

Thermopanel EPS

CONTROLLED ENVIRONMENT

DETAIL LIST

		<u>Revision</u>	<u>Date</u>
00 / 21	COVER SHEET		
01 / 21	CEILING SUSPENSION 01	1.1	14.12.2018
02 / 21	CEILING SUSPENSION 02	1.1	14.12.2018
03 / 21	FREEZER FLOOR 01	2.0	14.12.2018
04 / 21	FREEZER FLOOR 02	1.1	14.12.2018
05 / 21	FREEZER FLOOR 03	2.0	14.12.2018
06 / 21	PROCESS FLOOR 01	1.1	14.12.2018
07 / 21	PROCESS FLOOR 02	1.1	14.12.2018
08 / 21	PROCESS FLOOR 03	1.1	14.12.2018
09 / 21	PARTITION 01	2.0	14.12.2018
10 / 21	GIRT 01	2.0	14.12.2018
11 / 21	GIRT 02	2.0	14.12.2018
12 / 21	GIRT 03	1.1	14.12.2018
13 / 21	VERTICAL CORNER COOLROOM / FREEZER	1.1	14.12.2018
14 / 21	ROOF TO WALL COOLROOM / FREEZER 01	2.0	14.12.2018
15 / 21	COOLROOM / FREEZER CONNECTION 01	1.1	14.12.2018
16 / 21	FREEZER PARTITION 01	1.1	14.12.2018
17 / 21	COOLROOM / FREEZER CEILING DETAIL 01	2.0	14.12.2018
18 / 21	CEILING TO WALL DETAIL 01	1.1	14.12.2018
19 / 21	TYPICAL WALL JOINT FREEZER / COOLROOM 01	1.1	14.12.2018
20 / 21	CLEAN ROOM ROOF TO WALL	1.0	14.12.2018
21 / 21	PANEL PROFILES AND SIZES	1.1	14.12.2018

www.metalcraftgroup.co.nz

Architectural / Specification Enquiries

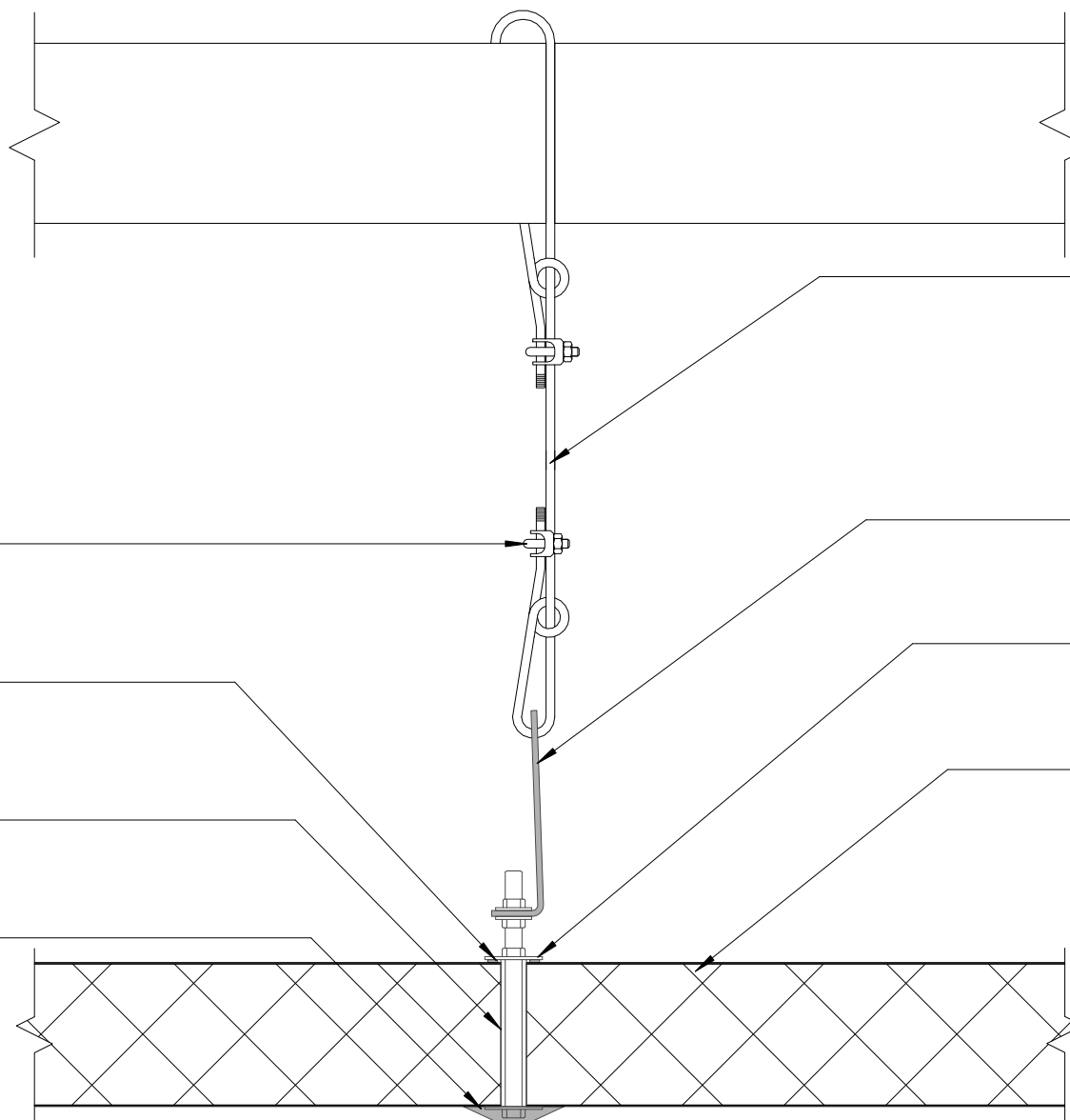
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Mobile: 027 603 1096

Email: Frances.charles@unitedindustries.co.nz

Metalcraft
Insulated Panels

TPEPS



Ø4mm GALVANIZED WIRE ROPE

GALVANIZED 'L' BRACKET

Ø40mm WASHER AND M10 ZP HEX NUT

METALCRAFT
THERMOPANEL EPS

GRIPPLE HANG FAST WIRE
GRIP OR OTHER

FIRE RESISTANT SEALANT

1/2" PVC SPACER TUBE

Ø76mm NYLON MUSHROOM HEAD

GUIDANCE NOTES:

1. WHEN STANDARD INSTALLATION OF PANELS IS SUFFICIENT THEN THE STEEL FLASHINGS CAN BE REPLACED WITH ALUMINIUM
2. ORDINARY SEALANT MAY BE USED FOR STANDARD INSTALLATIONS

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CEILING SUSPENSION 01
CONTROLLED ENVIRONMENT



Thermopanel EPS

Rev. 1.1

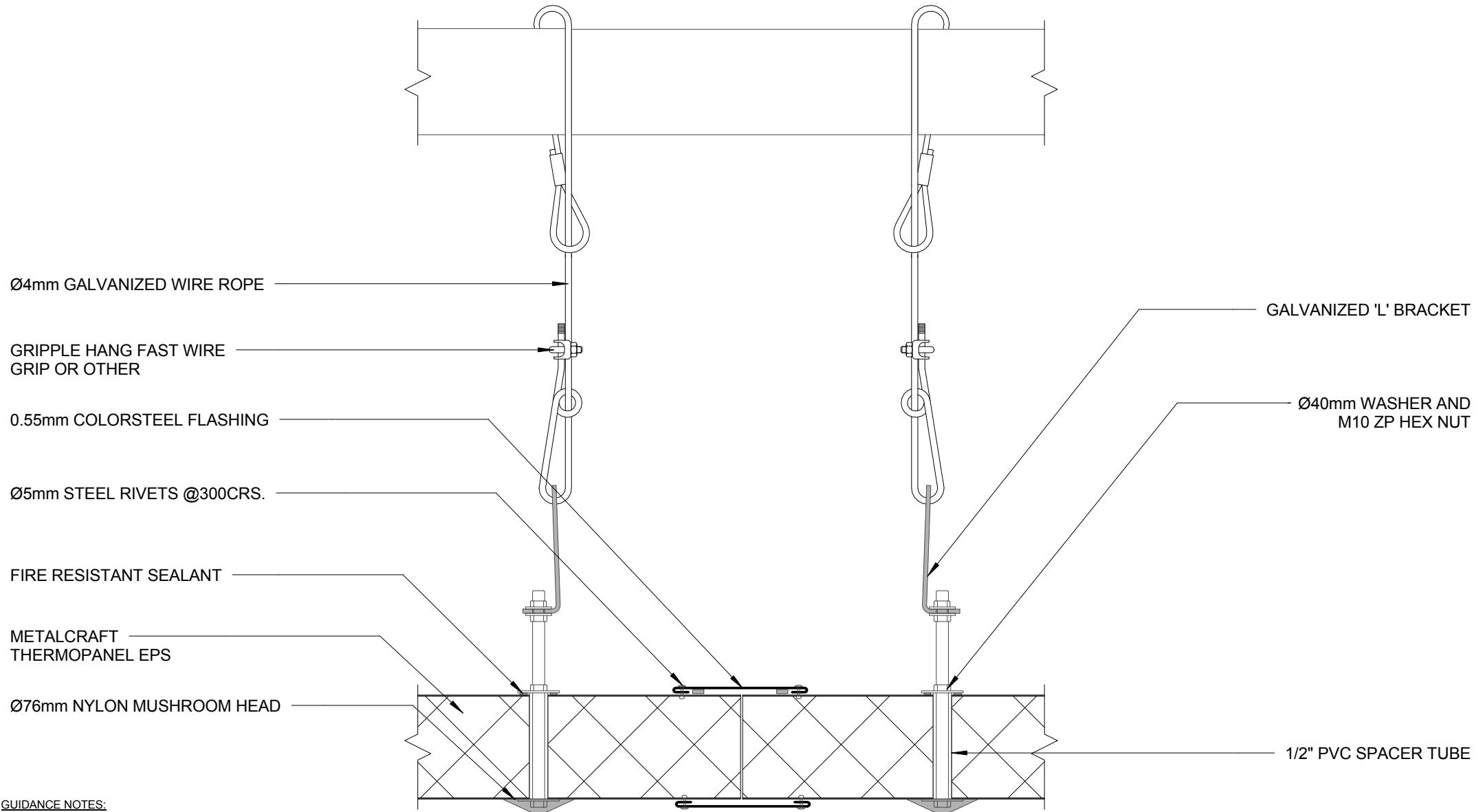
Reference TPEPS

Date 14.12.2018

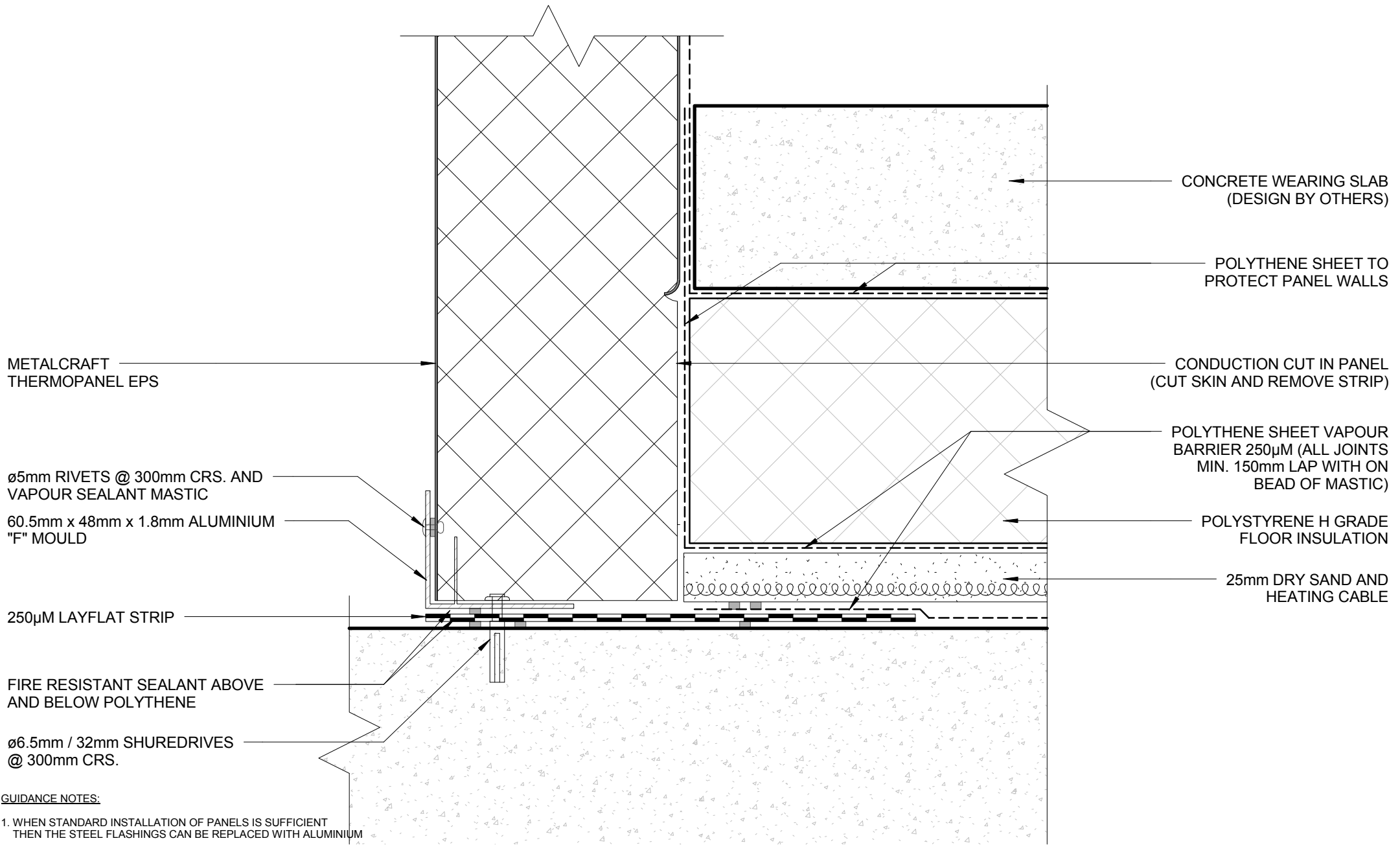
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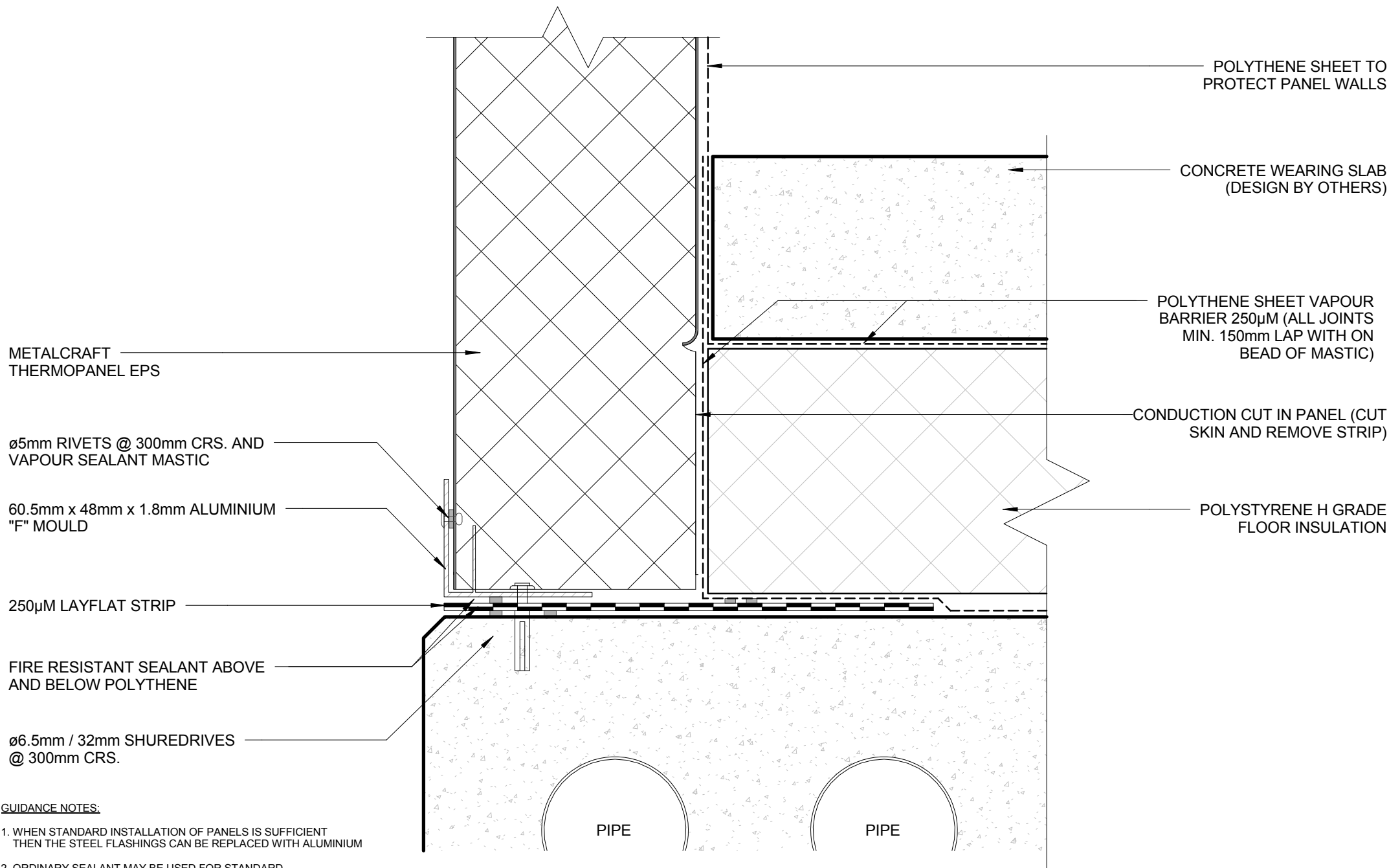
01 / 21



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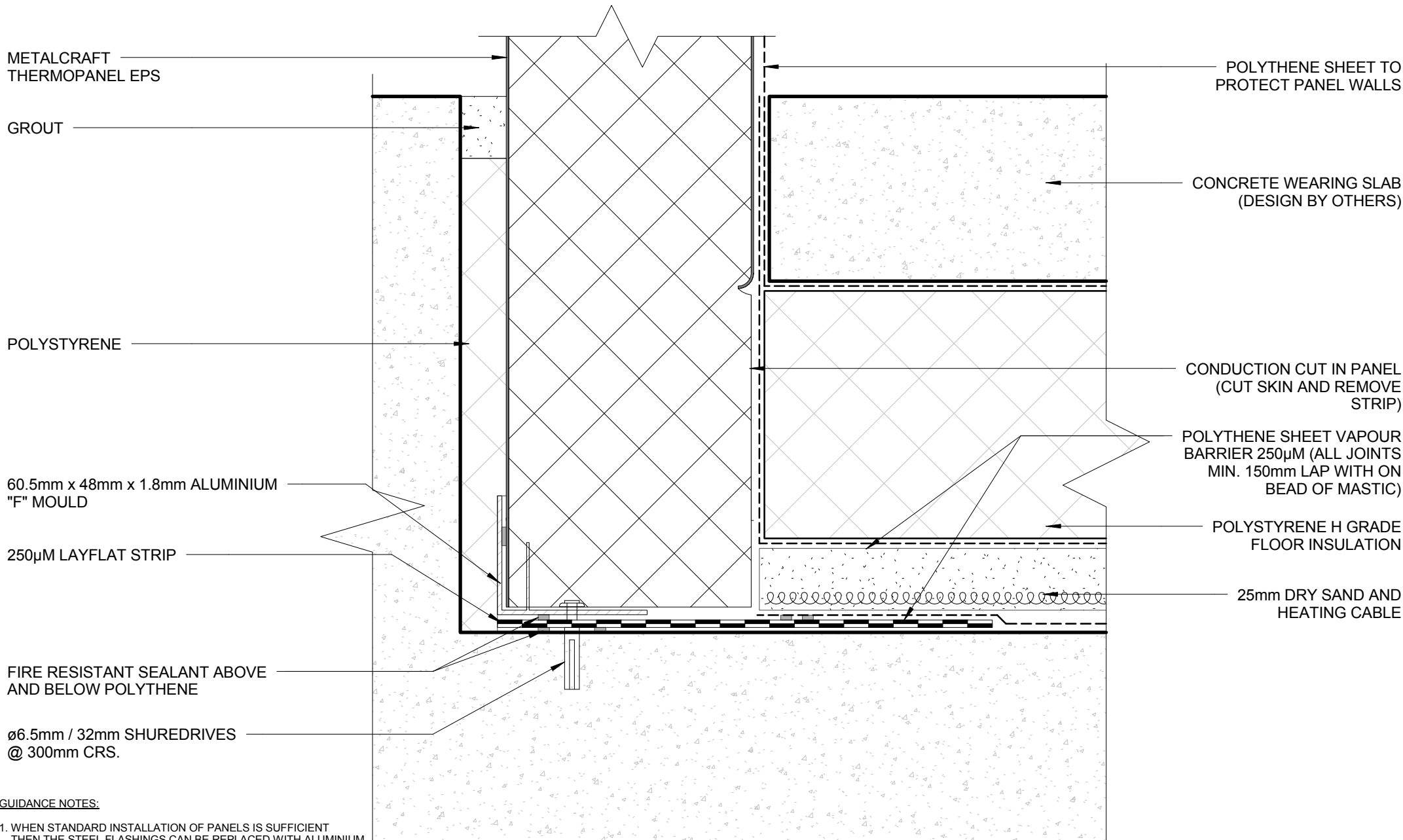
FREEZER FLOOR 01
CONTROLLED ENVIRONMENT



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METALCRAFT
THERMOPANEL EPS

GROUT

POLYSTYRENE

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

250µM LAYFLAT STRIP

FIRE RESISTANT SEALANT ABOVE
AND BELOW POLYTHENE

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

POLYTHENE SHEET TO
PROTECT PANEL WALLS

CONCRETE WEARING SLAB
(DESIGN BY OTHERS)

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

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Thermopanel EPS

Rev. 2.0

Reference TPEPS

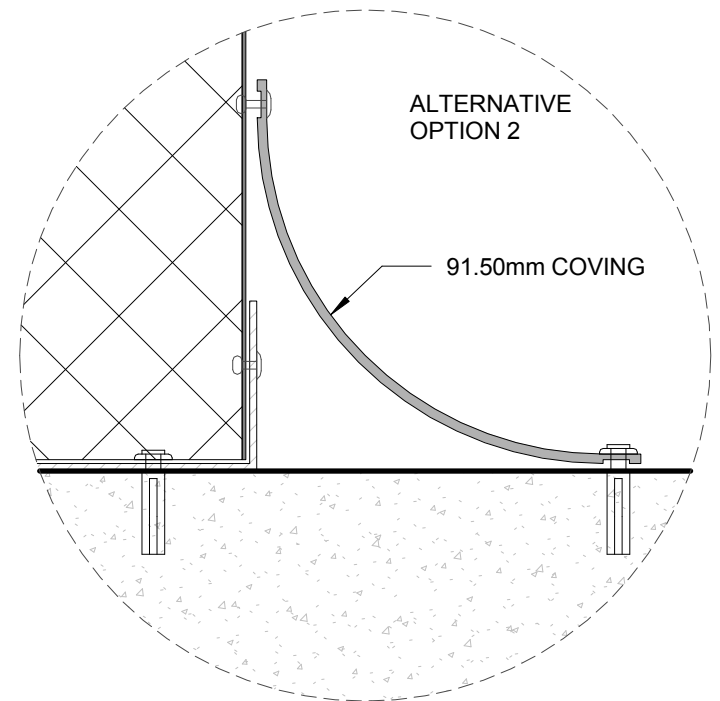
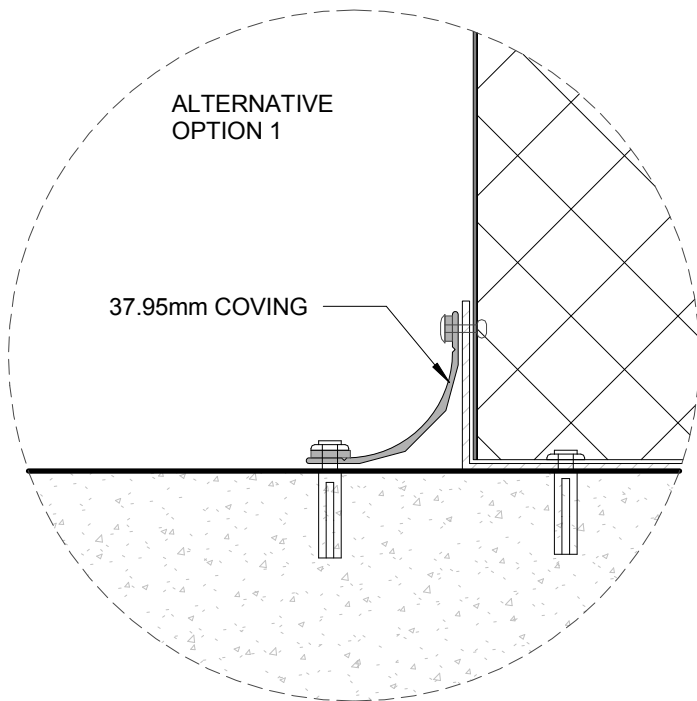
Date 14.12.2018

FREEZER FLOOR 03
CONTROLLED ENVIRONMENT

Scale 1 : 2

Sheet

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Ø5mm/16mm RIVETS @
300mm CRS WITH FIRE
RESISTANT SEALANT

ALUMINIUM COVE BASE

F.F.L.

Ø6.5mm / 32mm SHUREDRIVES
@ 300mm CRS.

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THERMOPANEL EPS

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METALCRAFT
THERMOPANEL EPS

ø5mm RIVETS @ 300mm CRS.
WITH FIRE RESISTANT SEALANT

ALUMINIUM CHANNEL

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

ø5mm RIVETS @ 300mm
CRS.

CONCRETE PLINTH

F.F.L.

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Metalcraft
Insulated Panels

Thermopanel EPS

Rev. 1.1

Reference TPEPS

Date 14.12.2018

PROCESS FLOOR 02
CONTROLLED ENVIRONMENT

Scale 1 : 2

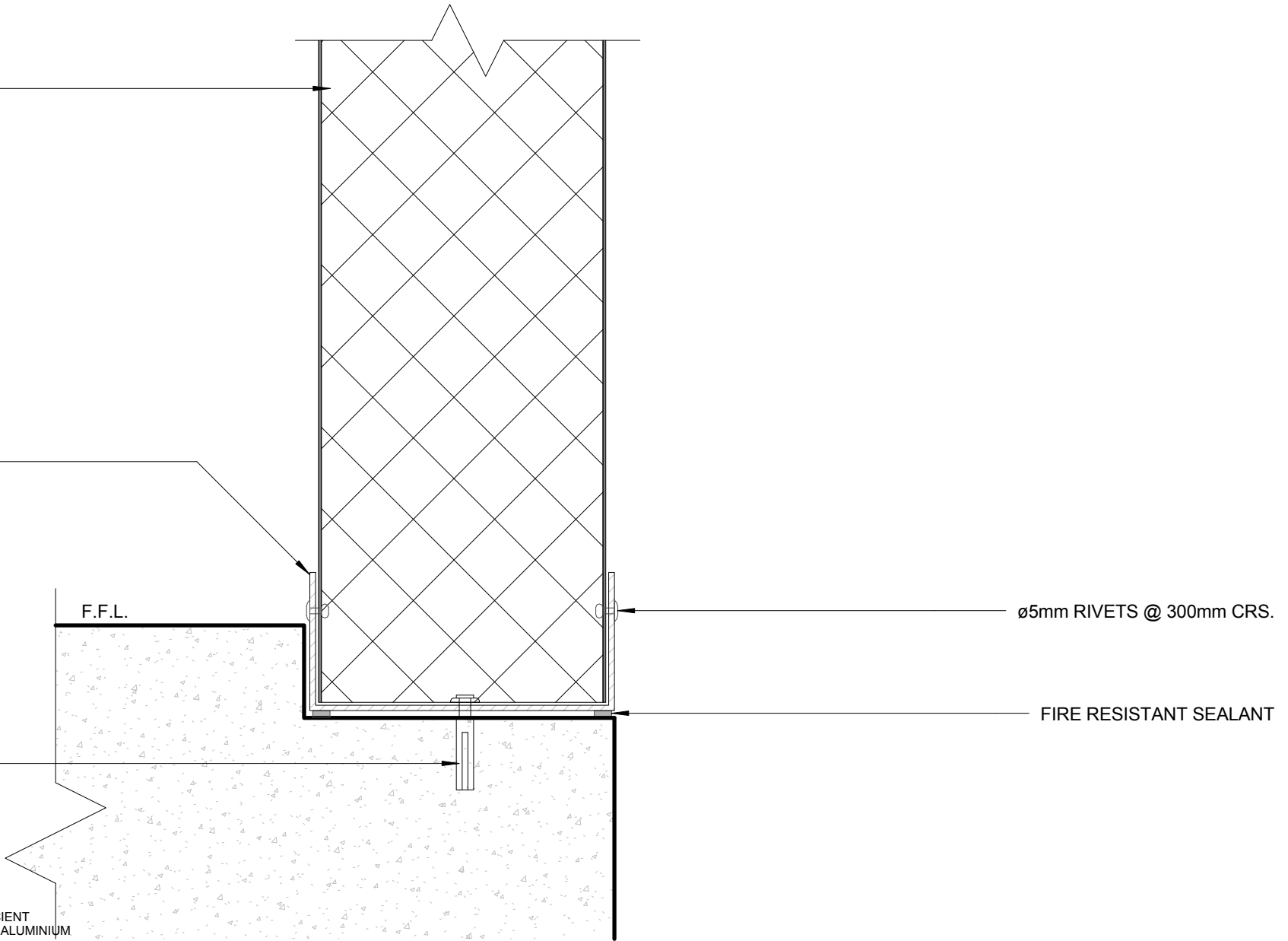
Sheet

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METALCRAFT
THERMOPANEL EPS

ALUMINIUM CHANNEL

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



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Rev. 1.1

Reference TPEPS

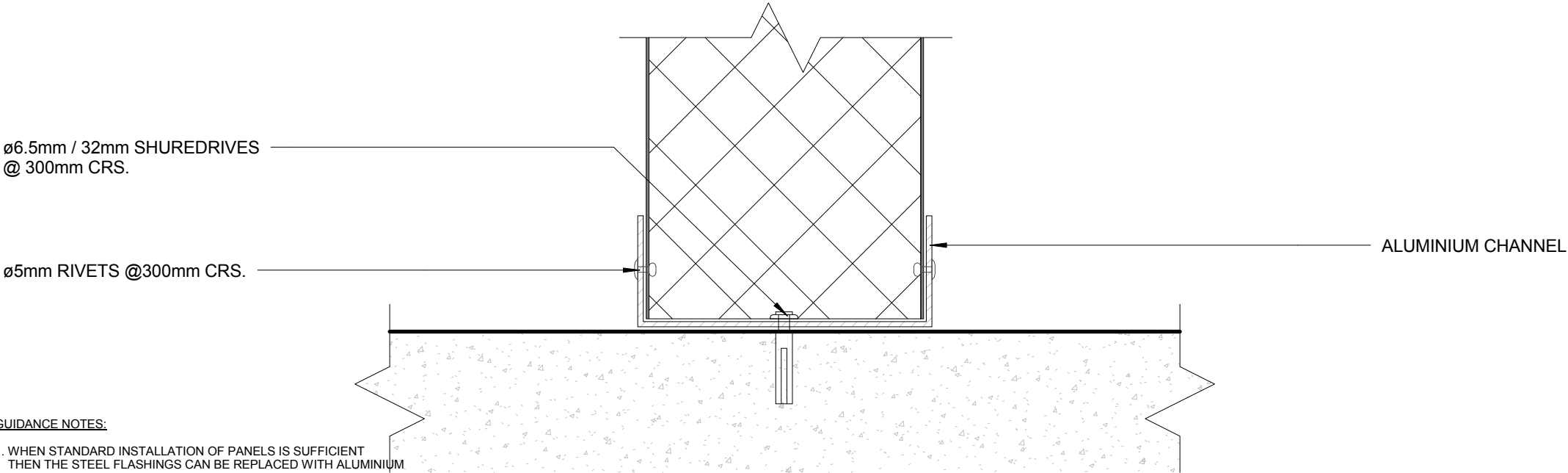
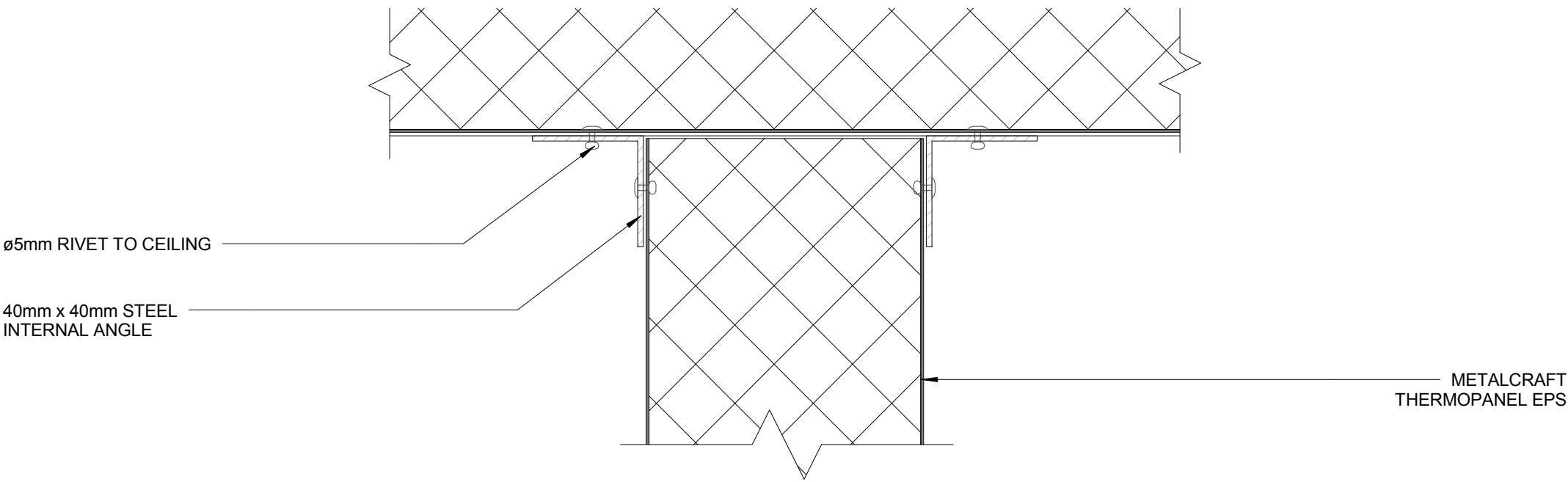
Date 14.12.2018

PROCESS FLOOR 03
CONTROLLED ENVIRONMENT

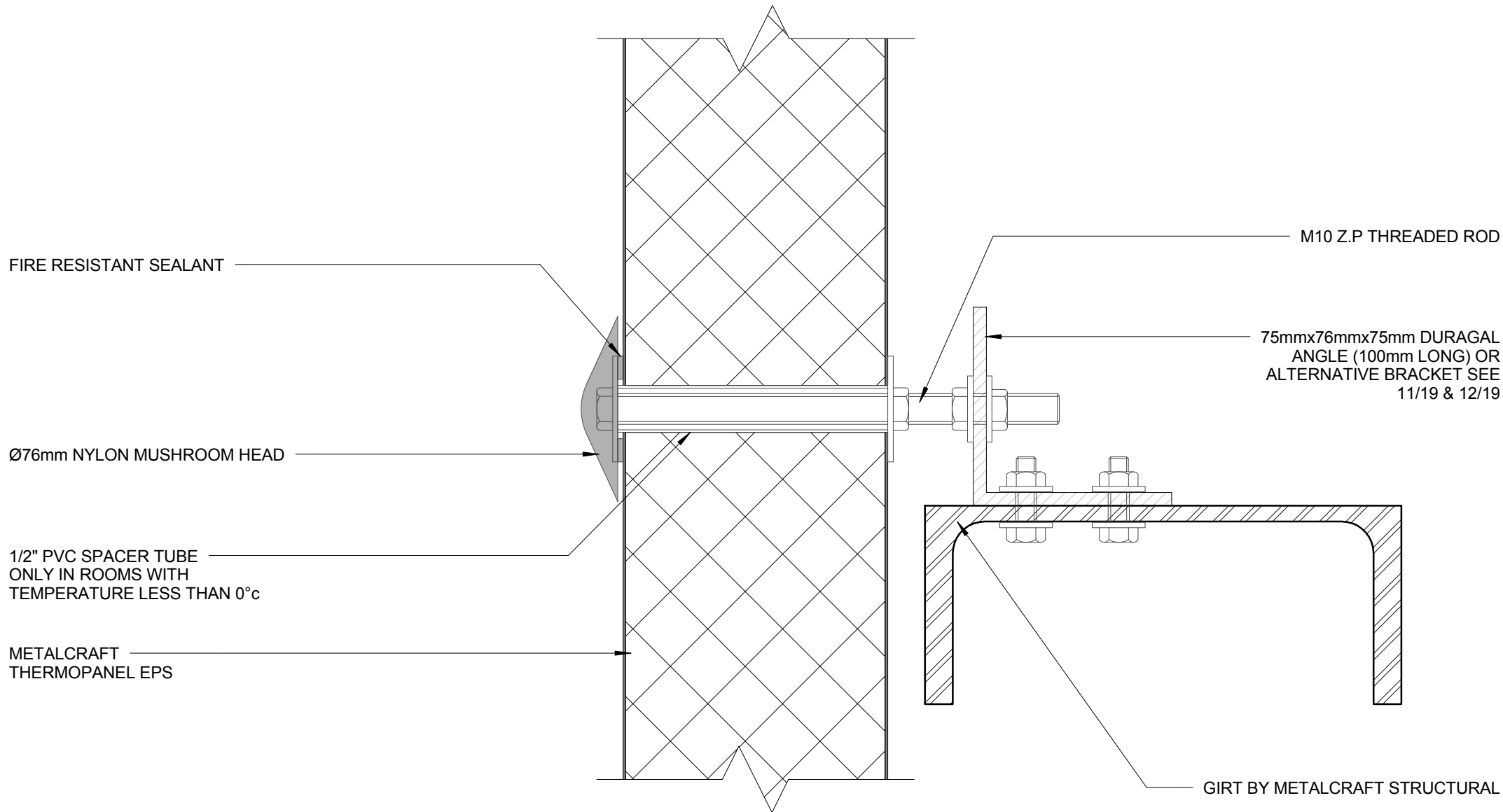
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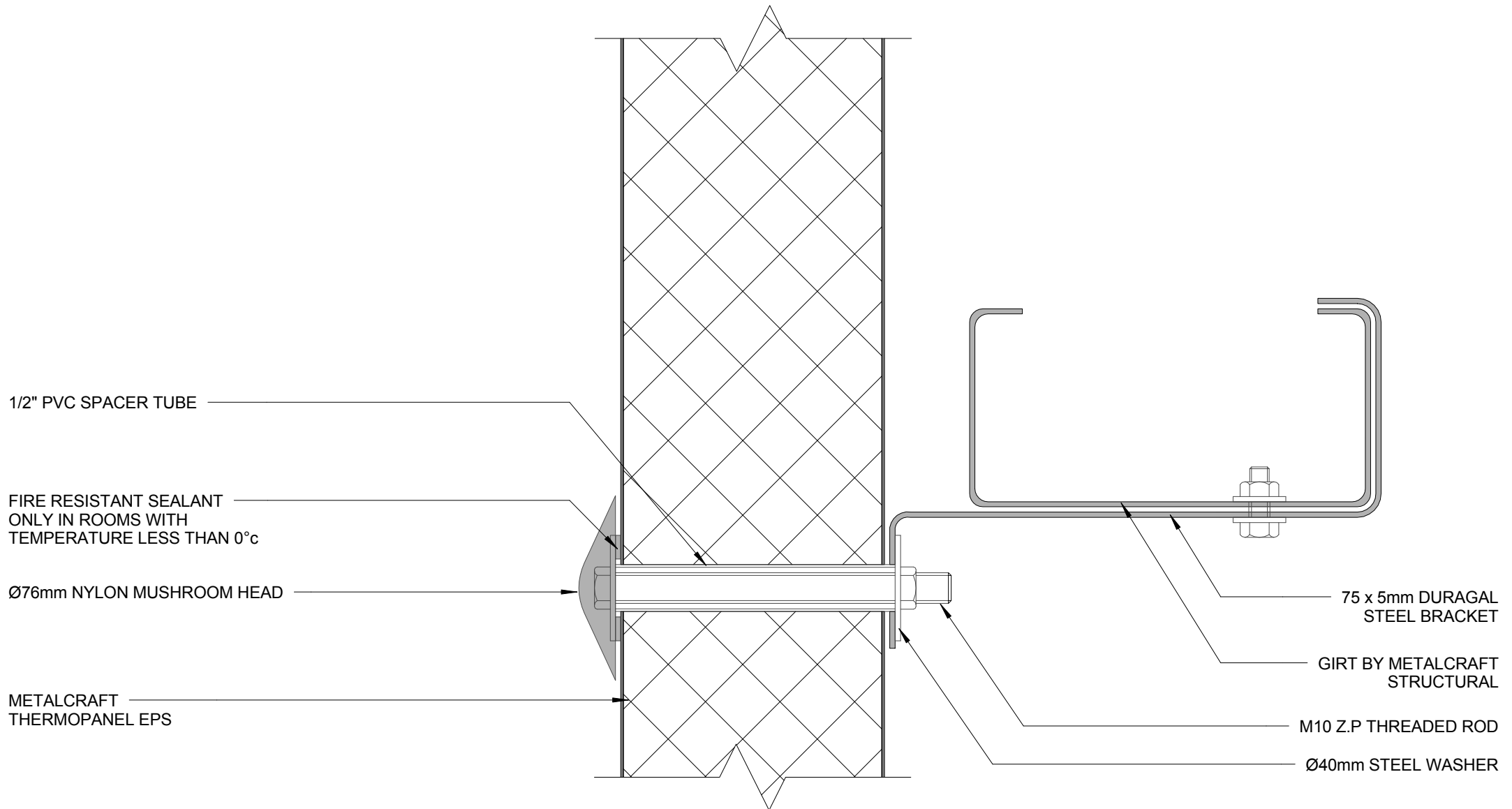
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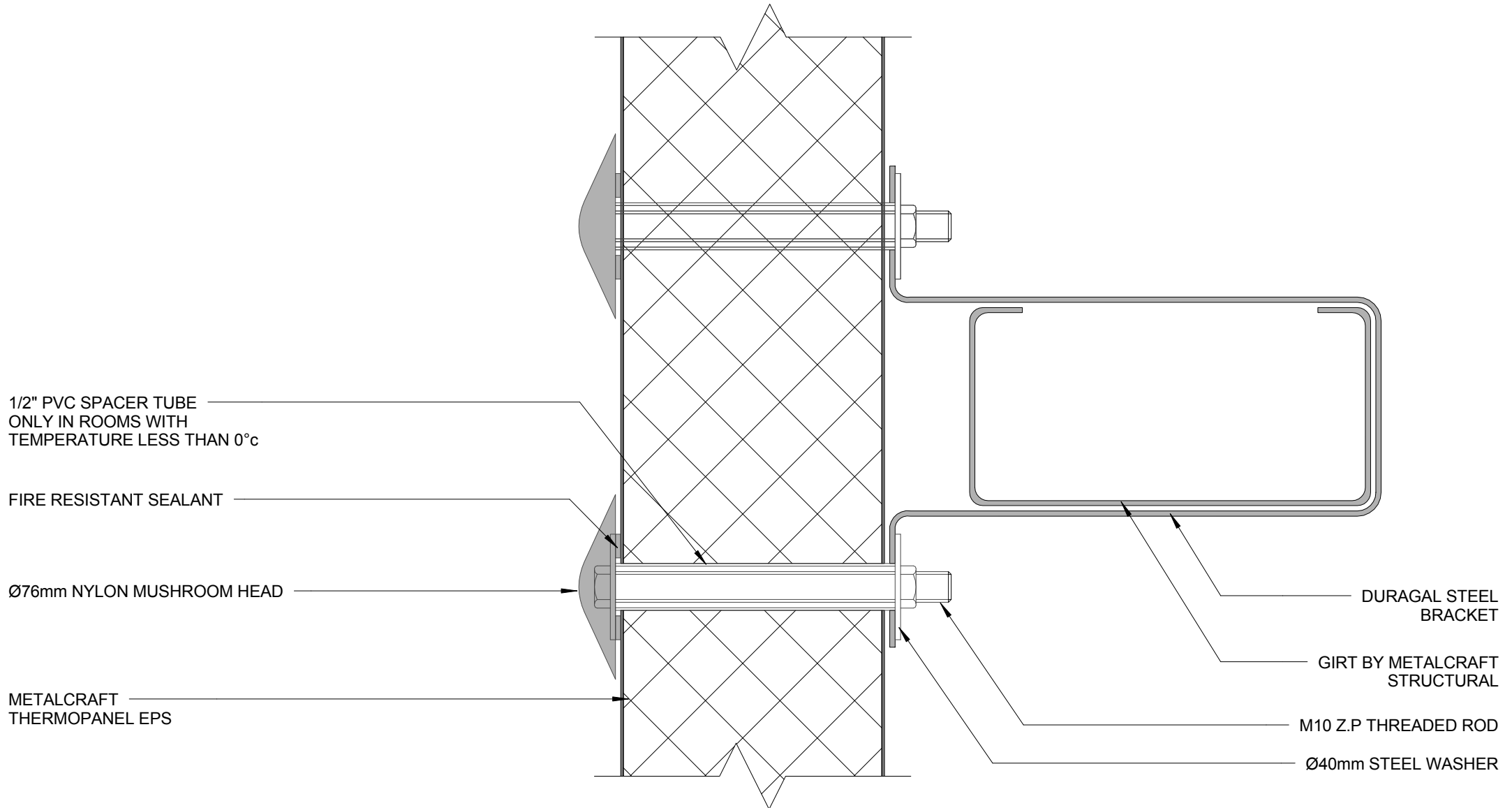
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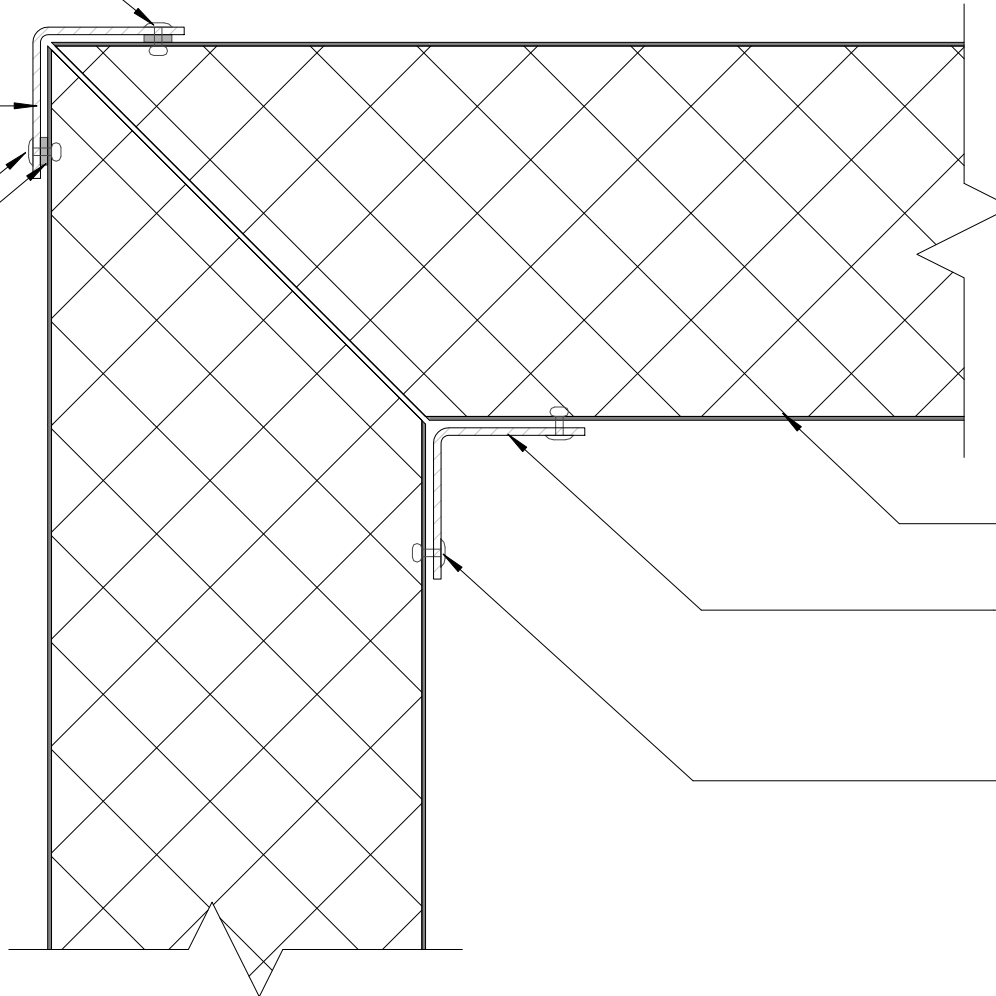
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Ø5mm RIVETS @ 300mm CRS

40mm x 40mm 0.55mm MIN.
FOLDED GALVANIZED
STEEL ANGLE

Ø5mm RIVETS @ 300mm CRS.
WITH SEALANT

FIRE RESISTANT SEALANT



METALCRAFT THERMOPANEL
EPS

40mm x 40mm 0.55mm MIN. FOLDED
GALVANIZED STEEL ANGLE NO SEALANT

Ø5mm RIVETS @ 300mm CRS.

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VERTICAL CORNER COOLROOM / FREEZER

Thermopanel EPS

Rev. 1.1

CONTROLLED ENVIRONMENT

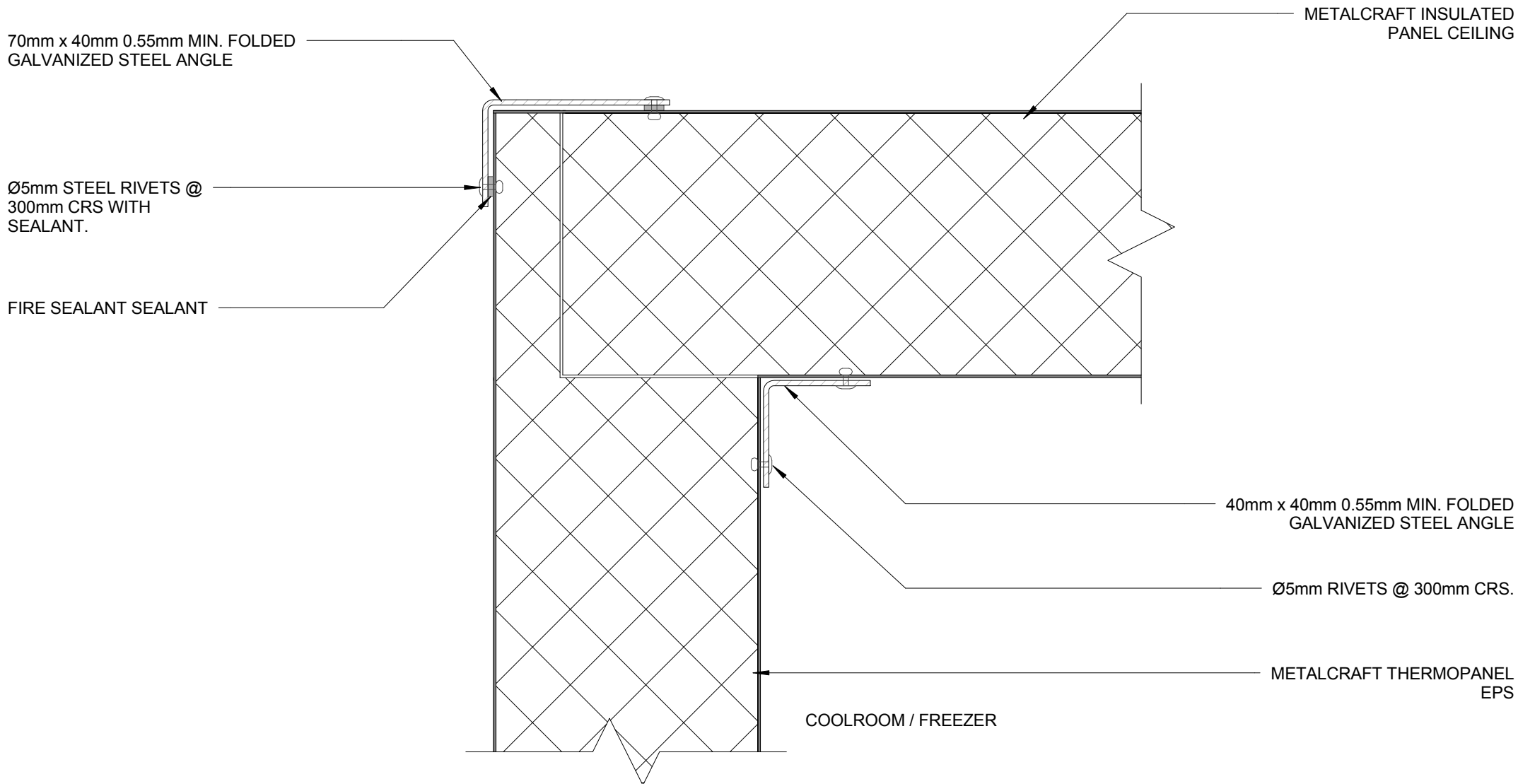
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Date 14.12.2018

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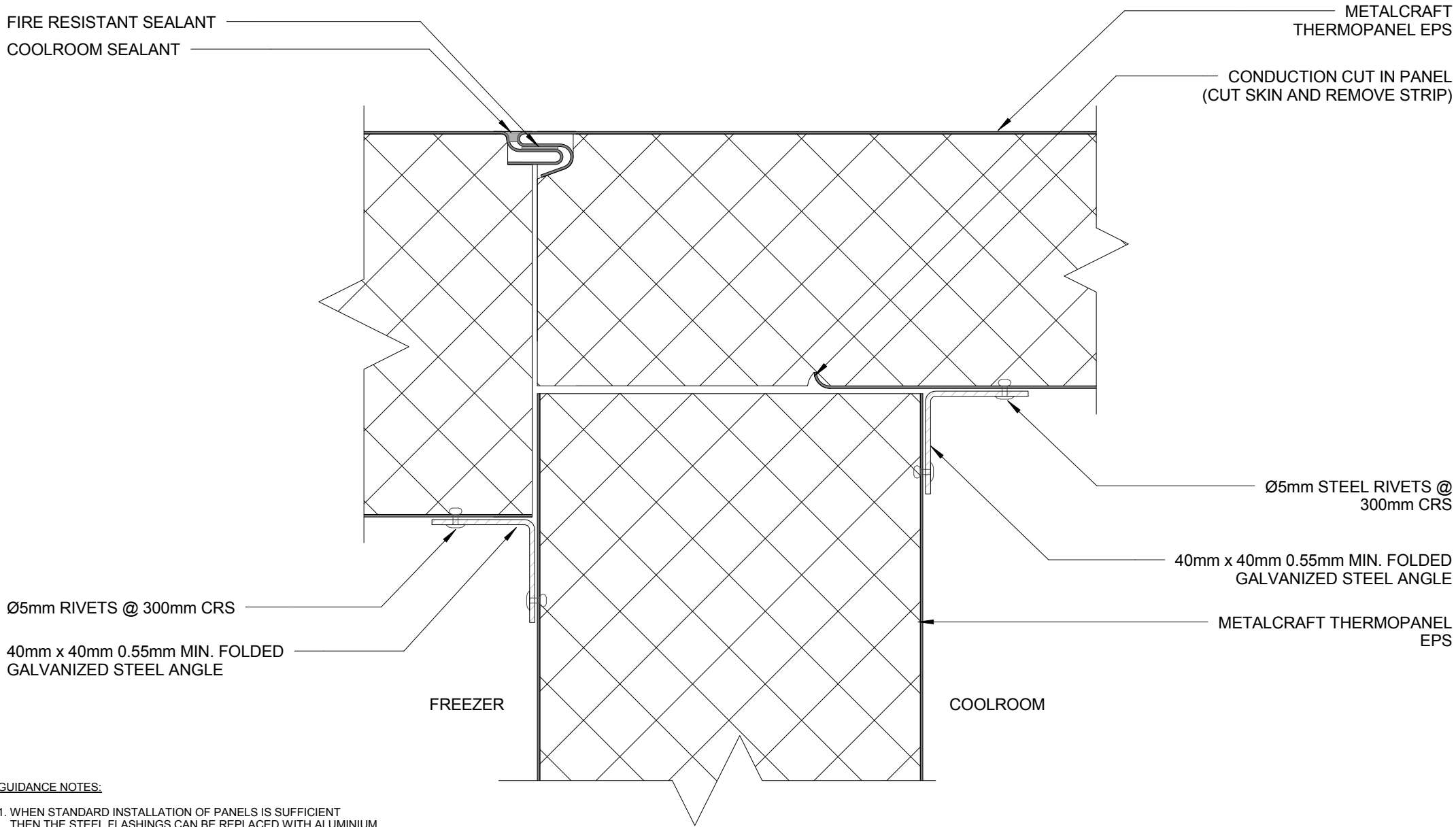
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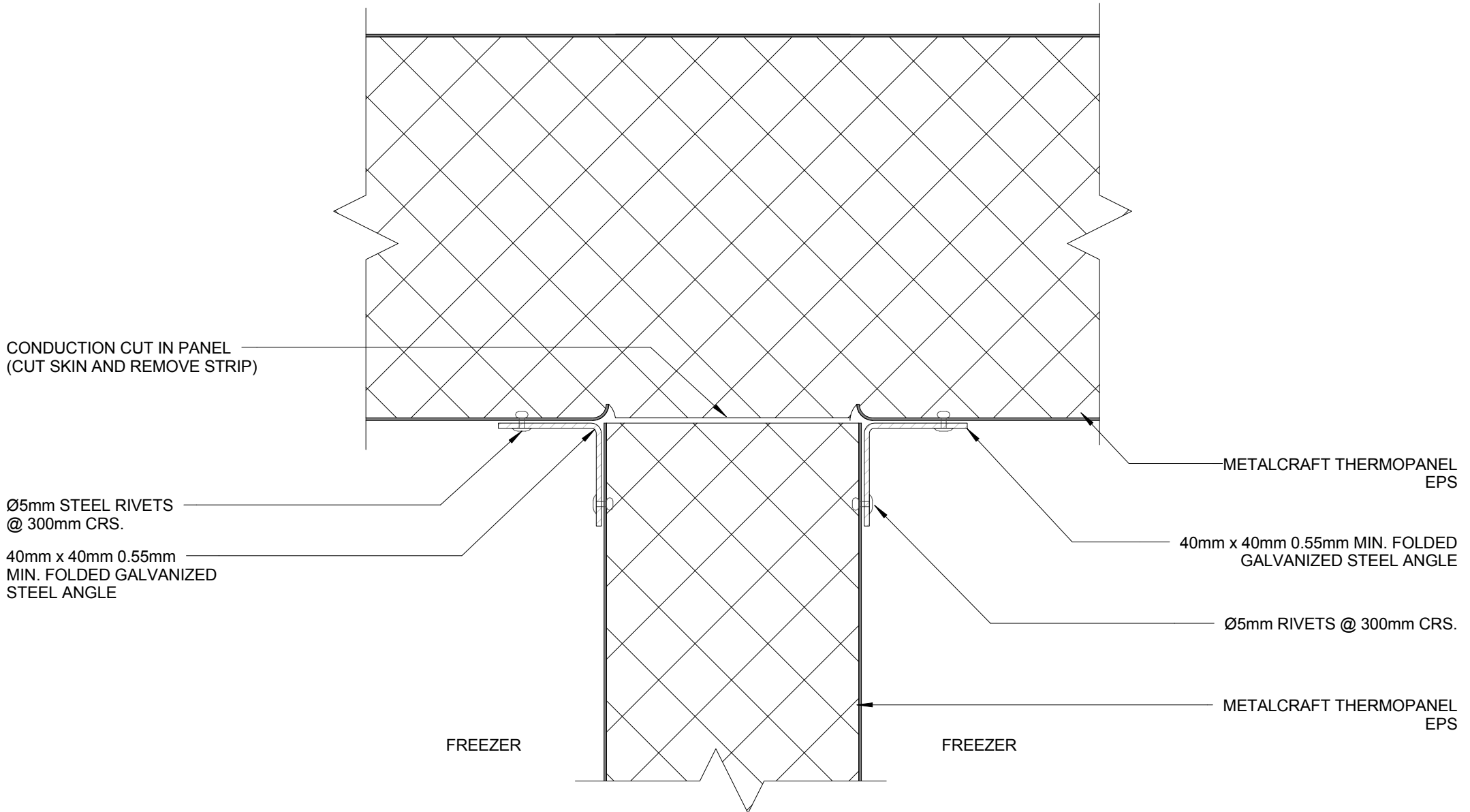


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COOLROOM / FREEZER CONNECTION 01

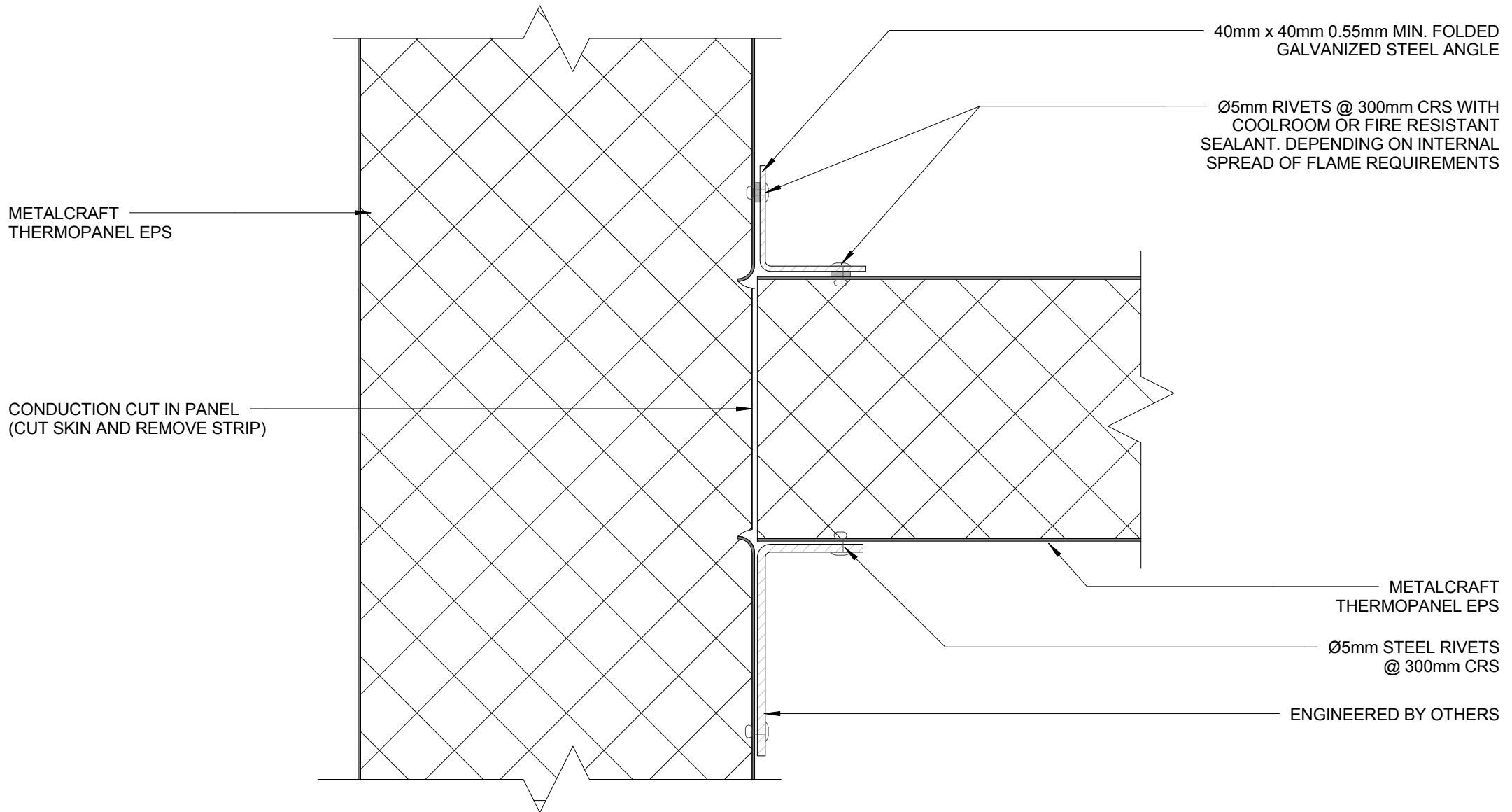
Thermopanel EPS Rev. 1.1 CONTROLLED ENVIRONMENT

Reference TPEPS Date 14.12.2018 Scale 1 : 2 Sheet 15 / 21



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COOLROOM / FREEZER CEILING DETAIL 01

Thermopanel EPS

Rev. 2.0

CONTROLLED ENVIRONMENT

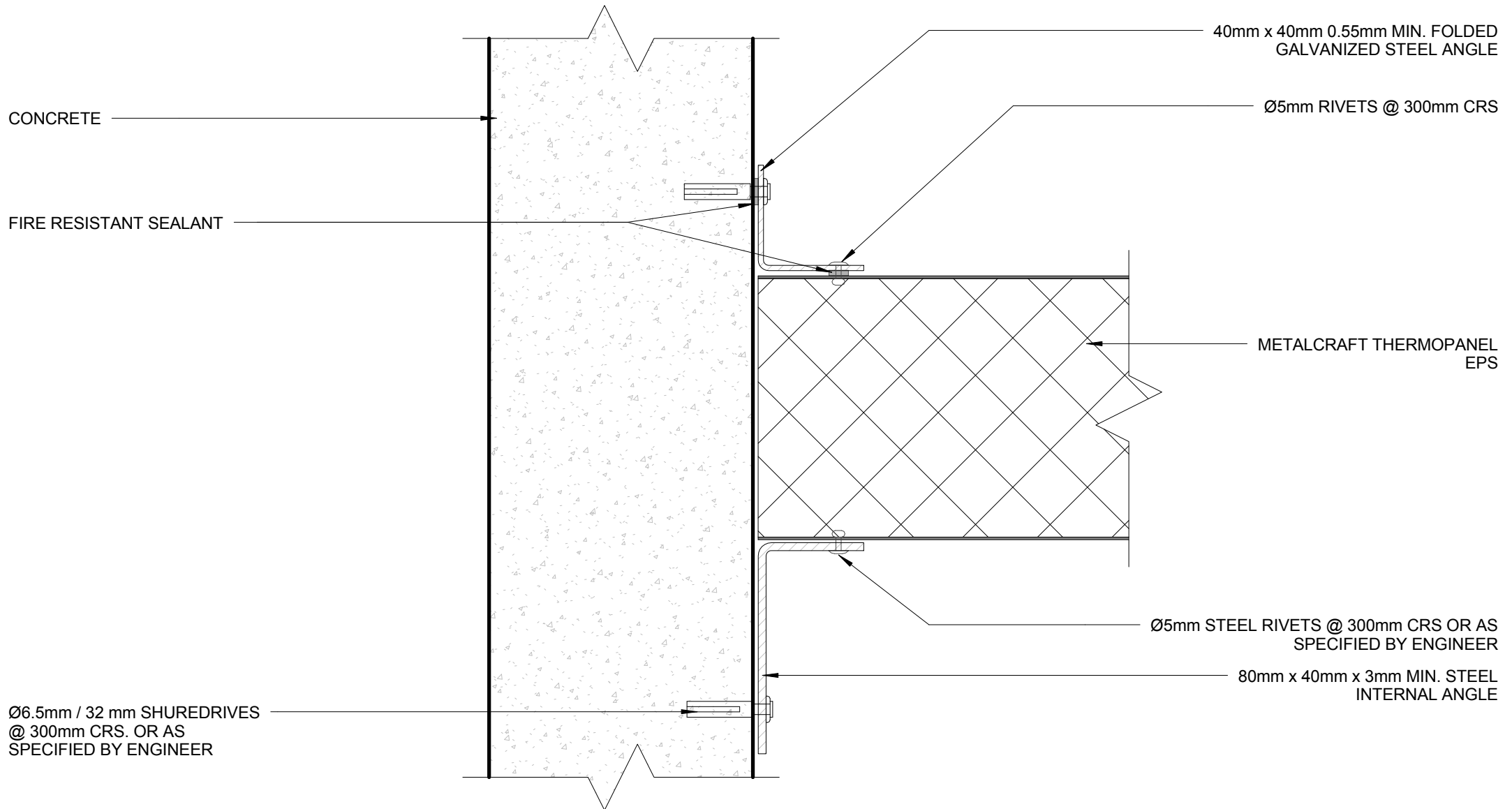
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Date 14.12.2018

Scale 1 : 2

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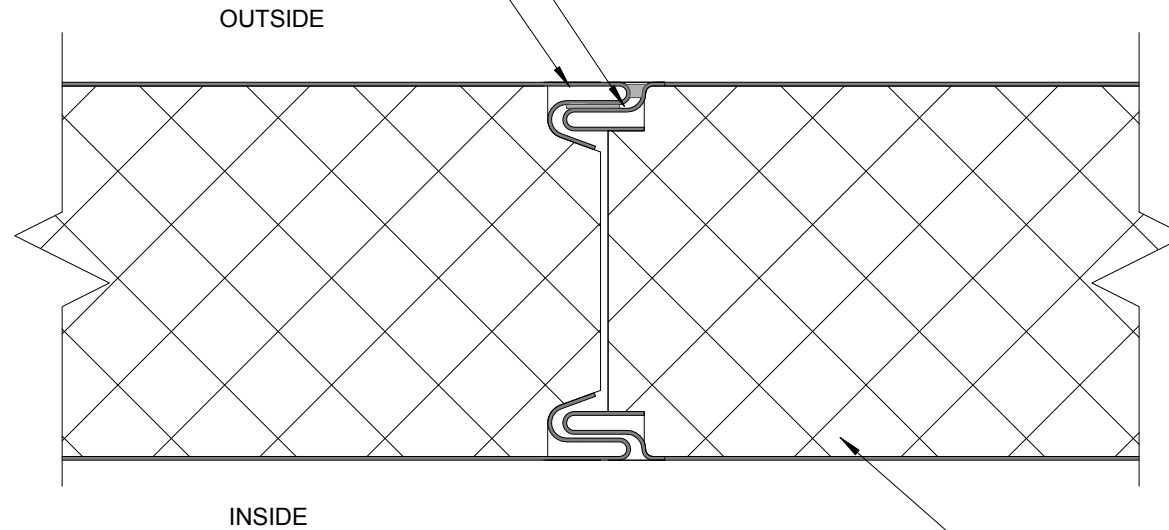


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FIRE RESISTANT SEALANT

COOLROOM SEALANT



METALCRAFT
THERMOPANEL

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TYPICAL WALL JOINT FREEZER / COOLROOM 01

Thermopanel EPS

Rev. 1.1

CONTROLLED ENVIRONMENT

Reference TPEPS

Date 14.12.2018

Scale 1 : 2

Sheet

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70mm x 40mm 0.55mm MIN. FOLDED GALVANIZED STEEL ANGLE

METALCRAFT INSULATED PANEL CEILING

Ø5mm STEEL RIVETS @ 300mm CRS WITH SEALANT.

FIRE SEALANT SEALANT

40mm x 40mm 0.55mm MIN. FOLDED GALVANIZED STEEL ANGLE

Ø5mm RIVETS @ 300mm CRS.

METALCRAFT THERMOPANEL EPS

COOLROOM

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**CLEAN ROOM ROOF TO WALL
CONTROLLED ENVIRONMENT**

Metalcraft
Insulated Panels

Thermopanel EPS

Rev. 1.0

Reference TPEPS

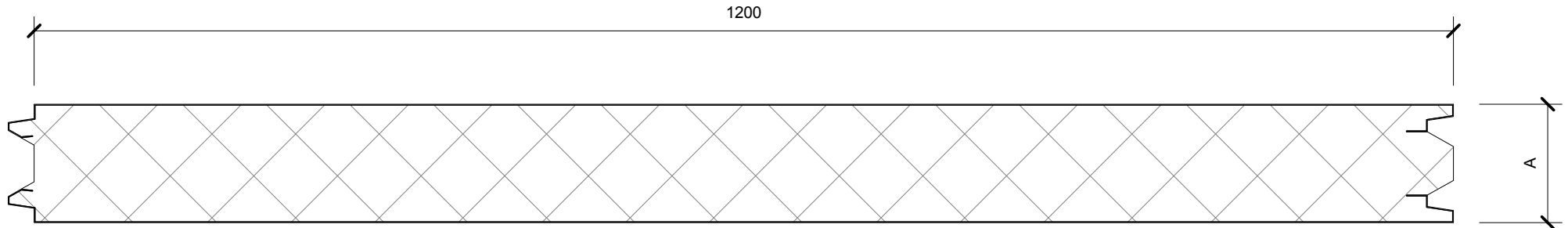
Date 14.12.2018

Scale 1 : 2

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THERMOPANEL EPS



FLAT FINISH - AVAILABE BOTH SIDES

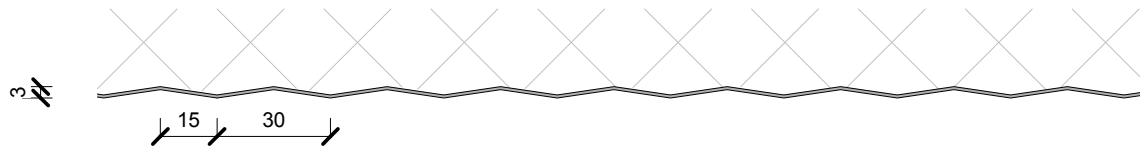
SCALE @ 1:5

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

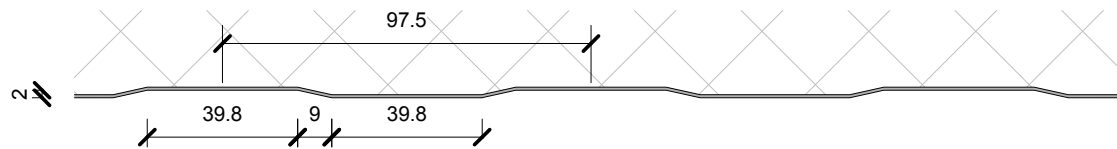
INTERNAL LINER FINISHES

SCALE @ 1:2

SILKLINE FINISH
- ONE SIDE ONLY



MESA FINISH
- ONE SIDE ONLY



RIBBED FINISH
- AVAILABLE BOTH SIDES

