### RESIDENTIAL MULTIDEK RESIDENTIAL MULTIDEK SHEET LIST

RI-RMDW023A

RI-RMDW023B

RESIDENTIAL MULTIDEK WALL CLADDING

RESIDENTIAL MULTIDEK WALL CLADDING

	RESIDENTIAL MULTIDEK SHEET LIST				
Sheet Number Type Sheet Name					
MULTIDEK	Туре	Sheet Name			
RI-RMD00A	RESIDENTIAL MULTIDEK	RESIDENTIAL MULTIDEK SHEET LIST			
RI-RMD00B	RESIDENTIAL MULTIDEK	PROFILES & ACCESSORIES			
RI-RMD00C	RESIDENTIAL MULTIDEK	PROFILE SUMMARY - MULTIDEK			
RI-RMDR000A	RESIDENTIAL MULTIDEK ROOFING	TYPICAL TRUSS ROOF			
RI-RMDR000B	RESIDENTIAL MULTIDEK ROOFING	TYPICAL RAFTER / SLOPING CEILING ROOF			
RI-RMDR000C	RESIDENTIAL MULTIDEK ROOFING	TYPICAL EXPOSED RAFTER ROOF			
RI-RMDR001A	RESIDENTIAL MULTIDEK ROOFING	BARGE DETAIL (KICK OUT)			
RI-RMDR001B RI-RMDR002A	RESIDENTIAL MULTIDEK ROOFING	BARGE DETAIL (BIRDS BEAK)			
RI-RMDR002A	RESIDENTIAL MULTIDEK ROOFING RESIDENTIAL MULTIDEK ROOFING	HEAD BARGE DETAIL (KICK OUT)  HEAD BARGE DETAIL (BIRDS BEAK)			
RI-RMDR003A	RESIDENTIAL MULTIDEK ROOFING	CHANGE IN PITCH			
RI-RMDR004A	RESIDENTIAL MULTIDEK ROOFING	GUTTER APRON			
RI-RMDR005A	RESIDENTIAL MULTIDEK ROOFING	RIDGE AND HIP FLASHING (ROLL TOP)			
RI-RMDR005B	RESIDENTIAL MULTIDEK ROOFING	RIDGE AND HIP FLASHING (SQUARE TOP)			
RI-RMDR006A	RESIDENTIAL MULTIDEK ROOFING	VALLEY DETAIL (E2/AS1 COMPLIANCE)			
RI-RMDR006B	RESIDENTIAL MULTIDEK ROOFING	VALLEY DETAIL (NZ METAL ROOF & WALL CLADDING (CODE OF PRACTICE COMPLIANCE)			
RI-RMDR007A	RESIDENTIAL MULTIDEK ROOFING	INTERNAL GUTTER			
RI-RMDR008A	RESIDENTIAL MULTIDEK ROOFING	FIXINGS AND SHEET LAP			
RI-RMDR009A	RESIDENTIAL MULTIDEK ROOFING	RIDGE - HIP FLASHING DETAIL			
RI-RMDR010A RI-RMDR010B	RESIDENTIAL MULTIDEK ROOFING RESIDENTIAL MULTIDEK ROOFING	PARALLEL APRON FLASHING (NON CAVITY)  PARALLEL APRON FLASHING (CAVITY)			
RI-RMDR010C	RESIDENTIAL MULTIDEK ROOFING	PARALLEL APRON FLASHING (CAVITY)  PARALLEL APRON FLASHING (HORIZ MULTIDEK ON CAVITY)			
RI-RMDR010D	RESIDENTIAL MULTIDEK ROOFING	PARALLEL APRON 2 PIECE FLASHING (CAVITY)			
RI-RMDR011A	RESIDENTIAL MULTIDEK ROOFING	APRON FLASHING (NON CAVITY)			
RI-RMDR011B	RESIDENTIAL MULTIDEK ROOFING	APRON FLASHING (CAVITY)			
RI-RMDR011C	RESIDENTIAL MULTIDEK ROOFING	APRON FLASHING (HORIZ MULTIDEK ON CAVITY)			
RI-RMDR011D	RESIDENTIAL MULTIDEK ROOFING	APRON 2 PIECE FLASHING (CAVITY)			
RI-RMDR012A	RESIDENTIAL MULTIDEK ROOFING	PARALLEL HIDDEN OR OBTUSE GUTTER (NON CAVITY)			
RI-RMDR012B	RESIDENTIAL MULTIDEK ROOFING	PARALLEL HIDDEN OR OBTUSE GUTTER (CAVITY)			
RI-RMDR012C	RESIDENTIAL MULTIDEK ROOFING	PARALLEL HIDDEN OR OBTUSE 2 PIECE GUTTER (CAVITY)			
RI-RMDR013A RI-RMDR014A	RESIDENTIAL MULTIDEK ROOFING RESIDENTIAL MULTIDEK ROOFING	MANSARD / EXTERNAL CHANGE IN PITCH FLASHING  EPDM FLASHING FOR UP TO 85mm DIA PIPE			
RI-RMDR015A	RESIDENTIAL MULTIDEK ROOFING	UNDER RIDGE / APRON SOAKER FLASHING FOR PIPE / CHIMNEY PENETRATION UP TO 500mm DIA.			
RI-RMDR016A	RESIDENTIAL MULTIDEK ROOFING	UNDER RIDGE / APRON CHIMNEY FLASHING			
RI-RMDR016D	RESIDENTIAL MULTIDEK ROOFING	SKYLIGHT FLASHING			
RI-RMDR016E	RESIDENTIAL MULTIDEK ROOFING	LEVEL SOAKER CURB FLASHING			
RI-RMDR025A	RESIDENTIAL MULTIDEK ROOFING	RIDGE / BARGE JUNCTION			
RI-RMDR026A	RESIDENTIAL MULTIDEK ROOFING	INTERNAL BARGE FLASHING			
RI-RMDR027A	RESIDENTIAL MULTIDEK ROOFING	PARALLEL APRON DIVERTER JUNCTION			
RI-RMDR028A	RESIDENTIAL MULTIDEK ROOFING	RAKING INTERNAL GUTTER			
RI-RMDR030A RI-RMDR030B	RESIDENTIAL MULTIDEK ROOFING RESIDENTIAL MULTIDEK ROOFING	ROOFING INDUSTRIES GUTTER OPTIONS QUARTER & 1/2 ROUND FOR TIMBER FASCIA  ROOFING INDUSTRIES GUTTER OPTIONS 125 BOX GUTTER & OLD GOTHIC FOR TIMBER FASCIA			
RI-RMDW001A-1	RESIDENTIAL MULTIDEK ROOFING RESIDENTIAL MULTIDEK WALL CLADDING	BARGE DETAIL FOR VERTICAL CLADDING ON CAVITY (KICK OUT)			
RI-RMDW001X 1	RESIDENTIAL MULTIDEK WALL CLADDING	BARGE DETAIL FOR VERTICAL CLADDING ON CAVITY (MOR GOT)			
RI-RMDW002A-1	RESIDENTIAL MULTIDEK WALL CLADDING	HEAD BARGE FOR VERTICAL CLADDING ON CAVITY ON CAVITY (KICK OUT)			
RI-RMDW002B-1	RESIDENTIAL MULTIDEK WALL CLADDING	HEAD BARGE FOR VERTICAL CLADDING ON CAVITY (BIRDS BEAK)			
RI-RMDW003A-1	RESIDENTIAL MULTIDEK WALL CLADDING	STANDARD EXTERNAL CORNER FOR VERTICAL CLADDING ON CAVITY - OPTION 1			
RI-RMDW003A-2	RESIDENTIAL MULTIDEK WALL CLADDING	STANDARD EXTERNAL CORNER FOR VERTICAL CLADDING ON CAVITY - OPTION 2			
RI-RMDW003B-1	RESIDENTIAL MULTIDEK WALL CLADDING	EXTERNAL CORNER FOR VERTICAL CLADDING ON CAVITY WITH CLADDING CHANGE			
RI-RMDW004A-1	RESIDENTIAL MULTIDEK WALL CLADDING	STANDARD INTERNAL CORNER FOR VERTICAL CLADDING ON CAVITY			
RI-RMDW004B-1	RESIDENTIAL MULTIDEK WALL CLADDING	INTERNAL CORNER FOR VERTICAL CLADDING WITH CLADDING CHANGE			
RI-RMDW005A-1	RESIDENTIAL MULTIDEK WALL CLADDING RESIDENTIAL MULTIDEK WALL CLADDING	BOTTOM OF CLADDING FOR VERTICAL RIBLINE ON CAVITY  SOFFIT FLASHING FOR VERTICAL RIBLINE ON CAVITY			
RI-RMDW006A-1 RI-RMDW007A-1	RESIDENTIAL MULTIDER WALL CLADDING RESIDENTIAL MULTIDEK WALL CLADDING	SLOPING SOFFIT FLASHING FOR VERTICAL RIBLINE ON CAVITY			
RI-RMDW009A-1	RESIDENTIAL MULTIDEK WALL CLADDING	VERTICAL BUTT JOINT - VERTICAL CLADDING ON CAVITY WITH CLADDING CHANGE (DIRECT FIXED)			
RI-RMDW009B-1	RESIDENTIAL MULTIDEK WALL CLADDING	VERTICAL BUTT JOINT - VERTICAL CLADDING ON CAVITY WITH CLADDING CHANGE (CAVITY)			
RI-RMDW010A-1	RESIDENTIAL MULTIDEK WALL CLADDING	VERTICAL CLADDING ON CAVITY JUNCTION FLASHING			
RI-RMDW011A-1	RESIDENTIAL MULTIDEK WALL CLADDING	BALUSTRADE FOR VERTICAL CLADDING ON CAVITY			
RI-RMDW012A-1	RESIDENTIAL MULTIDEK WALL CLADDING	HEAD FLASHING FOR VERTICAL CLADDING ON CAVITY (RECESSED WINDOW/DOOR)			
RI-RMDW012B-1	RESIDENTIAL MULTIDEK WALL CLADDING	JAMB FLASHING FOR VERTICAL CLADDING ON CAVITY. (RECESSED WINDOW/DOOR)			
RI-RMDW012C-1	RESIDENTIAL MULTIDEK WALL CLADDING	SILL FLASHING FOR VERTICAL CLADDING ON CAVITY. (RECESSED WINDOW/DOOR)			
RI-RMDW015A-1	RESIDENTIAL MULTIDEK WALL CLADDING	METER BOX HEAD FLASHING FOR VERTICAL CLADDING ON CAVITY			
RI-RMDW016A-1	RESIDENTIAL MULTIDEK WALL CLADDING	METER BOX SIDE FLASHING FOR VERTICAL CLADDING ON CAVITY			
RI-RMDW017A-1	RESIDENTIAL MULTIDEK WALL CLADDING RESIDENTIAL MULTIDEK WALL CLADDING	METER BOX BASE FLASHING FOR VERTICAL CLADDING ON CAVITY  BARGE DETAIL FOR HORIZONTAL CLADDING (KICK OUT)			
RI-RMDW021A		TRANSPER THE FAIR FOR HODIZONI AT CLAUDING AND A CALL A			

EXTERNAL CORNER FLASHING FOR HORIZONTAL CLADDING

ALTERNATIVE EXTERNAL CORNER FLASHING FOR HORIZONTAL CLADDING

Detail Number:	: RI-RMDOOA
Date drawn:	: RI-RMD00A 07/07/2017

RESIDENTIAL MULTIDEK SHEET LIST				
Sheet Number	Туре	Sheet Name		
RI-RMDW024A	RESIDENTIAL MULTIDEK WALL CLADDING	INTERNAL CORNER FLASHING FOR HORIZONTAL CLADDING		
RI-RMDW024B	RESIDENTIAL MULTIDEK WALL CLADDING	ALTERNATIVE INTERNAL CORNER FLASHING FOR HORIZONTAL CLADDING		
RI-RMDW025A	RESIDENTIAL MULTIDEK WALL CLADDING	BOTTOM OF CLADDING FOR HORIZONTAL RIBLINE		
RI-RMDW026A	RESIDENTIAL MULTIDEK WALL CLADDING	SOFFIT FLASHING FOR HORIZONTAL RIBLINE		
RI-RMDW027A	RESIDENTIAL MULTIDEK WALL CLADDING	SLOPING SOFFIT FLASHING FOR HORIZONTAL RIBLINE		
RI-RMDW028A	RESIDENTIAL MULTIDEK WALL CLADDING	VERTICAL BUTT JOINT FOR HORIZONTAL CLADDING		
RI-RMDW028B	RESIDENTIAL MULTIDEK WALL CLADDING	VERTICAL BUTT JOINT FOR HORIZONTAL CLADDING, OPTION 2		
RI-RMDW029A	RESIDENTIAL MULTIDEK WALL CLADDING	VERTICAL BUTT JOINT FOR HORIZONTAL CLADDING TO ALTERNATIVE CLADDING (UP TO 25MM)		
RI-RMDW030A	RESIDENTIAL MULTIDEK WALL CLADDING	HORIZONTAL CLADDING JUNCTION FLASHING		
RI-RMDW031A	RESIDENTIAL MULTIDEK WALL CLADDING	BALUSTRADE FOR HORIZONTAL CLADDING		
RI-RMDW032A	RESIDENTIAL MULTIDEK WALL CLADDING	HEAD FLASHING FOR HORIZONTAL CLADDING (RECESSED WINDOW/DOOR)		
RI-RMDW032B	RESIDENTIAL MULTIDEK WALL CLADDING	JAMB FLASHING FOR HORIZONTAL CLADDING (RECESSED WINDOW/DOOR)		
RI-RMDW032C	RESIDENTIAL MULTIDEK WALL CLADDING	SILL FLASHING FOR HORIZONTAL CLADDING (RECESSED WINDOW/DOOR)		
RI-RMDW040A	RESIDENTIAL MULTIDEK WALL CLADDING	METER BOX HEAD FLASHING FOR HORIZONTAL CLADDING		
RI-RMDW041A	RESIDENTIAL MULTIDEK WALL CLADDING	METER BOX SIDE FLASHING FOR HORIZONTAL CLADDING		
RI-RMDW042A	RESIDENTIAL MULTIDEK WALL CLADDING	METER BOX BASE FLASHING FOR HORIZONTAL CLADDING		





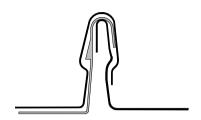
Detail Number: RI-RMDOOB RESIDENTIAL MULTIDEK Date drawn: 07/07/2017 PROFILES & ACCESSORIES ROOFING INDUSTRIES 'MULTIDEK' ROOFING INDUSTRIES BARGE FLASHING ROOFING INDUSTRIES BARGE/PARAPET CAPPING ROOFING INDUSTRIES CHANGE IN PITCH FLASHING ROOFING INDUSTRIES GUTTER APRON FLASHING ROOFING INDUSTRIES 'MULTIDEK' HEAD FLASHING ROOFING INDUSTRIES COVER FLASHING ROOFING INDUSTRIES SOFFIT FLASHING ROOFING INDUSTRIES APRON FLASHING ROOFING INDUSTRIES RIDGE FLASHING **FIXINGS** HEAD FLASHING JAMB FLASHING ALTERNATE JAMB FLASHING ROOFING INDUSTRIES METER BOX FLASHING ROOFING INDUSTRIES CLADDING CHANGE SILL FLASHING CAVITY CLOSER METAL ANGLE ROOFING INDUSTRIES CORNER FLASHING ROOFING INDUSTRIES EXTERNAL CORNER ROOFING INDUSTRIES VERTICAL BUTT JOINT FLASHING ROOFING INDUSTRIES INTERNAL CORNER ROOFING INDUSTRIES CLADDING BASE FLASHING Copyright detail (C) 2017 roof.co.nz

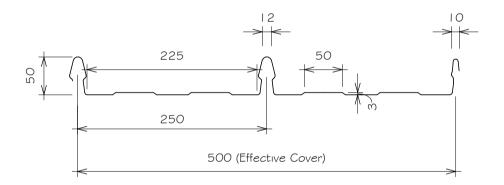
### RESIDENTIAL MULTIDEK PROFILE SUMMARY - MULTIDEK

Detail Number: RI-RMDOOC

Date drawn: 07/07/2017

MULTIDEK Lap





#### MULTIDEK

#### Minimum Pitch

The minimum roof pitch for MULTIDEK is 3 degrees (approx 1:20).

Any variation from the above should be referred to Roofing Industries.

When a combination of sheets provide a run of in excess of 40 metres and up to 60 metres the roof pitch should be increased by I degree. Longer lengths require specific design. When rainfall intensity exceeds I OOmm/hour the minimum pitches need to be increased by a further I degree for every IO metres of run over 40 metres

The building design pitch may need to be higher to take into account any cumulative deflections of the frame, purlin and roof sheeting or penetrations.

For curved roofing the roof cladding must not terminate at a pitch lower than permitted

Side laps of curved sheets must be sealed to any areas below the minimum pitches permitted above.





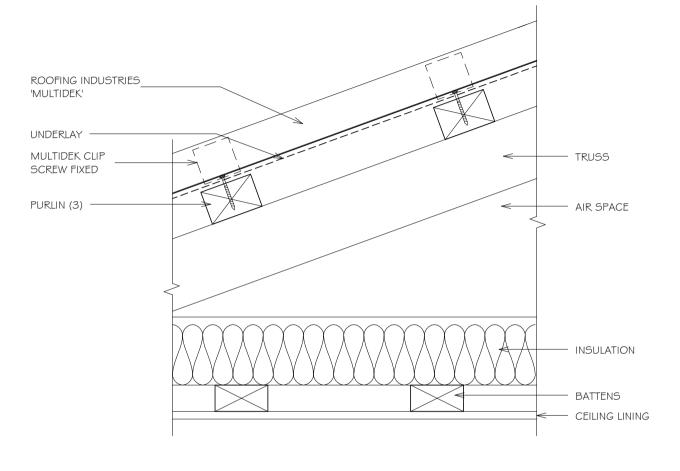


## RESIDENTIAL MULTIDEK ROOFING TYPICAL TRUSS ROOF

Detail Number: RI-RMDROOOA

Date drawn: 07/07/2017

Scale: 1:5@ A4



#### NOTF:

- MINIMUM PITCH 3°.
- VENTILATION OF ATTIC / ROOF SPACE MAY BE REQUIRED. REFER TO MRM CODE OF PRACTICE.
- VENTILATED/CASTELLATED PURLIN MAY BE USED

#### NOTES:

- These details are generally in compliance with E2/AS I and/or the NZ Metal Roof \$ Wall Cladding Code of Practice and in some cases specific details by 'Roofing Industries'
- The building designer is ultimately responsible to ensure that details used meet the requirements of the NZ Building Code for the specific project.
- Details of the supporting structure including cavity battens are indicative only and are the responsibility of the building designer. For steel framed buildings thermal break cavity battens may be required.
- Underlay selection and building wrap types are the responsibility of the designer, Netting or other support is generally required at roof pitches less than 8 degrees combined with a self supporting paper. At roof pitches of 8° and above where non-self supporting paper is used or purlin spacing is in excess of self supporting criteria, netting or other support should be used. Alternative support to netting should be used in severe coastal environments including when aluminium is used.
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- Further information can be obtained from the NZ Metal Roof # Wall Cladding Code of Practice: www.metalroofing.org.nz OR NZBC clause E2/AS I.

Copyright detail (C)

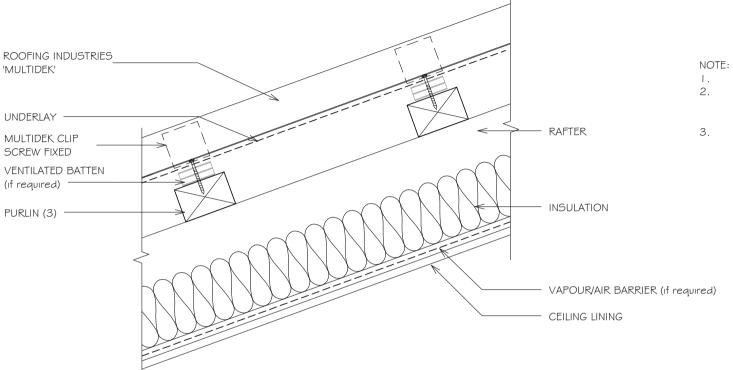


## RESIDENTIAL MULTIDEK ROOFING TYPICAL RAFTER / SLOPING CEILING ROOF

Detail Number: RI-RMDROOOB

Date drawn: 07/07/2017

Scale: 1:5@ A4



- MINIMUM PITCH 3°.
- VENTILATION OF ATTIC / ROOF SPACE MAY BE REQUIRED. REFER TO MRM CODE OF PRACTICE
- VENTILATED/CASTELLATED PURLIN MAY BE
   USED

#### NOTES:

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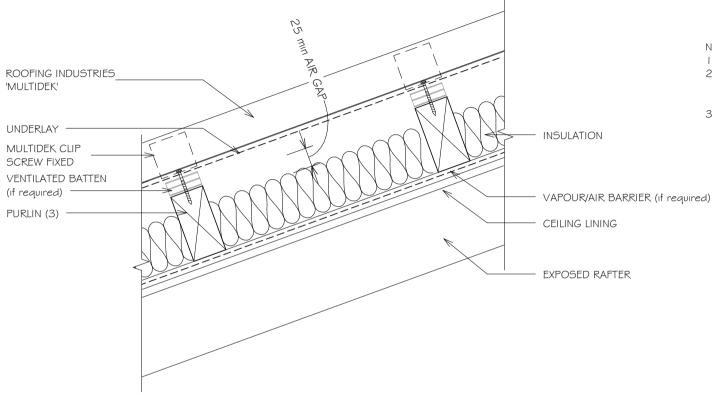


## RESIDENTIAL MULTIDEK ROOFING TYPICAL EXPOSED RAFTER ROOF

Detail Number: RI-RMDROOOC

Date drawn: 07/07/2017

Scale: 1:5@ A4



#### NOTE:

- MINIMUM PITCH 3°.
- VENTILATION OF ATTIC / ROOF SPACE MAY BE REQUIRED. REFER TO MRM CODE OF PRACTICE.
- 3. VENTILATED/CASTELLATED PURLIN MAY BE USED

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### RESIDENTIAL MULTIDEK ROOFING BARGE DETAIL (KICK OUT)

BARGE FLASHING
SCREW FIXING

NULTIDER

KICK-OUT at bottom edge of vertical flashing

FASCIA BD

EAVE SOFFIT

Detail Number: RI-RMDROOIA

Date drawn: 07/07/2017

Scale: 1:5@ A4

SITE WIND ZONE		MINIMUM		
(As per NZ53604)		Z	(5)	Y
SITUATION I	(1)	50mm	(4)	2 crests
SITUATION 2	(2)	75mm	(4)	2 "
SITUATION 3	(3)	90mm	(4)	2 "

#### NOTES:

SCREW FIXING WITH 12X25

- I. SITUATION I: IN LOW, MEDIUM OR HIGH WIND ZONES, WHERE ROOF PITCH IS IO° OR GREATER.
- 2. SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH WIND ZONES, FOR ALL LESSER WIND ZONES WHERE ROOF PITCH IS LESS THAN 10°.
- 3. SITUATION 3: FOR ALL ROOF PITCHES IN EXTRA HIGH HIGH ZONES.
- EXCLUDING DRIP EDGE.
- 5. INCREASE DISTANCE 'Z' BY 25mm WHEN AGAINST A PROFILED SURFACE OR TO 1 00mm WHICHEVER IS THE LESSER.

#### NOTES:

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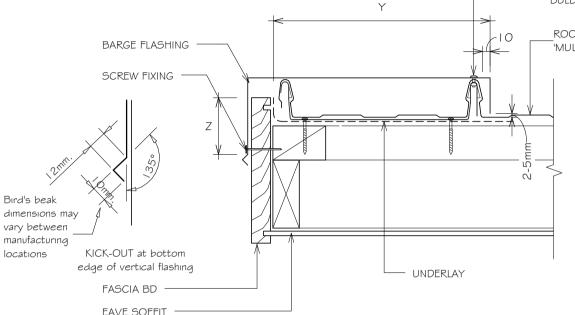




### RESIDENTIAL MULTIDEK ROOFING BARGE DETAIL (BIRDS BEAK)

SCREW FIXING WITH 12X25
TIMBER TEK \$ NEO OR 4.8mm
BULB TYPE SELF SEALING RIVETS

ROOFING INDUSTRIES
'MULTIDEK'



SITE WIND ZO	MINIMUM				
(As per NZ53604)		Z	(5)	Y	
SITUATION I	(1)	50mm	(4)	2 crests	
SITUATION 2	(2)	75mm	(4)	2 "	
SITUATION 3	(3)	90mm	(4)	2 "	

Detail Number: RI-RMDROOLB

Date drawn: 07/07/2017

Scale: 1:5@ A4

#### NOTES:

- I. SITUATION I: IN LOW, MEDIUM OR HIGH WIND ZONES, WHERE ROOF PITCH IS 10° OR GREATER.
- 2. SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH WIND ZONES, FOR ALL LESSER WIND ZONES WHERE ROOF PITCH IS LESS THAN I O°.
- 3. SITUATION 3: FOR ALL ROOF PITCHES IN EXTRA HIGH HIGH ZONES.
- EXCLUDING DRIP EDGE.
- 5. INCREASE DISTANCE 'Z' BY 25mm WHEN AGAINST A PROFILED SURFACE OR TO I O0mm WHICHEVER IS THE LESSER.

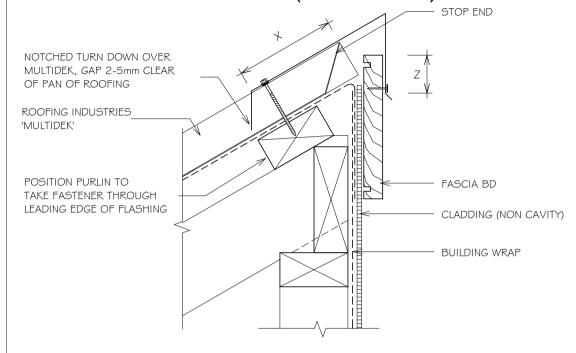
#### NOTES:

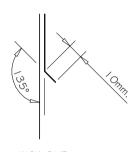
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RESIDENTIAL MULTIDEK ROOFING HEAD BARGE DETAIL (KICK OUT)





KICK-OUT at bottom edge of vertical flashing

Detail Number: RI-RMDR002A

Date drawn: 07/07/2017

Scale: 1:5@ A4

SITE WIND ZONE		MINIMUM		
(As per NZS3604)		Z	(5)	×
SITUATION I	(1)	50mm	(4)	I 50mm <sup>(6)</sup>
SITUATION 2	(2)	75mm	(4)	200mm <sup>(6)</sup>
SITUATION 3	(3)	90mm	(4)	200mm <sup>(6)</sup>

#### NOTES:

- . SITUATION I: IN LOW, MEDIUM OR HIGH WIND ZONES, WHERE ROOF PITCH IS 10° OR GREATER
- 2. SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH WIND ZONES, FOR ALL LESSER WIND ZONES WHERE ROOF PITCH IS LESS THAN I O°.
- 3. SITUATION 3: FOR ALL ROOF PITCHES IN EXTRA HIGH HIGH ZONES.
- EXCLUDING DRIP EDGE.
- 5. INCREASE DISTANCE 'Z' BY 25mm WHEN
  AGAINST A PROFILED SURFACE OR TO
  I OOmm WHICHEVER IS THE LESSER.
- EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING.

#### NOTES:

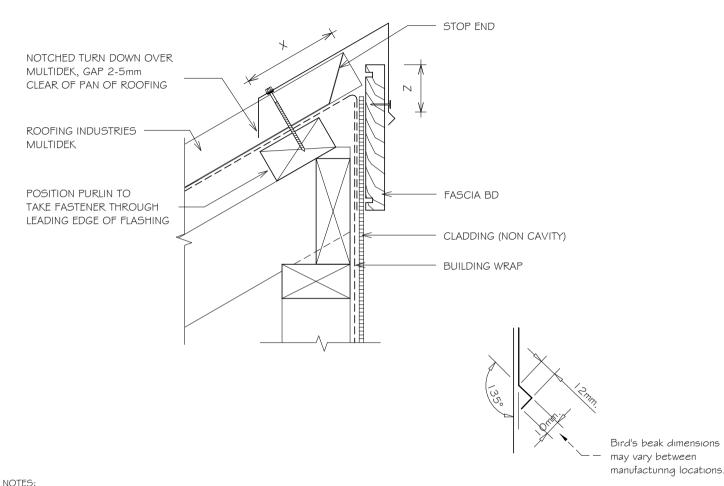
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- These details to be read with Roofing Industries profile technical summary regarding wind loads and fixings.
- Further information can be obtained from the NZ Metal Roof # Wall Cladding Code of Practice: www.metalroofing.org.nz OR NZBC clause E2/AS I.







### RESIDENTIAL MULTIDEK ROOFING HEAD BARGE DETAIL (BIRDS BEAK)



Detail Number: RI-RMDR002B

Date drawn: 07/07/2017

Scale: 1:5@ A4

SITE WIND	MINIMUM			
(As per NZS3604)		Z	(5)	X
SITUATION I	(1)	50mm	(4)	I 50mm <sup>(6)</sup>
SITUATION 2	(2)	75mm	(4)	200mm <sup>(6)</sup>
SITUATION 3	(3)	90mm	(4)	200mm <sup>(6)</sup>

#### NOTES:

- SITUATION I: IN LOW. MEDIUM OR HIGH WIND ZONES. WHERE ROOF PITCH IS 10° OR GREATER
- SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH WIND ZONES. FOR ALL LESSER WIND ZONES WHERE ROOF PITCH IS LESS THAN 10°.
- SITUATION 3: FOR ALL ROOF PITCHES IN EXTRA HIGH HIGH ZONES.
- EXCLUDING DRIP EDGE.
- INCREASE DISTANCE 'Z' BY 25mm WHEN AGAINST A PROFILED SURFACE OR TO 100mm WHICHEVER IS THE LESSER.
- EXCLUDING ANY SOFT FDGE OR TURN-DOWN TO ROOFING.

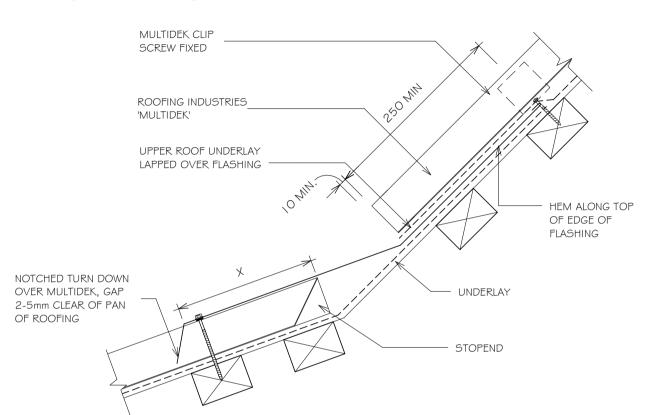






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### RESIDENTIAL MULTIDEK ROOFING CHANGE IN PITCH



Detail Number: RI-RMDR003A

Date drawn: 07/07/2017

Scale: 1:5@ A4

SITE WIND ZONE	MIN mm	(X)
(As per NZ53604)	UPPER LAP UNDER ROOFING	TRANSVERSE FLASHING OVER ROOFING
SITUATION I (2)	250 <sup>(1)</sup>	I 50 <sup>(5)</sup>
SITUATION 2 (3)	250 <sup>(1)</sup>	200 (5)
SITUATION 3 (4)	(6)	

#### NOTES:

- UNLESS OTHERWISE DIMENSIONED IN DETAILS
- SITUATION 1: IN LOW, MEDIUM OR HIGH WIND ZONES, WHERE ROOF PITCH IS 10° OR GREATER.
- 3. SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH WIND ONES, FOR ALL LESSOR WIND ZONES WHERE ROOF PITCH LESS THAN 10°.
- 4. SITUATION 3: FOR ALL ROOF PITCHES IN EXTRA
- EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING.
- 6. NOT PERMITTED UNDER E2/AS I, REFER NZ METAL ROOF \$ WALL CLADDING CODE OF PRACTICE.

#### NOTES:

- These details are generally in compliance with E2/AS I and/or the NZ Metal Roof \$ Wall Cladding Code of Practice and in some cases specific details by 'Roofing Industries'
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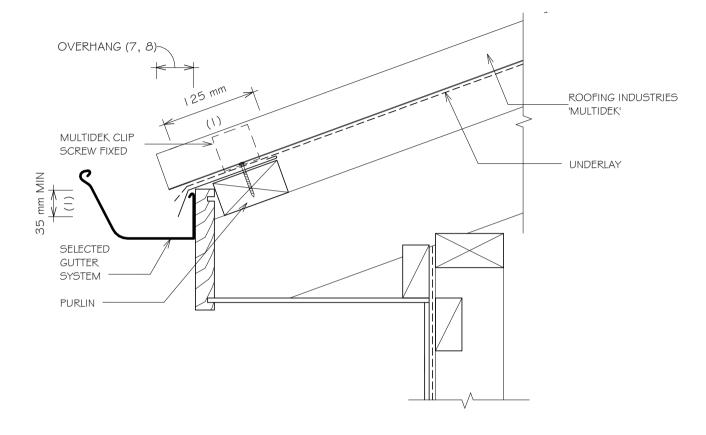


### RESIDENTIAL MULTIDEK ROOFING GUTTER APRON

Detail Number: RI-RMDR004A

Date drawn: 07/07/2017

Scale: 1:5@ A4



#### NOTES:

- . REQUIRED TO ALL ROOFS UNDER 10° WHERE ALL OF THE FOLLOWING CONDITIONS No. 2-4 ARE MFT
- 2. ROOFS UNDER 10° PITCH.
- WHERE EAVES OVERHANG IS LESS THAN OR EQUAL TO 100mm.
- WHERE WIND ZONES ARE VERY HIGH OR EXTRA HIGH.
- 5. ALSO RECOMMENDED IN VERY CORROSIVE ENVIRONMENTS AND WHEN SPOUTING IS LOW.
- G. DESIGNER MAY ALSO CHOOSE TO INCLUDE OPTIONALLY.
- 7. ALL ROOF CLADDING WITH A PITCH OF LESS THAN 8 DEGREES MUST BE PROVIDED WITH TURN DOWN TO ENSURE WATER IS DIRECTED INTO GUTTER.
  - ROOF OVERHANG:

< 10 DEGREES

= 70mm

10 - 35 DEGREES

= 50mm

35 - 40 DEGREES

= 40mm

REFER TO MRM CODE OF PRACTICE.

#### NOTES:

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Copyright detail



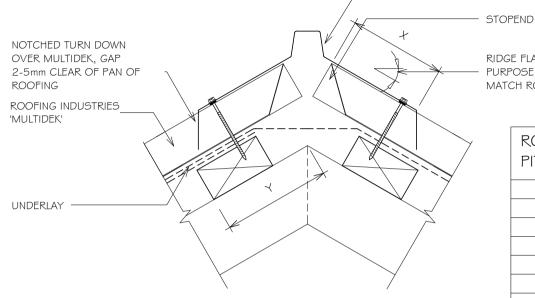
2017



### RESIDENTIAL MULTIDEK ROOFING RIDGE AND HIP FLASHING (ROLL TOP)

ROLL TOP RIDGE FLASHING

RIDGE FLASHING PURPOSE MADE TO MATCH ROOF PITCH



ROOF	DISTANCE Y mm		
PITCH	SITUATION I	SITUATION 2	
8°	N/A	218	
10°	167	217	
15°	162	212	
20°	156	206	
25°	150	200	
30°	143	193	
35°	134	184	
40°	125	175	
45°	115	165	

FOR STANDARD 50mm PURLINS ON FLAT

SITE WIND ZONE	MINIMUM mm (X)
(As per NZS3604)	TRANSVERSE FLASHING OVER ROOFING
SITUATION I (1)	I 30 <sup>(3)</sup>
SITUATION 2 (2)	200 <sup>(3)</sup>

Detail Number: RI-RMDROO5A

Date drawn: 07/07/2017

Scale: 1:5@ A4

#### NOTES:

- SITUATION I: IN LOW. MEDIUM OR HIGH WIND ZONES, WHERE ROOF PITCH IS 10° OR GREATER.
- 2. SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH AND EXTRA HIGH WIND ZONES, FOR ALL WIND ZONES WHERE ROOF PITCH LESS THAN 10°.
- EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING
- FOR VENTILATION, BUILDING PAPER MAY REQUIRE SLOTS CUT AT RIDGE LINE. REFER MRM CODE OF PRACTICE

#### NOTES:

- These details are generally in compliance with E2/AS I and/or the NZ Metal Roof \$ Wall Cladding Code of Practice and in some cases specific details by 'Roofing
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- These details to be read with Roofing Industries profile technical summary regarding wind loads and fixings.
- Further information can be obtained from the NZ Metal Roof # Wall Cladding Code of Practice: www.metalroofing.org.nz OR NZBC clause E2/AS I.

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### RESIDENTIAL MULTIDEK ROOFING RIDGE AND HIP FLASHING (SQUARE TOP)

NOTCHED TURN DOWN OVER MULTIDEK, GAP 2-5mm CLEAR OF PAN OF ROOFING ROOFING INDUSTRIES 'MUITIDEK' **UNDFRIAY** 

VEE (4) TOP RIDGE FLASHING

STOPEND

RIDGE FLASHING PURPOSE MADE TO MATCH ROOF PITCH

ROOF	DISTANCE Y mm		
PITCH	SITUATION I	SITUATION 2	
8°	N/A	218	
10°	167	217	
15°	162	212	
20°	156	206	
25°	150	200	
30°	143	193	
35°	134	184	
40°	125	175	
45°	115	165	
FOR CTANIDARD FO PURLING ON FLAT			

FOR STANDARD 50mm PURLINS ON FLAT

SITE WIND ZONE	MINIMUM mm (X)
(As per NZS3604)	TRANSVERSE FLASHING OVER ROOFING
SITUATION I (1)	130 <sup>(3)</sup>
SITUATION 2 (2)	200 <sup>(3)</sup>

Detail Number: RI-RMDR005B

Date drawn: 07/07/2017

Scale: 1:5@ A4

#### NOTES:

- SITUATION I: IN LOW, MEDIUM OR HIGH WIND ZONES. WHERE ROOF PITCH IS 10° OR GREATER.
- SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH AND EXTRA HIGH WIND ZONES. FOR ALL WIND ZONES WHERE ROOF PITCH LESS THAN 10°.
- EXCLUDING ANY SOFT FDGE OR TURN-DOWN TO ROOFING.
- THIS TYPE OF RIDGING SUITABLE ONLY WHEN ROOF SHEET LENGTH < 6 METERS OR ROOF PITCH > 35 DEGREES.
- FOR VENTILATION. BUILDING PAPER MAY REQUIRE SLOTS CUT AT RIDGE LINE. REFER MRM CODE OF PRACTICE



Copyright detail



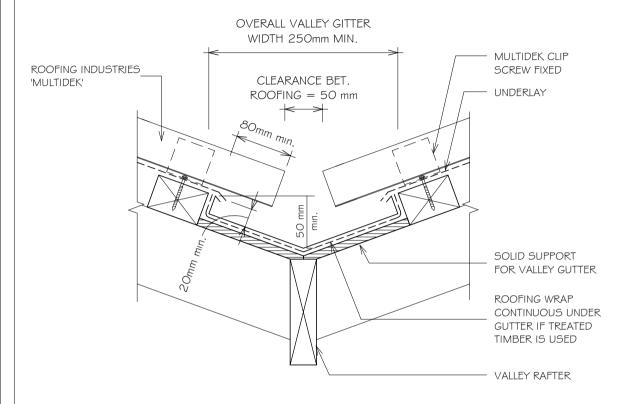
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## RESIDENTIAL MULTIDEK ROOFING VALLEY DETAIL (E2/AS | COMPLIANCE)

Detail Number: RI-RMDROOGA

Date drawn: 07/07/2017

Scale: 1:5@ A4



GUTTER WIDTH	MAXIMUM CATCHMENT AREA	MIN ROOF PITCH (4)
250mm	25m2	8°
I 60mm	I Gm2	12.5°

#### NOTES:

- I. GUTTERS IN ACCORDANCE WITH NEW ZEALAND BUILDING CODE
- 2. RAINFALL INTENSITY WITH AVERAGE RECURRENCE INTERVAL (ARI)
  NO GREATER THAN 200 mm PER HOUR
- 3. MINIMUM WIDTH OF VALLEY GUTTER MAY REDUCE TO 160mm, PROVIDING ROOF CATCHMENT AREA IS IN ACCORDANCE WITH THE TABLE ABOVE. IN THIS CASE, COVER OF ROOF CLADDING OVER GUTTER SHALL BE REDUCED TO 60 mm TO PROVIDE A CLEARANCE GAP OF 40mm
- 4. FOR ROOF PITCHES 8° OR GREATER, FOR LESSOR PITCHES USE INTERNAL GUTTER.

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- The building designer is ultimatley responsible to ensure that details used meet the requirements of the NZ Building Code for the specific project.
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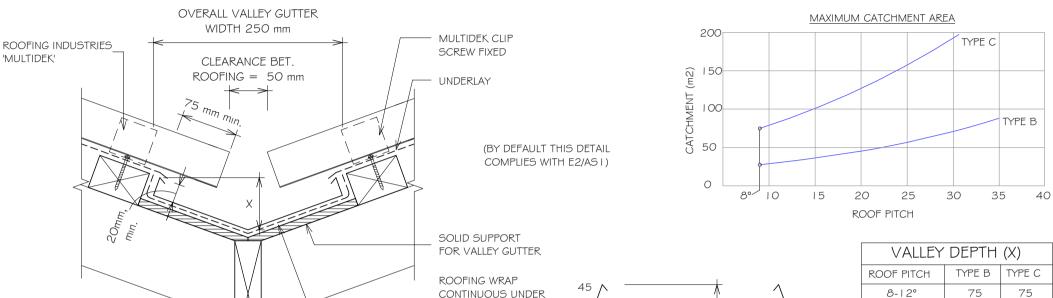


### RESIDENTIAL MULTIDEK ROOFING VALLEY DETAIL (NZ METAL ROOF \$ WALL CLADDING (CODE OF PRACTICE COMPLIANCE)

Detail Number: RI-RMDR006B

Date drawn: 07/07/2017

Scale: 1:5@ A4



**GUTTER IF TREATED** TIMBER IS USED

45 /		^
	X	TYPE C
NOTE	~ · ·	

VALLEY DEPTH (X)			
ROOF PITCH	TYPE B	TYPE C	
8-12°	75	75	
>12-35°	50	70	
>35° (I)	50	70	

- (1) ADDITION OF CENTRAL BAFFLE RECOMMENDED
- (2) ROOF PITCHES BELOW 8° REQUIRE AN INTERNAL GUTTER

#### NOTES:

These details are generally in compliance with E2/AS I and/or the NZ Metal Roof \$ Wall Cladding Code of Practice and in some cases specific details by 'Roofing

VALLEY RAFTER

- The building designer is ultimatley responsible to ensure that details used meet the requirements of the NZ Building Code for the specific project.
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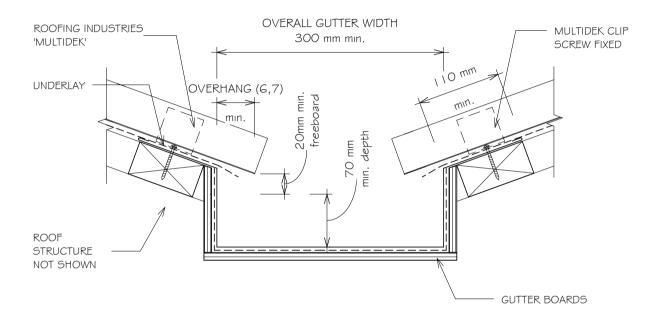


### RESIDENTIAL MULTIDEK ROOFING INTERNAL GUTTER

Detail Number: RI-RMDROO7A

Date drawn: 07/07/2017

Scale: 1:5@ A4



#### NOTES:

- 1 GUTTERS INSTALLED OVER ROOF UNDERLAY IF GUTTER BOARDS ARE TREATED TIMBER.
- INTERNAL GUTTER SHALL BE SIZED TO SUIT THE ROOF CATCHMENT AREA. BUT SHALL BE NO LESS THAN SHOWN IN THIS FIGURE.
- INTERNAL GUTTER SHOULD BE MADE FROM NONFERROUS METAL'S COMPATIBLE WITH THE ROOFING MATERIAL
- GUTTER SIZES TO BE CALCULATED FROM EI/ASI OR MRM CODE OF PRACTICE
- MAVE A MINIMUM SLOPE OF 1:100
- ALL ROOF CLADDING WITH A PITCH OF LESS THAN 8 DEGREES MUST BE PROVIDED WITH TURN DOWN TO ENSURE WATER IS DIRECTED INTO GUTTER.
- ROOF OVERHANG:

< 10 DEGREES

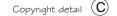
10 - 35 DEGREES

= 70mm= 50mm

35 - 40 DEGREES =40mm

REFER TO MRM CODE OF PRACTICE.

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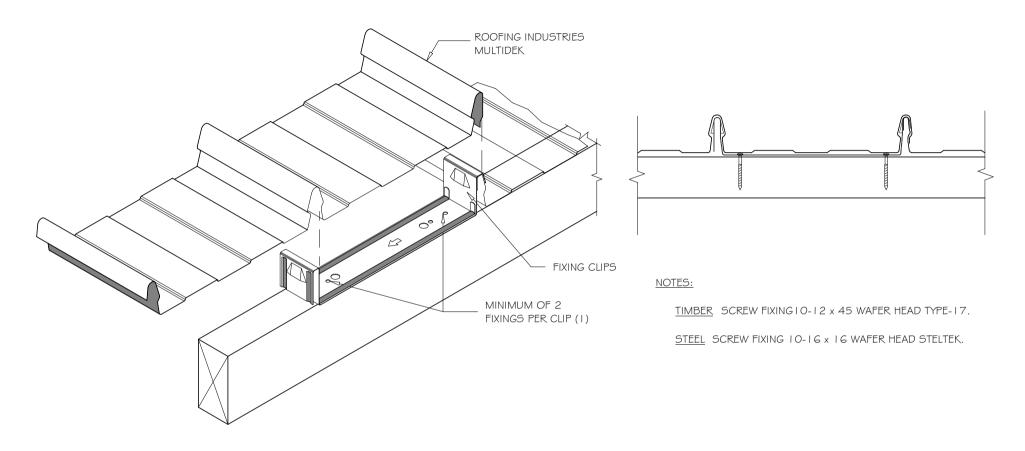




### RESIDENTIAL MULTIDEK ROOFING FIXINGS AND SHEET LAP

Detail Number: RI-RMDR008A

Date drawn: 07/07/2017



#### NOTES:

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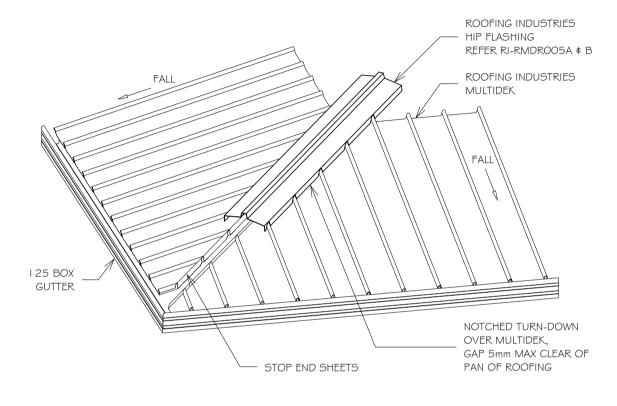


### RESIDENTIAL MULTIDEK ROOFING RIDGE - HIP FLASHING DETAIL

Detail Number: RI-RMDR009A

Date drawn: 07/07/2017

Scale: 1:5@ A4



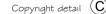
SITE WIND ZONE (As per NZS3604)	REFER 'X' VALUE DETAIL RMDROO5A & B TRANSVERSE FLASHING OVER ROOFING	
SITUATION I (1)	130 <sup>(3)</sup>	
SITUATION 2 (2)	200 <sup>(3)</sup>	

#### NOTES:

FLASHING COVER VARIES (REFER TO TABLE FOR RIDGE/HIP - TRANSVERSE FLASHING OVER ROOFING)

- (1) SITUATION 1: IN LOW, MEDIUM OR HIGH WIND ZONES, WHERE ROOF PITCH IS 10° OR GREATER (X VALUE)
- (2) SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH \$
  EXTRA HIGH WIND ZONES, FOR ALL
  WIND ZONES WHERE ROOF PITCH IS
  LESS THAN IO° (X VALUE)
- (3) EXCLUDING ANY TURN DOWN TO ROOFING.

- These details are generally in compliance with E2/AS I and/or the NZ Metal Roof \$ Wall Cladding Code of Practice and in some cases specific details by 'Roofing Industries'
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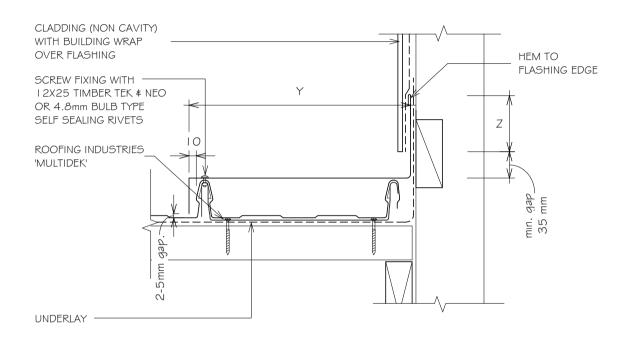


## RESIDENTIAL MULTIDEK ROOFING PARALLEL APRON FLASHING (NON CAVITY)

Detail Number: RI-RMDROIOA

Date drawn: 07/07/2017

Scale: 1:5@ A4



SITE WIND ZONE	MINIMUM	
(As per NZS3604)	Z	Y
SITUATION I (1)	75mm	2 crests
SITUATION 2 (2)	I OOmm	2 "

#### NOTES:

DESIGNER TO ENSURE DURABILITY OF FLASHING MATERIAL;

- 1. SITUATION 1: IN LOW, MEDIUM OR HIGH WIND ZONES, WHERE ROOF PITCH IS 10° OR GREATER.
- 2. SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH \$ EXTRA HIGH WIND ZONES, FOR ALL WIND ZONES WHERE ROOF PITCH IS LESS THAN 10°.

- These details are generally in compliance with E2/AS I and/or the NZ Metal Roof \$ Wall Cladding Code of Practice and in some cases specific details by 'Roofing Industries'
- The building designer is ultimately responsible to ensure that details used meet the requirements of the NZ Building Code for the specific project.
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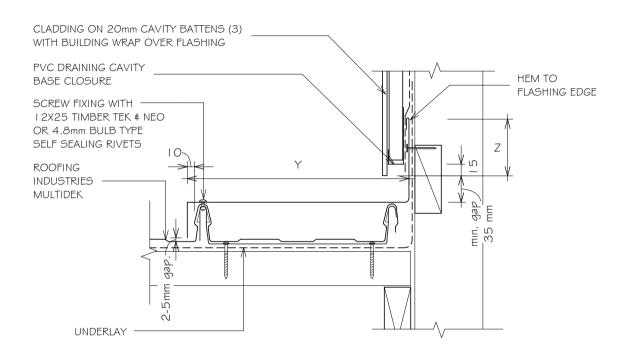


## RESIDENTIAL MULTIDEK ROOFING PARALLEL APRON FLASHING (CAVITY)

Detail Number: RI-RMDRO10B

Date drawn: 07/07/2017

Scale: 1:5@ A4



SITE WIND ZONE	MINIMUM	
(As per NZS3604)	Z	Y
SITUATION I (1)	75mm	2 crests
SITUATION 2 (2)	I OOmm	2 "

#### NOTES:

DESIGNER TO ENSURE DURABILITY OF FLASHING MATERIAL:

- SITUATION 1: IN LOW, MEDIUM OR HIGH WIND ZONES, WHERE ROOF PITCH IS 10° OR GREATER
- SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH AND EXTRA HIGH WIND ZONES, FOR ALL WIND ZONES WHERE ROOF PITCH IS LESS THAN 10°.
- 3. CAVITY BATTENS OR PACKERS CONTAINING CORROSIVE MATERIAL MUST BE SEPARATED FROM METAL CLADDING BY DPC. BUILDING WRAP. PVC OR PAINTING

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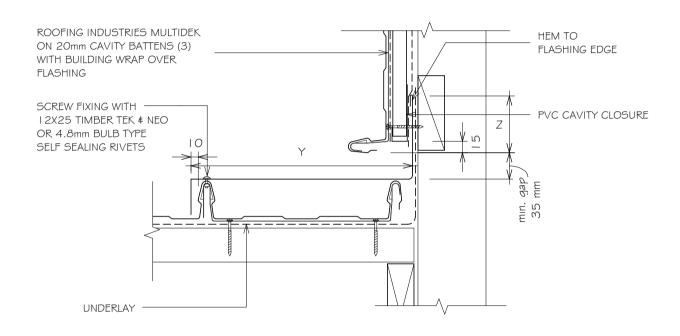


# RESIDENTIAL MULTIDEK ROOFING PARALLEL APRON FLASHING (HORIZ MULTIDEK ON CAVITY)

Detail Number: RI-RMDROIOC

Date drawn: 07/07/2017

Scale: 1:5@ A4



SITE WIND ZONE	MINIMUM	
(As per NZ53604)	Z	Y
SITUATION I (1)	75mm	2 crests
SITUATION 2 (2)	I OOmm	2 "

#### NOTES:

DESIGNER TO ENSURE DURABILITY OF FLASHING MATERIAL;

- I. SITUATION I: IN LOW, MEDIUM OR HIGH WIND ZONES, WHERE ROOF PITCH IS 10° OR GREATER
- 2. SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH AND EXTRA HIGH WIND ZONES, FOR ALL WIND ZONES WHERE ROOF PITCH IS LESS THAN 10°.
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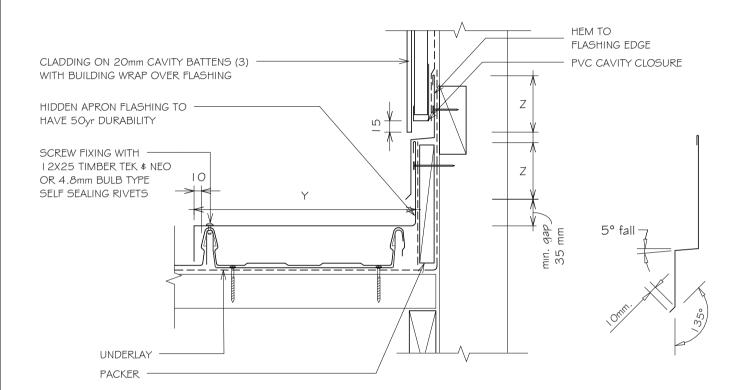


## RESIDENTIAL MULTIDEK ROOFING PARALLEL APRON 2 PIECE FLASHING (CAVITY)

Detail Number: RI-RMDROIOD

Date drawn: 07/07/2017

Scale: 1:5@ A4



SITE WIND ZONE	MINIMUM	
(As per NZS3604)	Z	Y
SITUATION I (1)	75mm	2 crests
SITUATION 2 (2)	I OOmm	2 "

#### NOTES:

### DESIGNER TO ENSURE DURABILITY OF FLASHING MATERIAL:

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- 2. SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH AND EXTRA HIGH WIND ZONES, FOR ALL WIND ZONES WHERE ROOF PITCH IS LESS THAN TO.
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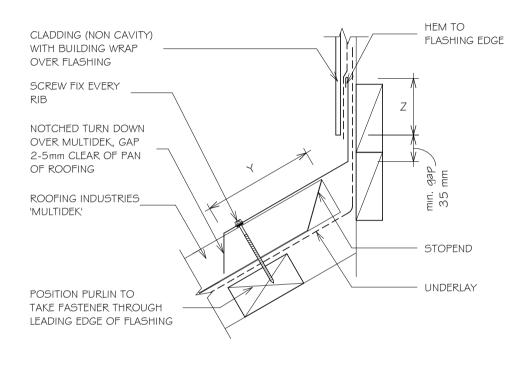


## RESIDENTIAL MULTIDEK ROOFING APRON FLASHING (NON CAVITY)

Detail Number: RI-RMDROIIA

Date drawn: 07/07/2017

Scale: 1:5@ A4



SITE WIND ZONE	MINIMUM mm	
(As per NZ53604)	Z	Y
SITUATION I (1)	75	150 <sup>(3)</sup>
SITUATION 2 (2)	100	200 (3)

#### NOTES:

DESIGNER TO ENSURE DURABILITY OF FLASHING MATERIAL:

- SITUATION I: IN LOW, MEDIUM OR HIGH WIND ZONES, WHERE ROOF PITCH IS I O° OR GREATER
- 2. SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH AND EXTRA HIGH WIND ZONES, FOR ALL WIND ZONES WHERE ROOF PITCH IS LESS THAN 10°.
- CAVITY BATTENS OR PACKERS CONTAINING CORROSIVE MATERIAL MUST BE SEPARATED FROM METAL CLADDING BY DPC, BUILDING WRAP, PVC OR PAINTING

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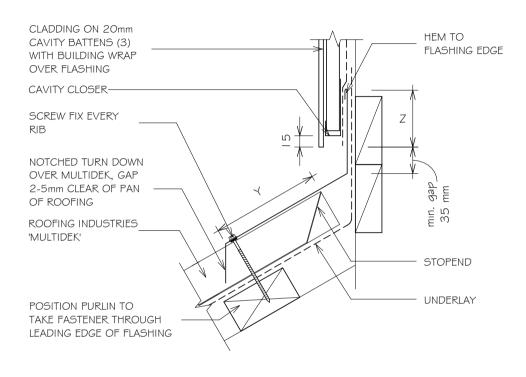


## RESIDENTIAL MULTIDEK ROOFING APRON FLASHING (CAVITY)

Detail Number: RI-RMDROIIB

Date drawn: 07/07/2017

Scale: 1:5@ A4



SITE WIND ZONE	MINIMUM mm	
(As per NZS3604)	Z	Y
SITUATION I (1)	75	150 (4)
SITUATION 2 (2)	100	200 (4)

#### NOTES:

DESIGNER TO ENSURE DURABILITY OF FLASHING MATERIAL;

- I. SITUATION I: IN LOW, MEDIUM OR HIGH WIND ZONES, WHERE ROOF PITCH IS TO OR GREATER
- 2. SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH AND EXTRA HIGH WIND ZONES, FOR ALL WIND ZONES WHERE ROOF PITCH IS LESS THAN 10°.
- 3. CAVITY BATTENS OR PACKERS CONTAINING CORROSIVE MATERIAL MUST BE SEPARATED FROM METAL CLADDING BY DPC. BUILDING WRAP. PVC OR PAINTING
- 4. EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING

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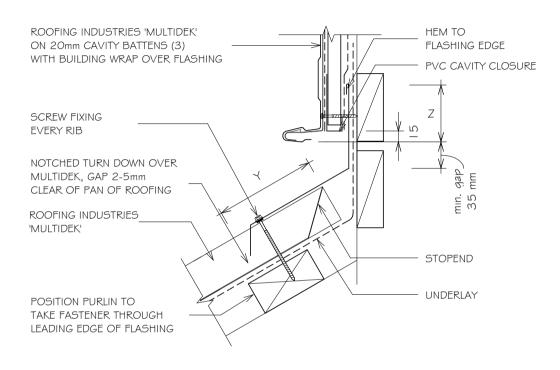


## RESIDENTIAL MULTIDEK ROOFING APRON FLASHING (HORIZ MULTIDEK ON CAVITY)

Detail Number: RI-RMDROIIC

Date drawn: 07/07/2017

Scale: 1:5@ A4



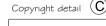
SITE WIND ZONE	MINIMUM mm	
(As per NZS3604)	Z	Y
SITUATION I (1)	75	150 <sup>(4)</sup>
SITUATION 2 (2)	100	200 (4)

#### NOTES:

DESIGNER TO ENSURE DURABILITY OF FLASHING MATERIAL:

- I. SITUATION I: IN LOW, MEDIUM OR HIGH WIND ZONES, WHERE ROOF PITCH IS I O' OR GREATER
- 2. SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH AND EXTRA HIGH WIND ZONES, FOR ALL WIND ZONES WHERE ROOF PITCH IS LESS THAN 10°.
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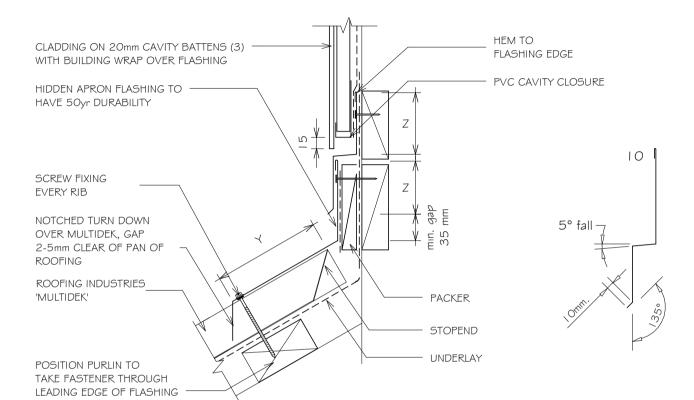


### RESIDENTIAL MULTIDEK ROOFING APRON 2 PIECE FLASHING (CAVITY)

Detail Number: RI-RMDROIID

Date drawn: 07/07/2017

Scale: 1:5@ A4



SITE WIND ZONE	MINIMUM	
(As per NZS3604)	Z	Y
SITUATION I (1)	75mm	150 (4)
SITUATION 2 (2)	I OOmm	200 (4)

#### NOTES:

DESIGNER TO ENSURE DURABILITY OF FLASHING MATERIAL:

- I. SITUATION I: IN LOW, MEDIUM OR HIGH WIND ZONES, WHERE ROOF PITCH IS 10° OR GREATER
- 2. SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH AND EXTRA HIGH WIND ZONES, FOR ALL WIND ZONES WHERE ROOF PITCH IS LESS THAN 10°.
- 3. CAVITY BATTENS OR PACKERS CONTAINING
  CORROSIVE MATERIAL MUST BE SEPARATED FROM
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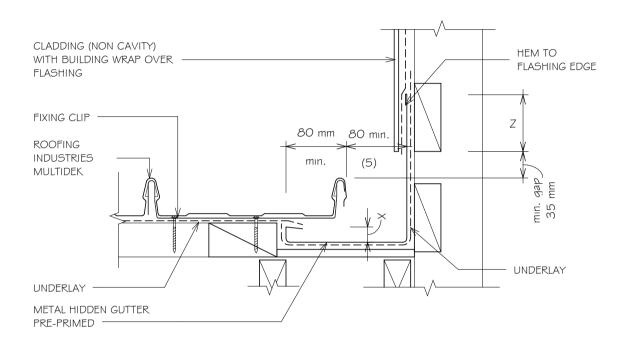


## RESIDENTIAL MULTIDEK ROOFING PARALLEL HIDDEN OR OBTUSE GUTTER (NON CAVITY)

Detail Number: RI-RMDRO I 2A

Date drawn: 07/07/2017

Scale: 1:5@ A4



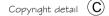
SITE WIND ZONE	MINIMUM	GUTTER DEPTH	
(As per NZS3604)	Z	ROOF PITCH (5) X M	
SITUATION I (1)	75	< 12°	45
SITUATION 2 (2)	100	12° or greater	20

#### NOTES:

#### DESIGNER TO ENSURE DURABILITY OF FLASHING MATERIAL;

- I. SITUATION I: IN LOW, MEDIUM OR HIGH WIND ZONES, WHERE ROOF PITCH IS TO OR GREATER
- SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH AND EXTRA HIGH WIND ZONES, FOR ALL WIND ZONES WHERE ROOF PITCH IS LESS THAN 10°.
- 3. WHERE GUTTER FINISHES WITHIN THE LENGTH OF THE WALL, STEP LOWER PART OF GUTTER OUT TO 10mm PAST THE CLADDING LINE, WHILE MAINTAINING REQUIRED CLEARANCES, TO ALLOW THE GUTTER TO FEED INTO THE LOWER EAVES GUTTER.
- 4. INTERNAL GUTTER SHOULD BE MADE FROM NONFERROUS METAL COMPATIBLE WITH THE ROOFING MATERIAL
- 5. GUTTER SHALL BE SIZED TO SUIT THE ROOF CATCHMENT AREA BUT SHALL BE NO LESS THAN THAN SHOWN IN THIS FIGURE AND DESIGNED IN ACCORDANCE WITH E2/AS I AND/OR THE NZ METAL ROOF \$ WALL CLADDING CODE OF PRACTICE.

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## RESIDENTIAL MULTIDEK ROOFING PARALLEL HIDDEN OR OBTUSE GUTTER (CAVITY)

Detail Number: RI-RMDRO I 2B

Date drawn: 07/07/2017

Scale: 1:5@ A4

CLADDING ON 20mm CAVITY BATTENS (3 WITH BUILDING WRAP OVER FLASHING	3)	HEM TO
PVC CAVITY CLOSURE -		FLASHING EDGE
FIXING CLIP	80 mm	Z
ROOFING INDUSTRIES MULTIDEK	min. (6)	MIN. gap
UNDERLAY —		UNDERLAT
METAL HIDDEN GUTTER PRE-PRIMED		

SITE WIND ZONE	MINIMUM	GUTTER DEPTH	
(As per NZS3604)	Z	ROOF PITCH	X mın
SITUATION I (1)	75	8° < 12°	45
SITUATION 2 (2)	100	12° or greater	20

#### NOTES:

DESIGNER TO ENSURE DURABILITY OF FLASHING MATERIAL;

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- 4. WHERE GUTTER FINISHES WITHIN THE LENGTH OF THE WALL, STEP LOWER PART OF GUTTER OUT TO 10mm PAST THE CLADDING LINE, WHILE MAINTAINING REQUIRED CLEARANCES, TO ALLOW THE GUTTER TO FEED INTO THE LOWER EAVES GUTTER.
- 5. INTERNAL GUTTER SHOULD BE MADE FROM NONFERROUS METAL COMPATIBLE WITH THE ROOFING MATERIAL
- 6. GUTTER SHALL BE SIZED TO SUIT THE ROOF CATCHMENT AREA BUT SHALL BE NO LESS THAN THAN SHOWN IN THIS FIGURE AND DESIGNED IN ACCORDANCE WITH E2/AS I AND/OR THE NZ METAL ROOF \$ WALL CLADDING CODE OF PRACTICE.

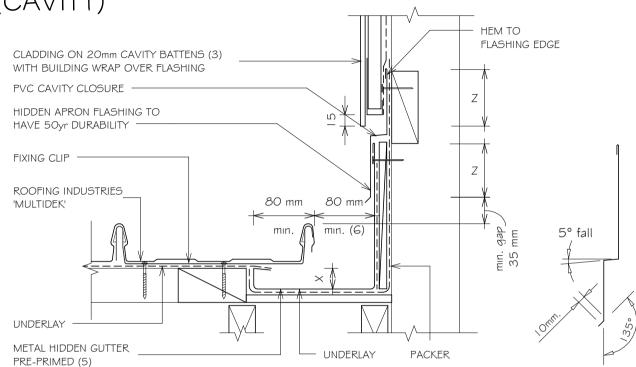
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RESIDENTIAL MULTIDEK ROOFING
PARALLEL HIDDEN OR OBTUSE 2 PIECE GUTTER
(CAVITY)



Detail Number: RI-RMDR012C

Date drawn: 07/07/2017

Scale: 1:5@ A4

SITE WIND ZONE	MINIMUM	GUTTER DEPTH	
(As per NZS3604)	Z	ROOF PITCH	X min
SITUATION I (1)	75	8° < 12°	45
SITUATION 2 (2)	100	12° or greater	20

#### NOTES:

DESIGNER TO ENSURE DURABILITY OF FLASHING MATERIAL:

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- 4. WHERE GUTTER FINISHES WITHIN THE LENGTH OF THE WALL,
  STEP LOWER PART OF GUTTER OUT TO 10mm PAST THE
  CLADDING LINE, WHILE MAINTAINING REQUIRED CLEARANCES,
  TO ALLOW THE GUTTER TO FEED INTO THE LOWER EAVES
  GUTTER
- 5. INTERNAL GUTTER SHOULD BE MADE FROM NONFERROUS METAL COMPATIBLE WITH THE ROOFING MATERIAL
- 6. GUTTER SHALL BE SIZED TO SUIT THE ROOF CATCHMENT AREA BUT SHALL BE NO LESS THAN THAN SHOWN IN THIS FIGURE AND DESIGNED IN ACCORDANCE WITH E2/AS I AND/OR THE NZ METAL ROOF \$ WALL CLADDING CODE OF PRACTICE.

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## RESIDENTIAL MULTIDEK ROOFING MANSARD / EXTERNAL CHANGE IN PITCH FLASHING

Detail Number: RI-RMDRO I 3A

Date drawn: 07/07/2017

Scale: 1:5@ A4

MULTIDEK CLIP SCREW FIXED		$\rightarrow$
ROOFING INDUSTRIES	250	
UPPER ROOF UNDERLAY	50	
STOPEND -	*	HEM ALONG TOP - OF EDGE OF FLASHING
SCREW FIXING		
NOTCHED TURN DOWN ——OVER MULTIDEK, GAP 2-5mm CLEAR OF PAN OF ROOFING INTO PAN.	UNDERLAY	

SITE WIND ZONE	MIN mm	(X)
(As per NZS3604)	UPPER LAP UNDER ROOFING	TRANSVERSE FLASHING OVER ROOFING
SITUATION I (2)	250 <sup>(1)</sup>	150 <sup>(5)</sup>
SITUATION 2 (3)	250 <sup>(1)</sup>	200 (5)
SITUATION 3 (4)	(6	ê)

#### NOTES:

- I. UNLESS OTHERWISE DIMENSIONED IN DETAILS
- 2. SITUATION 1: IN LOW, MEDIUM OR HIGH WIND ZONES, WHERE ROOF PITCH IS 10° OR GREATER
- 3. SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH WIND ZONES, FOR ALL LESSOR WIND ZONES WHERE ROOF PITCH LESS THAN 10°.
- 4. SITUATION 3: FOR ALL ROOF PITCHES IN EXTRA HIGH WIND 70NFS
- EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING.
- 6. NOT PERMITTED UNDER E2/AS I, REFER NZ METAL ROOF \$ WALL CLADDING CODE OF PRACTICE.

#### NOTES:

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Copyright detail (C)

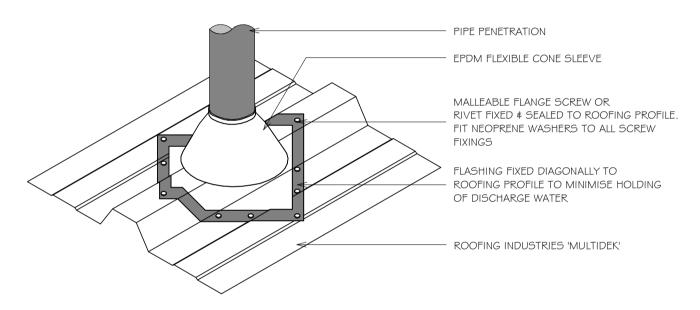




## RESIDENTIAL MULTIDEK ROOFING EPDM FLASHING FOR UP TO 85mm DIA PIPE

Detail Number: RI-RMDRO14A

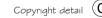
Date drawn: 07/07/2017



#### NOTES:

- FOR PIPES UP TO 85mm DIAMETER.
- 2. MAX ROOF PITCH FOR THIS FLASHING 45°, MIN PITCH 10°
- 3. MAXIMUM ROOF LENGTH ABOVE PENETRATION NOT TO EXCEED 12.0 METRES.
- 4. ALSO REFER TO NZ METAL ROOF \$ WALL CLADDING CODE OF PRACTICE.

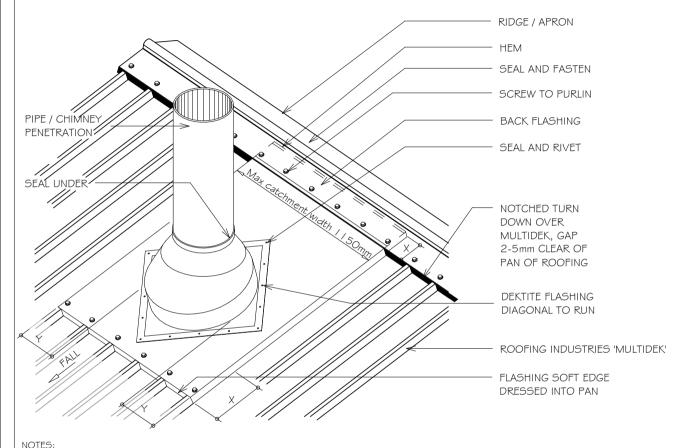
- These details are generally in compliance with E2/AS I and/or the NZ Metal Roof \$ Wall Cladding Code of Practice and in some cases specific details by 'Roofing Industries'
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### RESIDENTIAL MULTIDEK ROOFING UNDER RIDGE / APRON SOAKER FLASHING FOR PIPE / CHIMNEY PENETRATION UP TO 500mm DIA.



Detail Number: RI-RMDRO I 5A

Date drawn: 07/07/2017

SITE WIND ZONE	MIN mm (cover)	
(As per NZS3604)	Х	Y
SITUATION I (1)	150	2 CRESTS
SITUATION 2 (2)	200	2 CRESTS

#### NOTES:

- SITUATION I: IN LOW, MEDIUM OR HIGH WIND ZONES. WHERE ROOF PITCH IS 10° OR GREATER.
- SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH \$ EXTRA HIGH WIND ZONES. FOR ALL LESSOR WIND ZONES WHERE ROOF PITCH LESS THAN 10°.
- SUITABLE FOR PIPES UP TO 500mm DIAMETER.
- MAX ROOF PITCH FOR THIS FLASHING 45°.
- ADDITIONAL SUPPORT FRAMING REQUIRED WHEN PENETRATION EXCEEDS 200mm THROUGH ROOF.
- ALSO REFER TO NZ METAL ROOF \$ CLADDING CODE OF PRACTICE.

CATCHMENT	MAX ROOF LENGTH	
WIDTH	ABOVE PENETRATION	
0-400	18 METRES	
400-600	I 6 METRES	
600-800	12 METRES	
800-1150	8 METRES	

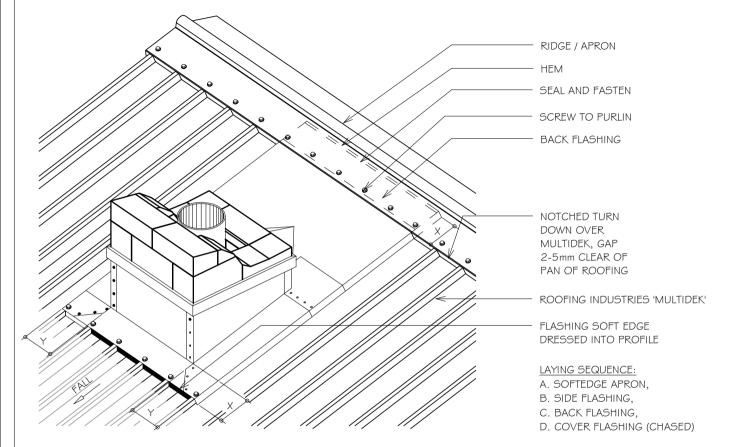


Copyright detail (C)



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## RESIDENTIAL MULTIDEK ROOFING UNDER RIDGE / APRON CHIMNEY FLASHING



#### Detail Number: RI-RMDROIGA

Date drawn: 07/07/2017

#### NOTES:

- I. SITUATION I: IN LOW, MEDIUM OR HIGH WIND ZONES. WHERE ROOF PITCH IS 10° OR GREATER.
- 2. SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH # EXTRA HIGH WIND ZONES, FOR ALL LESSOR WIND ZONES WHERE ROOF PITCH LESS THAN LO®
- 3. ALSO REFER TO NZ METAL ROOF & CLADDING CODE OF PRACTICE.

CATCHMENT WIDTH	MAX ROOF LENGTH ABOVE PENETRATION
0-400	18 METRES
400-600	I 6 METRES
600-800	I 2 METRES
800-1200	8 METRES

SITE WIND ZONE	MIN mm (cover)	
(As per NZ53604)	Х	Y
SITUATION I (1)	150	2 CRESTS
SITUATION 2 (2)	200	2 CRESTS

#### NOTES:

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- Further information can be obtained from the NZ Metal Roof # Wall Cladding Code of Practice: www.metalroofing.org.nz OR NZBC clause E2/AS I.

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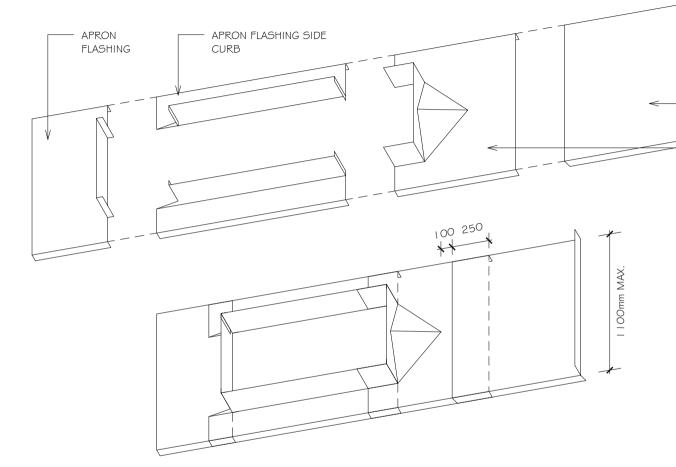


RESIDENTIAL MULTIDEK ROOFING SKYLIGHT FLASHING

Detail Number: RI-RMDRO16D

Date drawn: 05/23/19

Scale: 1:5@ A4



NOTES:

I. ALL FLASHINGS 0.55BMT MIN.

DIVERTER

- 2. FLASHING TO EXTEND UP TO RIDGE FLASHING
- 3. FORM NEW UPSTANDS WHERE REQUIRED

WATERSHED FLASHING TO TERMINTATE AT RIDGE

MIN. I.Gmm WELDED
POWDERCOATED ALUMINIUM

- 4. INSTALL WATERSHED FLASHINGS WITH SEPARATING LAYER OF ROOFING UNDERLAY
- WATERSHED FLASHING TO BE ONE PIECE
- 6. 2 CRESTS MIN. TO SIDES OF PENETRATION
- 7. I 50mm MIN. UPSTAND TO SKYLIGHT PENETRATION

NOTES:

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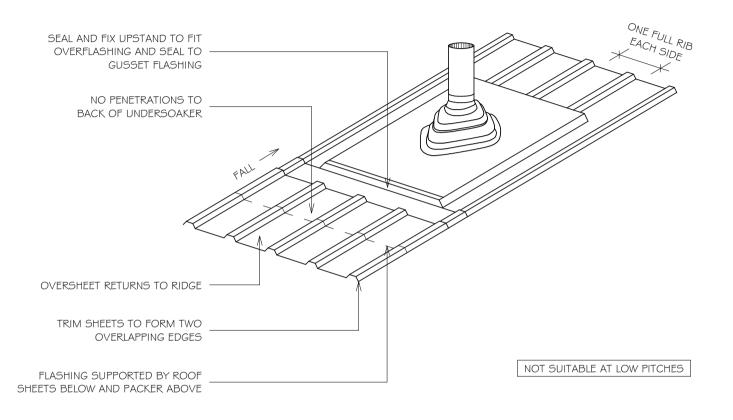


### RESIDENTIAL MULTIDEK ROOFING LEVEL SOAKER CURB FLASHING

Detail Number: RI-RMDROIGE

Date drawn: 05/22/19

Scale: 1:5@ A4



#### NOTES:

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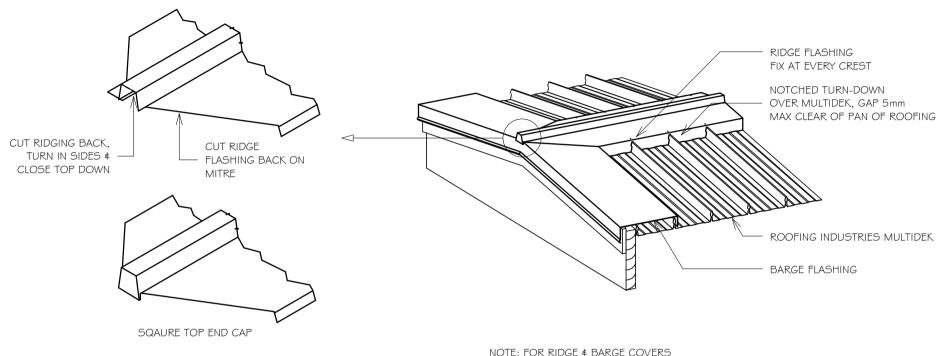




# RESIDENTIAL MULTIDEK ROOFING RIDGE / BARGE JUNCTION

Detail Number: RI-RMDR025A

Date drawn: 07/07/2017



REFER TO SEPERATE DRAWINGS

### NOTES:

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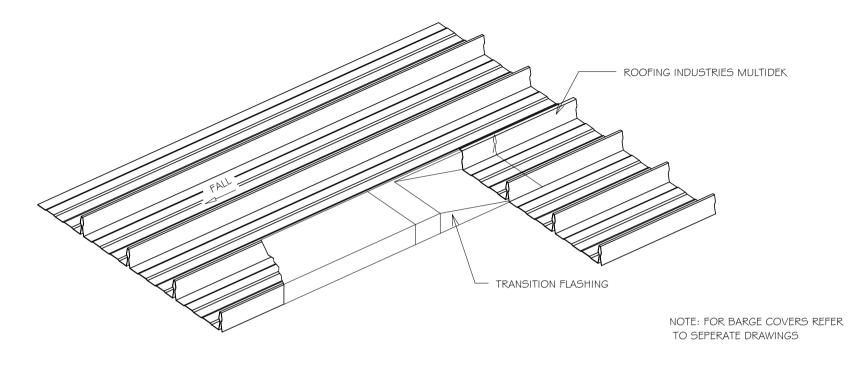




# RESIDENTIAL MULTIDEK ROOFING INTERNAL BARGE FLASHING

Detail Number: RI-RMDR026A

Date drawn: 07/07/2017



NOT SUITABLE AT LOW PITCHES

### NOTES:

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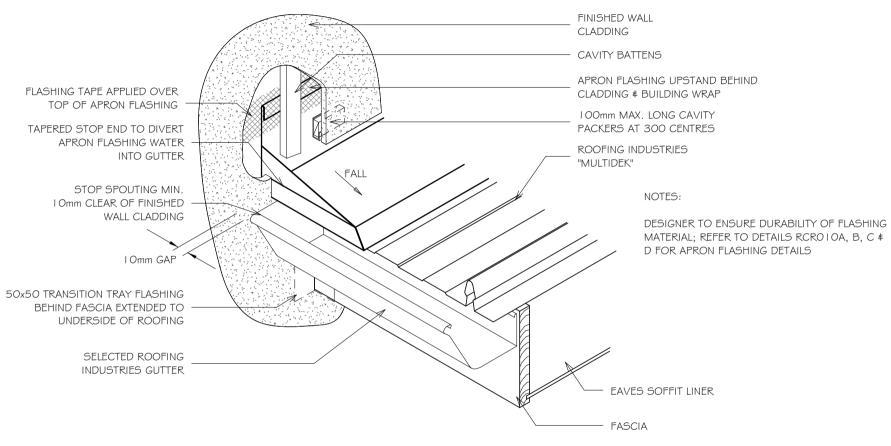




# RESIDENTIAL MULTIDEK ROOFING PARALLEL APRON DIVERTER JUNCTION

Detail Number: RI-RMDR027A

Date drawn: 07/07/2017



### NOTES:

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### RESIDENTIAL MULTIDEK ROOFING RAKING INTERNAL GUTTER

NOTES: 80 mm 80 mm BARGE CAPPING FIXING CLIP min (6) mın HEM TO FLASHING ROOFING INDUSTRIES FDGF 'MLILTIDEK' UNDERLAY UNDERLAY 3. 4 SCREW FIXING 5. FASCIA BOARD FLYING RAFTFR BLOCKING PIECES METAL RAKING GUTTER RAFTFR PRE-PRIMED TOP PLATE **GUTTER DEPTH**  Detail Number: RI-RMDR028A

Date drawn: 07/07/2017

Scale: 1:5@ A4

DESIGNER TO ENSURE DURABILITY OF FLASHING MATERIAL:

- SITUATION I: IN LOW. MEDIUM OR HIGH WIND ZONES. WHERE ROOF PITCH IS 10° OR GREATER
- SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH AND EXTRA HIGH WIND ZONES, FOR ALL WIND ZONES WHERE ROOF PITCH IS IESS THAN LO
- SITUATION 3: FOR ALL ROOF PITCHES IN EXTRA HIGH WIND ZONES.
- **EXCLUDES DRIP FDGE**

(6)

X min

45

20

**ROOF PITCH** 

< 12°

12° or greater

- INTERNAL GUTTER SHOULD BE MADE FROM NONFERROUS METAL COMPATIBLE WITH THE ROOFING MATERIAL
- GUTTER SHALL BE SIZED TO SUIT THE ROOF CATCHMENT AREA BUT SHALL BE NO LESS THAN THAN SHOWN IN THIS FIGURE AND DESIGNED IN ACCORDANCE WITH AND/OR THE NZ METAL ROOF \$ WALL CLADDING CODE OF PRACTICE

	SITE WIND ZONE	MINIMUM	
	(As per NZ53604)	Z	
	SITUATION I (I)	50 <sup>(4)</sup>	
	SITUATION 2 (2)	75 <sup>(4)</sup>	
	SITUATION 3 (3)	90 (4)	
٠			

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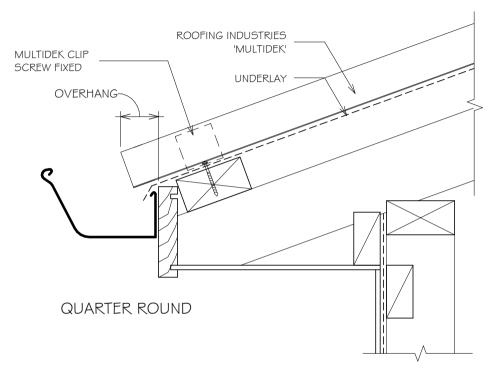


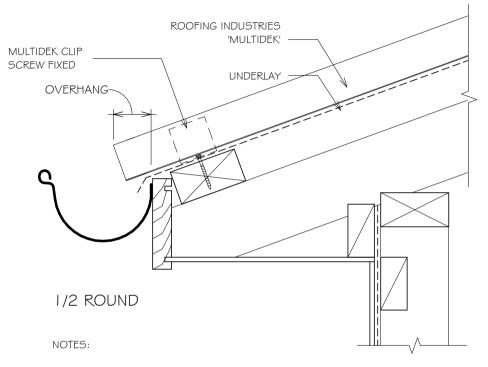
# RESIDENTIAL MULTIDEK ROOFING ROOFING INDUSTRIES GUTTER OPTIONS QUARTER \$ 1/2 ROUND FOR TIMBER FASCIA

Detail Number: RI-RMDR030A

Date drawn: 07/07/2017

Scale: 1:5@ A4





- I. GUTTER APRON FLASHINGS MAY BE REQUIRED AS PER DRAWING RMDROO4A
- 2. OVERHANG AS PER DRAWING RMDROO4A / MRM COP

### NOTES:

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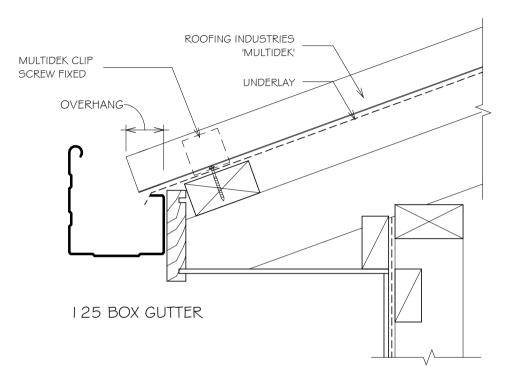


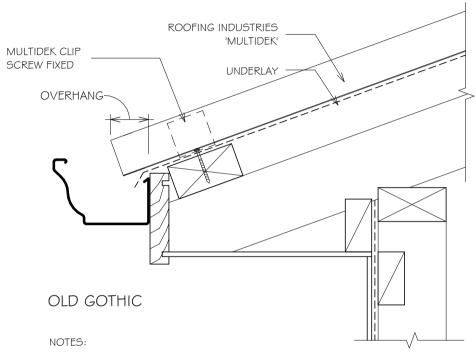
# RESIDENTIAL MULTIDEK ROOFING ROOFING INDUSTRIES GUTTER OPTIONS 125 BOX GUTTER \$ OLD GOTHIC FOR TIMBER FASCIA

Detail Number: RI-RMDR030B

Date drawn: 07/07/2017

Scale: 1:5@ A4





- I. GUTTER APRON FLASHINGS MAY BE REQUIRED AS PER DRAWING RCMDROO4A
- 2. OVERHANG AS PER DRAWING RMDROO4A / MRM COP

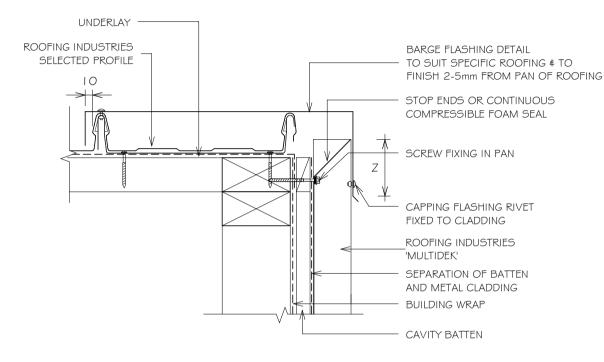
### NOTES:

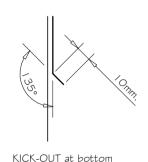
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### RESIDENTIAL MULTIDEK WALL CLADDING BARGE DETAIL FOR VERTICAL CLADDING ON CAVITY (KICK OUT)





edge of vertical flashing

#### NOTES:

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Detail Number: RI-RMDWOO I A- I

Date drawn: 07/07/2017

Scale: 1:5@ A4

SITE WIND ZONE	MINIMUM
(As per NZS3604)	Z
SITUATION I (1)	75mm <sup>(3)</sup>
SITUATION 2 (2)	I OOmm <sup>(3)</sup>

### NOTES:

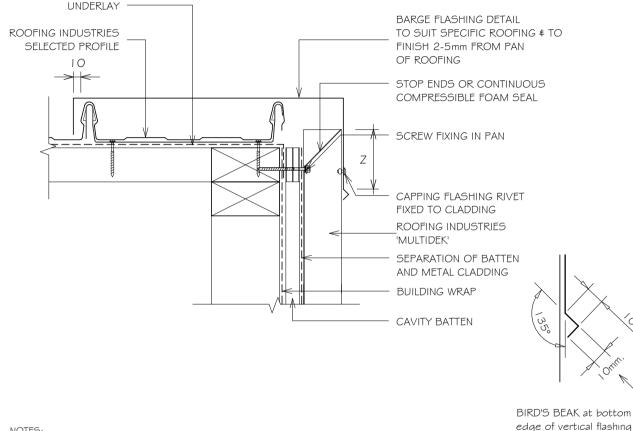
- SITUATION I: IN LOW, MEDIUM OR HIGH WIND ZONES. WHERE ROOF PITCH IS 10° OR GREATER
- SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH & EXTRA HIGH WIND ZONES. FOR ALL WIND ZONES WHERE ROOF PITCH IS LESS THAN 10°.
- 3. EXCLUDING DRIP EDGE.
- CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPERATED FROM METAL CLADDING BY DPC, BUILDING WRAP, PVC OR PAINTING
- CASTELLATED BATTEN, DRAINAGE PLASTIC BATTEN OR APPROVED DRAINED BATTEN CAN BE USED WITH THIS SYSTEM

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### RESIDENTIAL MULTIDEK WALL CLADDING BARGE DETAIL FOR VERTICAL CLADDING ON CAVITY (BIRDS BEAK)



Bird's beak dimension may vary between manufacturing locations.

NOTES:

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Detail Number: RI-RMDW00 | B-1

Date drawn: 07/07/2017

Scale: 1:5@ A4

SITE WIND ZONE	MINIMUM
(As per NZS3604)	Z
SITUATION I (I)	75mm <sup>(3)</sup>
SITUATION 2 (2)	I OOmm <sup>(3)</sup>

### NOTES:

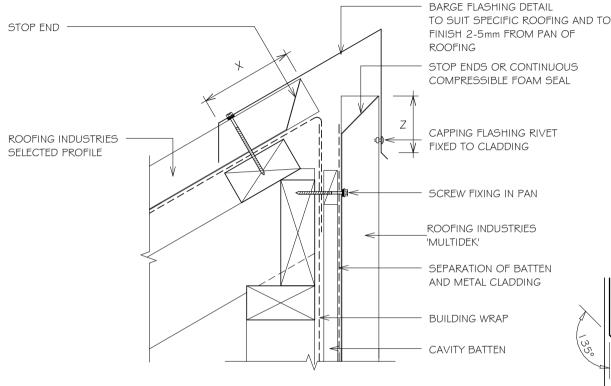
- SITUATION I: IN LOW, MEDIUM OR HIGH WIND ZONES. WHERE ROOF PITCH IS 10° OR GREATER
- SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH & EXTRA HIGH WIND ZONES, FOR ALL WIND ZONES WHERE ROOF PITCH IS LESS THAN 10°.
- EXCLUDING DRIP FDGE
- CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPERATED FROM METAL CLADDING BY DPC, BUILDING WRAP, PVC OR
- CASTELLATED BATTEN, DRAINAGE PLASTIC BATTEN OR APPROVED DRAINED BATTEN CAN BE USED WITH THIS SYSTEM

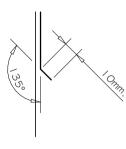
Copyright detail (C) 2017





### RESIDENTIAL MULTIDEK WALL CLADDING HEAD BARGE FOR VERTICAL CLADDING ON CAVITY ON CAVITY (KICK OUT)





KICK-OUT at bottom edge of vertical flashing

Detail Number: RI-RMDW002A-1

Date drawn: 07/07/2017

Scale: 1:5@ A4

SITE WIND ZONE	MINIMUM	
(As per NZS3604)	Z	X <sup>(4)</sup>
SITUATION I (1)	75mm <sup>(3)</sup>	I 50mm
SITUATION 2 (2)	I OOmm <sup>(3)</sup>	200mm

### NOTES:

- SITUATION I: IN LOW, MEDIUM OR HIGH WIND ZONES. WHERE ROOF PITCH IS 10° OR GREATER
- SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH \$ EXTRA HIGH WIND ZONES. FOR ALL WIND ZONES WHERE ROOF PITCH IS LESS THAN 10°.
- BARGE COVER EXCLUDES DRIP EDGE.
- EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO ROOFING.
- CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPERATED FROM METAL CLADDING BY DPC. BUILDING WRAP. PVC OR PAINTING
- CASTELLATED BATTEN, DRAINAGE PLASTIC BATTEN OR APPROVED DRAINED BATTEN CAN BE USED WITH THIS SYSTEM

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- These details are generally in compliance with E2/AS I and/or the NZ Metal Roof \$ Wall Cladding Code of Practice and in some cases specific details by 'Roofing Industries'.
- The building designer is ultimatley responsible to ensure that details used meet the requirements of the NZ Building Code for the specific project.
- Details of the supporting structure including cavity battens are indicative only and are the responsibility of the building designer. For steel framed buildings thermal break cavity battens may be required.
- Underlay selection and building wrap types are the responsibility of the designer. When rigid wall underlay is required it is the designers responsibility to ensure the correct type is used and follow the manufacturers recommendation for installation.
- These details are for Roofing Industries profile/s as nominated and may not be applicable to other profiles.
- This drawing is the copyright of 'Roofing Industries' and can only be copied or reproduced with their permission.
- Further information can be obtained from the NZ Metal Roof & Wall Cladding Code of Practice: www.metalroofing.org.nz OR NZBC clause E2/AS I.

RESIDENTIAL MULTIDEK WALL CLADDING HEAD BARGE FOR VERTICAL CLADDING ON CAVITY (BIRDS BEAK)

BARGE FLASHING DETAIL TO SUIT SPECIFIC ROOFING AND TO FINISH 2-5mm FROM PAN OF ROOFING STOP FND STOP FNDS OR CONTINUOUS COMPRESSIBLE FOAM SEAL ROOFING INDUSTRIES CAPPING FLASHING RIVET SELECTED PROFILE FIXED TO CLADDING SCREW FIXING IN PAN ROOFING INDUSTRIES 'MUITIDEK' SEPARATION OF BATTEN AND METAL CLADDING BUILDING WRAP CAVITY BATTEN

> BIRD'S BEAK at bottom edge of vertical flashing

Detail Number: RI-RMDW002B-1

Date drawn: 07/07/2017

Scale: 1:5@ A4

SITE WIND ZONE	MINIMUM	
(As per NZS3604)	Z	X <sup>(4)</sup>
SITUATION I (1)	75mm <sup>(3)</sup>	I 50mm
SITUATION 2 (2)	I 00mm <sup>(3)</sup>	200mm

### NOTES:

Bird's beak dimension may vary between manufacturing locations.

- SITUATION I: IN LOW, MEDIUM OR HIGH WIND ZONES, WHERE ROOF PITCH IS 10° OR GREATER
- SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH **\$ EXTRA HIGH WIND ZONES, FOR ALL WIND ZONES** WHERE ROOF PITCH IS LESS THAN 10°.
- BARGE COVER EXCLUDES DRIP EDGE.
- EXCLUDING ANY SOFT EDGE OR TURN-DOWN TO
- CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPERATED FROM METAL CLADDING BY DPC, BUILDING WRAP, PVC OR PAINTING
- CASTELLATED BATTEN, DRAINAGE PLASTIC BATTEN OR APPROVED DRAINED BATTEN CAN BE USED WITH THIS SYSTEM

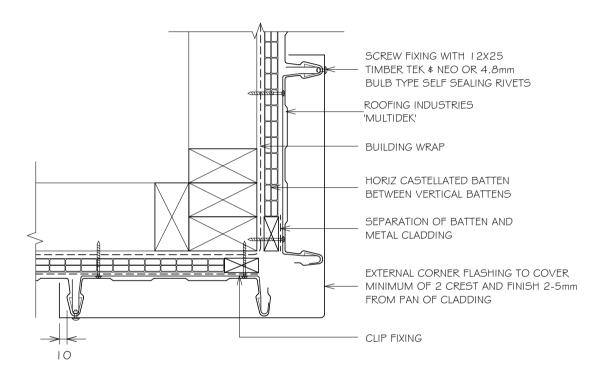
Copyright detail (C) 2017





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- The building designer is ultimatley responsible to ensure that details used meet the requirements of the NZ Building Code for the specific project.
- Details of the supporting structure including cavity battens are indicative only and are the responsibility of the building designer. For steel framed buildings thermal break cavity battens may be required.
- Underlay selection and building wrap types are the responsibility of the designer. When rigid wall underlay is required it is the designers responsibility to ensure the correct type is used and follow the manufacturers recommendation for installation.
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- This drawing is the copyright of 'Roofing Industries' and can only be copied or reproduced with their permission.
- Further information can be obtained from the NZ Metal Roof & Wall Cladding Code of Practice: www.metalroofing.org.nz OR NZBC clause E2/AS I.

# RESIDENTIAL MULTIDEK WALL CLADDING STANDARD EXTERNAL CORNER FOR VERTICAL CLADDING ON CAVITY - OPTION I



### NOTES:

- These details are generally in compliance with E2/AS I and/or the NZ Metal Roof \$ Wall Cladding Code of Practice and in some cases specific details by 'Roofing Industries'.
- The building designer is ultimatley responsible to ensure that details used meet the requirements of the NZ Building Code for the specific project.
- Details of the supporting structure including cavity batters are indicative only and are the responsibility of the building designer. For steel framed buildings thermal break cavity batters may be required.
- Underlay selection and building wrap types are the responsibility of the designer. When rigid wall underlay is
  required it is the designers responsibility to ensure the correct type is used and follow the manufacturers
  recommendation for installation.
- These details are for Roofing Industries profile/s as nominated and may not be applicable to other profiles.
- This drawing is the copyright of 'Roofing Industries' and can only be copied or reproduced with their permission.
- Further information can be obtained from the NZ Metal Roof \$ Wall Cladding Code of Practice: www.metalroofing.org.nz OR NZBC clause E2/AS I.

Detail Number: RI-RMDW003A-I

Date drawn: 07/07/2017

Scale: 1:5@ A4

### NOTES:

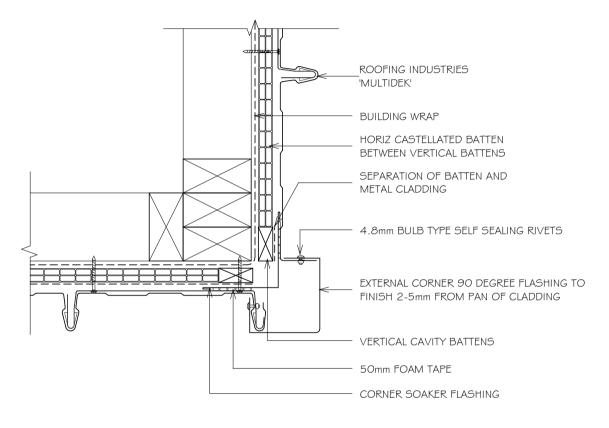
- I. CAVITY BATTENS CONTAINING
  CORROSIVE MATERIAL MUST BE
  SEPERATED FROM METAL CLADDING BY
  DPC, BUILDING WRAP, PVC OR
  PAINTING
- 2. CASTELLATED BATTEN, DRAINAGE
  PLASTIC BATTEN OR APPROVED
  DRAINED BATTEN CAN BE USED WITH
  THIS SYSTEM

Copyright detail (C)





### RESIDENTIAL MULTIDEK WALL CLADDING STANDARD EXTERNAL CORNER FOR VERTICAL CLADDING ON CAVITY - OPTION 2



### NOTES:

- These details are generally in compliance with E2/AS I and/or the NZ Metal Roof \$ Wall Cladding Code of Practice and in some cases specific details by 'Roofing Industries'.
- The building designer is ultimatley responsible to ensure that details used meet the requirements of the NZ Building Code for the specific project.
- Details of the supporting structure including cavity batters are indicative only and are the responsibility of the building designer. For steel framed buildings thermal break cavity batters may be required.
- Underlay selection and building wrap types are the responsibility of the designer. When rigid wall underlay is
  required it is the designers responsibility to ensure the correct type is used and follow the manufacturers
  recommendation for installation.
- These details are for Roofing Industries profile/s as nominated and may not be applicable to other profiles.
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- Further information can be obtained from the NZ Metal Roof \$ Wall Cladding Code of Practice: www.metalroofing.org.nz OR NZBC clause E2/AS I.

Detail Number: RI-RMDW003A-2

Date drawn: 05/21/19

Scale: 1:5@ A4

### NOTES:

- I. CAVITY BATTENS CONTAINING
  CORROSIVE MATERIAL MUST BE
  SEPERATED FROM METAL CLADDING BY
  DPC, BUILDING WRAP, PVC OR
  PAINTING
- 2. CASTELLATED BATTEN, DRAINAGE
  PLASTIC BATTEN OR APPROVED
  DRAINED BATTEN CAN BE USED WITH
  THIS SYSTEM

Copyright detail (C)



# RESIDENTIAL MULTIDEK WALL CLADDING EXTERNAL CORNER FOR VERTICAL CLADDING ON CAVITY WITH CLADDING CHANGE

SCREW FIXING WITH 12X25 TIMBER TEK \$ NEO OR 4.8mm BUILB TYPE SELF SEALING RIVETS HORIZ BATTEN BETWEEN VERTICAL BATTENS ROOFING INDUSTRIES 'MULTIDEK' CLIP FIXING BUILDING WRAP CONTINUOUS AROUND CORNER EXTERNAL CORNER FLASHING TO COVER MINIMUM OF 2 CREST AND FINISH PLYWOOD, FIBROUS CEMENT 2-5mm FROM PAN OF CLADDING OR SHEET CLADDING LAP SEAL TAPE OR SEALANT SEPARATION OF BATTEN AND METAL CLADDING 85

Detail Number: RI-RMDW003B-I

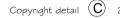
Date drawn: 07/07/2017

Scale: 1:5@ A4

### NOTES:

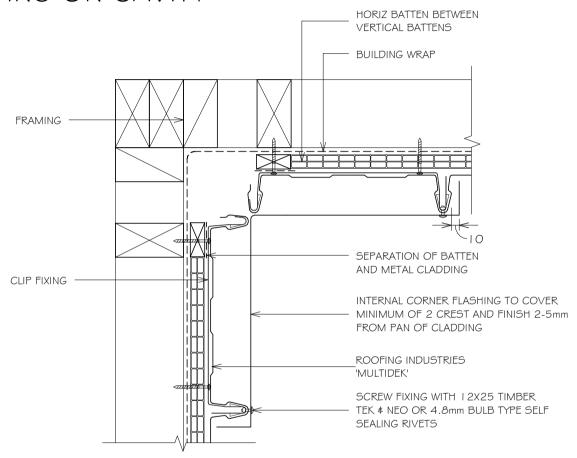
- I. CAVITY BATTENS CONTAINING CORROSIVE
  MATERIAL MUST BE SEPERATED FROM METAL
  CLADDING BY DPC, BUILDING WRAP, PVC OR
  PAINTING
- 2. CASTELLATED BATTEN, DRAINAGE PLASTIC
  BATTEN OR APPROVED DRAINED BATTEN CAN
  BE USED WITH THIS SYSTEM

- These details are generally in compliance with E2/AS I and/or the NZ Metal Roof \$ Wall Cladding Code of Practice and in some cases specific details by 'Roofing Industries'.
- The building designer is ultimatley responsible to ensure that details used meet the requirements of the NZ Building Code for the specific project.
- Details of the supporting structure including cavity batters are indicative only and are the responsibility of the building designer. For steel framed buildings thermal break cavity batters may be required.
- Underlay selection and building wrap types are the responsibility of the designer. When rigid wall underlay is
  required it is the designers responsibility to ensure the correct type is used and follow the manufacturers
  recommendation for installation.
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- Further information can be obtained from the NZ Metal Roof & Wall Cladding Code of Practice: www.metalroofing.org.nz OR NZBC clause E2/AS I.





# RESIDENTIAL MULTIDEK WALL CLADDING STANDARD INTERNAL CORNER FOR VERTICAL CLADDING ON CAVITY



### NOTES:

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- The building designer is ultimatley responsible to ensure that details used meet the requirements of the NZ Building Code for the specific project.
- Details of the supporting structure including cavity battens are indicative only and are the responsibility of the building designer. For steel framed buildings thermal break cavity battens may be required.
- Underlay selection and building wrap types are the responsibility of the designer. When rigid wall underlay is
  required it is the designers responsibility to ensure the correct type is used and follow the manufacturers
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Detail Number: RI-RMDW004A-I

Date drawn: 07/07/2017

Scale: 1:5@ A4

### NOTES:

- I. CAVITY BATTENS CONTAINING CORROSIVE
  MATERIAL MUST BE SEPERATED FROM METAL
  CLADDING BY DPC, BUILDING WRAP, PVC OR
  PAINTING
- 2. CASTELLATED BATTEN, DRAINAGE PLASTIC
  BATTEN OR APPROVED DRAINED BATTEN CAN
  BE USED WITH THIS SYSTEM

Copyright detail (C)



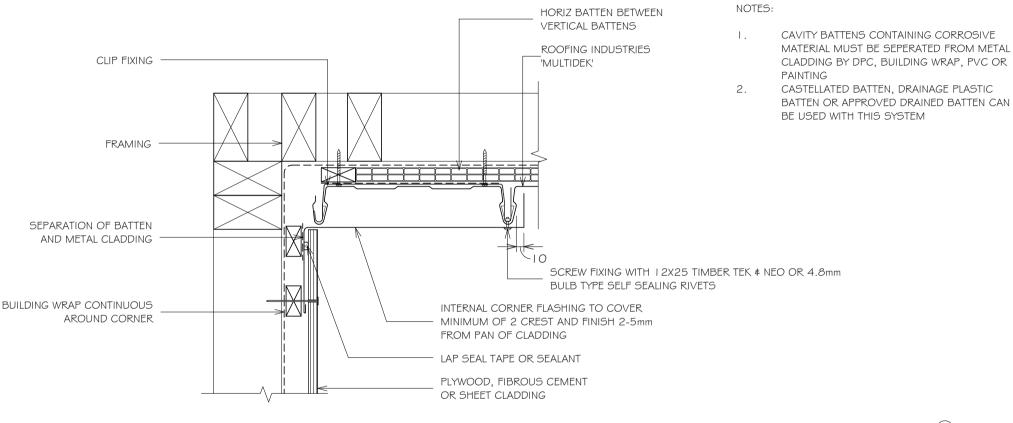


# RESIDENTIAL MULTIDEK WALL CLADDING INTERNAL CORNER FOR VERTICAL CLADDING WITH CLADDING CHANGE

Detail Number: RI-RMDW004B-I

Date drawn: 07/07/2017

Scale: 1:5@ A4



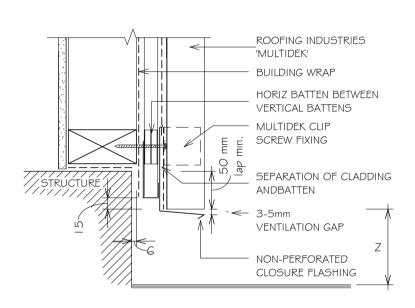
### NOTES:

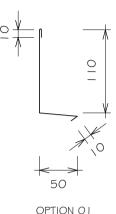
- These details are generally in compliance with E2/AS I and/or the NZ Metal Roof \$ Wall Cladding Code of Practice and in some cases specific details by 'Roofing Industries'.
- The building designer is ultimatley responsible to ensure that details used meet the requirements of the NZ Building Code for the specific project.
- Details of the supporting structure including cavity batters are indicative only and are the responsibility of the building designer. For steel framed buildings thermal break cavity batters may be required.
- Underlay selection and building wrap types are the responsibility of the designer. When rigid wall underlay is
  required it is the designers responsibility to ensure the correct type is used and follow the manufacturers
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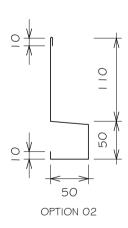




### RESIDENTIAL MULTIDEK WALL CLADDING BOTTOM OF CLADDING FOR VERTICAL RIBLINE ON CAVITY







Detail Number: RI-RMDW005A-I

Date drawn: 07/07/2017

Scale: 1:5@ A4

GET DOWAL	MINIMUM
SET DOWN	Z
PAVED SURFACE	I OOmm
UNPAVED SURFACE	175mm

### NOTF:

- I. THE BOTTOM EDGE OF THE CLADDING SHALL OVERLAP THE FOUNDATION WALL
- CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPERATED FROM METAL CLADDING BY DPC, BUILDING WRAP, PVC OR PAINTING
- 3. CASTELLATED BATTEN, DRAINAGE PLASTIC BATTEN
  OR APPROVED DRAINED BATTEN CAN BE USED
  WITH THIS SYSTEM

- These details are generally in compliance with E2/AS I and/or the NZ Metal Roof \$ Wall Cladding Code of Practice and in some cases specific details by 'Roofing Industries'.
- The building designer is ultimatley responsible to ensure that details used meet the requirements of the NZ Building Code for the specific project.
- Details of the supporting structure including cavity batters are indicative only and are the responsibility of the building designer. For steel framed buildings thermal break cavity batters may be required.
- Underlay selection and building wrap types are the responsibility of the designer. When rigid wall underlay is
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- Further information can be obtained from the NZ Metal Roof \$ Wall Cladding Code of Practice: www.metalroofing.org.nz OR NZBC clause E2/AS I.









### RESIDENTIAL MULTIDEK WALL CLADDING SOFFIT FLASHING FOR VERTICAL RIBLINE ON CAVITY

PURLIN STOPENDS AND CONTINUOUS COMPRESSABLE FOAM SEAL SILICONE OR MS POLYMER SEALANT FASCIA BD FAVE SOFFIT SOFFIT FLASHING WITH CRUSH **\$ FOLD TO LOWER EDGE** BLIND RIVET FIXED TO CLADDING **ROOFING INDUSTRIES** 'MULTIDEK' **BUILDING WRAP** SEPARATION OF BATTEN AND METAL CLADDING

### NOTES:

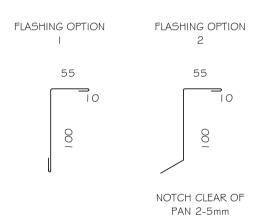
- These details are generally in compliance with E2/AS I and/or the NZ Metal Roof \$ Wall Cladding Code of Practice
  and in some cases specific details by 'Roofing Industries'.
- The building designer is ultimatley responsible to ensure that details used meet the requirements of the NZ Building Code for the specific project.
- Details of the supporting structure including cavity batters are indicative only and are the responsibility of the building designer. For steel framed buildings thermal break cavity batters may be required.
- Underlay selection and building wrap types are the responsibility of the designer. When rigid wall underlay is
  required it is the designers responsibility to ensure the correct type is used and follow the manufacturers
  recommendation for installation.
- These details are for Roofing Industries profile/s as nominated and may not be applicable to other profiles.
- This drawing is the copyright of 'Roofing Industries' and can only be copied or reproduced with their permission.
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Detail Number: RI-RMDW006A-I

Date drawn: 07/07/2017

Scale: 1:5@ A4

- I. CAVITY BATTENS CONTAINING
  CORROSIVE MATERIAL MUST BE
  SEPERATED FROM METAL CLADDING BY
  DPC, BUILDING WRAP, PVC OR PAINTING
- 2. CASTELLATED BATTEN, DRAINAGE
  PLASTIC BATTEN OR APPROVED DRAINED
  BATTEN CAN BE USED WITH THIS SYSTEM











# RESIDENTIAL MULTIDEK WALL CLADDING SLOPING SOFFIT FLASHING FOR VERTICAL RIBLINE ON CAVITY

NOTCHED TURN DOWN OR SOFT FDGE STOPENDS AND CONTINUOUS COMPRESSABLE FOAM SEAL SILICONE OR MS POLYMER SEALANT FASCIA BD **EAVE SOFFIT** SOFFIT FLASHING WITH CRUSH **# FOLD TO LOWER EDGE BLIND RIVET** FIXED TO CLADDING ROOFING INDUSTRIES 'MUITIDEK' BUILDING WRAP SEPARATION OF BATTEN AND METAL CLADDING

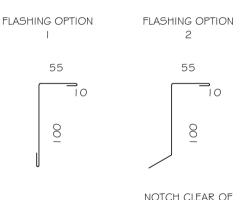
### Detail Number: RI-RMDW007A-I

Date drawn: 07/07/2017

Scale: 1:5@ A4

### NOTES:

- I. CAVITY BATTENS CONTAINING CORROSIVE
  MATERIAL MUST BE SEPERATED FROM
  METAL CLADDING BY DPC, BUILDING WRAP,
  PVC OR PAINTING
- 2. CASTELLATED BATTEN, DRAINAGE PLASTIC
  BATTEN OR APPROVED DRAINED BATTEN
  CAN BE USED WITH THIS SYSTEM



PAN 2-5mm

Copyright detail







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- Underlay selection and building wrap types are the responsibility of the designer. When rigid wall underlay is
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### RESIDENTIAL MULTIDEK WALL CLADDING VERTICAL BUTT JOINT - VERTICAL CLADDING ON CAVITY WITH CLADDING CHANGE (DIRECT FIXED)

VERTICAL FLASHING TO COVER MINIMUM OF 2 CREST AND FINISH 2-5mm GAP FROM PAN OF CLADDING PAN SCREW FIXING SCREW FIXING WITH 12X25 LAP SEAL TAPE OR SEALANT TIMBER TEK \$ NEO OR 4.8mm BULB TYPE SELF SEALING RIVETS PLYWOOD, FIBROUS CEMENT OR SHEET CLADDING ROOFING INDUSTRIES 'MULTIDEK'-HORIZ CASTELLATED BATTEN BETWEEN VERTICAL BATTENS BUILDING WRAP SEPARATION OF CLADDING ANDBATTEN VFRTICAL NOG

Detail Number: RI-RMDW009A-I

Date drawn: 07/07/2017

Scale: 1:5@ A4

### NOTES:

- I. CAVITY BATTENS CONTAINING
  CORROSIVE MATERIAL MUST BE
  SEPERATED FROM METAL CLADDING BY
  DPC, BUILDING WRAP, PVC OR
  PAINTING
- 2. CASTELLATED BATTEN, DRAINAGE
  PLASTIC BATTEN OR APPROVED
  DRAINED BATTEN CAN BE USED WITH
  THIS SYSTEM

- These details are generally in compliance with E2/AS I and/or the NZ Metal Roof # Wall Cladding Code of Practice
  and in some cases specific details by 'Roofing Industries'.
- The building designer is ultimatley responsible to ensure that details used meet the requirements of the NZ Building Code for the specific project.
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- Underlay selection and building wrap types are the responsibility of the designer. When rigid wall underlay is
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- Further information can be obtained from the NZ Metal Roof & Wall Cladding Code of Practice: www.metalroofing.org.nz OR NZBC clause E2/AS I.





### RESIDENTIAL MULTIDEK WALL CLADDING VERTICAL BUTT JOINT - VERTICAL CLADDING ON CAVITY WITH CLADDING CHANGE (CAVITY)

PAN SCREW FIXING SEPARATION OF BATTEN VERTICAL FLASHING TO COVER AND METAL CLADDING MINIMUM OF 2 CREST AND FINISH 2-5mm GAP FROM PAN OF CLADDING LAP SFAL TAPE OR SFALANT SCREW FIXING WITH 12X25 PLYWOOD, FIBROUS CEMENT TIMBER TEK & NEO OR 4.8mm OR SHEET CLADDING BULB TYPE SELF SEALING RIVETS ROOFING INDUSTRIES 'MULTIDEK' HORIZ CASTELLATED BATTEN BETWEEN VERTICAL BATTENS BUILDING WRAP SEPARATION OF CLADDING ANDBATTEN VERTICAL NOG

Detail Number: RI-RMDW009B-I

Date drawn: 07/07/2017

Scale: 1:5@ A4

#### NOTES:

I. CAVITY BATTENS CONTAINING
CORROSIVE MATERIAL MUST BE
SEPERATED FROM METAL CLADDING BY
DPC, BUILDING WRAP, PVC OR PAINTING

2. CASTELLATED BATTEN, DRAINAGE
PLASTIC BATTEN OR APPROVED DRAINED
BATTEN CAN BE USED WITH THIS SYSTEM

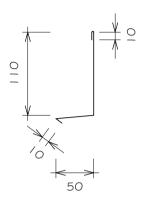
- These details are generally in compliance with E2/AS I and/or the NZ Metal Roof \$ Wall Cladding Code of Practice and in some cases specific details by 'Roofing Industries'.
- The building designer is ultimatley responsible to ensure that details used meet the requirements of the NZ Building Code for the specific project.
- Details of the supporting structure including cavity battens are indicative only and are the responsibility of the building designer. For steel framed buildings thermal break cavity battens may be required.
- Underlay selection and building wrap types are the responsibility of the designer. When rigid wall underlay is
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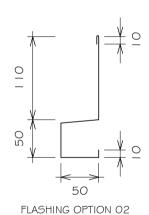


### RESIDENTIAL MULTIDEK WALL CLADDING VERTICAL CLADDING ON CAVITY JUNCTION FLASHING

ROOFING INDUSTRIES 'MUITIDEK HORIZ BATTEN BETWEEN VERTICAL BATTENS HEM MULTIDEK CLIP SCREW FIXED SEPARATION OF BATTEN AND METAL CLADDING BUILDING WRAP BUILDING WRAP FROM ABOVE LAPPED OVER FLASHING Ŋ DPC PVC CAVITY CLOSER FLASHING WITH 10° FALL 5mm min. manufacturina BIRD'S BEAK at bottom edge of vertical flashing



FLASHING OPTION OF



Detail Number: RI-RMDWO I OA- I

Date drawn: 07/07/2017

Scale: 1:5@ A4

SITE WIND ZONE	MINIMUM	
(As per NZS3604)	Z	Y
SITUATION I (1)	75mm	75mm <sup>(3)</sup>
SITUATION 2 (2)	I OOmm	I OOmm <sup>(3)</sup>

### NOTES:

- SITUATION I: IN LOW, MEDIUM OR HIGH WIND
- SITUATION 2: FOR VERY HIGH & EXTRA HIGH WIND ZONES
- EXCLUDES DRIP EDGE.
- CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPERATED FROM METAL CLADDING BY DPC, BUILDING WRAP, PVC OR PAINTING
- CASTELLATED BATTEN, DRAINAGE PLASTIC BATTEN OR APPROVED DRAINED BATTEN CAN BE USED WITH THIS SYSTEM

### NOTES:

Bird's beak dimensions may vary between

locations

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- Further information can be obtained from the NZ Metal Roof & Wall Cladding Code of Practice: www.metalroofing.org.nz OR NZBC clause E2/ASI.







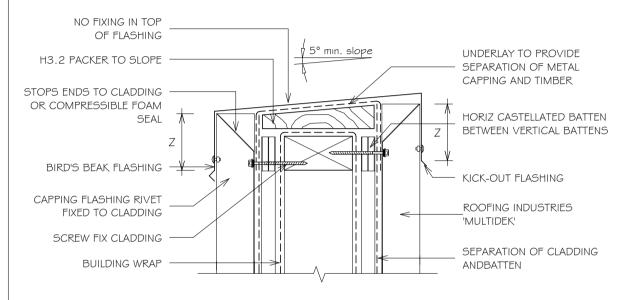


### RESIDENTIAL MULTIDEK WALL CLADDING BALUSTRADE FOR VERTICAL CLADDING ON CAVITY

Detail Number: RI-RMDWO I I A- I

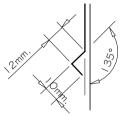
Date drawn: 07/07/2017

Scale: 1:5@ A4

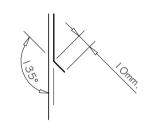


may vary between manufacturing locations

Bird's beak dimensions



BIRD'S BEAK at bottom edge of vertical flashing



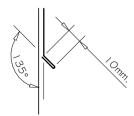
KICK-OUT at bottom edge of vertical flashing

SITE WIND ZONE	MINIMUM (mm)
(As per NZS3604)	Z
SITUATION I (1)	75 <sup>(3)</sup>
SITUATION 2 (2)	100(3)

### NOTES:

- SITUATION I: IN LOW, MEDIUM OR HIGH WIND ZONES
- SITUATION 2: FOR VERY HIGH & EXTRA HIGH WIND ZONES
- 3 EXCLUDES DRIP EDGE.
- CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPERATED FROM METAL CLADDING BY DPC, BUILDING WRAP, PVC OR PAINTING
- CASTELLATED BATTEN. DRAINAGE PLASTIC BATTEN OR APPROVED DRAINED BATTEN CAN BE USED WITH THIS SYSTEM
- SLOPE FOR PARAPET CAP 5 DEGREES. INCREASE SLOPE FOR BALUSTRADE TO 10 DEGREES. REFER F4/AS1.

- These details are generally in compliance with E2/AS I and/or the NZ Metal Roof \$ Wall Cladding Code of Practice and in some cases specific details by 'Roofing Industries'.
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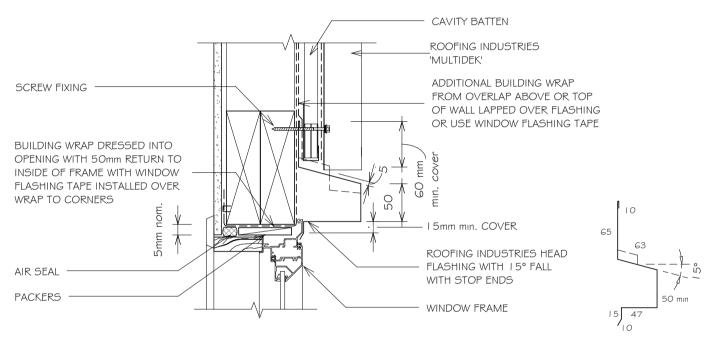
KICK-OUT hem at bottom edge of vertical flashing







# RESIDENTIAL MULTIDEK WALL CLADDING HEAD FLASHING FOR VERTICAL CLADDING ON CAVITY (RECESSED WINDOW/DOOR)



(Dimensions are indicative only) Turn down end of head flashing to jamb flashing

Detail Number: RI-RMDWO I 2A-I

Date drawn: 07/07/2017

Scale: 1:5@ A4

### **GENERAL NOTES:**

- I. REFER TO E2/AS I FOR GENERAL WINDOW OPENING FOR WRAPPING OF FRAMED OPENING PRIOR TO WINDOW INSTALLATION.
- A MIN. OF 8mm EFFECTIVE COVER AT SILLS SHALL BE PERMITTED WHERE NECESSARY TO ALLOW FOR TOLERANCES.
- 3. WINDOW PROFILE TO BE SELECTED TO ACHIEVE COVER SHOWN IN DETAILS.
- 4. ARCHITRAVE'S ARE SHOWN FOR CONSISTENCY ONLY, DETAIL MAY BE USED WITH REBATED LINER.
- 5. WHERE SUPPORT BRACKETS ARE REQUIRED BY THE WINDOW MANUFACTURER TO CARRY THE FRAME AND GLAZING LOADS THEY MUST BE SUPPLIED AS AN INTEGRAL PART OF THE WINDOW MANUFACTURER'S RECOMMENDATIONS.
- LIASE WITH WINDOW MANUFACTURER PRIOR TO INSTALLATION.
- SEAL HEAD FLASHING TO WINDOW IN VERY HIGH ¢ EXTRA HIGH WIND ZONES.
- 8. REFER TO E2/AS I FOR ALTERNATIVE.
- CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPERATED FROM METAL CLADDING BY DPC, BUILDING WRAP, PVC OR PAINTING
- IO. CASTELLATED BATTEN, DRAINAGE PLASTIC BATTEN OR APPROVED DRAINED BATTEN CAN BE USED WITH THIS SYSTEM

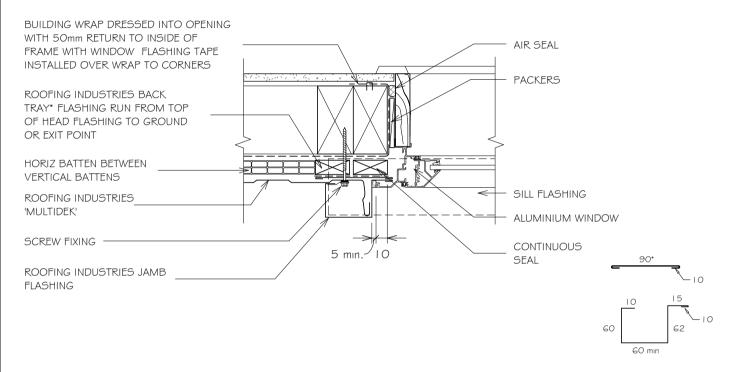
### NOTES:

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- Underlay selection and building wrap types are the responsibility of the designer. When rigid wall underlay is
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- This drawing is the copyright of 'Roofing Industries' and can only be copied or reproduced with their permission.
- Further information can be obtained from the NZ Metal Roof & Wall Cladding Code of Practice: www.metalroofing.org.nz OR NZBC clause E2/AS I.

REFERENCE FLASHINGS:
NZ METAL ROOF AND WALL
CLADDING CODE OF PRACTICE
NZMRM AND E2/AS I.
DIMENSIONS ARE INDICATIVE ONLY



# RESIDENTIAL MULTIDEK WALL CLADDING JAMB FLASHING FOR VERTICAL CLADDING ON CAVITY. (RECESSED WINDOW/DOOR)



\* Back tray size may require to increase to ensure coverage at ends of head flashling. (Dimensions are indicative only) Turn down end of head flashing

#### NOTES:

- These details are generally in compliance with E2/AS I and/or the NZ Metal Roof \$ Wall Cladding Code of Practice and in some cases specific details by 'Roofing Industries'.
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- Further information can be obtained from the NZ Metal Roof \$ Wall Cladding Code of Practice: www.metalroofing.org.nz OR NZBC clause E2/AS I.

Detail Number: RI-RMDW012B-1

Date drawn: 07/07/2017

Scale: 1:5@ A4

#### GENERAL NOTES:

- REFER TO E2/AS I FOR GENERAL WINDOW OPENING FOR WRAPPING OF FRAMED OPENING PRIOR TO WINDOW INSTALLATION.
- A MIN. OF 8mm EFFECTIVE COVER AT SILLS SHALL BE PERMITTED WHERE NECESSARY TO ALLOW FOR TOLERANCES.
- 3. WINDOW PROFILE TO BE SELECTED TO ACHIEVE COVER SHOWN IN DETAILS.
- 4. ARCHITRAVE'S ARE SHOWN FOR CONSISTENCY ONLY, DETAIL MAY BE USED WITH REBATED LINER.
- 5. WHERE SUPPORT BRACKETS ARE REQUIRED BY THE WINDOW MANUFACTURER TO CARRY THE FRAME AND GLAZING LOADS THEY MUST BE SUPPLIED AS AN INTEGRAL PART OF THE WINDOW MANUFACTURER'S RECOMMENDATIONS.
- G. LIASE WITH WINDOW MANUFACTURER PRIOR TO INSTALLATION.
- 7. REFER TO E2/AS I FOR ALTERNATIVE.
- CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPERATED FROM METAL CLADDING BY DPC, BUILDING WRAP, PVC OR PAINTING
  - CASTELLATED BATTEN, DRAINAGE PLASTIC BATTEN OR APPROVED DRAINED BATTEN CAN BE USED WITH THIS SYSTEM

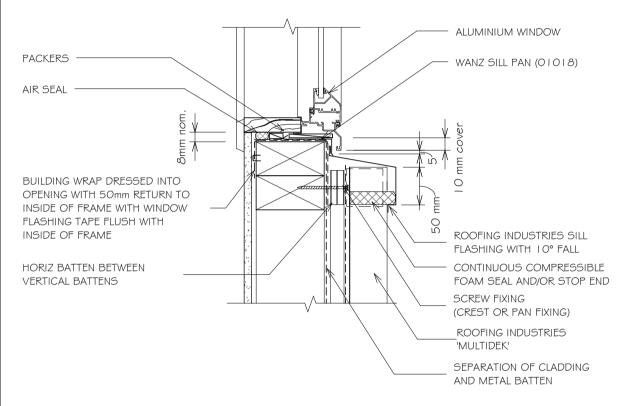
REFERENCE FLASHINGS: NZ METAL ROOF AND WALL CLADDING CODE OF PRACTICE NZMRM AND E2/AS I . DIMENSIONS ARE INDICATIVE ONLY

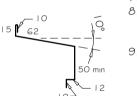






# RESIDENTIAL MULTIDEK WALL CLADDING SILL FLASHING FOR VERTICAL CLADDING ON CAVITY. (RECESSED WINDOW/DOOR)





Sill flashings stop ended to receive jamb flashings (Dimensions are indicative only \$ show minimum lap covers)

Detail Number: RI-RMDW012C-1

Date drawn: 07/07/2017

Scale: 1:5@ A4

### GENERAL NOTES:

- . REFER TO E2/AS I FOR GENERAL WINDOW OPENING FOR WRAPPING OF FRAMED OPENING PRIOR TO WINDOW INSTALLATION.
- A MIN. OF 8mm EFFECTIVE COVER AT SILLS SHALL BE PERMITTED WHERE NECESSARY TO ALLOW FOR TOLERANCES.
- WINDOW PROFILE TO BE SELECTED TO ACHIEVE COVER SHOWN IN DETAILS.
- 4. ARCHITRAVE'S ARE SHOWN FOR CONSISTENCY ONLY, DETAIL MAY BE USED WITH REBATED LINER.
- 5. WHERE SUPPORT BRACKETS ARE REQUIRED BY THE WINDOW MANUFACTURER TO CARRY THE FRAME AND GLAZING LOADS THEY MUST BE SUPPLIED AS AN INTEGRAL PART OF THE WINDOW MANUFACTURER'S RECOMMENDATIONS.
- LIASE WITH WINDOW MANUFACTURER PRIOR TO
   INSTALLATION
- REFER TO E2/AS I FOR ALTERNATIVE.
  - CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPERATED FROM METAL CLADDING BY DPC, BUILDING WRAP, PVC OR PAINTING

CASTELLATED BATTEN, DRAINAGE PLASTIC BATTEN OR APPROVED DRAINED BATTEN CAN BE USED WITH THIS SYSTEM

REFERENCE FLASHINGS:
NZ METAL ROOF AND WALL
CLADDING CODE OF PRACTICE
NZMRM AND E2/AS I.
DIMENSIONS ARE INDICATIVE ONLY

Copyright detail



2017



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# RESIDENTIAL MULTIDEK WALL CLADDING METER BOX HEAD FLASHING FOR VERTICAL CLADDING ON CAVITY

SEPARATION OF CLADDING AND HORIZ BATTEN BETWEEN METAL BATTEN VERTICAL BATTENS ROOFING INDUSTRIES MULTIDEK SCREW CLIP FIXING 'MLILTIDEK' ADDITIONAL BUILDING WRAP FROM OVERLAP ABOVE LAPPED OVER FLASHING OR USE WINDOW FLASHING TAPE 75 ROOFING INDUSTRIES HEAD FLASHING WITH 15° FALL. TURN BUILDING WRAP DRESSED INTO DOWN END OF HEAD FLASHING. OPENING WITH 50mm RETURN TO INSIDE OF FRAME WITH WINDOW 15mm min. COVER FLASHING TAPE INSTALLED OVER WRAP TO CORNERS 40x40 PREFINISHED STEEL ANGLE TO HEAD OF METER BOX. POSITION TO SUIT CLADDING, SEAL ANGLE TO HEAD. WATERPROOF AIRSEAL TO PERIMETER OF TRIM CAVITY METER BOX

Detail Number: RI-RMDWO I 5A-I

Date drawn: 07/07/2017

Scale: 1:5@ A4

### NOTES:

- I. REFER TO E2/AS I FOR GENERAL
  METERBOX AND SIMILAR PENETRATIONS /
  OPENINGS.
- 2. CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPERATED FROM METAL CLADDING BY DPC, BUILDING WRAP, PVC OR PAINTING
- 3. CASTELLATED BATTEN, DRAINAGE PLASTIC
  BATTEN OR APPROVED DRAINED BATTEN
  CAN BE USED WITH THIS SYSTEM

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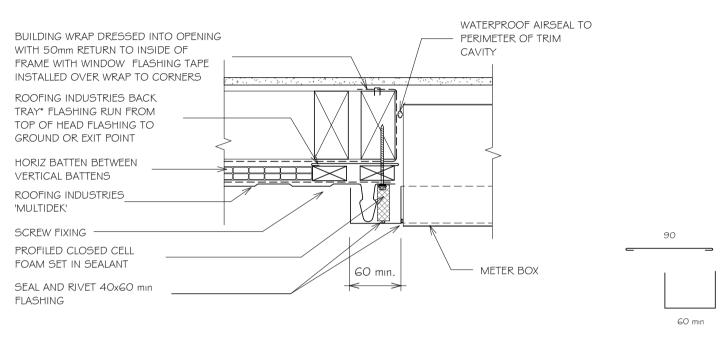


# RESIDENTIAL MULTIDEK WALL CLADDING METER BOX SIDE FLASHING FOR VERTICAL CLADDING ON CAVITY

Detail Number: RI-RMDWOIGA-I

Date drawn: 07/07/2017

Scale: 1:5@ A4



### NOTES:

- I. REFER TO E2/ASI FOR GENERAL
  METERBOX AND SIMILAR PENETRATIONS /
  OPENINGS.
- CAVITY BATTENS CONTAINING
  CORROSIVE MATERIAL MUST BE
  SEPERATED FROM METAL CLADDING BY
  DPC. BUILDING WRAP, PVC OR PAINTING
- 3. CASTELLATED BATTEN, DRAINAGE PLASTIC
  BATTEN OR APPROVED DRAINED BATTEN
  CAN BE USED WITH THIS SYSTEM

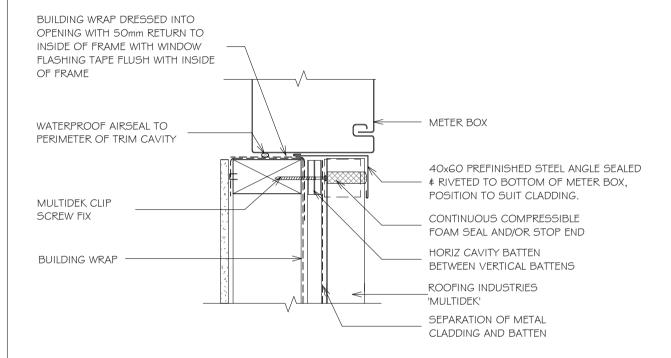
\* Back tray size may require to increase to ensure coverage at ends of head flashing. (Dimensions are indicative only) Turn down end of head flashing

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### RESIDENTIAL MULTIDEK WALL CLADDING METER BOX BASE FLASHING FOR VERTICAL CLADDING ON CAVITY



NOTES:

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Detail Number: RI-RMDWO 17A-1

Date drawn: 07/07/2017

Scale: 1:5@ A4

### NOTES:

- REFER TO E2/AS I FOR GENERAL METERBOX AND SIMILAR PENETRATIONS / OPENINGS.
- CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPERATED FROM METAL CLADDING BY DPC. BUILDING WRAP. PVC OR
- 3 CASTELLATED BATTEN. DRAINAGE PLASTIC BATTEN OR APPROVED DRAINED BATTEN CAN BE LISED WITH THIS SYSTEM



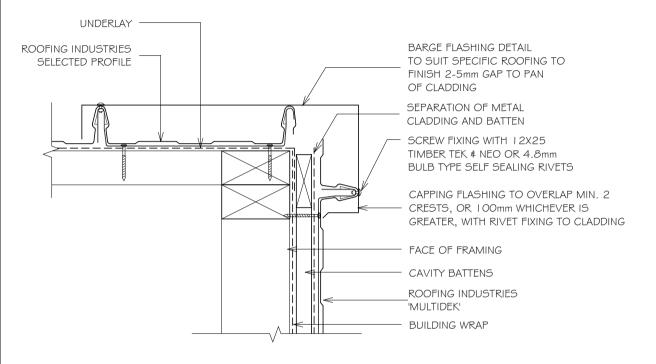


# RESIDENTIAL MULTIDEK WALL CLADDING BARGE DETAIL FOR HORIZONTAL CLADDING (KICK OUT)

Detail Number: RI-RMDW021A

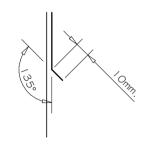
Date drawn: 07/07/2017

Scale: 1:5@ A4



#### NOTES:

- I. MINIMUM I 2 GAUGE WITH 30mm PENETRATION INTO FRAMING TIMBER TEKSCREW WITH NEO. (USE STEELTEK FOR STEEL FRAMING)
- CAVITY BATTENS CONTAINING CORROSIVE
   MATERIAL MUST BE SEPARATED FROM METAL
   CLADDING BY DPC, BUILDING WRAP, PVC OR
   PAINTING.
- 3. REFER TO E2/AS I AND/OR MRM CODE OF PRACTICE FOR COVER OF FLASHING.



KICK-OUT at bottom edge of vertical flashing

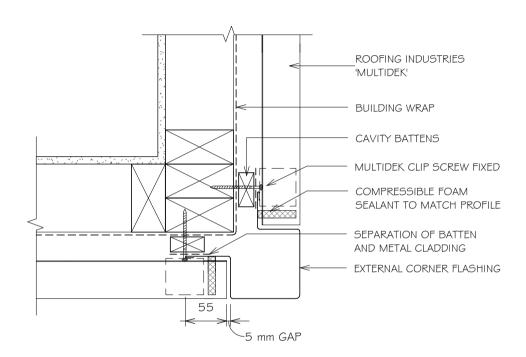
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### RESIDENTIAL MULTIDEK WALL CLADDING EXTERNAL CORNER FLASHING FOR HORIZONTAL CLADDING



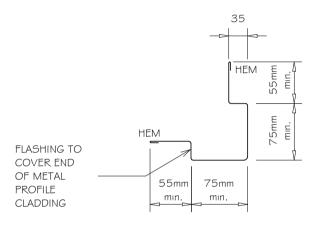
Detail Number: RI-RMDW023A

Date drawn: 07/07/2017

Scale: 1:5@ A4

### NOTES:

- I. MINIMUM I 2 GAUGE WITH 30mm PENETRATION INTO FRAMING TIMBER TEKSCREW WITH NEO. (USE STEELTEK FOR STEEL FRAMING)
- CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPARATED FROM METAL CLADDING BY DPC, BUILDING WRAP, PVC OR PAINTING.

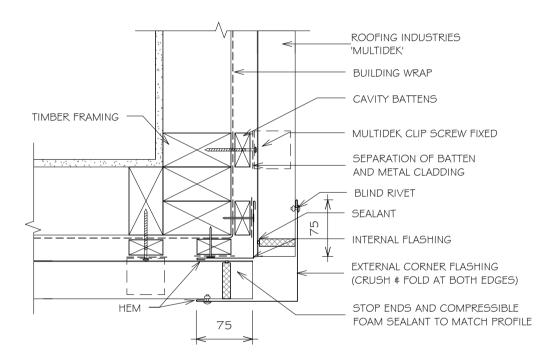


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# RESIDENTIAL MULTIDEK WALL CLADDING ALTERNATIVE EXTERNAL CORNER FLASHING FOR HORIZONTAL CLADDING



### NOTES:

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Detail Number: RI-RMDW023B

Date drawn: 07/07/2017

Scale: 1:5@ A4

- I. MINIMUM I 2 GAUGE WITH 30mm PENETRATION INTO FRAMING TIMBER TEKSCREW WITH NEO. (USE STEELTEK FOR STEEL FRAMING)
- CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPARATED FROM METAL CLADDING BY DPC. BUILDING WRAP, PVC OR PAINTING.





# RESIDENTIAL MULTIDEK WALL CLADDING INTERNAL CORNER FLASHING FOR HORIZONTAL CLADDING

SEPARATION OF BATTEN
AND METAL CLADDING

ROOFING INDUSTRIES
'MULTIDEK'

INTERNAL CORNER FLASHING
COMPRESSIBLE FOAM
SEALANT
MULTIDEK CLIP SCREW FIXED
CAVITY BATTENS

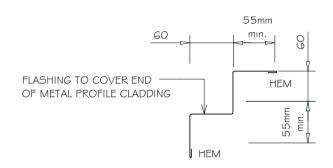
Detail Number: RI-RMDW024A

Date drawn: 07/07/2017

Scale: 1:5@ A4

#### NOTES:

- I. MINIMUM I 2 GAUGE WITH 30mm PENETRATION INTO FRAMING TIMBER TEKSCREW WITH NEO. (USE STEELTEK FOR STEEL FRAMING)
- CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPARATED FROM METAL CLADDING BY DPC. BUILDING WRAP, PVC OR PAINTING.

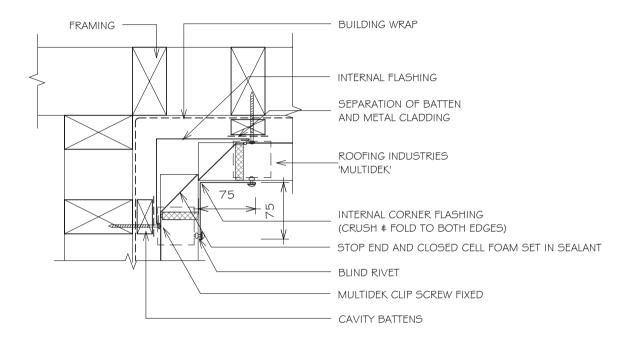


- These details are generally in compliance with E2/AS I and/or the NZ Metal Roof \$ Wall Cladding Code of Practice and in some cases specific details by 'Roofing Industries'.
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# RESIDENTIAL MULTIDEK WALL CLADDING ALTERNATIVE INTERNAL CORNER FLASHING FOR HORIZONTAL CLADDING



### Detail Number: RI-RMDW024B

Date drawn: 07/07/2017

Scale: 1:5@ A4

### NOTES:

- MINIMUM 12 GAUGE WITH 30mm PENETRATION INTO FRAMING TIMBER TEKSCREW WITH NEO. (USE STEELTEK FOR STEEL FRAMING)
- CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPARATED FROM METAL CLADDING BY DPC, BUILDING WRAP. PVC OR PAINTING.

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- Further information can be obtained from the NZ Metal Roof & Wall Cladding Code of Practice: www.metalroofing.org.nz OR NZBC clause E2/AS I.





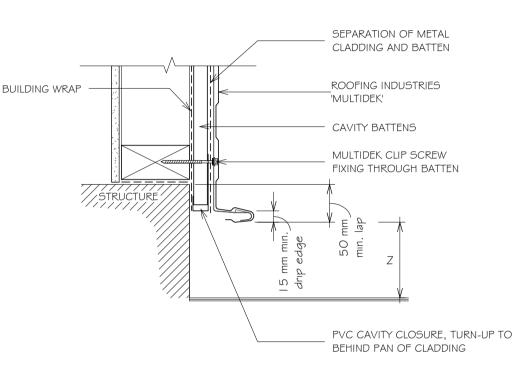


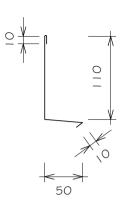
# RESIDENTIAL MULTIDEK WALL CLADDING BOTTOM OF CLADDING FOR HORIZONTAL RIBLINE

Detail Number: RI-RMDW025A

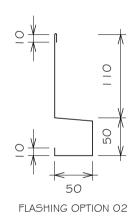
Date drawn: 07/07/2017

Scale: 1:5@ A4





FLASHING OPTION OI



SFT DOWN	MINIMUM
SLI DOWN	Z
PAVED SURFACE	I OOmm
UNPAVED SURFACE	175mm

### NOTES:

- MINIMUM I 2 GAUGE WITH 30mm PENETRATION INTO FRAMING TIMBER TEKSCREW WITH NEO. (USE STEELTEK FOR STEEL FRAMING)
- CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPARATED FROM METAL CLADDING BY DPC, BUILDING WRAP, PVC OR PAINTING.

- These details are generally in compliance with E2/AS I and/or the NZ Metal Roof # Wall Cladding Code of Practice and in some cases specific details by 'Roofing Industries'.
- The building designer is ultimatley responsible to ensure that details used meet the requirements of the NZ Building Code for the specific project.
- Details of the supporting structure including cavity batters are indicative only and are the responsibility of the building designer. For steel framed buildings thermal break cavity batters may be required.
- Underlay selection and building wrap types are the responsibility of the designer. When rigid wall underlay is
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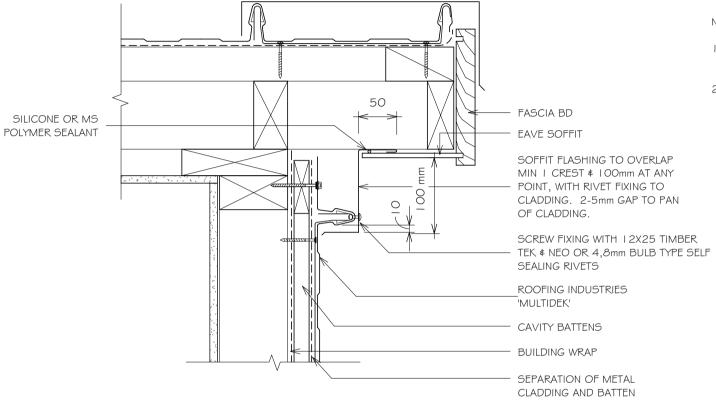


### RESIDENTIAL MULTIDEK WALL CLADDING SOFFIT FLASHING FOR HORIZONTAL RIBLINE

Detail Number: RI-RMDW026A

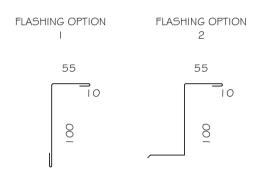
Date drawn: 07/07/2017

Scale: 1:5@ A4



### NOTES:

- 1 MINIMUM 12 GAUGE WITH 30mm PENETRATION INTO FRAMING TIMBER TEKSCREW WITH NEO. (USE STEELTEK FOR STEEL FRAMING)
- CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPARATED FROM METAL CLADDING BY DPC. BUILDING WRAP, PVC OR PAINTING.



2-5mm TO PAN

NOTCH GAP

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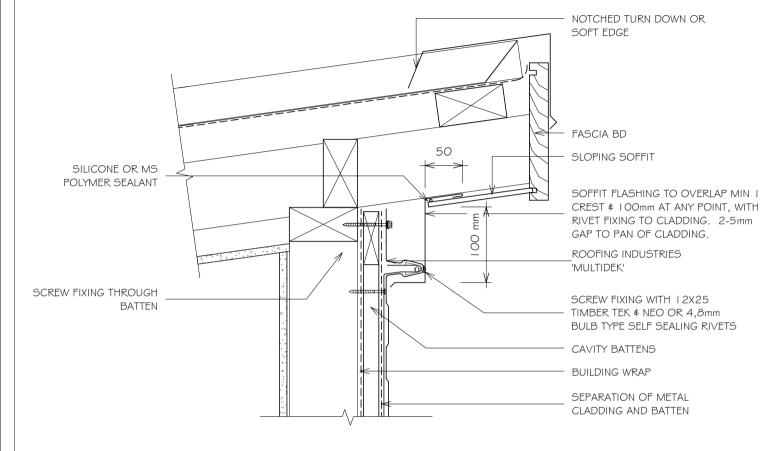


### RESIDENTIAL MULTIDEK WALL CLADDING SLOPING SOFFIT FLASHING FOR HORIZONTAL RIBLINE

Detail Number: RI-RMDW027A

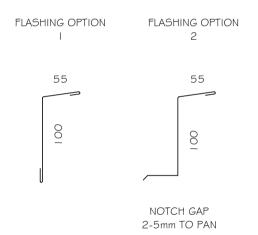
Date drawn: 07/07/2017

Scale: 1:5@ A4



#### NOTES:

- I. MINIMUM I 2 GAUGE WITH 30mm PENETRATION INTO FRAMING TIMBER TEKSCREW WITH NEO. (USE STEELTEK FOR STEEL FRAMING)
- CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPARATED FROM METAL CLADDING BY DPC, BUILDING WRAP, PVC OR PAINTING.



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# RESIDENTIAL MULTIDEK WALL CLADDING VERTICAL BUTT JOINT FOR HORIZONTAL CLADDING

Detail Number: RI-RMDW028A

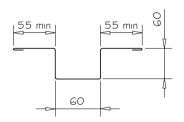
Date drawn: 07/07/2017

Scale: 1:5@ A4

# ADDITIONAL FRAMING AS NECESSARY TO SUPPORT CLADDING AND FLASHING SCREW FIXING TO STUD BUILDING WRAP VERTICAL BATTENS ROOFING INDUSTRIES MULTIDEK' PROFILED CLOSED CELL FOAM SET IN SEALANT 5 gap SEPARATION OF BATTEN AND METAL CLADDING HEM

### NOTES:

- I. MINIMUM I 2 GAUGE WITH 30mm PENETRATION INTO FRAMING TIMBER TEKSCREW WITH NEO. (USE STEELTEK FOR STEEL FRAMING)
- CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPARATED FROM METAL CLADDING BY DPC, BUILDING WRAP, PVC OR PAINTING.



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### RESIDENTIAL MULTIDEK WALL CLADDING VERTICAL BUTT JOINT FOR HORIZONTAL CLADDING, OPTION 2

ADDITIONAL FRAMING AS NECESSARY TO SUPPORT CLADDING AND FLASHING

SCREW FIXING TO STUD

BUILDING WRAP

VERTICAL BATTENS

ROOFING INDUSTRIES

'MULTIDEK'

PROFILED CLOSED CELL FOAM

SET IN SEALANT

SEPARATION OF BATTEN AND METAL CLADDING

HEM

50 min

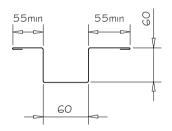
Detail Number: RI-RMDW028B

Date drawn: 07/07/2017

Scale: 1:5@ A4

#### NOTES:

- MINIMUM 12 GAUGE WITH 30mm PENETRATION INTO FRAMING TIMBER TEKSCREW WITH NEO. (USE STEELTEK FOR STEEL FRAMING)
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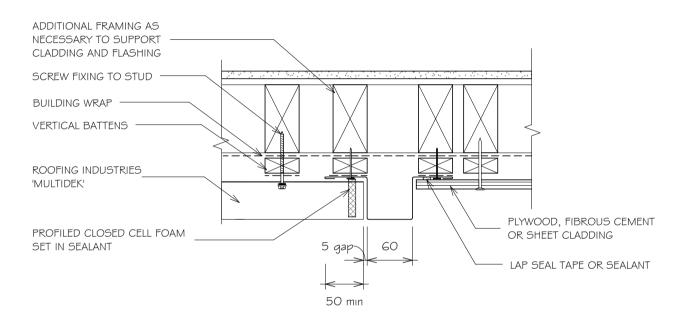


### RESIDENTIAL MULTIDEK WALL CLADDING VERTICAL BUTT JOINT FOR HORIZONTAL CLADDING TO ALTERNATIVE CLADDING (UP TO 25MM)

Detail Number: RI-RMDW029A

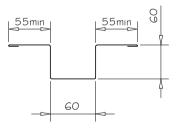
Date drawn: 07/07/2017

Scale: 1:5@ A4



### NOTES:

- I. MINIMUM I 2 GAUGE WITH 30mm PENETRATION INTO FRAMING TIMBER TEKSCREW WITH NEO. (USE STEELTEK FOR STEEL FRAMING)
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# RESIDENTIAL MULTIDEK WALL CLADDING HORIZONTAL CLADDING JUNCTION FLASHING

SEPARATION OF METAL CLADDING AND BATTEN ROOFING INDUSTRIES 'MULTIDEK' ON 20mm CAVITY BATTENS (5) WITH BUILDING WRAP OVER FLASHING CREST OR PAN HFM SCREW FIXING THROUGH BATTEN PVC CAVITY CLOSURE DPC BEHIND FLASHING FLASHING OPTION OI DPC 35 FLASHING WITH IO° FALL Bird's beak dimensions may vary between 50 manufacturina BIRD'S BEAK at bottom locations FLASHING OPTION 02 edge of vertical flashing

Detail Number: RI-RMDW030A

Date drawn: 07/07/2017

Scale: 1:5@ A4

SITE WIND ZONE	MINIMUM	
(As per NZS3604)	Z	Y
SITUATION I (1)	75mm	75mm <sup>(3)</sup>
SITUATION 2 (2)	I OOmm	I 00mm <sup>(3)</sup>

### NOTES:

- I. SITUATION I: IN LOW, MEDIUM OR HIGH WIND ZONES.
- SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH \$
   EXTRA HIGH WIND ZONES.
- EXCLUDES DRIP EDGE.
- 4. MINIMUM I 2 GAUGE WITH 30mm PENETRATION INTO FRAMING TIMBER TEKSCREW WITH NEO. (USE STEELTEK FOR STEEL FRAMING)
- 5. CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPARATED FROM METAL CLADDING BY DPC, BUILDING WRAP. PVC OR PAINTING.

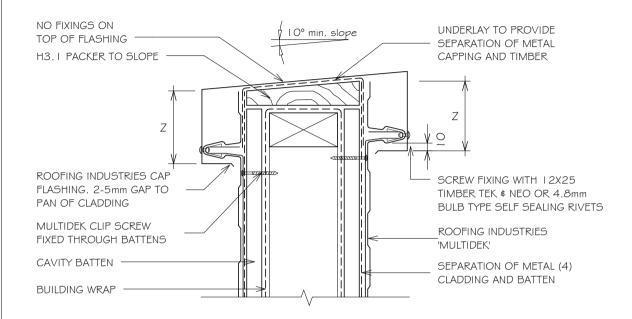
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### RESIDENTIAL MULTIDEK WALL CLADDING BALUSTRADE FOR HORIZONTAL CLADDING



### NOTES:

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Detail Number: RI-RMDW03 I A

Date drawn: 07/07/2017

Scale: 1:5@ A4

SITE WIND ZONE	MINIMUM (mm)
(As per NZS3604)	Z
SITUATION I (1)	75 or 2 <sup>(3)</sup>
	corrugations min
SITUATION 2 (2)	100 or 2 (3)
	corrugations min

#### NOTES:

- I. SITUATION I: IN LOW, MEDIUM OR HIGH WIND ZONES.
- 2. SITUATION 2: FOR ALL ROOF PITCHES IN VERY HIGH \$ EXTRA HIGH WIND ZONES.
- EXCLUDES DRIP EDGE.
- 4. CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPARATED FROM METAL CLADDING BY DPC. BUILDING WRAP. PVC OR PAINTING.
- SLOPE FOR PARAPET CAP 5 DEGREES. INCREASE SLOPE FOR BALUSTRADE TO 10 DEGREES. REFER F4/AS1.

Copyright detail

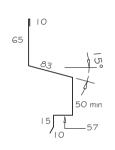


2017



# RESIDENTIAL MULTIDEK WALL CLADDING HEAD FLASHING FOR HORIZONTAL CLADDING (RECESSED WINDOW/DOOR)

-ROOFING INDUSTRIES 'MULTIDEK' ADDITIONAL BUILDING WRAP FROM OVERLAP ABOVE OR TOP OF WALL LAPPED OVER CAVITY CLOSER MULTIDEK CLIP SCREW FIXED OR USE WINDOW FLASHING TAPE SEPARATION OF METAL WANZ WIZ CAVITY CLADDING AND BATTEN CLOSER POSITIONED TO GIVE 15mm MIN DRIP STOP FND TO HEAD FLASHING EDGE TO CLADDING BEHIND CLADDING BUILDING WRAP DRESSED INTO OPENING WITH 50mm RETURN TO INSIDE OF FRAME WITH WINDOW FLASHING TAPE INSTALLED OVER WRAP TO CORNERS 20 ROOFING INDUSTRIES AIR SFAI HEAD FLASHING WITH 15° FALL **PACKERS** WINDOW FRAME



(Dimensions are indicative only)
Turn down end of head flashing to
jamb flashing.

At end of head flashing under sheet may need flattening or carefully slit and seal. Detail Number: RI-RMDW032A

Date drawn: 07/07/2017

Scale: 1:5@ A4

### GENERAL NOTES:

- I. REFER TO E2/AS I FOR GENERAL WINDOW OPENING FOR WRAPPING OF FRAMED OPENING PRIOR TO WINDOW INSTALLATION.
- A MIN. OF 8mm EFFECTIVE COVER AT SILLS SHALL BE PERMITTED WHERE NECESSARY TO ALLOW FOR TOLERANCES.
- WINDOW PROFILE TO BE SELECTED TO ACHIEVE COVER SHOWN IN DETAILS.
- 4. ARCHITRAVE'S ARE SHOWN FOR CONSISTENCY ONLY,
  DETAIL MAY BE USED WITH REBATED LINER.
- 5. WHERE SUPPORT BRACKETS ARE REQUIRED BY THE WINDOW MANUFACTURER TO CARRY THE FRAME AND GLAZING LOADS THEY MUST BE SUPPLIED AS AN INTEGRAL PART OF THE WINDOW MANUFACTURER'S RECOMMENDATIONS.
- LIAISE WITH WINDOW MANUFACTURER PRIOR TO INSTALLATION.
- SEAL HEAD FLASHING TO WINDOW IN VERY HIGH & EXTRA HIGH WIND ZONES.

REFERENCE FLASHINGS:
NZ METAL ROOF AND WALL CLADDING
CODE OF PRACTICE AND E2/AS I.
DIMENSIONS ARE INDICATIVE ONLY.

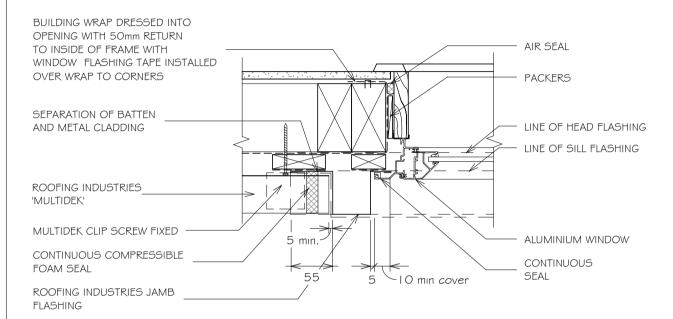
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# RESIDENTIAL MULTIDEK WALL CLADDING JAMB FLASHING FOR HORIZONTAL CLADDING (RECESSED WINDOW/DOOR)



SOAKER FLASHING MAY BE REQUIRED IN WIND ZONE GREATER THAN VERY HIGH. BACK TRAY TO RUN FROM TOP OF HEAD FLASHING TO GROUND OR FXIT POINT

Detail Number: RI-RMDW032B

Date drawn: 07/07/2017

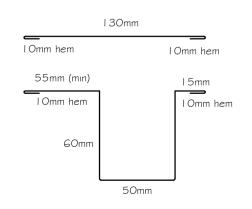
Scale: 1:5@ A4

### GENERAL NOTES:

- I. REFER TO E2/AS I FOR GENERAL WINDOW OPENING FOR WRAPPING OF FRAMED OPENING PRIOR TO WINDOW INSTALLATION.
- 2. A MIN. OF 8mm EFFECTIVE COVER AT SILLS SHALL BE PERMITTED WHERE NECESSARY TO ALLOW FOR TOLERANCES.
- 3. WINDOW PROFILE TO BE SELECTED TO ACHIEVE COVER SHOWN IN DETAILS.
- 4. ARCHITRAVE'S ARE SHOWN FOR CONSISTENCY ONLY, DETAIL MAY BE USED WITH REBATED LINER.
- 5. WHERE SUPPORT BRACKETS ARE REQUIRED BY THE WINDOW MANUFACTURER TO CARRY THE FRAME AND GLAZING LOADS THEY MUST BE SUPPLIED AS AN INTEGRAL PART OF THE WINDOW MANUFACTURER'S RECOMMENDATIONS
- LIAISE WITH WINDOW MANUFACTURER PRIOR TO INSTALLATION.

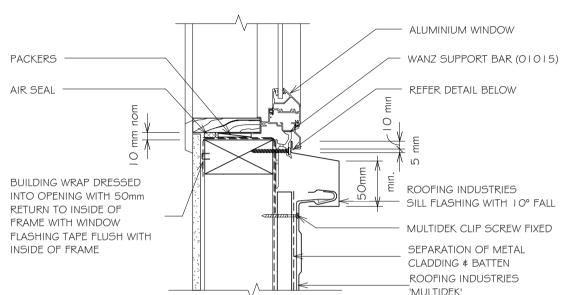
REFERENCE FLASHINGS:
NZ METAL ROOF AND WALL CLADDING
CODE OF PRACTICE AND E2/AS I.
DIMENSIONS ARE INDICATIVE ONLY.

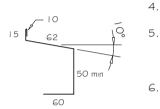
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### RESIDENTIAL MULTIDEK WALL CLADDING SILL FLASHING FOR HORIZONTAL CLADDING (RECESSED WINDOW/DOOR)





Sill flashings stop ended to receive jamb flashings (Dimensions are indicative only \$ show minimum lap covers)

### NOTF:

Continuous seal Keep dramage

passage clear

Sill sealing method for flange end type drainage systems

Detail Number: RI-RMDW032C

Date drawn: 07/07/2017

Scale: 1:5@ A4

#### GENERAL NOTES:

- REFER TO F2/AS L FOR GENERAL WINDOW OPENING FOR WRAPPING OF FRAMED OPENING PRIOR TO WINDOW INSTALLATION
- 2. A MIN. OF 8mm EFFECTIVE COVER AT SILLS SHALL BE PERMITTED WHERE NECESSARY TO ALLOW FOR TOLERANCES.
- 3 WINDOW PROFILE TO BE SELECTED TO ACHIEVE COVER SHOWN IN DETAILS.
- ARCHITRAVE'S ARE SHOWN FOR CONSISTENCY ONLY. DETAIL MAY BE USED WITH REBATED LINER.
  - WHERE SUPPORT BRACKETS ARE REQUIRED BY THE WINDOW MANUFACTURER TO CARRY THE FRAME AND GLAZING LOADS THEY MUST BE SUPPLIED AS AN INTEGRAL PART OF THE WINDOW MANUFACTURER'S RECOMMENDATIONS.
    - LIASE WITH WINDOW MANUFACTURER PRIOR TO INSTALLATION.

REFERENCE FLASHINGS: NZ METAL ROOF AND WALL CLADDING CODE OF PRACTICE NZMRM AND E2/AS1. DIMENSIONS ARE INDICATIVE ONLY

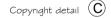
### NOTES:

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I Omm min cover

Continuous seal

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roof.co.nz

# RESIDENTIAL MULTIDEK WALL CLADDING METER BOX HEAD FLASHING FOR HORIZONTAL CLADDING

ROOFING INDUSTRIES 'MULTIDEK' ADDITIONAL BUILDING WRAP FROM OVERLAP ABOVE SCREW FIXING (CREST LAPPED OVER FLASHING OR PAN FIXING) OR USE WINDOW FLASHING TAPE SEPARATION OF METAL CLADDING AND BATTEN PVC CAVITY CLOSURF ROOFING INDUSTRIES HEAD ШШ FLASHING WITH 15° FALL. TURN UP ENDS Ŋ BUILDING WRAP DRESSED INTO OF HEAD FLASHING BEHIND CLADDING \$ OPENING WITH 50mm RETURN TO SEAL JAMB TO HEAD FLASHING. INSIDE OF FRAME WITH WINDOW FLASHING TAPE INSTALLED OVER 15mm min. COVER WRAP TO CORNERS 40x40 PREFINISHED STEEL ANGLE TO HEAD OF METER BOX, POSITION WATERPROOF AIRSEAL TO SUIT CLADDING, SEAL ANGLE TO HEAD. TO PERIMETER OF TRIM CAVITY MFTFR BOX

### Detail Number: RI-RMDW040A

Date drawn: 07/07/2017

Scale: 1:5@ A4

#### GENERAL NOTES:

- I. CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPARATED FROM METAL CLADDING BY DPC, BUILDING WRAP, PVC OR PAINTING.
- REFER TO E2/AS I FOR GENERAL METERBOX AND SIMILAR PENETRATIONS / OPENINGS.

- These details are generally in compliance with E2/AS I and/or the NZ Metal Roof \$ Wall Cladding Code of Practice and in some cases specific details by 'Roofing Industries'.
- The building designer is ultimatley responsible to ensure that details used meet the requirements of the NZ Building Code for the specific project.
- Details of the supporting structure including cavity battens are indicative only and are the responsibility of the building designer. For steel framed buildings thermal break cavity battens may be required.
- Underlay selection and building wrap types are the responsibility of the designer. When rigid wall underlay is
  required it is the designers responsibility to ensure the correct type is used and follow the manufacturers
  recommendation for installation.
- These details are for Roofing Industries profile/s as nominated and may not be applicable to other profiles.
- This drawing is the copyright of 'Roofing Industries' and can only be copied or reproduced with their permission.
- Further information can be obtained from the NZ Metal Roof \$ Wall Cladding Code of Practice: www.metalroofing.org.nz OR NZBC clause E2/AS I.





# RESIDENTIAL MULTIDEK WALL CLADDING METER BOX SIDE FLASHING FOR HORIZONTAL CLADDING

BUILDING WRAP DRESSED INTO WATERPROOF AIRSEAL TO OPENING WITH 50mm RETURN PERIMETER OF TRIM CAVITY TO INSIDE OF FRAME WITH WINDOW FLASHING TAPE INSTALLED OVER WRAP MULTIDEK CLIP SCREW FIXED ROOFING INDUSTRIES BACK TRAY\* FLASHING RUN FROM TOP OF HEAD FLASHING TO GROUND OR FXIT POINT SEPARATION OF BATTEN AND METAL CLADDING ROOFING INDUSTRIES 'MULTIDEK' PROFILED CLOSED CELL FOAM 60 min MFTFR BOX SFT IN SFALANT SEAL AND RIVET 40x60 PRFFINISHED STFFI ANGLE

### NOTES:

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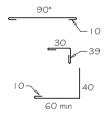
Detail Number: RI-RMDW041A

Date drawn: 07/07/2017

Scale: 1:5@ A4

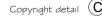
### **GENERAL NOTES:**

- I. CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPARATED FROM METAL CLADDING BY DPC, BUILDING WRAP, PVC OR PAINTING.
- REFER TO E2/AS I FOR GENERAL METERBOX AND SIMILAR PENETRATIONS / OPENINGS.



\* Back tray size may require to increase to ensure coverage at ends of head flashing.

(Dimensions are indicative only)
Turn down end of head flashing

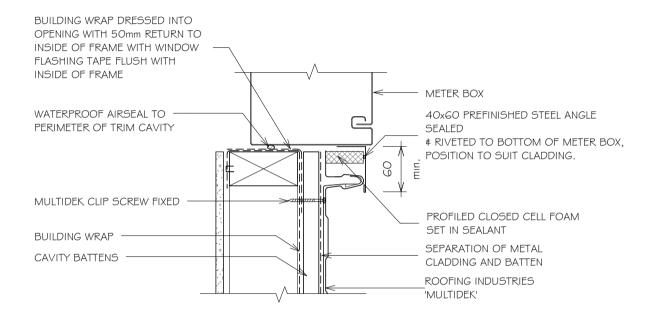








# RESIDENTIAL MULTIDEK WALL CLADDING METER BOX BASE FLASHING FOR HORIZONTAL CLADDING



NOTES:

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- Details of the supporting structure including cavity batters are indicative only and are the responsibility of the building designer. For steel framed buildings thermal break cavity batters may be required.
- Underlay selection and building wrap types are the responsibility of the designer. When rigid wall underlay is
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Detail Number: RI-RMDW042A

Date drawn: 07/07/2017

Scale: 1:5@ A4

### GENERAL NOTES:

- I. CAVITY BATTENS CONTAINING CORROSIVE MATERIAL MUST BE SEPARATED FROM METAL CLADDING BY DPC, BUILDING WRAP, PVC OR PAINTING.
- 2. REFER TO E2/AS I FOR GENERAL METERBOX AND SIMILAR PENETRATIONS / OPENINGS.

