

Au.diLine™ data sheet

Product Description

Au.diLine is a high performance metal linear ceiling system manufactured from Colorbond using carrier rails to support continuous Au.diLine panels in a 100mm module. An effective and attractive acoustic ceiling is created by a combination of the perforated panels, linear slots and acoustic insulation.

Product Features

- Superior strength heavy gauge steel panel
- Excellent acoustical performance
- Integrated thermal insulation
- Non-combustible
- Light weight
- Washable
- Easy ceiling access
- Maintenance free

Variations

- Available in white only. However special colours and finishes are available if required
- Optional smooth face available
- Carrier rails can be curved for vaulted or wave ceilings
- Integrated access panels available for where regular point access is required

Material Sizes

- Au.diLine Panel – Manufactured to order maximum recommended length – 5500mm
For longer runs use Au.diLine Panel Joiner
- Au.diLok Carrier Rail – 3600mm
- Wall Angle – 3600mm

Acoustic Performance

Au.diLine is produced with a diagonally pitched bridge perforated face and is used in conjunction with a range of acoustic backing insulation materials.

Open area guide - 18%

Applications

Ceilings
Not recommended for wet areas

Substrate

Steel

Finish Options

- Colorbond Surfmist White
- Special powder-coat colours and finishes available

Fire Rating

For Group Number fire ratings please contact Atkar.

Warranty

Au.diLine is warranted for fifteen (15) years. Refer to Warranty document for terms.

Installation Options

Integral clip with proprietary suspension system.

Sound Reflective Au.diLine

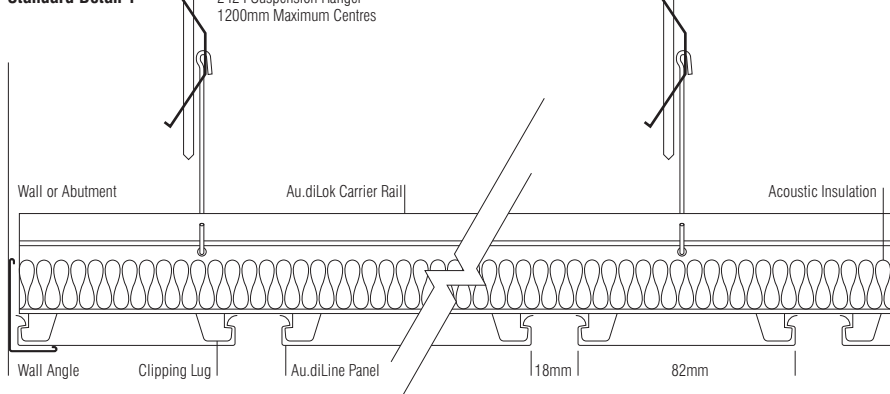
Au.diLine can easily and economically be installed to provide sound reflection. Even side by side with absorptive Au.diLine without being visually different. Please consult Atkar Technical Staff for details.

Attention – The method of fixing indicated for this product is of a general nature only and does not allow for specific design criteria such as wind loads, expansion joints or any other special design requirements which should be separately provided for by the specifier.

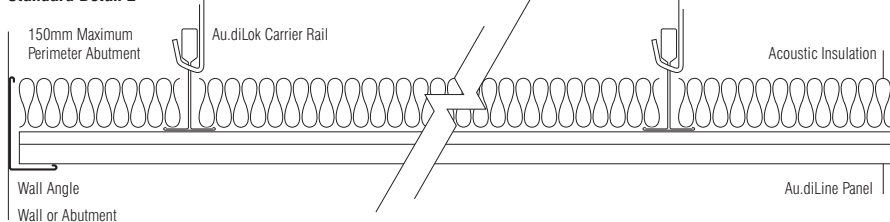
Due to continual product improvement the information in this publication is subject to alteration without notice.

Standard Details

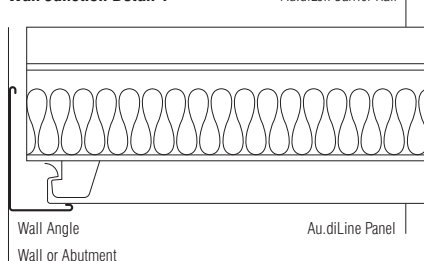
Standard Detail 1



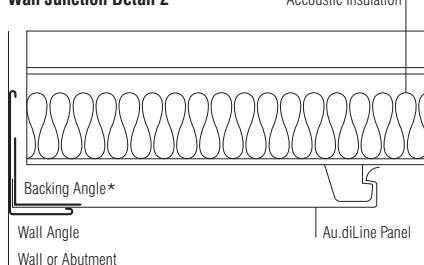
Standard Detail 2



Wall Junction Detail 1



Wall Junction Detail 2



*Turn up tab at 900mm centres and fasten through backing angle

Au.diLine installation guide

The following notes are intended to assist the installer to effectively install this product to a high standard of finish in accordance with manufacturers recommendations and most importantly, to achieve compliance with Australian Standards and Government specifications for ceiling installations in School and other Public Buildings.

Included are standard detail drawings that convey the general assembly requirements of the Au.diLine ceiling system, and a few photographs to demonstrate the methods and finishes that are expected relevant to roof lights and roof vents. The following notes should be read prior to commencing work on site.

Site Conditions

Structure: Roof on and watertight; gable ends in and sealed, window frames in to areas where ceilings abut; floors clean to accept mobile scaffold or scissor lifts.

Interior: All in-ceiling mechanical services fitted, all electrical and data cabling installed. Note: Government standards require fans and lights to be supported from the structure, (not from the ceiling) therefore fan and light supports need to be installed before ceiling installation commences.

Set-Out

Check panel direction required to ensure hangers and carriers are set-out to suit (carriers opposite direction to panels). Take into account roof vent and roof-light locations when setting out. Set-out to best avoid longitudinal panel cutting.

Hanger Assemblies

Acceptable hanger assemblies are; rigid angle hangers 25 x 25 x 0.8mm for drops up to 600mm and 40 x 40 x 0.8 for drops over 600mm. Hangers must be fixed to the structure and carrier by positive means such as Tek screws (10 to 8gge). If threaded rods are used, the upper end must pass through the purlin web; purlin clips are not allowed.

Hangers are to be spaced at nom 1200mm centres along the length of the carrier rail.

Carrier Rails

Au.diLok carrier rails to be fitted at nom 1200 centres in parallel. Carriers to be fitted at 150-300mm from all wall, roof light or other penetration or abutment.

Set out carrier rails so that panel joints occur 150 – 300mm to the side of the carrier i.e.; do not attempt to join panels on a carrier. End-join carriers by built-in splice joints.

Perimeter Trims

At all perimeters, fit aluminium shadowline trim painted 'Surf Mist' to match the panel colour. Both standard shadowline and cranked shadowline trims are available in 'Surf Mist' colour.

* Note: the cranked shadowline trim is also ideal for use on Gyprock ceilings where they are raking at or near to 26 degrees.

Roof Vents & Roof Lights

Frame up roof vents and roof lights using 25 x 25 or 40 x 40 angle sections as hangers, all adequately supported, braced and fixed. Fit polypropylene white sheeting inside of framing with flat head tek screws at nom 300 centres. Fit 25 x 25 angle to support twin-wall thermal insert at highest point possible, fix through sheeting to framing beyond. Fit twin-wall polycarbonate thermal insert onto angle section and secure with compatible mastic acorns. Trim lower end of duct at ceiling level with prefinished 'Surf Mist' 37 x 37 aluminium tee securely fixed to duct framing. Fit prismatic diffuser inside tee frame and secure with clear mastic acorns.

Panels & Insulation

We recommend that panels are ordered to site measured lengths. This greatly reduces time on site by reducing amount of cutting required. Order panels to lengths to provide panel to panel joints 150 – 300mm away from carrier rails. The panel joiners are very strong and form good hair-line joints. However, if fitted too close to the carrier, the carrier clips will splay and distort the joint due to the multiple metal thicknesses. The recommended black faced insulation option is standard 1200 wide rolls that can be laid out over the ceiling after installation of panels in a 'hit and miss' pattern; i.e. 4 panels in and 3 out. This makes laying insulation quicker and easier and the panels left out can quickly be added back in once the insulation is installed flat and even.

Panel Jointing

See note above; form panel joints 150 – 300mm away from carrier rails. Do not try to join on carrier rails as that will consequently splay the joint. Adjust joint connection by squeezing panel and joiner to affect best alignment and minimal gap.

On Completion

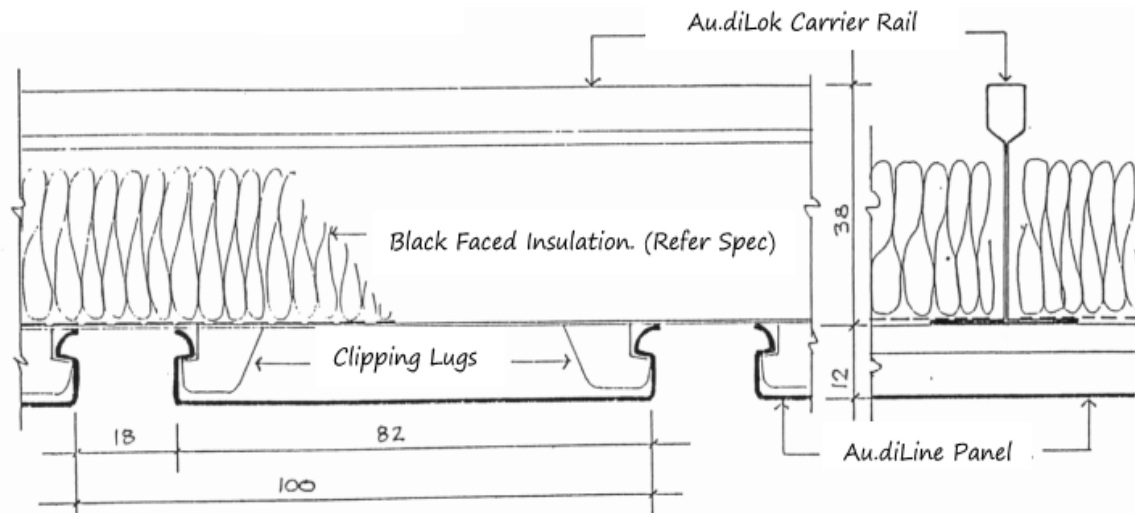
Wipe over the ceiling removing any hand-marks and dust etc; ensure no insulation is missing or yellow showing; check joints and adjust by hand if necessary; remove excess materials and clean the area of any trade debris and place in builders bin. Have Site Manager inspect finished work and sign-off as complete; in good order and condition (in section or total).

Attention - The clips on the Au.diLok carrier rail are quite sharp and care must be taken when handling the rail or working below it to avoid laceration.

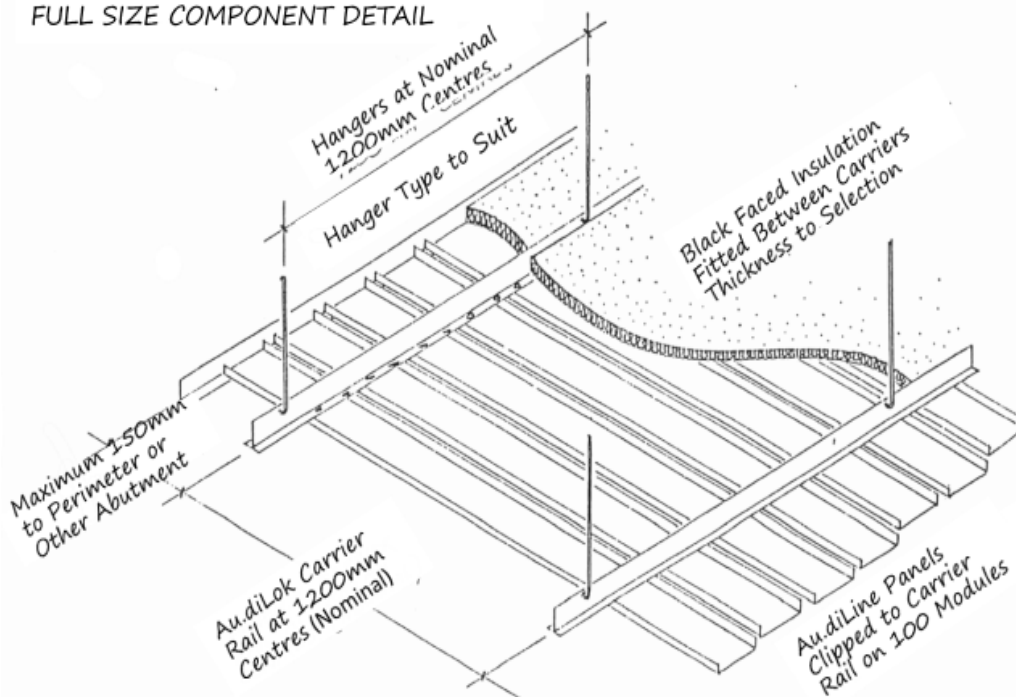
The inclusion of the Au.diLok-rib profile into the vertical side of the Au.diLine panel provides exceptional strength and handling ability. However it does create two sharp points at each cut end of the panel that handlers and installers need to be conscious of to avoid laceration.



Au.diLine installation guide

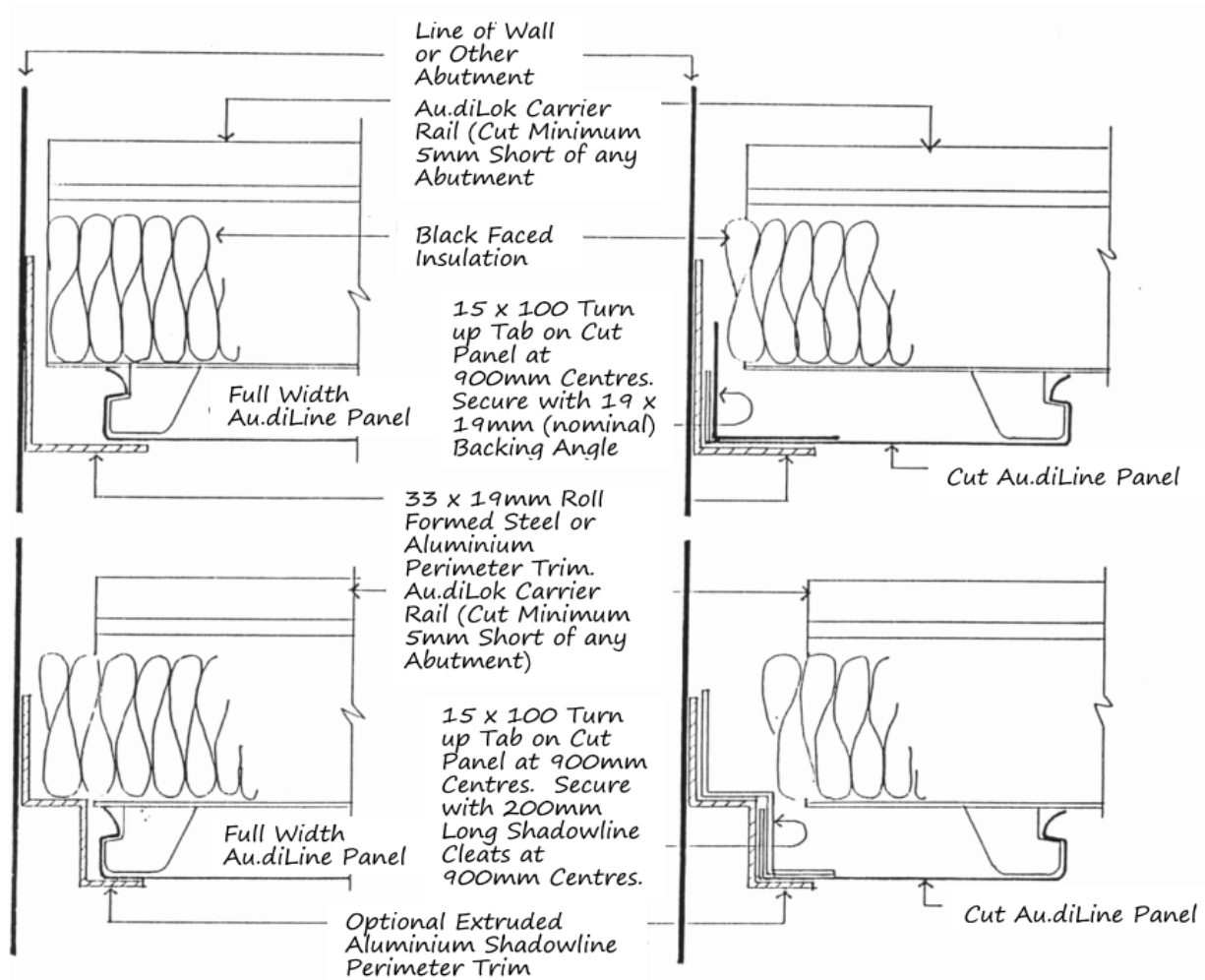


FULL SIZE COMPONENT DETAIL

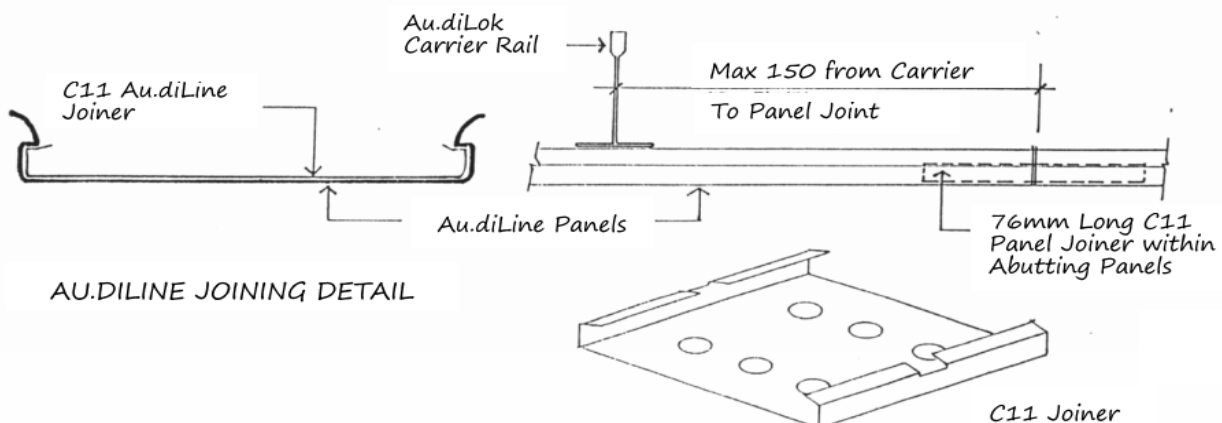


GENERAL ASSEMBLY

Au.diLine installation guide

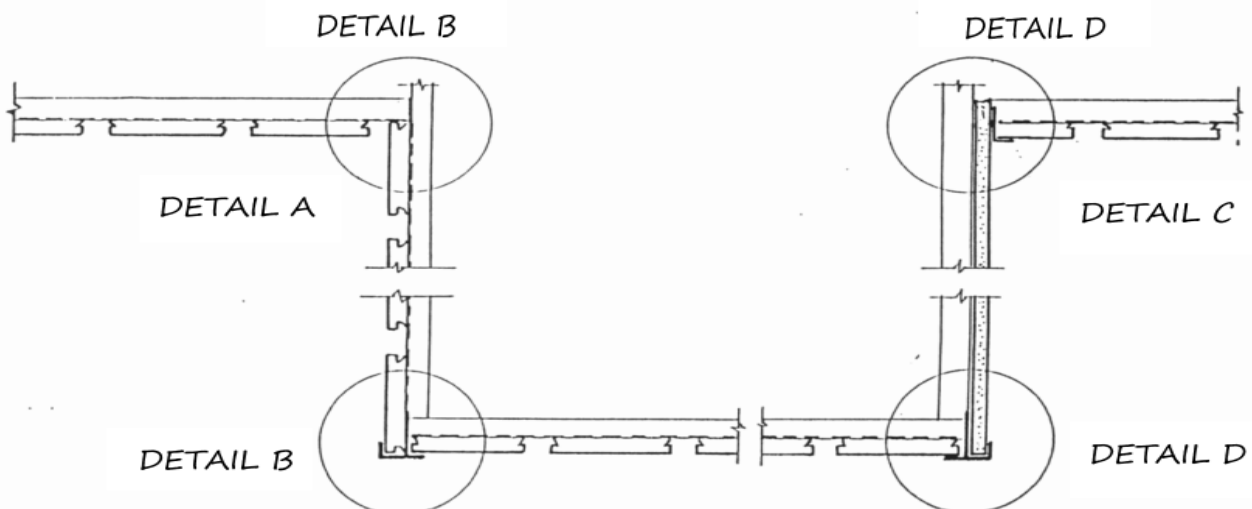
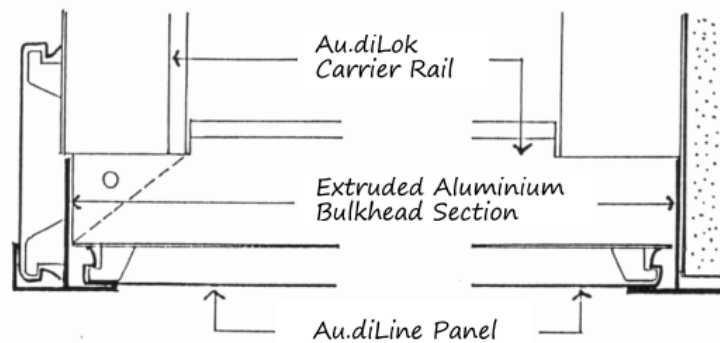
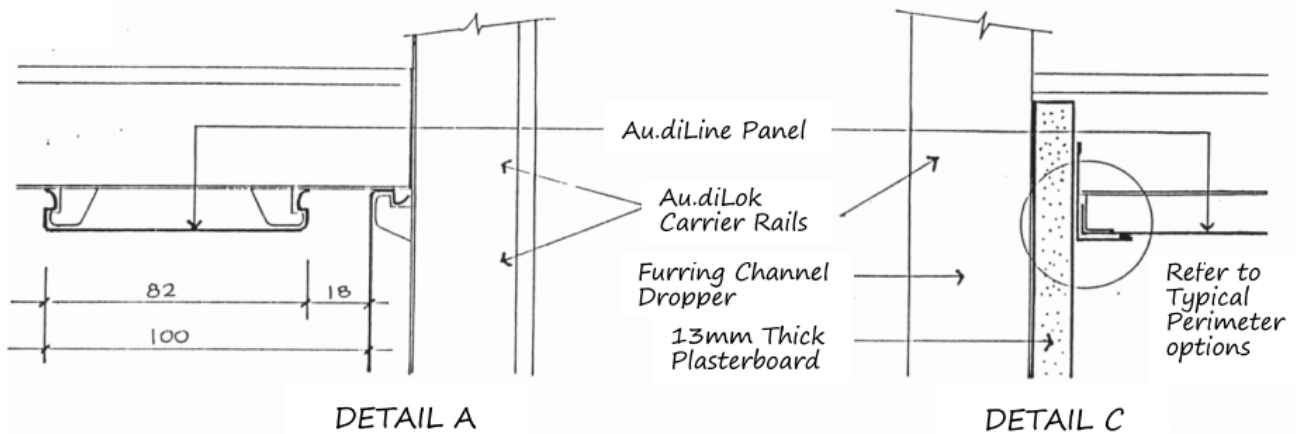


FULL SIZE DETAILS FOR TYPICAL PERIMETER OPTIONS



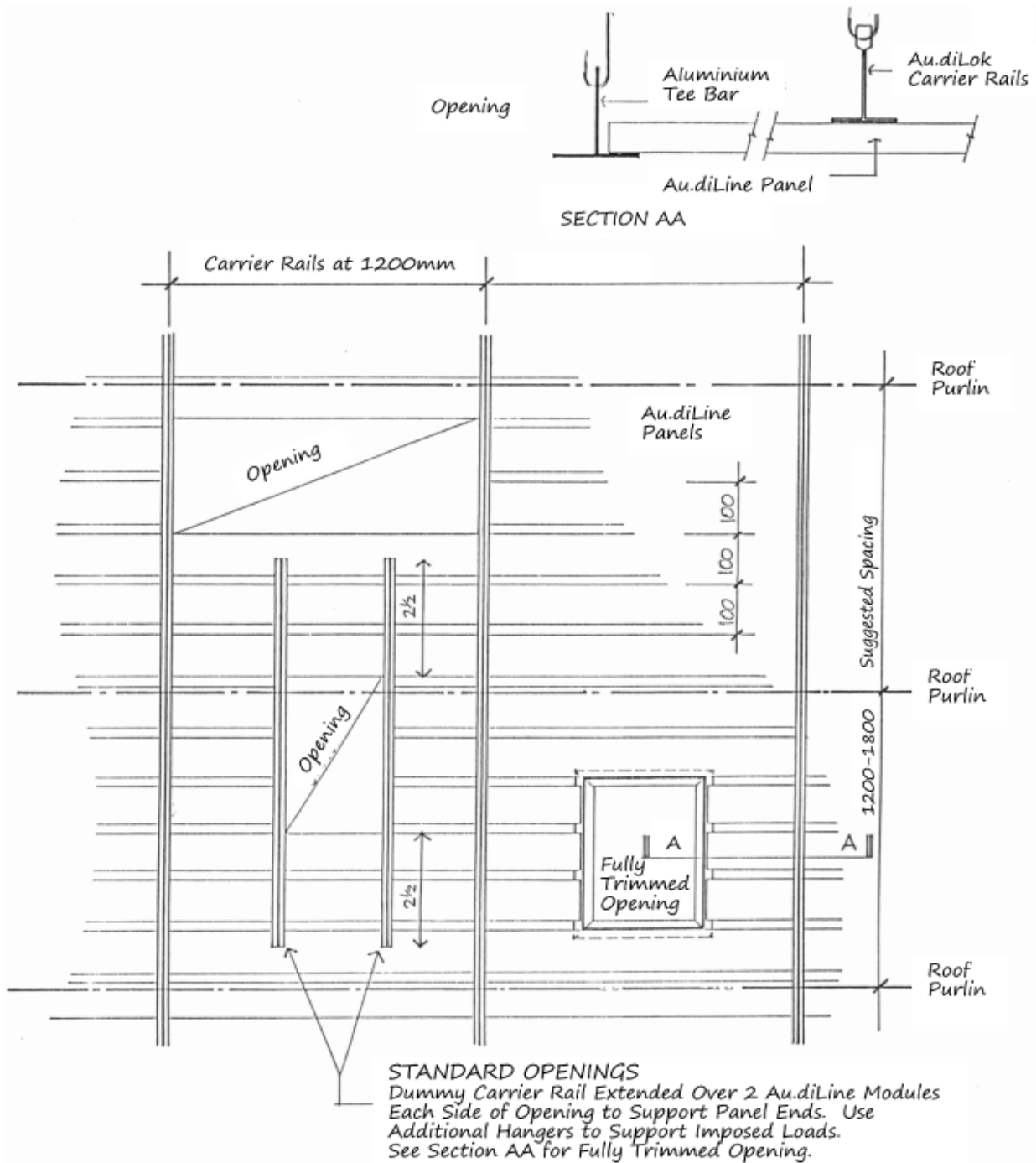
AU.DILINE JOINING DETAIL

Au.diLine installation guide



TYPICAL CEILING BULKHEAD AND DETAILS
(Brace to Suit Size and Span Requirements)

Au.diLine installation guide



RECOMMENDED FRAMING LAYOUT UNDER ROOF STRUCTURES &
TYPICAL PENETRATIONS