WINDOW SCHEDULE

SCALE (A3)	DRAWN RMC	PROJECT CODE
DATE 22-10-2016	APPROVED	

SHEET NO
A1614 - 500 REV[E]