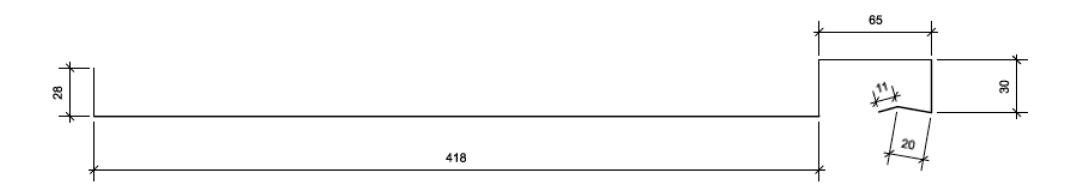
QBT450 TM DETAIL DRAWINGS

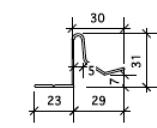


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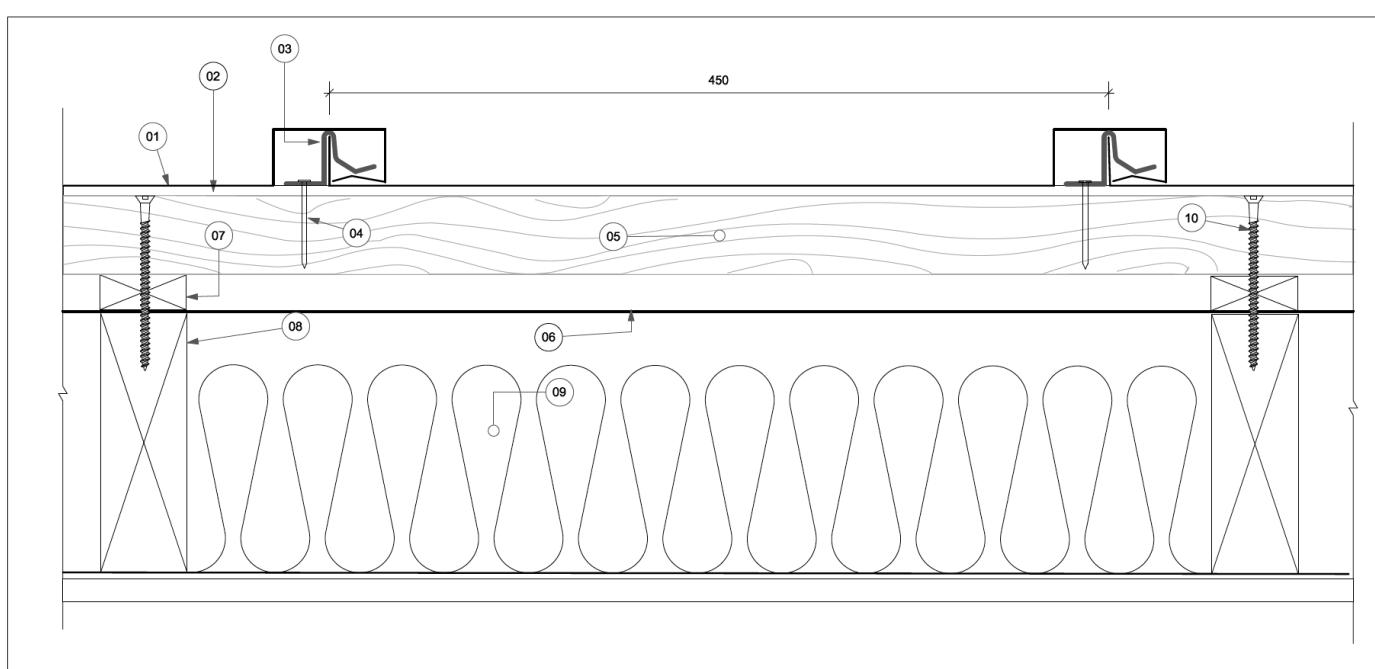


PROPRIETARY CONTINUOUS EXTRUDED ALUMINIUM RETAINER

NOTE: FOR MATERIAL SELECTION AND THICKNESS, PLEASE REFER TO QBT 450 SPECIFICATION TABLE 1

| Si | QBT 450° |
|------------|-----------------|
| steel&tube | ROOFING SYSTEM |

| qbt450.nz | QUICK BATTEN TRAY SYSTEM - QBT 450™ | Date: 05.0 |)2.2021 |
|-----------|---|------------|---------|
| | PROFILE SECTION | Scale: 1:2 | on A3 |
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- (01) QBT 450[™] ROOF TRAY
- 02 AIR-Z 3D WOVEN MESH OR 60X3 MM SELF ADHESIVE FOAM TAPE
- QBT 450[™] CONTINUOUS ALUMINIUM EXTRUSION
- 04

 10 G X 50MM LONG GRADE 304 STAINLESS TIMBER
 SCREWS (TWO PER CONNECTION), OR 2.8 X 50MM FLATHEAD
 POWER DRIVEN NAILS (TWO PER CONNECTION), OR BY WURTH
 ASSY PLUS 3.5MM X60MM STAINLESS STEEL SCREWS
 (TWO PER CONNECTION)

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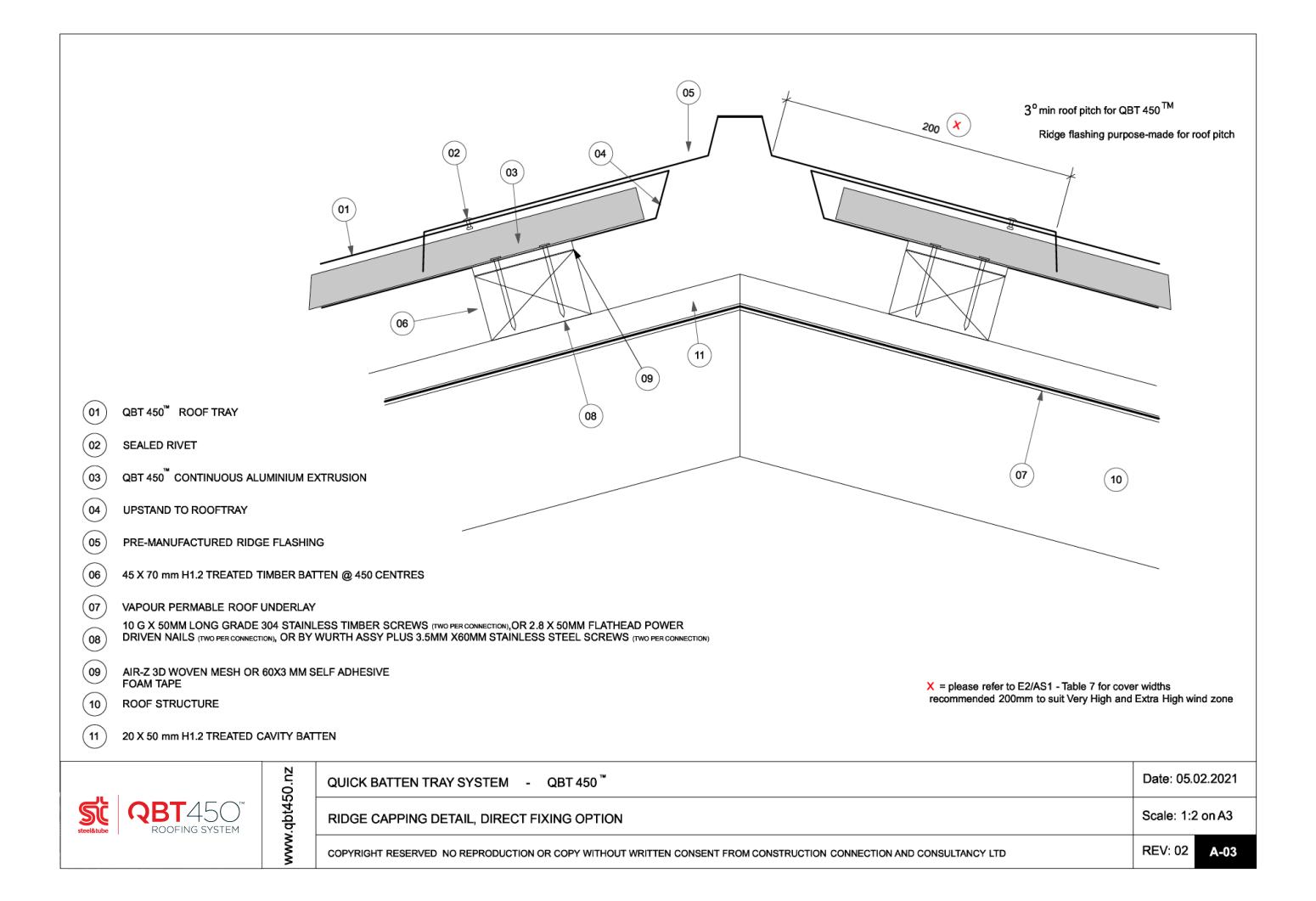
- 05 45 X 70 mm H1.2 TREATED TIMBER BATTEN @ 450 CENTRES
- (06) VAPOUR PERMABLE ROOF UNDERLAY
- 07 20 X 50 mm H1.2 TREATED CAVITY BATTEN
- 08 ROOF STRUCTURE*

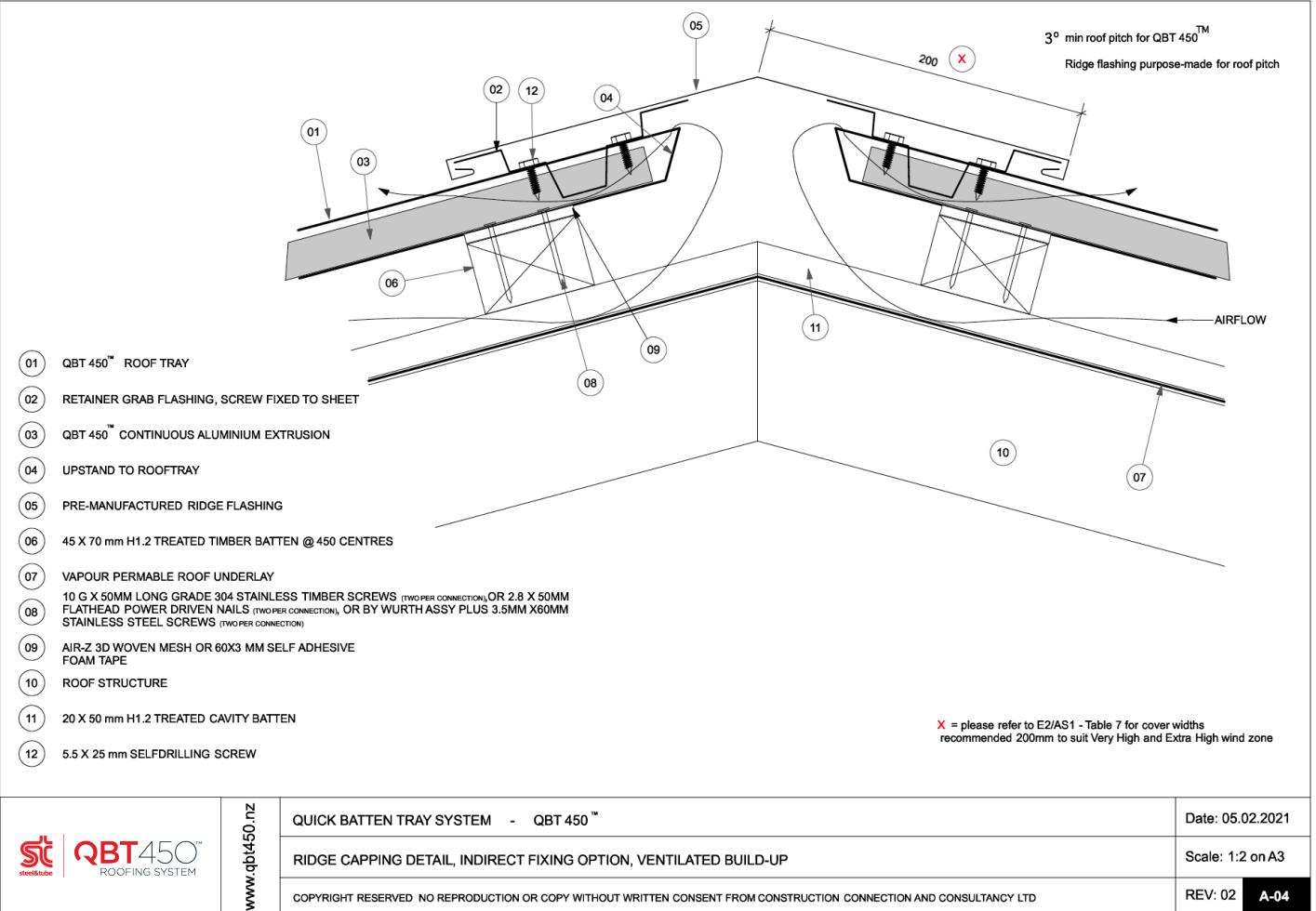
- (09) INSULATION *
- 10 10-GAUGE by 100mm purlin and batten screw
 REFER TO SECTION 10, TABLE 10.12 NZS 3604:2011

*
PLEASE CHECK WITH STRUCTURAL ENGINEER FOR LOCAL REQUIREMENTS



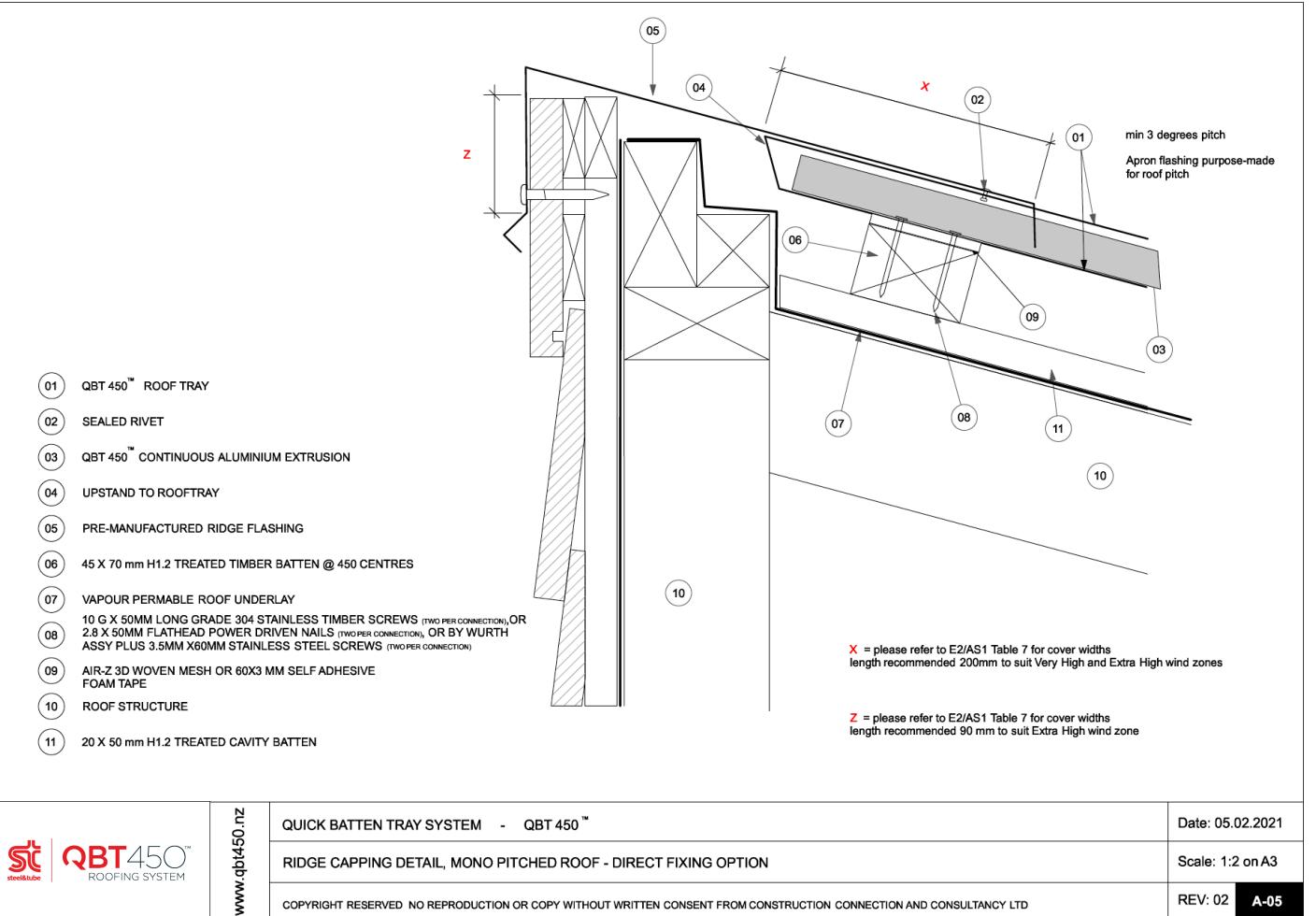
| QUICK BATTEN TRAY SYSTEM - QBT 450 ™ | Date: 05.02.2021 |
|---|------------------|
| TYPICAL DETAIL FOR ROOF BUILD-UP | Scale: 1:2 on A3 |
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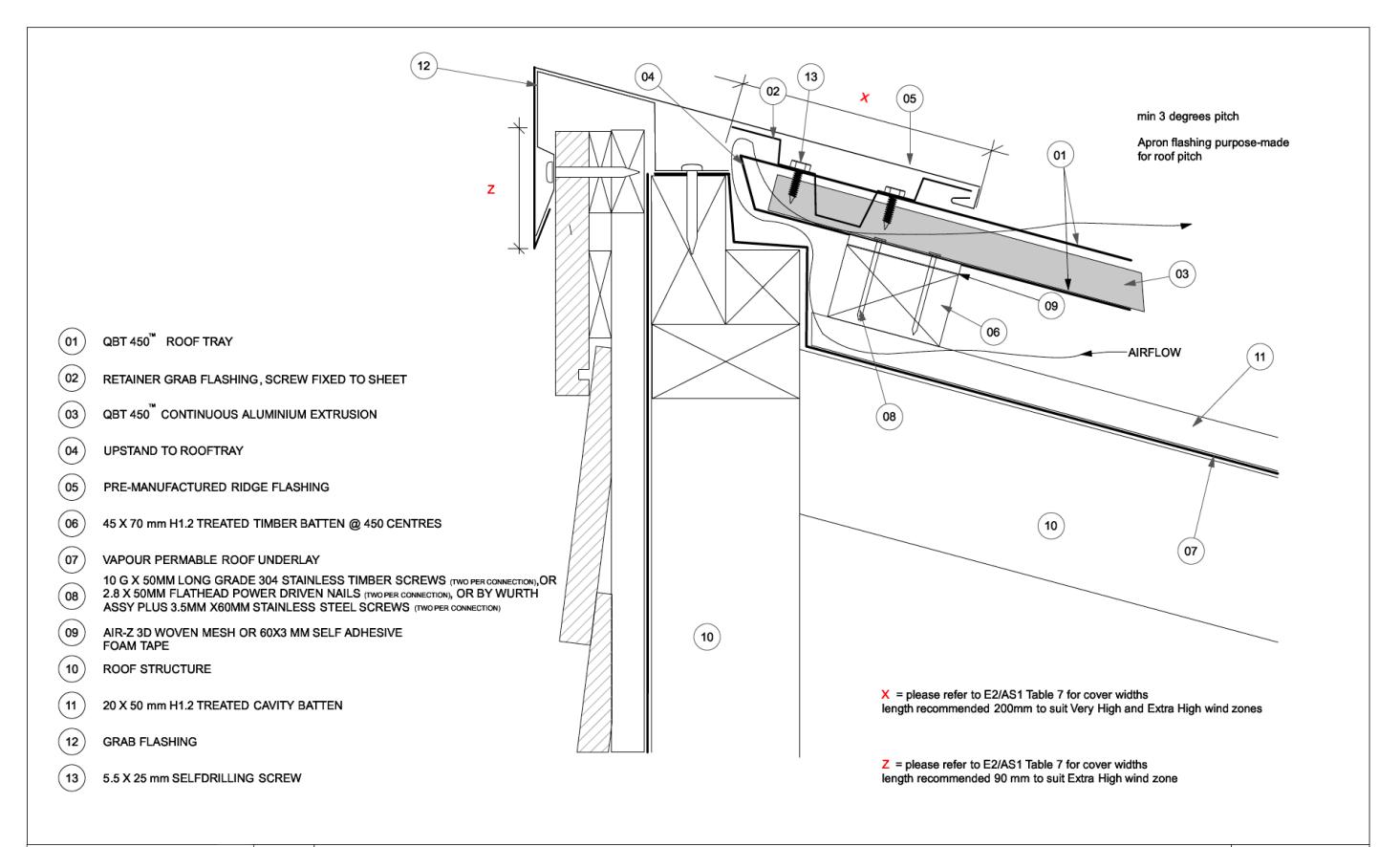


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|------------|---|------------------|
| | RIDGE CAPPING DETAIL, INDIRECT FIXING OPTION, VENTILATED BUILD-UP | Scale: 1:2 on A3 |
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| Si | QBT | 450 |
|------------|-------|-----------|
| steel&tube | ROOFI | NG SYSTEM |

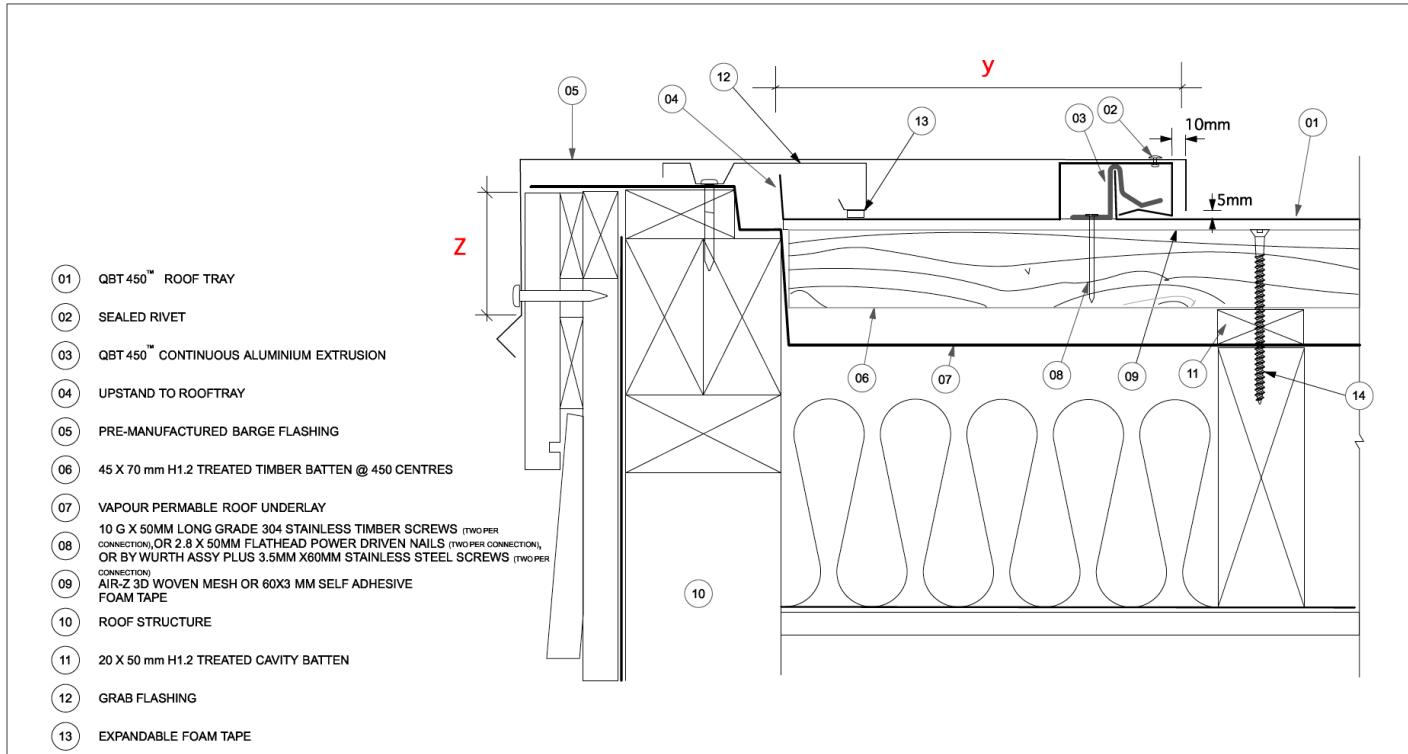
| ou.nz | QUICK BATTEN TRAY SYSTEM - QBT 450 [™] | Date: 05.02.2021 |
|----------|---|------------------|
| .qp145 | RIDGE CAPPING DETAIL, MONO PITCHED ROOF - DIRECT FIXING OPTION | Scale: 1:2 on A3 |
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|------------|------|---------------------------|
| steel&tube | ROOF | FING SYSTEM |

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|---|---|---------------|------|
| • | RIDGE CAPPING DETAIL, MONO PITCHED ROOF VENTED - INDIRECT FIXING OPTION | Scale: 1:2 on | A3 |
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Y = please refer to E2/AS1 Table 7 for cover widths length recommended 200mm to suit Very High and Extra High wind zones

Z = please refer to E2/AS1 Table 7 for cover widths length recommended 90 mm to suit Extra High wind zone

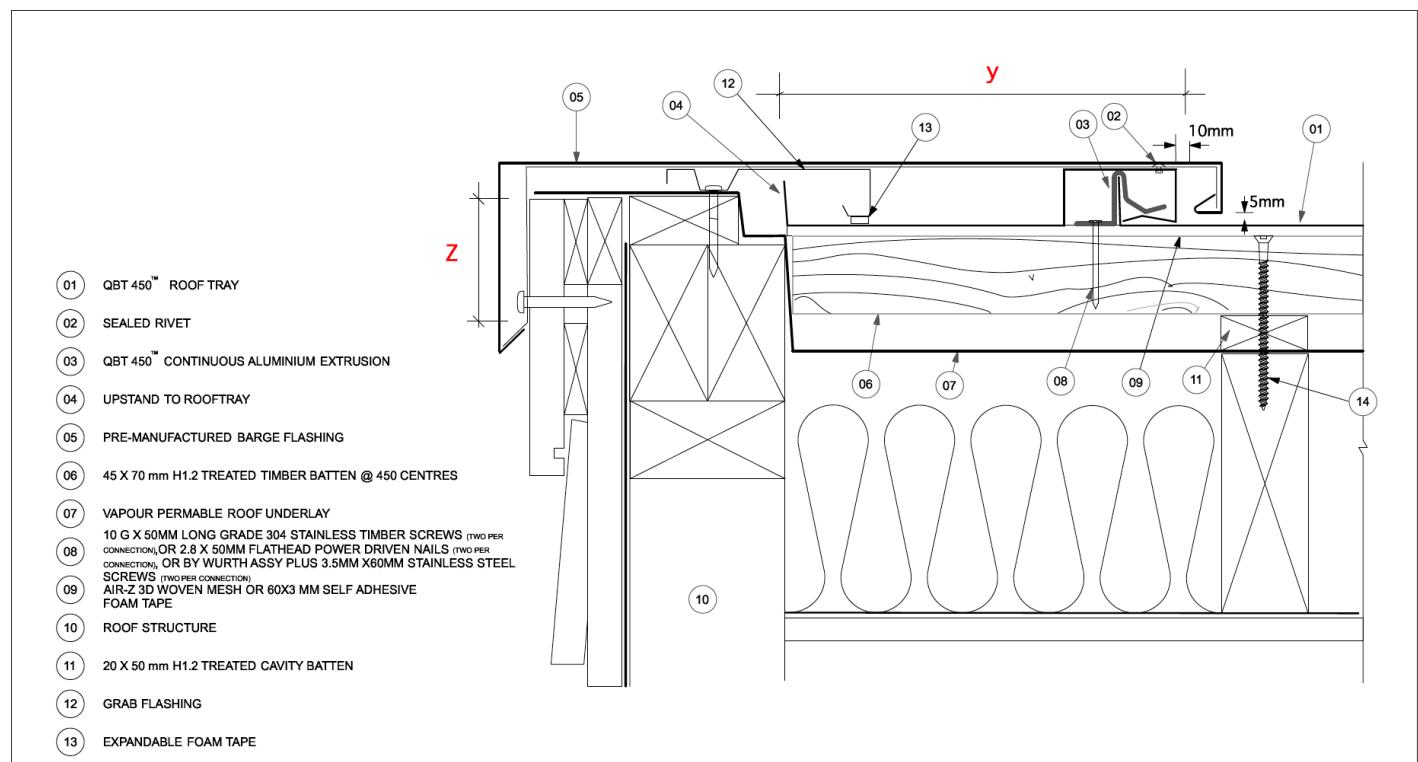


10-GAUGE by 100mm PURLIN AND BATTEN SCREW

REFER TO SECTION 10, TABLE 10.12 NZS 3604:2011

(14)

| 50.nz | QUICK BATTEN TRAY SYSTEM - QBT 450 ™ | Date: 05.02.2021 |
|--------|---|------------------|
| .qbt45 | BARGE DETAIL, DIRECT FIXED OPTION | Scale: 1:2 on A3 |
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10-GAUGE by 100mm PURLIN AND BATTEN SCREW

www.qbt450.nz

REFER TO SECTION 10, TABLE 10.12 NZS 3604:2011

y = please refer to E2/AS1 Table 7 for cover widths length recommended 200mm to suit Very High and Extra High wind zones

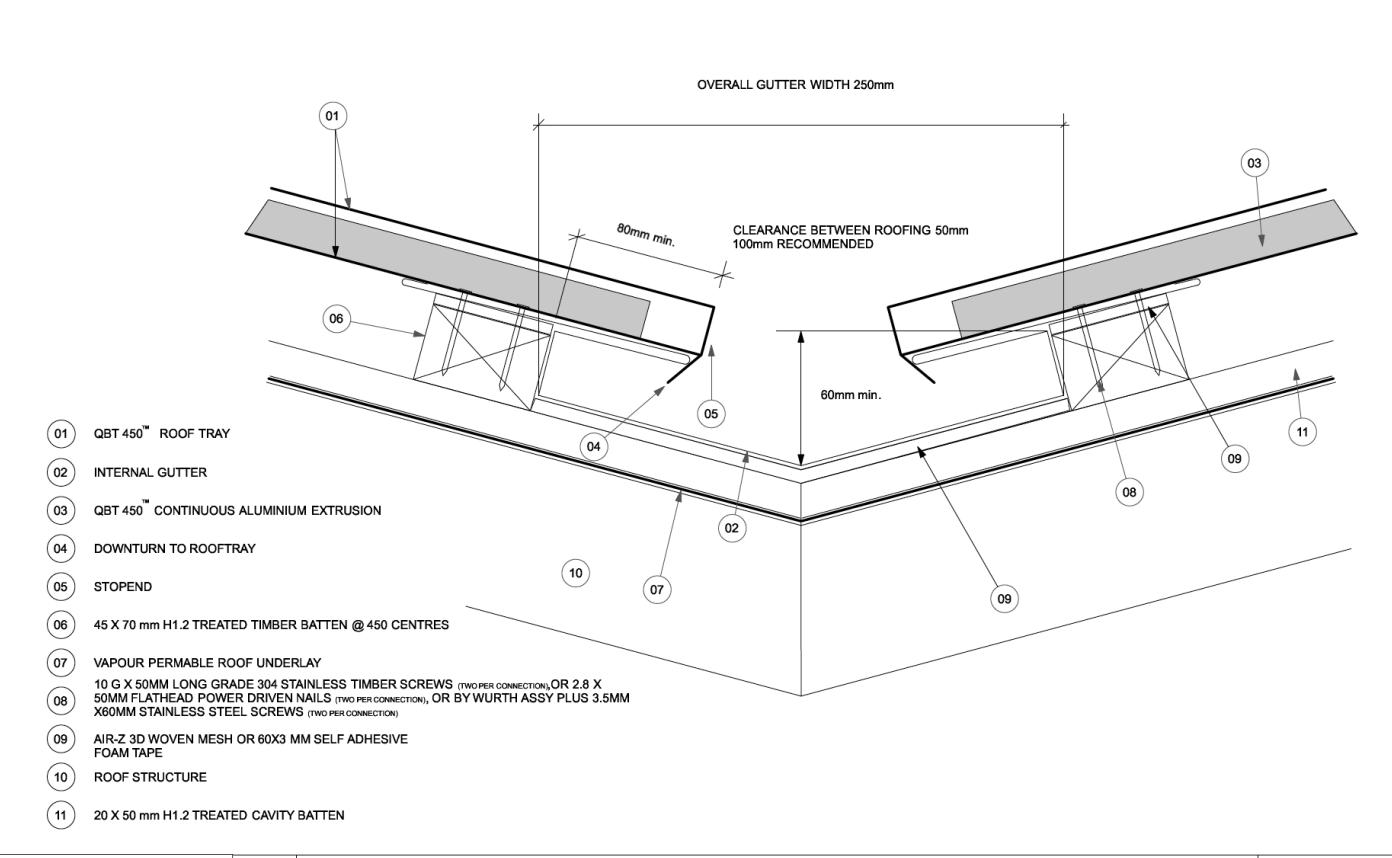
REV: 02

Z = please refer to E2/AS1 Table 7 for cover widths length recommended 90 mm to suit Extra High wind zone



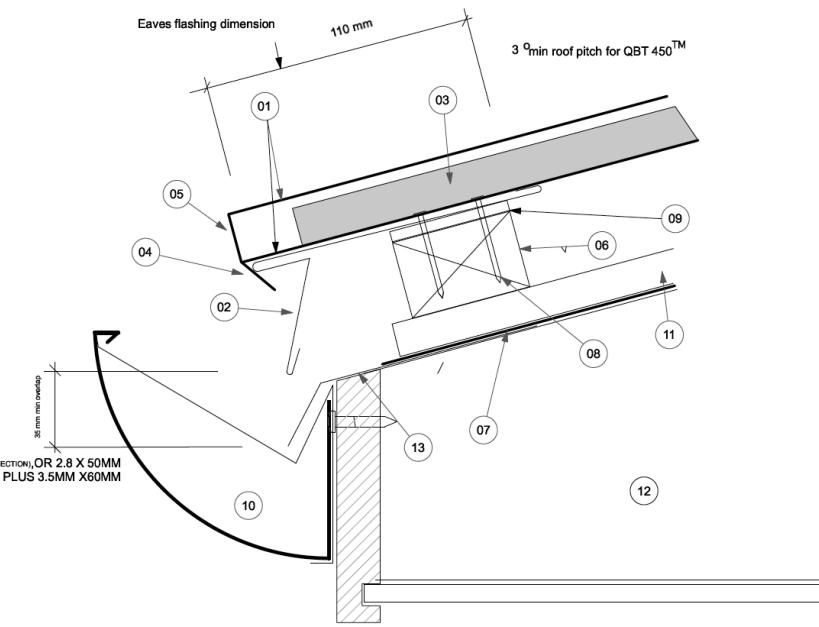
(14)

| QUICK BATTEN TRAY SYSTEM - QBT 450 ™ | Date: 05.02.2021 |
|--------------------------------------|------------------|
| BARGE DETAIL, INDIRECT FIXED OPTION | Scale: 1:2 on A3 |
| | |



| Si | QBT 450° |
|------------|-----------------|
| steel&tube | ROOFING SYSTEM |

| 50.nz | QUICK BATTEN TRAY SYSTEM - QBT 450 ™ | Date: 05.02.2021 |
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| www.qbt45 | INTERNAL VALLEY GUTTER DETAIL | Scale: 1:2 on A3 |
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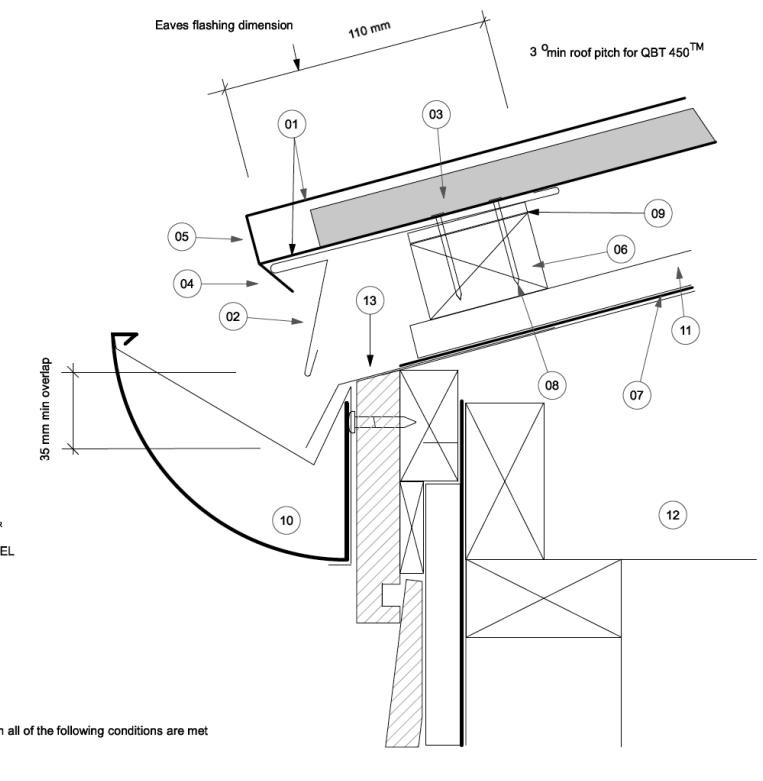


- QBT 450[™] ROOF TRAY (01)
- (02) PRE-MANUFACTURED UNDER FLASHING
- QBT 450 CONTINUOUS ALUMINIUM EXTRUSION (03)
- (04) DOWNTURN TO ROOFTRAY
- (05) END CAP
- 45 X 70 mm H1.2 TREATED TIMBER BATTEN @ 450 CENTRES
- (07) VAPOUR PERMABLE ROOF UNDERLAY
- 10 G X 50MM LONG GRADE 304 STAINLESS TIMBER SCREWS (TWO PER CONNECTION), OR 2.8 X 50MM (08) FLATHEAD POWER DRIVEN NAILS (TWO PER CONNECTION), OR BY WURTH ASSY PLUS 3.5MM X60MM STAINLESS STEEL SCREWS (TWO PER CONNECTION)
- (09) AIR-Z 3D WOVEN MESH OR 60X3 MM SELF ADHESIVE FOAM TAPE
- (10) PRE-MANUFACTURED QUARTER-ROUND GUTTER
- (11 20 X 50 mm H1.2 TREATED CAVITY BATTEN
- (12) ROOF STRUCTURE
- Note: Eaves flashing in acordance with E2/AS1 Figure 45A, required when all of the following conditions are met
 - Roof slope is less than 10 degrees
 - Soffit width is less than or equal to 100mm, and
 - Wind Zones are Very High or Extra High

In cases the eaves flashing is not required, the building paper (07) would need to extend into the gutter.



| www.qbt450.nz | QUICK BATTEN TRAY SYSTEM - QBT 450 ™ | Date: 05.02.2021 |
|---------------|---|------------------|
| | EAVE TERMINATION DETAIL WITH QUARTER ROUND GUTTER ROOF - SOFFIT JUNCTION | Scale: 1:2 on A3 |
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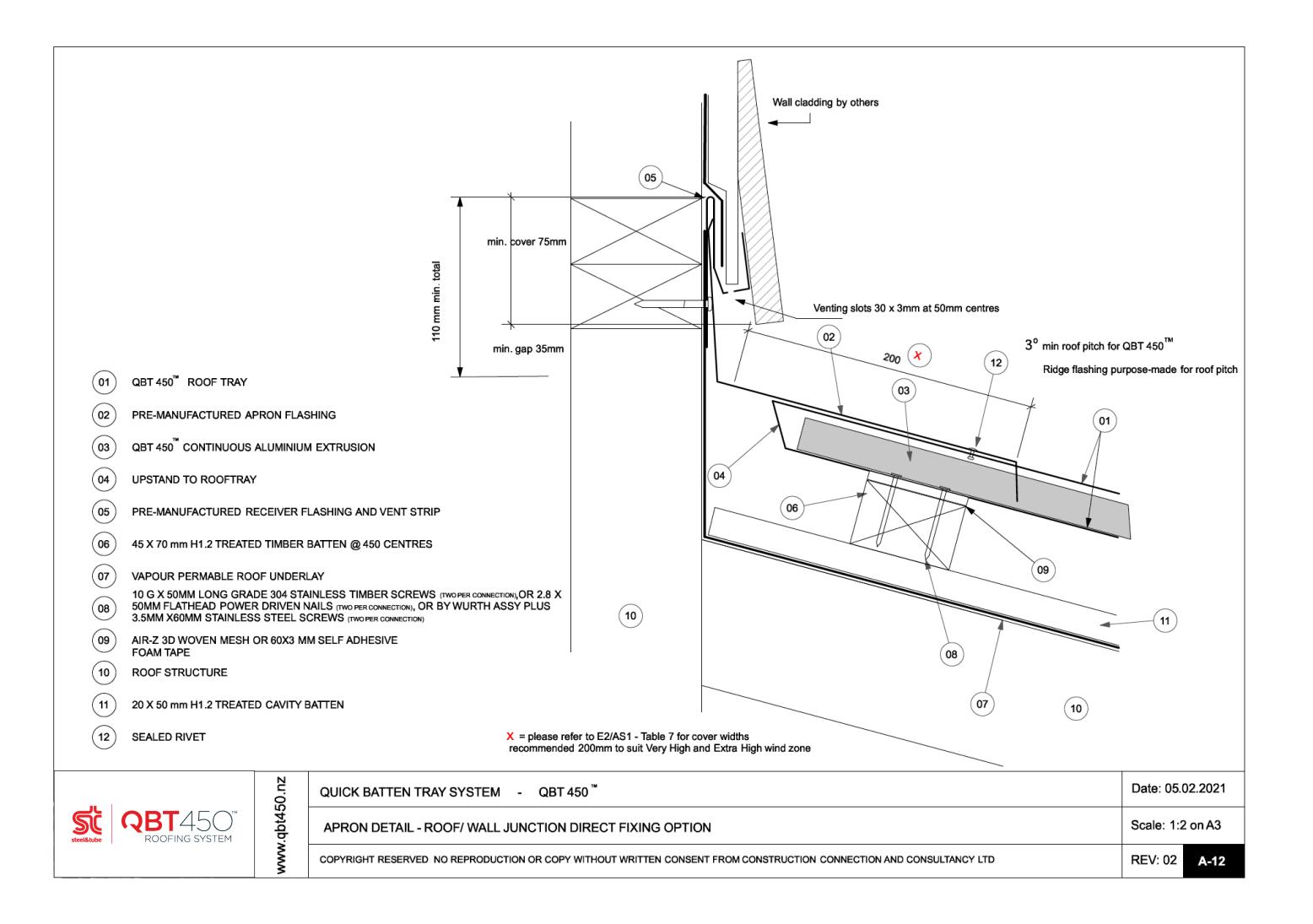


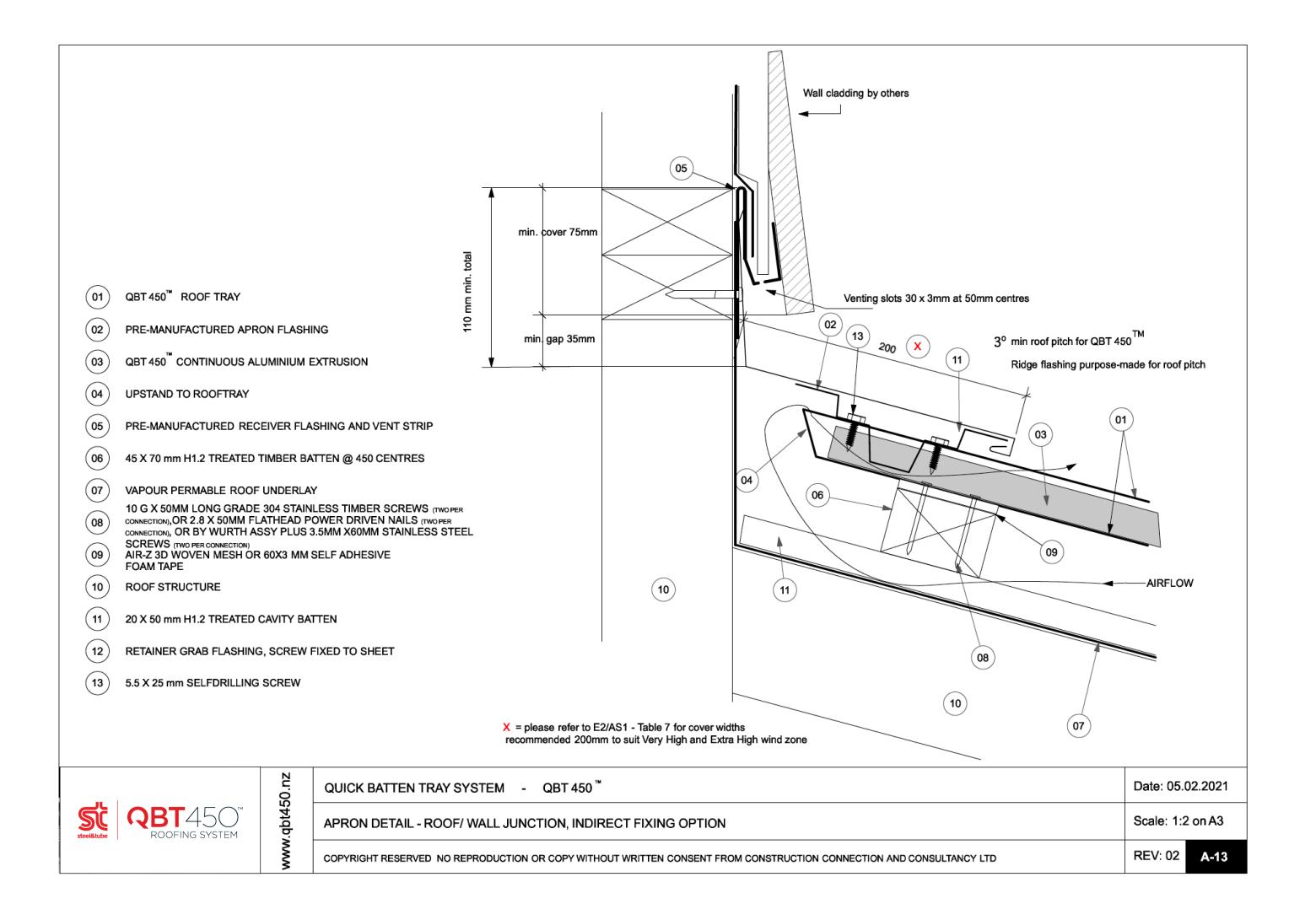
- 01 QBT 450™ ROOF TRAY
- (02) PRE-MANUFACTURED UNDER FLASHING
- (03) QBT 450[™] CONTINUOUS ALUMINIUM EXTRUSION
- (04) DOWNTURN TO ROOFTRAY
- (05) END CAP
- (06) 45 X 70 mm H1.2 TREATED TIMBER BATTEN @ 450 CENTRES
- (07) VAPOUR PERMABLE ROOF UNDERLAY
- 10 G X 50MM LONG GRADE 304 STAINLESS TIMBER SCREWS (TWO PER CONNECTION), OR 2.8 X 50MM FLATHEAD POWER DRIVEN NAILS (TWO PER CONNECTION), OR BY WURTH ASSY PLUS 3.5MM X60MM STAINLESS STEEL SCREWS (TWO PER CONNECTION)
- 09 AIR-Z 3D WOVEN MESH OR 60X3 MM SELF ADHESIVE FOAM TAPE
- (10) PRE-MANUFACTURED QUARTER-ROUND GUTTER
- (11) 20 X 50 mm H1.2 TREATED CAVITY BATTEN
- (12) ROOF STRUCTURE
- Note: Eaves flashing in acordance with E2/AS1 Figure 45A, required when all of the following conditions are met
 - Roof slope is less than 10 degrees
 - Soffit width is less than or equal to 100mm, and
 - Wind Zones are Very High or Extra High

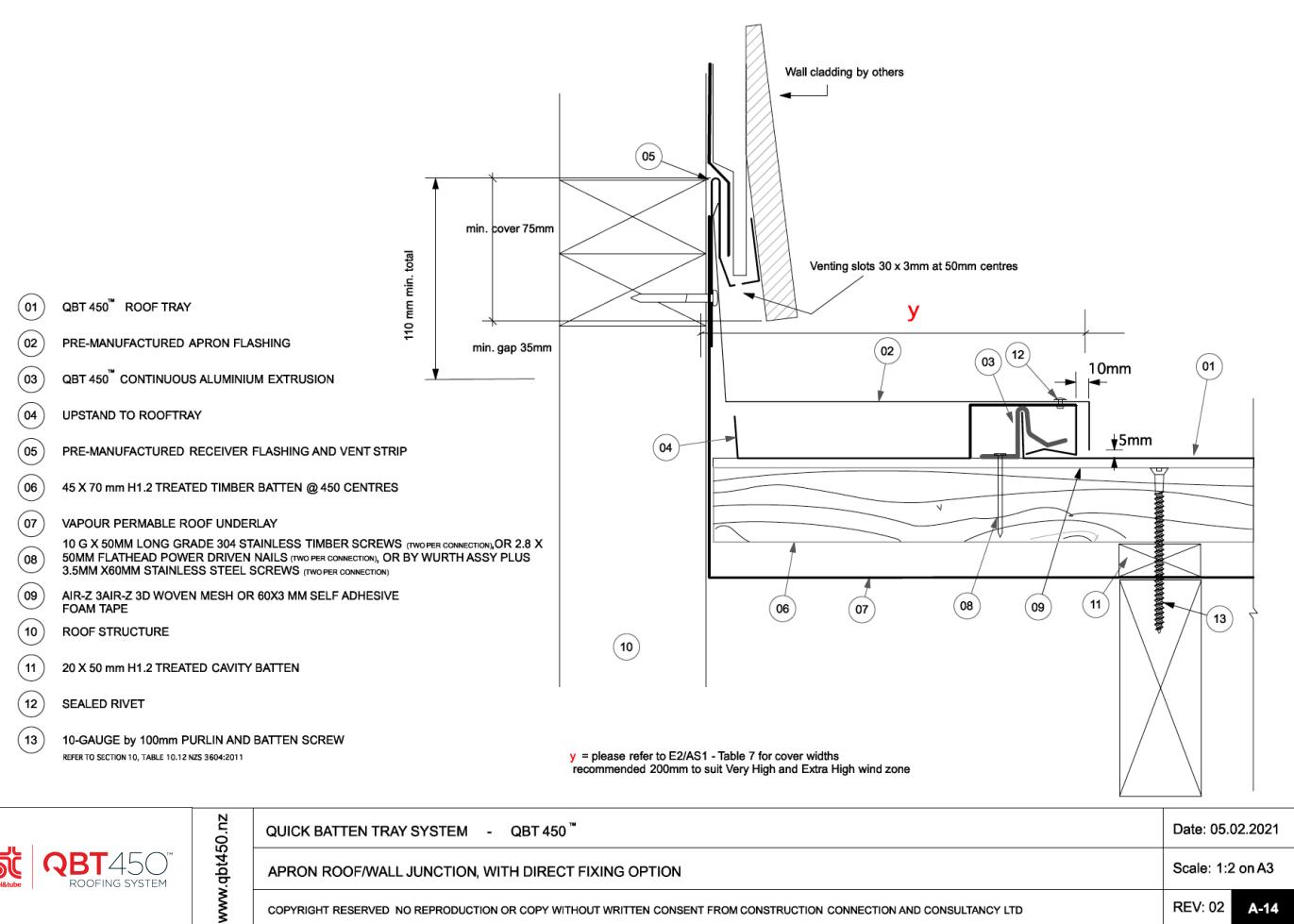
In cases the eaves flashing is not required, the building paper (07) would need to extend into the gutter.



| www.qbt450.nz | QUICK BATTEN TRAY SYSTEM - QBT 450 ™ | Date: 05.02.2021 |
|---------------|---|------------------|
| | EAVE TERMINATION DETAIL WITH QUARTER ROUND GUTTER ROOF - WALL JUNCTION | Scale: 1:2 on A3 |
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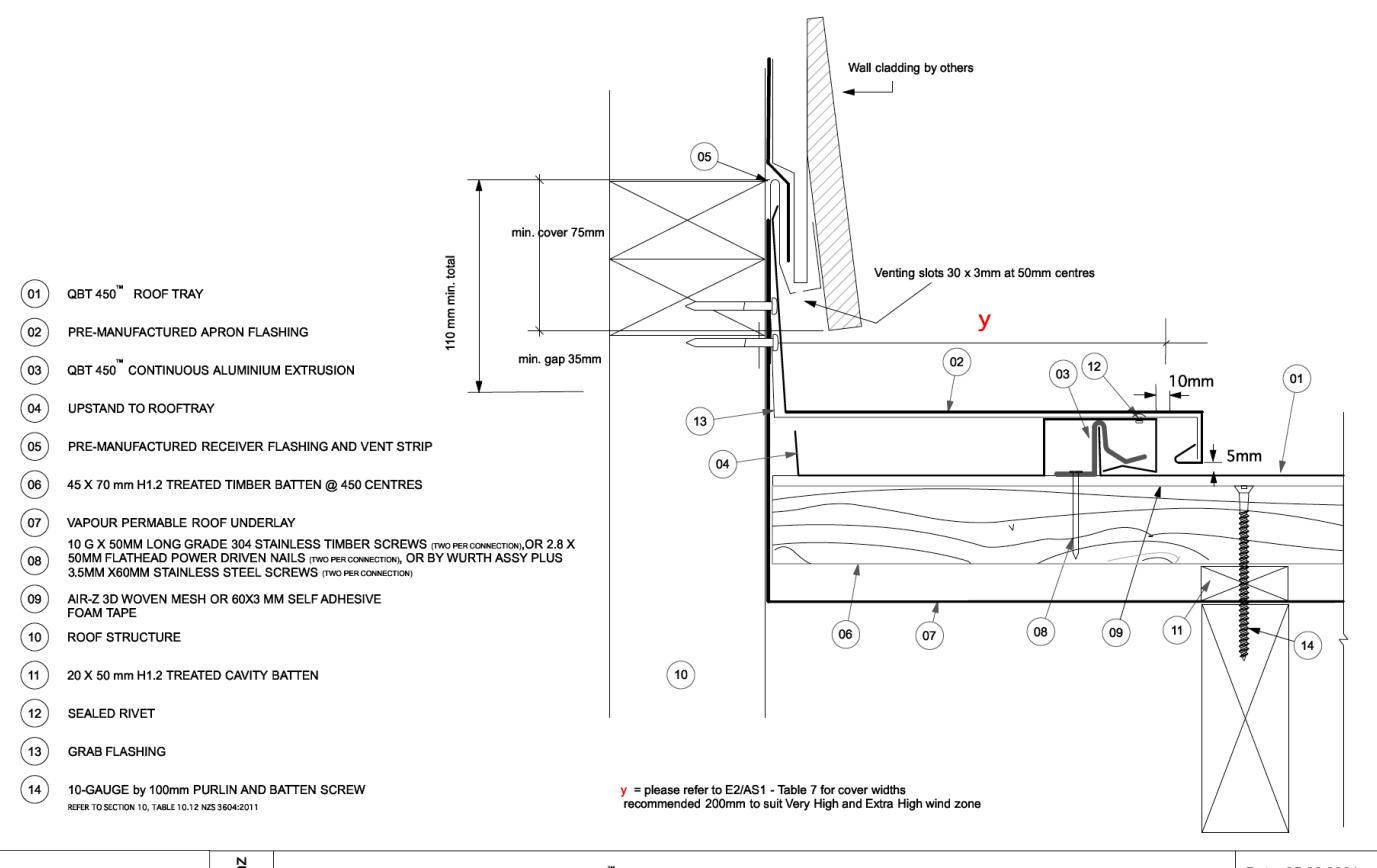






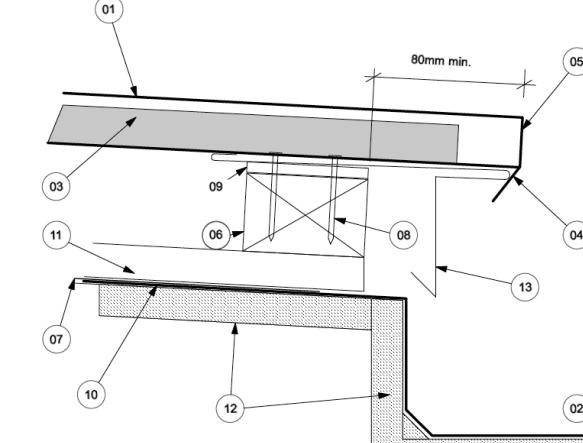
| ST | QBT | 7 450 [™] |
|------------|------|---------------------------|
| steel&tube | ROOF | FING SYSTEM |

| .qb(450.112 | QUICK BATTEN TRAY SYSTEM - QBT 450 ™ | | Date: 05.02.2021 | |
|-------------|---|------------------|------------------|--|
| | APRON ROOF/WALL JUNCTION, WITH DIRECT FIXING OPTION | Scale: 1:2 on A3 | | |
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| .qbt4{ | APRON ROOF/WALL JUNCTION, WITH INDIRECT FIXING OPTION | Scale: 1:2 on A3 | |
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(01) QBT 450[™] ROOF TRAY

(02) INTERNAL GUTTER

03 QBT 450™ CONTINUOUS ALUMINIUM EXTRUSION

04 DOWNTURN TO ROOFTRAY

(05) STOPEND

(06) 45 X 70 mm H1.2 TREATED TIMBER BATTEN @ 450 CENTRES

(07) VAPOUR PERMABLE ROOF UNDERLAY

110 G X 50MM LONG GRADE 304 STAINLESS TIMBER SCREWS (TWO PER CONNECTION), OR 2.8 X 50MM FLATHEAD POWER DRIVEN NAILS (TWO PER CONNECTION), OR BY WURTH ASSY PLUS 3.5MM X60MM STAINLESS STEEL SCREWS (TWO PER

09 CONNECTION)
AIR-Z 3D WOVEN MESH OR 60X3 MM SELF ADHESIVE FOAM TAPE

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10 MEMBRANE TO INTERNAL GUTTER

11 20 X 50 mm H1.2 TREATED CAVITY BATTEN

(12) 18 mm PLYWOOD

(13) STARTER FLASHING

NOTE: gutter details must be in accordance with NZBC E2/AS1, Figure 52



| QUICK BATTEN TRAY SYSTEM - QBT 450 ™ | Date: 05.02.2021 |
|---|------------------|
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