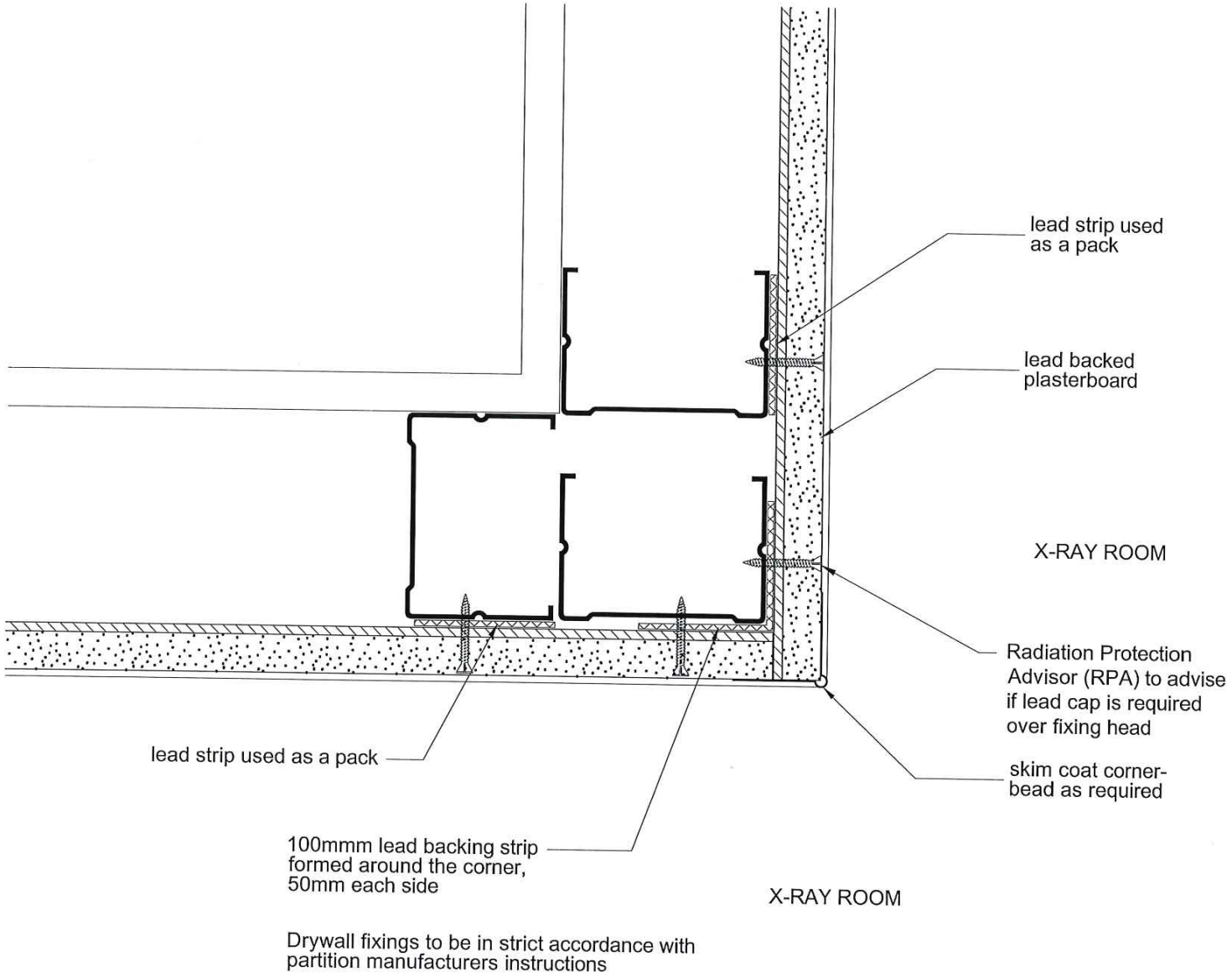


Drywall fixings to be in strict accordance with partition manufacturers instructions

REVISION SCHEDULE:

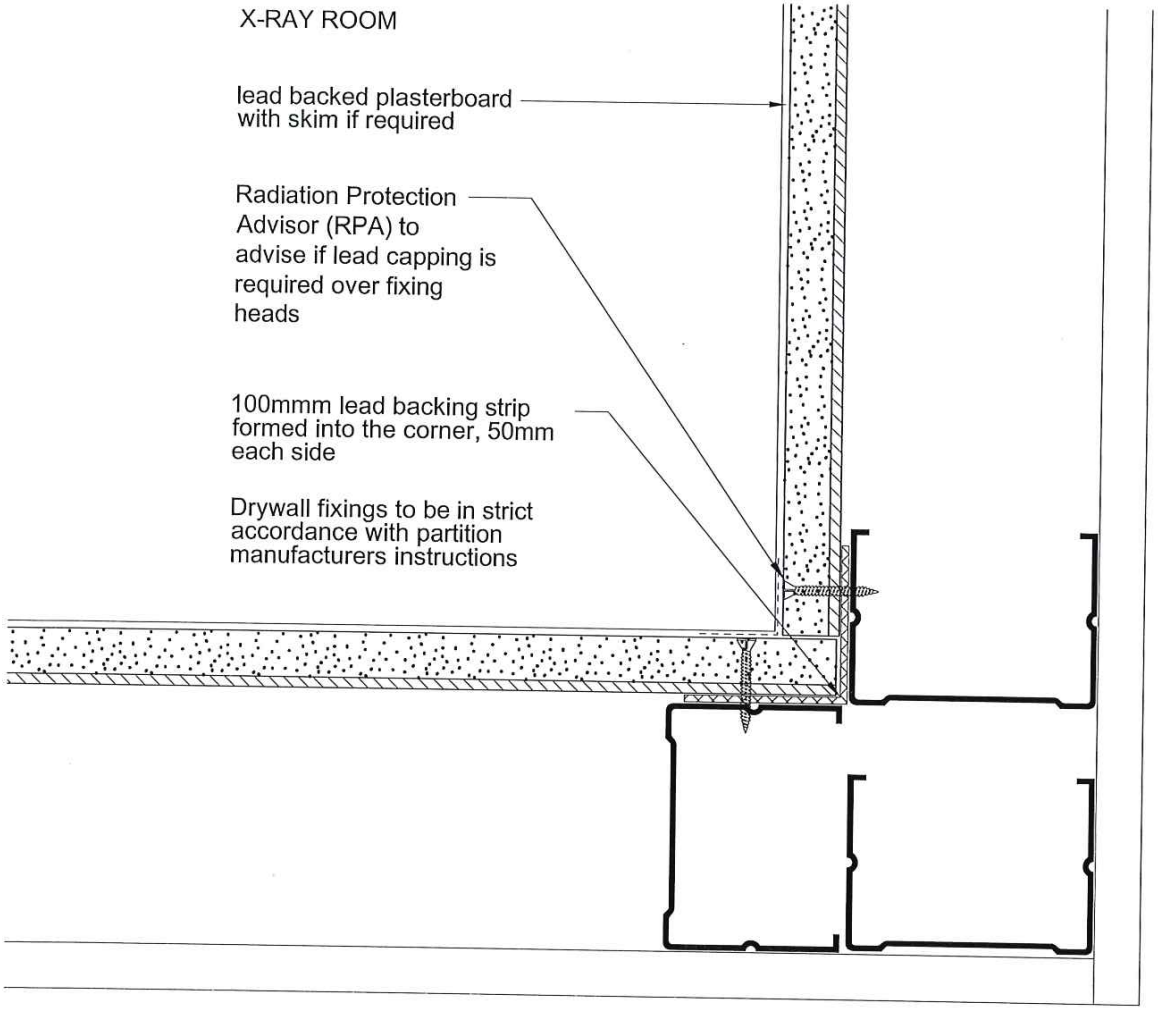
Rev No.	Description.	Date.

MidlandLead Healthcare

DETAIL DESCRIPTION:

LEAD BACKED PLASTERBOARD FITTING DETAILS: 90 DEGREE EXTERNAL CORNER

DATE:	02.12.15
SCALE:	1:2
DRAWN:	HAA_KT
DRAWING NO:	D01



REVISION SCHEDULE:

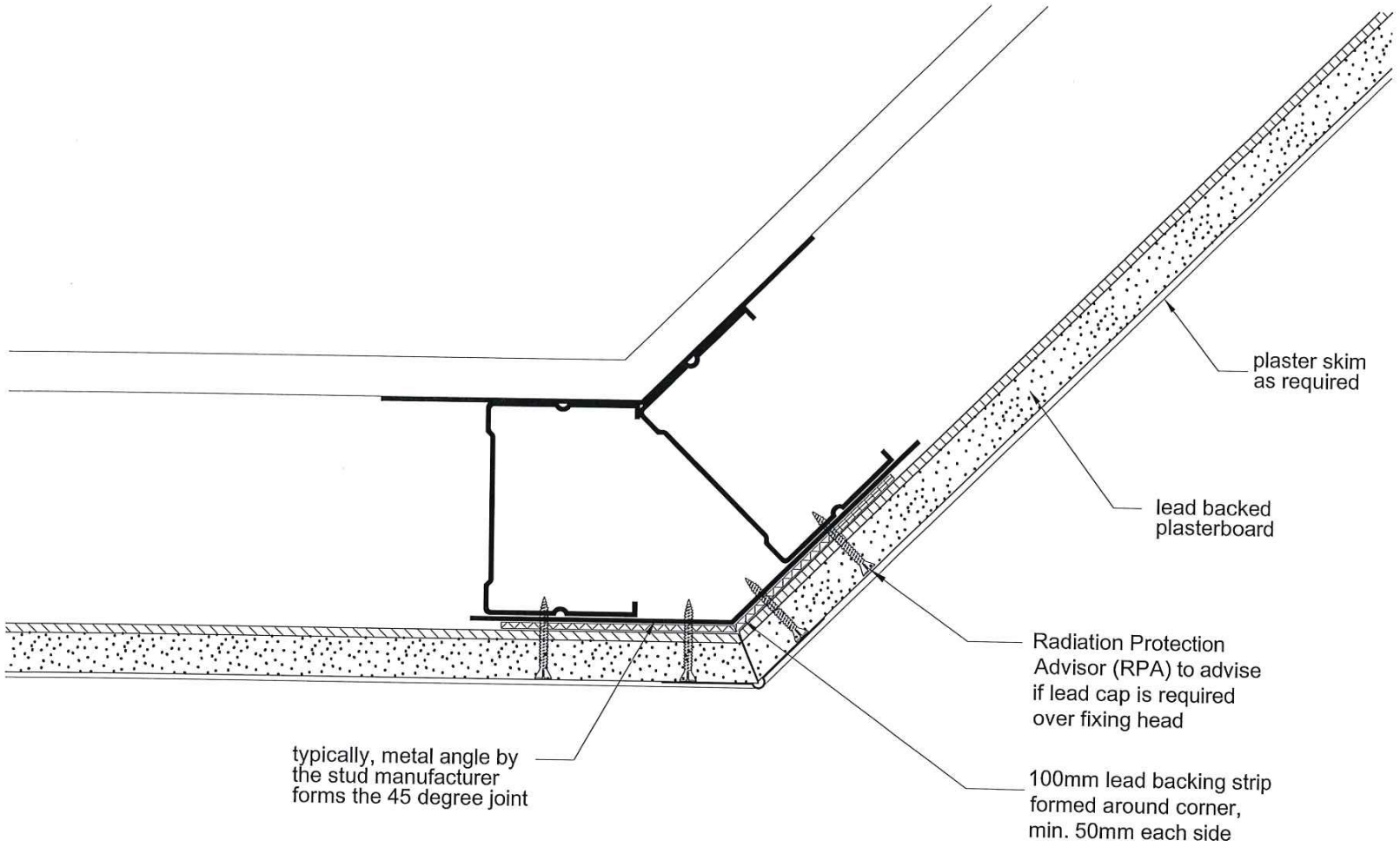
Rev No.	Description.	Date.

MidlandLead Healthcare

DETAIL DESCRIPTION:

LEAD BACKED PLASTERBOARD FITTING DETAILS: 90 DEGREE INTERNAL CORNER

DATE:	02.12.15
SCALE:	1:2
DRAWN:	HAA_KT
DRAWING NO:	D02



Drywall fixings to be in strict accordance with partition manufacturers instructions

X-RAY ROOM

REVISION SCHEDULE:

Rev No.	Description.	Date.

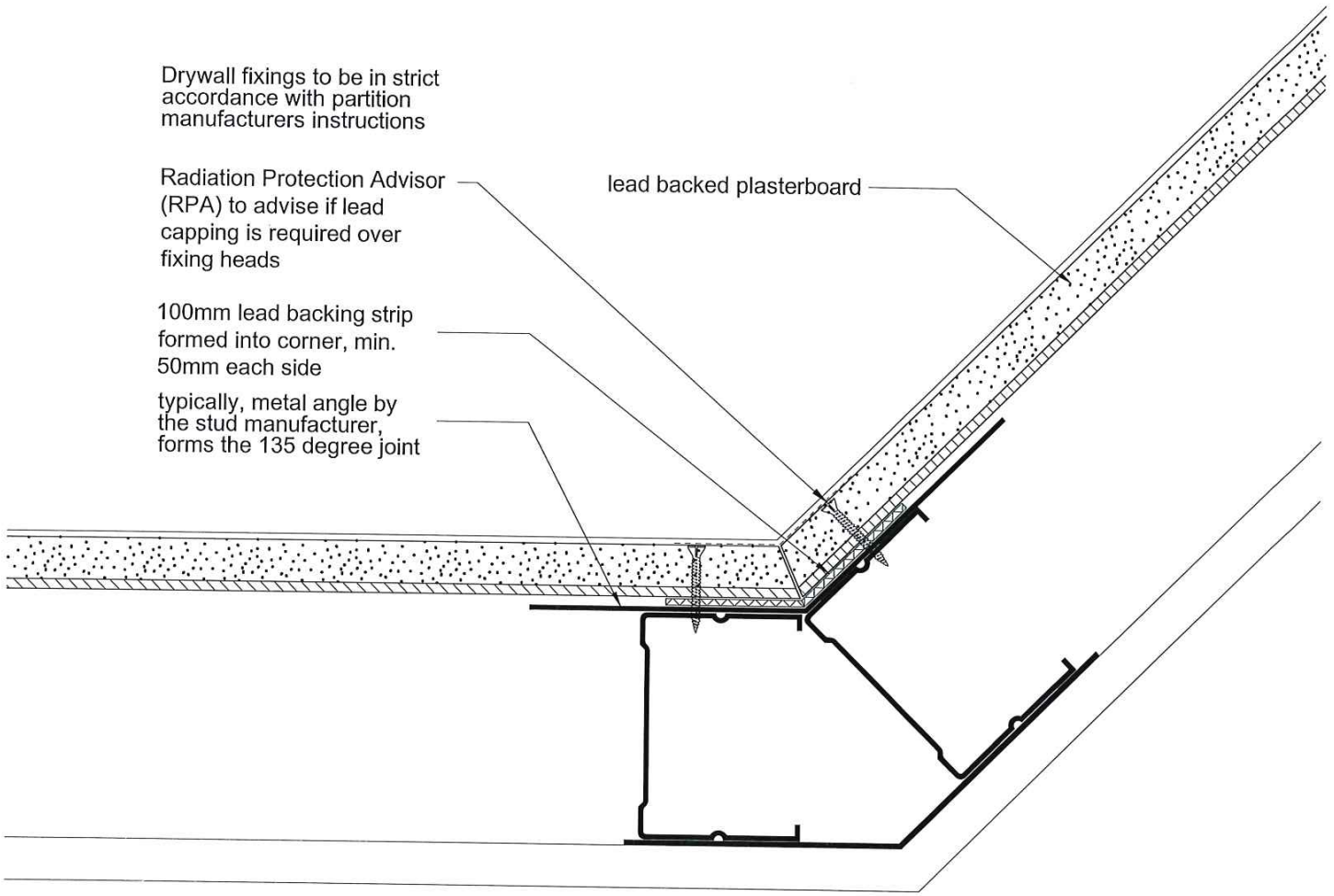
MidlandLead Healthcare

DETAIL DESCRIPTION:

LEAD BACKED PLASTERBOARD FITTING DETAILS: 135 DEGREE EXTERNAL CORNER

DATE:	02.12.15
SCALE:	1:2
DRAWN:	HAA_KT
DRAWING NO:	D03

X-RAY ROOM



REVISION SCHEDULE:

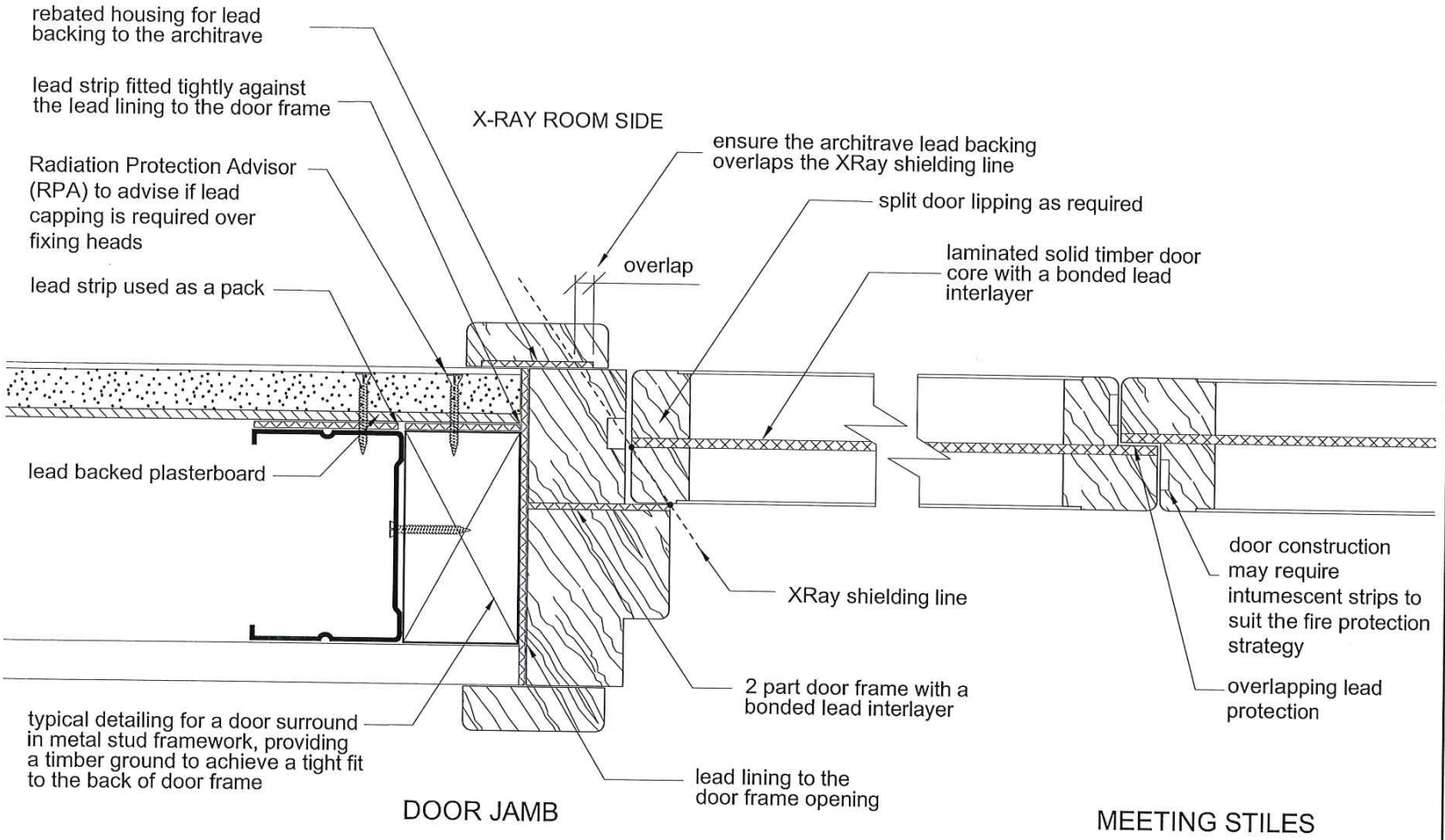
Rev No.	Description.	Date.

MidlandLead Healthcare

DETAIL DESCRIPTION:

LEAD BACKED PLASTERBOARD FITTING DETAILS: 135 DEGREE INTERNAL CORNER

DATE:	02.12.15
SCALE:	1:2
DRAWN:	HAA_KT
DRAWING NO:	D04



Drywall fixings to be in strict accordance with manufacturers instructions

REVISION SCHEDULE:

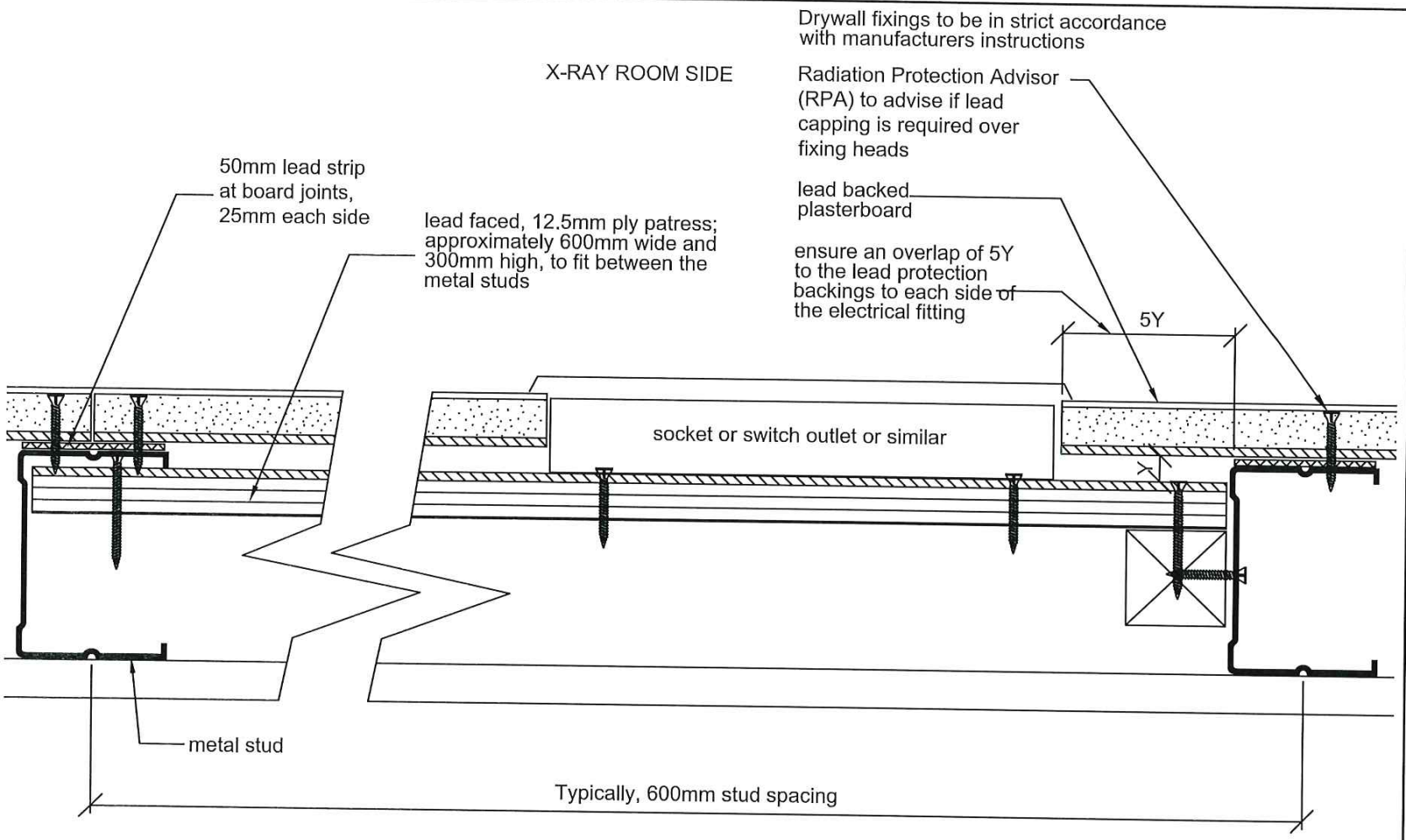
Rev No.	Description.	Date.

MidlandLead Healthcare

DETAIL DESCRIPTION:

LEAD BACKED PLASTERBOARD FITTING DETAILS: TYPICAL TIMBER DOOR JAMB & MEETING STILES

DATE:	02.12.15
SCALE:	1:2
DRAWN:	HAA_KT
DRAWING NO:	D05



REVISION SCHEDULE:		
Rev No.	Description.	Date.
A	Ply patress thickness reduced	16.12.20

MidlandLead

DETAIL DESCRIPTION:

LEAD BACKED PLASTERBOARD FITTING DETAILS: TYPICAL ELECTRICAL OUTLET OR SWITCH

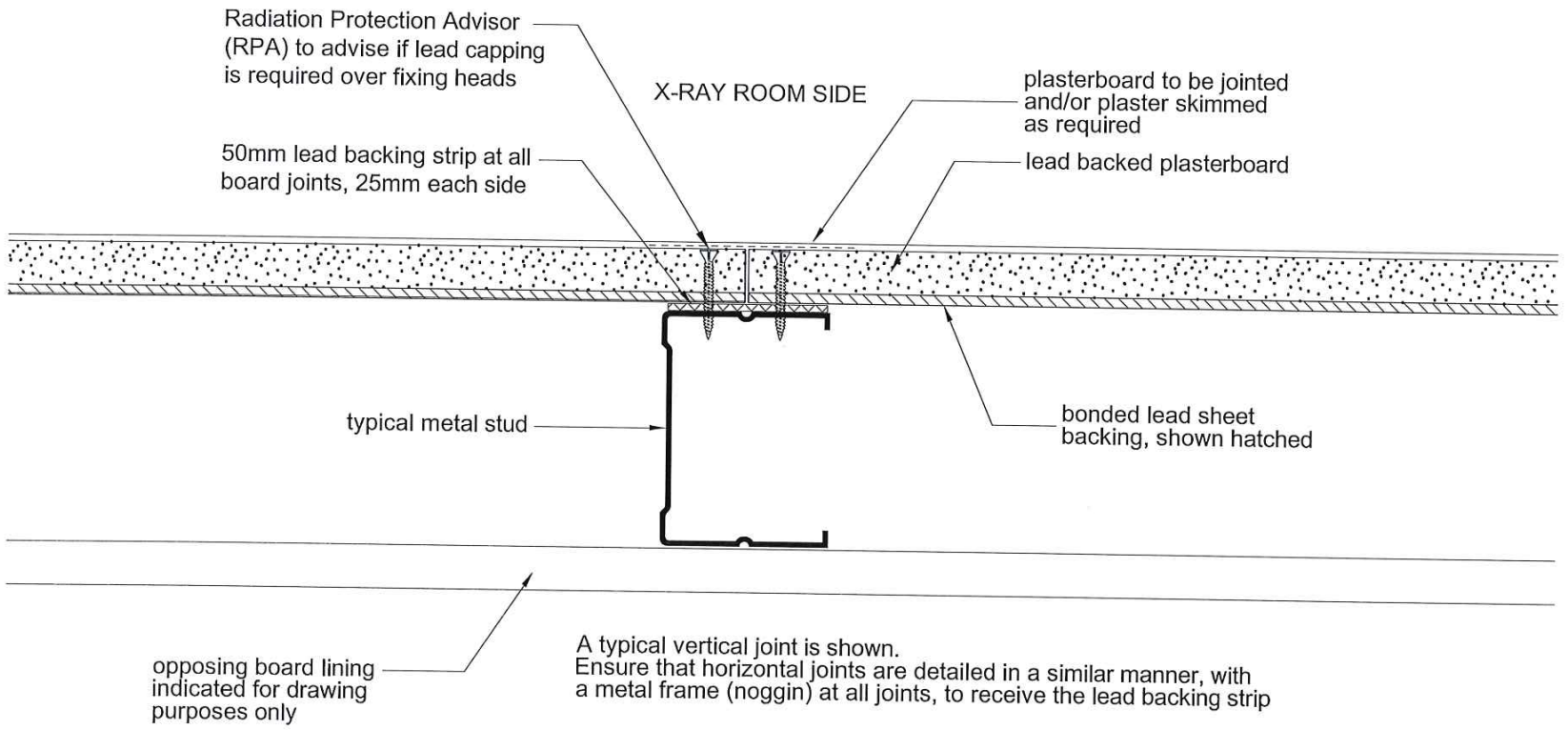
DATE:	02.12.15
SCALE:	1:2
DRAWN:	HAA_KT
DRAWING NO:	D06 A

A typical metal stud partition construction: lined on the X-Ray side with lead backed plasterboard.

The thickness of the lead protection is to be determined by the appointed Radiation Protection Advisor (RPA).

If two layers of board are required for fire/acoustic purposes, the lead backed board should be the first layer to be applied to the stud framing.

Drywall fixings to be in strict accordance with partition manufacturers instructions



REVISION SCHEDULE:

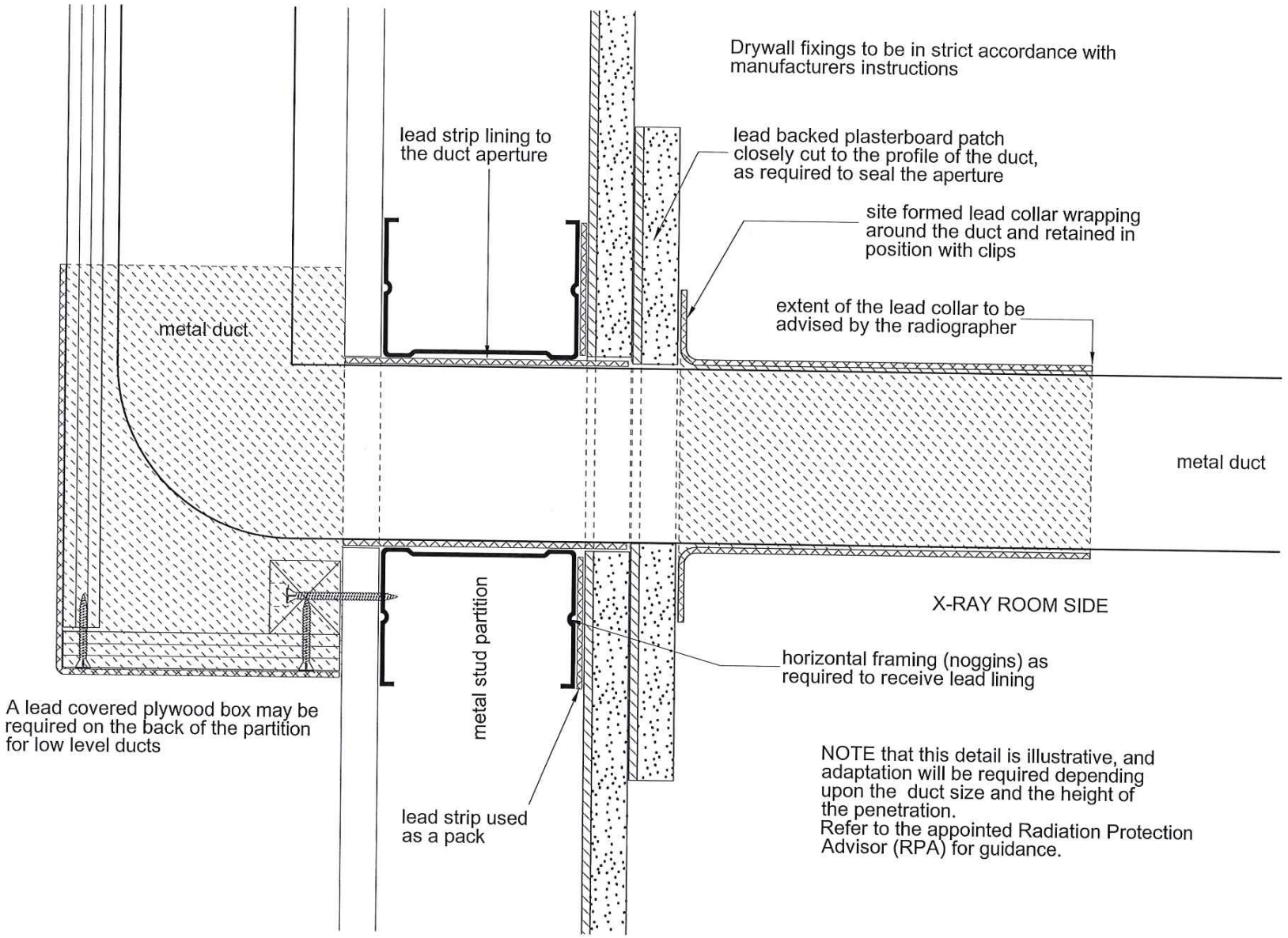
Rev No.	Description.	Date.

MidlandLead Healthcare

DETAIL DESCRIPTION:

LEAD BACKED PLASTERBOARD FITTING DETAILS: TYPICAL BOARD JOINT

DATE:	02.12.15
SCALE:	1:2
DRAWN:	HAA_KT
DRAWING NO:	D07



REVISION SCHEDULE:

Rev No.	Description.	Date.

MidlandLead Healthcare

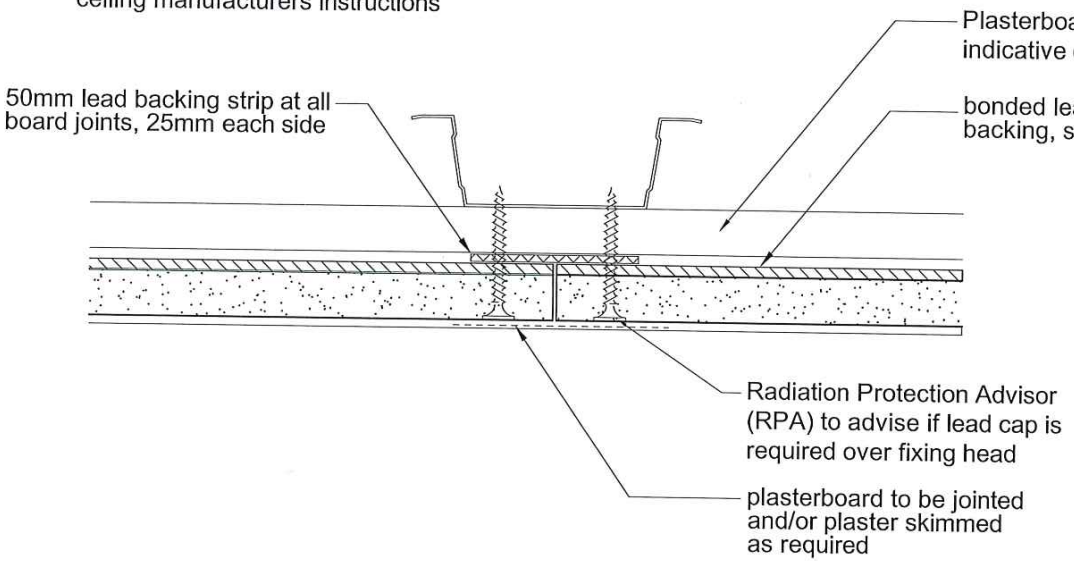
DETAIL DESCRIPTION:

LEAD BACKED PLASTERBOARD FITTING DETAILS: DUCT PENETRATION

DATE:	02.12.15
SCALE:	1:2
DRAWN:	HAA_KT
DRAWING NO:	D08

NOTE: Ceiling system suspension grid shown indicative only and grid centres and fixing spec will be dependant on maximum load of total of board linings, any insulation and finish plaster.

Drywall fixings to be in strict accordance with ceiling manufacturers instructions



X-RAY ROOM SIDE

A typical suspended ceiling construction: lined with lead backed plasterboard.

The thickness of the lead protection is to be determined by the appointed Radiation Protection Advisor (RPA)

REVISION SCHEDULE:

Rev No.	Description.	Date.

MidlandLead Healthcare

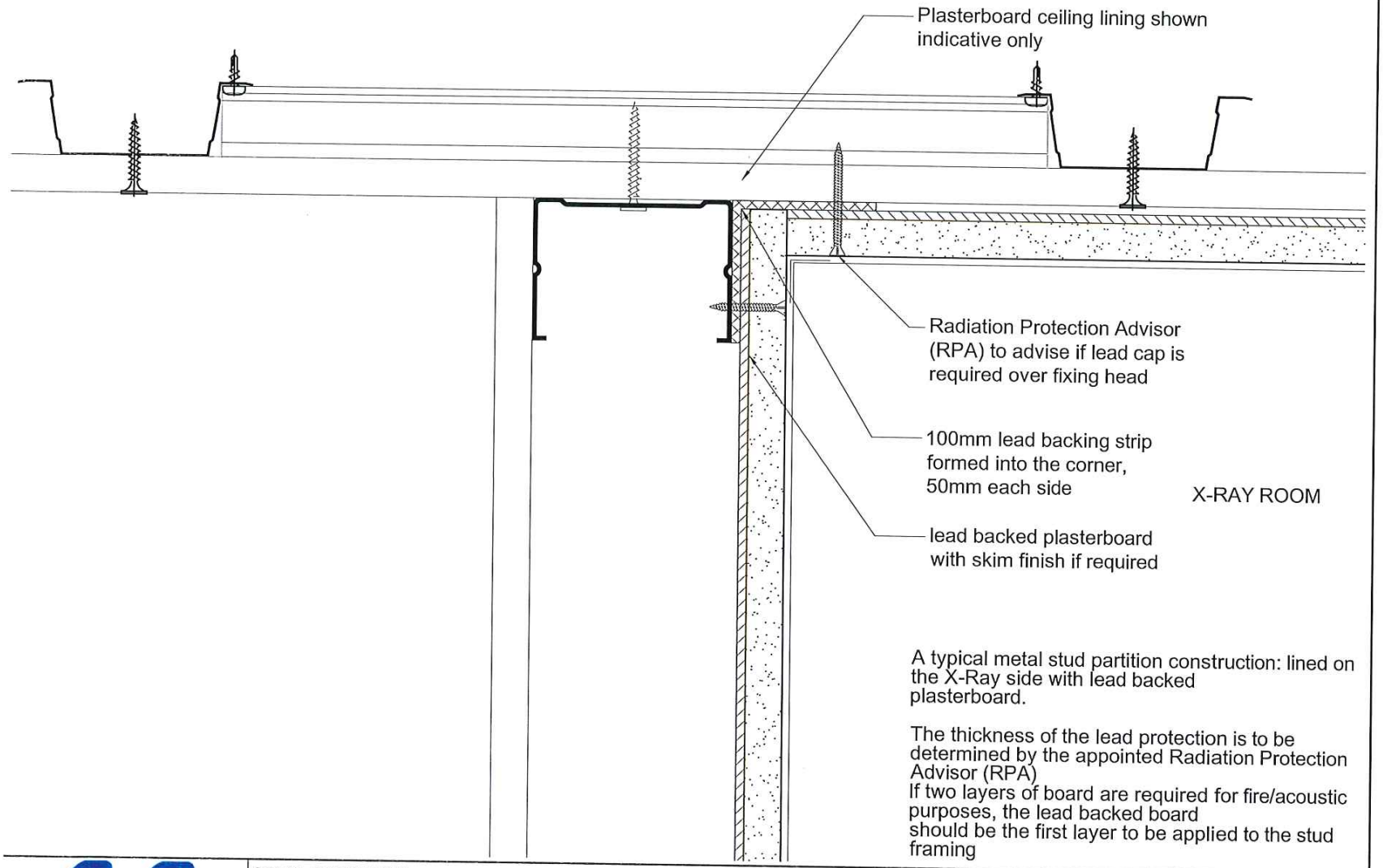
DETAIL DESCRIPTION:

LEAD BACKED PLASTERBOARD FITTING DETAILS: CEILING JOINT

DATE:	02.12.15
SCALE:	1:2
DRAWN:	HAA_KT
DRAWING NO:	D09

NOTE: Ceiling system suspension grid shown indicative only and grid centres and fixing spec will be dependant on maximum load of total of board linings, any insulation and finish plaster.

Drywall fixings to be in strict accordance with partition and ceiling manufacturers instructions



A typical metal stud partition construction: lined on the X-Ray side with lead backed plasterboard.

The thickness of the lead protection is to be determined by the appointed Radiation Protection Advisor (RPA)
If two layers of board are required for fire/acoustic purposes, the lead backed board should be the first layer to be applied to the stud framing

REVISION SCHEDULE:

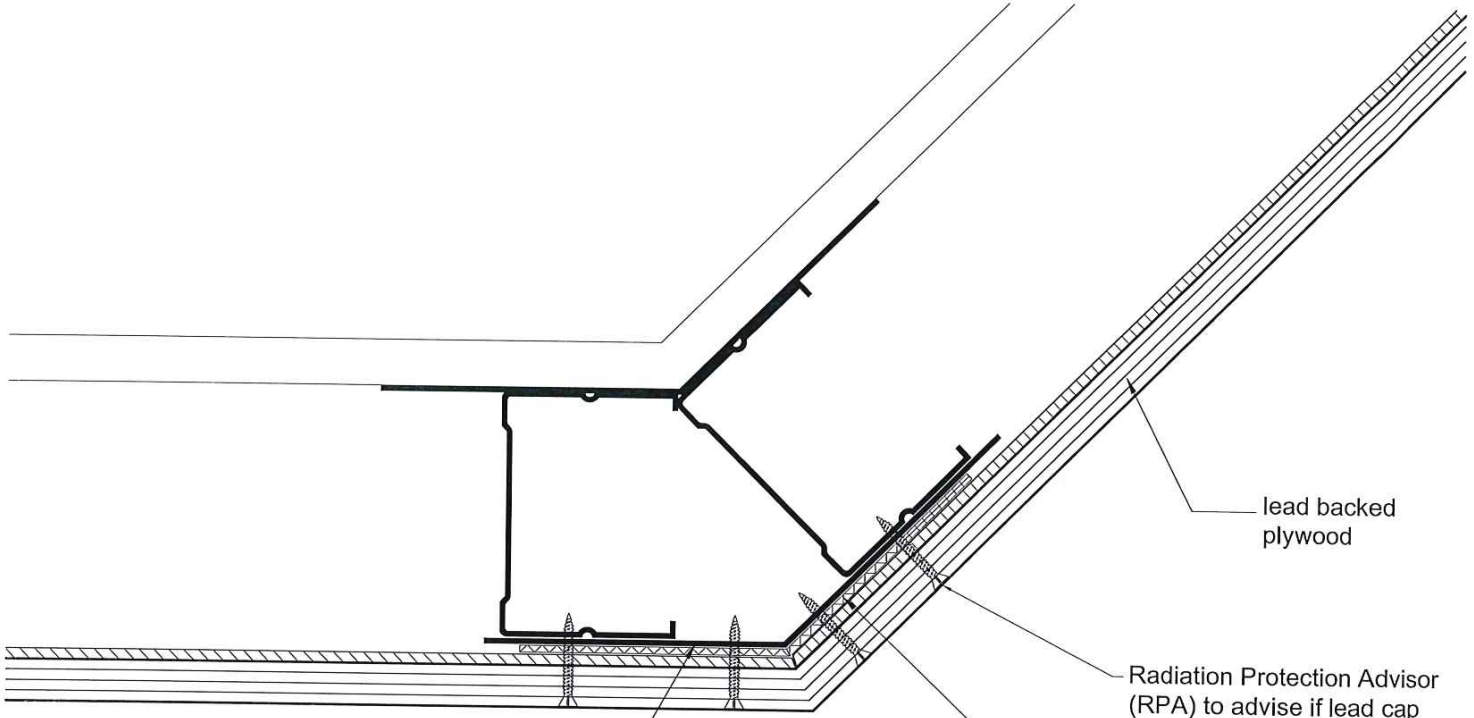
Rev No.	Description.	Date.

MidlandLead Healthcare

DETAIL DESCRIPTION:

LEAD BACKED PLASTERBOARD FITTING DETAILS: WALL / CEILING JOINT

DATE:	02.12.15
SCALE:	1:2
DRAWN:	HAA_KT
DRAWING NO:	D10



Board fixings to be in strict accordance with partition manufacturers instructions

X-RAY ROOM

REVISION SCHEDULE:

Rev No.	Description.	Date.

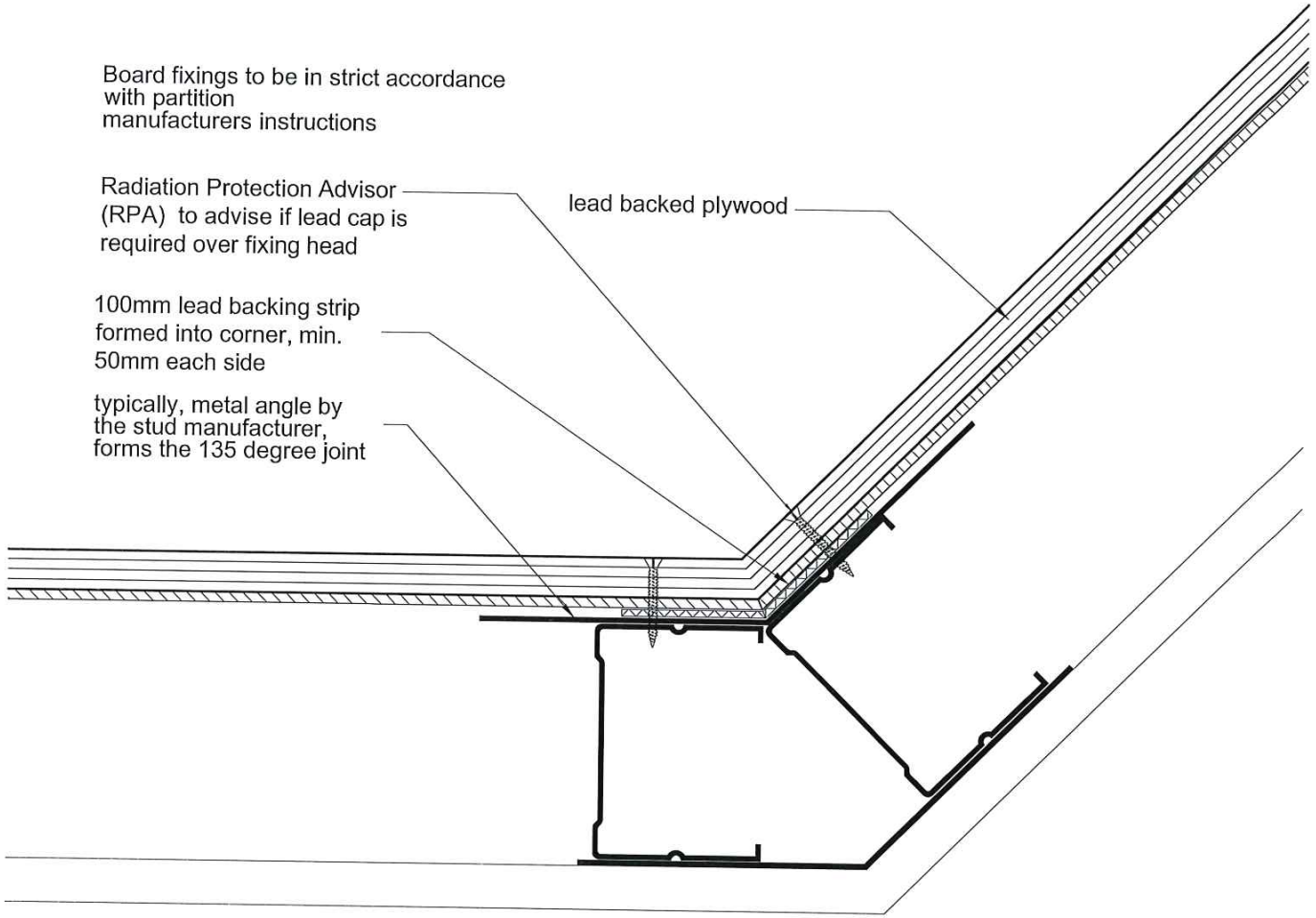
MidlandLead Healthcare

DETAIL DESCRIPTION:

TYPICAL LEAD BACKED PLYWOOD FITTING DETAILS: 135 DEGREE EXTERNAL CORNER

DATE:	07.12.15
SCALE:	1:2
DRAWN:	HAA_KT
DRAWING NO:	D11

X-RAY ROOM



REVISION SCHEDULE:

Rev No.	Description.	Date.

MidlandLead Healthcare

DETAIL DESCRIPTION:

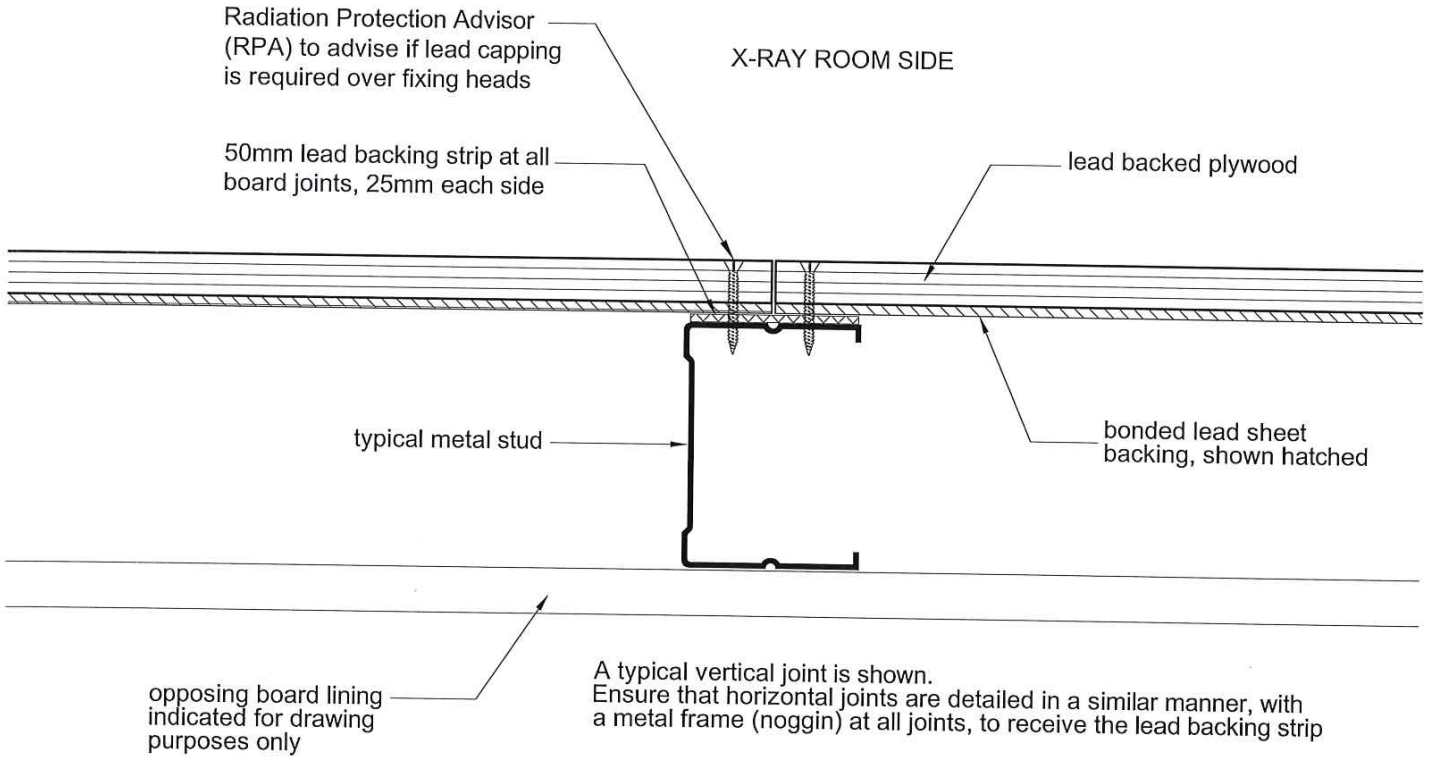
TYPICAL LEAD BACKED PLYWOOD FITTING DETAILS: 135 DEGREE INTERNAL CORNER

DATE:	07.12.15
SCALE:	1:2
DRAWN:	HAA_KT
DRAWING NO:	D12

A typical metal stud partition construction: lined on the X-Ray side with lead backed plywood

The thickness of the lead protection is to be determined by the appointed Radiation Protection Advisor (RPA)

Board fixings to be in strict accordance with partition manufacturers instructions



REVISION SCHEDULE:

Rev No.	Description.	Date.

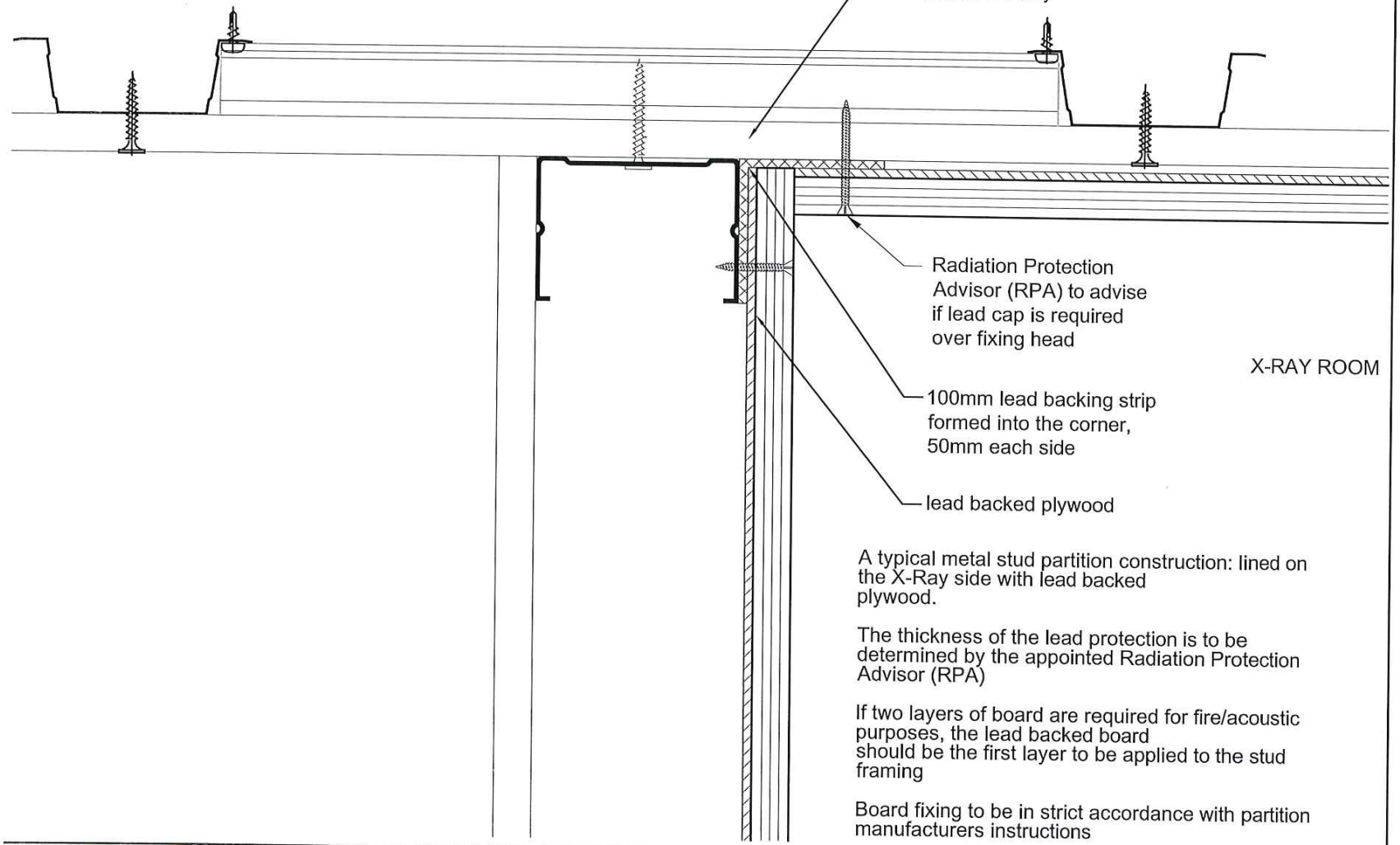
MidlandLead Healthcare

DETAIL DESCRIPTION:

TYPICAL LEAD BACKED PLYWOOD FITTING DETAILS: TYPICAL BOARD JOINT

DATE:	07.12.15
SCALE:	1:2
DRAWN:	HAA_KT
DRAWING NO:	D13

NOTE: Ceiling system suspension grid shown indicative only and grid centres and fixing spec will be dependant on maximum load of total of board linings, any insulation etc.



A typical metal stud partition construction: lined on the X-Ray side with lead backed plywood.

The thickness of the lead protection is to be determined by the appointed Radiation Protection Advisor (RPA)

If two layers of board are required for fire/acoustic purposes, the lead backed board should be the first layer to be applied to the stud framing

Board fixing to be in strict accordance with partition manufacturers instructions

REVISION SCHEDULE:

Rev No.	Description.	Date.

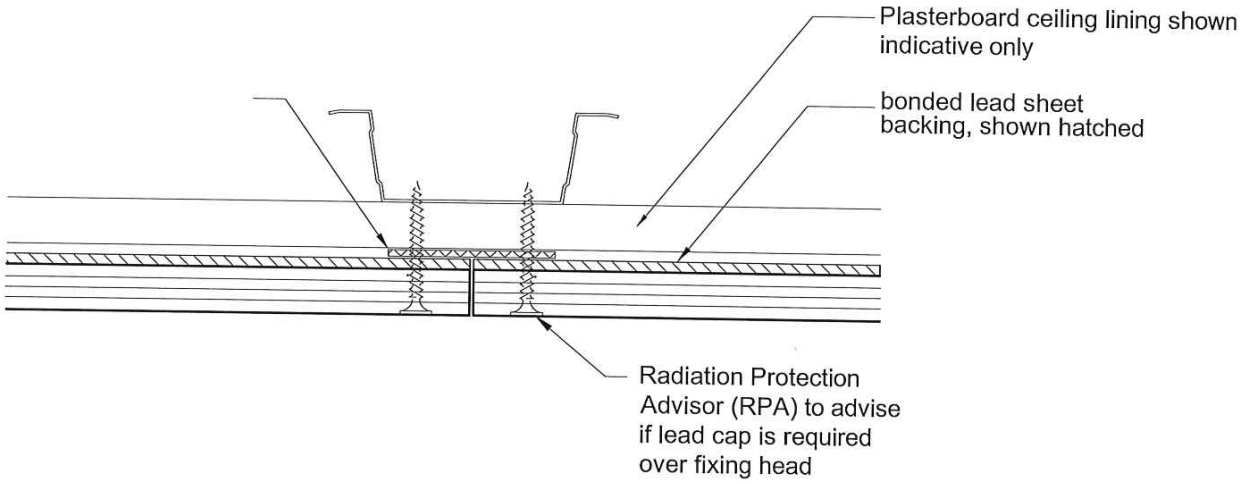
MidlandLead Healthcare

DETAIL DESCRIPTION:

TYPICAL LEAD BACKED PLYWOOD FITTING DETAILS: WALL / CEILING JOINT

DATE:	07.12.15
SCALE:	1:2
DRAWN:	HAA_KT
DRAWING NO:	D14

NOTE: Ceiling system suspension grid shown indicative only and grid centres and fixing spec will be dependant on maximum load of total of board linings, any insulation etc.



X-RAY ROOM SIDE

A typical suspended ceiling construction: lined with lead backed plasterboard.

The thickness of the lead protection is to be determined by the appointed Radiation Protection Advisor (RPA).

REVISION SCHEDULE:

Rev No.	Description.	Date.

MidlandLead Healthcare

DETAIL DESCRIPTION:

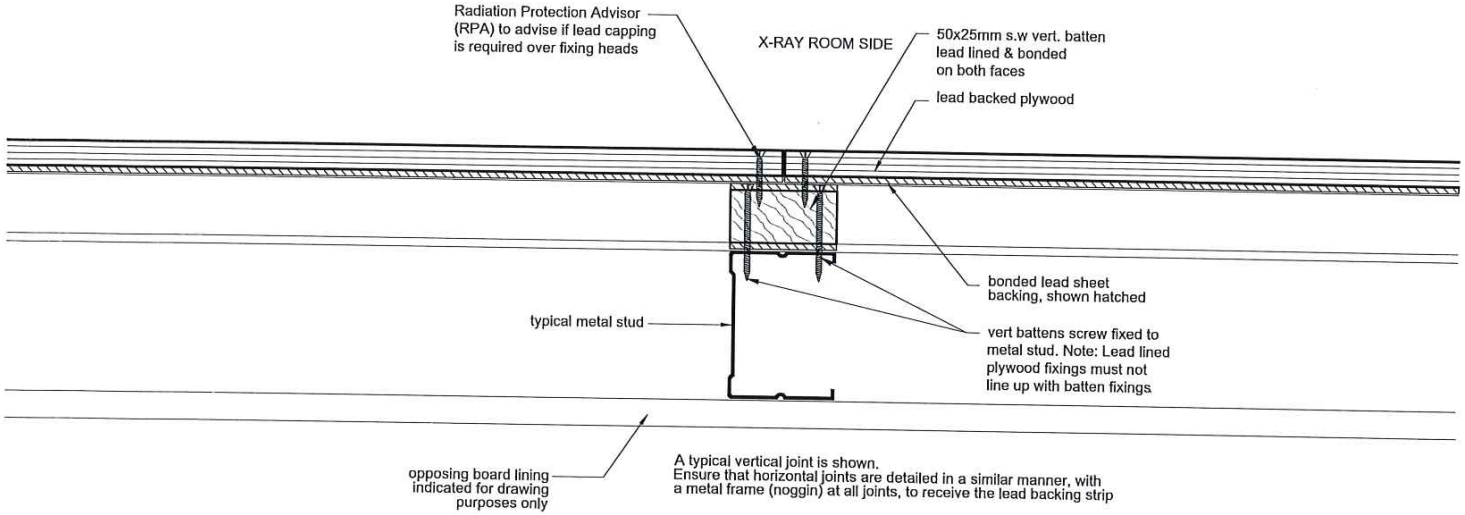
TYPICAL LEAD BACKED PLYWOOD FITTING DETAILS: CEILING JOINT

DATE:	07.12.15
SCALE:	1:2
DRAWN:	HAA_KT
DRAWING NO:	D15

A typical metal stud partition construction: lined on the X-Ray side with lead backed plywood

The thickness of the lead protection is to be determined by the appointed Radiation Protection Advisor (RPA)

Board fixings to be in strict accordance with partition manufacturers instructions



REVISION SCHEDULE:		
Rev No.	Description.	Date.

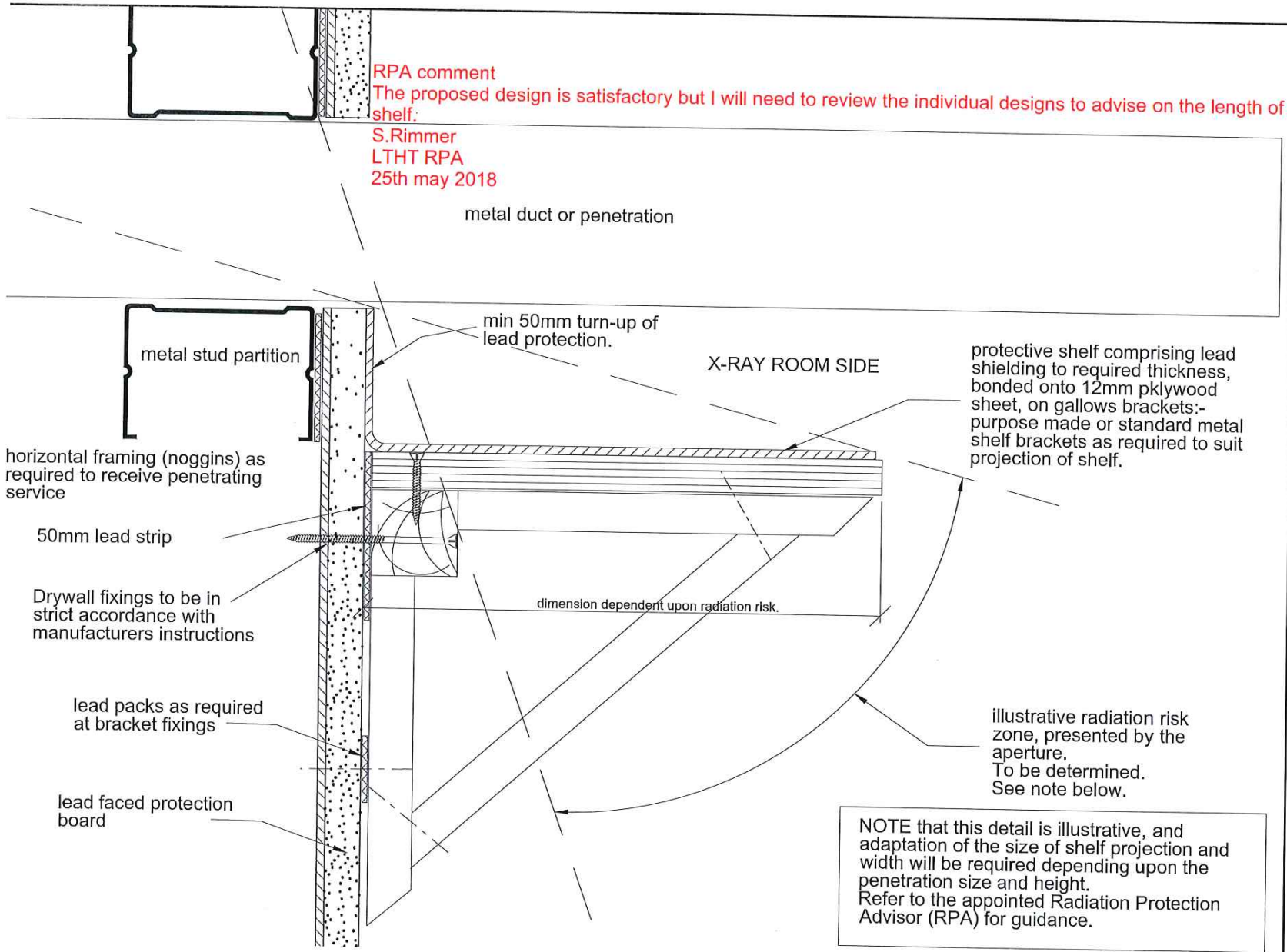
MidlandLead

DETAIL DESCRIPTION:

TYPICAL LEAD BACKED PLYWOOD ON BATTENS
FITTING DETAIL: TYPICAL BOARD JOINT

DATE:	01.07.16
SCALE:	1:2
DRAWN:	HAA_KT
DRAWING NO:	D16

RPA comment
The proposed design is satisfactory but I will need to review the individual designs to advise on the length of shielding required for the shelf.
S.Rimmer
LTHT RPA
25th may 2018



NOTE that this detail is illustrative, and adaptation of the size of shelf projection and width will be required depending upon the penetration size and height.
Refer to the appointed Radiation Protection Advisor (RPA) for guidance.

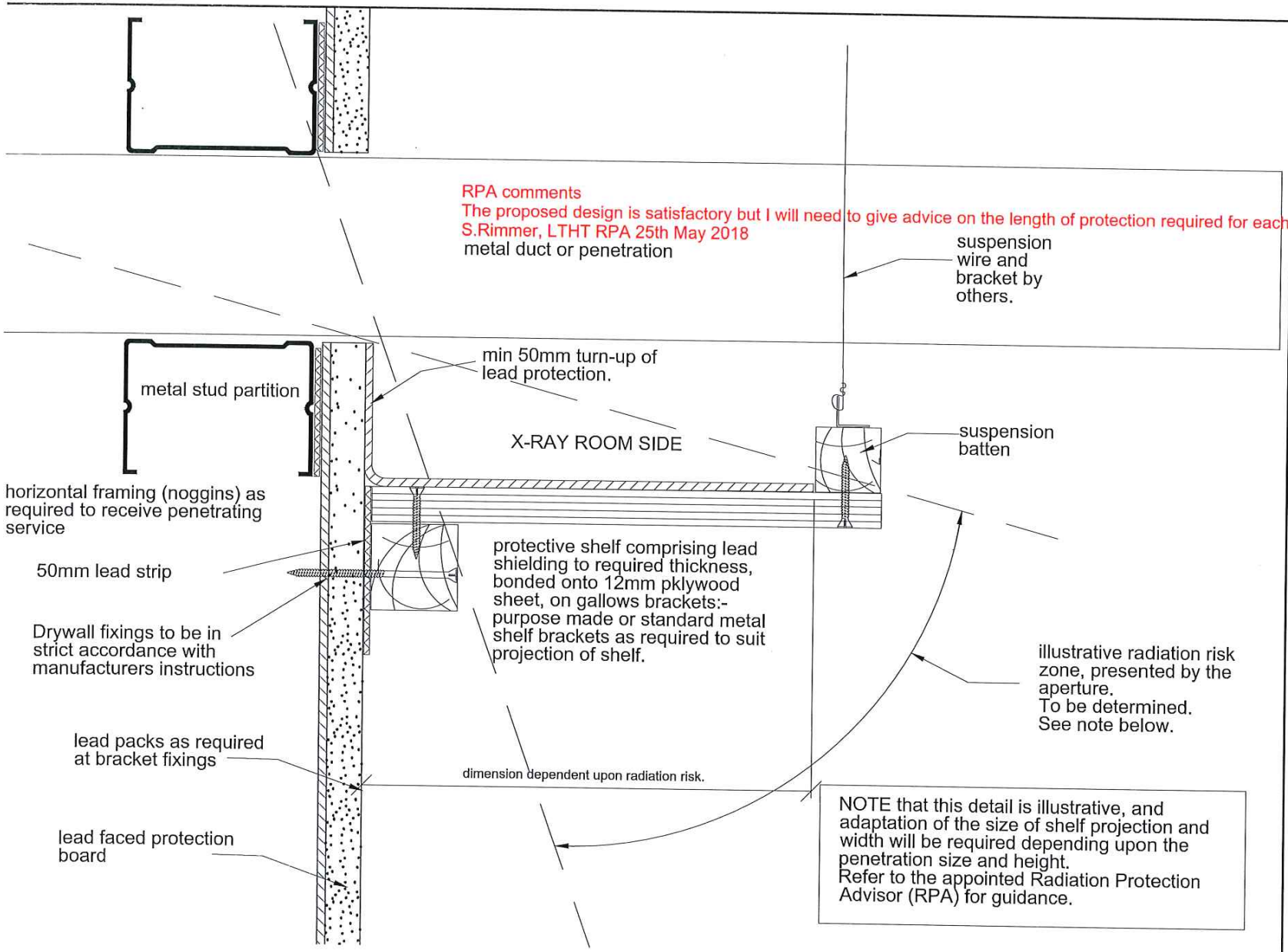
REVISION SCHEDULE:		
Rev No.	Description.	Date.

MidlandLead

DETAIL DESCRIPTION:

Proposed Lead-Faced Shielding to Wall Penetration Option A, Bracket Fixed, Above Ceiling

DATE:	02.09.17
SCALE:	1:2
DRAWN:	HAA_MS
DRAWING NO:	D18



REVISION SCHEDULE:

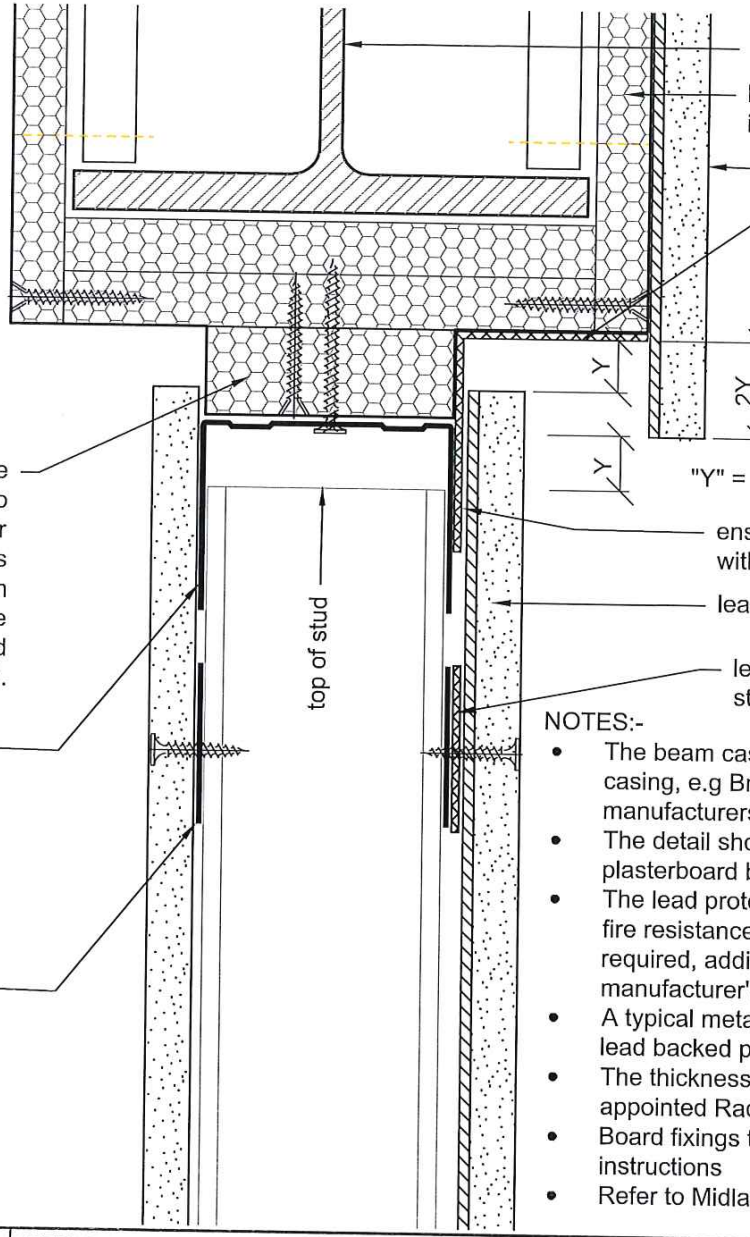
Rev No.	Description.	Date.

MidlandLead

DETAIL DESCRIPTION:

Proposed Lead-Faced Shielding to Wall Penetration Option B, Soffit Suspended, Above Ceiling

DATE:	02.09.17
SCALE:	1:2
DRAWN:	HAA_MS
DRAWING NO:	D19



NOTES:-

- The beam casing detail is illustrative and assumes a frameless board casing, e.g British Gypsum Firecase, specified and installed as per manufacturers details
- The detail shows no applied plaster finish, which can be applied to plasterboard based boards if required.
- The lead protection products must not be assumed to contribute to the fire resistance of the partition or the casing. If fire resistance is required, additional board lining products must be used, to particular manufacturer's details
- A typical metal stud partition construction: lined on the X-Ray side with lead backed plywood
- The thickness of the lead protection is to be determined by the appointed Radiation Protection Advisor (RPA)
- Board fixings to be in strict accordance with partition manufacturers instructions
- Refer to Midland Lead Healthcare for adhesive recommendations

REVISION SCHEDULE:

Rev No.	Description.	Date.

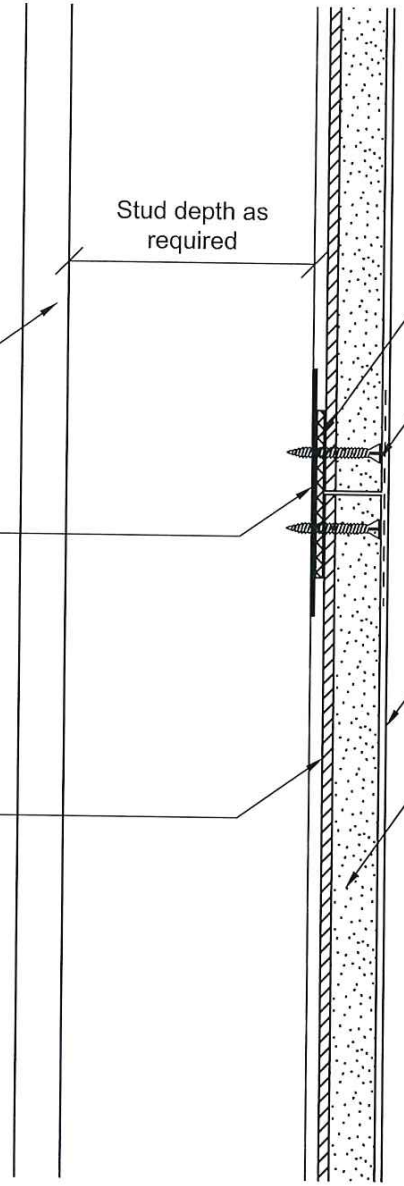
MidlandLead Healthcare

DETAIL DESCRIPTION:

Lead Lined Board Protection, Metal Stud Partition, Typical Deflection Head Detail

DATE:	16.12.20
SCALE:	1:2
DRAWN:	SCA MS
DRAWING NO:	D20

A typical horizontal joint is shown, with a metal frame fixing strap at joint, to receive the lead backing strip.



A typical metal stud partition construction: lined on the X-Ray side with lead backed plasterboard.

The thickness of the lead protection is to be determined by the appointed Radiation Protection Advisor (RPA).

If two layers of board are required for fire / acoustic purposes, the lead backed board should be the first layer to be applied to the stud framing.

Drywall fixing to be in strict accordance with partition manufacturers instructions.

REVISION SCHEDULE:

Rev No.	Description.	Date.

MidlandLead Healthcare

DETAIL DESCRIPTION:

LEAD BACKED PLASTERBOARD FITTING DETAILS: TYPICAL HORIZONTAL BOARD JOINT

DATE:	04.09.23
SCALE:	1:2
DRAWN:	SM
DRAWING NO:	D21