

PV Solar Laminate Details

ROOFING

*ESPAN 470 ONLY

DETAIL LIST

		<u>Revision</u>	<u>Date</u>
01 / 03	ROOF RIDGE DETAIL	1.0	Sep 2020
02 / 03	MID-ROOF WIRE MANAGEMENT TRAY	1.0	Sep 2020
03 / 03	HEAD BARGE DETAIL	1.0	Sep 2020

PRE-FINISHED RIDGE CAP FLASHING

FOLDED 80mm CABLE TRAY

35mm SHEET TURN UP

METALCRAFT ESPAN™ ROOFING

PERMEABLE UNDERLAY, SHOWN DASHED

* ESPAN™ 470
MIN. ROOF PITCH = 3°



PV CABLE IN 25mm FLEXIBLE CONDUIT OR SLIT FLEXI SHEET OVER TURN UP

PRE FINISHED RIVET BEDDED IN SILICONE OR PRE FINISHED 8g WAFER-TEK SCREW

CONCEALED FLASHING FIXED TO ROOFING AND NOTCHED OVER JUNCTION BOX

SOLAR CELL DO NOT SHADE WITH FLASHINGS

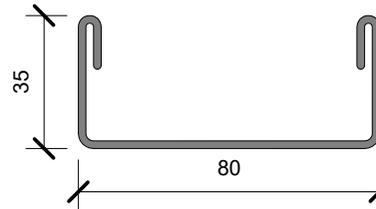
JUNCTION BOX

TWO PART GRAB FLASHING:

METALCRAFT ESPAN™ CLIP SYSTEM WITH 10 - 12G FIXING SCREWS

NOTES:

- RIDGE TO BE IN LINE WITH END OF JUNCTION BOX
- MUST NOT SHADE SOLAR CELL
- CONCEALED FLASHING TO BE NOTCHED OVER JUNCTION BOX AS CLOSELY AS POSSIBLE
- APPROX. 140-145MM FROM APEX OF RIDGE TO BACK OF SOLAR LAMINATE FOR SET OUT PURPOSES
- TURN UP CAN BE NOTCHED AND FOLDED IF REQUIRED
- MIN. FLASHING COVERS. AS PER MRM COP



ROOF RIDGE DETAIL

SHOP FABRICATED WIRE
MANAGEMENT CABLE TRAY WITH
DRAIN HOLES @ 600 CRS

METALCRAFT ESPAN SOLAR CLAMPS,
EVERY OTHER SEAM

METALCRAFT ESPAN ROOFING

PVL MODULE

METALCRAFT ESPAN™
CLIP SYSTEM WITH 10G x
50mm SCREWS

*ESPAN™ 470
MIN. ROOF PITCH = 3°

15.00°

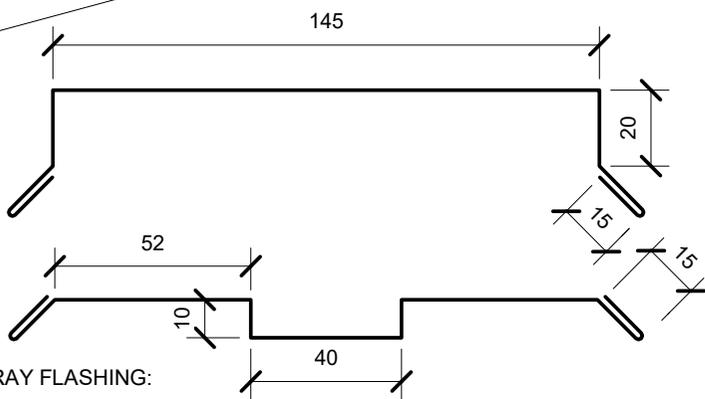
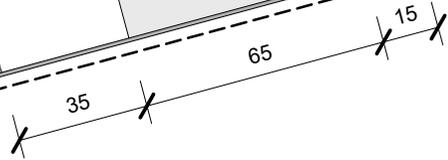
SOLAR CELL

PERMEABLE UNDERLAY,
SHOWN DASHED

ROOF FRAMING

JUNCTION
BOX

PV CONDUCTOR WIRE IN
25mm FLEXIBLE
CONDUIT



TWO PART CABLE TRAY FLASHING:

DISCLAIMER:
All details are to be used for indicative purposes only and the designer should consult both the MRM
code of practice version 3.0 / 2019, E2 and all other relevant building codes
Details of the supporting mechanisms are indicative only. Compliance of the supporting mechanisms is
the responsibility of the designer. Construction detail can vary for wall cladding. The underlay is detailed
as a single line for simplicity and is indicative only. Building paper type and method of installation should
comply with underlay manufacturers recommendations and NZBC regulations.

MID-ROOF WIRE MANAGEMENT TRAY



Espan 470™

Rev. 1.0

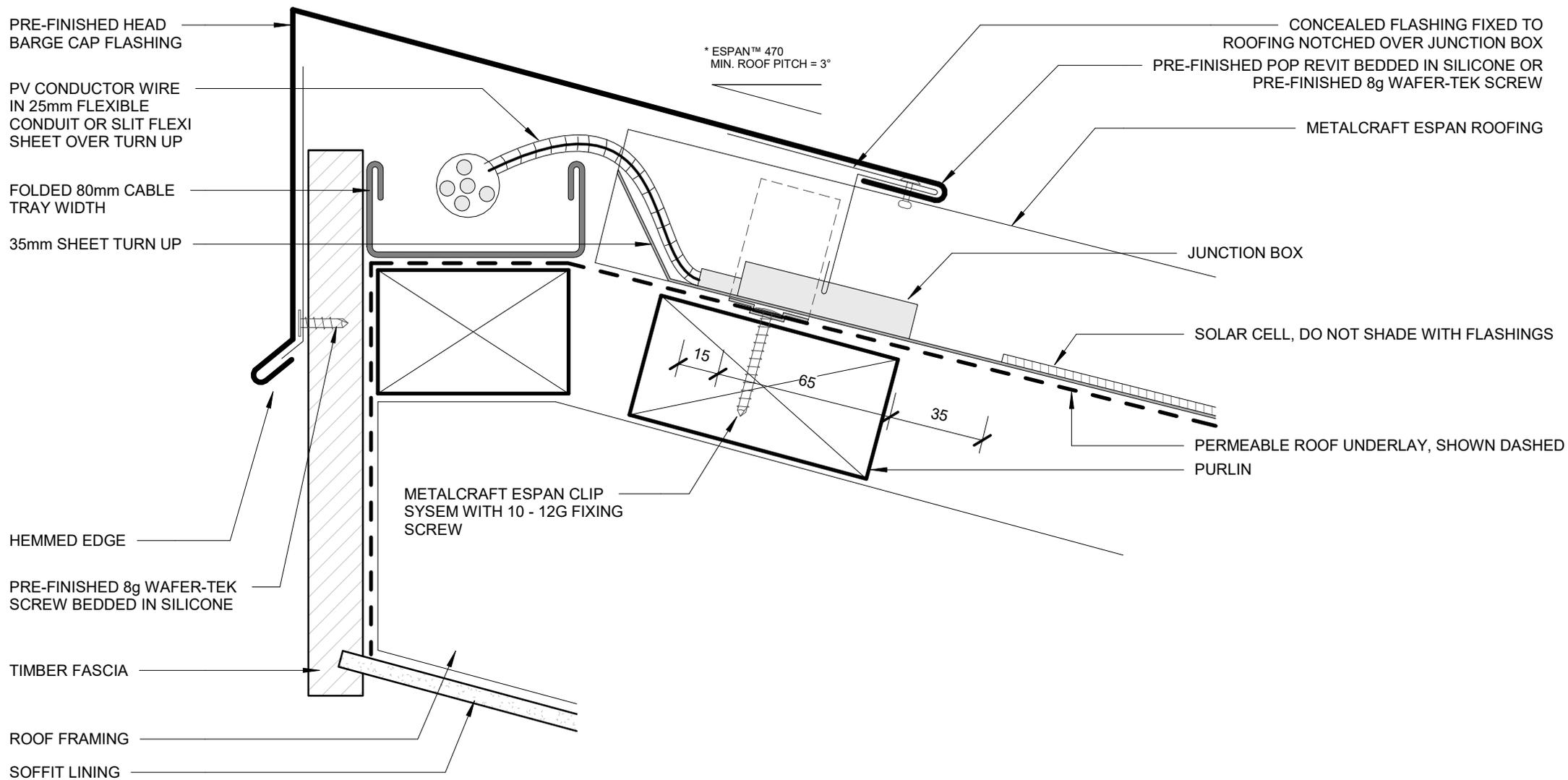
Reference RREP

Date Sep 2020

Scale 1 : 2

Sheet

02 / 03



HEAD BARGE DETAIL