

Rondo DUO[®]

Two-Way Exposed Suspended Ceiling Grid System



DESIGN CONSIDERATIONS

GENERAL INFORMATION

All components of the Rondo DUO® Exposed Ceiling Grid System have been designed and tested by Rondo engineers to meet the requirements of suspended ceiling design codes in both Australia and New Zealand. The design allows for integration with other Rondo suspended ceiling systems in the same plane. Incorporated in this brochure are details of the Rondo one-way linear ceiling system, as well as other onsite installation details plus standard ceiling grid layout procedures.

AS1170.4 SEISMIC COMPLIANCE

All ceilings must be designed in accordance with the requirements of AS/NZ2785–2000. As part of this design process, seismic compliance to AS1170.4 is required. Seismic design is quite complex and cannot be undertaken without explicit knowledge of the ceiling grid system and seismic design parameters. Australia has predominantly low level seismic activity in the more populated regions and it is not uncommon for the seismic requirements to be minimal, however please contact your engineer or Rondo's Technical Service Department to check compliance of your grid with AS1170.4.

ADVANTAGES

- The Rondo DUO® Exposed Ceiling Grid System is two systems in one, with both a 24mm face product and a slimline 14mm face product being available.
- The main tee can be suspended anywhere along its head using either of two snap-on suspension clips or suspended by 2.5mm diameter tie wire through the holes punched 50mm apart in the web.
- Cross tee slots are spaced at 100mm centres, thus meeting the requirements of all standard grid modules. Imperial non-standard grid modules are available, but lead times and surcharges apply.
- The system design incorporates two cross tees suitable for all standard grid modules and standard infill panels.
- The newly-designed slim, box type suspension head on both main and cross tees leaves more room for the installation or removal of infill panels without damage.
- Engineer-designed locking tabs on each cross tee are manufactured from a higher tensile steel than the cross tee and provides a strong and positive connection.
- Installations to meet seismic specifications are achieved using none or a minimum number of stabilising points.
- Cross tees can be easily removed from an installed ceiling without damage and re-installed in another location. This is of great importance when relocating light or airconditioning fixtures.
- Three newly-designed wall angles assist in the installation of seismic specified systems and enable concealed fixings of main/cross tees using the specially-designed stabiliser clips.
- A range of accessory clips or joiners are included in the package, such as a tile hold-down clip for 10—16mm thick tiles as well as the universal partition mounting clip for stud sizes of 64—150mm.
- The standard main and cross tee packing cartons incorporate an exclusive 'Zipper' design for ease of opening. It also reduces the potential for damage and enables the carton to maintain its integrity for carrying once opened.
- The Rondo tile-white exposed face colour has been selected to complement as many ceiling panel standard colours as possible.
- Rondo DUO® is manufactured in Australia by a wholly-owned Australian company for worldwide distribution. The Rondo DUO® exposed ceiling grid system can be purchased via any one of our more than 400 distributors throughout Australia, New Zealand and SE Asia.

SAFETY FEATURES

- The cross tee locking tab has been engineered to ensure that it will stay in place in the main tee whilst the opposite cross tee is being installed.
- All components are produced from materials with protective coatings. This allows us to offer a minimum guarantee period of 15 years for most environments.
- Packaging has been designed to ensure that it will not break open when being transported.
- No hazardous materials are used by Rondo in the manufacture of products used in our DUO® ceiling grid system.
- All products are easily identified, with production traceability marked on each carton or stock pack of accessories.
- It is recommended that all ceiling grid systems only be installed by qualified tradespersons and in accordance with AS/NZS 2785:2000.

STORAGE & HANDLING

Rondo DUO® ceiling grid components come in convenient stock-pack and sub-pack quantities for ease of handling and storage. Rondo DUO® ceiling grid components should be handled with care and stored in a dry, protected area away from airborne contaminants such as overspray from brick cleaning processes. This instruction applies to all products whether designed for internal or external use.



STANDARDS

The design tables, material properties, installation details and test data contained within this product brochure have been formulated in accordance with the following Australian and New Zealand standards:

- **AS/NZ2785–2000**
Suspended Ceiling Design and Installation
- **AS/NZS1170:2002**
Structural Design Actions
Part 4: Earthquake Loads
- **AS/NZS1397:2001**
Steel Sheet and Strip
- **AS4600–1996**
Cold-Formed Steel Structures Code
- **ASTM C636–91**
Standard Specifications for Metal Suspension Systems for Acoustical Tile and Lay-in Panels
- **NZ4203–1992**
Seismic Code
- **New Zealand Building Code**
B1 Structure
B2 Durability 15 years
F2 Hazardous Building Materials

And will perform to those standards when installed by an approved fixer to the standard's requirements.



Lloyd's Register Quality Assurance (LRQA) has certified Rondo Building Services Pty Ltd's Quality Management System as complying with ISO9001 in New South Wales, Queensland, Victoria, South Australia & Western Australia.

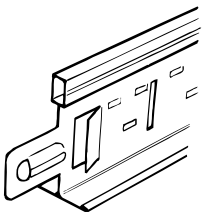
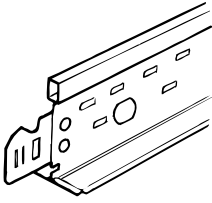
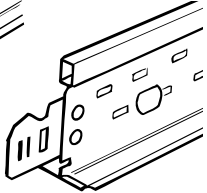
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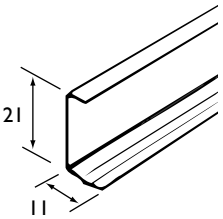
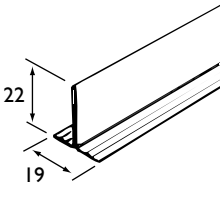
RONDO DUO® COMPONENTS

PRIMARY SECTIONS

DESCRIPTION	PART NO	
Main Tee 24 x 38mm	DUO1	
Cross Tee 24 x 34mm Crimped	DUO2	
24 x 34mm Heavy Duty	DUOH	
Main Tee 14 x 38mm	DUO3	
Cross Tee 14 x 34mm Crimped	DUO4	

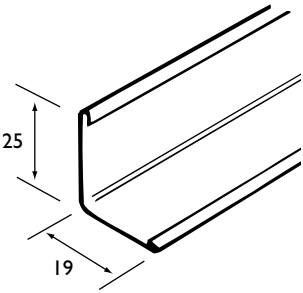
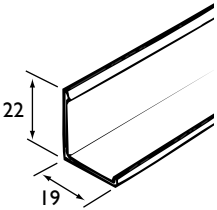
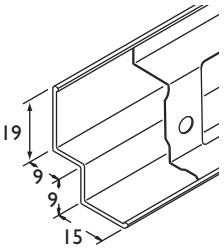
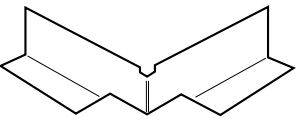
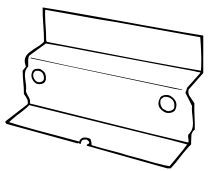
DUO 1 DUO 2 DUO H DUO 3 DUO 4

CONCEALED T SPLINES

DESCRIPTION	PART NO	
Access Spline	148	
32mm T Spline	369	
22mm T Spline	371	
T Spline Yoke	443	

148 369 371 443

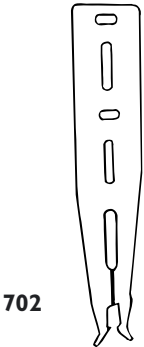
WALL ANGLE / BULKHEAD TRIM

DESCRIPTION	PART NO	
Rolled Edge Wall Angle: Steel 25 x 19mm	DUO5	
Steel Shadowline 19 x 9 x 9 x 15mm	DUO6	
Aluminium Lipped: 22 x 19mm	187	
Shadowline 19 x 9 x 9 x 15mm	DUO7	
Tee Bar Bulkhead Clip	708	
Joiner Duo 5	709	
External Joiner Duo 5	710	
Internal Corner Joiner Duo 5	711	
Joiner Duo 6 and 7	716	
Duo 5 Bulkhead Clip	717	

DUO 5 DUO 6 187 DUO 7 708 709 710 711 716 717

DIRECT FIXING CLIPS

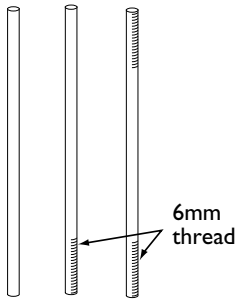
DESCRIPTION	PART NO
127mm	702



702

SUSPENSION ROD

DESCRIPTION	PART NO
5mm soft galv. rod – plain	121
5.2mm soft galv. rod – 6mm thread one end	122
– 6mm thread both ends	123
M6 nut – to suit threaded rod	826

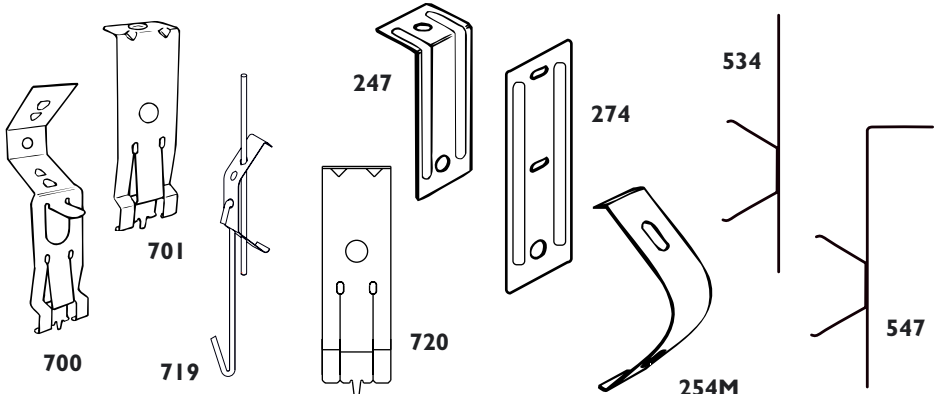


121 122 123

6mm thread

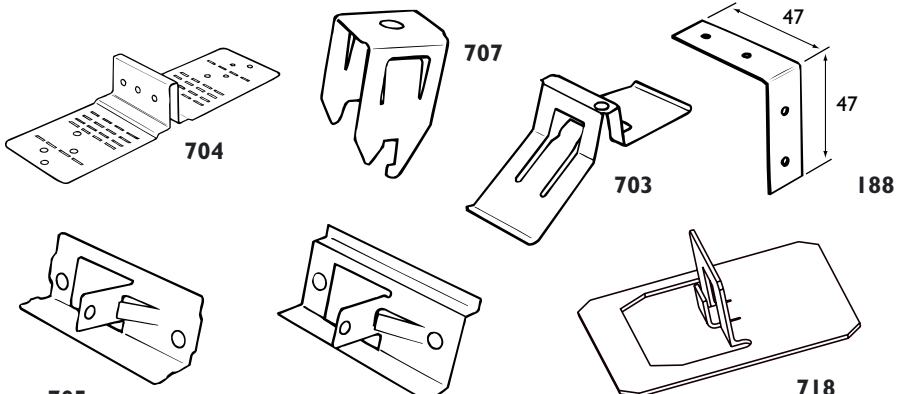
SUSPENSION CLIPS / BRACKETS

DESCRIPTION	PART NO
Spring adjustable clip for 5mm soft galv suspension rod	700
Thread adjustable clip for M6 threaded rod	701
Hooked adjustable suspension clip	719
Thread adjustable suspension clip for M6 threaded rod (without lock nut)	720
Suspension rod angle bracket	247
Suspension rod bracket	274
Suspension rod joiner for 5mm soft galv suspension rod	254M
Suspension rod bracket Timber – Steel	534
Suspension rod bracket Concrete	547



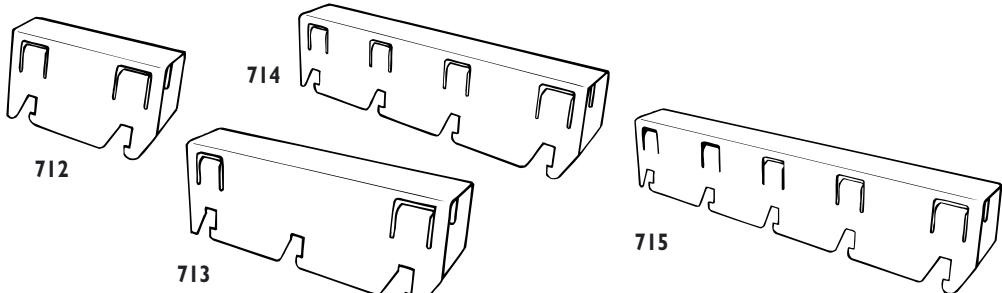
ACCESSORIES

DESCRIPTION	PART NO
Partition mounting clip 51–64–76–92–150 stud walls	704
Interchange clip P/n 127/DUOI	707
Tile holddown clip for 10mm to 16mm tiles	703
Angle bracket	188
Stabiliser clip to suit DUO5 and main/cross tees	705
Stabiliser clip to suit DUO6 and DUO7 main/cross tees	706
Terminating clip	718

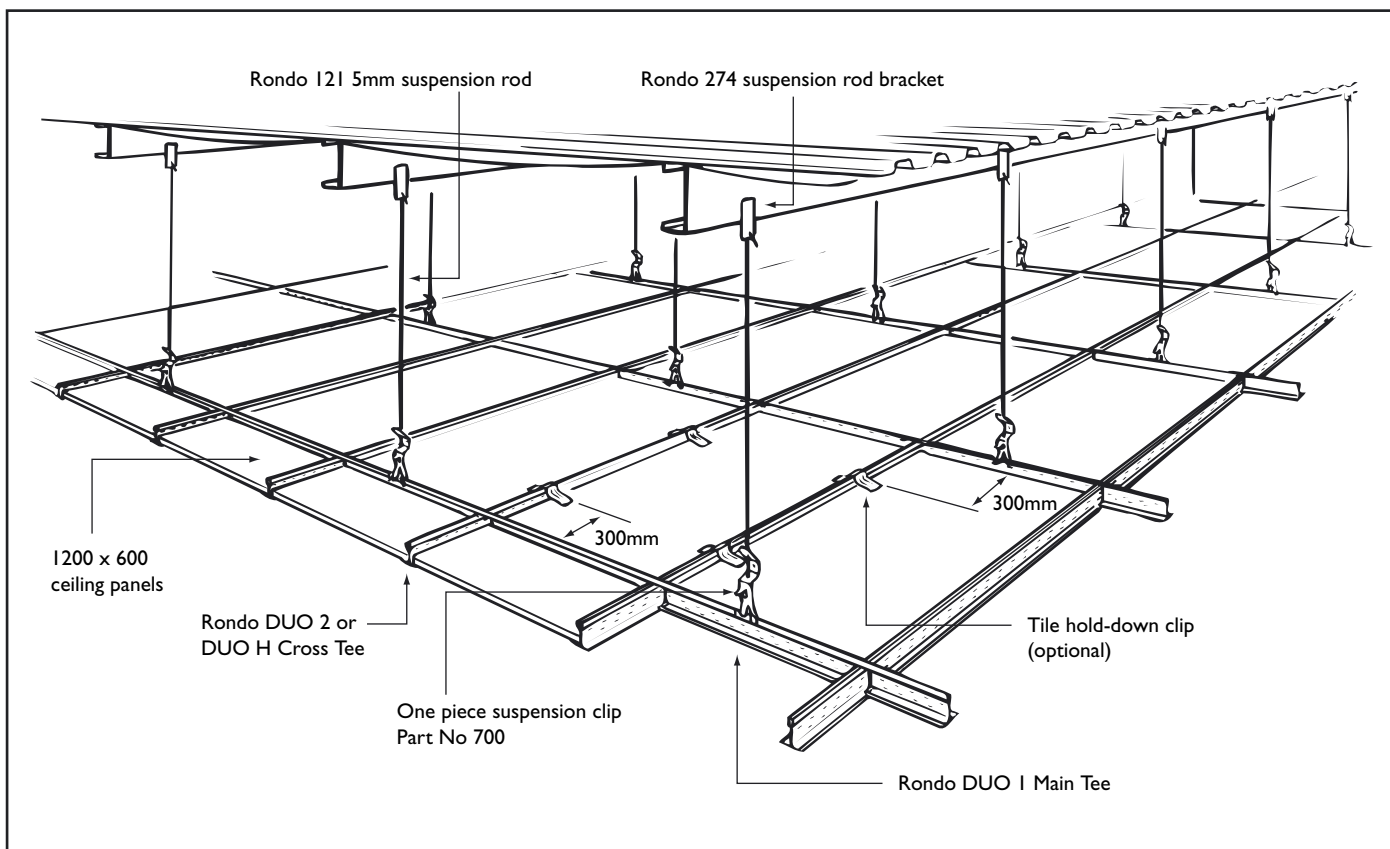


LINEAR AIR DIFFUSER CLIPS

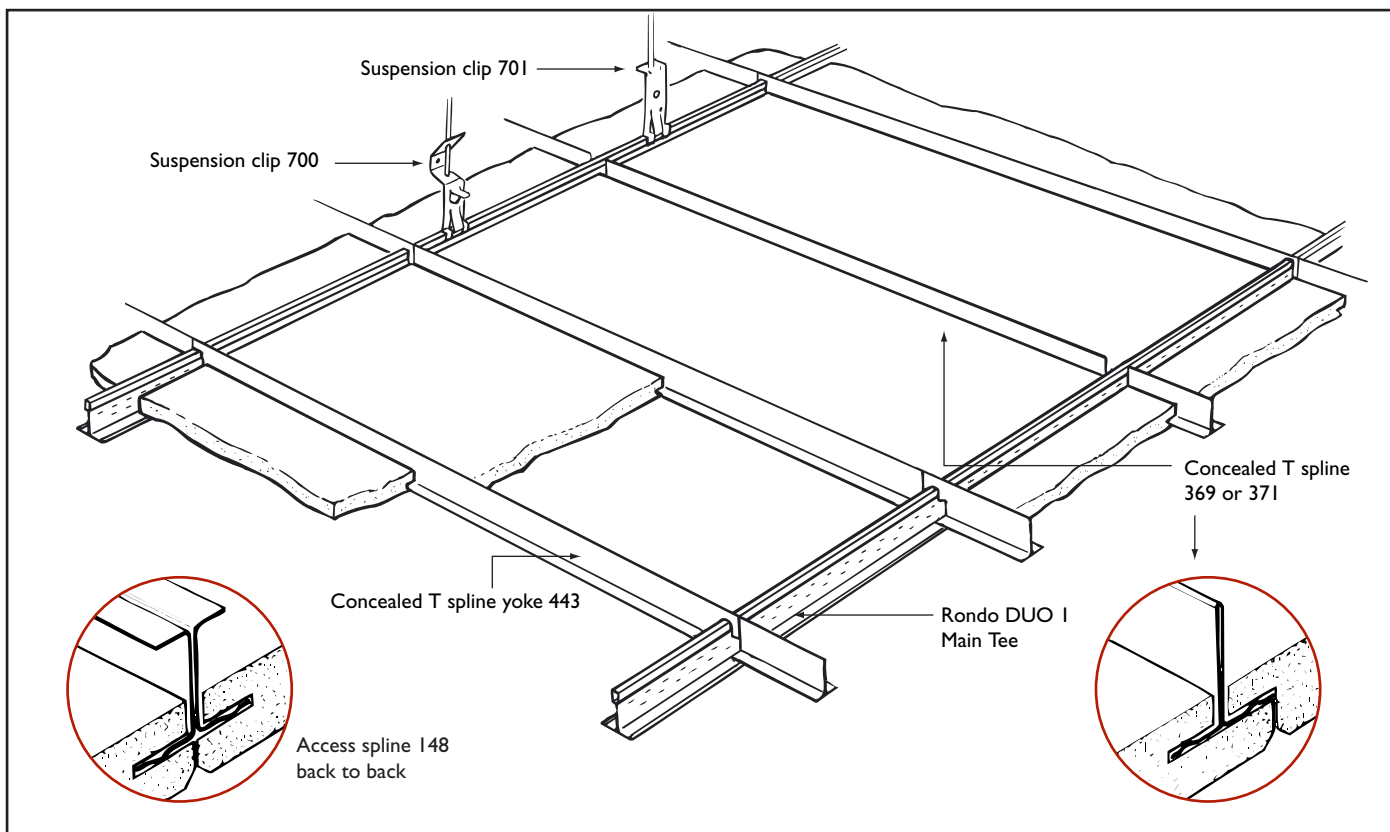
DESCRIPTION	PART NO
2 – Tee Bar 50mm cntrs	712
3 – Tee Bar 50mm cntrs	713
4 – Tee Bar 50mm cntrs	714
5 – Tee Bar 50mm cntrs	715



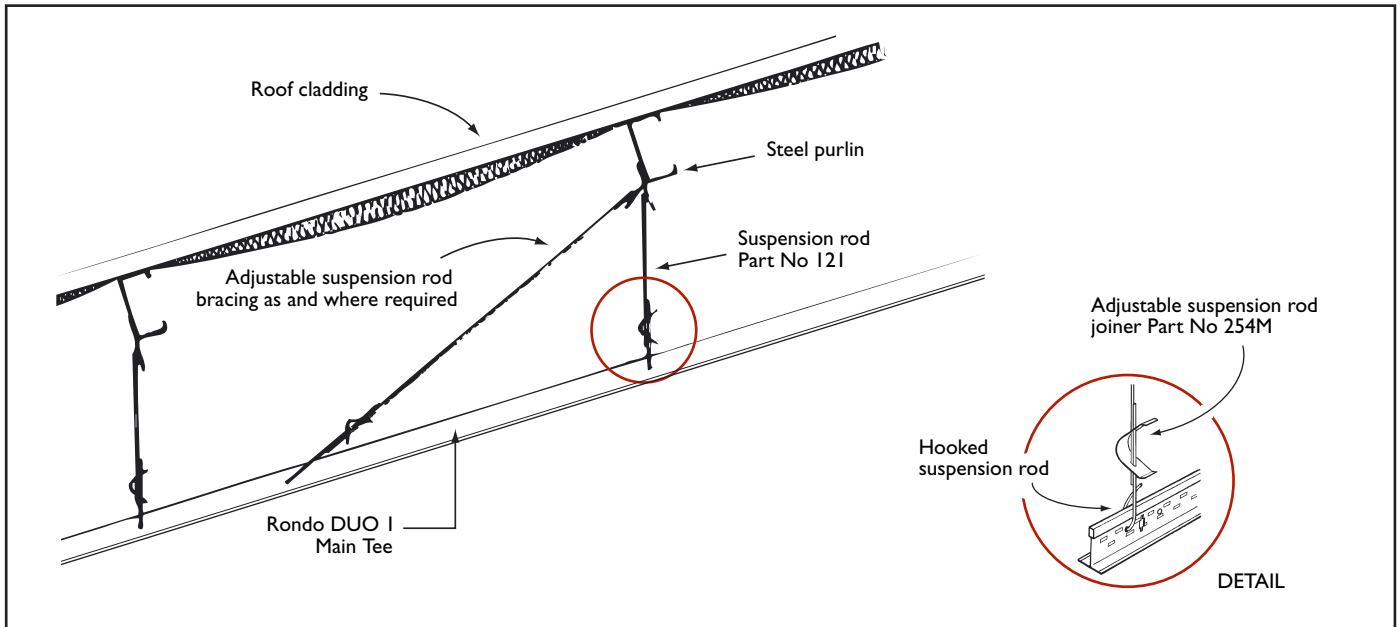
TYPICAL APPLICATION DETAILS



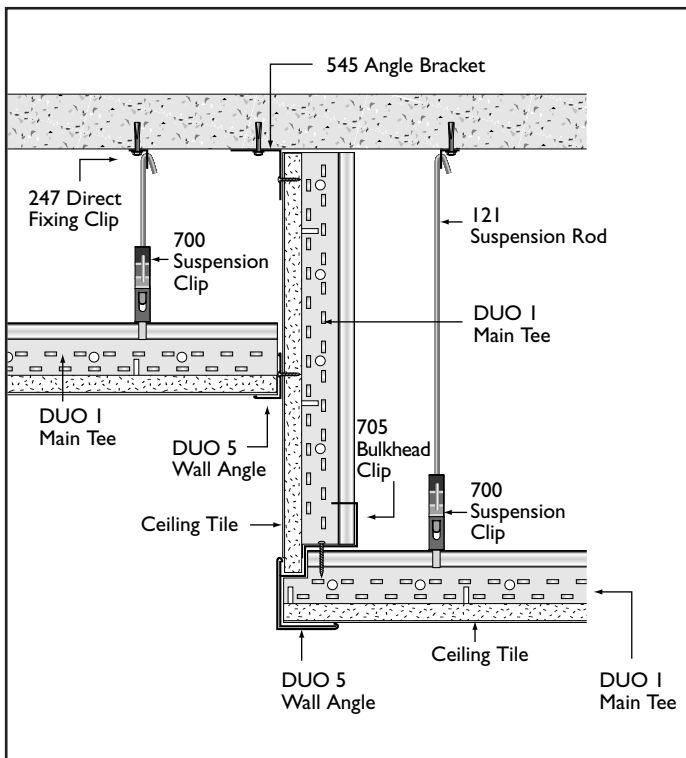
TWO-WAY EXPOSED CEILING SYSTEM DETAIL



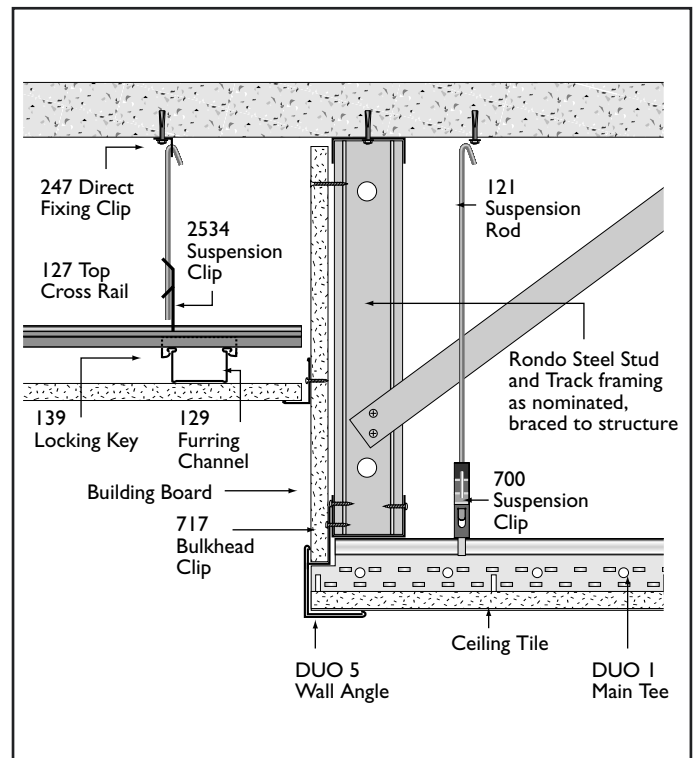
ONE-WAY LINEAR SYSTEM



SUGGESTED RAKING CEILING DETAIL (maximum pitch: 45°)



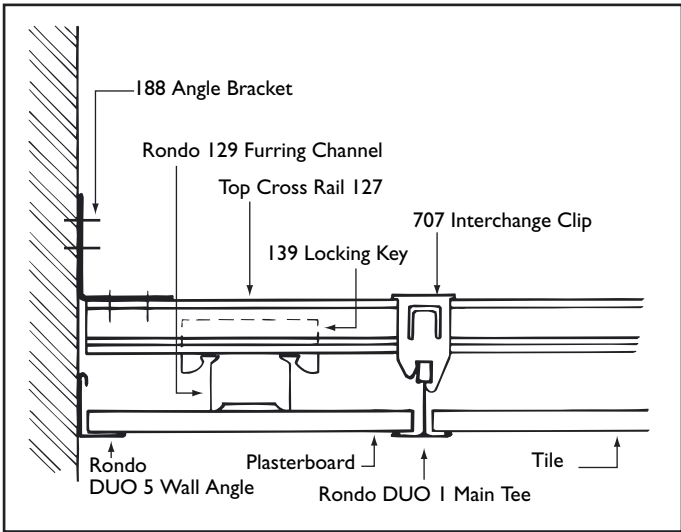
SQUARELINE BULKHEAD DETAIL (Vertical Exposed Grid)



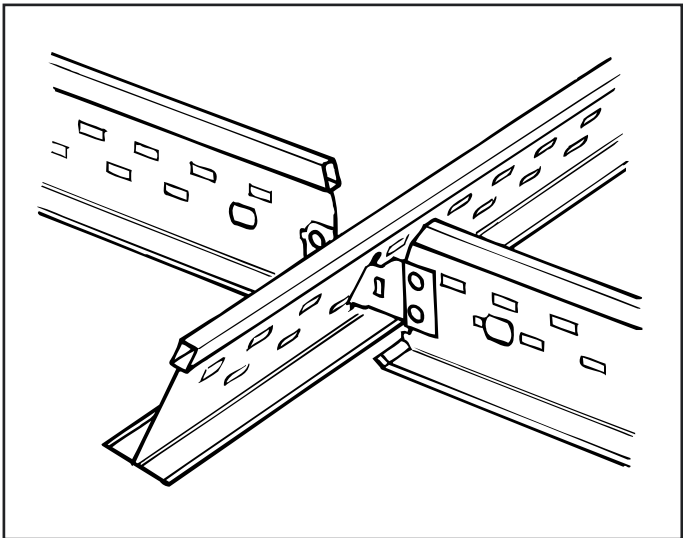
SQUARELINE BULKHEAD DETAIL (Vertical KEY-LOCK® System)

TYPICAL APPLICATION DETAILS

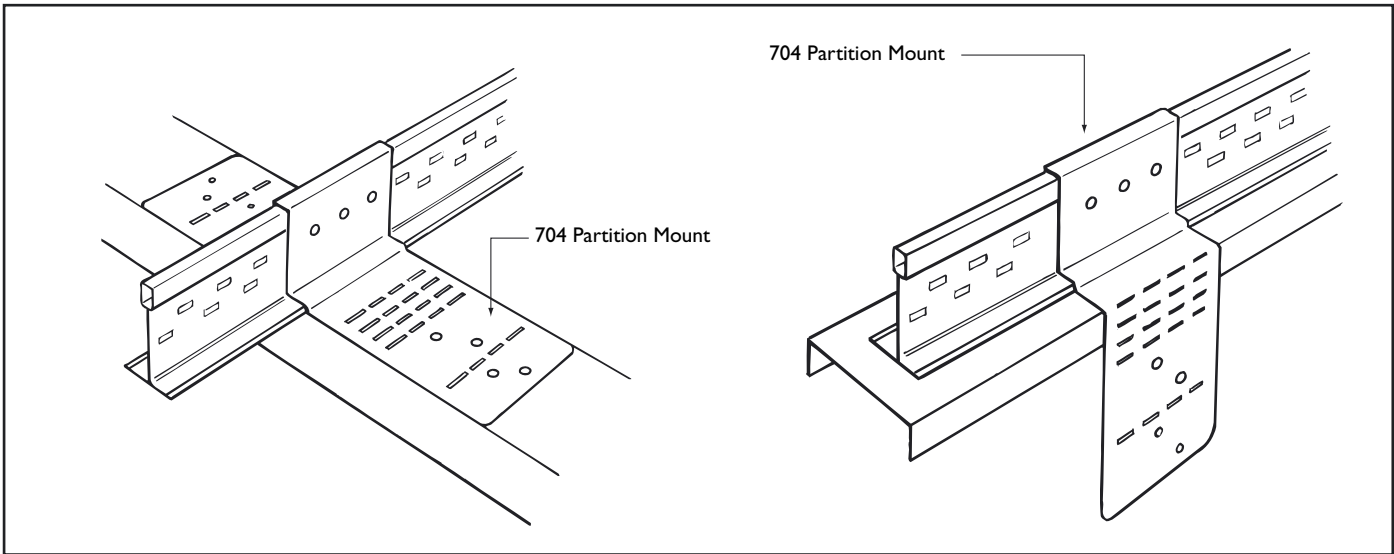
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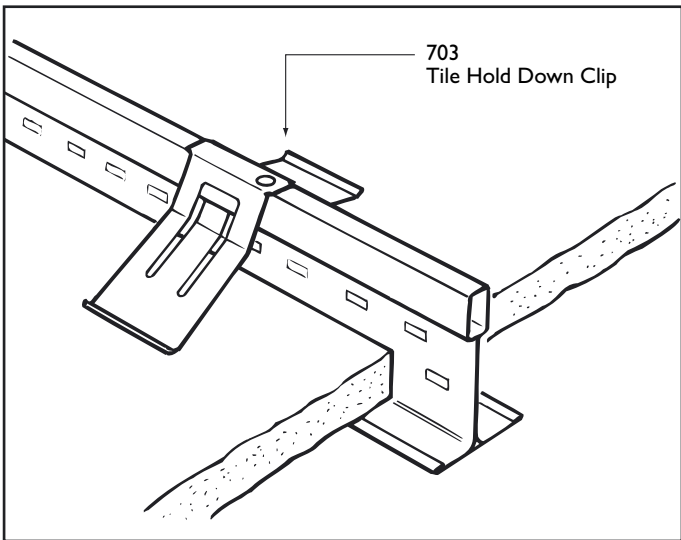
ALTERNATIVE PERIMETER DETAIL



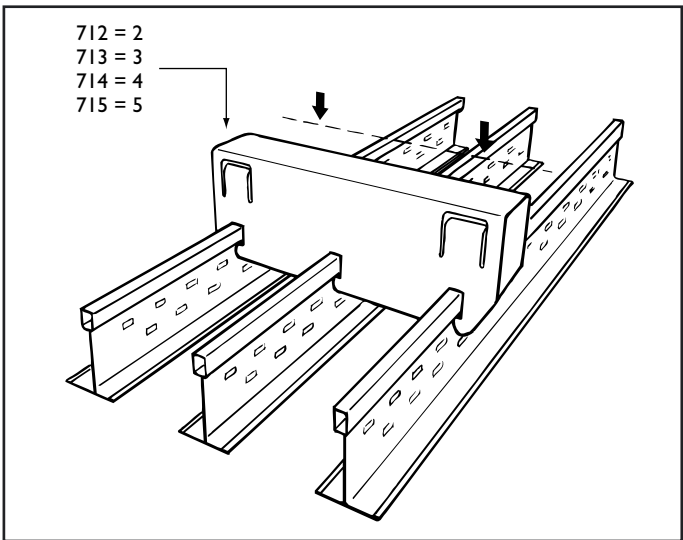
CROSS TEE REMOVAL



PARTITION MOUNTING DETAILS



TILE HOLDDOWN CLIP



AIR DIFFUSER DETAIL: 2-3-4-5

INSTALLATION DETAILS

Two-way Exposed Grid System

NOTE:

The work shall comply with the installation requirements of AS/NZS 2785:2000 by appropriately qualified trade contractors.

STEP ONE

The room must be checked on site to determine if it is out of square. Using the 3/4/5 method (Figure 1) will assist in squaring up the room before installation. Layout ceiling grid module to datum shown on architects drawing, or give equal cut tiles at perimeter walls (refer Figure 2.) Work out an even margin along the sides and at both ends.

EXAMPLE: (refer Figure 2.)

MAIN TEE:

4m divided by tile length (1.2m)
 $= 3.3$ tile modules.
 4m less 3.6m (i.e. 3 full tile lengths)
 $= 400\text{mm}$.
 Take 400mm and add one tile length (1.2m)
 $= 1.6\text{m}$.
 Divide 1.6m by 2
 $= 800\text{mm}$ margin along each side.

CROSS TEE:

5m divided by tile width (600mm)
 $= 8.3$ tile modules.
 5m less 4.8m (i.e. 8 full tile widths)
 $= 200\text{mm}$.
 Take 200mm and add one full tile width (600mm)
 $= 800\text{mm}$.
 Divide 800mm by 2
 $= 400\text{mm}$ margin at each side

STEP TWO

Mark each wall to the correct height of the ceiling.
 Cut the Perimeter wall angle trim to length, and fix to wall with suitable fasteners at 600mm maximum centres. (Refer Figure 3.)
 The Wall Angle should be mitred at corner intersections and supported at all joints by appropriate joiners. This will provide a more secure and attractive appearance. (Refer Figures 3A & 14)

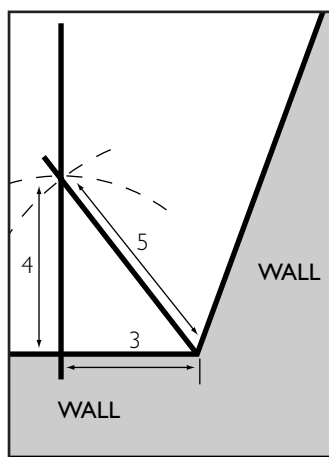


FIGURE 1: Using the 3/4/5 method to square up a room

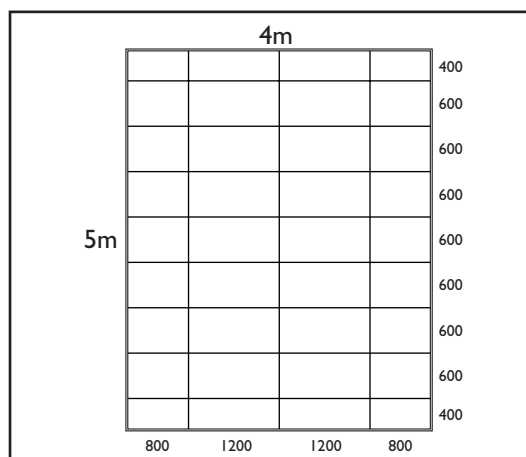


FIGURE 2: Working out even margins as per the example shown.

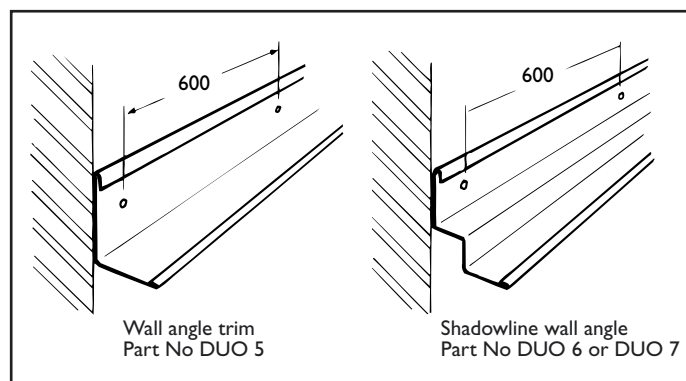


FIGURE 3: Perimeter wall angle trim

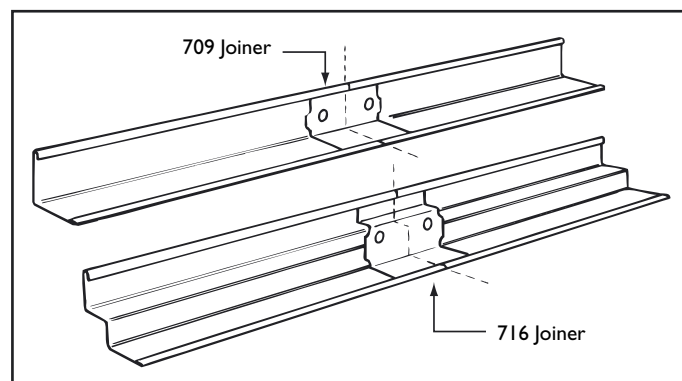


FIGURE 3A: Wall Angle Joiners

INSTALLATION DETAILS

Two-way Exposed Grid System (CONTINUED)

STEP THREE

Space the Main Tee suspension hanger brackets at 1200 mm centres maximum along supporting members (i.e. Purlins, Trusses, Concrete), with a Main Tee span of 1200mm.

STEP FOUR

Assemble adjustable suspension clips on suspension rods cut to pre-determined lengths. With 274/247, bend a hook on one end to 30° as shown. (Refer Figure 4.) Install all rods into the Suspension Brackets previously attached to supporting members. (Refer Figure 5.) If using tie-wire, ensure wire has at least three tight turns (refer Figure 4A.)

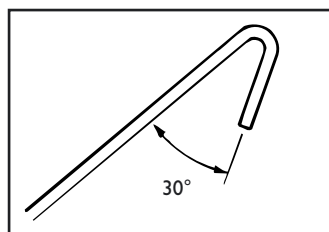


FIGURE 4: Suspension clip showing ideal bend

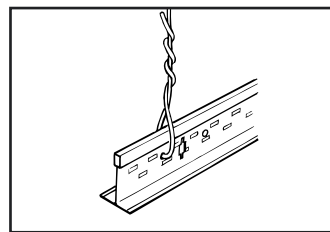


FIGURE 4A: Suspension tie-wire detail

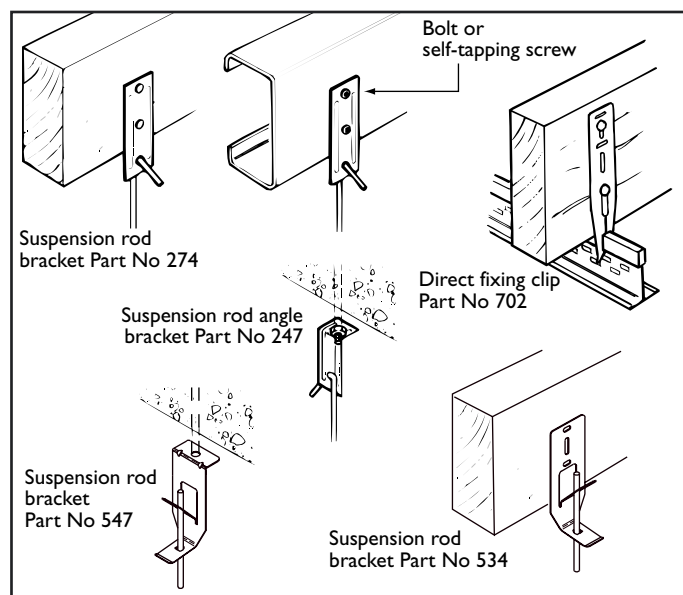


FIGURE 5: Suspension rod brackets

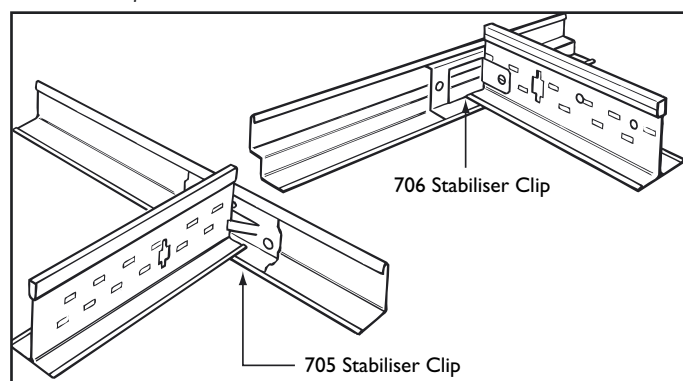


FIGURE 7: Stabiliser Clips

STEP FIVE

Cut Main Tee to length so that the first pre-punched cross tee slot is on module as determined in Step One. (If using tie-wire, refer Step 4 and Figure 4A.)

STEP SIX

Install the Main Tee into the Suspension Clips. (Refer Figure 6.) The self locking joiners are then pushed together to lock into position, leaving a hairline connection as detailed. The cut end is held in position using the stabiliser clips. (Refer Figure 7.)

NOTE:

For seismic applications, screw the cut end of the Main Tee through the stabiliser clip. Stagger joints throughout the ceiling for added performance and appearance.

STEP SEVEN

With a gentle push, install Cross Tee at 600mm centres (to form a 1200mm x 600mm grid) between Main Tee through pre-punched slots to form the required grid module.

To give the required grid module, ensure positive locking of both Cross Tee connections into each other. (Refer Figure 8.)

STEP EIGHT

Level and align the grid. The suspension points can be adjusted to either a string line or laser.

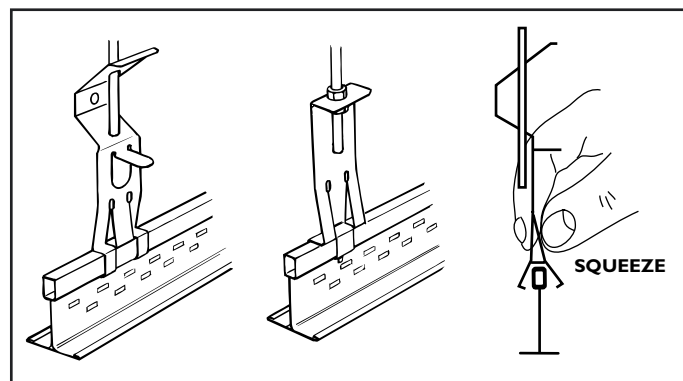


FIGURE 6: Installing the main tee into suspension clips

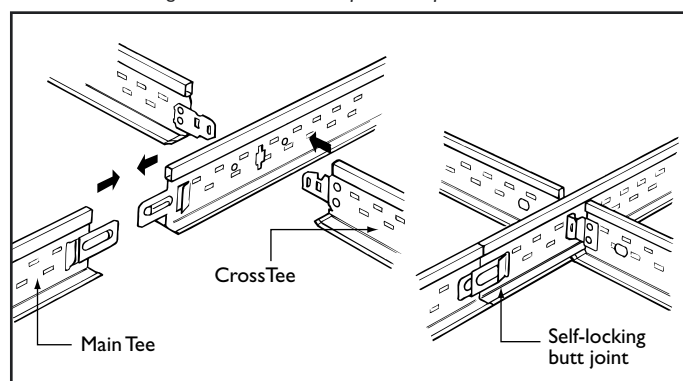


FIGURE 8: Tee jointing details

STEP NINE

In large areas to assist in stabilising the grid system, Rondo Part No. 705 or 706 should be attached to the perimeter trim at every second or third Main and Cross Tee.

STEP TEN

The grid should now be ready for the light fittings to be installed and supported on the Main Tee only. Air conditioning grills and ceiling tiles can also be installed. Additional suspension points must be used where specified to carry light fittings or ceiling attachments.

(Refer Figure 9 and maximum allowable loads on Page 17.)

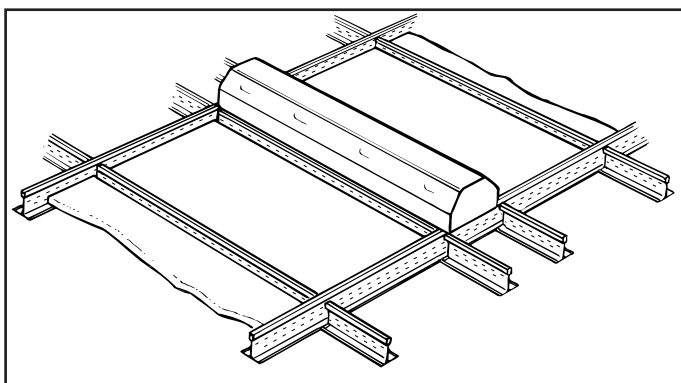


FIGURE 9: Light fitting detail

STANDARD GRID MODULES—LIGHTWEIGHT PANELS

600 x 600mm PANEL SIZE

Install the suspension system as described in the previous installation details for 1200 x 600mm light weight panel size. Space the Main Tee at 1200mm centres, and 1200mm long Cross Tees at 600mm centres, with additional 600mm long Cross Tee locked in between the 1200mm long Cross Tee to form a 600 x 600mm grid.

1200 x 600mm PANEL SIZE

Install the suspension system as described for 1200 x 600mm panel size. Space the Main Tee at 1200mm centres and the Cross Tee at 600mm centres to form a 1200 x 600mm grid.

SPANS UP TO 1800mm

If the span to support the Main Tee is more than 1200mm and less than 1800mm, space suspension clips at 1800mm maximum centres along the Main Tee.

Space the Main Tee at 600mm centres and use 600mm long Cross Tee at 1200mm centres to form a 1200 x 600mm grid.

NOTE:

For alternative grid modules, refer to the Grid Selection Guide on page 16.

INSTALLATION DETAILS

Two-way Exposed Grid Bulkhead System

The Rondo Square Line Bulkhead System allows for easy, economical and true bulkhead corner finishes to be achieved by using concealed support clips and fixings.

STEP ONE

Prepare the ends of the horizontal framing members as shown. (Refer Figure 11.)

STEP TWO

Position Support Clips 708 on the ends of the horizontal members ensuring that the heads are central to the head cut-outs for the vertical members. (Refer Figure 12.) Drill through the clip into the head and pop rivet.

STEP THREE

Introduce the Bulkhead Trim DUO5 to the support clips. (Refer Figure 13.)

STEP FOUR

Join Bulkhead Trim end to end using Joiners 709 to give a flush finish. Join the Bulkhead Trim at the corners using Internal Corner Angles 711, and External Corner Angles 710. (Refer Figure 14.)

STEP FIVE

Prepare the ends of the vertical members as shown, and introduce into the profiled cut-outs in the Support Clips. (Refer Figures 15 & 16.)

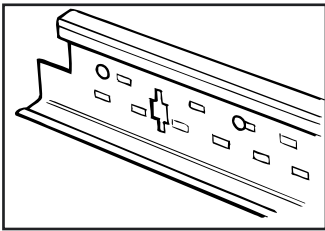


FIGURE 11: Horizontal framing members

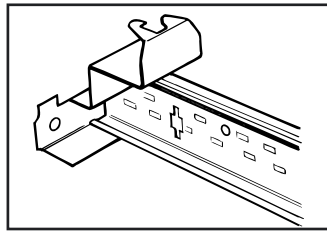


FIGURE 12: Support clips

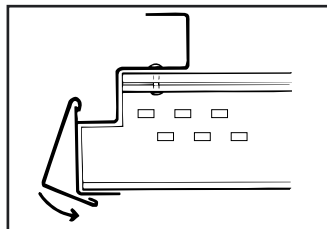


FIGURE 13: Introducing trim to the support clips

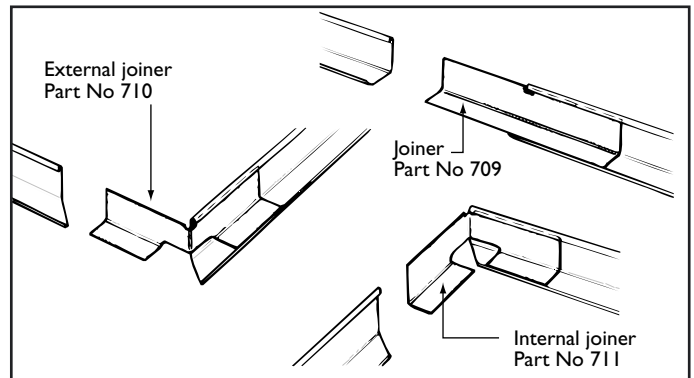


FIGURE 14: Bulkhead joiner details

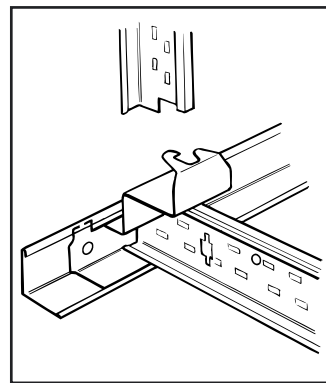


FIGURE 15: Vertical members

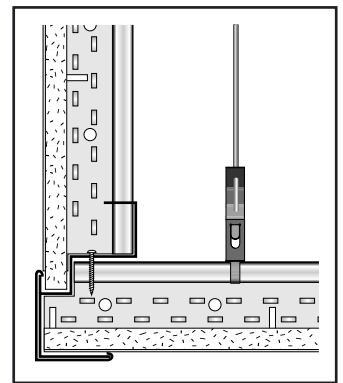


FIGURE 16: Bulkhead system detail

INSTALLATION DETAILS

Horizontal Exposed Grid Vertical Screw-fix System

STEP ONE

Install the metal framework using Rondo Steel Studs and Tracks and braced to engineer's specifications.

STEP TWO

Attach Support Clips 717 to the framework so as to line up with the plane of the exposed grid. (Refer Figure 17.)

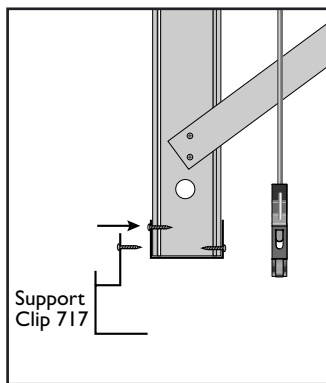


FIGURE 17: Support clips

STEP THREE

Introduce the DUO 5 Bulkhead Trim to the Support Clips. (Refer Figure 18.)

STEP FOUR

Join the Bulkhead Trim end to end using Joiners 709 to give a flush finish. Join the Bulkhead Trim at the corners using Internal Corner Joiners 711 and External Corner Joiners 710. (Refer Figure 14 on Page 12.)

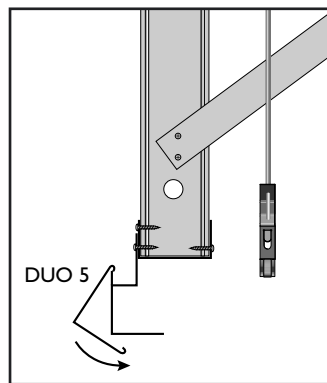


FIGURE 18: Bulkhead trims

STEP FIVE

Introduce the vertical building board and screw-fix to the framework. (Refer Figure 19.)

STEP SIX

Assemble and install the exposed grid, with the ends of the framing members prepared to fit into the Support Clips as shown. (Refer Figure 20.)

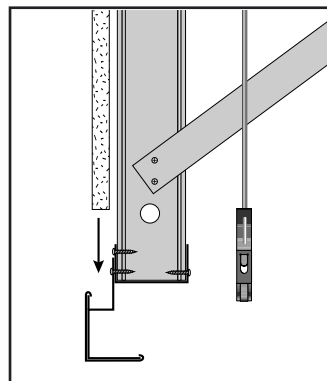


FIGURE 19: Assembly of grid

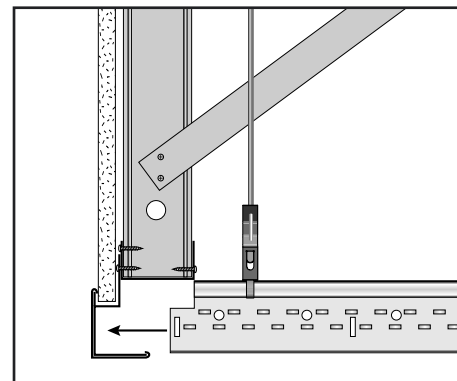


FIGURE 20: Vertical screw-fix system detail

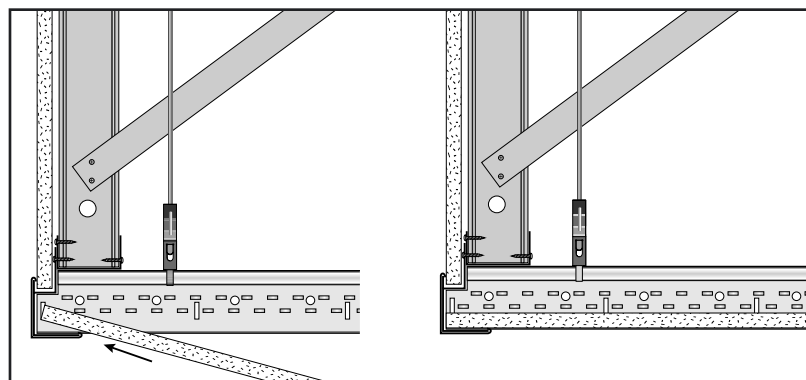


FIGURE 21: Ceiling Panel Installation

INSTALLATION TOOLS & ACCESSORIES

CUT-OFF / CUT-IN GUILLOTINE

A special guillotine used to cut Main/Cross Tees to length.

Part No. 428D

CENTRE PIECE PUNCH

This enables extra Cross Tee slots to be processed on installed grids, allowing for extra Cross Tees to be installed in non-standard configurations.

Part No. 422D

ROD BENDERS

Designed for quick and effective on-site bending of Part No 121/122 suspension rod. The tapered hardened steel rod ends give a tight 30° bend. One of the rod benders is blanked off inside, allowing the correct length of rod to be bent.

Part No. 179

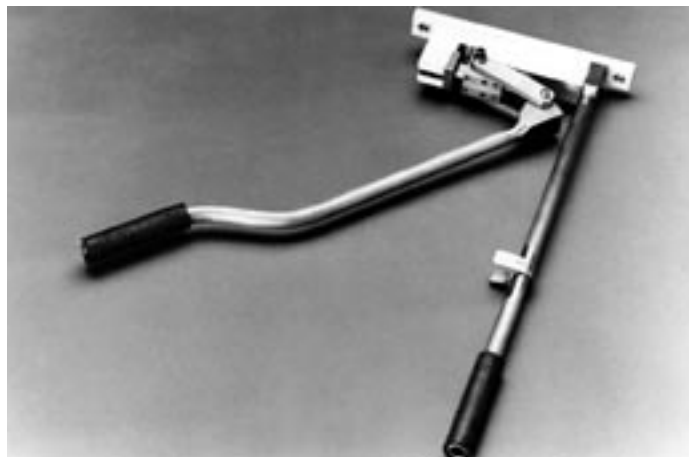
TOUCH-UP PAINT

For on-site fixing of accidental scratches that can tarnish the whole job. Rondo makes available matching touch-up paint in a 150g aerosol can (no CFCs).

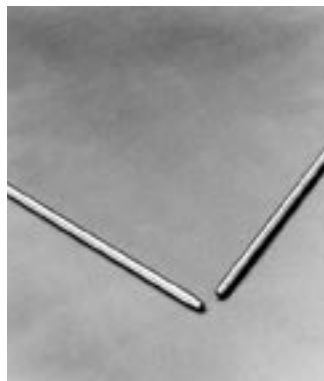
Part No. 772



CUT-OFF GUILLOTINE



CENTRE PIECE PUNCH



ROD BENDERS



TOUCH-UP PAINT

PRODUCT DATA SPECIFICATIONS

MATERIAL SPECIFICATIONS

Rondo DUO® Main and Cross Tee base sections are double-web cold rollformed from hot-dipped, zinc-coated galvanised steel strip. The exposed capping face is cold rollformed onto the base section also from hot-dipped, zinc-coated galvanised steel strip with a factory-applied polyester paint finish.

MASS

MAIN TEE:

24 x 38mm DUO1
0.30kg per lineal metre.

14 x 38mm DUO3
0.26kg per lineal metre.

CROSS TEE:

24 x 34mm DUO2
0.24kg per lineal metre.

14 x 34mm DUO4
0.21kg per lineal metre.

24 x 34mm DUOH
0.30kg per lineal metre.

ADDITIONAL LOADS

The suspension system is designed to carry the weight of the ceiling only. Additional loads are not to be placed upon or carried by the suspension system without prior reference to Rondo Technical Services.

NOTE:

See page 17 for the maximum load tables for each module design.

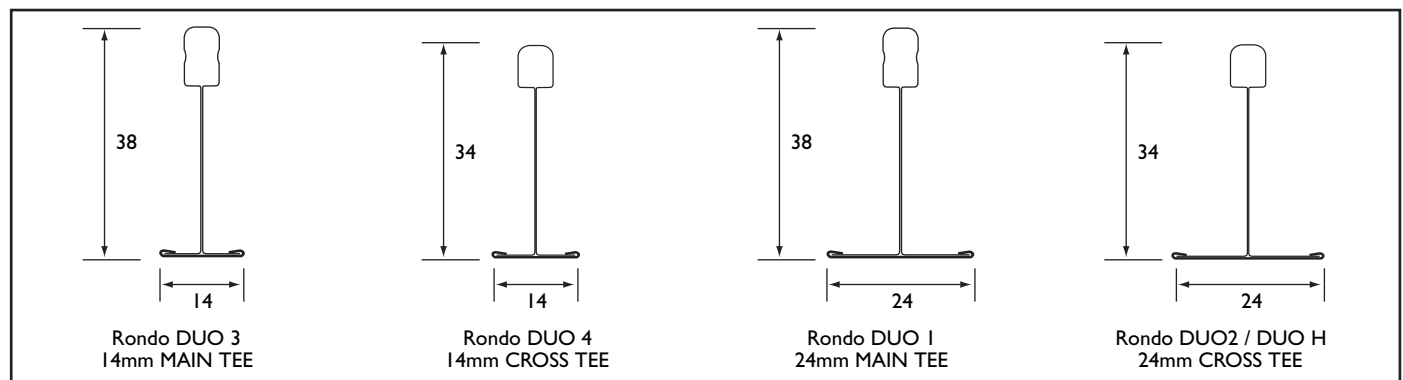


TABLE 1: Section Dimensions

RONDO PART NO.	AREA mm ²	T (BMT) mm	Xc mm	Yc mm	SELF-WEIGHT kg/m
DUO 3 14mm Main Tee	28.1	0.30	6.8	19.7	0.26
DUO 4 14mm Cross Tee	21.9	0.25	6.9	17.7	0.21
DUO 1 24mm Main Tee	31.7	0.30	11.8	21.4	0.30
DUO 2 24mm Cross Tee	24.4	0.25	11.9	19.3	0.24
DUO H Cross Tee	27.6	0.30	12.0	14.48	0.30

TABLE 2: Section Properties

RONDO PART NO	MOMENT OF INERTIA 10 ³ mm ⁴		SECTION MODULUS mm ³		RADIUS OF GYRATION mm	
	Ixx	Iyy	Zxx	Zyy	Rxx	Ryy
DUO 3 14mm Main Tee	4.38	0.10	221.8	14.80	12.3	1.88
DUO 4 14mm Cross Tee	2.76	0.07	156.3	10.72	11.2	1.83
DUO 1 24mm Main Tee	5.22	0.34	244.1	28.95	12.8	3.28
DUO 2 24mm Cross Tee	3.32	0.28	172.1	23.33	11.7	3.37
DUO H Cross Tee	3.86	0.33	203.0	28.00	11.8	3.45

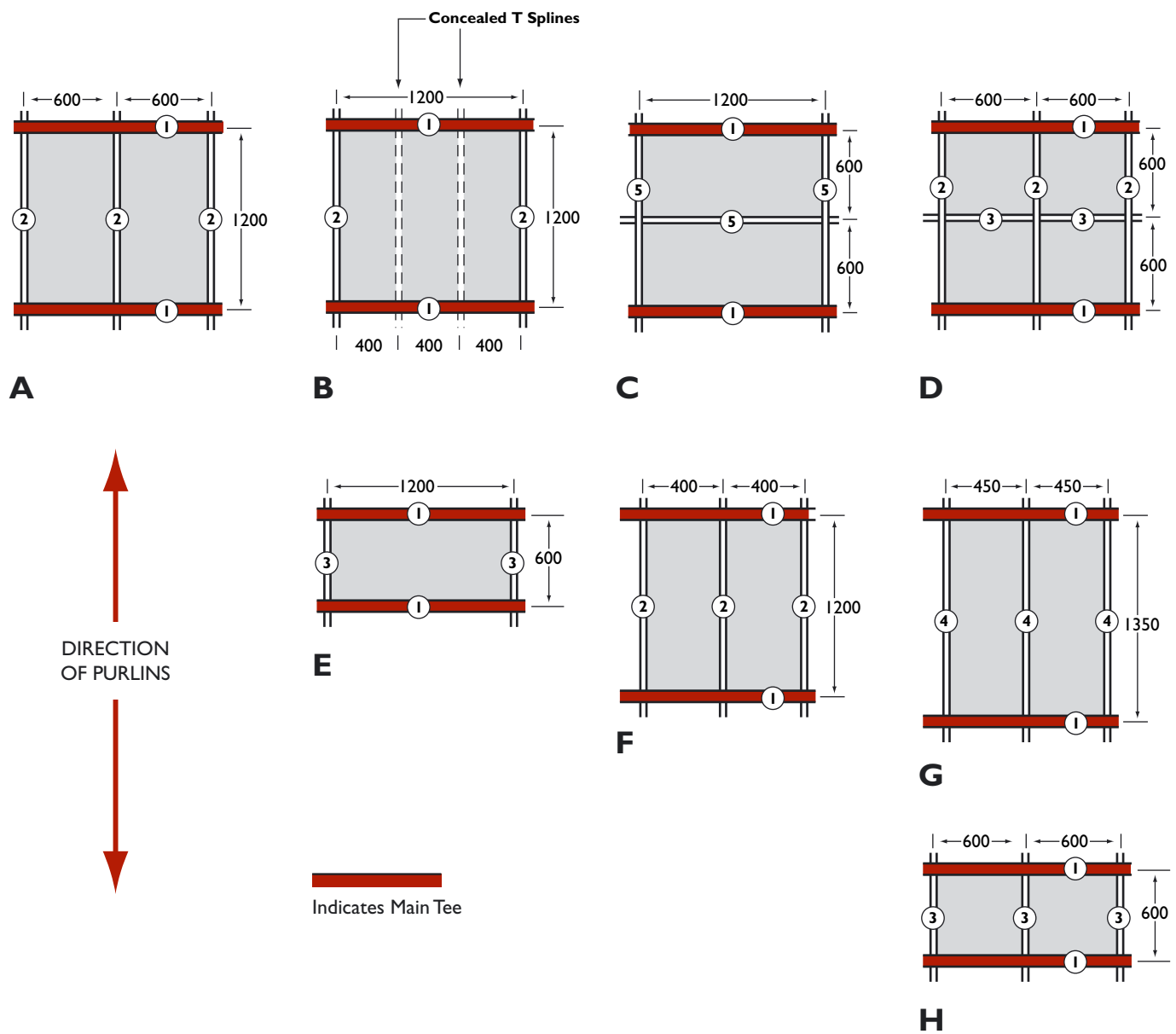
STANDARD GRIDS

NOTE:

All light fittings are to be supported on Main Tee and extra hangers fitted.

Main Tee suspension is 1200mm along its length.

Refer to manufacturer for further information regarding suspension at other centres.



GRID SELECTION GUIDE

TABLE 3: Tee Spacing/Max. Allowable Loads

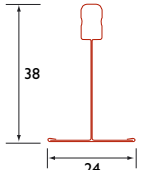
SYSTEM		FACE SIZE mm	SPACING OF M/TS mm	SPACING OF X/TS mm	ALLOWABLE LOAD kg/m ² kg
A	DUO 1-H	24	1200	600	16.2
	DUO 1-2	24	1200	600	13.5
	DUO 3-4	14	1200	600	13.5
B	DUO 1-H	24	1200	1200	21.0
	DUO 1-2	24	1200	1200	13.0
	DUO 3-4	14	1200	1200	11.5
C	DUO 1-H	24	1200	600	10.8
	DUO 3-4	14	1200	600/1200	8.5
D	DUO 1-H	24	1200	600	16.2
	DUO 1-2	24	600	600	12.0
	DUO 3-4	14	1200	600/600	11.0
E	DUO 1-2	24	600	1200	24.0
	DUO 3-4	14	600	1200	22.0
F	DUO 1-H	24	1200	400	21.0
	DUO 1-2	24	1200	400	14.5
	DUO 3-4	14	1200	400	13.5
G	DUO 1-H	24	1350	450	13.1
	DUO 1-2	24	1350	450	8.0
	DUO 3-4	14	1350	450	7.5
H	DUO 1-2	24	600	600	24.0
	DUO 3-4	14	600	600	23.0

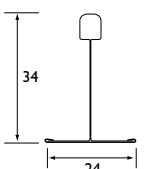
NOTE:

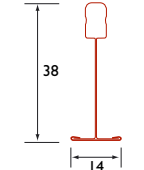
Allowable loads are based on suspension points at 1200 ctrs along the Main Tee.

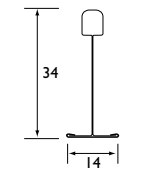
All light fittings are to be supported on Main Tees with additional hangers fitted.

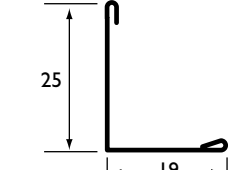
All maximum allowable load values stated assume the Main Tees are continuously spanned over three (3) or more suspension points.

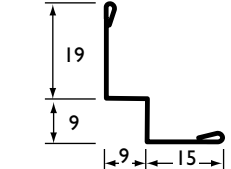
MAIN TEE	REF	PART No	LENGTH
	①	DUO 1	3600

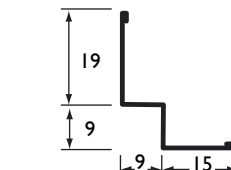
CROSS TEE	REF	PART No	LENGTH
	②	DUO 2	1200
	③		600
	④	DUO H	1350
	⑤	DUO H	1200

MAIN TEE	REF	PART No	LENGTH
	①	DUO 3	3600

CROSS TEE	REF	PART No	LENGTH
	②	DUO 4	1200
	③		600
	④		1350

WALL ANGLE	PART No	LENGTH
	DUO 5	3600

SHADOWLINE WALL ANGLE	PART No	LENGTH
	DUO 6	3600

ALUMINIUM WALL ANGLE	PART No	LENGTH
	DUO 7	3600

ARCHITECTURAL SPECIFICATIONS

SCOPE

The contractor is to furnish all materials, labour and equipment for the erection of the Rondo DUO® Exposed Ceiling Suspension System, where so indicated on the architectural drawings.

MATERIAL

The Rondo DUO® Exposed Ceiling Suspension System shall be as manufactured by Rondo Building Services Pty Ltd. All materials supplied by Rondo Building Services meet the relevant Australian and New Zealand Standards.

INSTALLATION

The Rondo DUO® Exposed Ceiling Suspension System shall be installed as per step by step instructions shown in this brochure.

The Main Tee shall be hung on soft galvanised rod or 2.5mm wire, accurately levelled.

Suspension clips shall be spaced atmm centres along the Main Tee.

Main Tees are to be spaced atmm centres with Cross Tees spaced atmm x mm grid module. Cross Tees shall intersect Main Tees and be positively locked together. Tile Hold-down Clips are to be used as required. Wall angle shall be securely fastened to the wall @ 600mm centres providing a true, level edge.

The Suspension Hangers, Main Tees, and Cross Tees shall be spaced so as not to exceed the design ceiling load, or as required to prevent deflection in excess of 1/360 of the span of the Cross Tee or Main Tee. Extra hangers are to be provided for light fittings, air conditioning units etc., that are supported by the grid system.

All light fittings are to be supported on the main tee. Down bracing is to be incorporated in ceiling systems when used externally or adjacent to openings prone to sudden uplift caused by external wind forces.

PERIMETER DETAIL

Where exposed members of the Ceiling Grid System come into contact with the Lipped Perimeter Trim, it is acceptable for these members to run onto the Perimeter Trim Protruding Leg. Stabiliser clips should be used to hold Main/Cross tee in place.

IMPORTANT

The Rondo DUO® Ceiling Suspension System is one system in the range of Rondo Ceiling systems.

It can interlock with one or more of the grid systems in the same ceiling, eg, Rondo DUO® Exposed Ceiling System can change to a KEY-LOCK® Concealed Grid System, then to a One Way Linear System, and then back to a Tee-Lock System. All positively locked together with individual provision for expansion and contraction.

The Rondo range of ceiling systems can interlock with each other in the same ceiling area, providing specialised ceilings after partitioning.

ADVISORY SERVICE

Individual projects may require special detailing and development. Technical assistance is available from our engineering staff, such as detailed drawings, custom sections, or clarification of other Rondo services.

NOTE

As new technology is introduced, or industry standards are altered, Rondo reserves the right to alter existing specifications without notice.

GUARANTEE

Rondo Building Services Pty Ltd supplies the DUO® Exposed Ceiling Suspension System which is warranted to be free from defects in material and workmanship, and will replace and/or repair any product found to be defective, if installed by a qualified tradesperson in accordance with our technical literature, and standard guarantee details. This warranty is in addition to any rights the customer may have at law. All of Rondo Building Services' products are designed to satisfy Australian and New Zealand conditions.

ADDITIONAL RONDO PRODUCTS

CEILING SYSTEMS

- Rondo KEY-LOCK® Concealed Suspended Ceiling Systems.
- Rondo DUO® Exposed Suspended Ceiling Systems.
- Rondo TAG-LOCK™ Aluminium Exposed Suspended Ceiling Systems.
- Rondo WALK-ABOUT™ Trafficable Ceiling Systems .
- Rondo Metal Ceiling Batten Systems for Residential Construction.
- Rondo Suspended Tongue & Groove Timber Ceiling Systems.

DRYWALL STEEL STUD WALL FRAMING SYSTEMS

- Rondo Drywall Steel Stud Partition Systems
(fire-rated, loadbearing/non-loadbearing, internal partition and curtain wall framing systems).
- Rondo Shaftwall Framing Systems.
- Rondo QUIET STUD® Drywall Sound Insulation Systems.

SOUND ISOLATION ASSEMBLIES FOR WALLS & CEILINGS

- Rondo Acoustic Isolation Assemblies for sound-rated wall & ceiling systems.

WALL & CEILING ACCESS PANEL SYSTEMS

- Rondo PANTHER® Access Panels (acoustic & fire-rated systems).

FINISHING SECTIONS

- Rondo EXANGLE® Building Board and Render Finishing Sections.

EZY-DRIVE

- Rondo EZY-DRIVE® Roadside Guide Posts.
- Rondo EZY-DRIVE® Utility Markers & Poly-Flex Safety Products.
- Rondo EZY-DRIVE® Roadside Accessories.
- Rondo EZY-DRIVE® STEEL-FLEX™ Flexible Steel Guide Posts.

OTHER SERVICES

- Rondo Custom Roll Forming Services.
- Rondo Technical Design and Research & Development Services.
- Rondo Freight & Logistics Services.



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