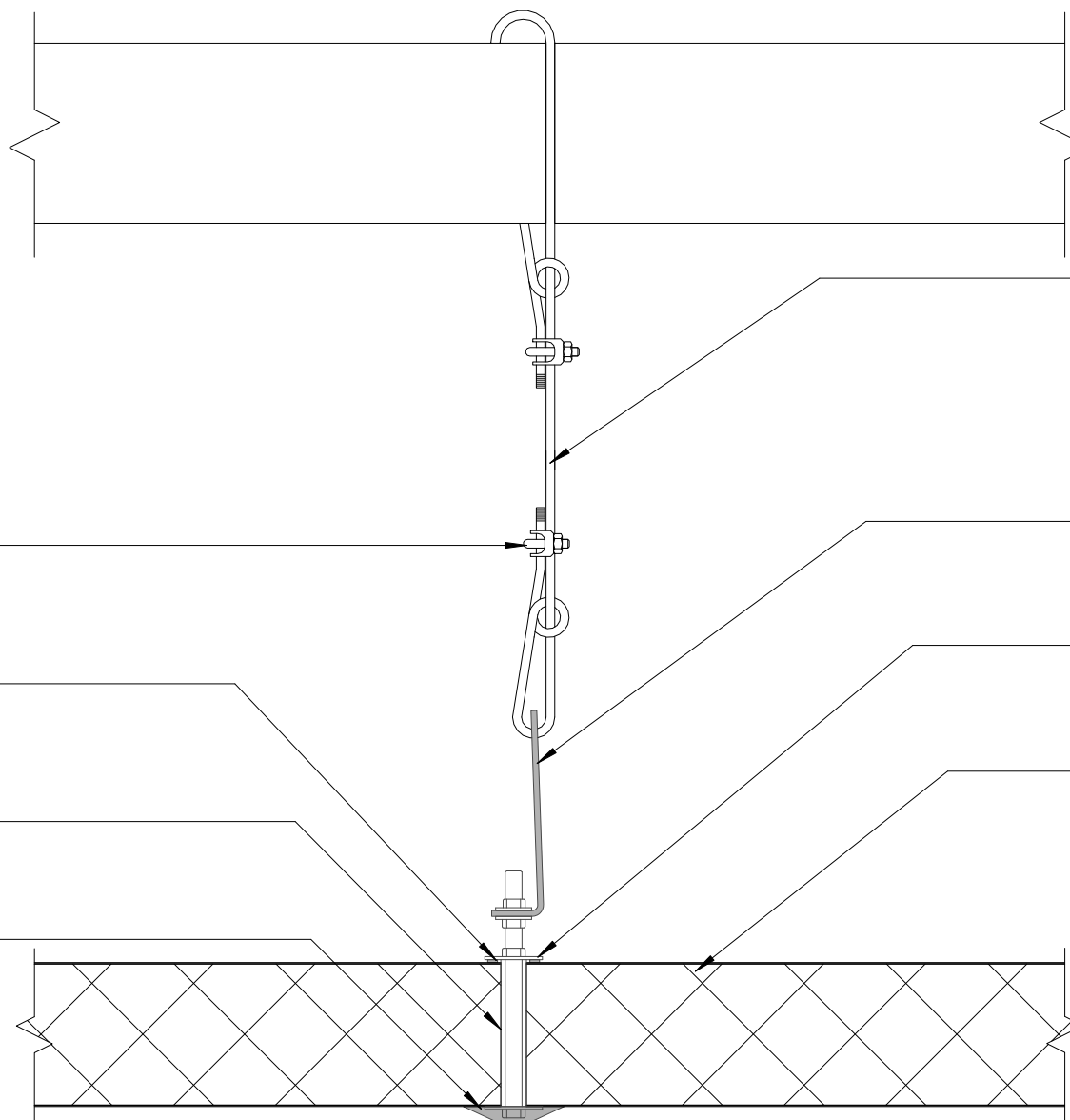


Thermopanel EPS

CONTROLLED ENVIRONMENT

DETAIL LIST

		<u>Revision</u>	<u>Date</u>
00 / 23	COVER SHEET		
01 / 23	CEILING SUSPENSION 01	1.2	22.06.2023
02 / 23	CEILING SUSPENSION 02	1.2	22.06.2023
03 / 23	FREEZER FLOOR 01	2.1	22.06.2023
04 / 23	FREEZER FLOOR 02	1.2	22.06.2023
05 / 23	FREEZER FLOOR 03	2.1	22.06.2023
06 / 23	PROCESS FLOOR 01	1.2	22.06.2023
07 / 23	PROCESS FLOOR 02	1.2	22.06.2023
08 / 23	PROCESS FLOOR 03	1.2	22.06.2023
09 / 23	PARTITION 01	2.1	22.06.2023
10 / 23	GIRT 01	2.1	22.06.2023
11 / 23	GIRT 02	2.1	22.06.2023
12 / 23	GIRT 03	1.2	22.06.2023
13 / 23	VERTICAL CORNER COOLROOM / FREEZER	1.2	22.06.2023
14 / 23	ROOF TO WALL COOLROOM / FREEZER 01	2.1	22.06.2023
15 / 23	COOLROOM / FREEZER CONNECTION 01	1.2	22.06.2023
16 / 23	FREEZER PARTITION 01	1.2	22.06.2023
17 / 23	COOLROOM / FREEZER CEILING DETAIL 01	2.1	22.06.2023
18 / 23	CEILING TO WALL DETAIL 01	1.2	22.06.2023
19 / 23	TYPICAL WALL JOINT FREEZER / COOLROOM 01	1.2	22.06.2023
20 / 23	CLEAN ROOM ROOF TO WALL	1.2	22.06.2023
21 / 23	PANEL PROFILES AND SIZES	1.2	22.06.2023
22 / 23	COOL ROOM BASE DETAIL 01	1.0	22.06.2023
23 / 23	COOL ROOM BASE DETAIL 02	1.0	22.06.2023



GRIPPLE HANG FAST WIRE GRIP OR OTHER

SEALANT (SEE GUIDANCE NOTE)

1/2" PVC SPACER TUBE

Ø76mm NYLON MUSHROOM HEAD

Ø4mm GALVANIZED WIRE ROPE

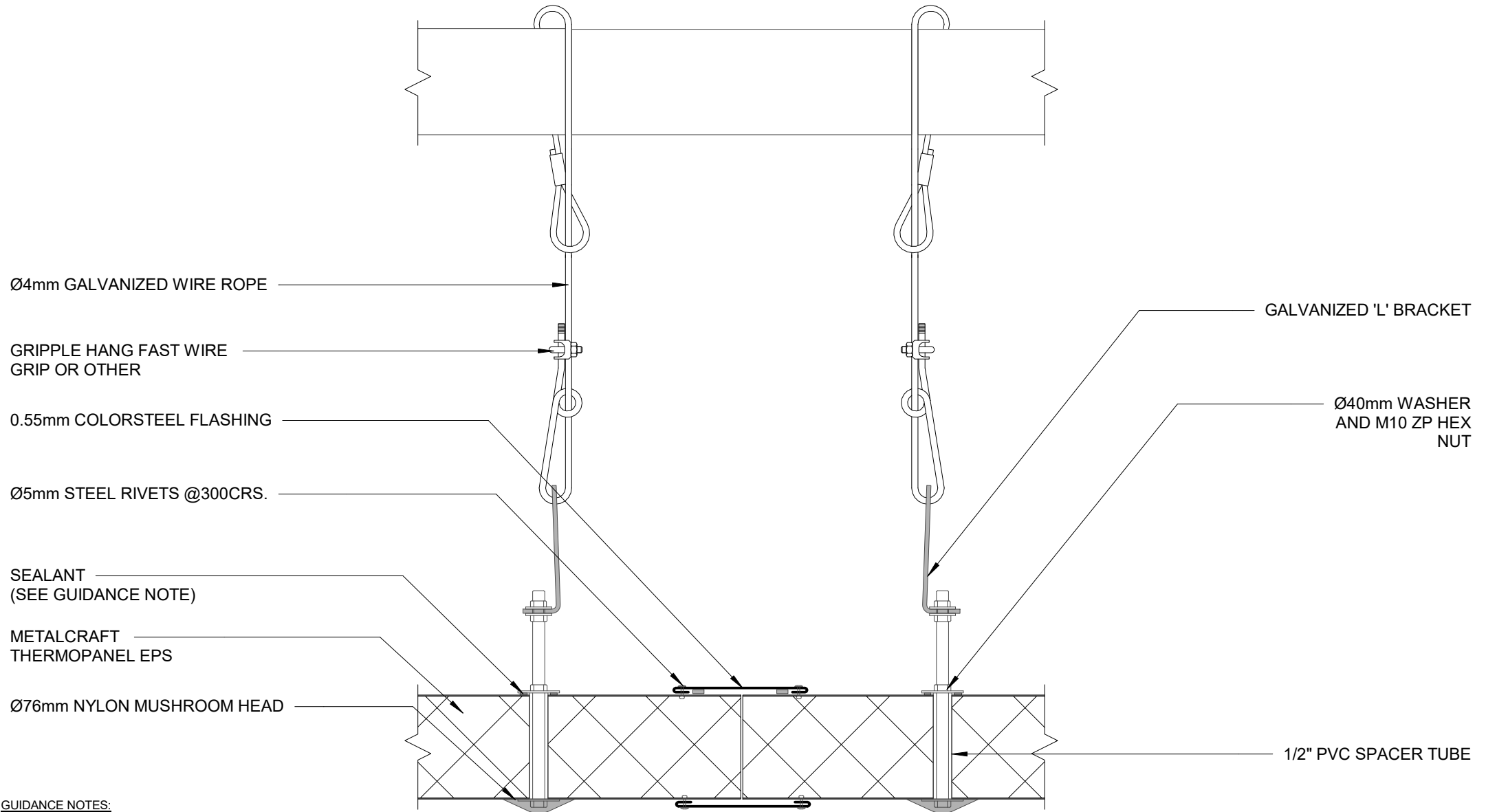
GALVANIZED 'L' BRACKET

Ø40mm WASHER AND M10 ZP HEX NUT

METALCRAFT THERMOPANEL EPS

- GUIDANCE NOTES:**
1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION OF PANELS STEEL FLASHINGS MUST BE USED
 2. FIRE RESISTANT SEALANT MUST BE USED WHEN SPECIFIC FIRE DESIGN IS REQUIRED INSTALLATIONS.

DISCLAIMER:
 All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, 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.



GUIDANCE NOTES:

1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION OF PANELS STEEL FLASHINGS MUST BE USED

2. FIRE RESISTANT SEALANT MUST BE USED WHEN SPECIFIC FIRE DESIGN IS REQUIRED INSTALLATIONS.

DISCLAIMER:
 All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, 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.

CEILING SUSPENSION 02
CONTROLLED ENVIRONMENT

Thermopanel EPS

Rev. 1.2

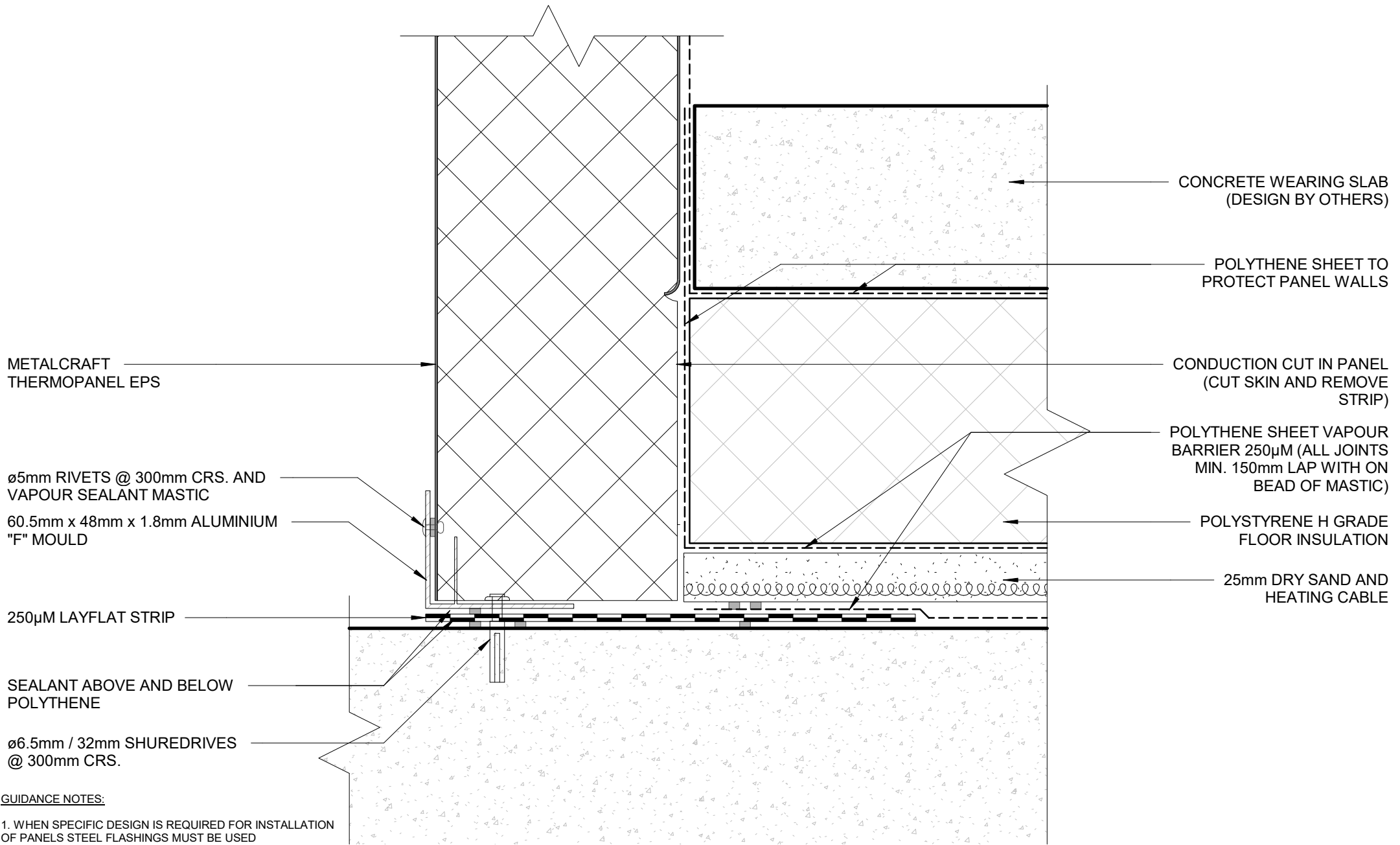
Reference TPEPS

Date 22.06.2023

Scale 1 : 5

Sheet

02 / 23



METALCRAFT
THERMOPANEL EPS

ø5mm RIVETS @ 300mm CRS. AND
VAPOUR SEALANT MASTIC

60.5mm x 48mm x 1.8mm ALUMINIUM
"F" MOULD

250µM LAYFLAT STRIP

SEALANT ABOVE AND BELOW
POLYTHENE

ø6.5mm / 32mm SHUREDRIVES
@ 300mm CRS.

CONCRETE WEARING SLAB
(DESIGN BY OTHERS)

POLYTHENE SHEET TO
PROTECT PANEL WALLS

CONDUCTION CUT IN PANEL
(CUT SKIN AND REMOVE
STRIP)

POLYTHENE SHEET VAPOUR
BARRIER 250µM (ALL JOINTS
MIN. 150mm LAP WITH ON
BEAD OF MASTIC)

POLYSTYRENE H GRADE
FLOOR INSULATION

25mm DRY SAND AND
HEATING CABLE

GUIDANCE NOTES:

1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION
OF PANELS STEEL FLASHINGS MUST BE USED

2. FIRE RESISTANT SEALANT MUST BE USED WHEN
SPECIFIC FIRE DESIGN IS REQUIRED
INSTALLATIONS.

DISCLAIMER:

All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, 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.

Thermopanel EPS

Rev. 2.1

FREEZER FLOOR 01
CONTROLLED ENVIRONMENT

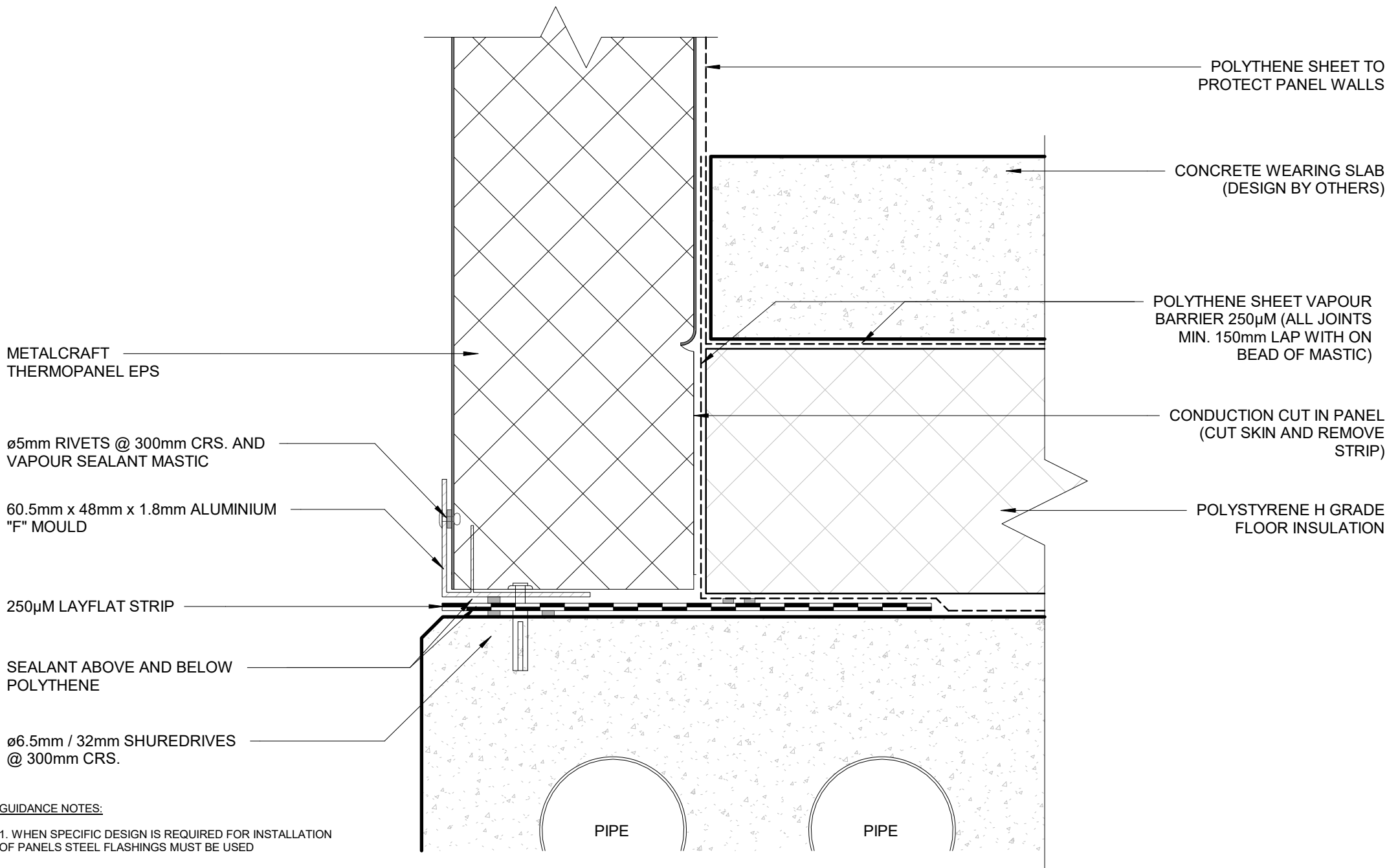
Reference TPEPS

Date 22.06.2023

Scale 1 : 2

Sheet

03 / 23

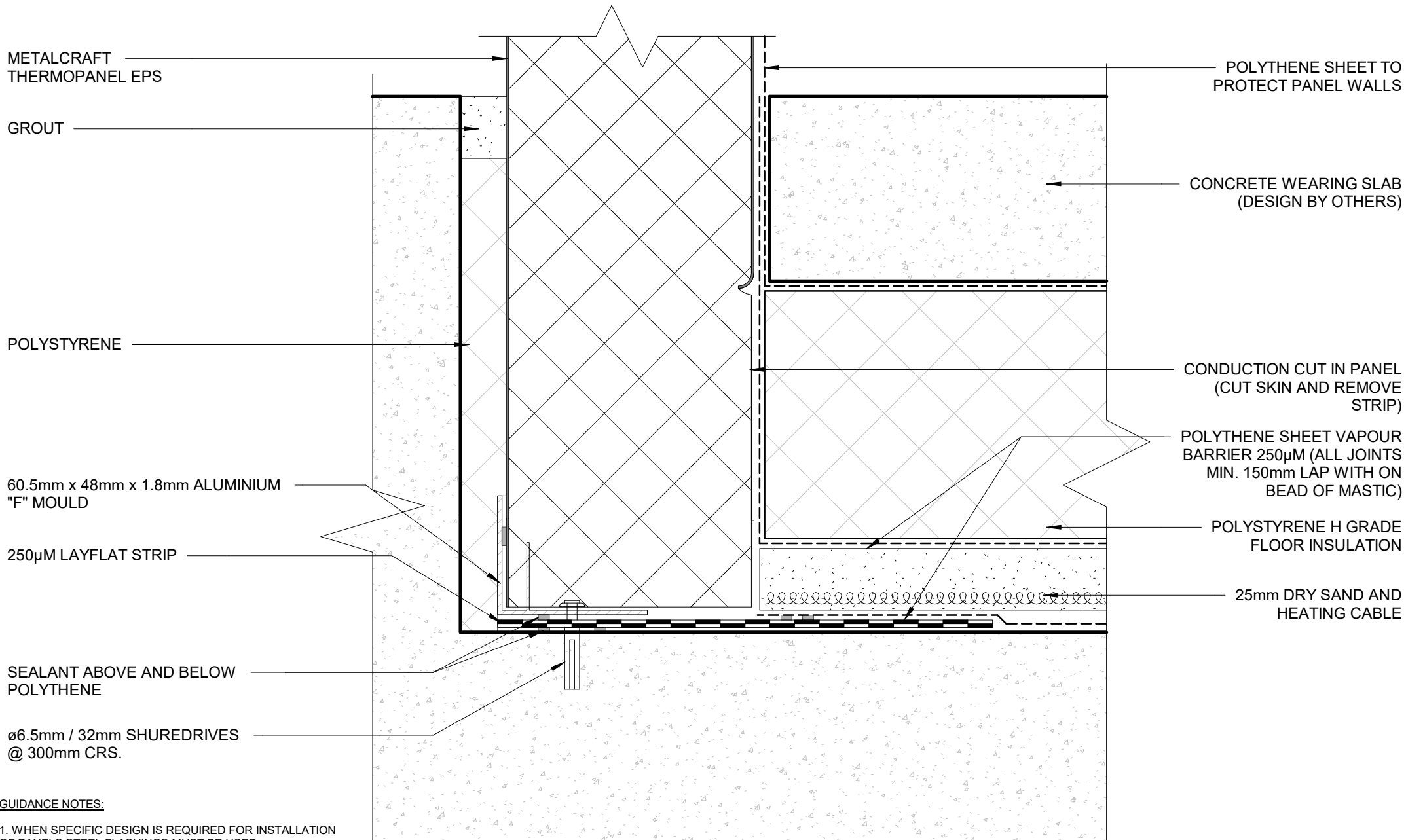


GUIDANCE NOTES:

1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION OF PANELS STEEL FLASHINGS MUST BE USED

2. FIRE RESISTANT SEALANT MUST BE USED WHEN SPECIFIC FIRE DESIGN IS REQUIRED INSTALLATIONS.

DISCLAIMER:
 All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, 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.

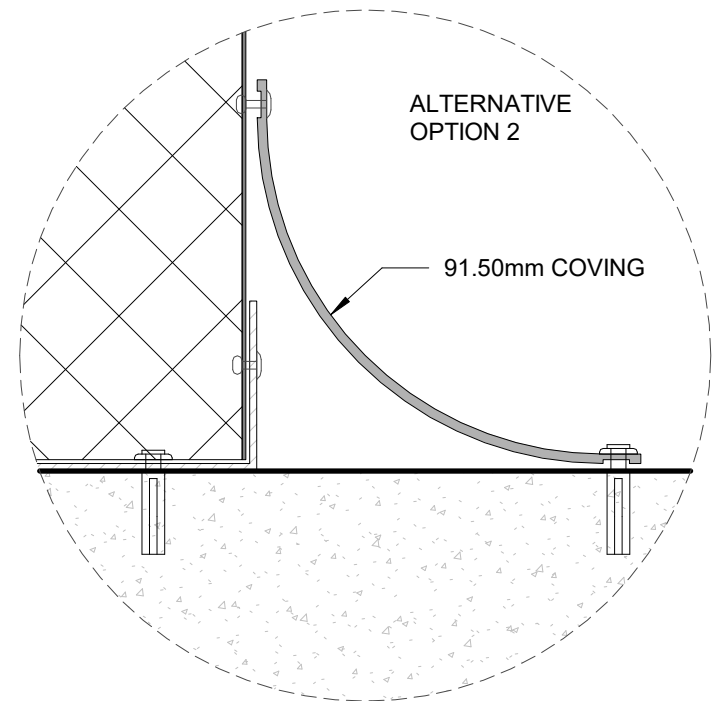
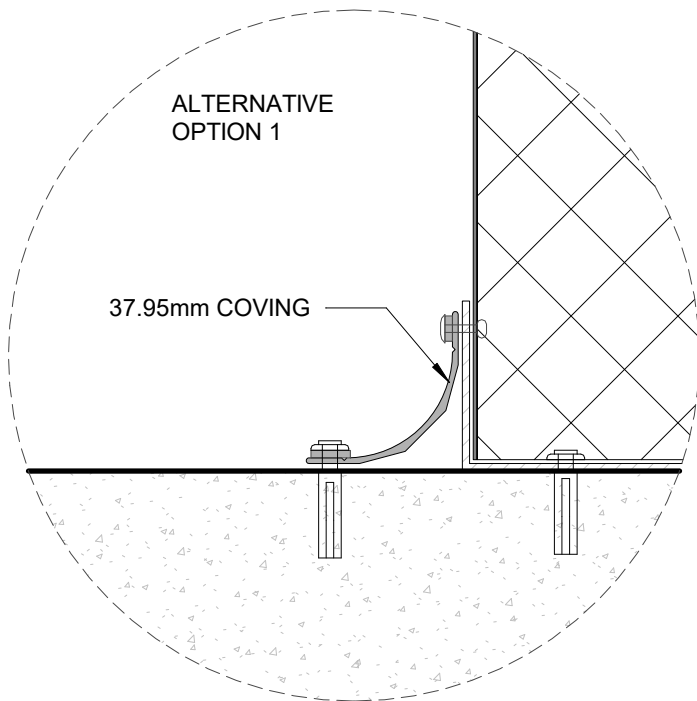


GUIDANCE NOTES:

1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION OF PANELS STEEL FLASHINGS MUST BE USED

2. FIRE RESISTANT SEALANT MUST BE USED WHEN SPECIFIC FIRE DESIGN IS REQUIRED INSTALLATIONS

DISCLAIMER:
 All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, 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.



Ø5mm/16mm RIVETS @
300mm CRS WITH SEALANT
(SEE GUIDANCE NOTE)

ALUMINIUM COVE BASE

F.F.L.

ø6.5mm / 32mm SHUREDRIVES
@ 300mm CRS.

METALCRAFT
THERMOPANEL EPS

- GUIDANCE NOTES:**
1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION OF PANELS STEEL FLASHINGS MUST BE USED
 2. FIRE RESISTANT SEALANT MUST BE USED WHEN SPECIFIC FIRE DESIGN IS REQUIRED INSTALLATIONS.

DISCLAIMER:
All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, 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.

PROCESS FLOOR 01
CONTROLLED ENVIRONMENT

METALCRAFT
THERMOPANEL EPS

ø5mm RIVETS @ 300mm CRS. WITH
SEALANT

ALUMINIUM CHANNEL

ø6.5mm / 32mm SHUREDRIVES
@ 300mm CRS.

ø5mm RIVETS @ 300mm CRS.

CONCRETE PLINTH

F.F.L.

GUIDANCE NOTES:

1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION
OF PANELS STEEL FLASHINGS MUST BE USED

2. FIRE RESISTANT SEALANT MUST BE USED WHEN
SPECIFIC FIRE DESIGN IS REQUIRED
INSTALLATIONS.

DISCLAIMER:

All details are to be used for indicative purposes only and the designer should consult both the MRM
code of practice version 3.0/2022, 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.

Metalcraft
Insulated Panels
www.metalcraftgroup.co.nz

Thermopanel EPS

Rev. 1.2

Reference TPEPS

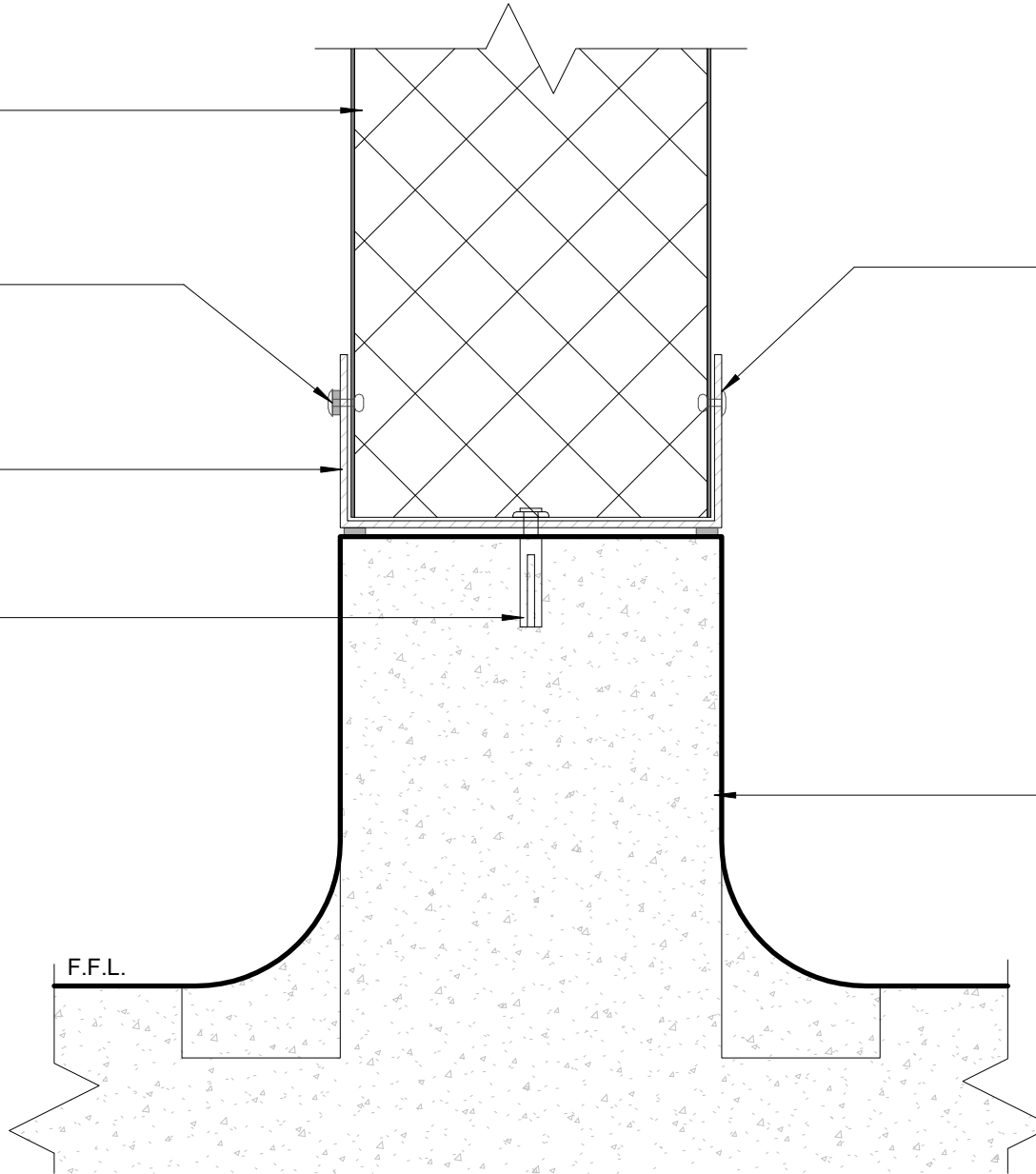
Date 22.06.2023

Scale 1 : 2

Sheet

07 / 23

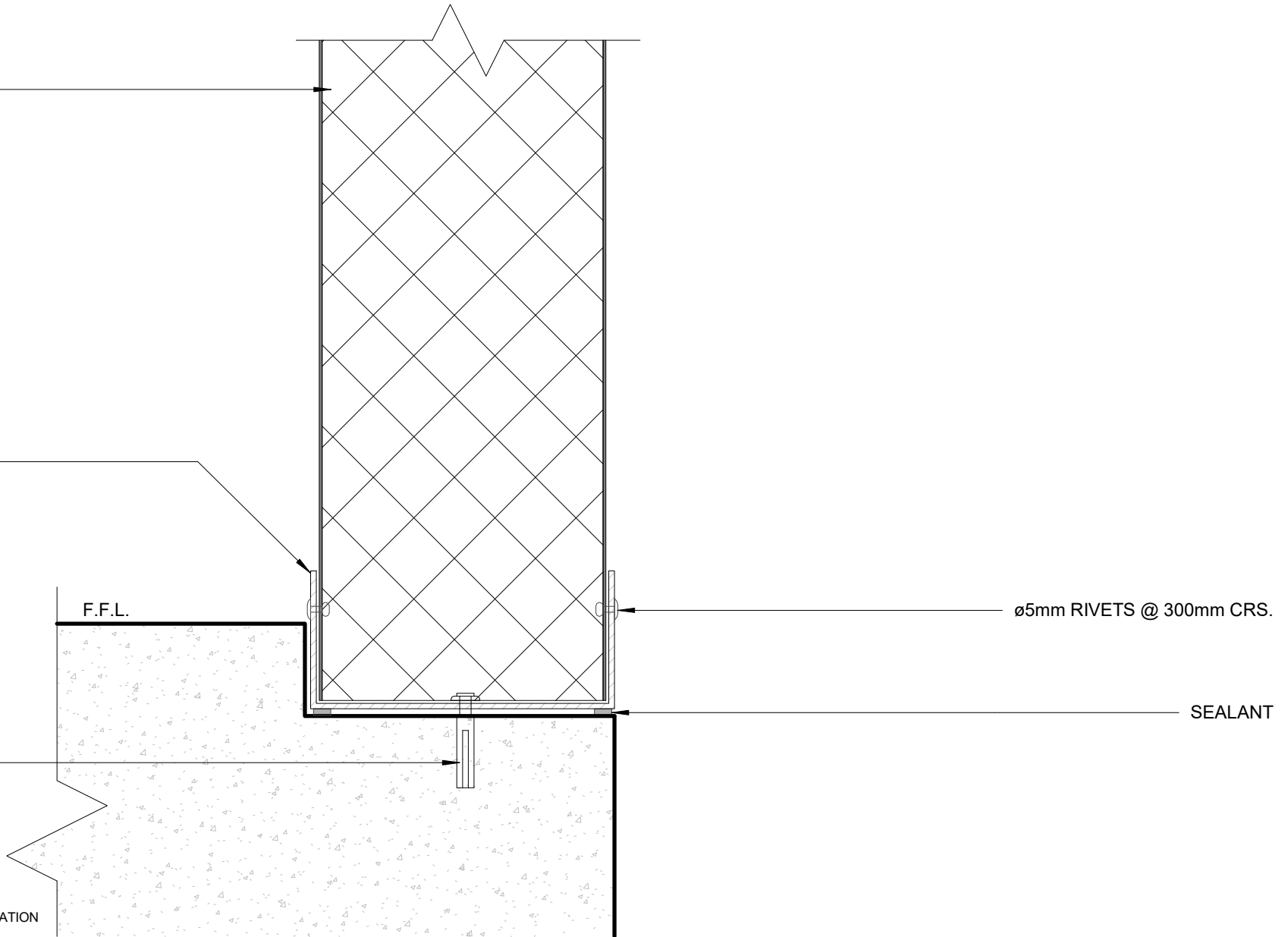
PROCESS FLOOR 02
CONTROLLED ENVIRONMENT



METALCRAFT
THERMOPANEL EPS

ALUMINIUM CHANNEL

ø6.5mm / 32mm SHUREDRIVES
@ 300mm CRS.



ø5mm RIVETS @ 300mm CRS.

SEALANT

GUIDANCE NOTES:

1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION OF PANELS STEEL FLASHINGS MUST BE USED

2. FIRE RESISTANT SEALANT MUST BE USED WHEN SPECIFIC FIRE DESIGN IS REQUIRED INSTALLATIONS.

DISCLAIMER:
All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, 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.

ø5mm RIVET TO CEILING

40mm x 40mm 2-3mm
ALUMINIUM ANGLE

METALCRAFT
THERMOPANEL EPS

ø6.5mm / 32mm SHUREDRIVES
@ 300mm CRS.

ø5mm RIVETS @300mm CRS.

ALUMINIUM CHANNEL

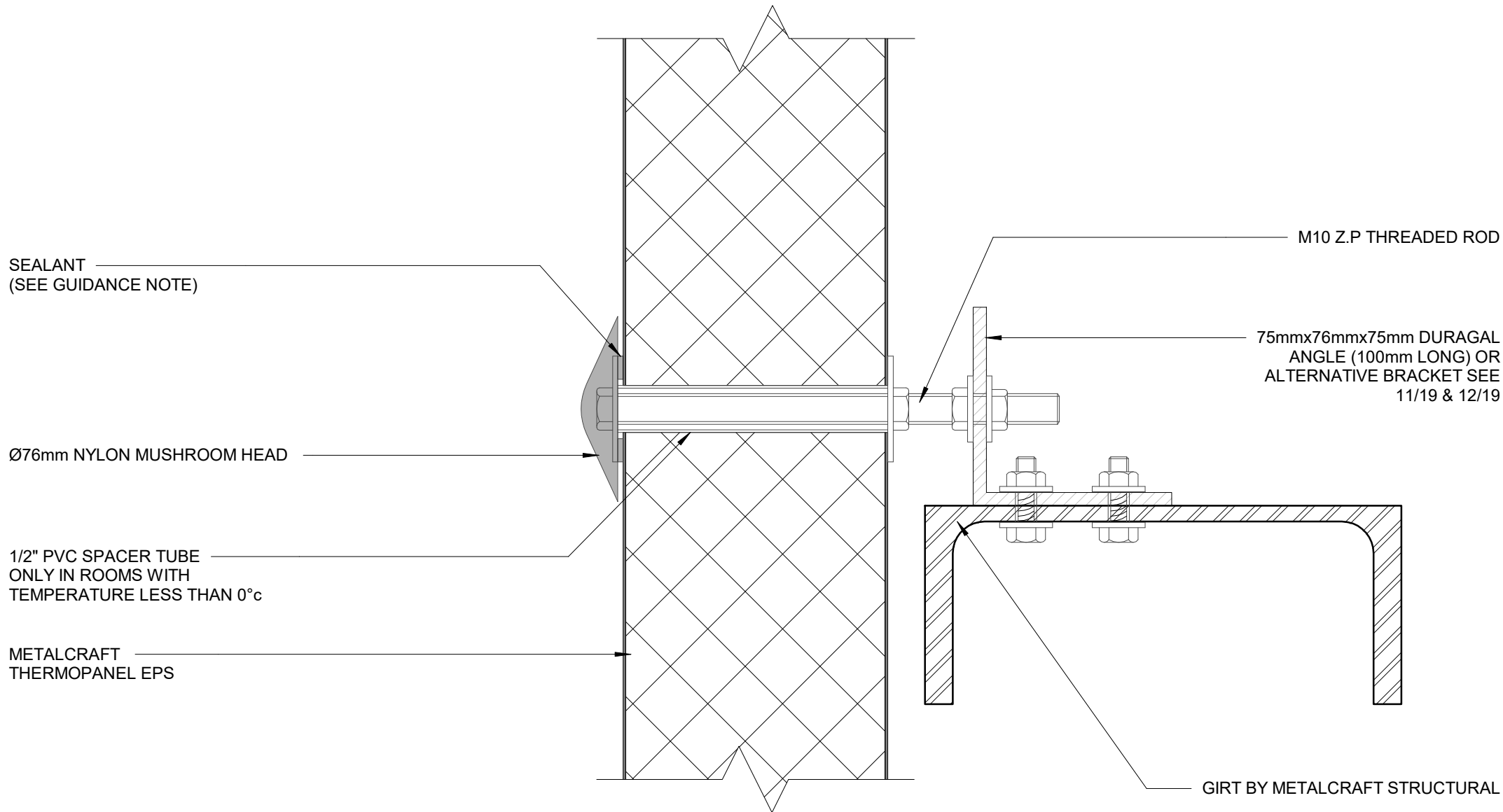
GUIDANCE NOTES:

1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION OF PANELS STEEL FLASHINGS MUST BE USED

2. FIRE RESISTANT SEALANT MUST BE USED WHEN SPECIFIC FIRE DESIGN IS REQUIRED INSTALLATIONS.

DISCLAIMER:

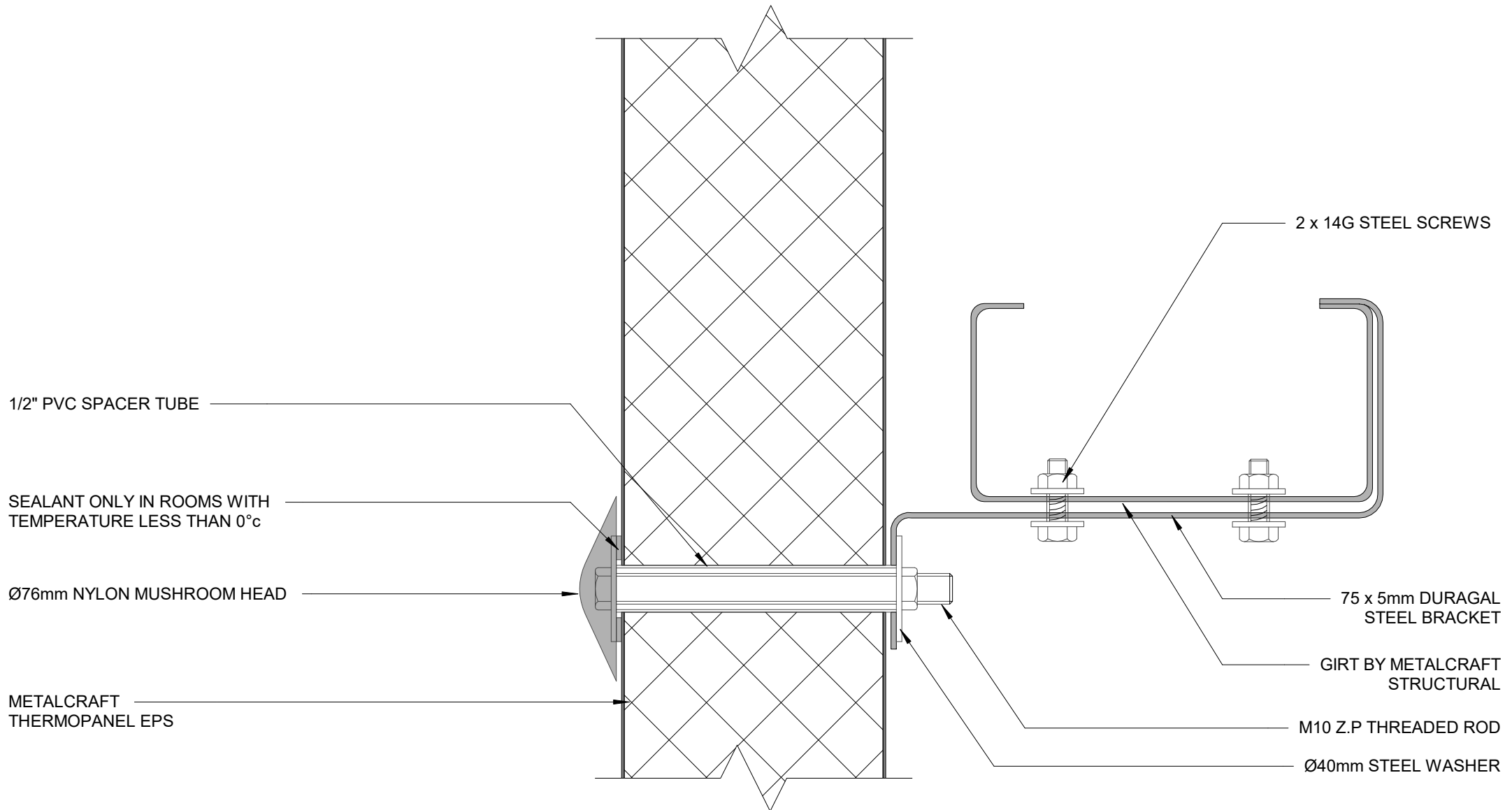
All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, E2 and all other relevant building codes
Details of the supporting mechanisms are indicative only. Compliance of the supporting mechanisms is the responsibility of the designer.



GUIDANCE NOTES:

1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION OF PANELS STEEL FLASHINGS MUST BE USED
2. FIRE RESISTANT SEALANT MUST BE USED WHEN SPECIFIC FIRE DESIGN IS REQUIRED INSTALLATIONS.

DISCLAIMER:
All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, 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.

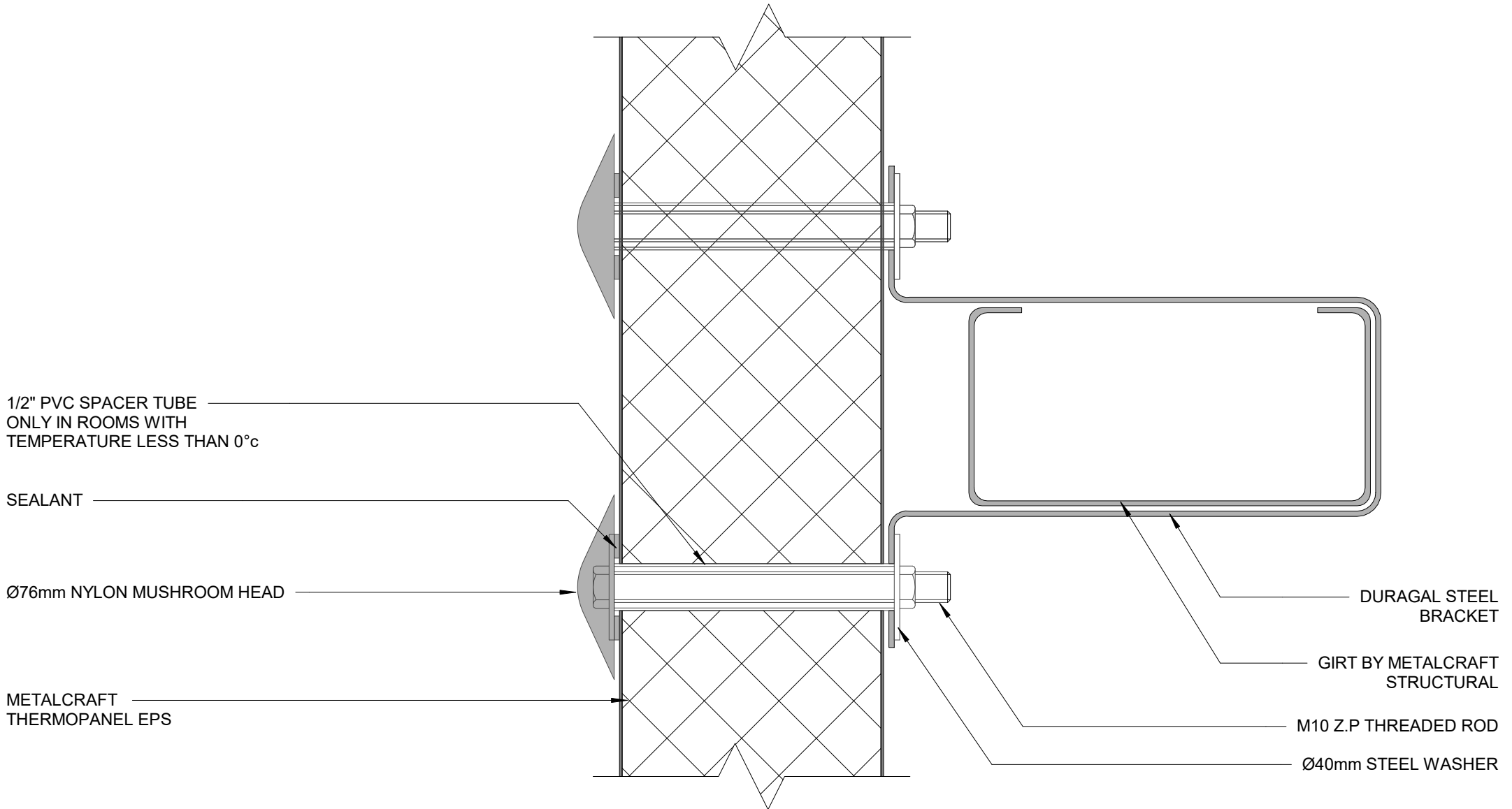


GUIDANCE NOTES:

1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION OF PANELS STEEL FLASHINGS MUST BE USED

2. FIRE RESISTANT SEALANT MUST BE USED WHEN SPECIFIC FIRE DESIGN IS REQUIRED INSTALLATIONS.

DISCLAIMER:
 All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, 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.



GUIDANCE NOTES:

1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION OF PANELS STEEL FLASHINGS MUST BE USED
2. FIRE RESISTANT SEALANT MUST BE USED WHEN SPECIFIC FIRE DESIGN IS REQUIRED INSTALLATIONS.

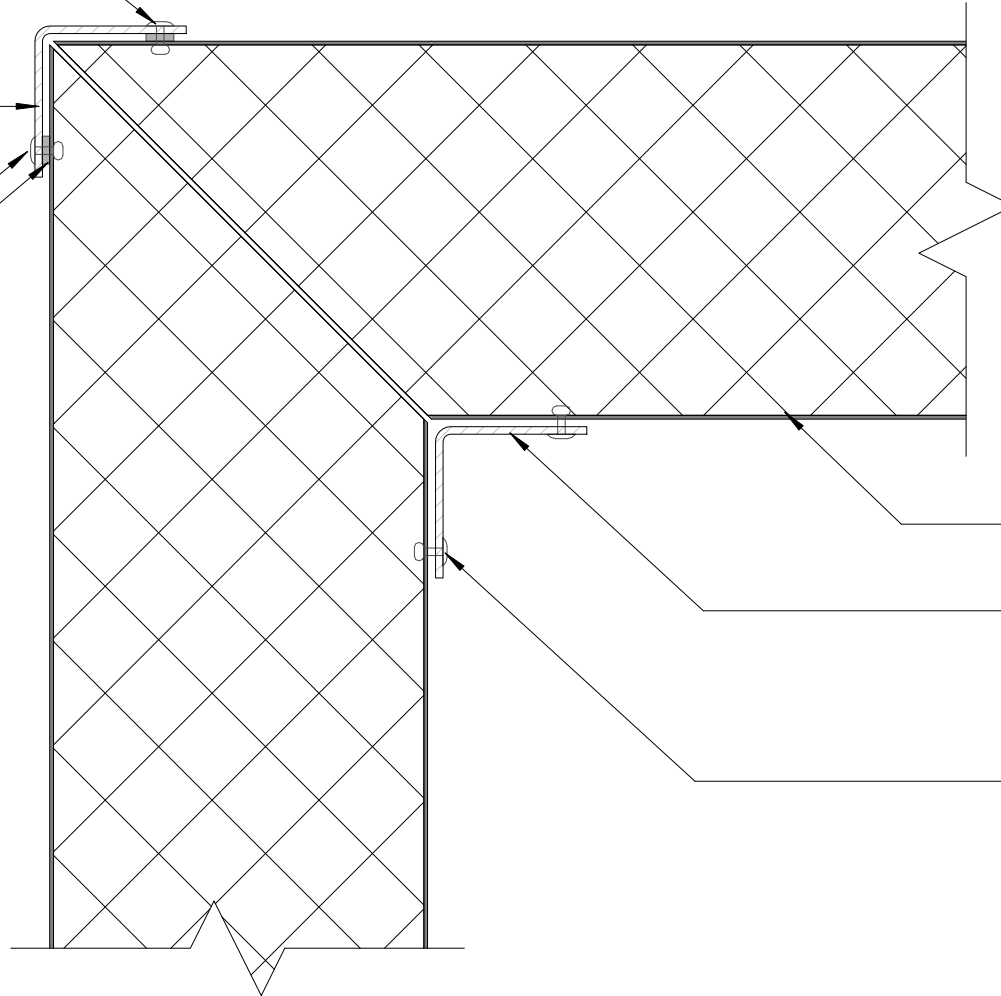
DISCLAIMER:
 All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, E2 and all other relevant building codes
 Details of the supporting mechanisms are indicative only. Compliance of the supporting mechanisms is the responsibility of the designer.

Ø5mm RIVETS @ 300mm CRS

40mm x 40mm 2-3mm
ALUMINIUM ANGLE
(SEE GUIDANCE NOTE)

Ø5mm RIVETS @ 300mm CRS.
WITH SEALANT
(SEE GUIDANCE NOTE)

SEALANT
(SEE GUIDANCE NOTE)



METALCRAFT THERMOPANEL
EPS

40mm x 40mm 2-3mm
ALUMINIUM ANGLE
ANGLENO SEALANT

Ø5mm RIVETS @ 300mm CRS.

GUIDANCE NOTES:

1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION OF PANELS STEEL FLASHINGS MUST BE USED

2. FIRE RESISTANT SEALANT MUST BE USED WHEN SPECIFIC FIRE DESIGN IS REQUIRED INSTALLATIONS.

DISCLAIMER:

All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, 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.

VERTICAL CORNER COOLROOM / FREEZER

Thermopanel EPS

Rev. 1.2

CONTROLLED ENVIRONMENT

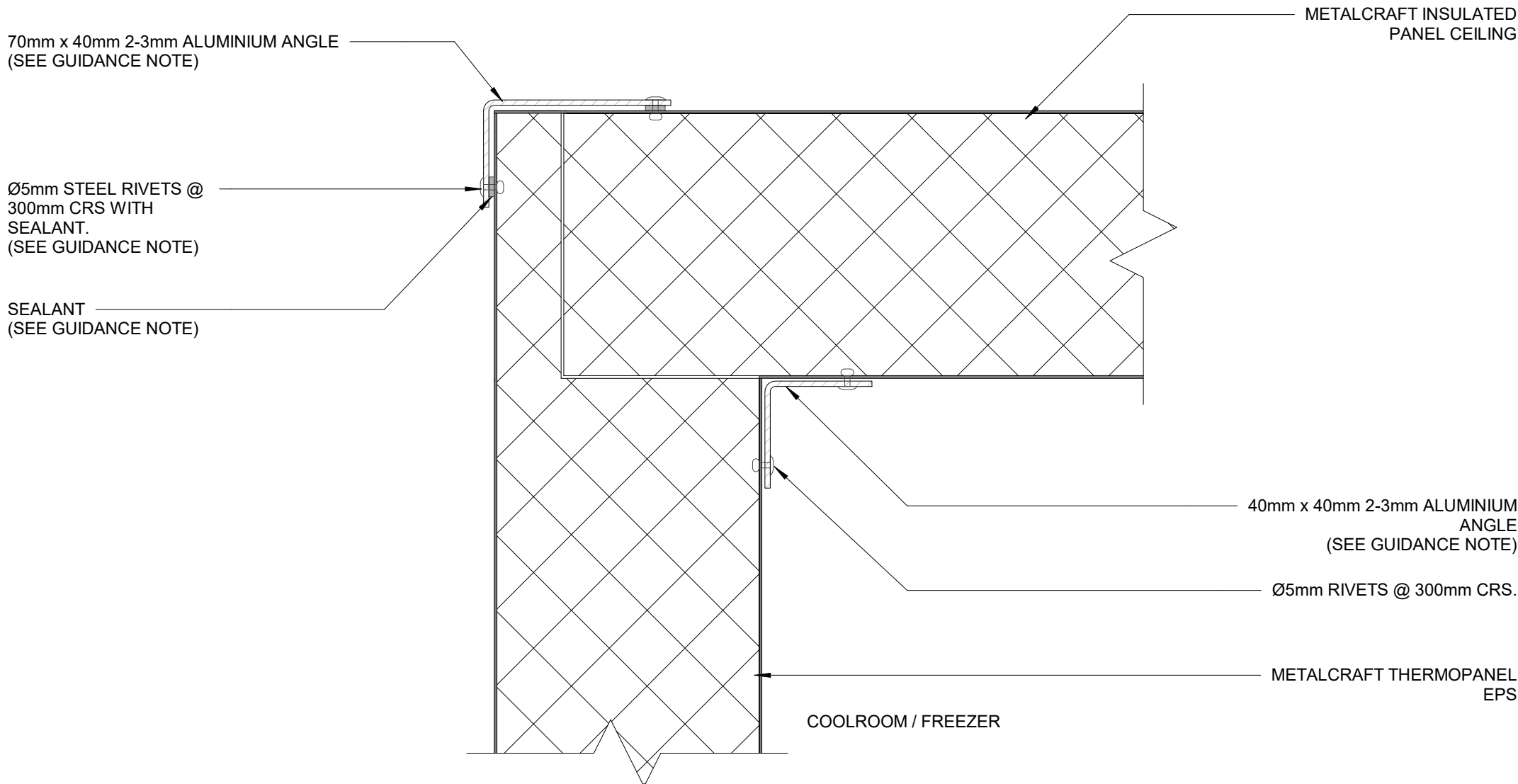
Reference TPEPS

Date 22.06.2023

Scale 1 : 2

Sheet

13 / 23



70mm x 40mm 2-3mm ALUMINIUM ANGLE
(SEE GUIDANCE NOTE)

METALCRAFT INSULATED
PANEL CEILING

Ø5mm STEEL RIVETS @
300mm CRS WITH
SEALANT.
(SEE GUIDANCE NOTE)

SEALANT
(SEE GUIDANCE NOTE)

40mm x 40mm 2-3mm ALUMINIUM
ANGLE
(SEE GUIDANCE NOTE)

Ø5mm RIVETS @ 300mm CRS.

METALCRAFT THERMOPANEL
EPS

COOLROOM / FREEZER

GUIDANCE NOTES:

1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION OF PANELS STEEL FLASHINGS MUST BE USED

2. FIRE RESISTANT SEALANT MUST BE USED WHEN SPECIFIC FIRE DESIGN IS REQUIRED INSTALLATIONS.

DISCLAIMER:
All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, 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.

ROOF TO WALL COOLROOM / FREEZER 01
Thermopanel EPS Rev. 2.1 **CONTROLLED ENVIRONMENT**

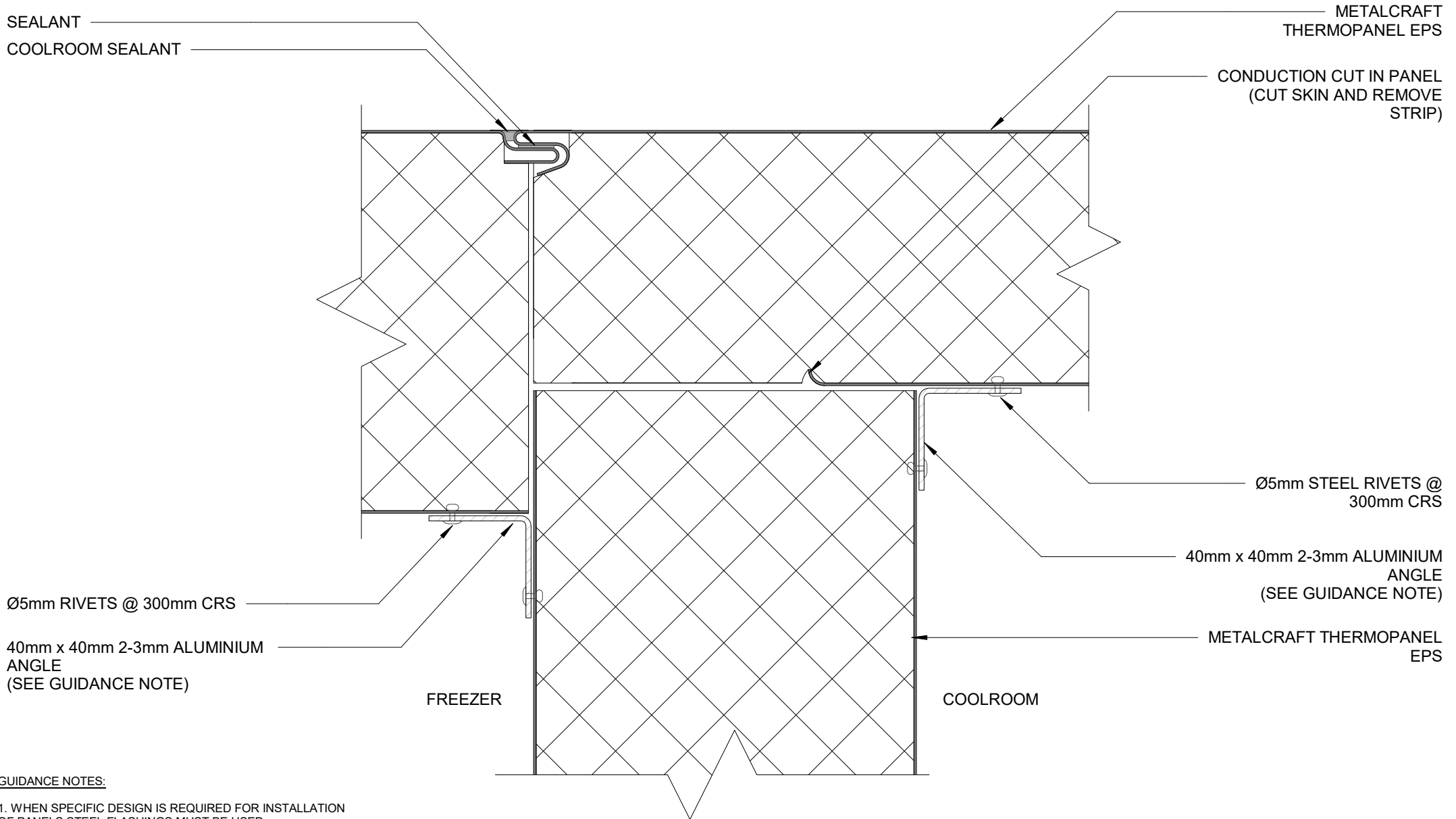
Reference TPEPS

Date 22.06.2023

Scale 1 : 2

Sheet

14 / 23



GUIDANCE NOTES:

1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION OF PANELS STEEL FLASHINGS MUST BE USED

2. FIRE RESISTANT SEALANT MUST BE USED WHEN SPECIFIC FIRE DESIGN IS REQUIRED INSTALLATIONS

DISCLAIMER:
 All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, 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.

COOLROOM / FREEZER CONNECTION 01

Thermopanel EPS

Rev. 1.2

CONTROLLED ENVIRONMENT

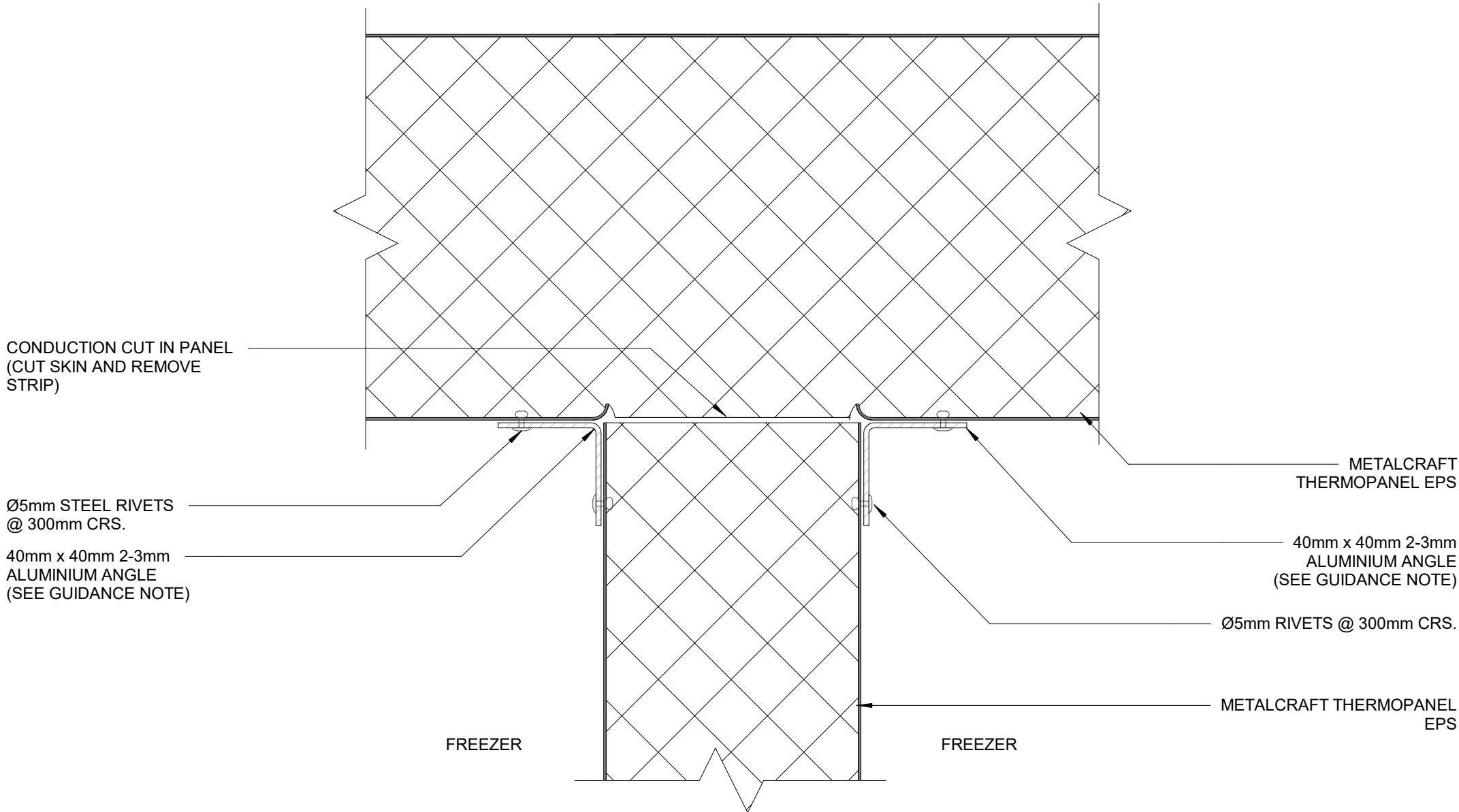
Reference TPEPS

Date 22.06.2023

Scale 1 : 2

Sheet

15 / 23

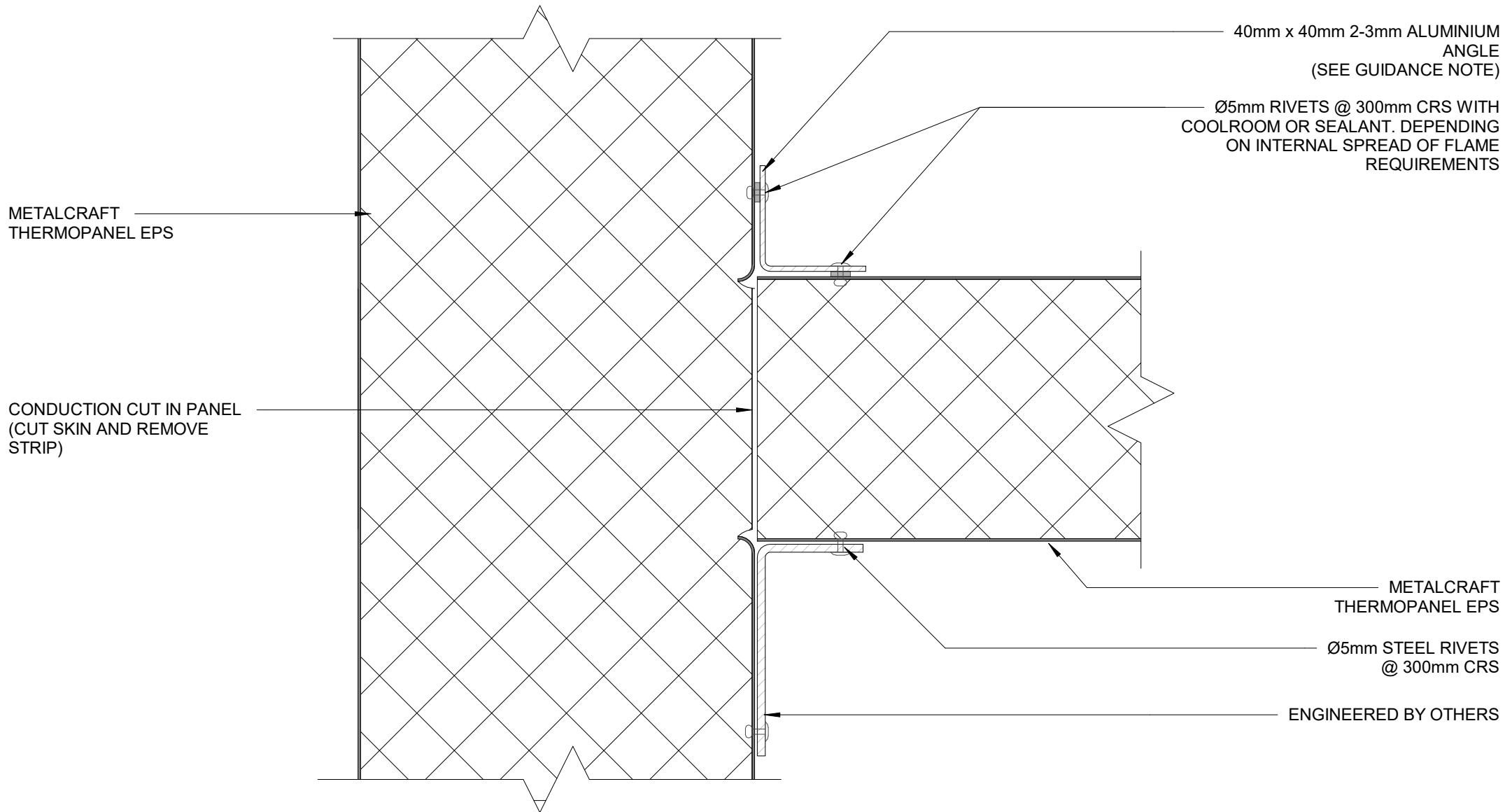


GUIDANCE NOTES:

1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION OF PANELS STEEL FLASHINGS MUST BE USED

2. FIRE RESISTANT SEALANT MUST BE USED WHEN SPECIFIC FIRE DESIGN IS REQUIRED INSTALLATIONS.

DISCLAIMER:
 All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, 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.



GUIDANCE NOTES:

1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION OF PANELS STEEL FLASHINGS MUST BE USED

2. FIRE RESISTANT SEALANT MUST BE USED WHEN SPECIFIC FIRE DESIGN IS REQUIRED INSTALLATIONS.

DISCLAIMER:

All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, 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.

COOLROOM / FREEZER CEILING DETAIL 01

Thermopanel EPS

Rev. 2.1

CONTROLLED ENVIRONMENT

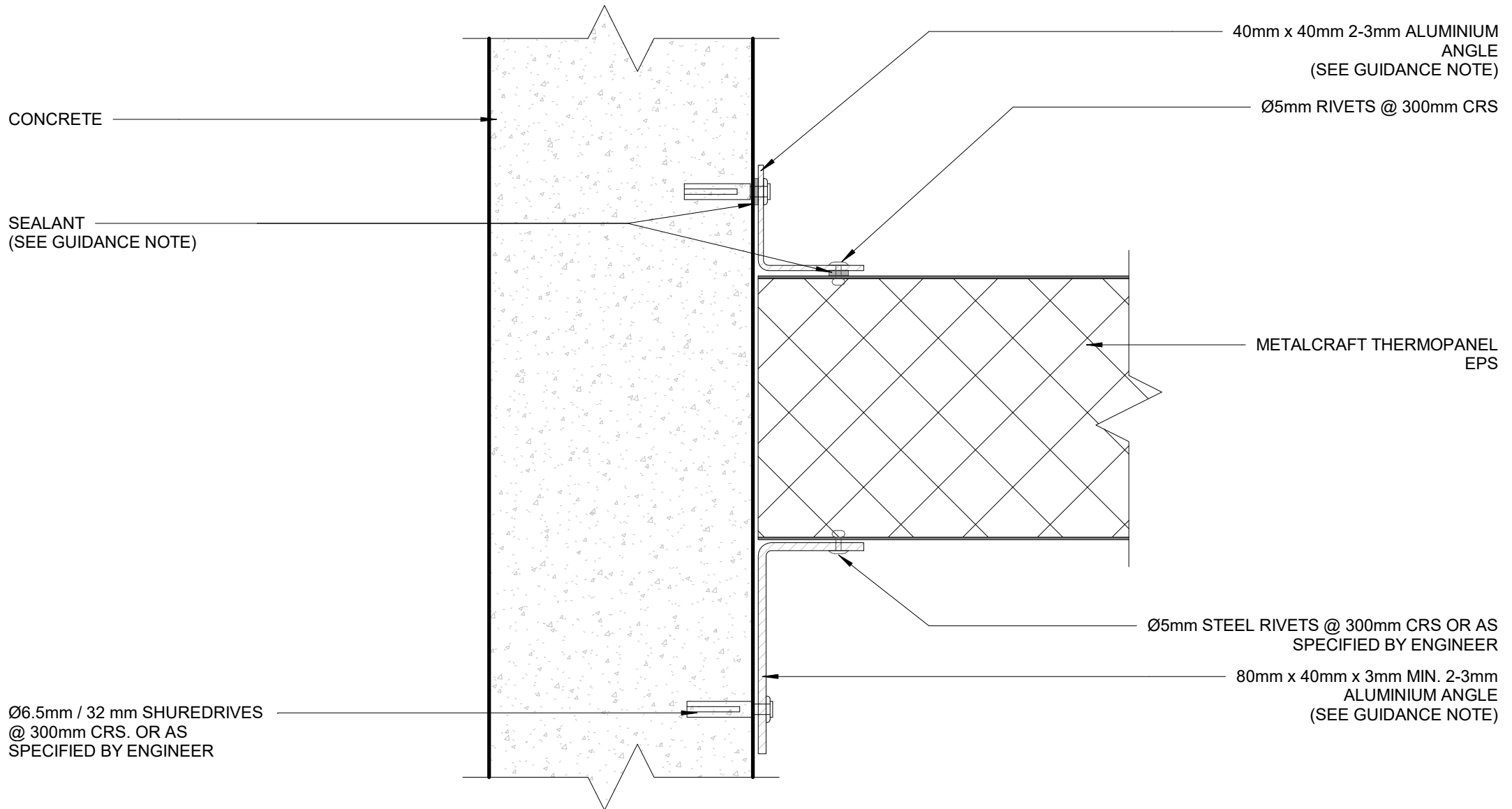
Reference TPEPS

Date 22.06.2023

Scale 1 : 2

Sheet

17 / 23



GUIDANCE NOTES:

1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION OF PANELS STEEL FLASHINGS MUST BE USED
2. FIRE RESISTANT SEALANT MUST BE USED WHEN SPECIFIC FIRE DESIGN IS REQUIRED INSTALLATIONS.

DISCLAIMER:
 All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, 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.

CEILING TO WALL DETAIL 01
CONTROLLED ENVIRONMENT

Thermopanel EPS

Rev. 1.2

Reference TPEPS

Date 22.06.2023

Scale 1 : 2

Sheet

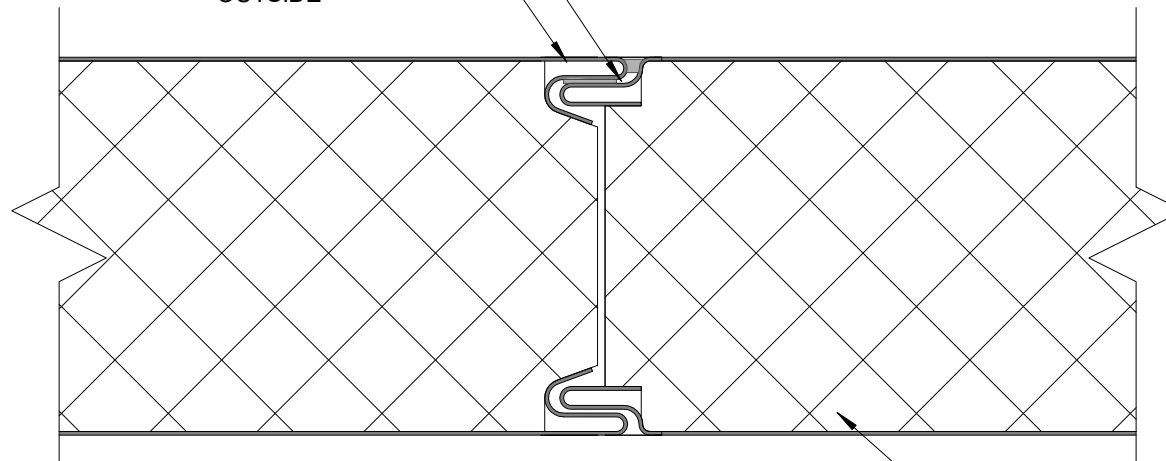
18 / 23

SEALANT

COOLROOM SEALANT

OUTSIDE

INSIDE



METALCRAFT
THERMOPANEL

GUIDANCE NOTES:

1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION OF PANELS STEEL FLASHINGS MUST BE USED

2. FIRE RESISTANT SEALANT MUST BE USED WHEN SPECIFIC FIRE DESIGN IS REQUIRED INSTALLATIONS

DISCLAIMER:

All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, 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.

TYPICAL WALL JOINT FREEZER / COOLROOM 01

Thermopanel EPS

Rev. 1.2

CONTROLLED ENVIRONMENT

Reference TPEPS

Date 22.06.2023

Scale 1 : 2

Sheet

19 / 23

70mm x 40mm 2-3mm ALUMINIUM ANGLE
(SEE GUIDANCE NOTE)

METALCRAFT INSULATED
PANEL CEILING

Ø5mm STEEL RIVETS @
300mm CRS WITH
SEALANT.

SEALANT
(SEE GUIDANCE NOTE)

40mm x 40mm 2-3mm
ALUMINIUM ANGLE
(SEE GUIDANCE NOTE)

Ø5mm RIVETS @ 300mm CRS.

METALCRAFT THERMOPANEL
EPS

COOLROOM

GUIDANCE NOTES:

1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION
OF PANELS STEEL FLASHINGS MUST BE USED

2. FIRE RESISTANT SEALANT MUST BE USED WHEN
SPECIFIC FIRE DESIGN IS REQUIRED
INSTALLATIONS.

DISCLAIMER:

All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, 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.

**CLEAN ROOM ROOF TO WALL
CONTROLLED ENVIRONMENT**

Thermopanel EPS

Rev. 1.2

Reference TPEPS

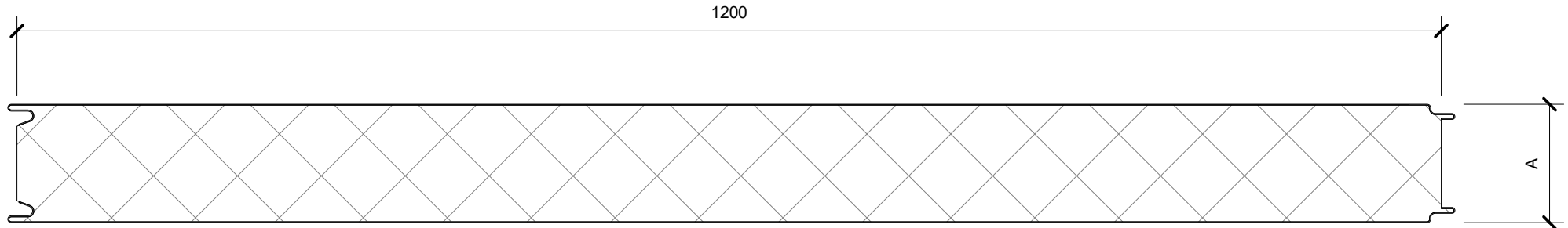
Date 22.06.2023

Scale 1 : 2

Sheet

20 / 23

THERMOPANEL EPS



FLAT FINISH - AVAILABLE BOTH SIDES

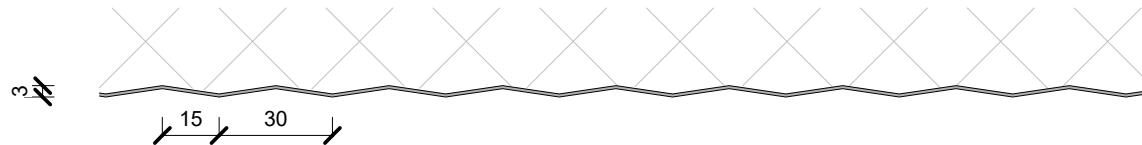
SCALE @ 1:5

A= 50, 75, 100, 125,
150, 200, 250mm

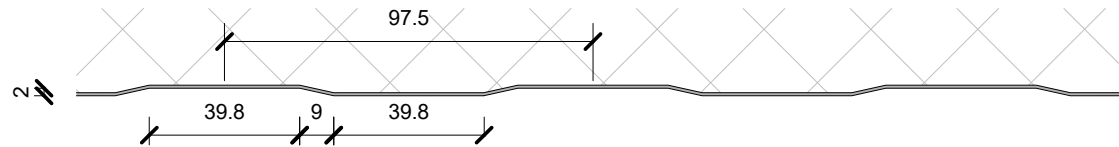
INTERNAL LINER FINISHES

SCALE @ 1:2

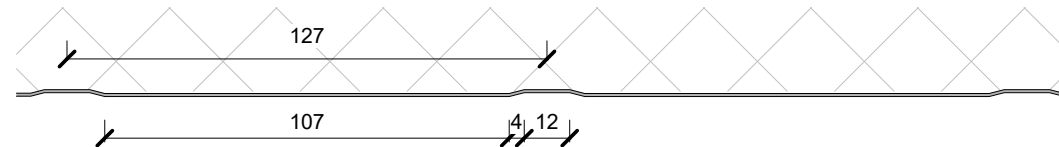
SILKLINE FINISH
- ONE SIDE ONLY

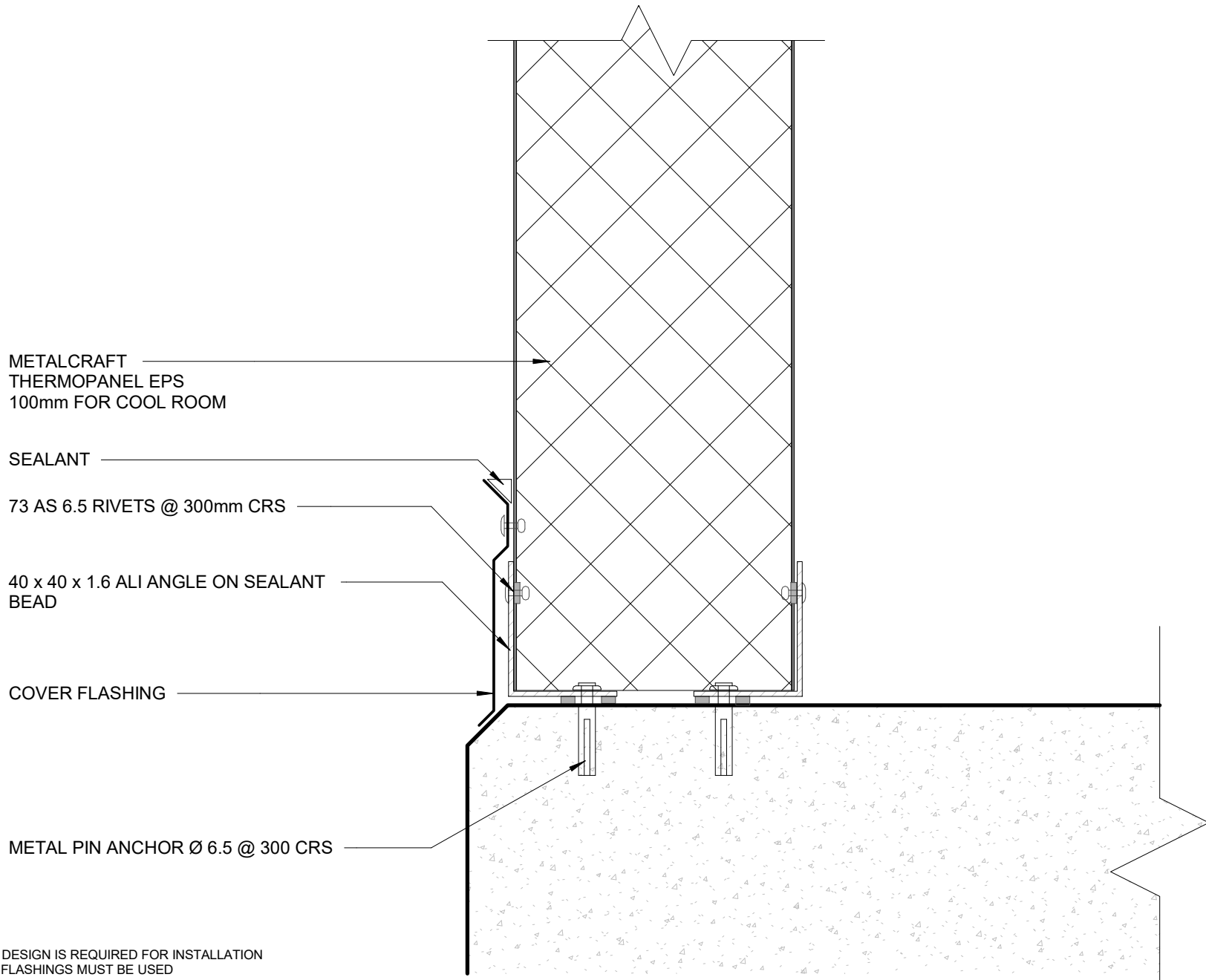


MESA FINISH
- ONE SIDE ONLY



RIBBED FINISH
- AVAILABLE BOTH SIDES





- GUIDANCE NOTES:**
1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION OF PANELS STEEL FLASHINGS MUST BE USED
 2. FIRE RESISTANT SEALANT MUST BE USED WHEN SPECIFIC FIRE DESIGN IS REQUIRED INSTALLATIONS.

DISCLAIMER:
 All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, 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.

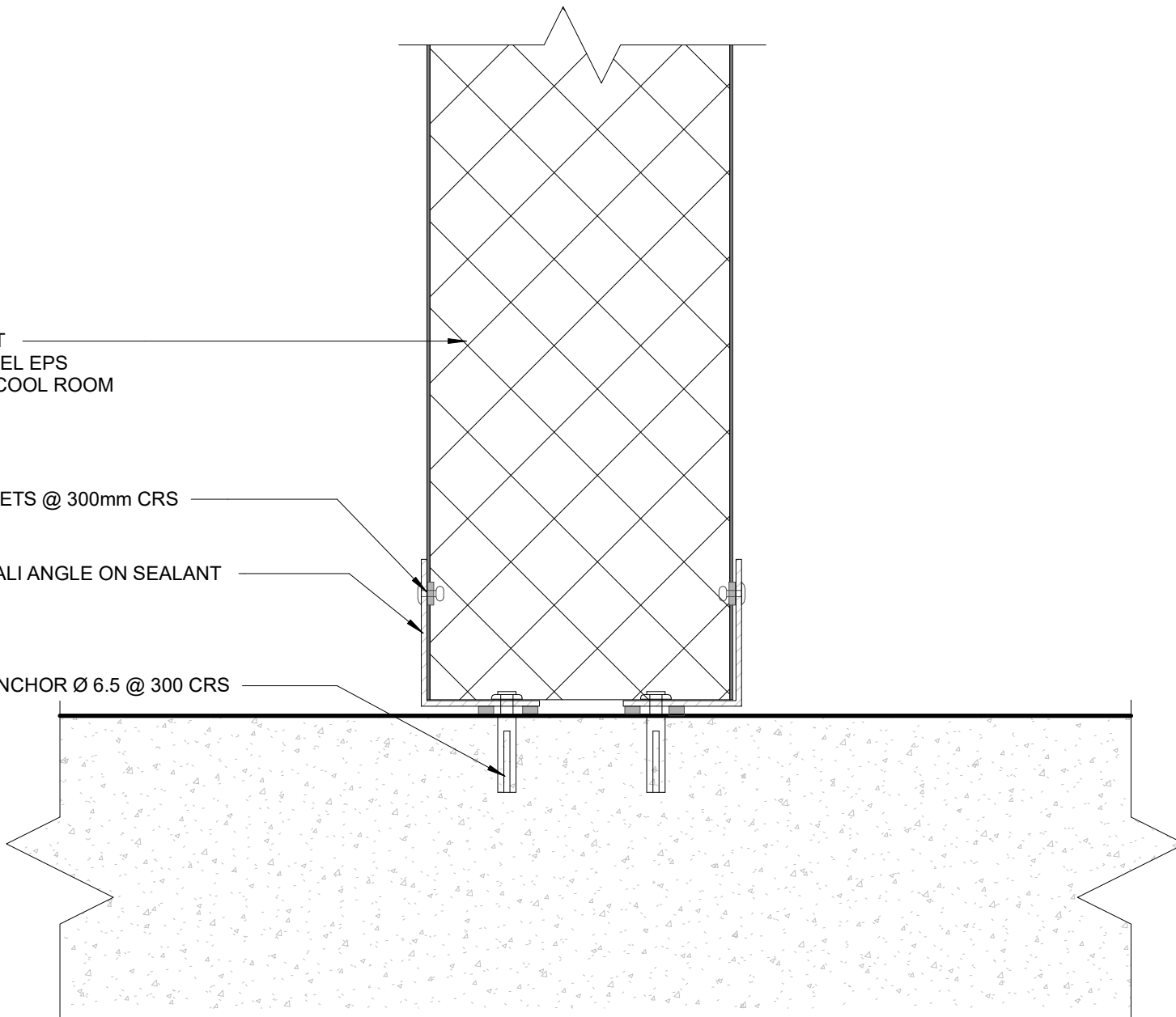
COOL ROOM BASE DETAIL 01
CONTROLLED ENVIRONMENT

METALCRAFT
THERMOPANEL EPS
100mm FOR COOL ROOM

73 AS 6.5 RIVETS @ 300mm CRS

40 x 40 x 1.6 ALI ANGLE ON SEALANT
BEAD

METAL PIN ANCHOR Ø 6.5 @ 300 CRS



GUIDANCE NOTES:

1. WHEN SPECIFIC DESIGN IS REQUIRED FOR INSTALLATION OF PANELS STEEL FLASHINGS MUST BE USED

2. FIRE RESISTANT SEALANT MUST BE USED WHEN SPECIFIC FIRE DESIGN IS REQUIRED INSTALLATIONS

DISCLAIMER:
All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0/2022, 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.

COOL ROOM BASE DETAIL 02
CONTROLLED ENVIRONMENT

Thermopanel EPS

Rev. 1.0

Reference TPEPS

Date 22.06.2023

Scale 1 : 2

Sheet

23 / 23