

TIMBER FRAME STANDARD DETAILS SEPTEMBER 09



Details on Plan

1. External Wall
 - 1.1. External corner
 - 1.2. Re-entrant corner
 - 1.3. Separating wall junctions
 - 1.4. Non loadbearing wall junctions
 - 1.5. Window/Door Jambs
 - 1.6. Masonry Cladding
 - 1.7. Tile hanging off timber frame
 - 1.8. Timber boarding on timber frame
 - 1.9. Render on timber frame

2. Internal Walls
 - 2.1. Internal wall to internal wall junctions

3. Roofs
 - 3.1. Access hatch
 - 3.2. Tank stand and walkway
 - 3.3. Trusses:
 - 3.3.1. Standard truss
 - 3.3.2. Raised tie truss
 - 3.3.3. Attic truss
 - 3.4. Bracing – Diagonal and longitudinal
 - 3.4.1. Bracing 3D
 - 3.5.
 - 3.5.1. Verge Details
 - 3.5.2. Truss parallel to separating wall
 - 3.5.3. Truss perpendicular to separating wall
 - 3.5.4. Truss at right angles to each other at separating wall
 - 3.6. Purlins Connections
 - 3.7. Rafters
 - 3.7.1 Rafters on floor deck
 - 3.7.2 Rafters on dwarf wall
 - 3.8. Roof panels
 - 3.8.1 Roof panel connections

 - 3.9. Flat roof – Joist and decking
 - 3.10. Dormer in Section
 - 3.11. Dormer in Perspective view
 - 3.12. Parapet detail – joists perpendicular
 - 3.13. Parapet detail – joists parallel

Details in Section

4. External Walls
 - 4.1. Ground Floor
 - 4.2. Intermediate floor – Joist parallel
 - 4.3. Intermediate floor – Joist perpendicular
 - 4.4. Compartment floor – I Joist parallel
 - 4.5. Compartment floor – I Joist perpendicular
 - 4.6. Top floor ceiling at eaves

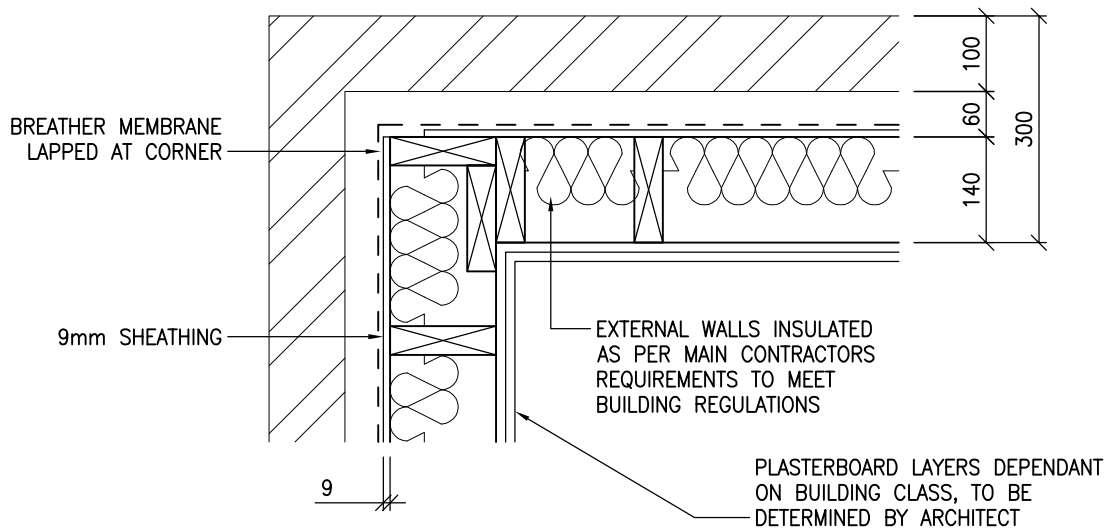
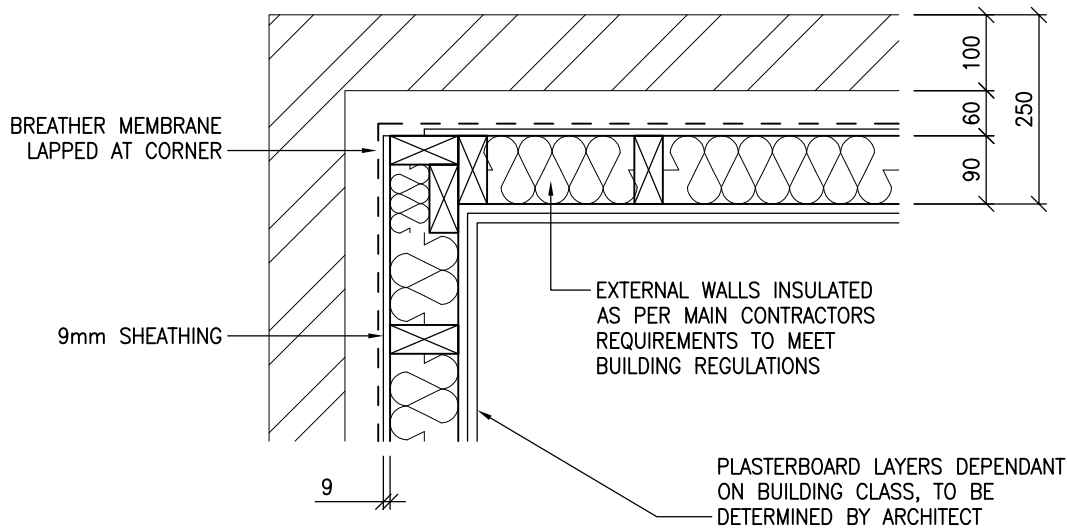
- 4.7. Eaves at window head
 - 4.8. Window Cill
 - 4.9. Joinery head
 - 4.10. Door threshold
 - 4.11. Intermediate Floor – Open Web Joist Parallel
 - 4.12. Intermediate Floor – Open Web Joist Perpendicular
 - 4.13. Compartment Floor – Open Web Parallel
 - 4.14. Compartment Floor – Open Web Perpendicular
 - 4.15. Compartment Floor – Solid joist Parallel
 - 4.16. Compartment Floor – Solid joist Perpendicular
 - 4.17. Compartment Floor with Screed – Joist Perpendicular
 - 4.18. Compartment Floor with Screed – Joist Parallel
 - 4.19. Compartment Floor with Screedboard – Joist Perpendicular
 - 4.20. Compartment Floor with Screedboard – Joist Parallel
5. Internal Walls
- 5.1. Ground floor - loadbearing partition
 - 5.2. Ground floor – non loadbearing partition
 - 5.3. Ground floor – Separating wall
 - 5.4. Upper floor – loadbearing partition
 - 5.5. Upper floor – Non loadbearing partition
 - 5.6.
 - 5.6.1 Upper floor – Separating wall Compartment Floor I joist parallel
 - 5.6.2 Upper floor – Separating wall Compartment Floor I joist perpendicular
 - 5.6.3 Upper floor – Separating wall Intermediate Floor I joist parallel
 - 5.6.4 Upper floor – Separating wall Intermediate Floor I joist perpendicular
 - 5.6.5 Upper floor – Separating wall Intermediate Floor Open Web parallel
 - 5.6.6 Upper floor – Separating wall Intermediate Floor Open Web perpendicular
 - 5.6.7 Upper floor – Separating wall Compartment Floor Open Web parallel
 - 5.6.8 Upper floor – Separating wall Compartment Floor Open Web perpendicular
 - 5.6.9 Upper floor – Separating wall Compartment Floor Solid Joist parallel
 - 5.6.10 Upper floor – Separating wall Compartment Floor Solid Joist perpendicular
 - 5.6.11 Upper floor – Separating wall Compartment Floor with Screed joists parallel
 - 5.6.12 Upper floor – Separating wall Comp. Floor with Screed joists perpendicular
 - 5.6.13 Upper floor – Separating wall Comp. Floor with Screedboard joists parallel
 - 5.6.14 Upper floor – Separating wall C/Floor with Screedboard joists perpendicular
 - 5.7. Ceiling
6. Door Linings
- 6.1. Internal Doors
 - 6.2. External Doors
 - 6.3. Party wall Entrance Doors
7. Services
- 7.1. Chimney – External
 - 7.2. Chimney - Internal
 - 7.3. Specific limitations of notching and drilling joists
 - 7.4. Specific limitations of notching and drilling studs
 - 7.5. Electrical sockets in separating walls – Shallow fitting
 - 7.6. Electrical sockets in separating walls – Deep fitting

- 7.7. Services in party floors

- 8.
 - 8.1. Panel Plumb Fixing Detail

- 9. Air Leakage Details
 - 9.1. Floor Junction
 - 9.2. Internal to External Wall Junction
 - 9.3. Electrical Sockets in External Wall

- 10. Manufacturing and Erection details
 - 10.1. Wall Panel Assembly
 - 10.2. Wall Panel connections
 - 10.3. Floor Assembly
 - 10.4. Sheet materials on joists
 - 10.5. Temporary bracing



Building 1 Grosvenor Court
 Hipley Street
 Old Woking
 SURREY
 GU22 9LL

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DRAWING TITLE:
EXTERNAL CORNER

DRAWING No:
 1.1

REVISION:
 -

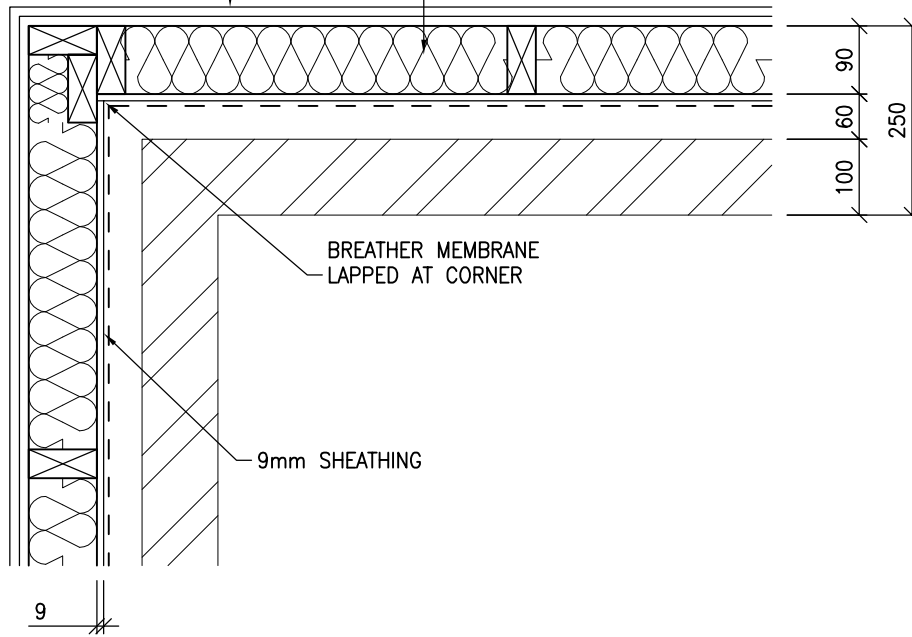
SCALE:
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DRAWN BY:
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DATE:
 JAN 08

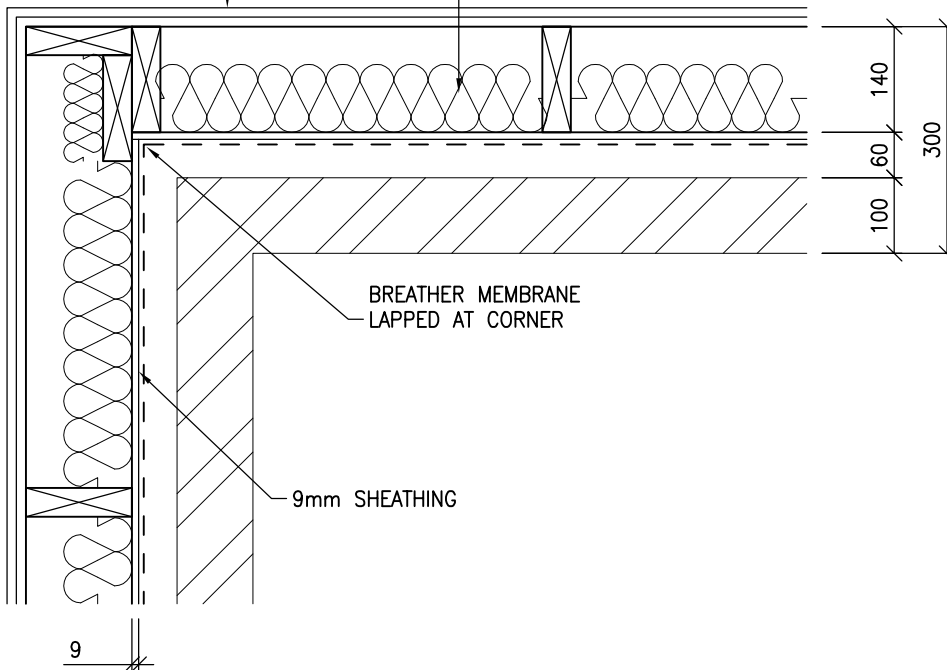
PLASTERBOARD LAYERS DEPENDANT ON BUILDING CLASS, TO BE DETERMINED BY ARCHITECT

EXTERNAL WALLS INSULATED AS PER MAIN CONTRACTORS REQUIREMENTS TO MEET BUILDING REGULATIONS



PLASTERBOARD LAYERS DEPENDANT ON BUILDING CLASS, TO BE DETERMINED BY ARCHITECT

EXTERNAL WALLS INSULATED AS PER MAIN CONTRACTORS REQUIREMENTS TO MEET BUILDING REGULATIONS



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DRAWING TITLE:
 RE-ENTRANT CORNER

DRAWING No:
 1.2

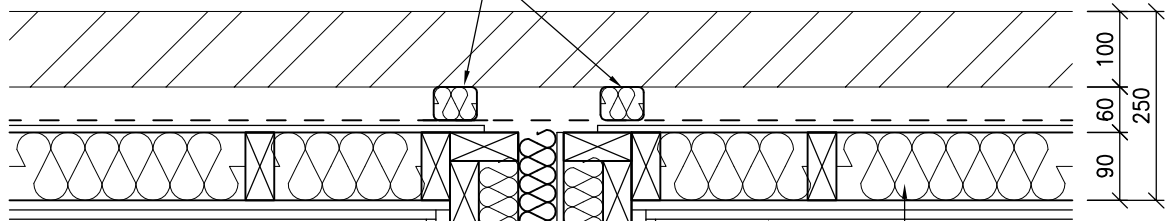
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WIRE REINFORCED MINERAL WOOL TO CLOSE EXTERNAL CAVITY INSTALLED IN PROTECTIVE PLASTIC SOCK FORM (ALSO REFERRED TO AS FIRESOCK). CAN ALSO BE INSTALLED IN WIDER FORM FILLING ENTIRE CAVITY



WIRE REINFORCED MINERAL WOOL INSTALLED VERTICALLY UP CAVITY

EXTERNAL WALLS INSULATED AS PER MAIN CONTRACTORS REQUIREMENTS TO MEET BUILDING REGULATIONS

9mm SHEATHING FOR WIND RACKING. STAGGER AT END CONDITIONS TO ALLOW FOR INSTALLMENT OF VERTICAL CAVITY BARRIER

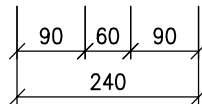
EXTERNAL WALL PLASTERBOARD LAYERS DEPENDANT ON BUILDING CLASS, TO BE DETERMINED BY ARCHITECT

MIN. 63mm MINERAL WOOL, MIN DENSITY 10kg/M³

19mm PLASTERBOARD PLANK WITH 12.5mm PLASTERBOARD OVER, MIN DENSITY 10kg/M³

NETLON CAN BE FITTED TO BACK FACE OF PARTY WALL TO PROVIDE SUPPORT FOR MINERAL WOOL

DETAIL SHOWN REFERS TO ROBUST STANDARD DETAIL E-WT-1 AND IS SILVATEC'S PREFERRED DETAIL



240mm IS MINIMUM DISTANCE ALLOWED. A BUILD TOLERANCE OF A WIDER CAVITY CAN BE USEFUL IF SPACE ALLOWS



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DRAWING TITLE:

SEPARATING WALL JUNCTION

DRAWING No:

1.3

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-

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1:10

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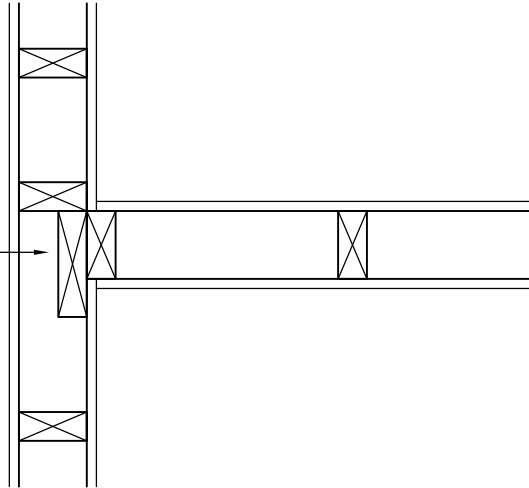
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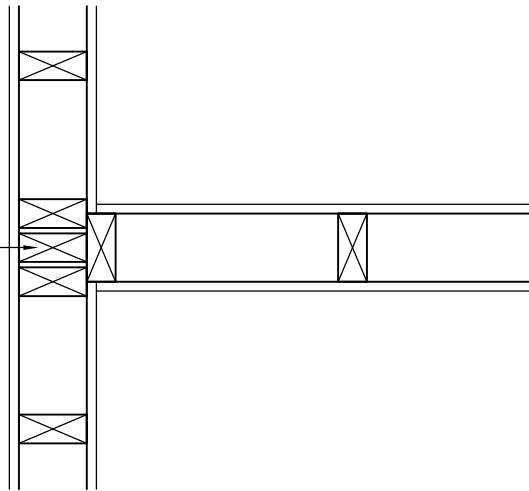
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SILVATEC'S PREFERRED DETAIL

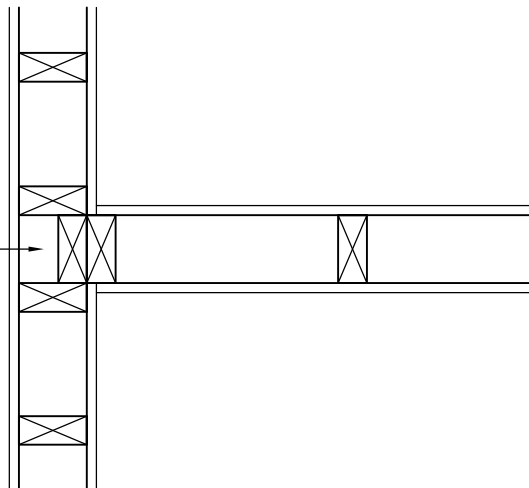
L STUD CONNECTOR
(140mm)



TRIPLE STUD CONNECTOR



C STUD CONNECTOR



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DRAWING TITLE:
NLB WALL JUNCTIONS

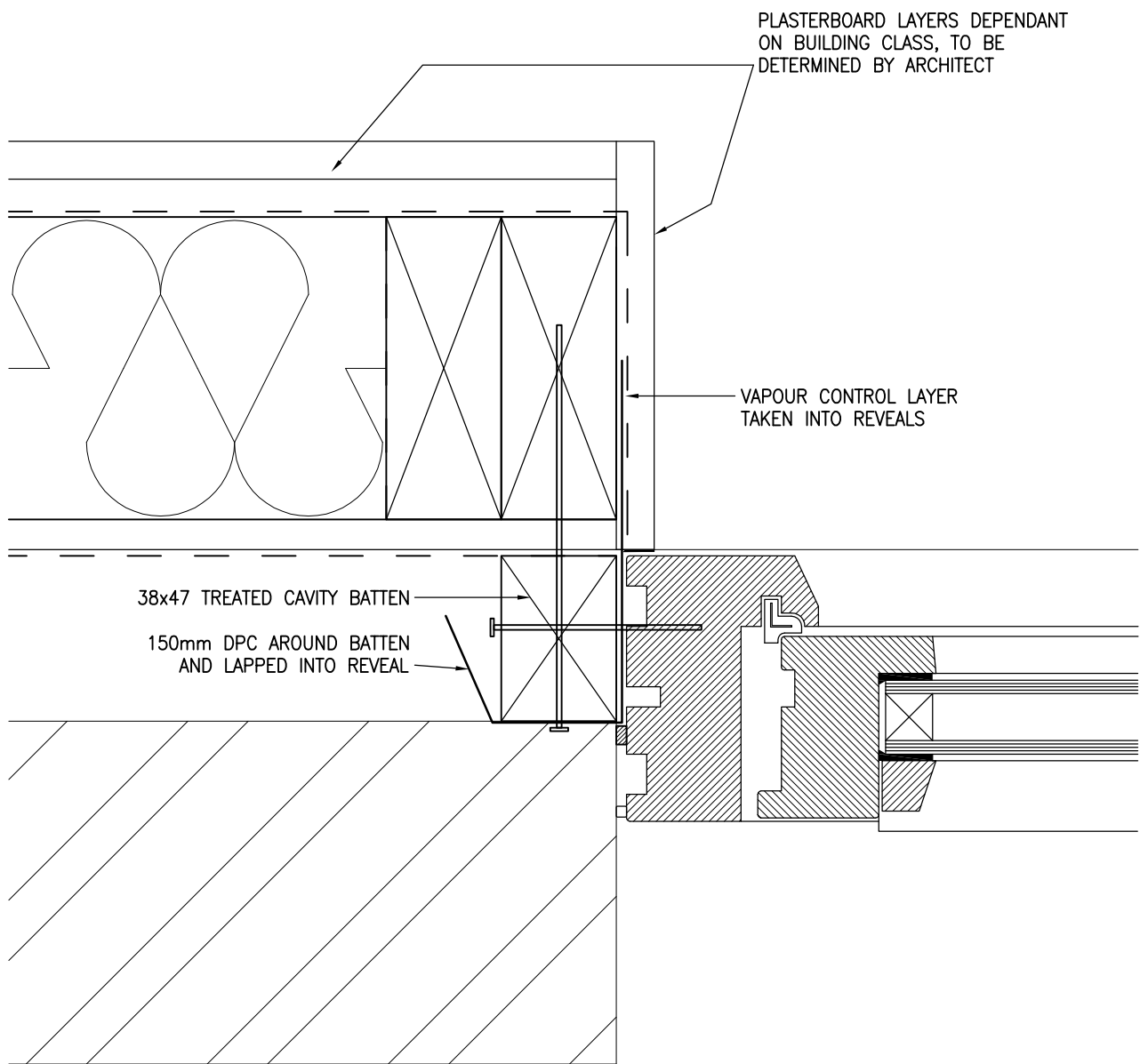
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DRAWING TITLE:

WINDOW/DOOR JAMBS

DRAWING No:

1.5

REVISION:

-

SCALE:

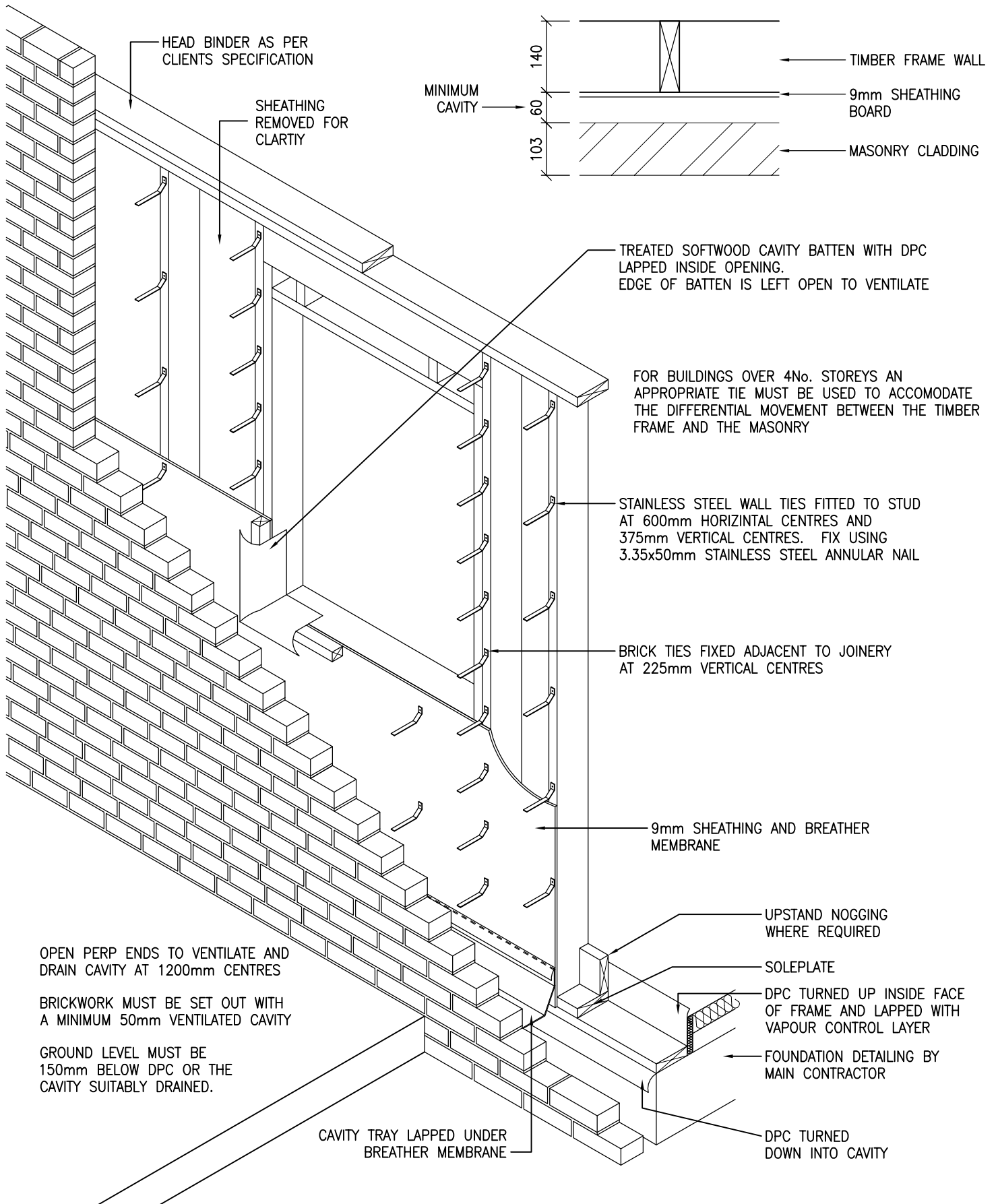
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DRAWING TITLE:
MASONRY CLADDING

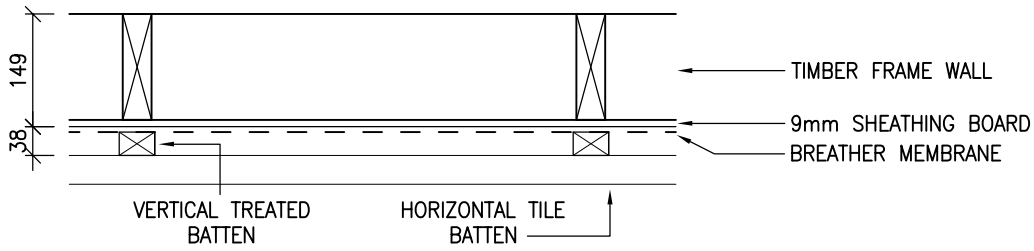
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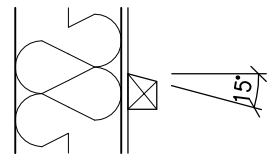
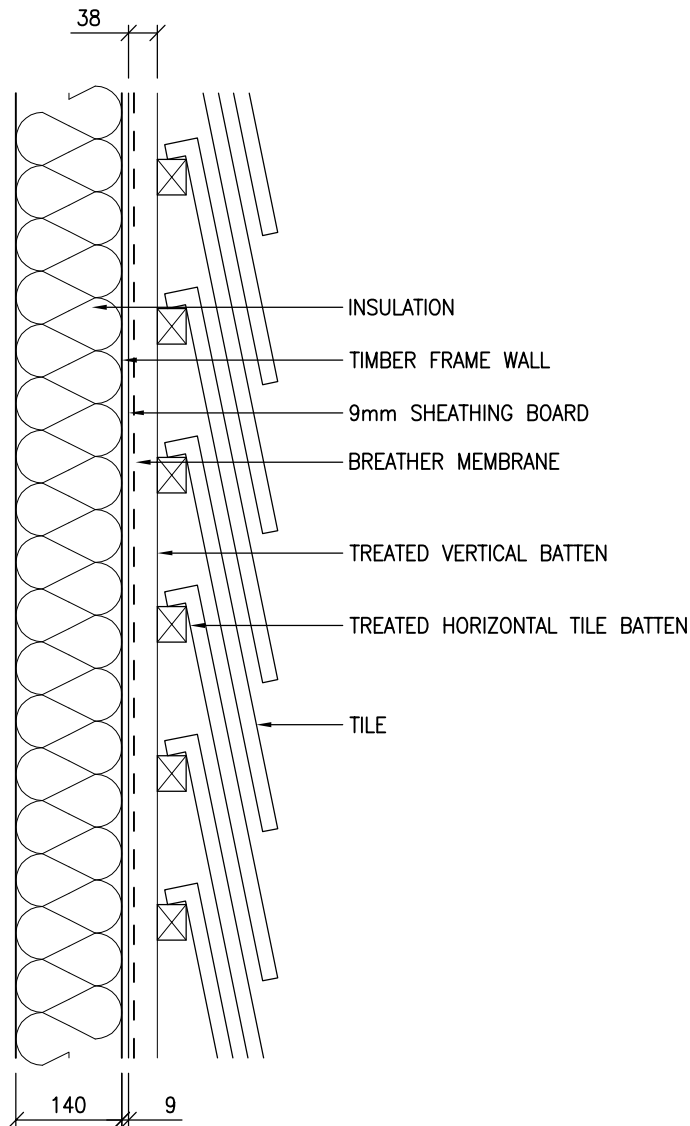
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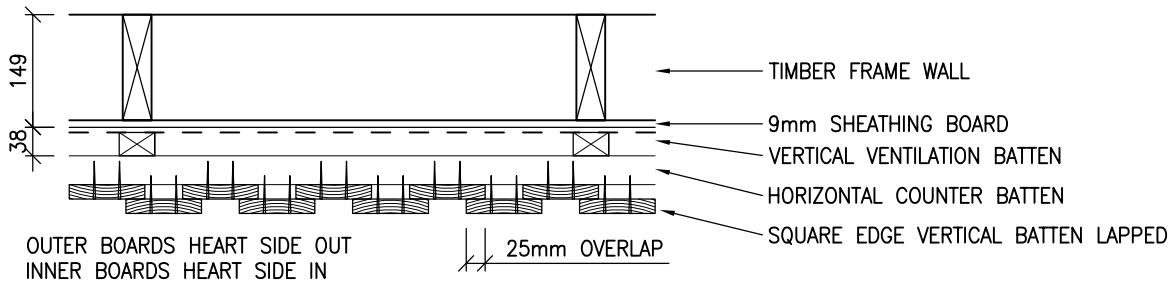
WHEN USING LIGHTWEIGHT CLADDING ENSURE THAT INSULATION DETAIL WILL CONFORM TO PART L OF THE BUILDING REGULATIONS

ENSURE APPROPRIATE FIRE PROTECTION IS DETAILED WHEN THERE IS A PROPERTY WITHIN CLOSE PROXIMITY

DETAIL SHOWS FIRST BATTEN AGAINST THE TIMBER FRAME AS VERTICAL TO ALLOW FOR VENTILATION AND DRAINAGE OF CAVITY. IF A HORIZONTAL BATTEN IS USED AGAINST FRAME ENSURE TOP EDGE IS SLOPED TO MIN 15° TO REMOVE WATER FROM SHEATHING.



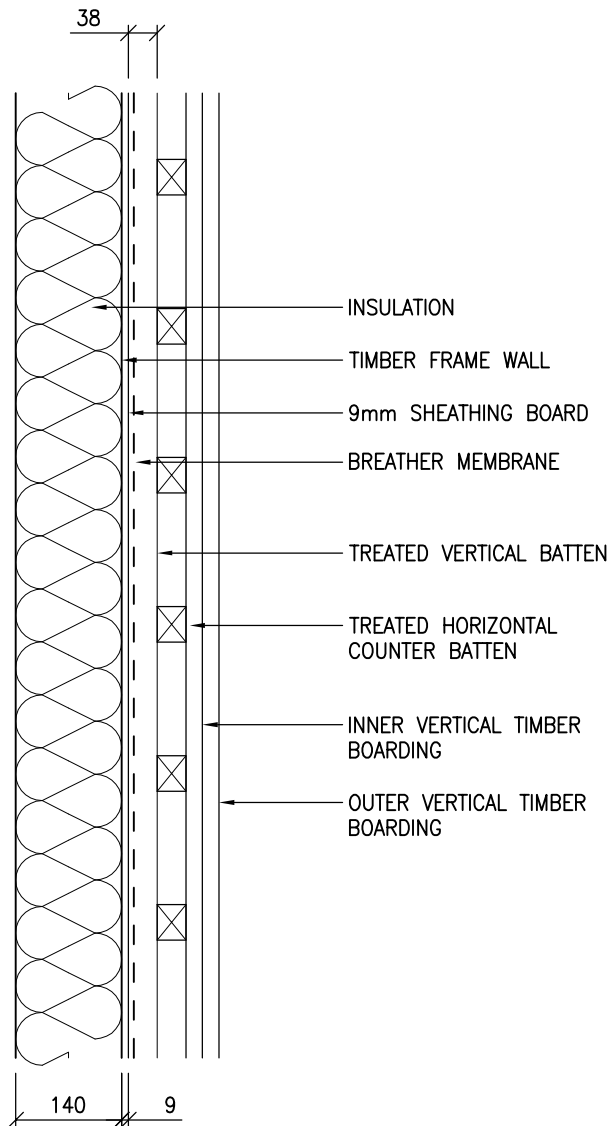
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	DRAWING No: 1.7	REVISION: A	SCALE: 1:10
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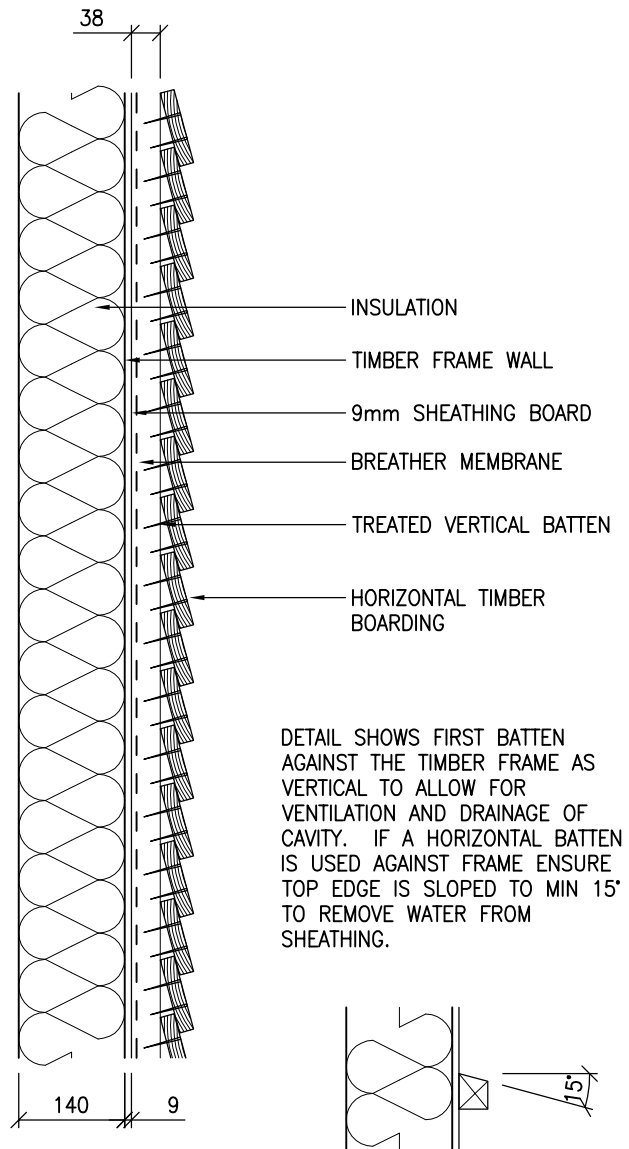
WHEN USING LIGHTWEIGHT CLADDING ENSURE THAT INSULATION DETAIL WILL CONFORM TO PART L OF THE BUILDING REGULATIONS

ENSURE APPROPRIATE FIRE PROTECTION IS DETAILED WHEN THERE IS A PROPERTY WITHIN CLOSE PROXIMITY

VERTICAL BOARDING



HORIZONTAL BOARDING (SQUARE EDGE BOARDING SHOWN)



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DRAWING TITLE:
TIMBER BOARDING

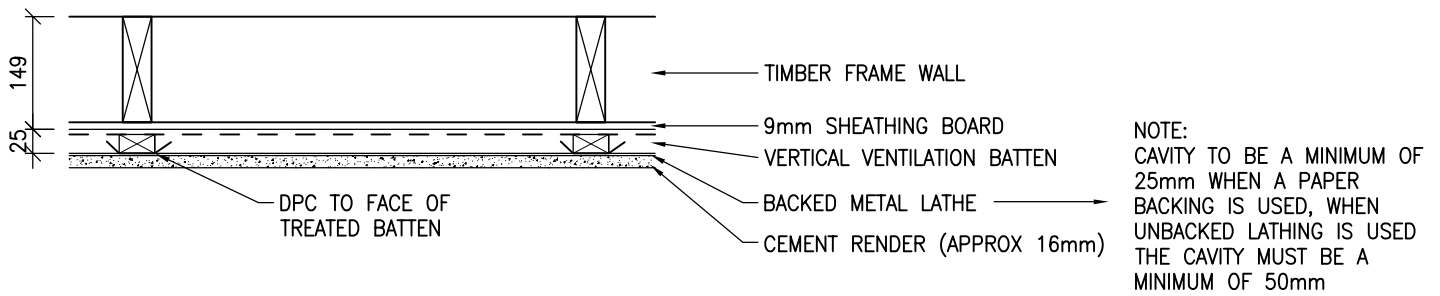
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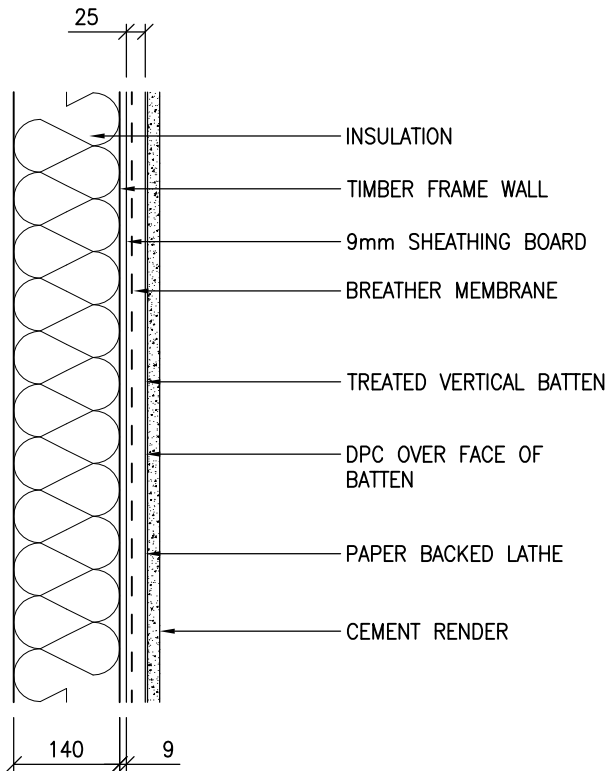
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JAN 08



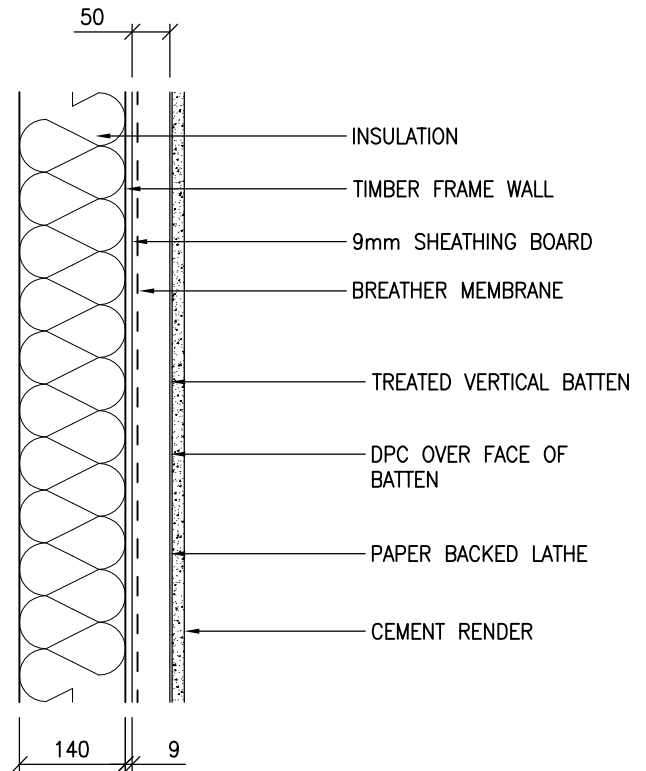
WHEN USING LIGHTWEIGHT CLADDING ENSURE THAT INSULATION DETAIL WILL CONFORM TO PART L OF THE BUILDING REGULATIONS

ENSURE APPROPRIATE FIRE PROTECTION IS DETAILED WHEN THERE IS A PROPERTY WITHIN CLOSE PROXIMITY

RENDER ON PAPER BACKED LATHE



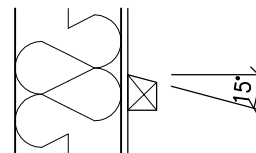
RENDER ON UNBACKED LATHE




WHEN RENDER IS GREATER THAN ONE STOREY ENSURE MOVEMENT GAPS ARE ALLOWED IN THE BATTEN AT FLOOR ZONE AND MOVEMENT JOINTS WITHIN THE RENDER

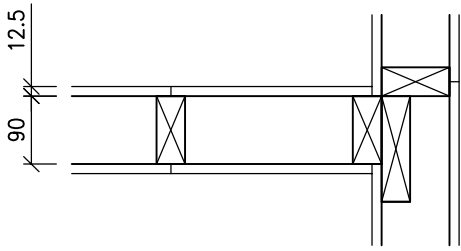
RENDER CAN ALSO BE FIXED TO FIBRE CEMENT OR CEMENT-BONDED PARTICLE BOARD CLADDING BOARDS, THESE ARE INSTALLED AS ABOVE IN PLACE OF THE METAL LATHE

DETAIL SHOWS FIRST BATTEN AGAINST THE TIMBER FRAME AS VERTICAL TO ALLOW FOR VENTILATION AND DRAINAGE OF CAVITY. IF A HORIZONTAL BATTEN IS USED AGAINST FRAME ENSURE TOP EDGE IS SLOPED TO MIN 15° TO REMOVE WATER FROM SHEATHING.

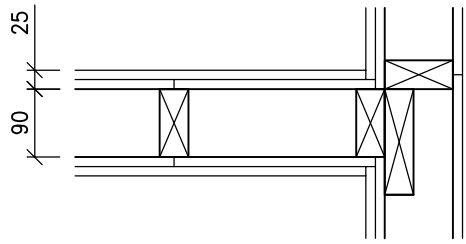


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	RENDER ON TIMBER FRAME		
	DRAWING No: 1.9	REVISION: A	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	

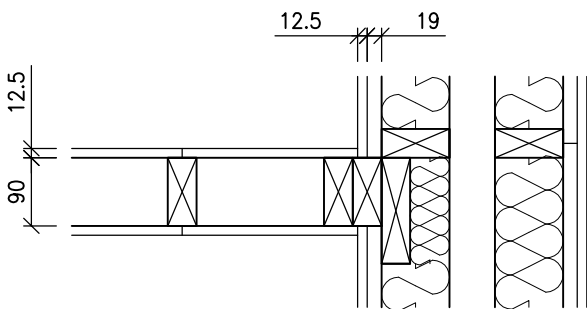
INTERNAL WALL TO INTERNAL WALL
1/2 HOUR FIRE RESISTANCE



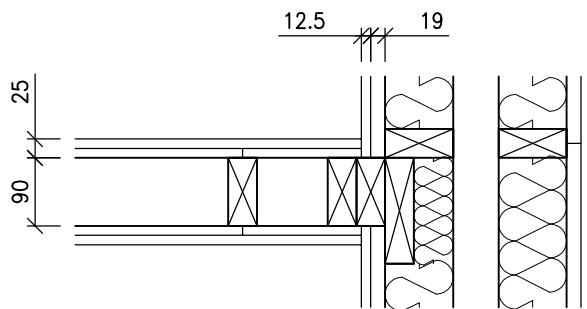
INTERNAL WALL TO INTERNAL WALL
1 HOUR FIRE RESISTANCE



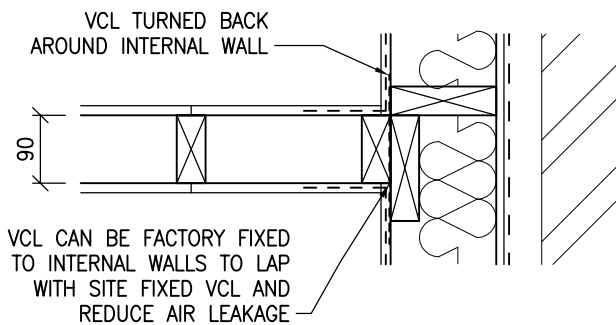
INTERNAL WALL TO SEPARATING WALL
1/2 HOUR FIRE RESISTANCE



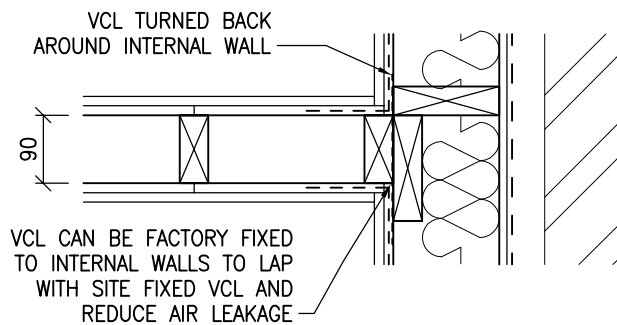
INTERNAL WALL TO SEPARATING WALL
1 HOUR FIRE RESISTANCE



INTERNAL WALL TO EXTERNAL WALL
1/2 HOUR FIRE RESISTANCE



INTERNAL WALL TO EXTERNAL WALL
1 HOUR FIRE RESISTANCE



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INTERNAL WALL JUNCTIONS

DRAWING No:

2.1

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1:10

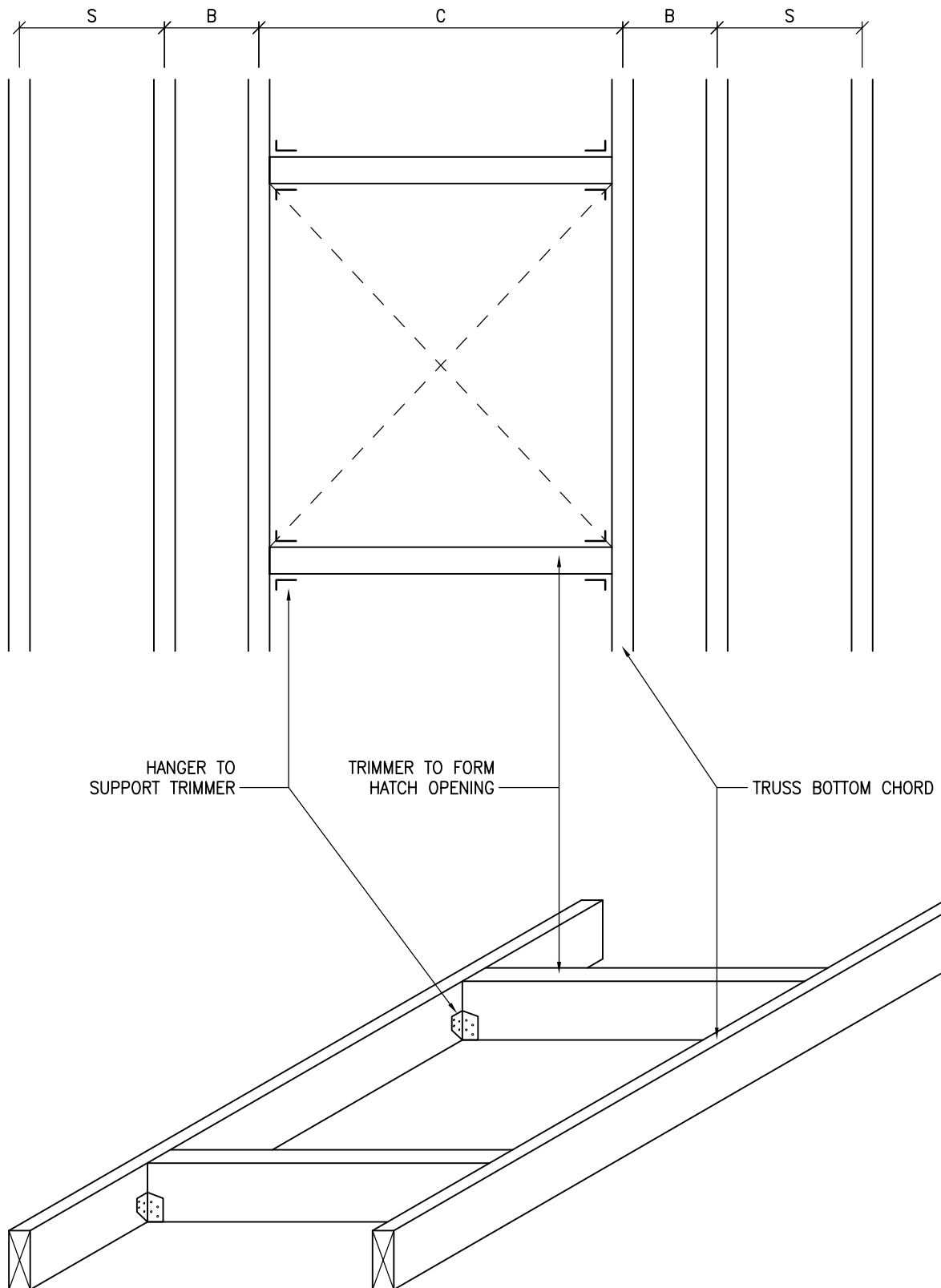
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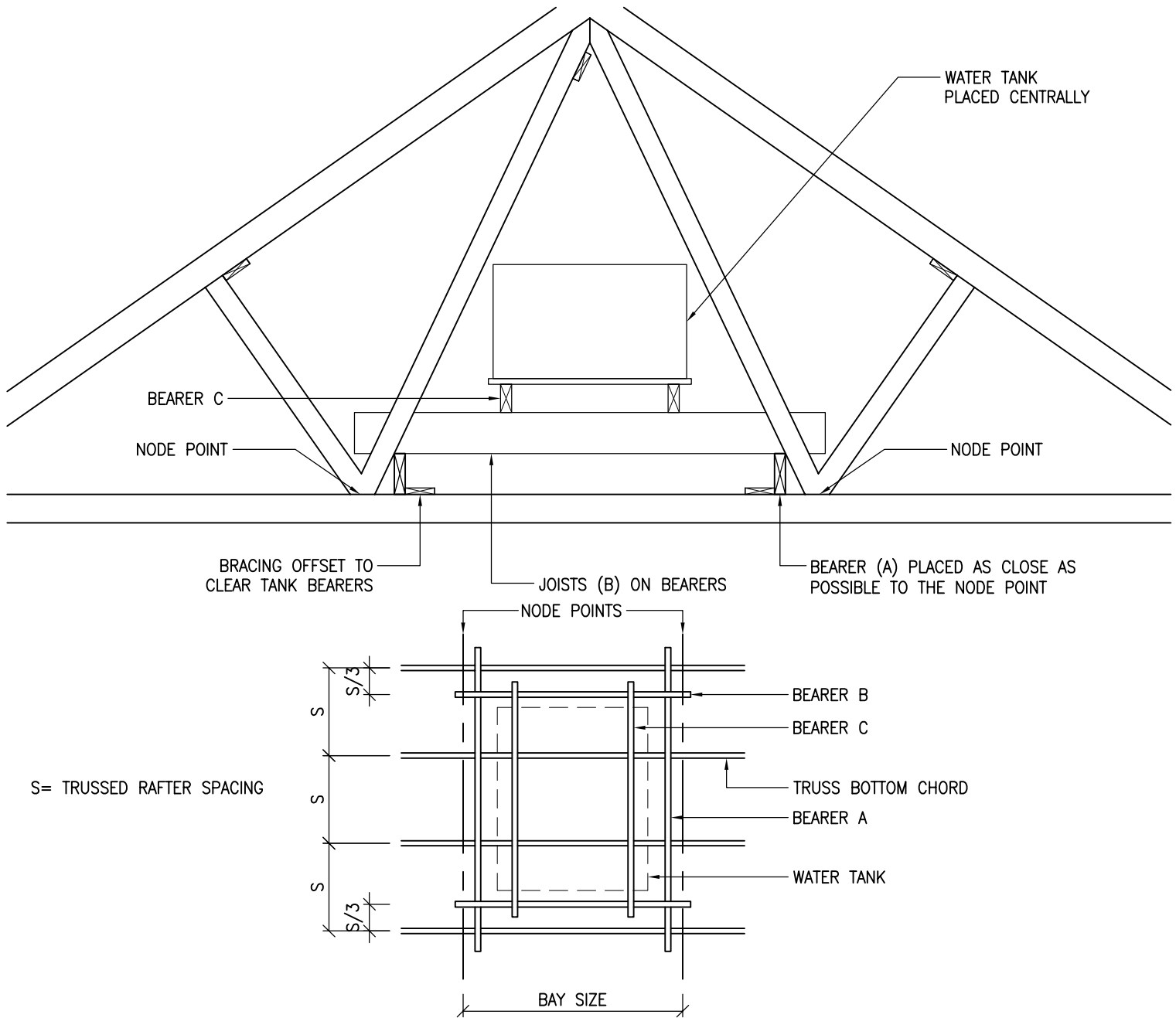
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2B MUST NOT BE MORE THAN 2S-C WHERE S IS THE STANDARD SPACING



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	DRAWING No: 3.1	REVISION: -	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	



S= TRUSSED RAFTER SPACING

SUPPORT MEMBER SIZES FOR DOMESTIC TANKS

TANK CAPACITY TO MARKED WATER LINE	MINIMUM MEMBER SIZE (mm)		MAX TRUSSED RAFTER SPAN FOR FINK (M)	MAX BAY SIZE FOR OTHER CONFIGURATIONS (M)
	A + C	B		
NOT MORE THAN 300 LITRES ON 4No. TRUSSED RAFTERS	47x72	2/35x98 or 1/47x120	6.50	2.20
	47x72	2/35x120 or 1/47x145	9.00	2.80
	47x72	2/35x145	12.00	3.80
NOT MORE THAN 230 LITRES ON 3No. TRUSSED RAFTERS	47x72	1/47x97	6.50	2.20
	47x72	2/35x97 or 1/47x120	9.00	2.80
	47x72	2/35x120 or 1/47x145	12.00	3.80

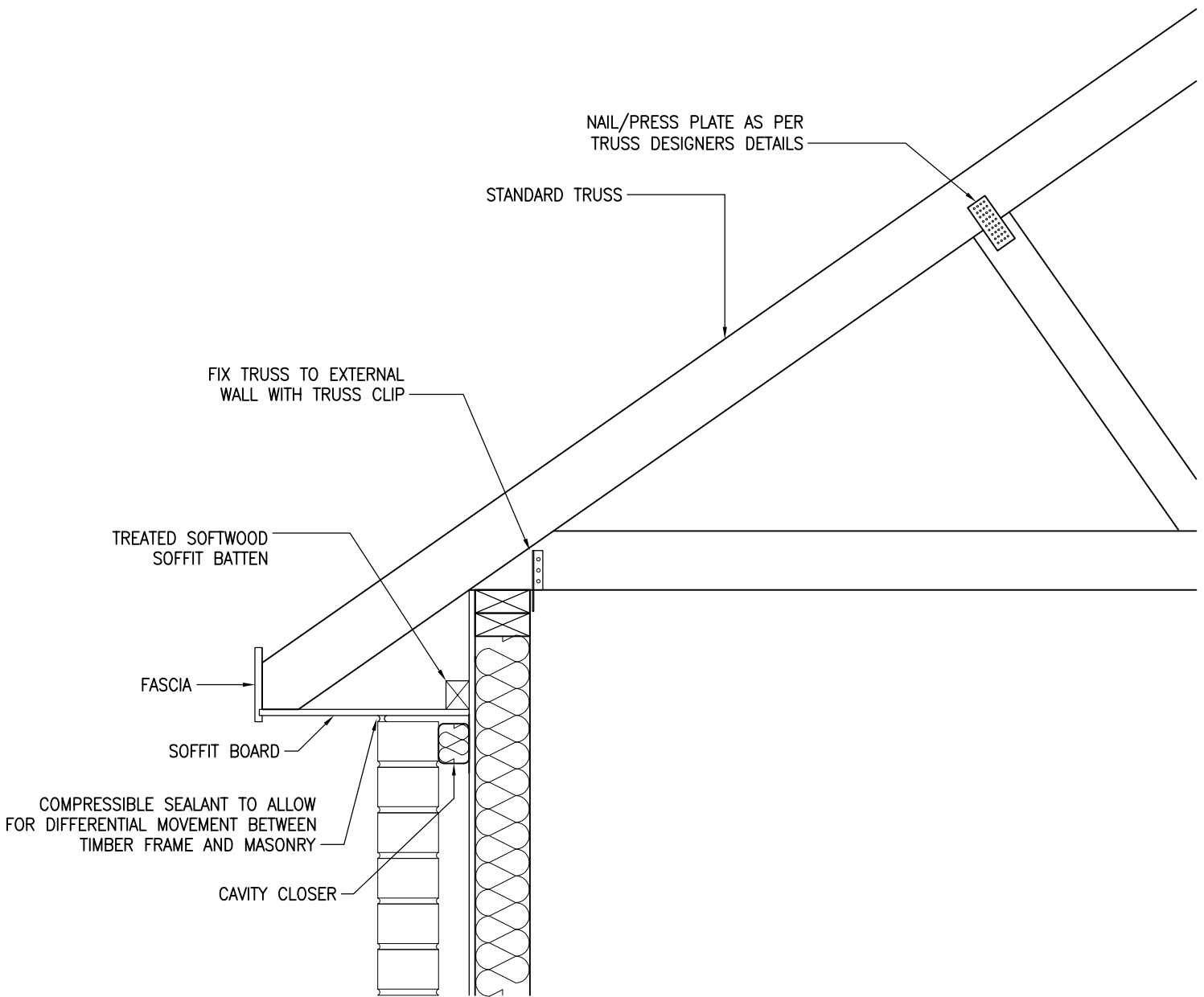



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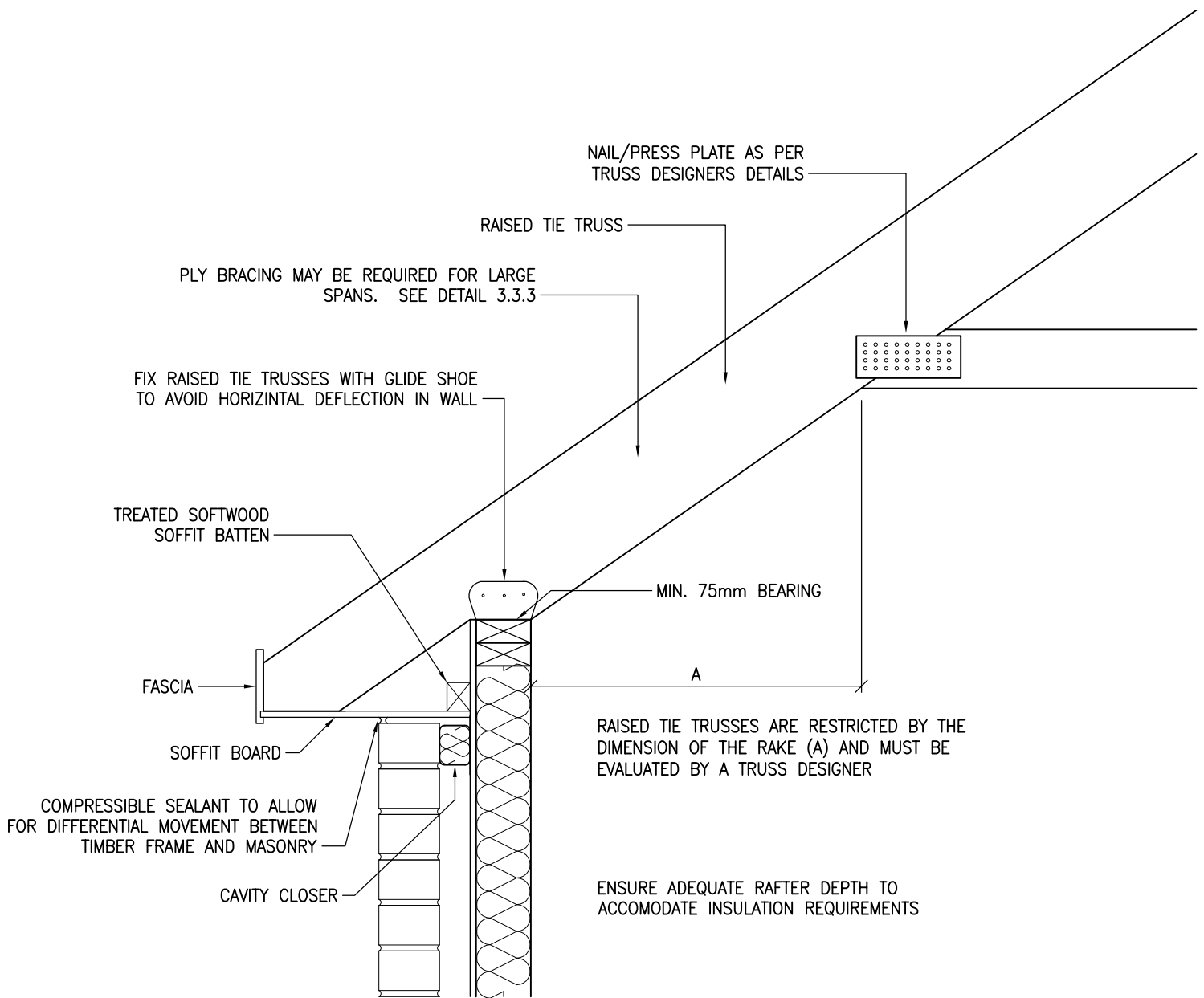
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TANK STAND

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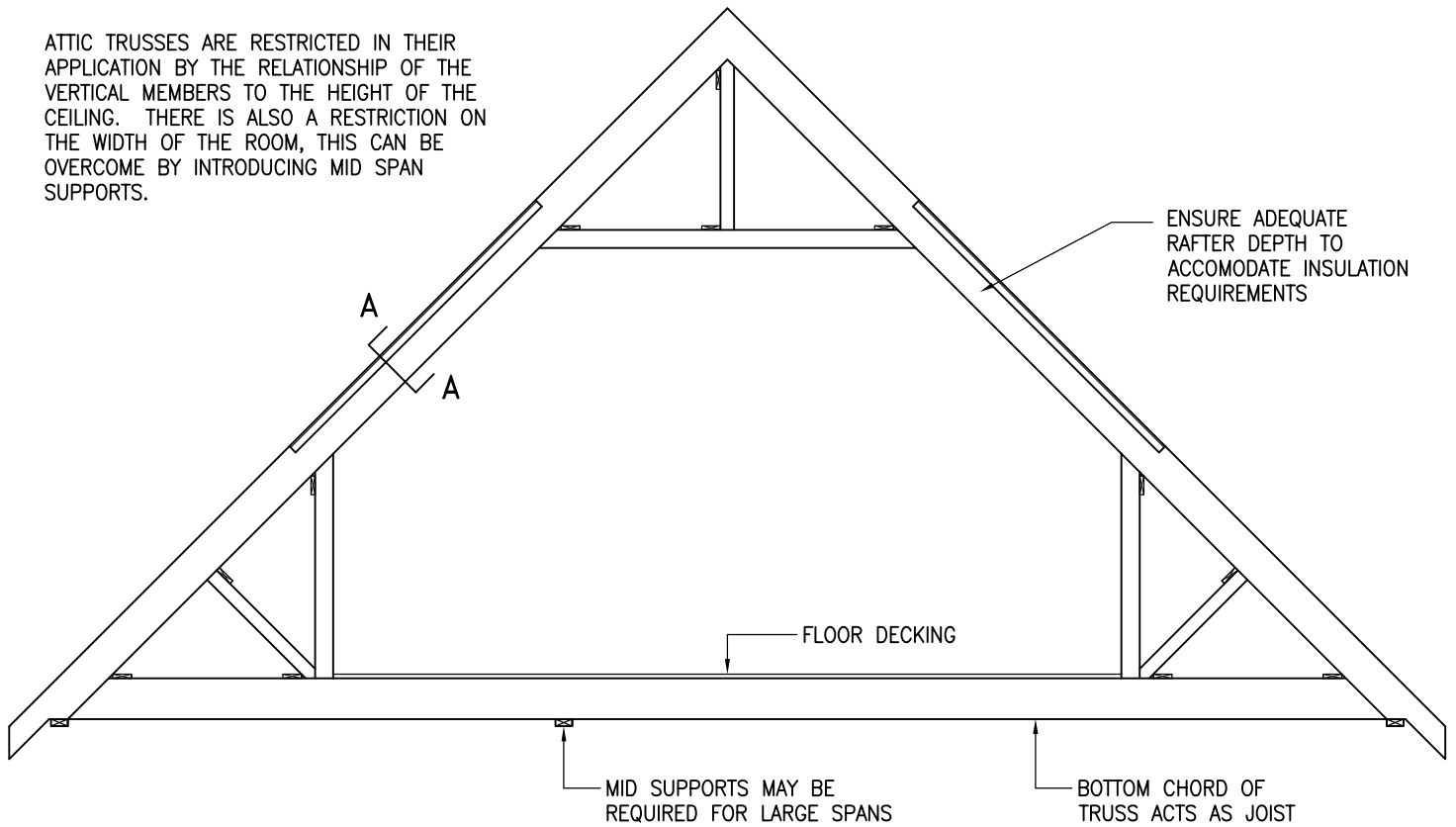


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	DRAWING No: 3.3.1	REVISION: -	SCALE: 1:20
	DRAWN BY: T.KNIGHT	DATE: JAN 08	

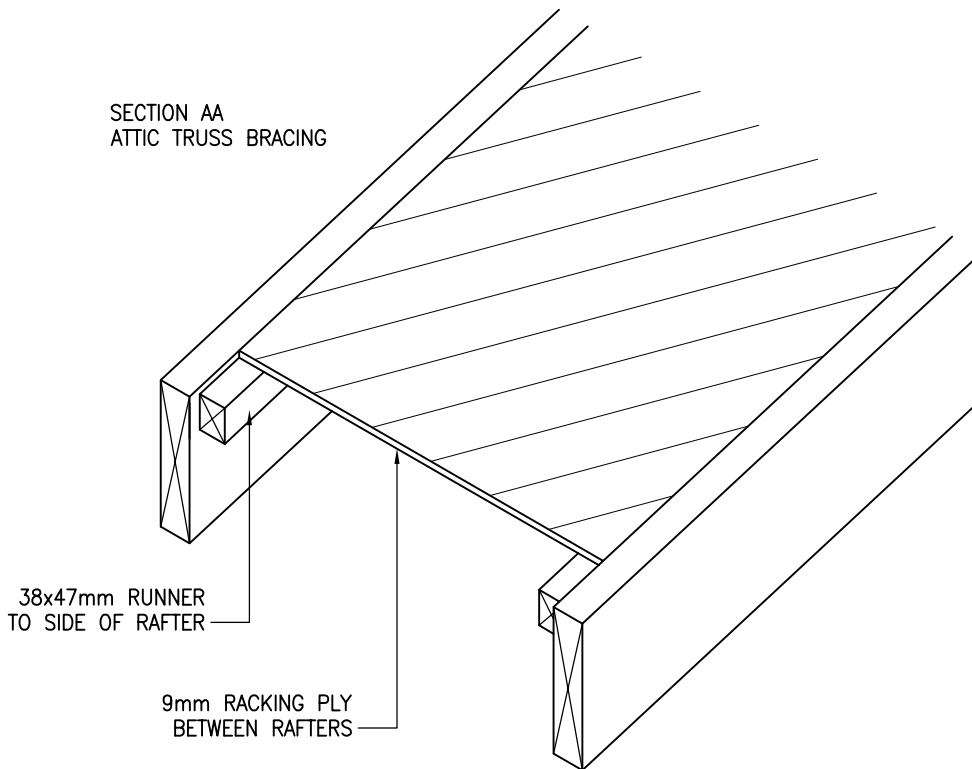



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	DRAWING No: 3.3.2	REVISION: A	SCALE: 1:20
	DRAWN BY: T.KNIGHT	DATE: JAN 08	

ATTIC TRUSSES ARE RESTRICTED IN THEIR APPLICATION BY THE RELATIONSHIP OF THE VERTICAL MEMBERS TO THE HEIGHT OF THE CEILING. THERE IS ALSO A RESTRICTION ON THE WIDTH OF THE ROOM, THIS CAN BE OVERCOME BY INTRODUCING MID SPAN SUPPORTS.



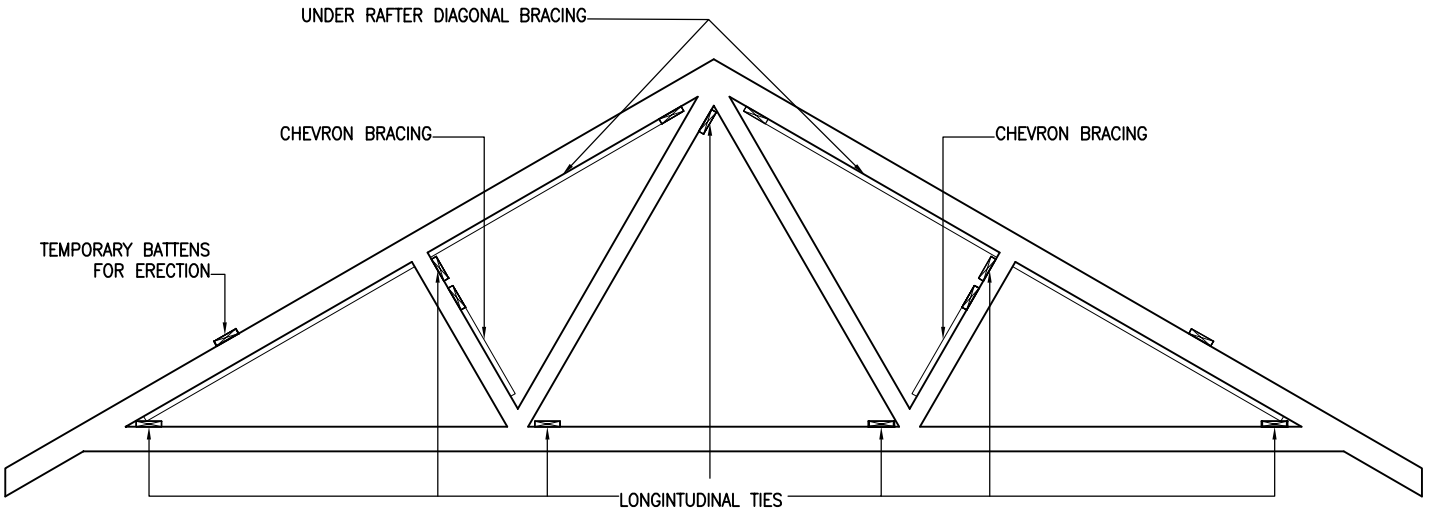
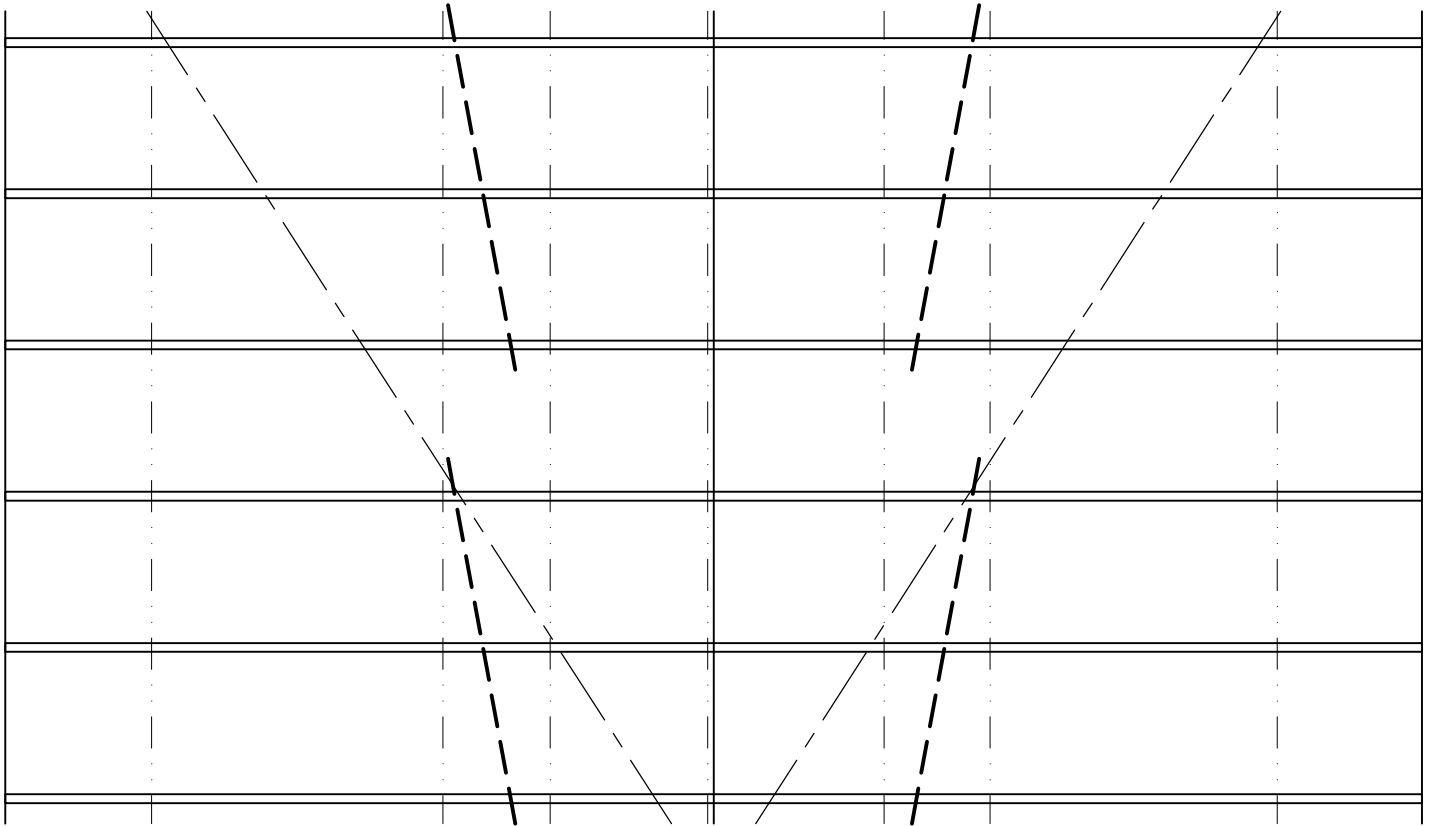
SECTION AA
ATTIC TRUSS BRACING



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	DRAWING No: 3.3.3	REVISION: A	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	

READ IN CONJUNCTION WITH DETAIL 3.4.1 – 3D ROOF BRACING

- UNDER RAFTER DIAGONAL BRACING:
REPEAT CONTINUOUSLY ALONG ROOF ENSURING THEY COVER MINIMUM 3No. RAFTERS. WHERE LAP JOINTS ARE REQUIRED ENSURE THEY ARE TAKEN OVER 2No. TRUSSES.
ALTERNATE DIRECTION OF BRACING ALONG THE ROOF.
- LONGITUDINAL TIES:
RUN ALONG ENTIRE LENGTH OF ROOF INSTALLED AS CLOSE TO NODE POINT AS POSSIBLE. SET DOWN TOP OF LONGITUDINAL TIES TO ALLOW UNDER RAFTER BRACING TO RUN THROUGH.
- CHEVRON BRACING:
FIXED AT APPROXIMATELY 45° AND NAILED TO AT LEAST 3No. TRUSSES.
REQUIRED AS NECESSARY TO SUIT BS5268 PART 3.

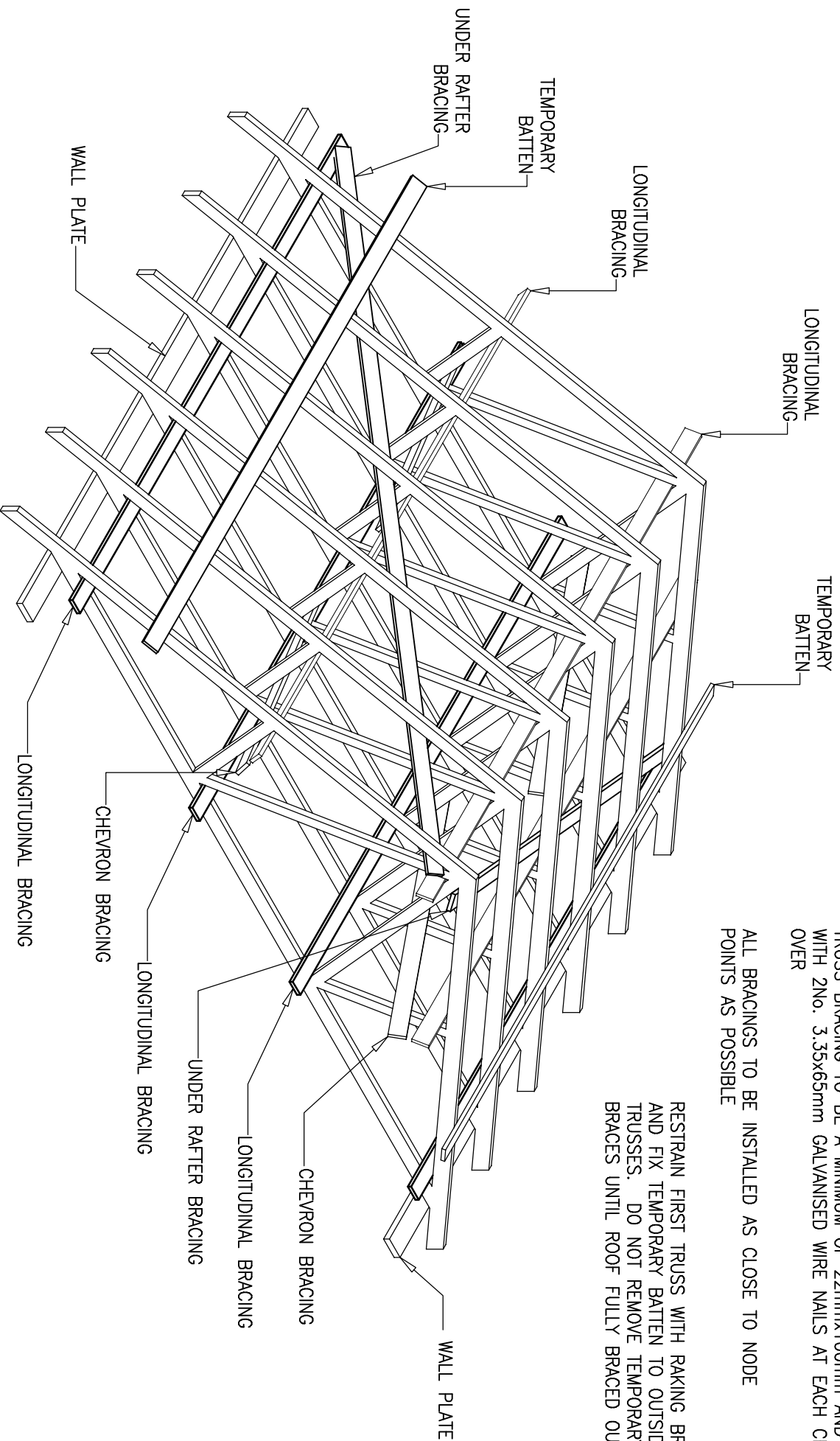




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 Old Woking
 SURREY
 GU22 9LL

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 FAX: 01483 770863
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DRAWING TITLE: ROOF BRACING		
DRAWING No: 3.4	REVISION: A	SCALE: NTS
DRAWN BY: T.KNIGHT	DATE: JAN 08	




TRUSS BRACING TO BE A MINIMUM OF 22mmx100mm AND FIXED WITH 2No. 3.35x65mm GALVANISED WIRE NAILS AT EACH CROSS OVER

ALL BRACINGS TO BE INSTALLED AS CLOSE TO NODE POINTS AS POSSIBLE

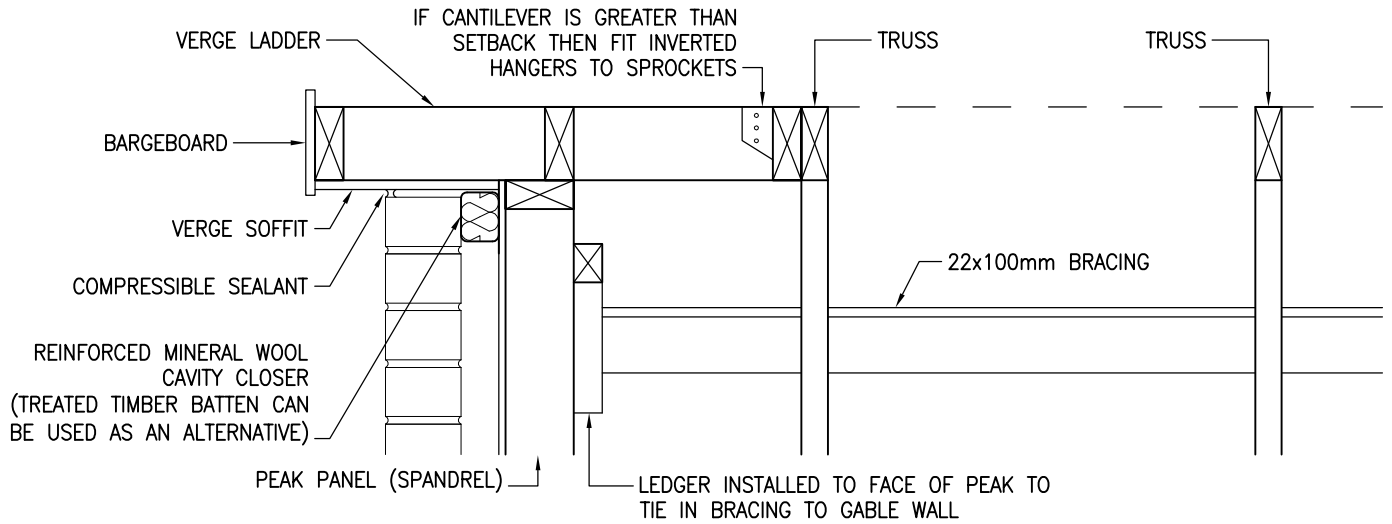
RESTRAIN FIRST TRUSS WITH RAKING BRACING AND FIX TEMPORARY BATTEN TO OUTSIDE OF TRUSSES. DO NOT REMOVE TEMPORARY BRACES UNTIL ROOF FULLY BRACED OUT

- A = UNDER RAFTER BRACING
- B = LONGITUDINAL BRACING
- C = CHEVRON BRACING

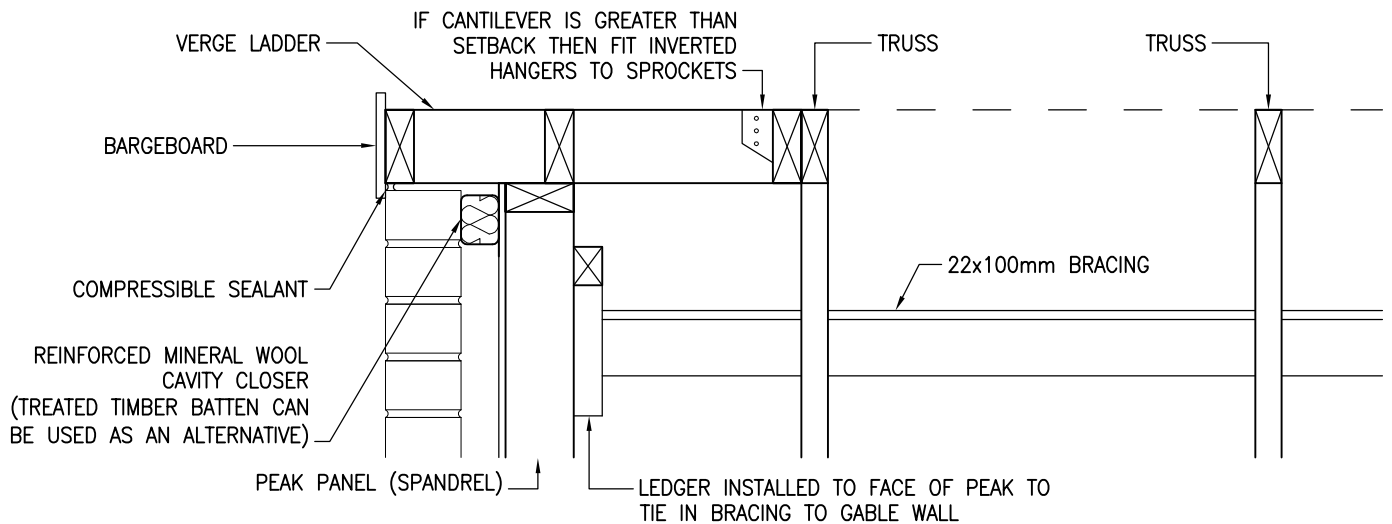
READ IN CONJUNCTION WITH DETAIL 3.4 FOR PLAN LAYOUT OF BRACING

 <p>Building 1 Grosvenor Court Hipleay Street Old Woking SURREY GU22 9LL</p>		DRAWING TITLE:	
		3D ROOF BRACING	
TEL: 01483 769518	FAX: 01483 770863	DRAWING No:	REVISION:
E-MAIL: design@silvatecdesign.com		3.4.1	-
		SCALE:	DATE:
		NTS	JAN 08
		DRAWN BY:	T.KNIGHT

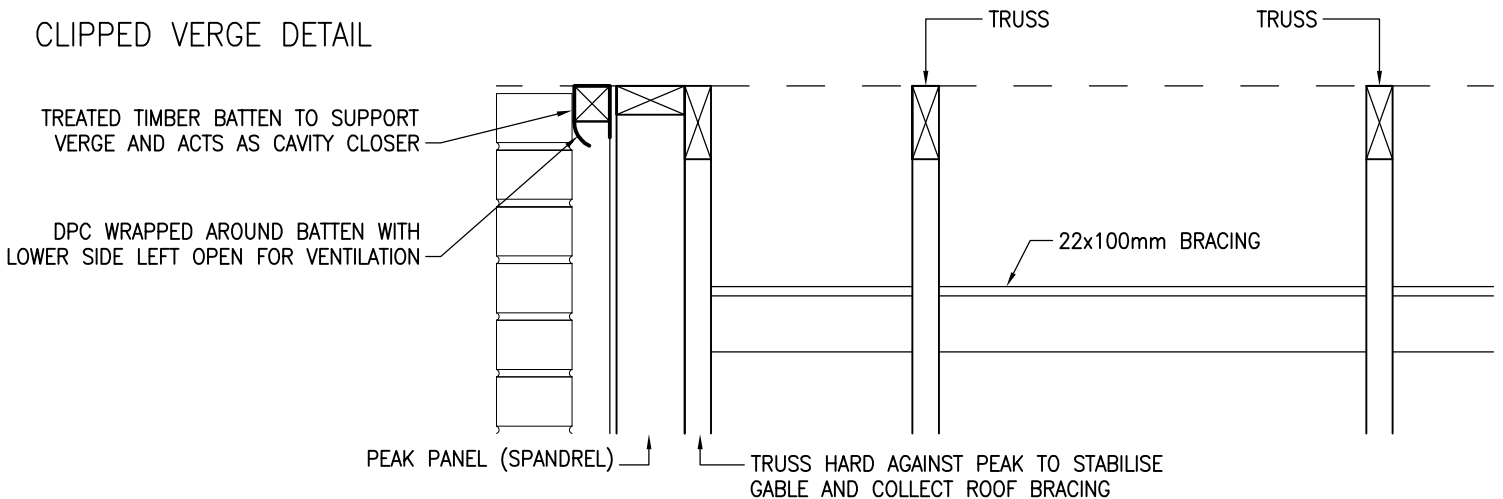
OVERHANGING VERGE DETAIL



FLUSH VERGE DETAIL



CLIPPED VERGE DETAIL



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DRAWING TITLE:
VERGE DETAILS

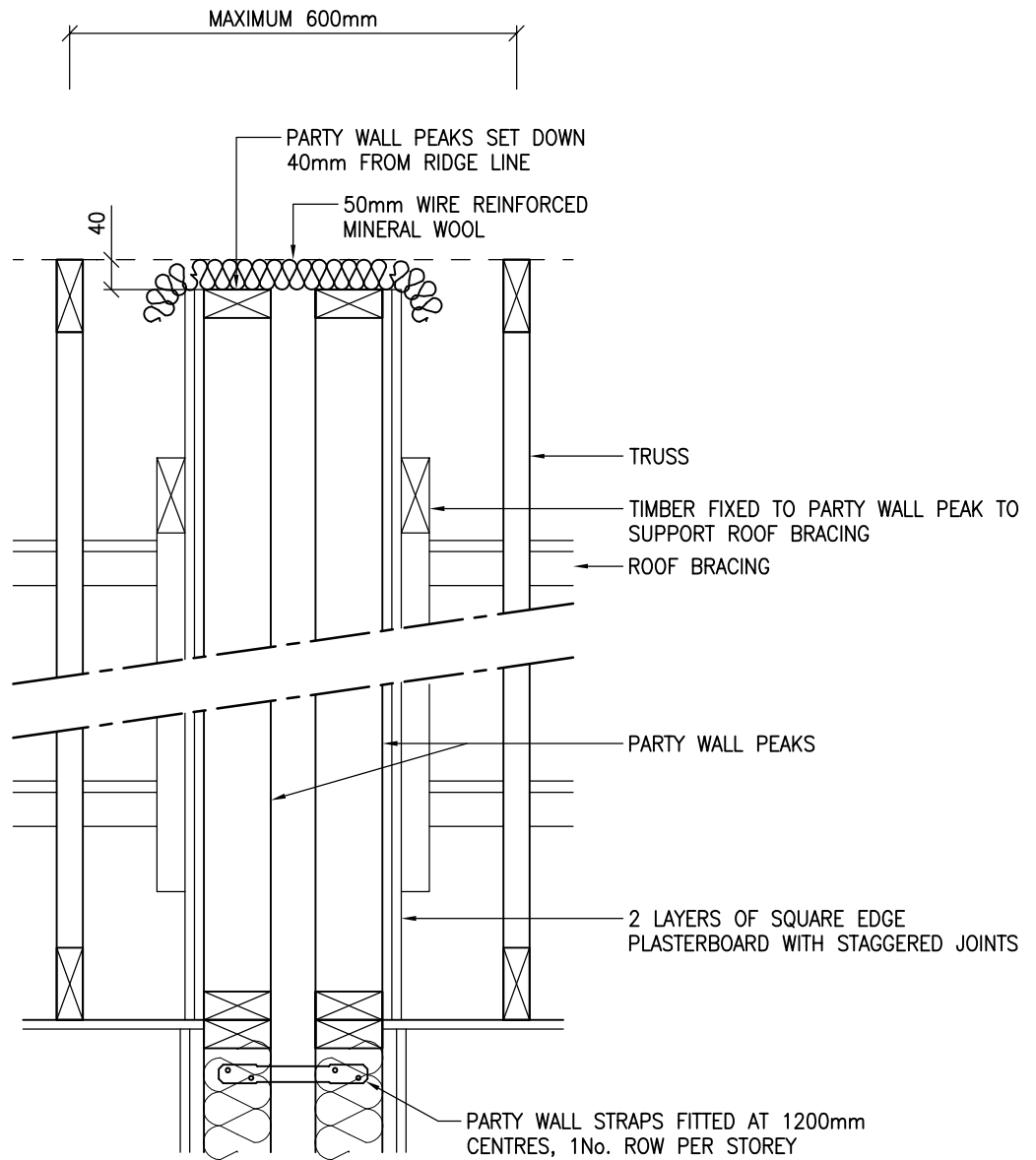
DRAWING No:
3.5.1

REVISION:
-

SCALE:
1:10


DRAWN BY:
T.KNIGHT

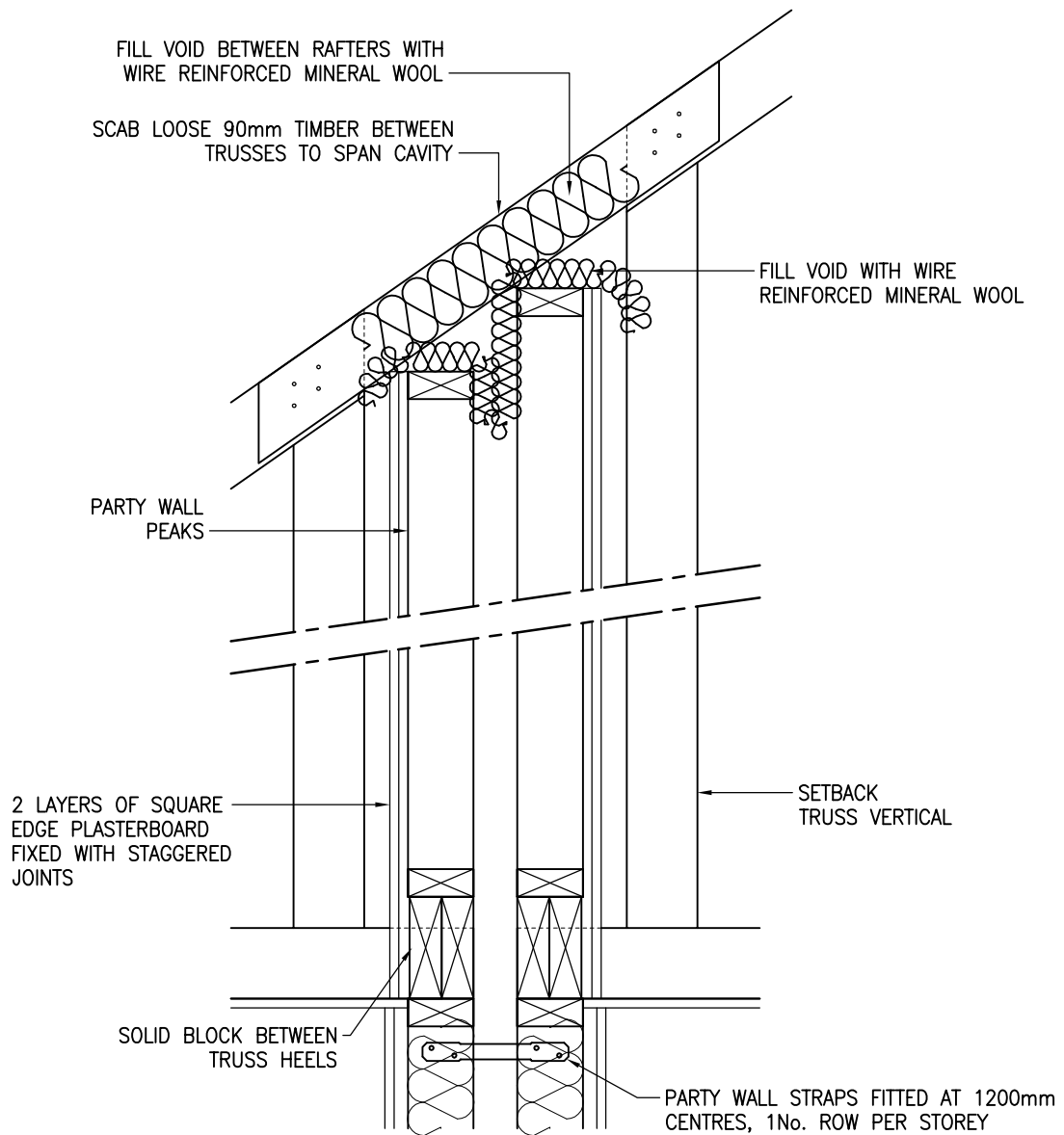
DATE:
JAN 08



NOTE:

DETAIL SHOWN IS FOR A "SOFT PEAK". IF PARTY WALL PEAKS ARE NOT SET DOWN, OR THE TRUSSES ARE NOT SET AT A MAXIMUM OF 600mm ABOUT THE CENTRELINE, THEN THE TILE BATTEN WILL BE FORCED TO BEAR ON THE PEAKS. AS THE TRUSSES WILL DEFLECT RELATIVE TO THE PEAKS THEN OVER TIME A RAISED SECTION WILL BE FORMED IN THE ROOF PLANE. THIS IS REFERRED TO AS A "HARD PEAK" AND SHOULD BE AVOIDED.

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	DRAWING No: 3.5.2	REVISION: A	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	



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DRAWING TITLE:
 TRUSS PERPENDICULAR
 TO SEPARATING WALL

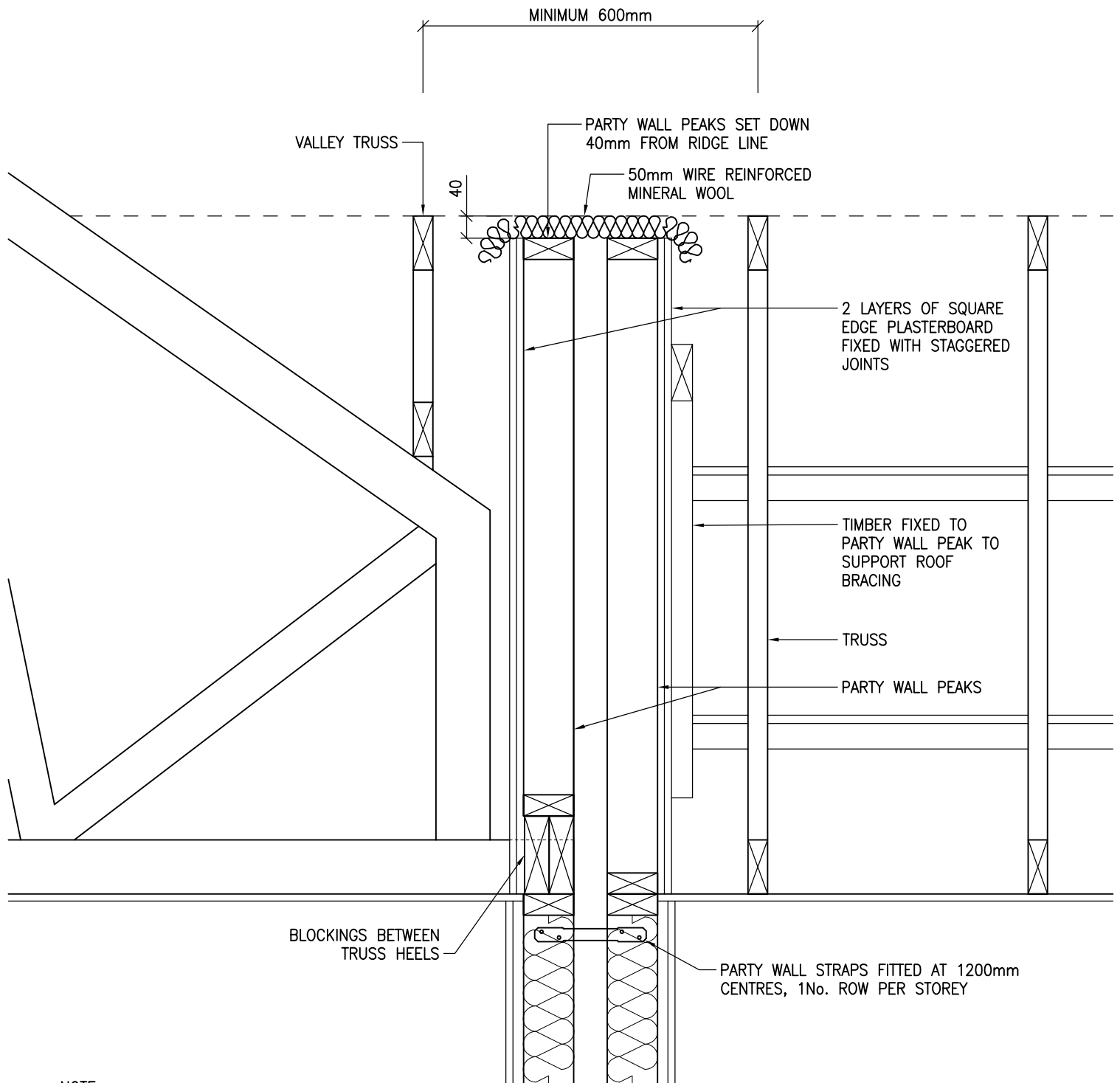
DRAWING No:
 3.5.3

REVISION:
 -

SCALE:
 1:10


DRAWN BY:
 T.KNIGHT

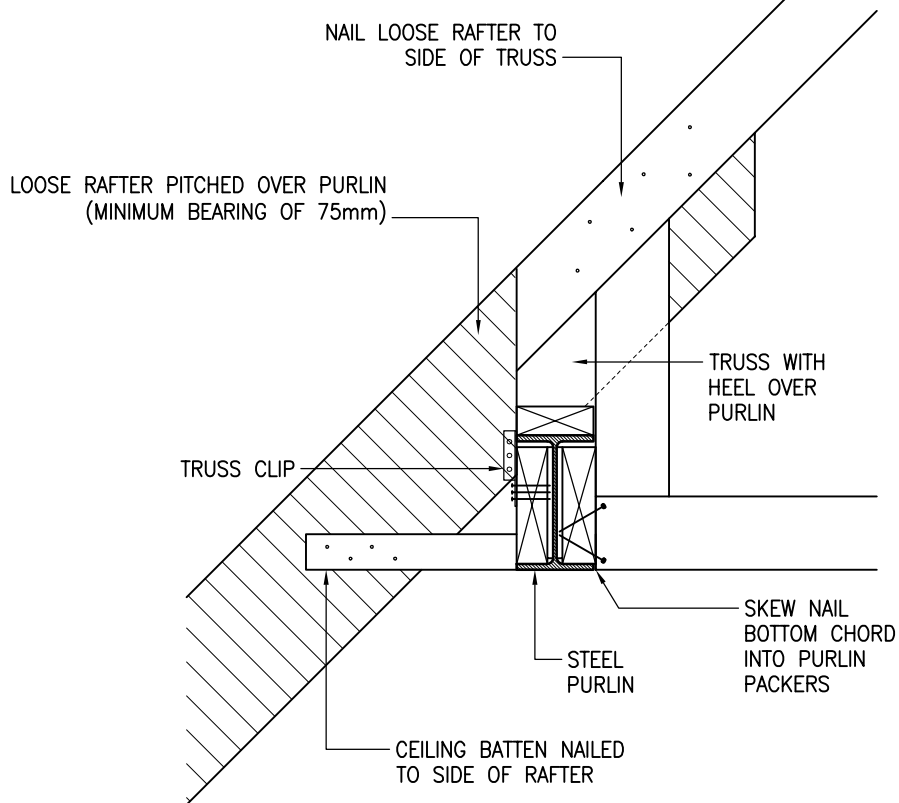
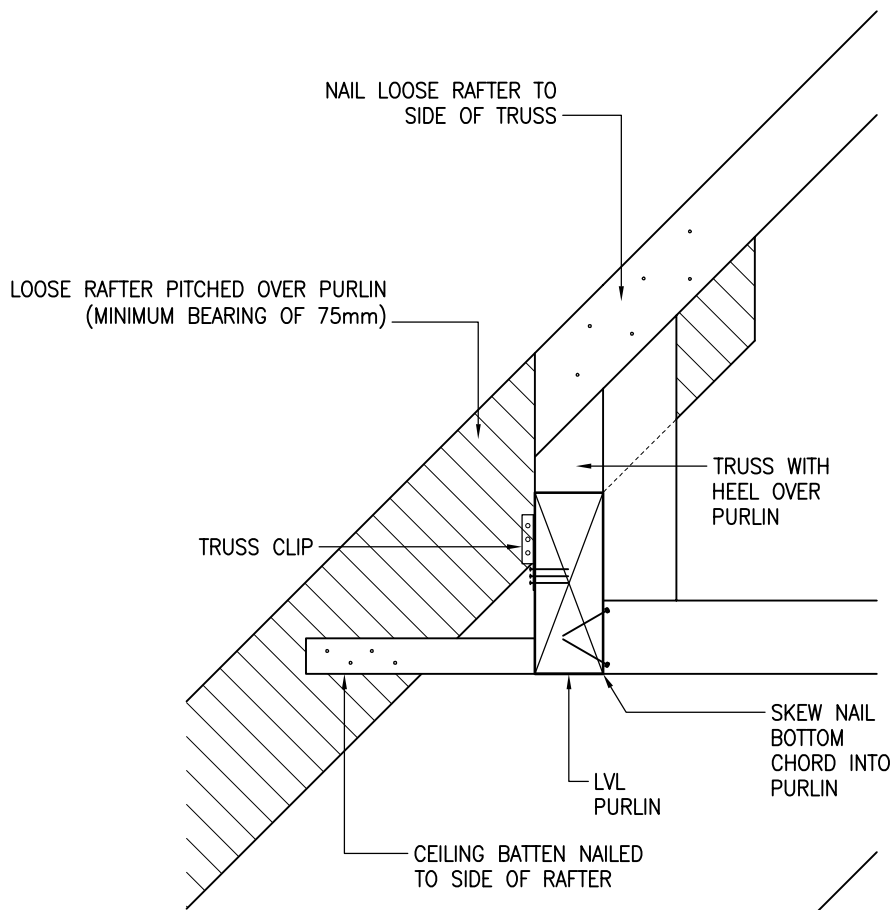
DATE:
 JAN 08



NOTE:

DETAIL SHOWN IS FOR A "SOFT PEAK". IF PARTY WALL PEAKS ARE NOT SET DOWN, OR THE TRUSSES ARE NOT SET AT A MAXIMUM OF 600mm ABOUT THE CENTRELINE, THEN THE TILE BATTEN WILL BE FORCED TO BEAR ON THE PEAKS. AS THE TRUSSES WILL DEFLECT RELATIVE TO THE PEAKS THEN OVER TIME A RAISED SECTION WILL BE FORMED IN THE ROOF PLANE. THIS IS REFERRED TO AS A "HARD PEAK" AND SHOULD BE AVOIDED.

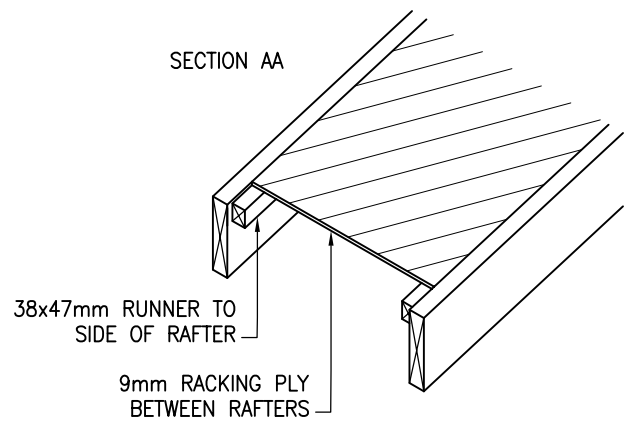
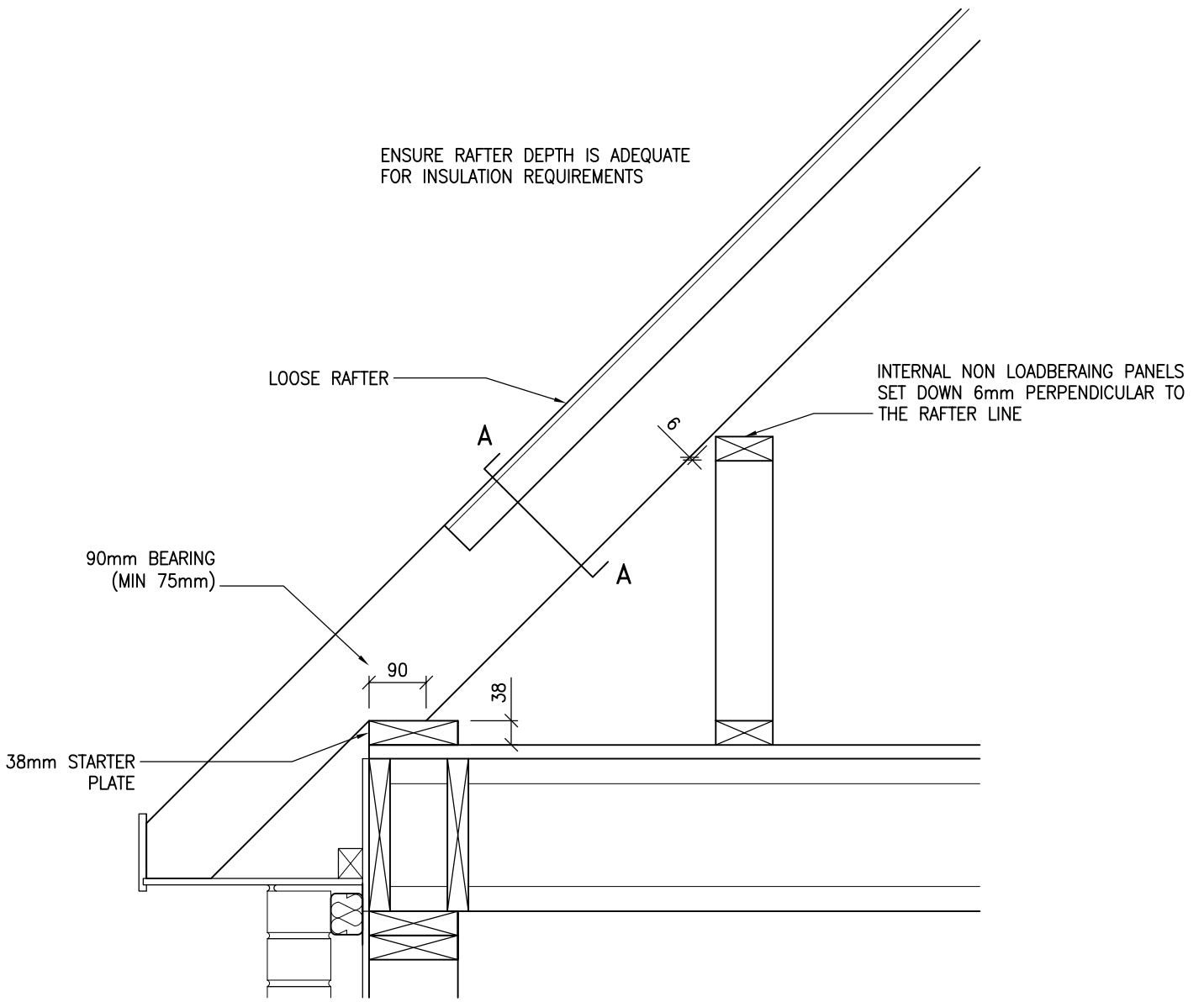
 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: TRUSS AT RIGHT ANGLES TO EACH OTHER AT SEPARATING WALL		
	DRAWING No: 3.5.4	REVISION: A	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	




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DRAWING TITLE: PURLIN CONNECTIONS		
DRAWING No: 3.6	REVISION: A	SCALE: 1:10
DRAWN BY: T.KNIGHT	DATE: JAN 08	

ENSURE RAFTER DEPTH IS ADEQUATE FOR INSULATION REQUIREMENTS

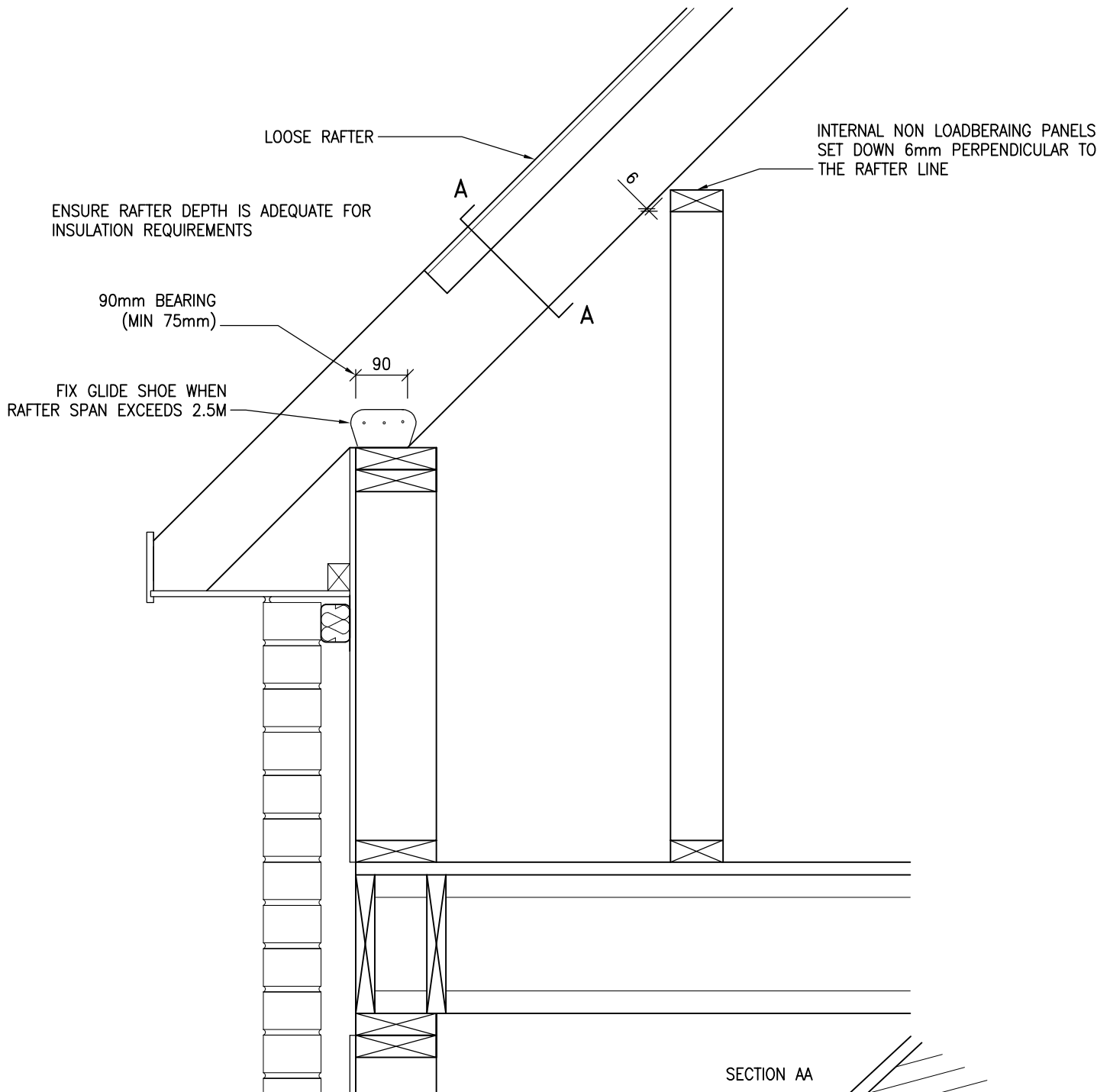


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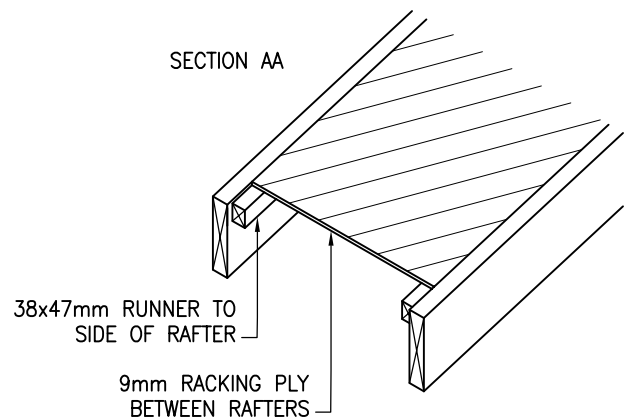
TEL: 01483 769518
 FAX: 01483 770863
 E-MAIL: design@silvatecdesign.com

DRAWING TITLE:
RAFTERS ON FLOOR DECK

DRAWING No: 3.7.1	REVISION: A	SCALE: 1:10
DRAWN BY: T.KNIGHT	DATE: JAN 08	



SECTION AA



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DRAWING TITLE:
 RAFTERS ON DWARF WALL

DRAWING No:
 3.7.2

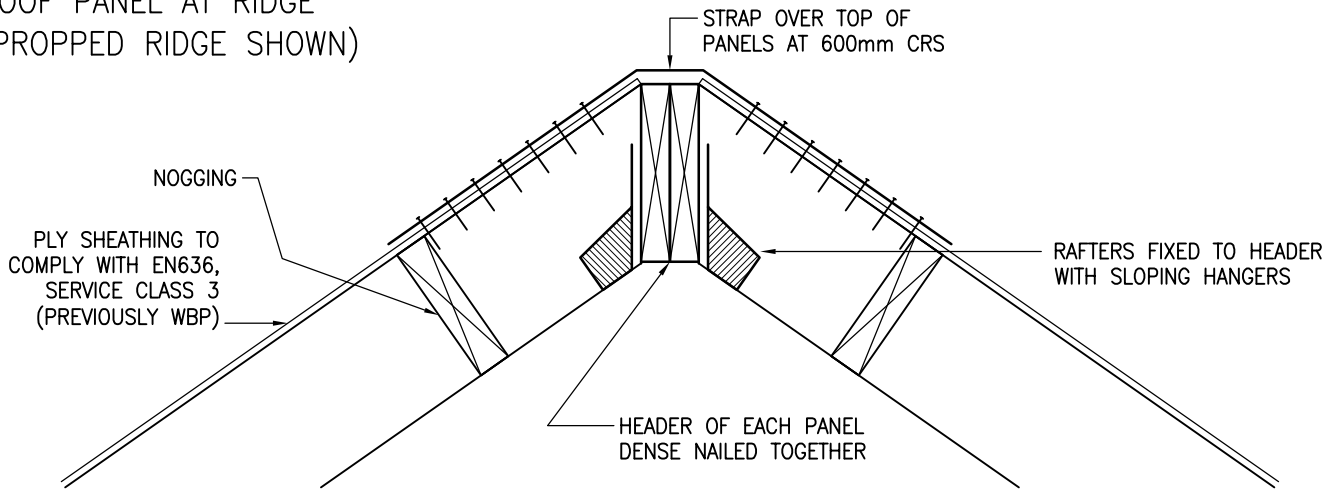
REVISION:
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SCALE:
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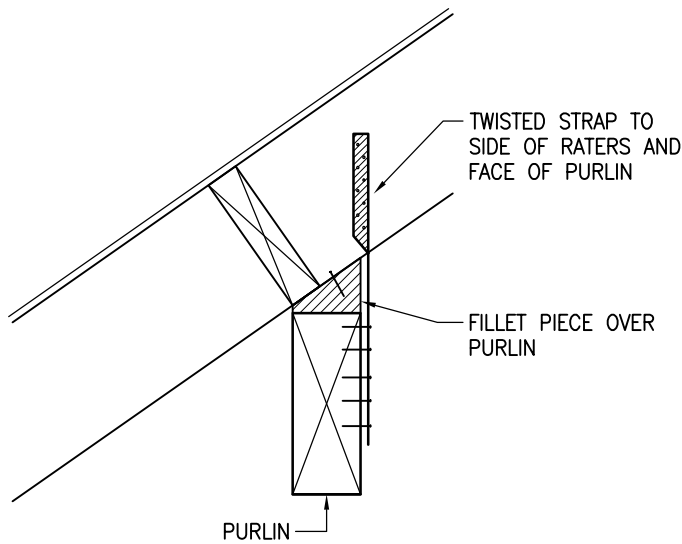
DRAWN BY:
 T.KNIGHT

DATE:
 JAN 08

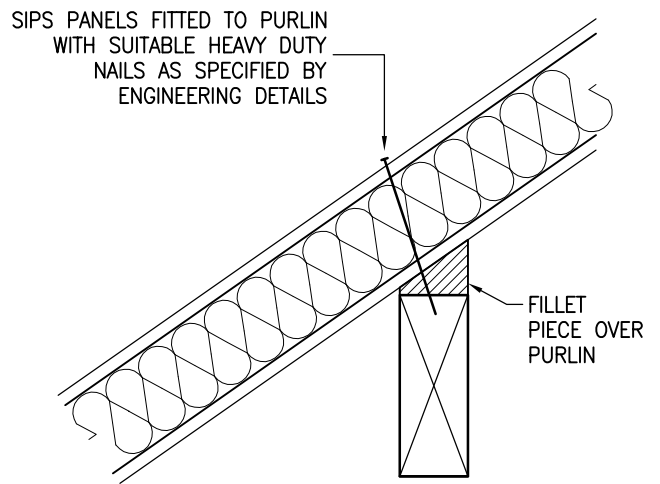
ROOF PANEL AT RIDGE
(PROPPED RIDGE SHOWN)



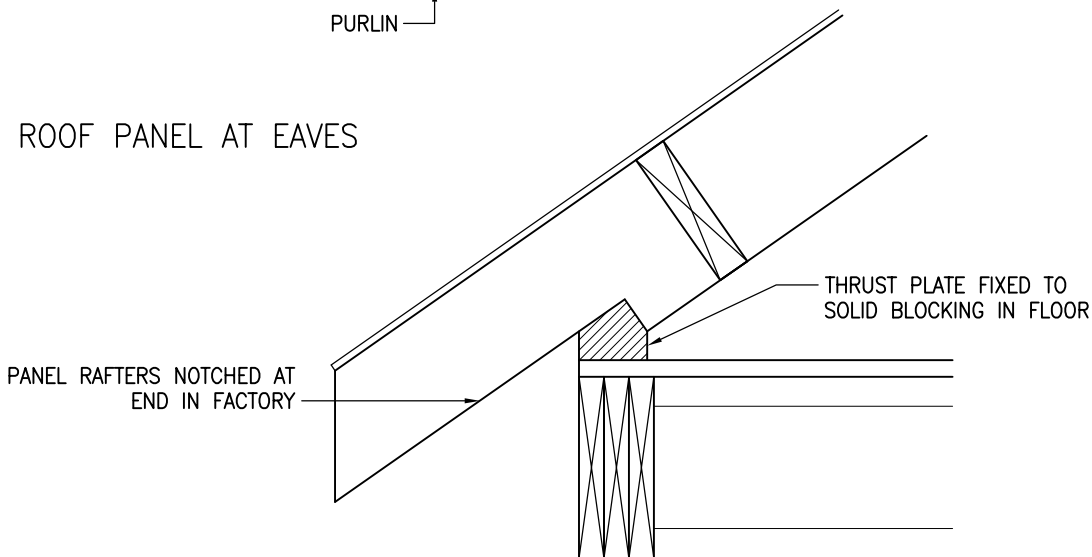
ROOF PANEL AT PURLIN



SIPS AT PURLIN



ROOF PANEL AT EAVES



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DRAWING TITLE:
ROOF PANEL CONNECTIONS

DRAWING No:
3.8.1

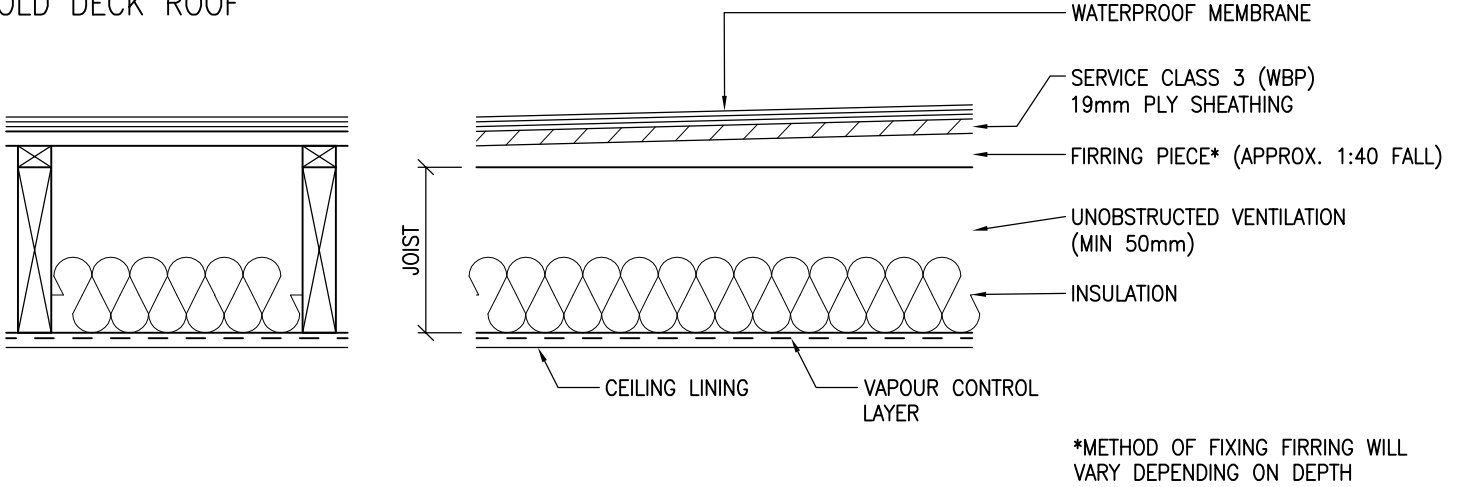
REVISION:
-

SCALE:
1:10

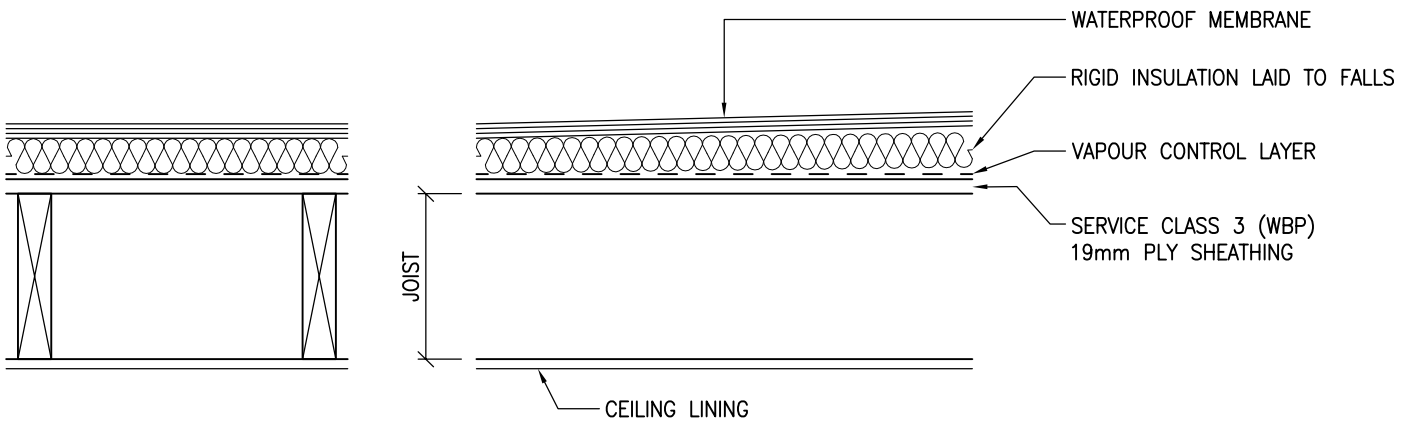
DRAWN BY:
T.KNIGHT


DATE:
JAN 08

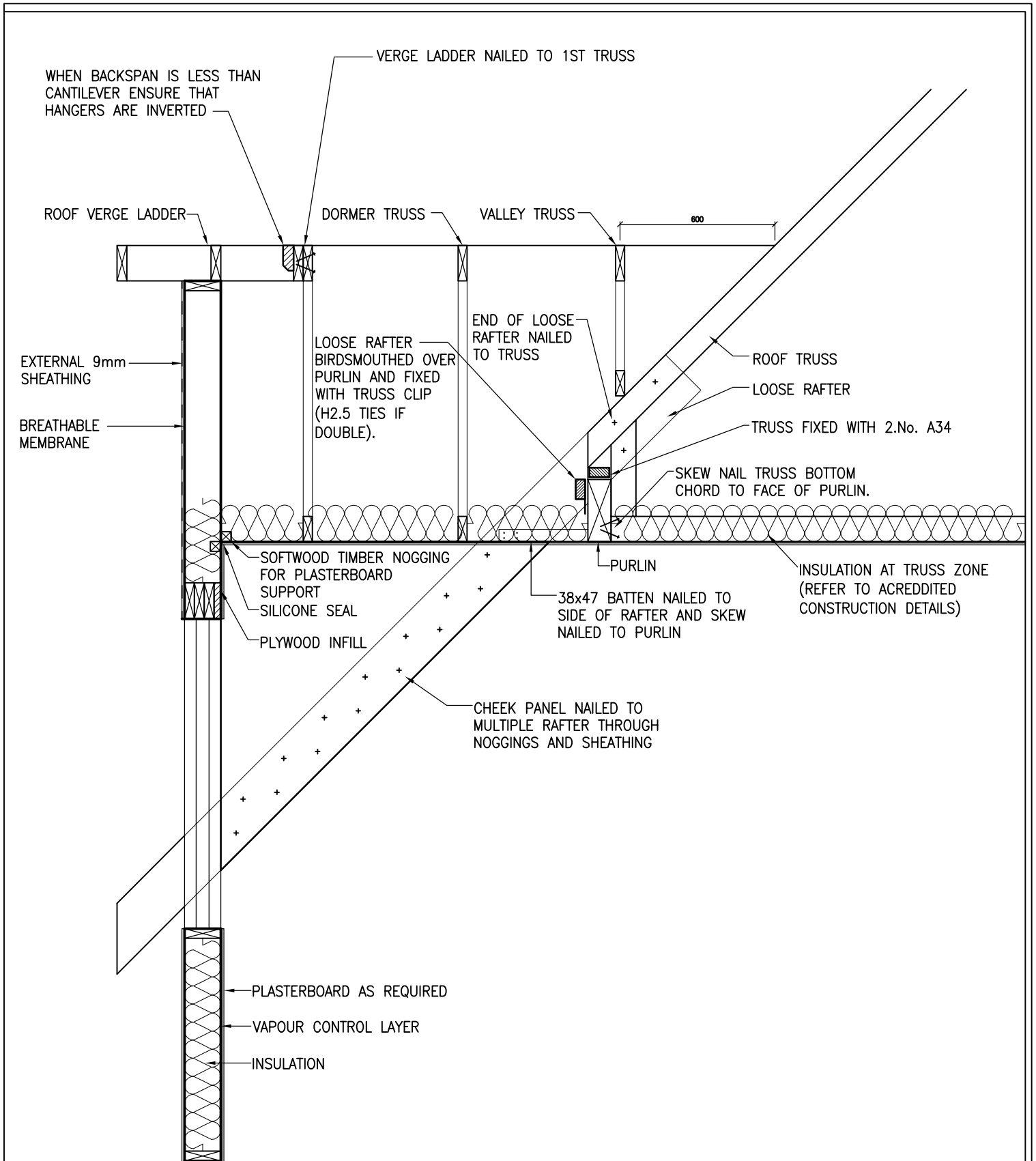
COLD DECK ROOF




WARM DECK ROOF

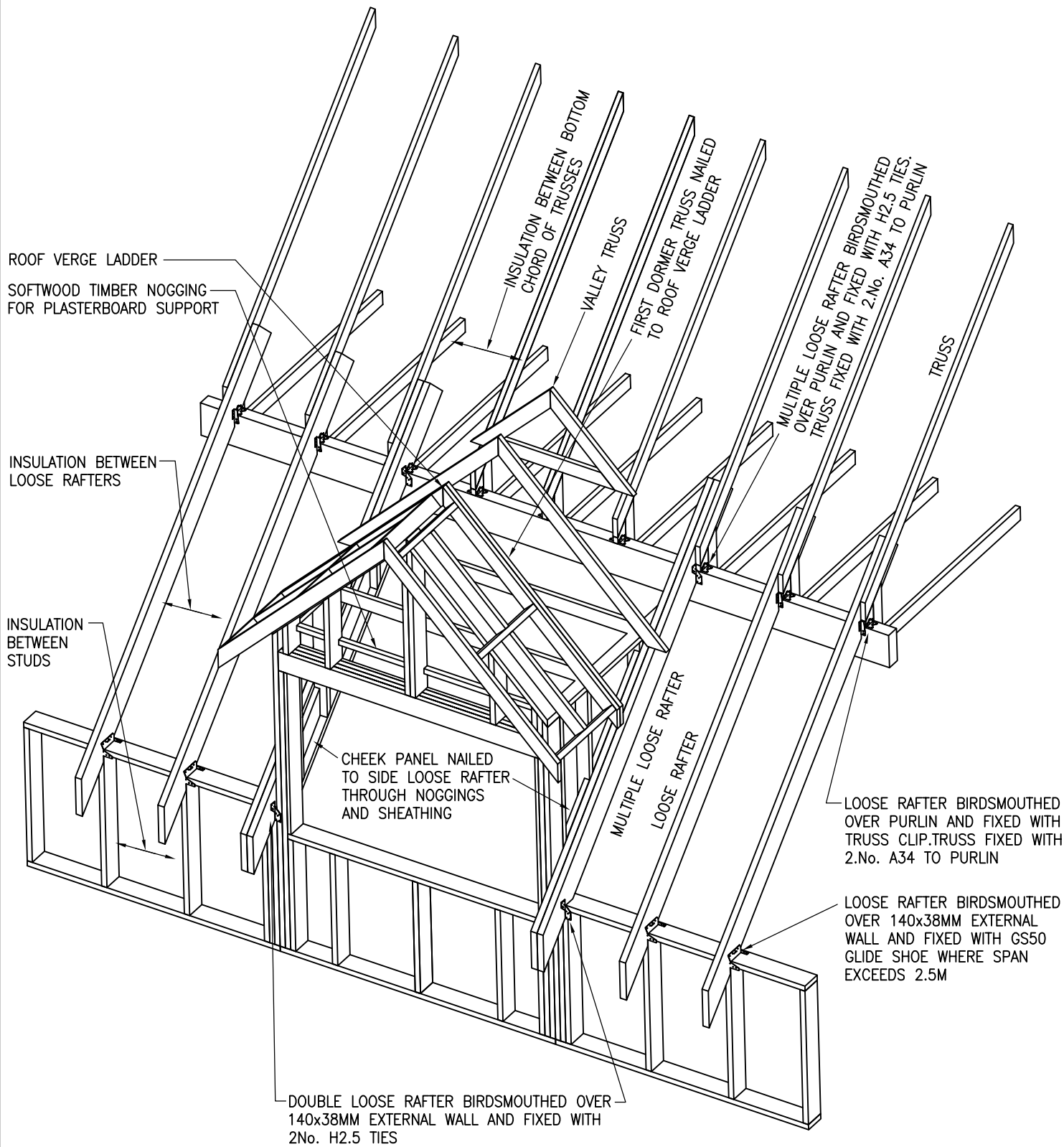


 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: FLAT ROOF JOISTS AND DECK		
	DRAWING No: 3.9	REVISION: -	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	



TO SEE DETAIL IN PERSPECTIVE, REFER TO DRAWING No.1.2

 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: DORMER-SECTION		
	DRAWING No: 3.10	REVISION: -	SCALE: 1:20
	DRAWN BY: M.SINGLIAR	DATE: APR 08	



TO SEE DETAIL IN SECTION, REFER TO DRAWING No.???



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DRAWING TITLE:
DORMER – PERSPECTIVE

DRAWING No:
3.11

REVISION:
–

SCALE:
NTS

DRAWN BY:
M.SINGLIAR

DATE:
APR 08

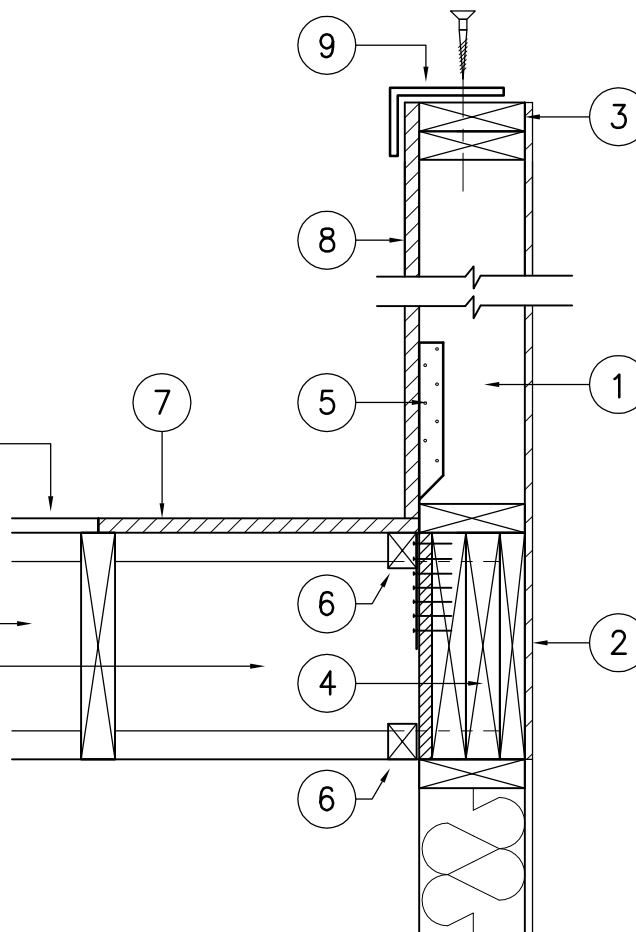
NOTE: PARAPET STUDS TO BE OFFSET FROM JOISTS BY 150mm TO ENSURE THAT MTS12 STRAP CAN BE FIXED.

NOTE: DETAIL APPLIES TO A MAXIMUM PARAPET HEIGHT OF 1300MM FROM TOP OF DECK. THOSE THAT EXCEED 1100MM REQUIRE ADDITIONAL WIND CHECK.

FLOORING GRADE BOARD
(COMMONLY 19MM
SERVICE CLASS 3 PLY)

JOIST (FJI JOIST SHOWN)

FLOOR ZONE INSULATION
OMITTED FOR CLARITY



ERECT SEQUENCE

1. FIX PANEL DOWN TO HEADER BEAM
2. FIX DOWNSTAND SHEATHING TO OUTSIDE OF HEADER BEAM
3. FIX 38 x 140 TOP TIE RAIL
4. FIX KERTO BLOCKINGS & PLY TO HEADER (IF NOT DONE IN FACTORY)
5. FIX 2 No. MTS12 TWIST STRAPS TO EVERY PARAPET STUD AT 300mm CENTRES AND DOWN FACE OF HEADER BEAM
6. FIX 38 x 47 NOGGIN TO INSIDE FACE OF BLOCKING (AT BOTH TOP & BOTTOM)
7. FIX 19mm PLY INFILL DECK
8. FIX 19mm UPSTAND PLY
9. IF PARAPET HEIGHT IS GREATER THAN 4500MM – FIX ANGLE TO TOP OF RAIL WITH 10MM COACH SCREWS

PLEASE NOTE THAT THIS DETAIL IS A CONSTRUCTION AID AND SILVATEC CANNOT TAKE ANY RESPONSIBILITY FOR THIS DETAIL ON ANY PROJECT WHERE SILVATEC DESIGN HAVE NOT UNDERTAKEN THE ENGINEERING.



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DRAWING TITLE:
PARAPET FIXING – JOISTS PERPENDICULAR

DRAWING No:
3.12

REVISION:
–

SCALE:
1:10

DRAWN BY:
T.ROBERTS

DATE:
DEC 08

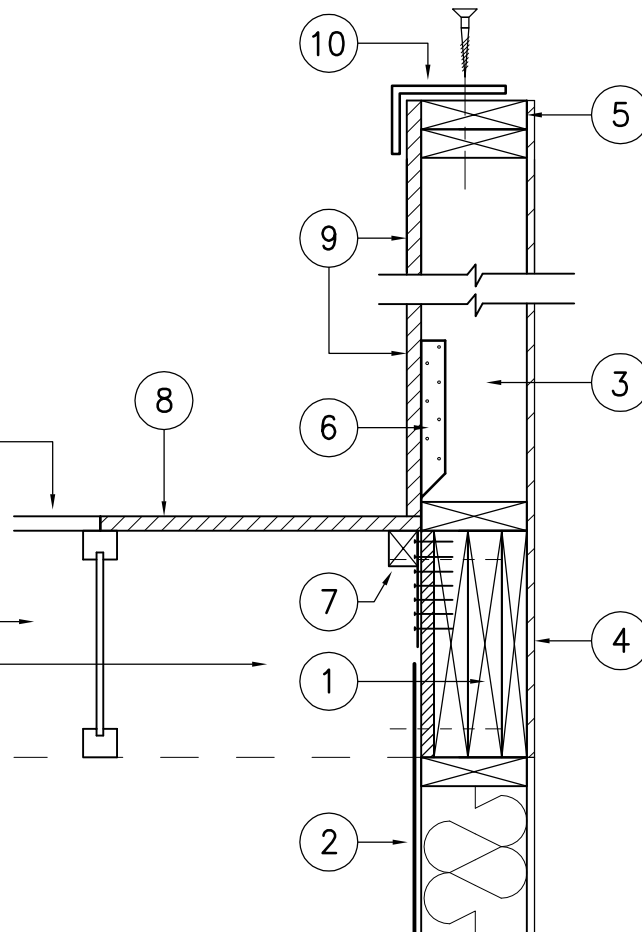
NOTE: PARAPET STUDS TO BE OFFSET FROM JOISTS BY 150mm TO ENSURE THAT MTS12 STRAP CAN BE FIXED.

NOTE: DETAIL APPLIES TO A MAXIMUM PARAPET HEIGHT OF 1300MM FROM TOP OF DECK. THOSE THAT EXCEED 1100MM REQUIRE ADDITIONAL WIND CHECK BY STRUCTURAL ENGINEER.

FLOORING GRADE BOARD
(COMMONLY 19MM
SERVICE CLASS 3 PLY)

JOIST (FJI JOIST SHOWN)

FLOOR ZONE INSULATION
OMITTED FOR CLARITY



ERECT SEQUENCE

1. FIX KERTO BLOCKINGS & PLY TO HEADER (IF NOT DONE IN FACTORY)
2. FIX HEADER BEAM TO EVERY STUD WITH LSTA18 STRAIGHT STRAP
3. FIX PANEL DOWN TO HEADER BEAM
4. FIX DOWNSTAND SHEATHING TO OUTSIDE OF HEADER BEAM
5. FIX 38 x 140 TOP TIE RAIL
6. FIX 2 No. MTS12 TWIST STRAPS TO EVERY PARAPET STUD AT 300mm CENTRES AND DOWN FACE OF HEADER BEAM
7. FIX 38 x 47 NOGGIN TO INSIDE FACE OF BLOCKING (AT BOTH TOP & BOTTOM)
8. FIX 19mm PLY INFILL DECK
9. FIX 19mm UPSTAND PLY
10. IF PARAPET LENGTH IS GREATER THAN 4500MM – FIX ANGLE TO TOP OF RAIL WITH 10MM COACHSCREWS

PLEASE NOTE THAT THIS DETAIL IS A CONSTRUCTION AID AND SILVATEC CANNOT TAKE ANY RESPONSIBILITY FOR THIS DETAIL ON ANY PROJECT WHERE SILVATEC DESIGN HAVE NOT UNDERTAKEN THE ENGINEERING.



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DRAWING TITLE:
PARAPET FIXING – JOISTS PARALLEL

DRAWING No:
3.13

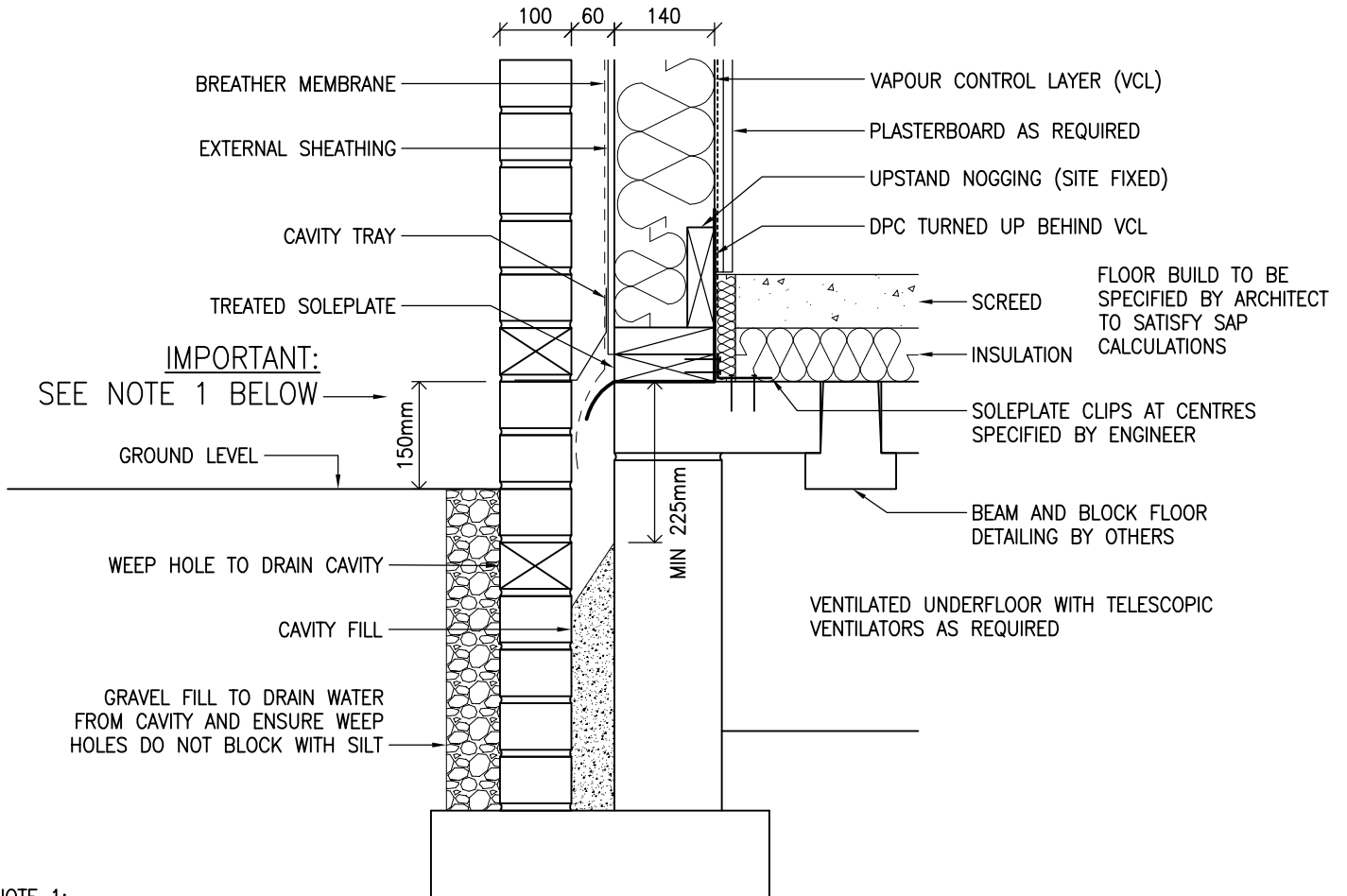
REVISION:
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SCALE:
1:10

DRAWN BY:
T.ROBERTS

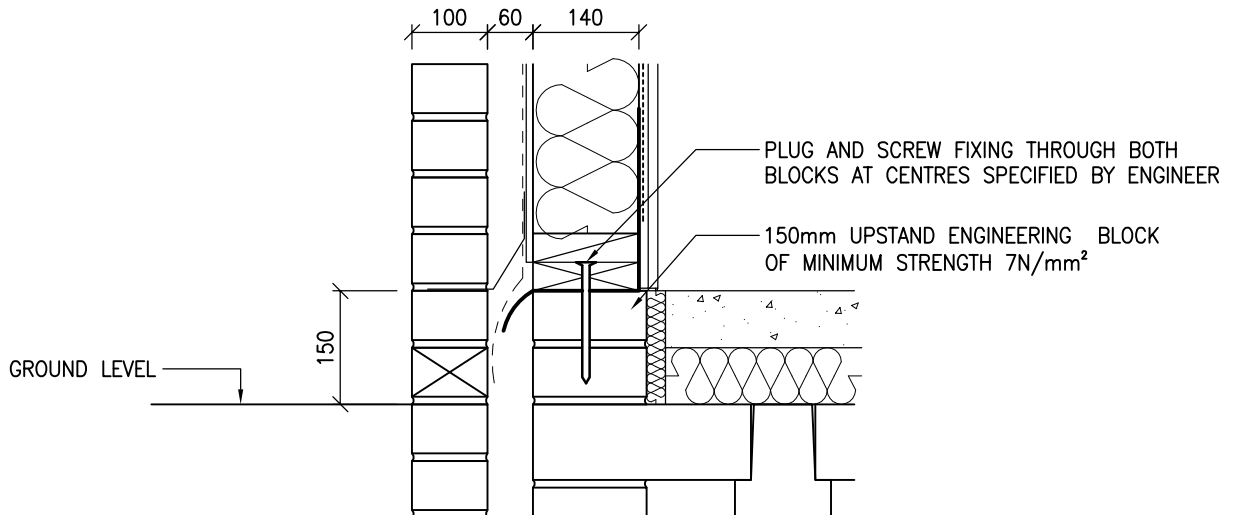
DATE:
DEC 08


ALL SOLEPLATES AT GROUND FLOOR LEVEL MUST HAVE A PRESERVATIVE TREATMENT IN ACCORDANCE WITH CURRENT STANDARDS

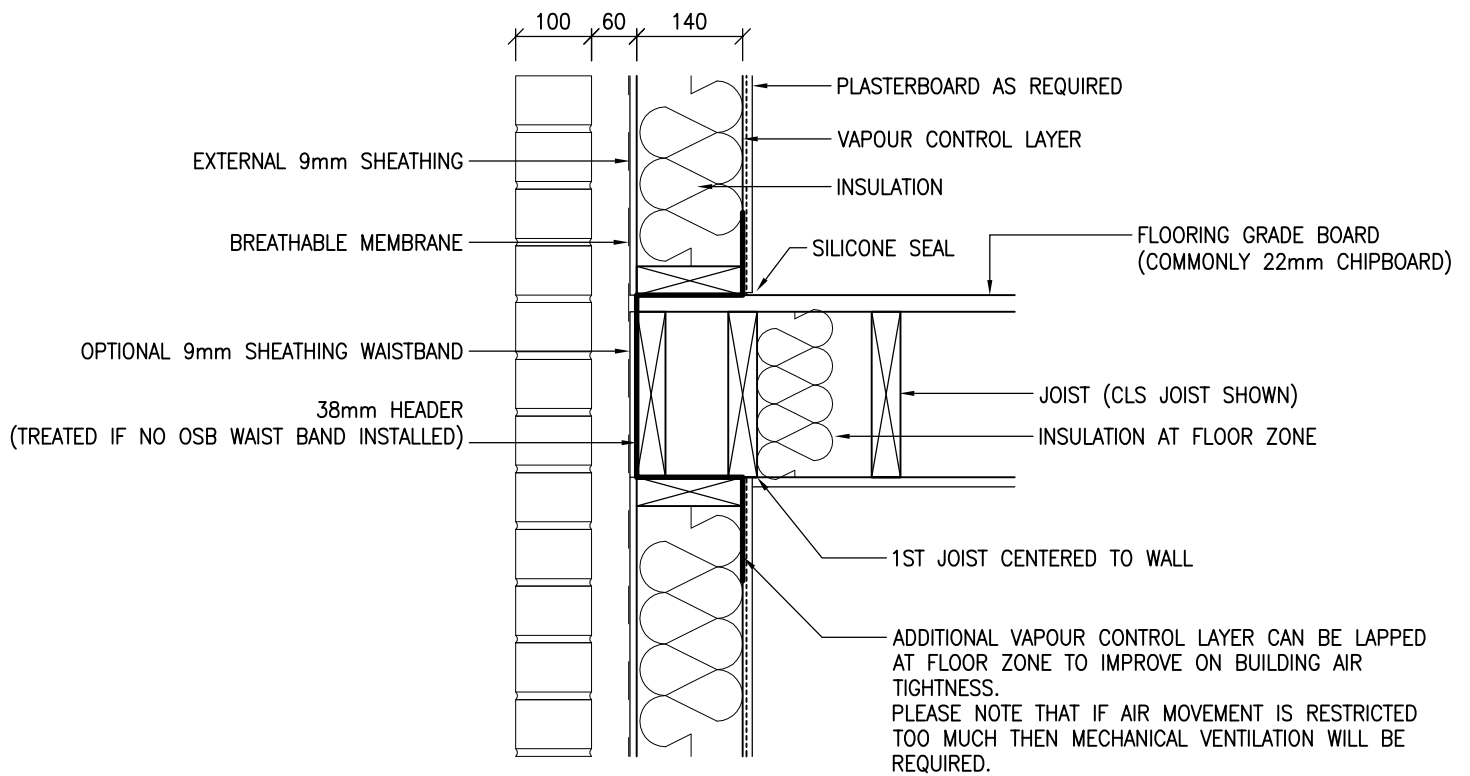


NOTE 1:
 DPC SHOULD IDEALLY ALWAYS BE 150mm ABOVE THE EXTERNAL GROUND LEVEL. IN CASES WHERE THIS IS NOT POSSIBLE THIS DIMENSION CAN BE REDUCED TO A MINIMUM OF 75mm AS LONG AS THE CAVITY IS SUITABLY DRAINED, AS SHOWN ABOVE WITH A MINIMUM OF 225mm BETWEEN DPC AND DRAINAGE MEDIUM, WHERE THE SITE IS NOT SUBJECT TO A HIGH WATER TABLE OR WHERE THE CAVITY WILL NOT HAVE STANDING WATER. THE DETAILING OF THE CAVITY AND GROUND LEVELS ARE THE RESPONSIBILITY OF THE BUILDING DESIGNER AND NOT THE TIMBER FRAME DESIGNER. THIS DETAIL SHOULD BE CLEARED WITH THE BUILDING WARRANTOR WHERE USED.

WHERE THE GROUND IS LEVEL TO THE TOP OF SLAB THE DETAIL BELOW IS TO BE USED BUT AGAIN MUST BE CHECKED WITH BUILDING WARRANTOR AND FOUNDATION DESIGNER.

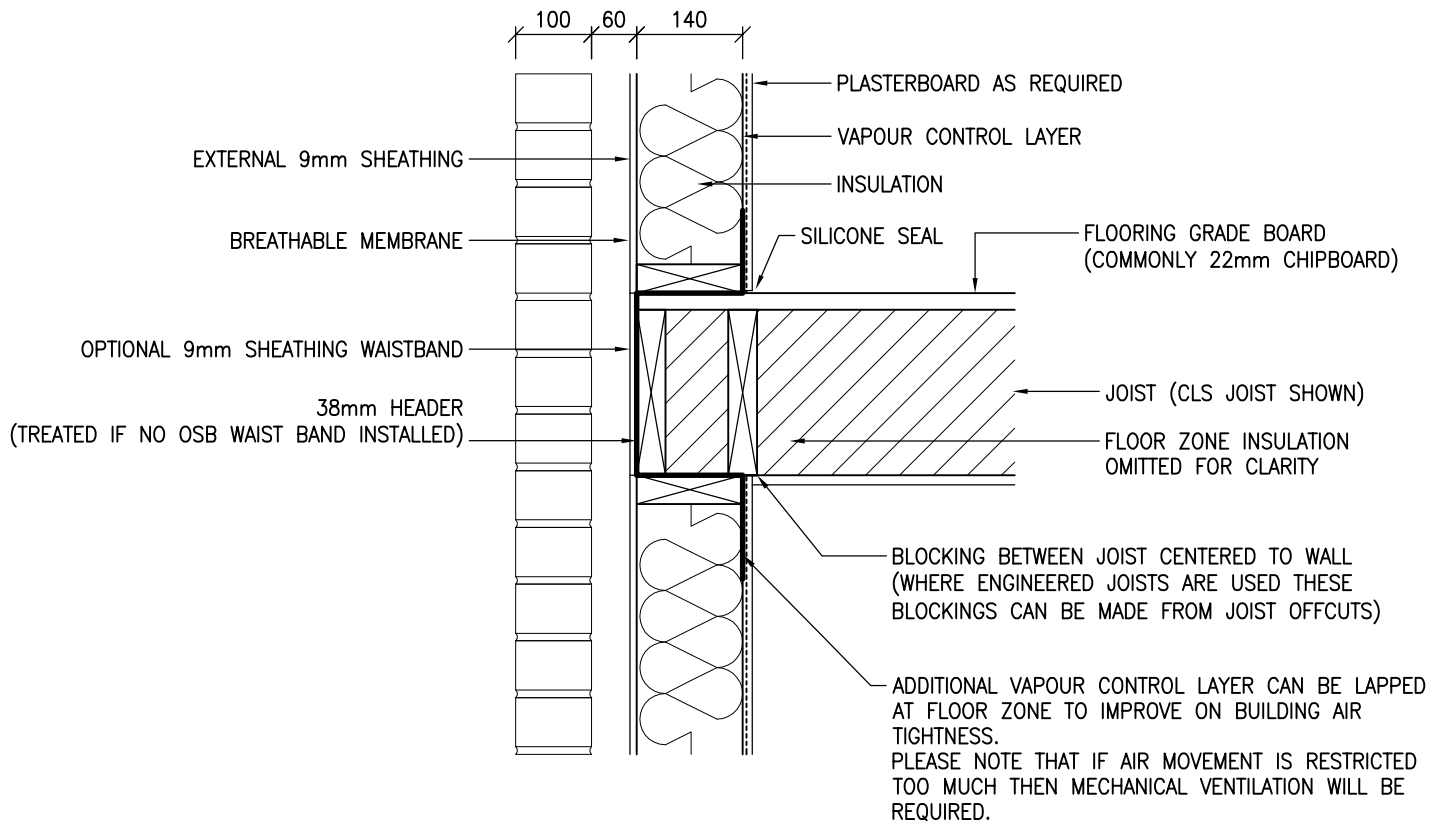



 <p>Building 1 Grosvenor Court Hiple Street Old Woking Surrey GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: EXTERNAL WALL – GROUND FLOOR		
	DRAWING No: 4.1	REVISION: A	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	

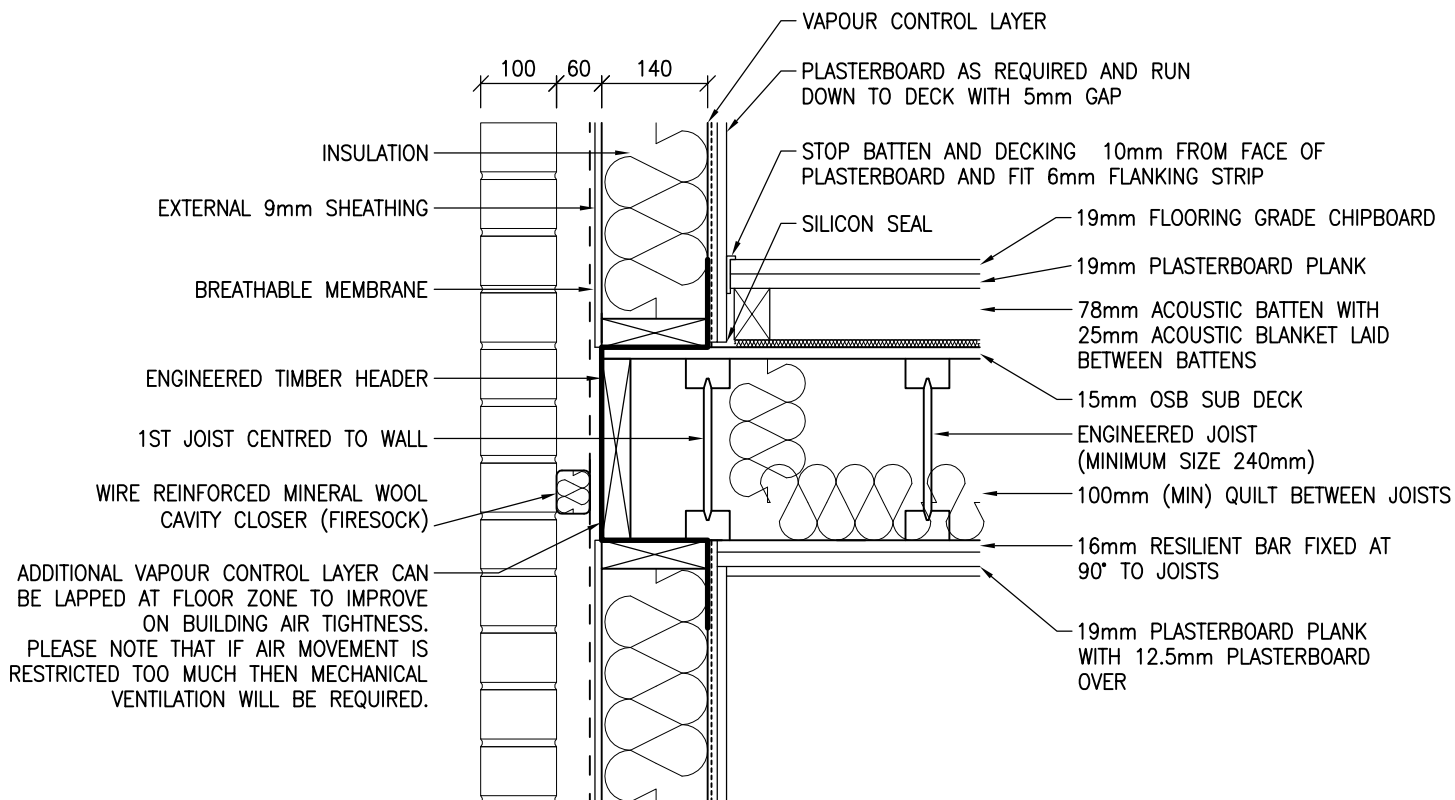



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DRAWING TITLE: EXTERNAL WALL – INTERMEDIATE FLOOR JOISTS PARALLEL		
DRAWING No: 4.2	REVISION: –	SCALE: 1:10
DRAWN BY: T.KNIGHT	DATE: JAN 08	

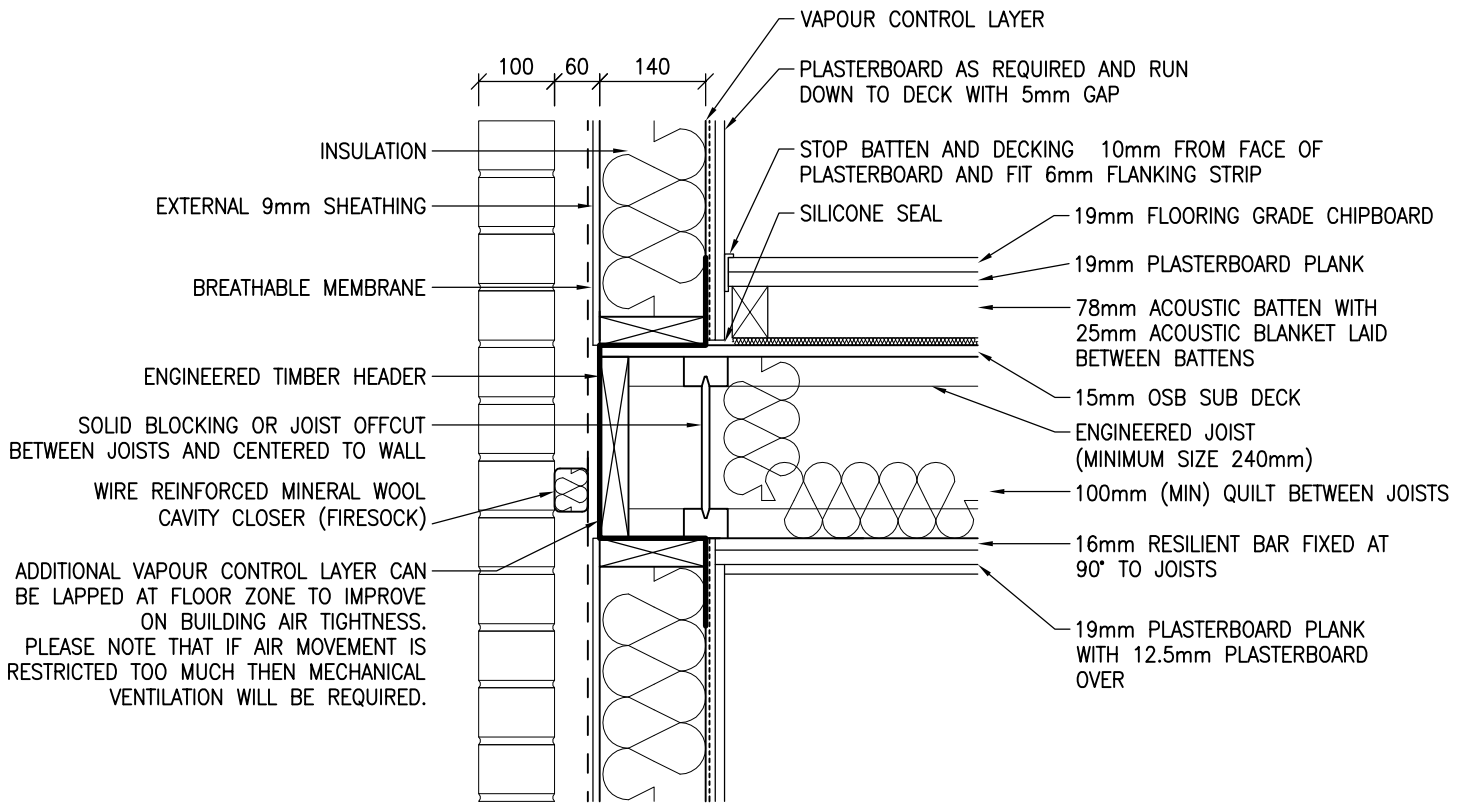


 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: EXTERNAL WALL – INTERMEDIATE FLOOR JOISTS PERPENDICULAR		
	DRAWING No: 4.3	REVISION: –	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	




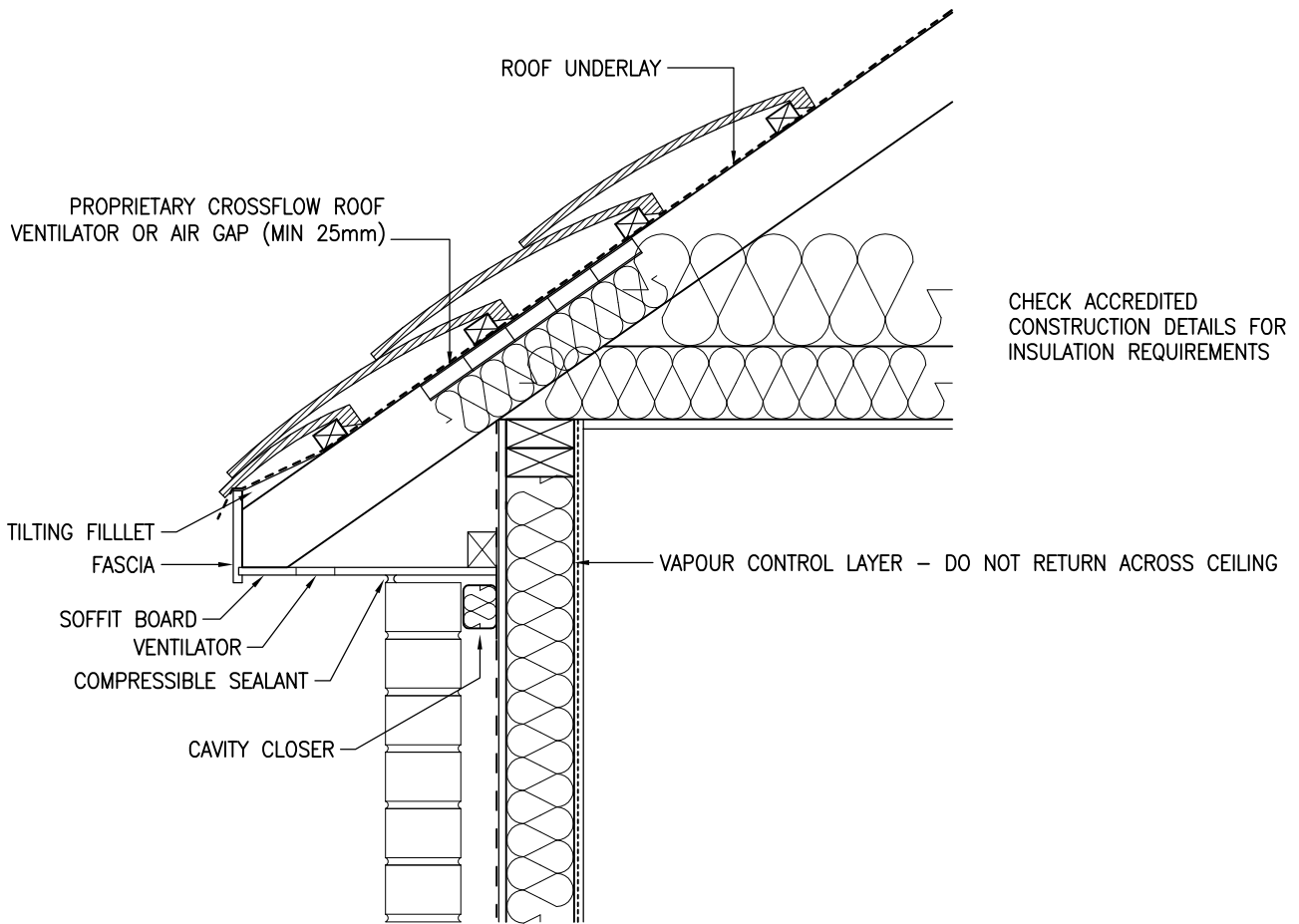
DETAILS SHOWN COMPLY TO E-FT-1 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.

 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: EXTERNAL WALL – COMPARTMENT FLOOR 'I' JOISTS PARALLEL		
	DRAWING No: 4.4	REVISION: –	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	



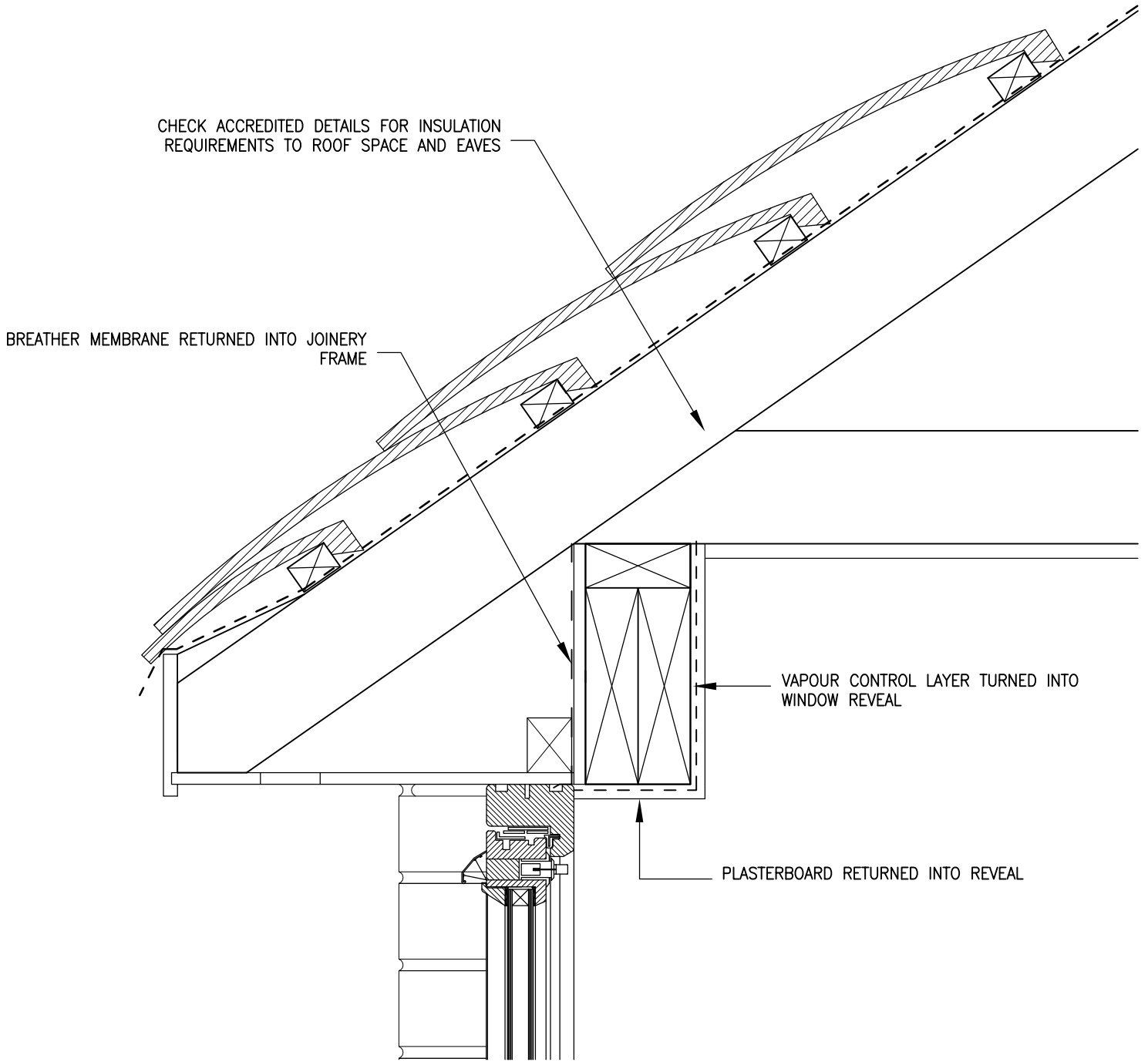
DETAILS SHOWN COMPLY TO E-FT-1 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.

 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: EXTERNAL WALL – COMPARTMENT FLOOR 'I' JOISTS PERPENDICULAR		
	DRAWING No: 4.5	REVISION: –	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	





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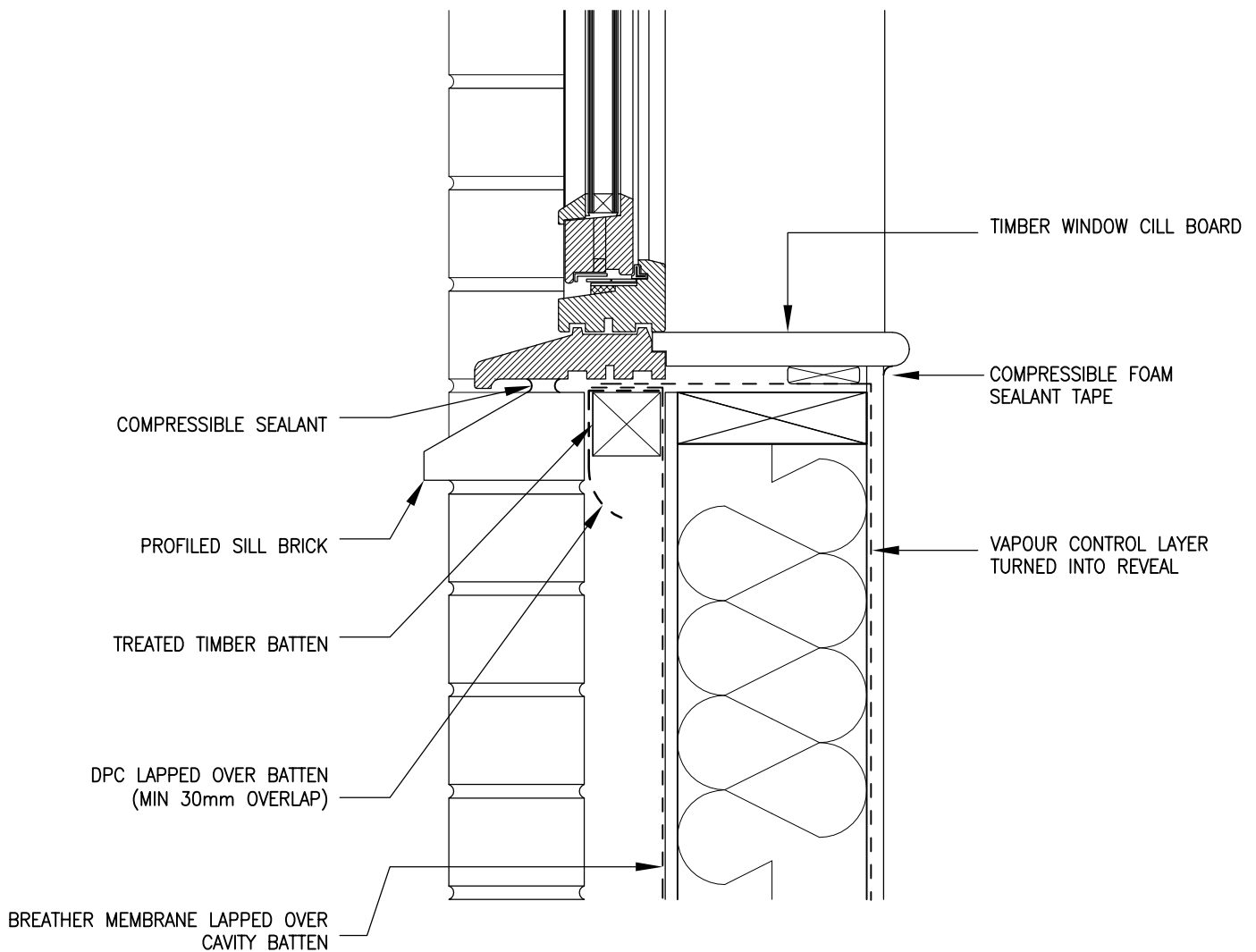
DRAWING TITLE: EXTERNAL WALL – CEILING AT EAVES		
DRAWING No: 4.6	REVISION: A	SCALE: 1:20
DRAWN BY: T.KNIGHT	DATE: JAN 08	



ENSURE WINDOW IS INSTALLED TIGHT AT THE HEAD WITH GAP AT BOTTOM OF WINDOW FRAME TO ALLOW FOR DIFFERENTIAL MOVEMENT DEPENDING UPON HEIGHT WITHIN BUILDING


WINDOW FRAME IS TO BE FIXED TO TIMBER FRAME WITH FRAME CRAMPS AND MUST REMAIN INDEPENDENT FROM MASONRY TO ALLOW FOR DIFFERENTIAL MOVEMENT

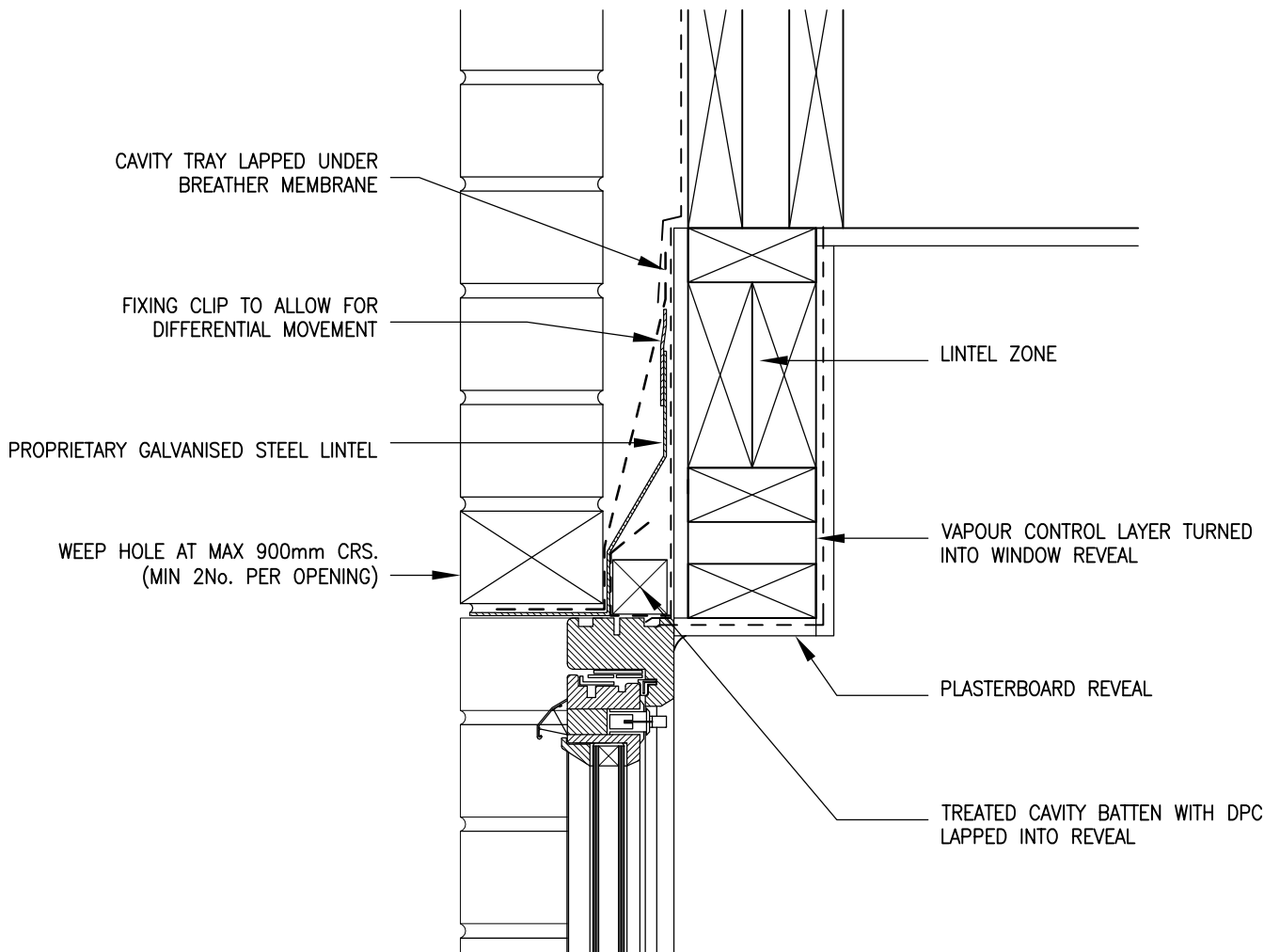
 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: EXTERNAL WALL EAVES AT WINDOW HEAD		
	DRAWING No: 4.7	REVISION: -	SCALE: 1:5
	DRAWN BY: T.KNIGHT	DATE: JAN 08	



ENSURE WINDOW IS INSTALLED TIGHT AT THE HEAD WITH GAP AT BOTTOM OF WINDOW FRAME TO ALLOW FOR DIFFERENTIAL MOVEMENT DEPENDING UPON HEIGHT WITHIN BUILDING


WINDOW FRAME IS TO BE FIXED TO TIMBER FRAME WITH FRAME CRAMPS AND MUST REMAIN INDEPENDENT FROM MASONRY TO ALLOW FOR DIFFERENTIAL MOVEMENT

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	DRAWING No: 4.8	REVISION: –	SCALE: 1:5
	DRAWN BY: T.KNIGHT	DATE: JAN 08	

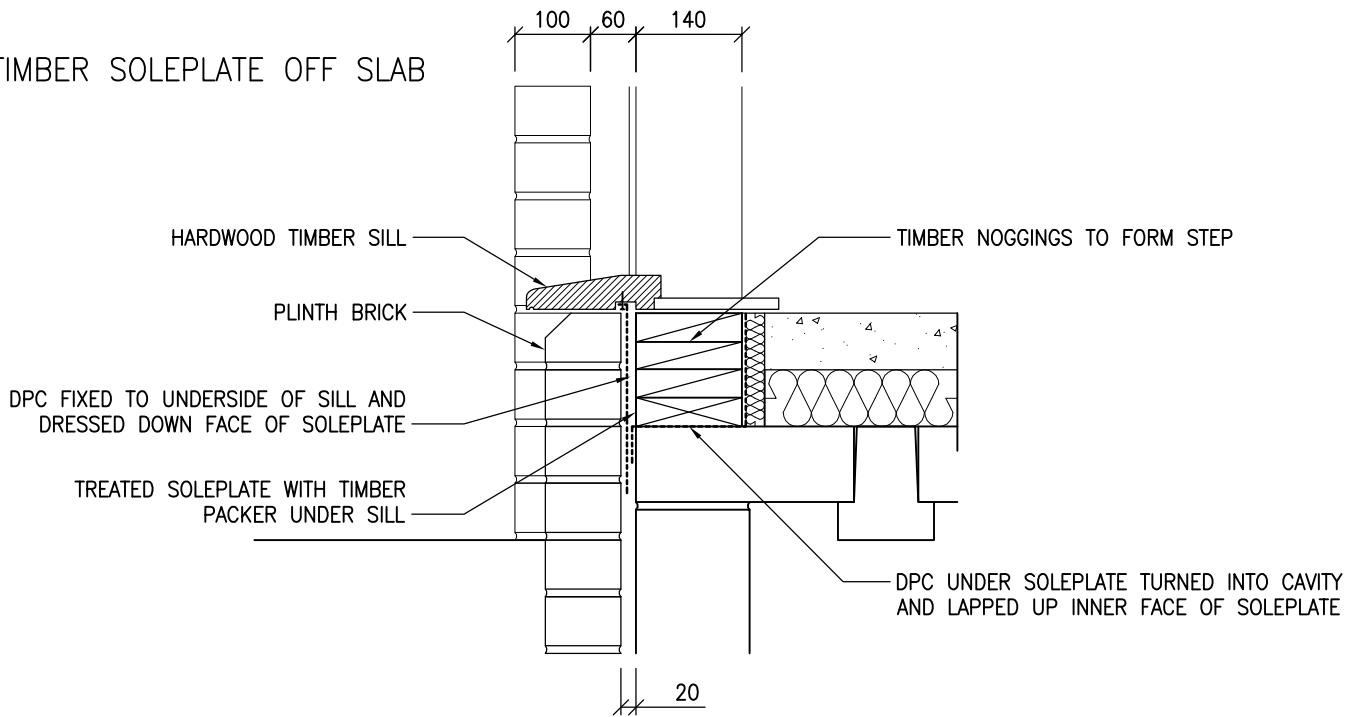


ENSURE WINDOW/DOOR IS INSTALLED TIGHT AT THE HEAD WITH GAP AT BOTTOM OF FRAME TO ALLOW FOR DIFFERENTIAL MOVEMENT DEPENDING UPON HEIGHT WITHIN BUILDING

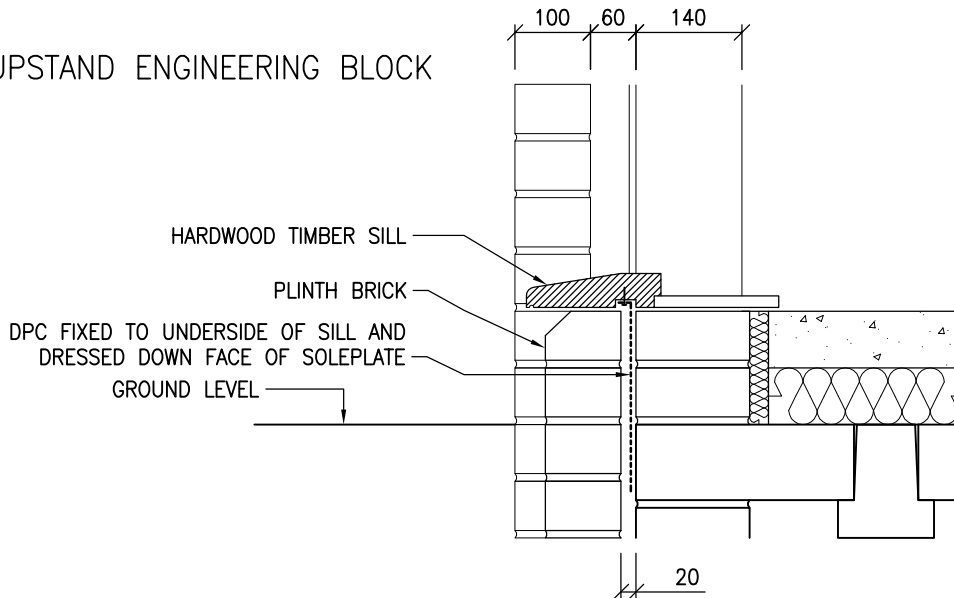
JOINERY FRAME IS TO BE FIXED TO TIMBER FRAME WITH FRAME CRAMPS AND MUST REMAIN INDEPENDENT FROM MASONRY TO ALLOW FOR DIFFERENTIAL MOVEMENT

 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: EXTERNAL WALL – JOINERY HEAD		
	DRAWING No: 4.9	REVISION: –	SCALE: 1:5
	DRAWN BY: T.KNIGHT	DATE: JAN 08	

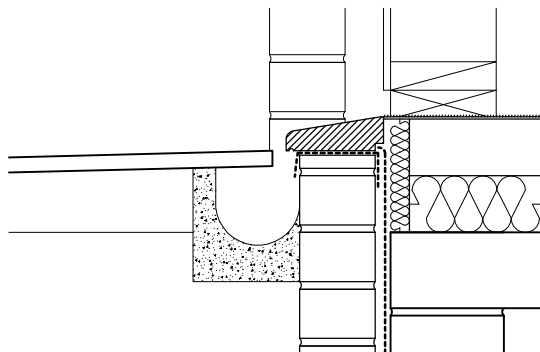
TIMBER SOLEPLATE OFF SLAB




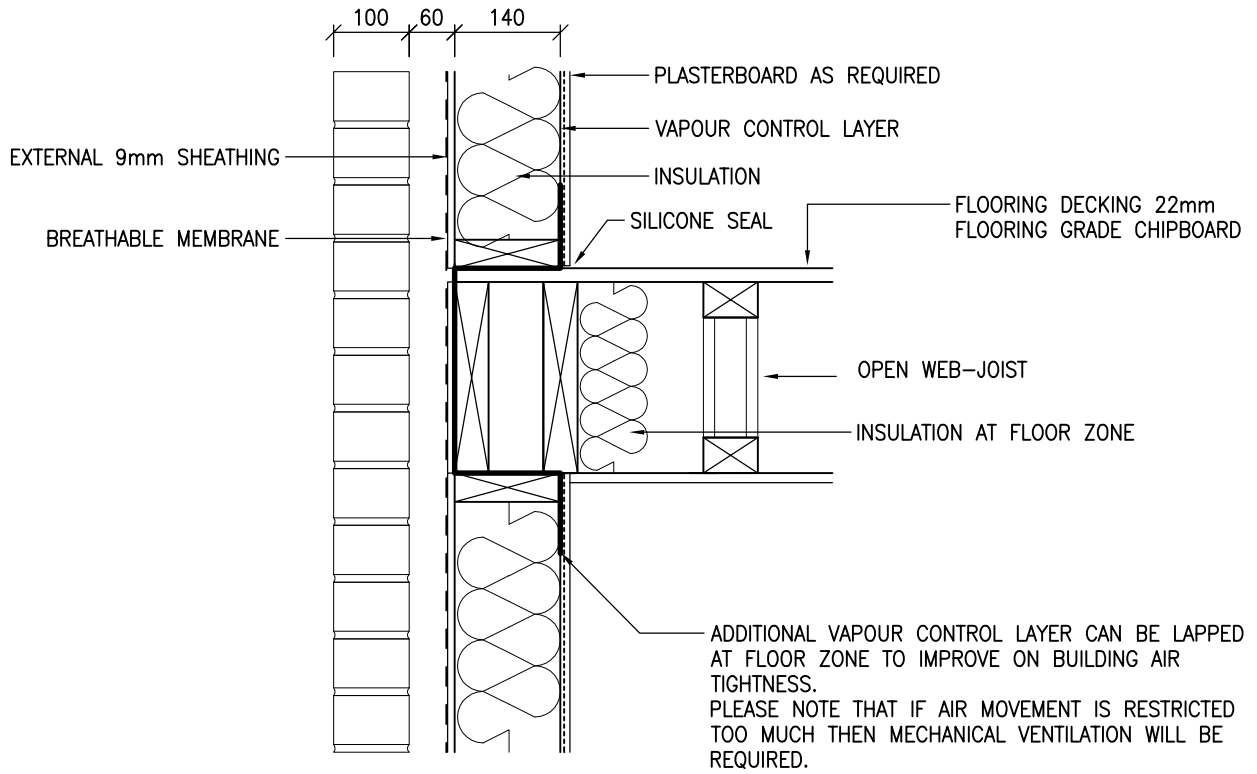
UPSTAND ENGINEERING BLOCK



WHEN A FLUSH THRESHOLD IS REQUIRED ENSURE SUITABLE DRAINAGE IS ALLOWED FOR TO KEEP THE MOISTURE AWAY FROM ANY TIMBERS



 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: EXTERNAL WALL – DOOR THRESHOLD		
	DRAWING No: 4.10	REVISION: –	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	



Building 1 Grosvenor Court
Hiple Street
Old Woking
SURREY
GU22 9LL

TEL: 01483 769518

FAX: 01483 770863

E-MAIL: design@silvatecdesign.com

DRAWING TITLE:
INTERMEDIATE FLOOR
OPEN WEB JOIST PARALLEL

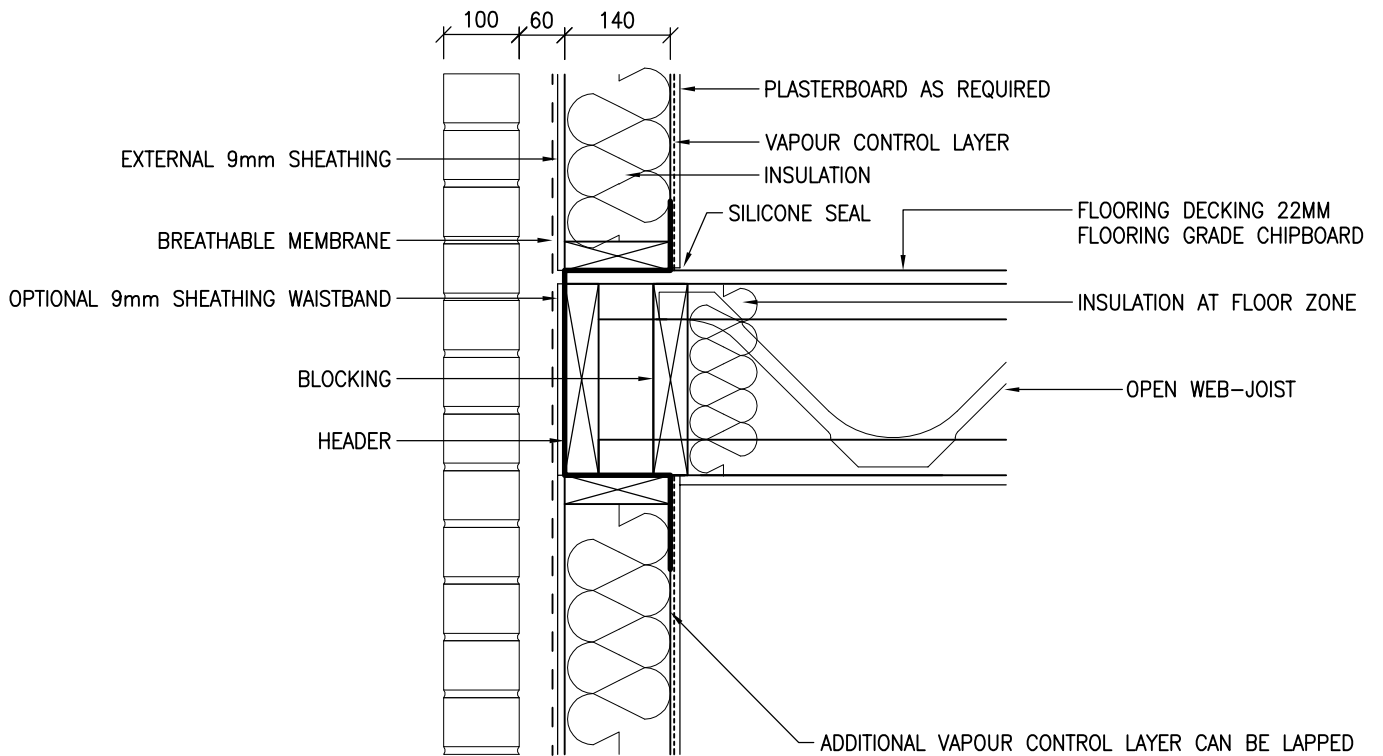
DRAWING No:
4.11

REVISION:
A

SCALE:
1:10


DRAWN BY:
T.KNIGHT

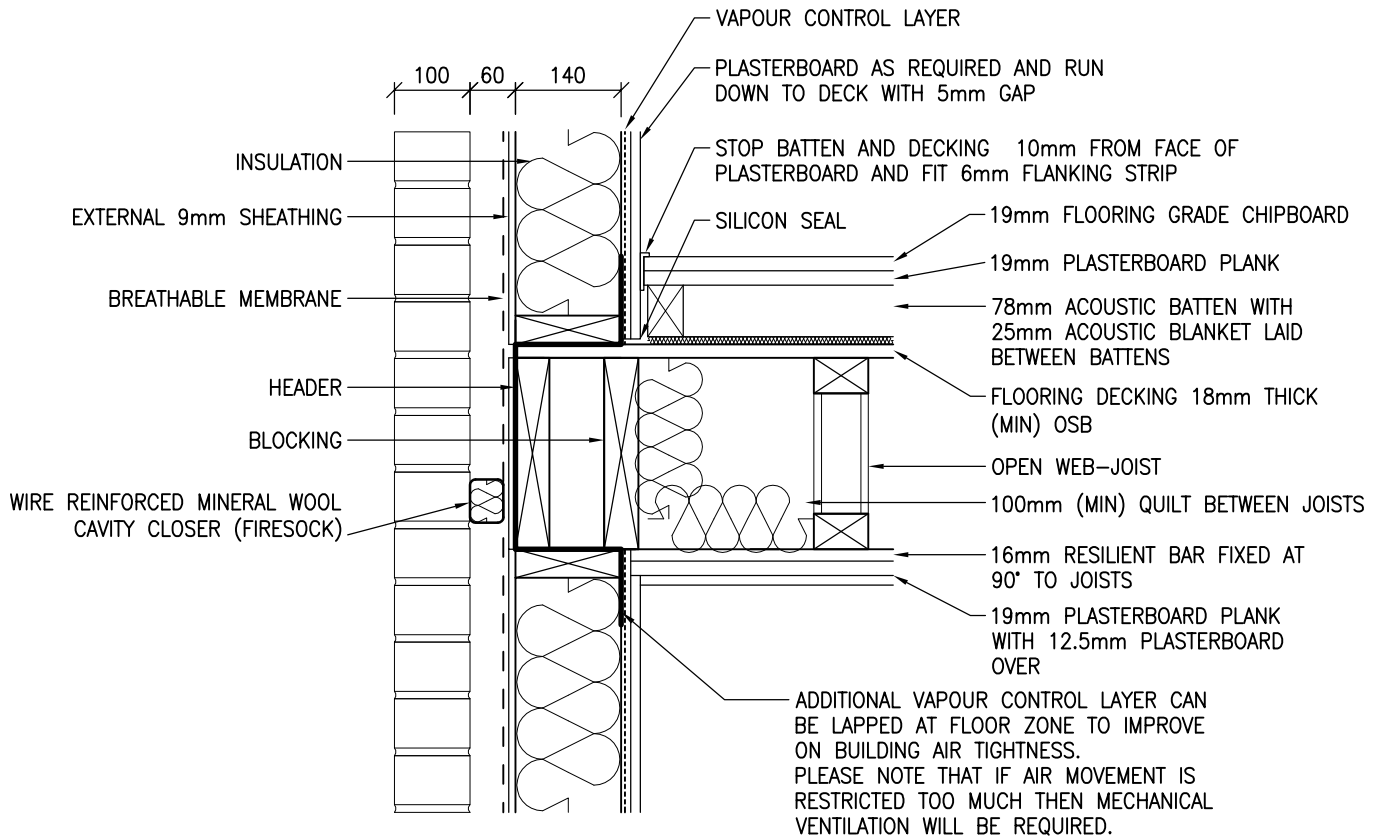
DATE:
JUN 08




ADDITIONAL VAPOUR CONTROL LAYER CAN BE LAPPED AT FLOOR ZONE TO IMPROVE ON BUILDING AIR TIGHTNESS.
PLEASE NOTE THAT IF AIR MOVEMENT IS RESTRICTED TOO MUCH THEN MECHANICAL VENTILATION WILL BE REQUIRED.

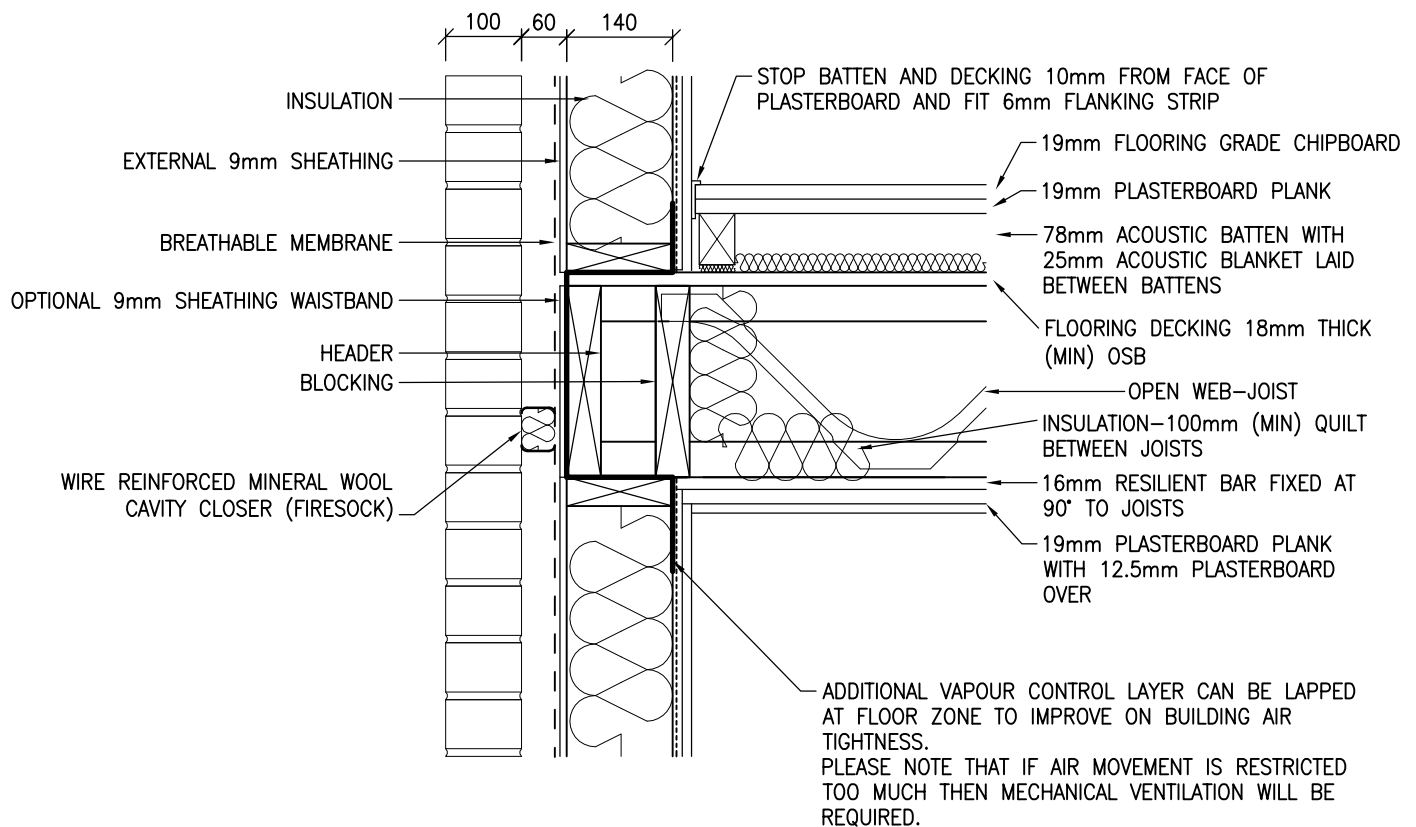
NOTE: JOISTS CAN ALSO BE TOP CHORD/FLANGE SUPPORTED

 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: INTERMEDIATE FLOOR OPEN WEB JOIST PERPENDICULAR		
	DRAWING No: 4.12	REVISION: A	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JUN 08	




DETAILS SHOWN COMPLY TO E-FT-3 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.

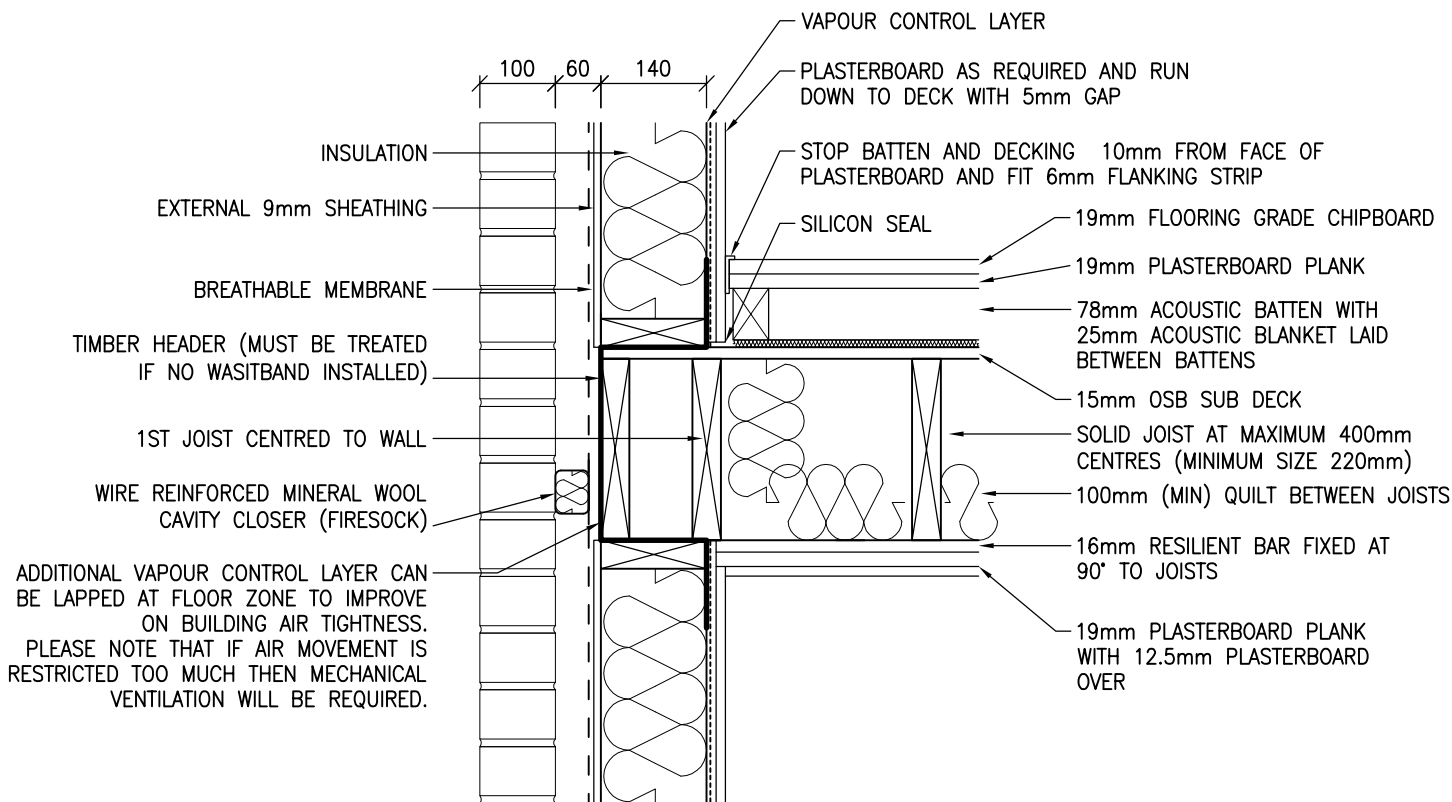
 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: COMPARTMENT FLOOR OPEN WEB JOIST PARALLEL		
	DRAWING No: 4.13	REVISION: B	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JUN 08	




NOTE: JOISTS CAN ALSO BE TOP CHORD/FLANGE SUPPORTED

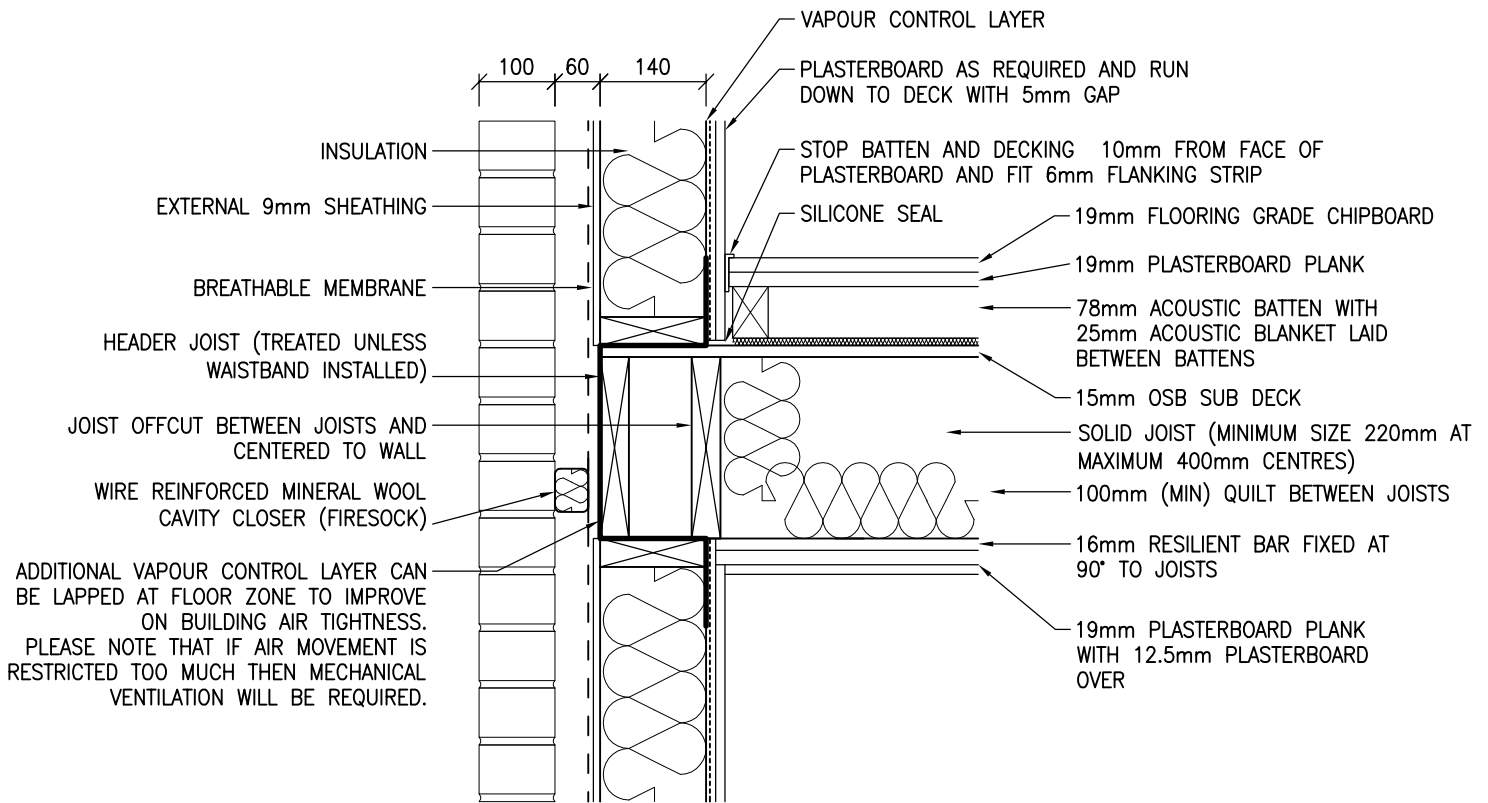
DETAILS SHOWN COMPLY TO E-FT-3 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.

 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: COMPARTMENT FLOOR OPEN WEB JOIST PERPENDICULAR		
	DRAWING No: 4.14	REVISION: B	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JUN 08	




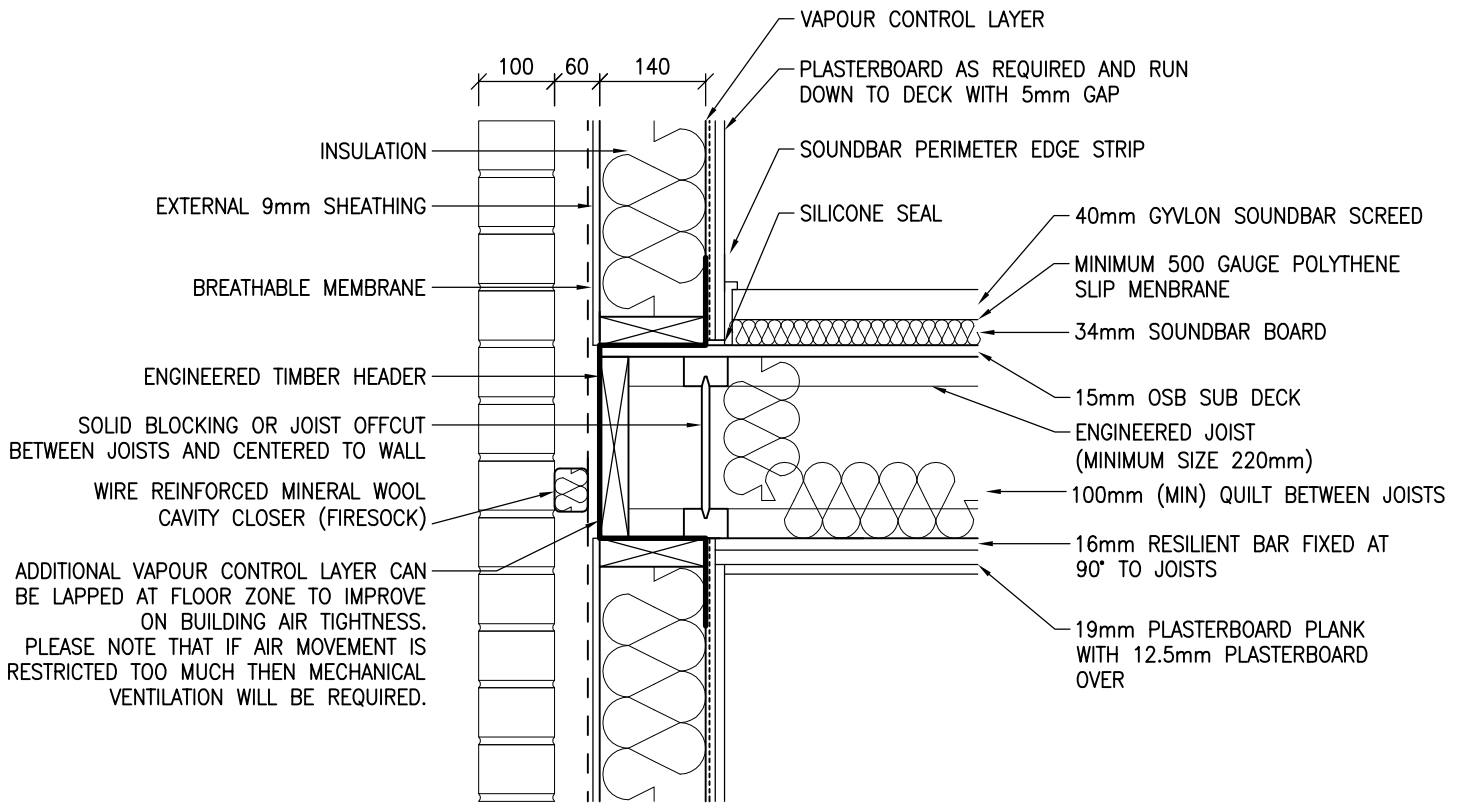
DETAILS SHOWN COMPLY TO E-FT-2 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.

 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: EXTERNAL WALL – COMPARTMENT FLOOR SOLID JOISTS PARALLEL		
	DRAWING No: 4.15	REVISION: –	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	




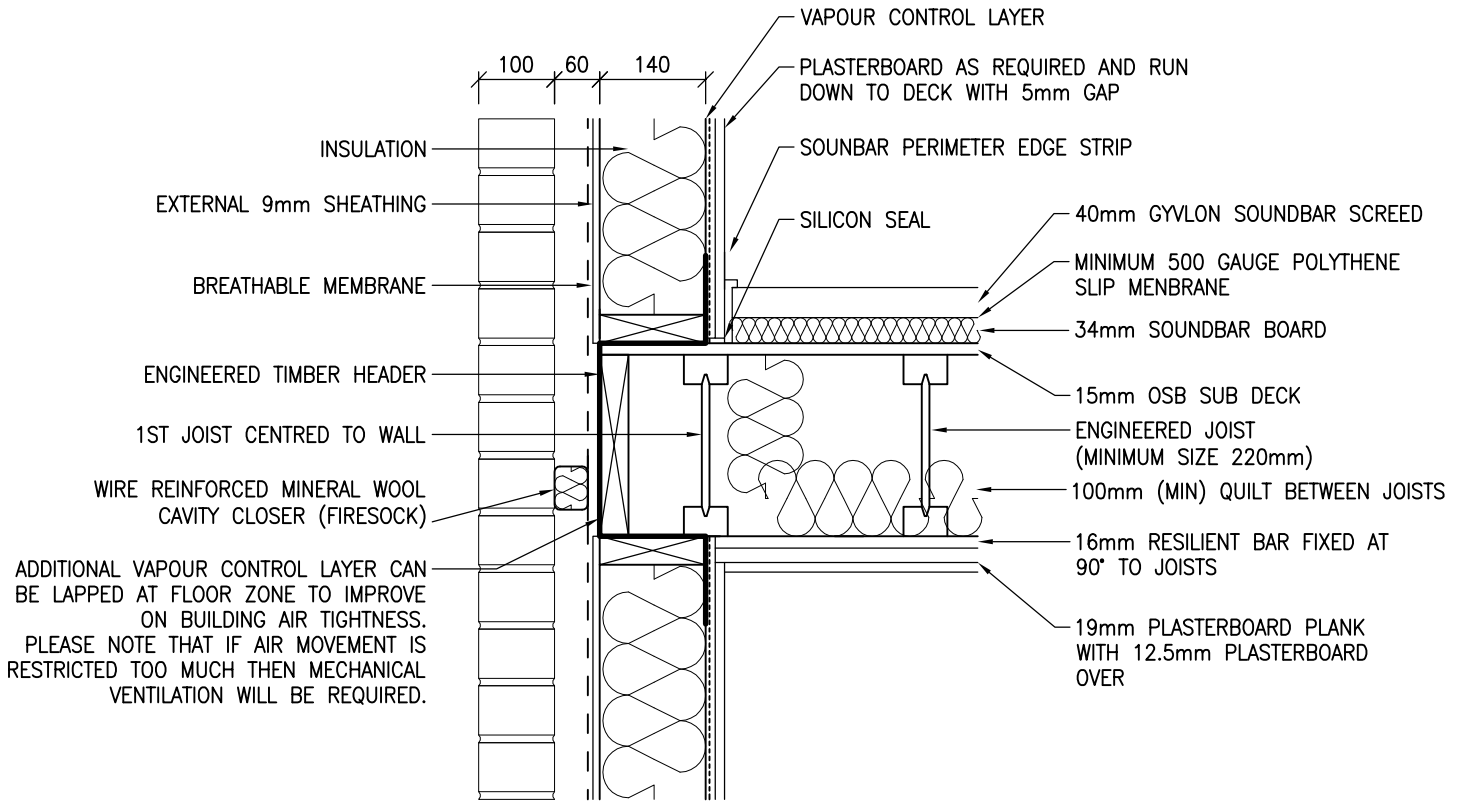
DETAILS SHOWN COMPLY TO E-FT-2 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.

 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: EXTERNAL WALL – COMPARTMENT FLOOR SOLID JOISTS PERPENDICULAR		
	DRAWING No: 4.16	REVISION: –	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	




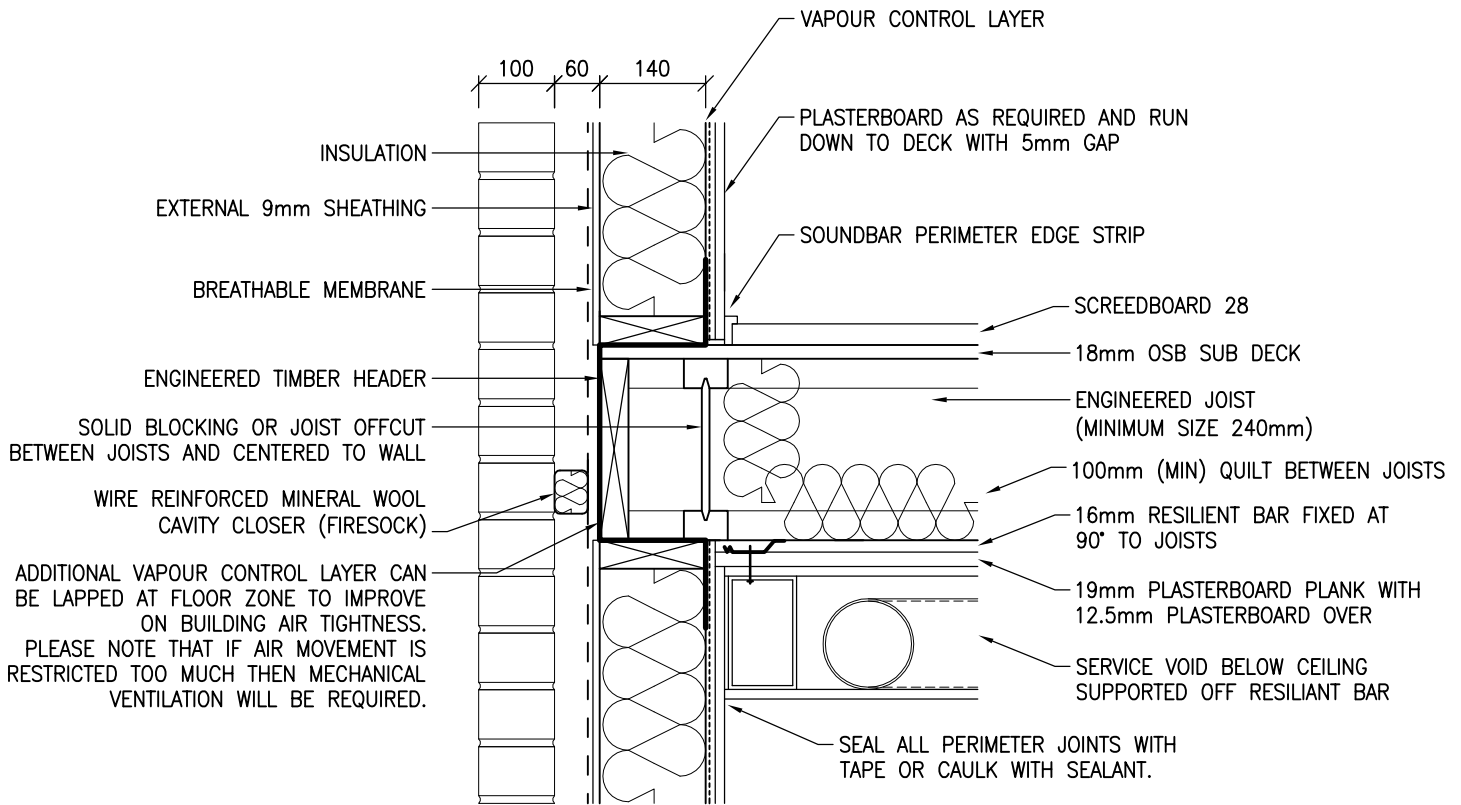
DETAILS SHOWN COMPLY TO E-FT-4 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.

 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: EXTERNAL WALL – COMPARTMENT FLOOR WITH SCREED AND JOISTS PERPENDICULAR		
	DRAWING No: 4.17	REVISION: –	SCALE: 1:10
	DRAWN BY: M.SINGLIAR	DATE: NOV 08	




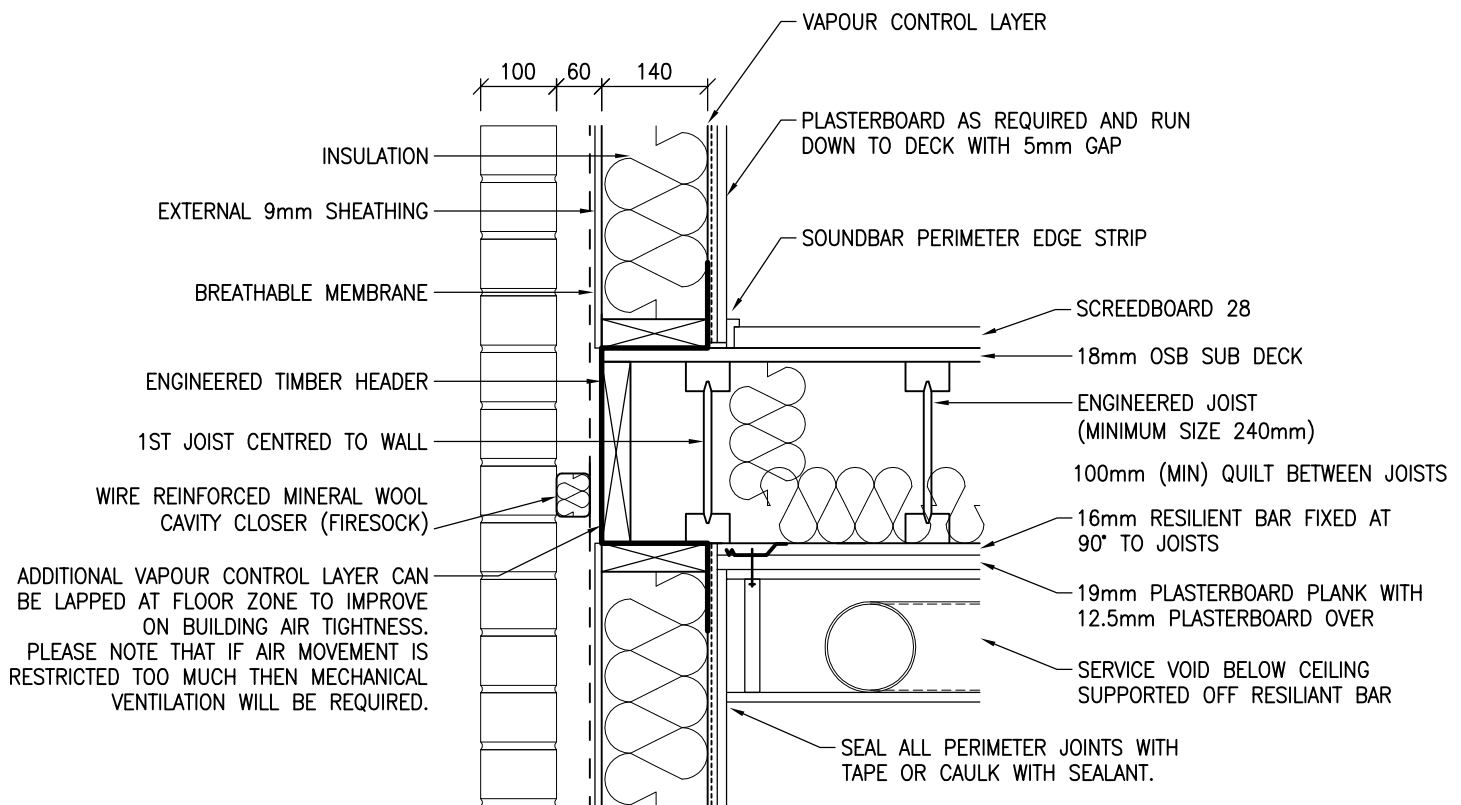
DETAILS SHOWN COMPLY TO E-FT-4 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.

 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: EXTERNAL WALL – COMPARTMENT FLOOR WITH SCREED AND JOISTS PARALLEL		
	DRAWING No: 4.18	REVISION: –	SCALE: 1:10
	DRAWN BY: M.SINGLIAR	DATE: NOV 08	




DETAILS SHOWN COMPLY TO E-FT-5 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.

 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: EXTERNAL WALL – COMPARTMENT FLOOR WITH SCREEDBOARD AND JOISTS PERPENDICULAR		
	DRAWING No: 4.19	REVISION: –	SCALE: 1:10
	DRAWN BY: T.ROBERTS	DATE: SEPT 09	

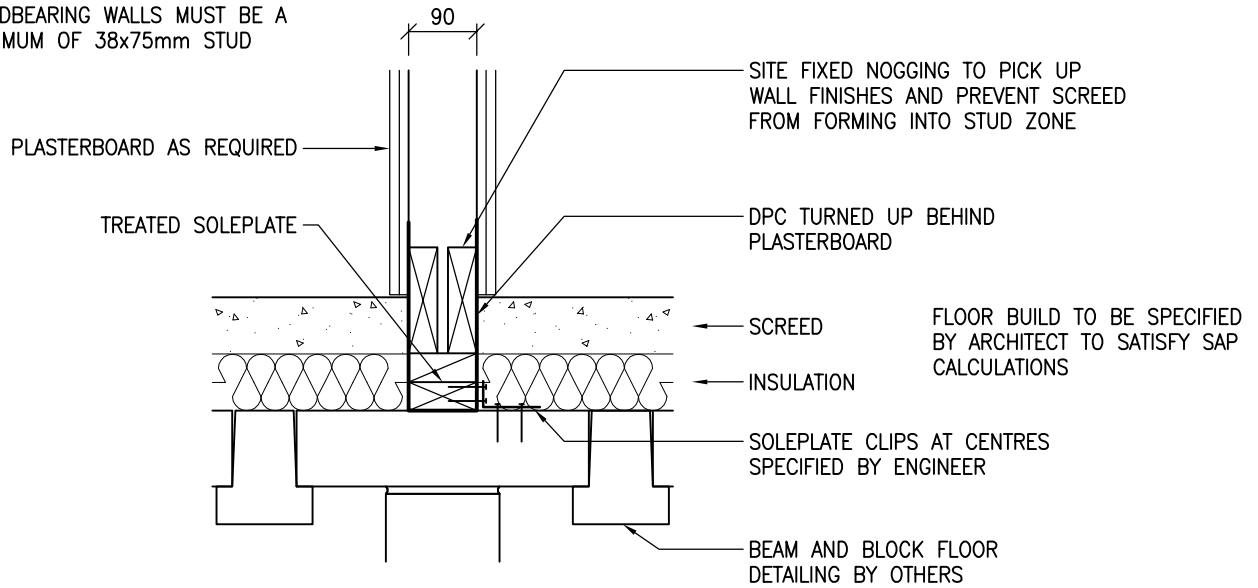


DETAILS SHOWN COMPLY TO E-FT-5 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.

 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: EXTERNAL WALL – COMPARTMENT FLOOR WITH SCREEDBOARD AND JOISTS PARALLEL		
	DRAWING No: 4.20	REVISION: –	SCALE: 1:10
	DRAWN BY: T.ROBERTS	DATE: SEPT 09	

ALL SOLEPLATES AT GROUND FLOOR LEVEL MUST HAVE A PRESERVATIVE TREATMENT IN ACCORDANCE WITH CURRENT STANDARDS

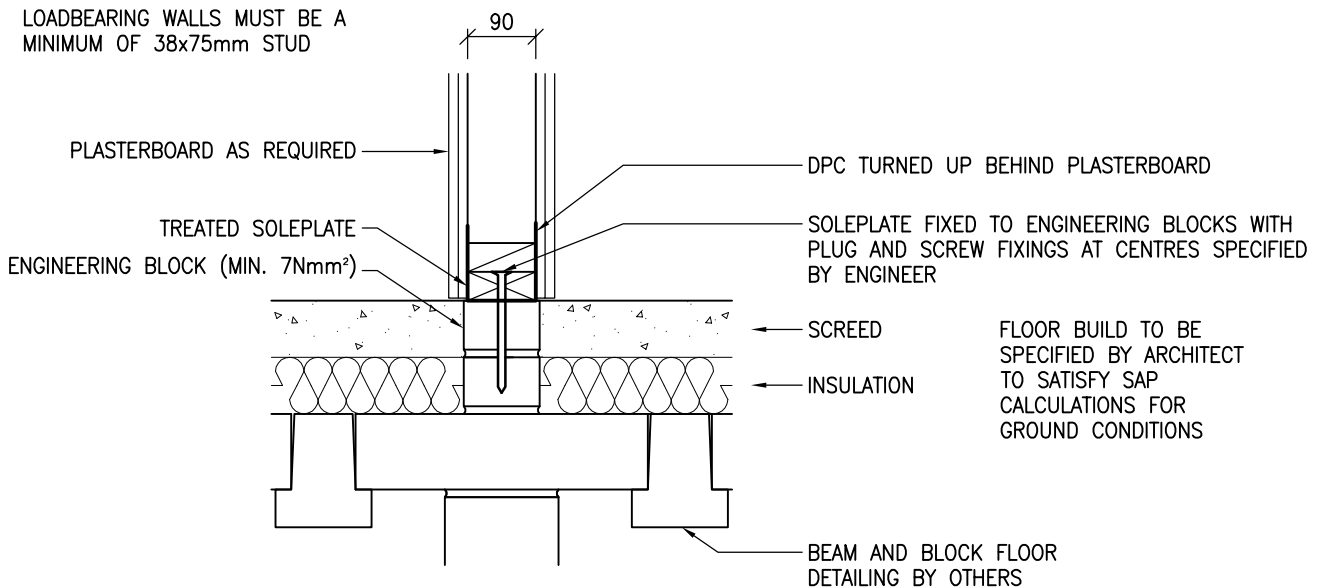
LOADBEARING WALLS MUST BE A MINIMUM OF 38x75mm STUD




DPC SHOULD IDEALLY ALWAYS BE 150mm ABOVE THE EXTERNAL GROUND LEVEL. IN CASES WHERE THIS IS NOT POSSIBLE THIS DIMENSION CAN BE REDUCED TO A MINIMUM OF 75mm AS LONG AS THE CAVITY IS SUITABLY DRAINED AS SHOWN IN DETAIL 4.1 (EXTERNAL WALL – GROUND FLOOR). THE DETAILING OF THE CAVITY AND GROUND LEVELS ARE THE RESPONSIBILITY OF THE BUILDING DESIGNER AND NOT THE TIMBER FRAME DESIGNER. THIS DETAIL SHOULD BE CLEARED WITH BUILDING WARRANTOR WHERE USED.

WHERE THE GROUND IS LEVEL TO THE TOP OF SLAB THE DETAIL BELOW IS TO BE USED BUT AGAIN SHOULD BE CHECKED WITH BUILDING WARRANTOR AND FOUNDATION DESIGNER.

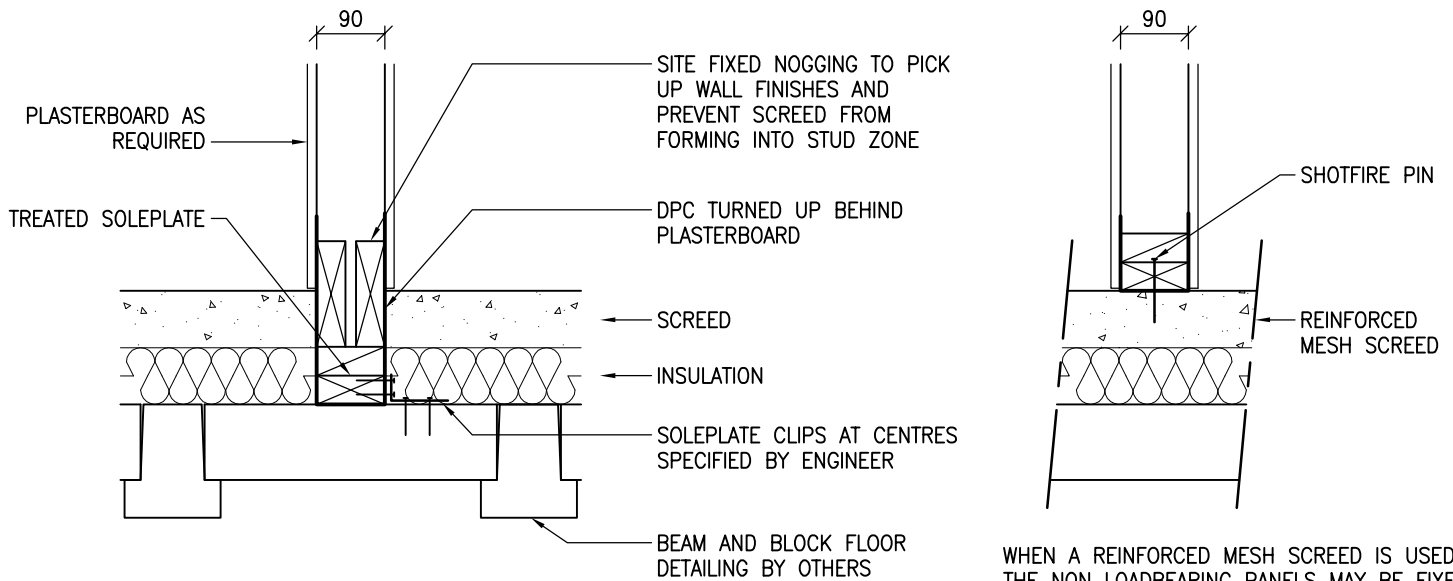
LOADBEARING WALLS MUST BE A MINIMUM OF 38x75mm STUD



 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: INTERNAL WALL – GF LOADBEARING		
	DRAWING No: 5.1	REVISION: A	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	

ALL SOLEPLATES AT GROUND FLOOR LEVEL MUST HAVE A PRESERVATIVE TREATMENT IN ACCORDANCE WITH CURRENT STANDARDS

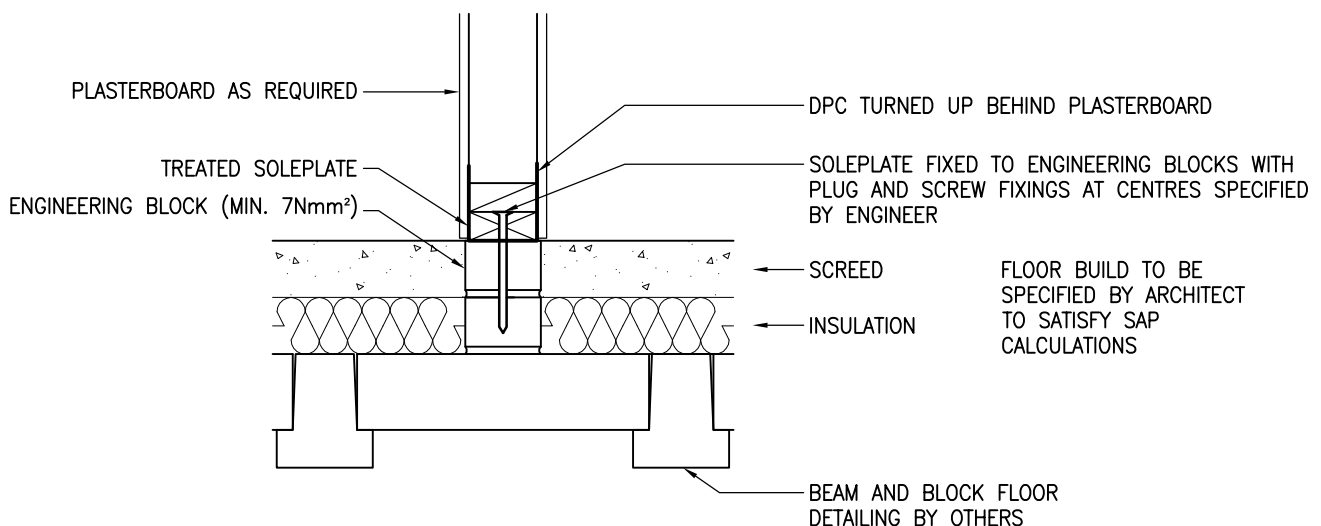
NON LOADBEARING WALLS CAN BE DESIGNED WITH 63mm STUD WALLS. IT IS RECOMMENDED THAT MID HEIGHT NOGGINGS ARE INSTALLED TO 63mm WALLS TO PROVIDE A MORE ROBUST FINISH ON SITE. SPECIAL CARE MUST BE TAKEN FOR PLASTERBOARD WHEN 63mm STUD IS TO BE USED FOR AN ACOUSTIC WALL INSIDE A DWELLING AS PER PART E OF THE BUILDING REGULATIONS.




WHEN A REINFORCED MESH SCREED IS USED THE NON LOADBEARING PANELS MAY BE FIXED TO TOP OF FINISHED FLOOR. LOADING WILL BE APPROX 0.6kN/M AND MUST BE CHECKED WITH FLOOR SUPPLIER.

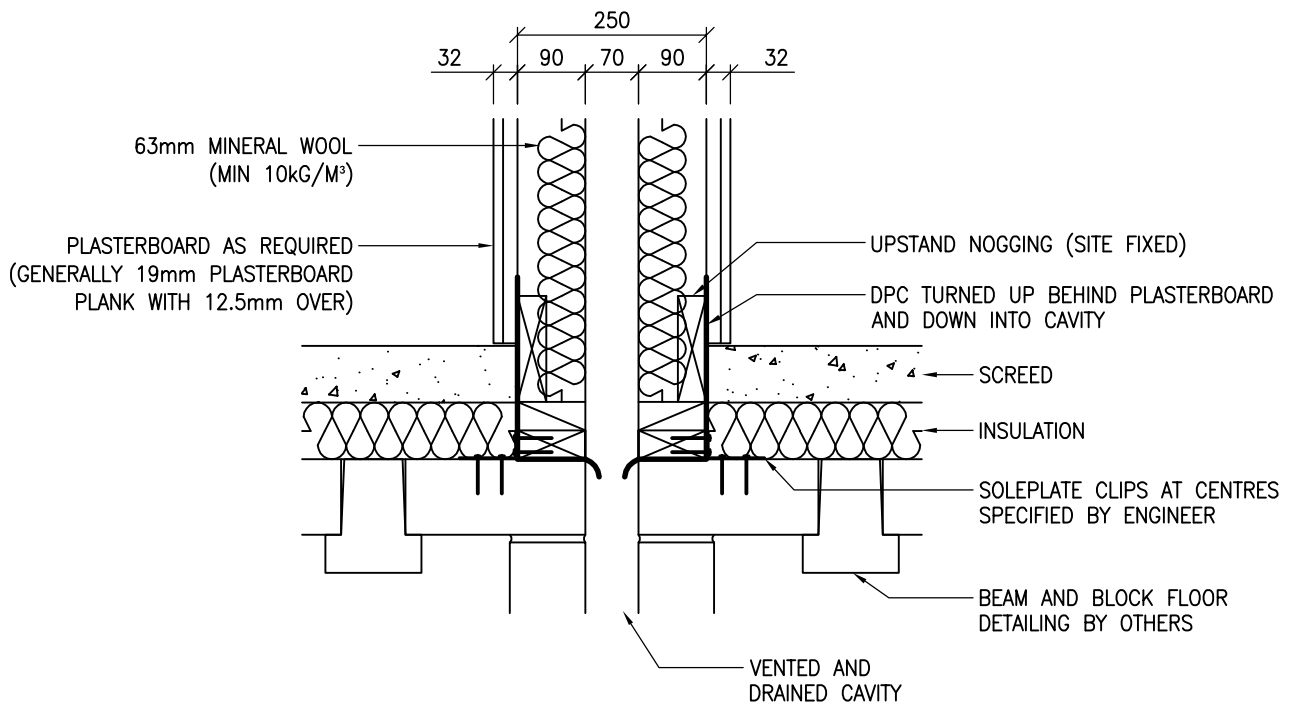
DPC SHOULD IDEALLY ALWAYS BE 150mm ABOVE THE EXTERNAL GROUND LEVEL. IN CASES WHERE THIS IS NOT POSSIBLE THIS DIMENSION CAN BE REDUCED TO A MINIMUM OF 75mm AS LONG AS THE CAVITY IS SUITABLY DRAINED AS SHOWN IN DETAIL 4.1 (EXTERNAL WALL – GROUND FLOOR). THE DETAILING OF THE CAVITY AND GROUND LEVELS ARE THE RESPONSIBILITY OF THE BUILDING DESIGNER AND NOT THE TIMBER FRAME DESIGNER. THIS DETAIL SHOULD BE CLEARED WITH BUILDING WARRANTOR WHERE USED.

WHERE THE GROUND IS LEVEL TO THE TOP OF SLAB THE DETAIL BELOW IS TO BE USED BUT AGAIN SHOULD BE CHECKED WITH BUILDING WARRANTOR AND FOUNDATION DESIGNER.




 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: INTERNAL WALL – GF NON-LOADBEARING		
	DRAWING No: 5.2	REVISION: A	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	

DETAIL SHOWN IS IN ACCORDANCE WITH ROBUST STANDARD DETAIL E-WT-1.
 CAVITY TO BE MINIMUM 60mm BUT RECOMMEND A TOLERANCE IS ALLOWED FOR PLUMB OF PANEL DURING ERECTION,
 ALTERNATIVELY FIX PANEL PLUMB TO WALL PANELS AS PER SILVATEC DETAIL 8.1.

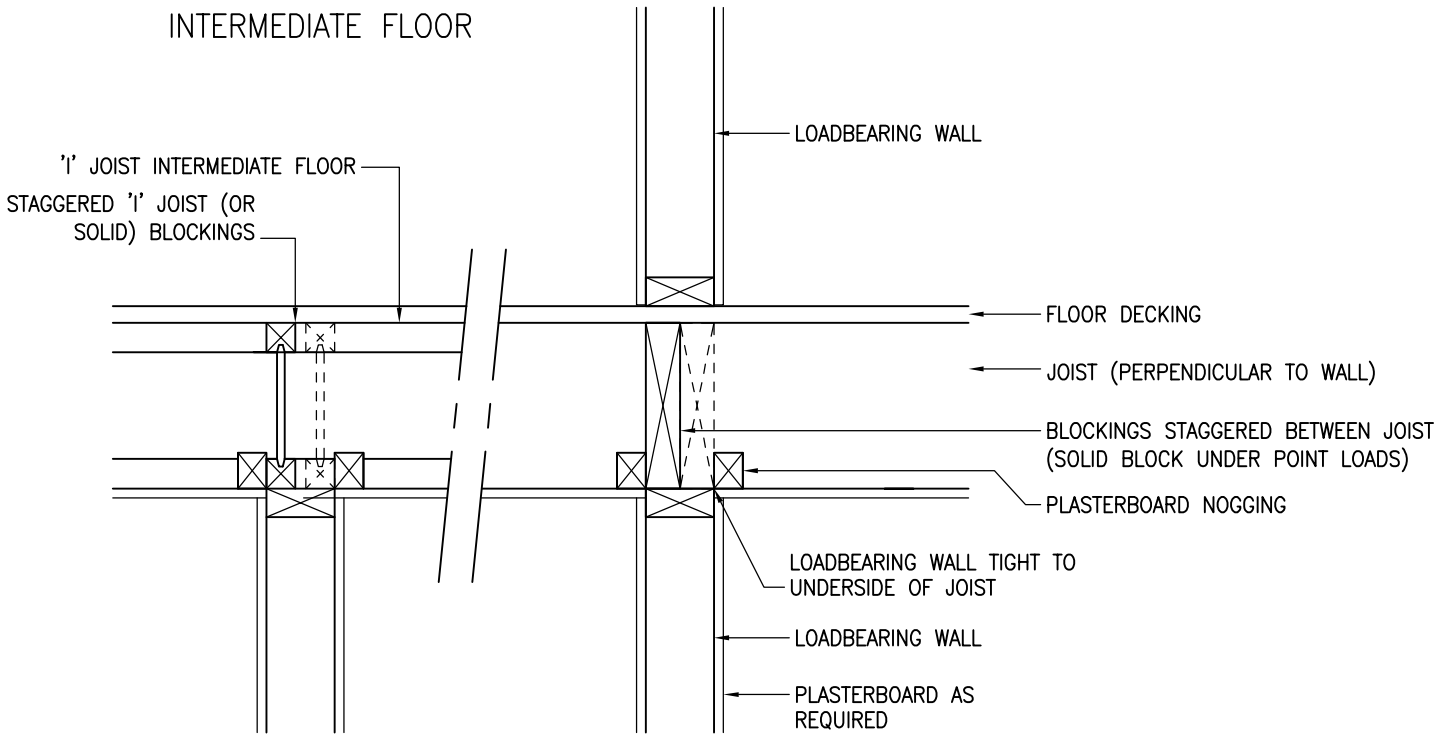


ALL SOLEPLATES AT GROUND FLOOR LEVEL MUST HAVE A PRESERVATIVE TREATMENT IN ACCORDANCE WITH CURRENT STANDARDS

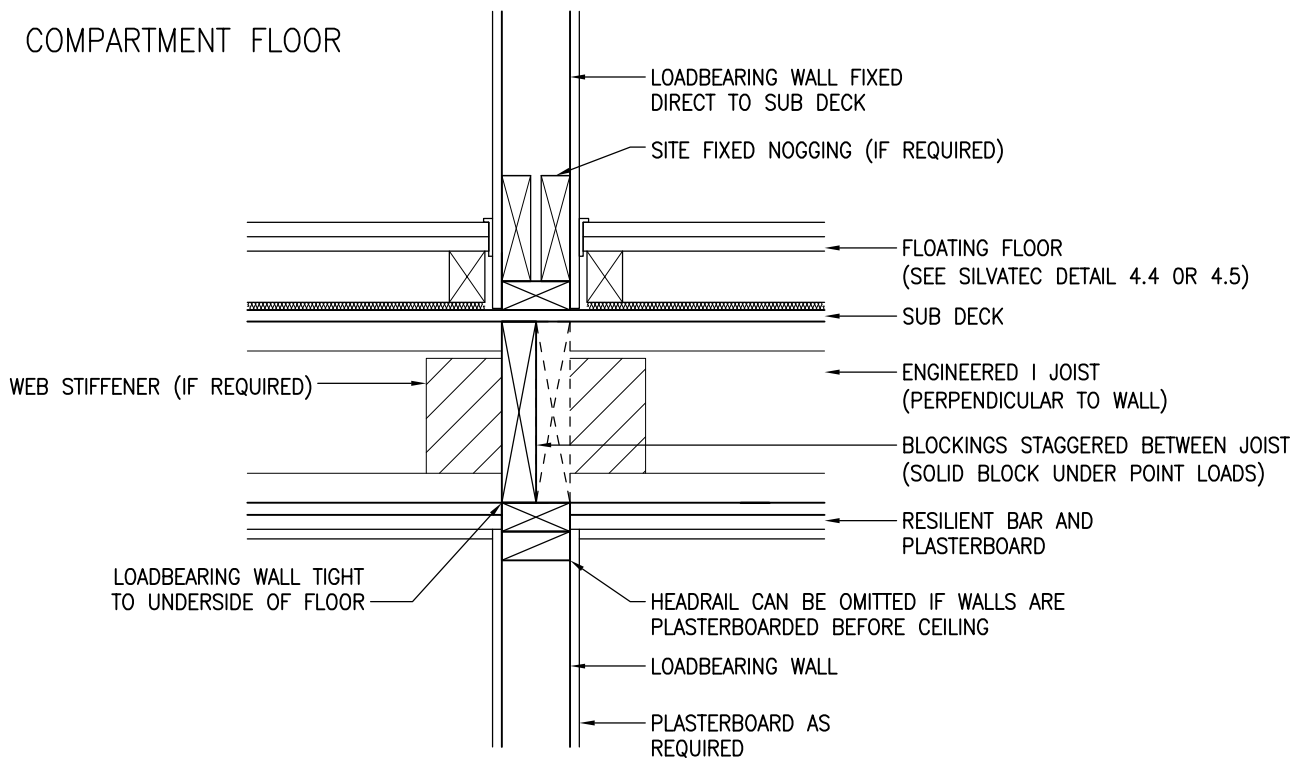
ALL LOADBEARING WALLS WHICH ARE NOT PLASTERBOARDED ON BOTH SIDES AND HAVE NO SHEATHING TO THE CAVITY SIDE MUST HAVE MID HEIGHT NOGGINGS TO RESTRAIN STUDS FROM BUCKLING IN THE WEAK AXIS AS PER THE BRITISH STANDARDS.


 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: INTERNAL WALL – GF SEPARATING WALL		
	DRAWING No: 5.3	REVISION: A	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	

INTERMEDIATE FLOOR

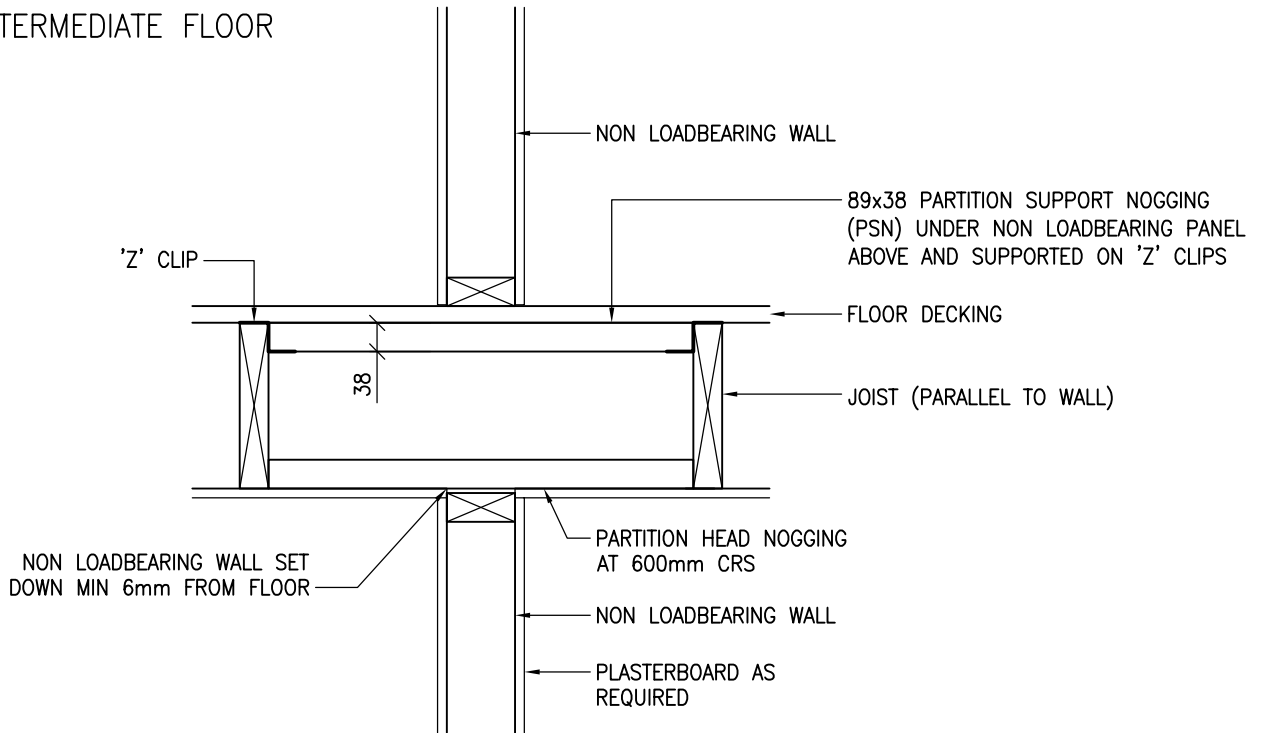


COMPARTMENT FLOOR

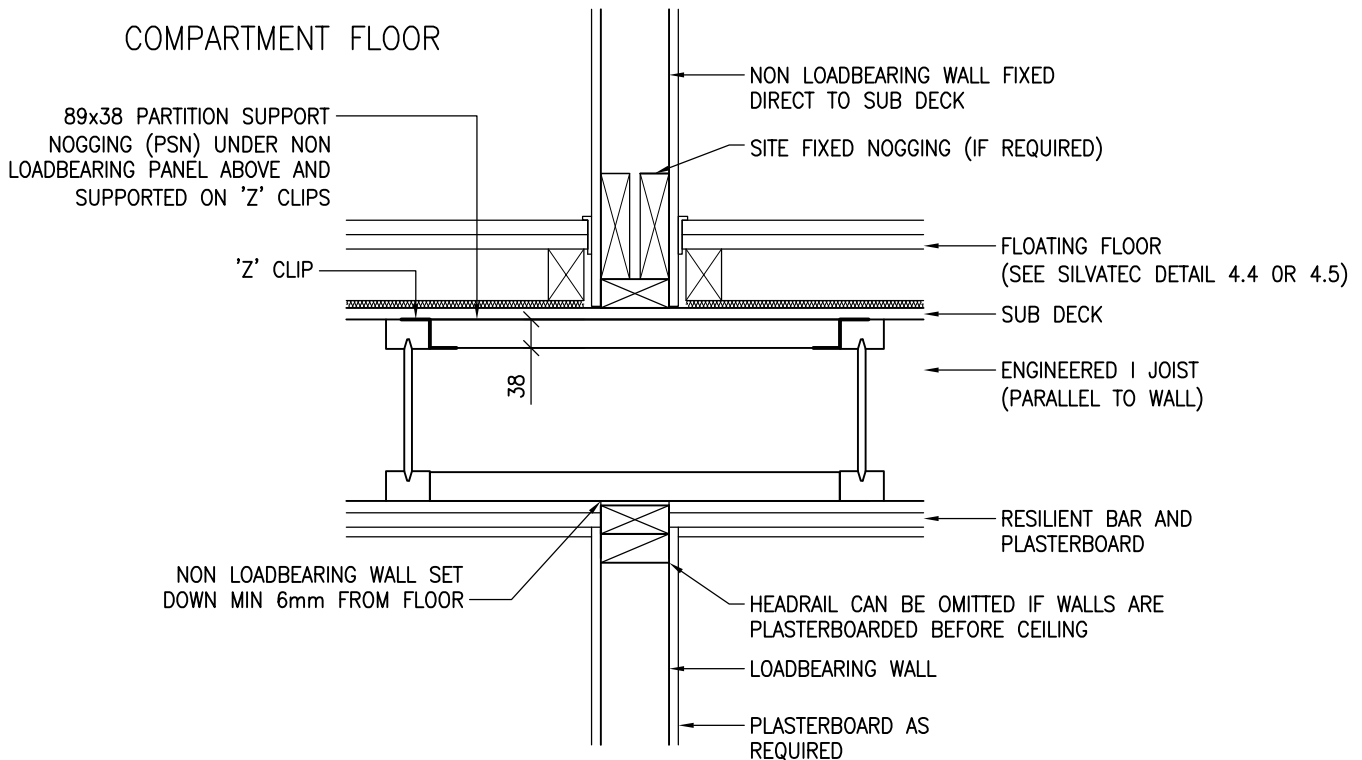


 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: INTERNAL WALL – UPPER FLOOR LOADBEARING PARTITION		
	DRAWING No: 5.4	REVISION: –	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	


INTERMEDIATE FLOOR

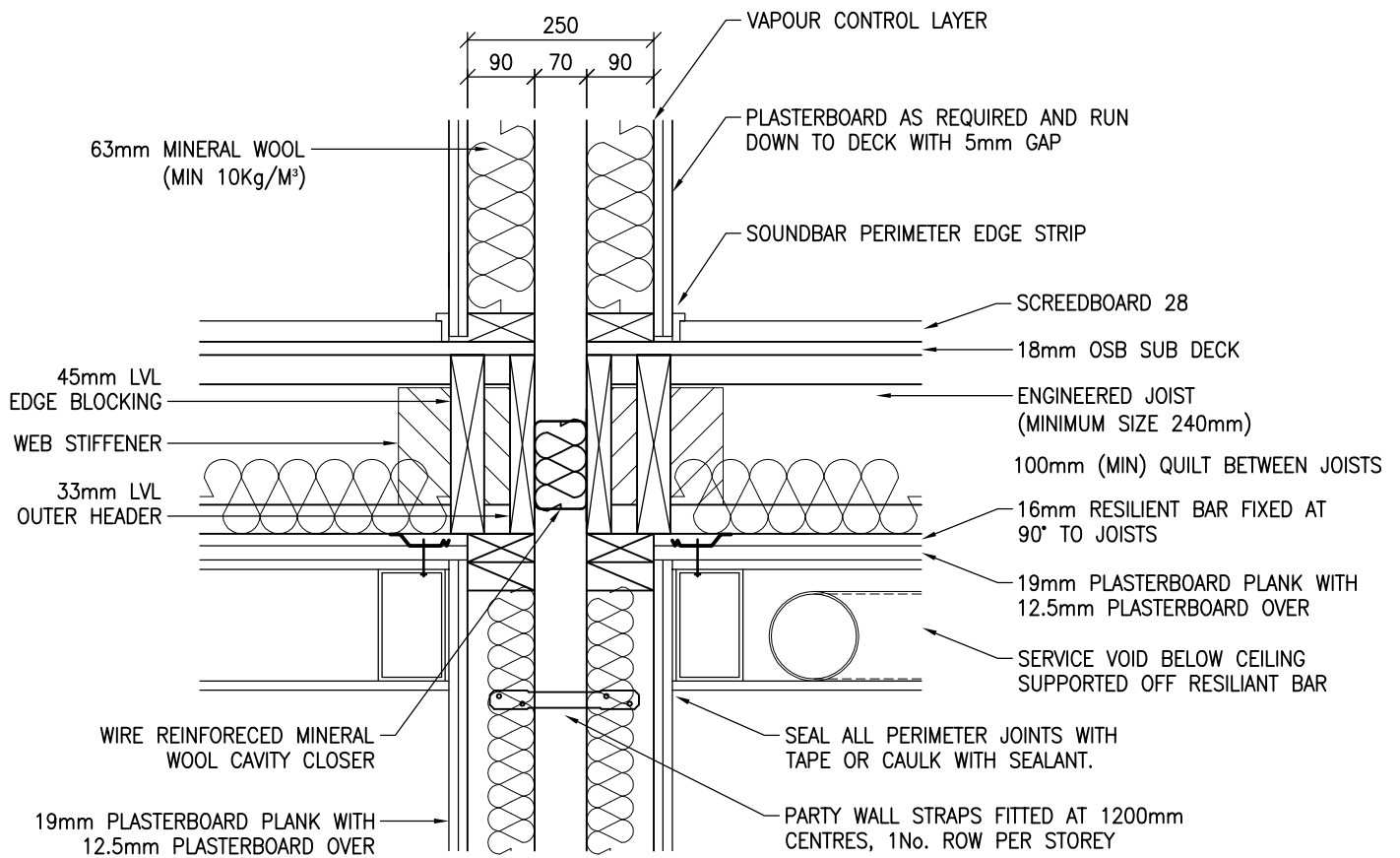


COMPARTMENT FLOOR




NON LOADBEARING WALLS CAN BE DESIGNED WITH 63mm STUD WALLS. IT IS RECOMMENDED THAT MID HEIGHT NOGGINGS ARE INSTALLED TO 63mm WALLS TO PROVIDE A MORE ROBUST FINISH ON SITE. SPECIAL CARE MUST BE TAKEN FOR PLASTERBOARD WHEN 63mm STUD IS TO BE USED FOR AN ACOUSTIC WALL INSIDE A DWELLING AS PER PART E OF THE BUILDING REGULATIONS.

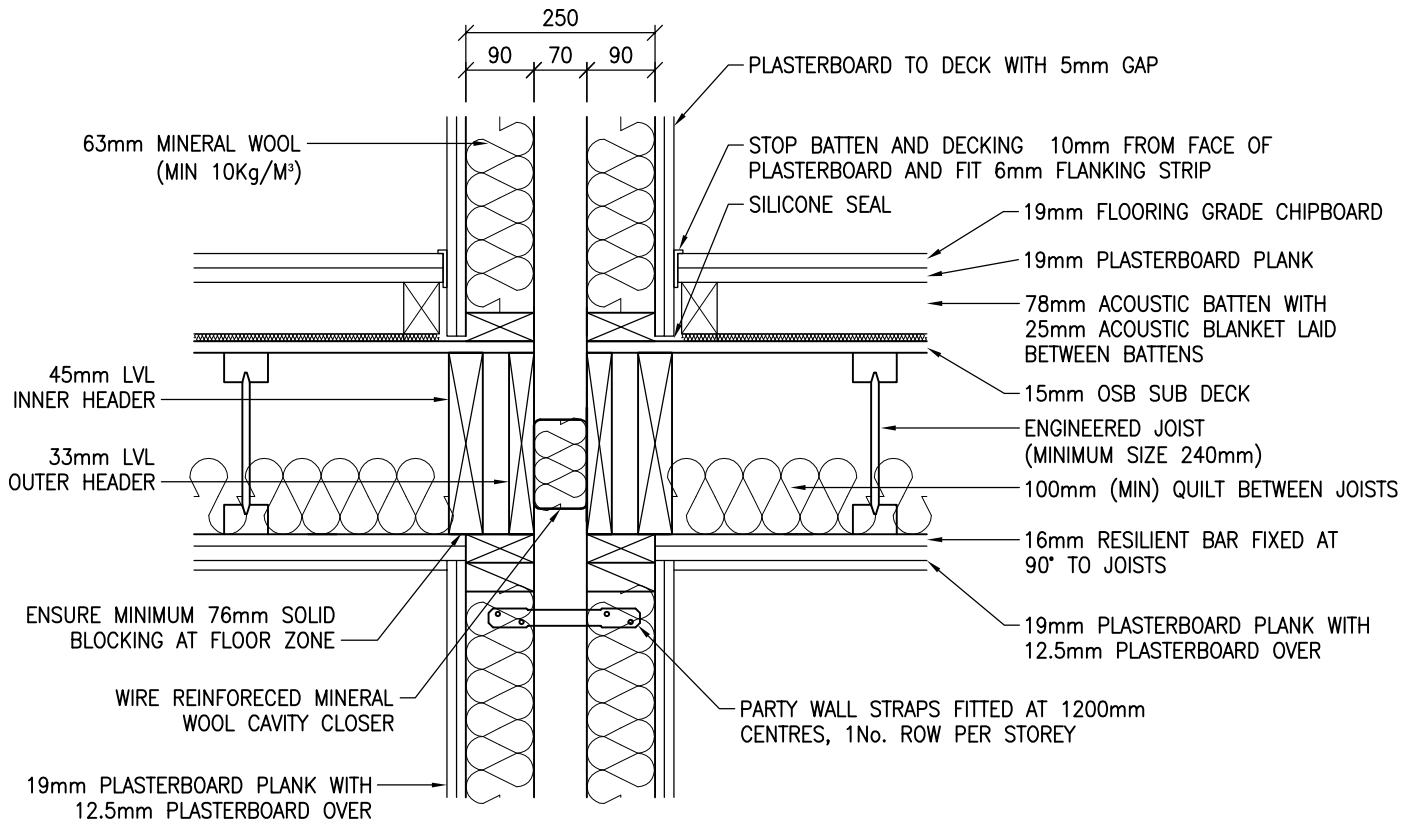
 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: INTERNAL WALL – UPPER FLOOR NON LOADBEARING PARTITION		
	DRAWING No: 5.5	REVISION: –	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	



DETAILS SHOWN COMPLY TO E-FT-5 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.


ALL LOADBEARING WALLS WHICH ARE NOT PLASTERBOARDED ON BOTH SIDES AND HAVE NO SHEATHING TO THE CAVITY SIDE MUST HAVE MID HEIGHT NOGGINGS TO RESTRAIN STUDS FROM BUCKLING IN THE WEAK AXIS AS PER THE BRITISH STANDARDS.

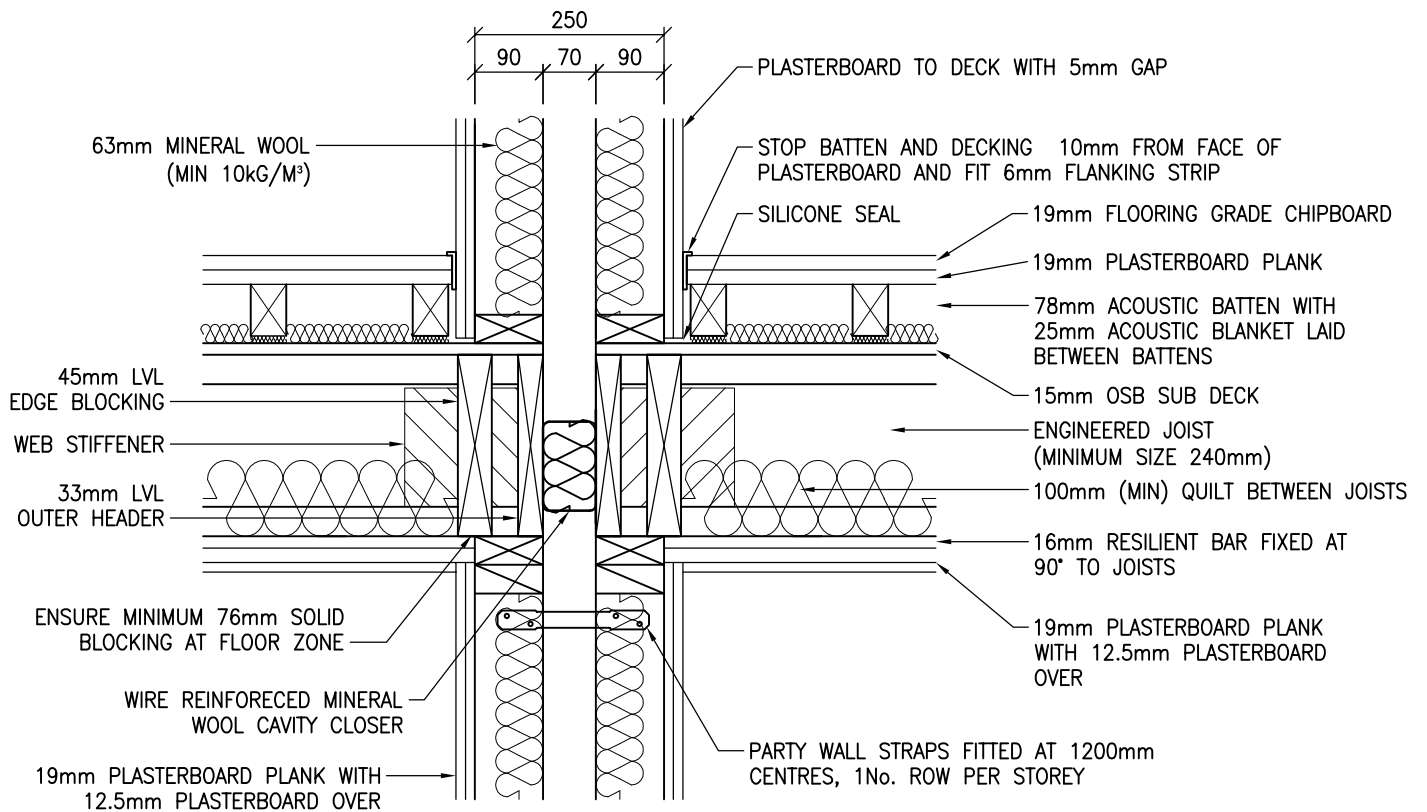
 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: SEPARATING WALL – COMPARTMENT FLOOR WITH SCREEDBOARD & JOISTS PERPENDICULAR		
	DRAWING No: 5.6.14	REVISION: –	SCALE: 1:10
	DRAWN BY: T.ROBERTS	DATE: SEPT 09	



DETAILS SHOWN COMPLY TO E-FT-1 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.


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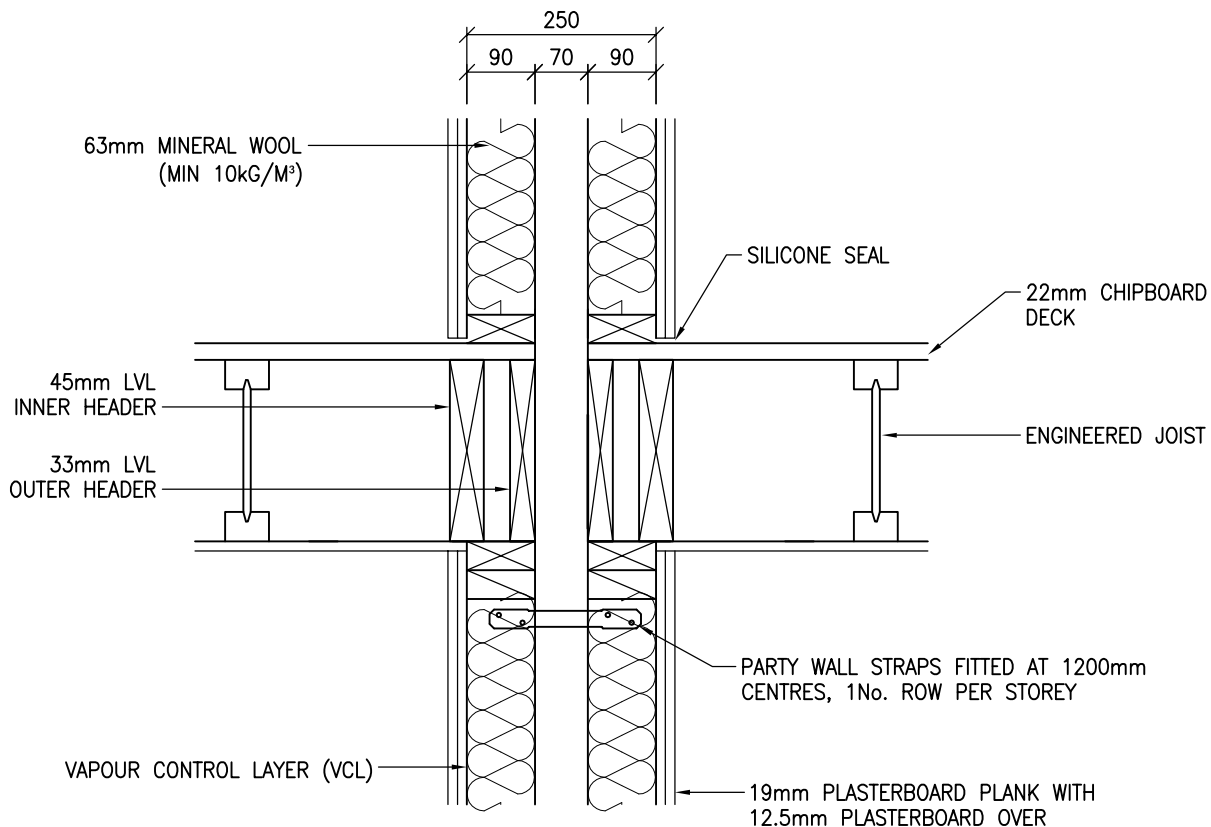
 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: INTERNAL WALL – SEPARATING WALL COMPARTMENT FLOOR JOISTS PARALLEL		
	DRAWING No: 5.6.1	REVISION: A	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	



DETAILS SHOWN COMPLY TO E-FT-1 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.


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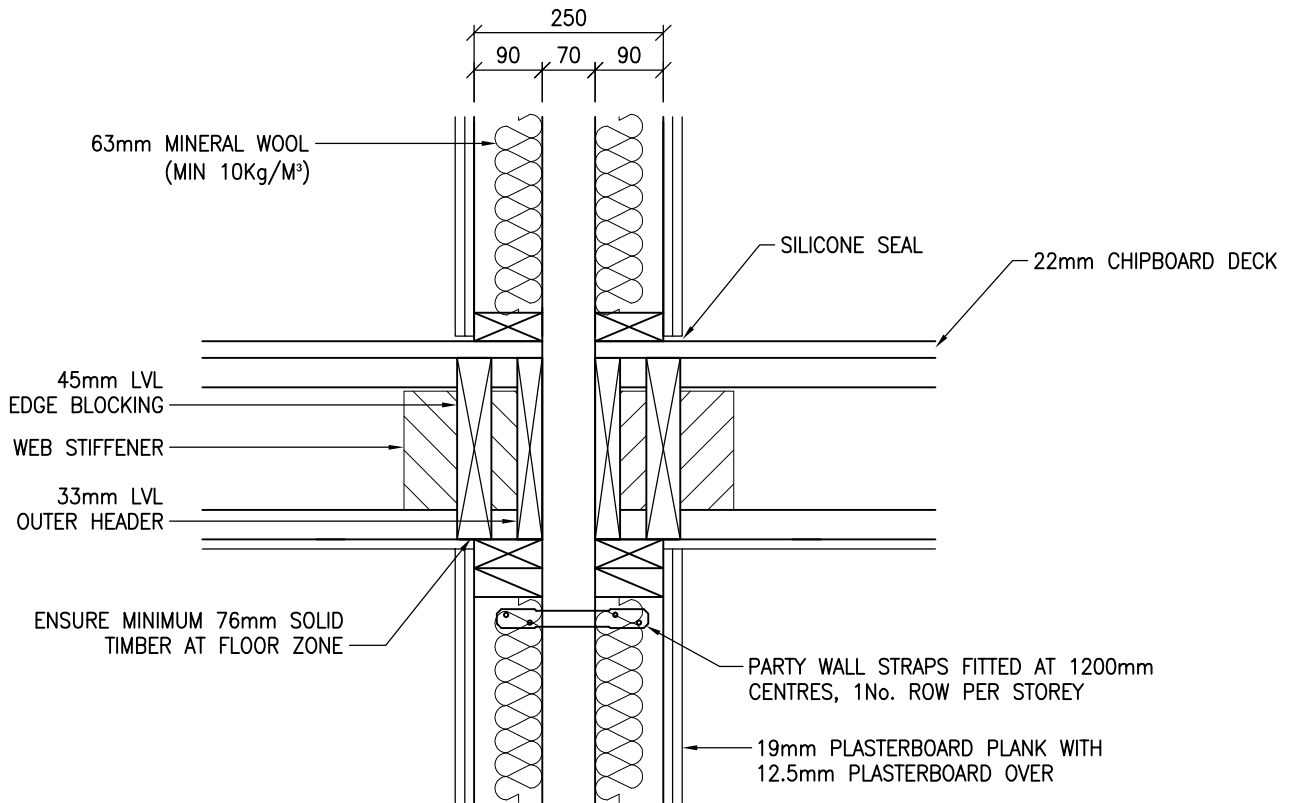
 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: INTERNAL WALL – SEPARATING WALL COMPARTMENT FLOOR JOISTS PERPENDICULAR		
	DRAWING No: 5.6.2	REVISION: A	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	



DETAILS SHOWN COMPLY TO E-WT-1 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.


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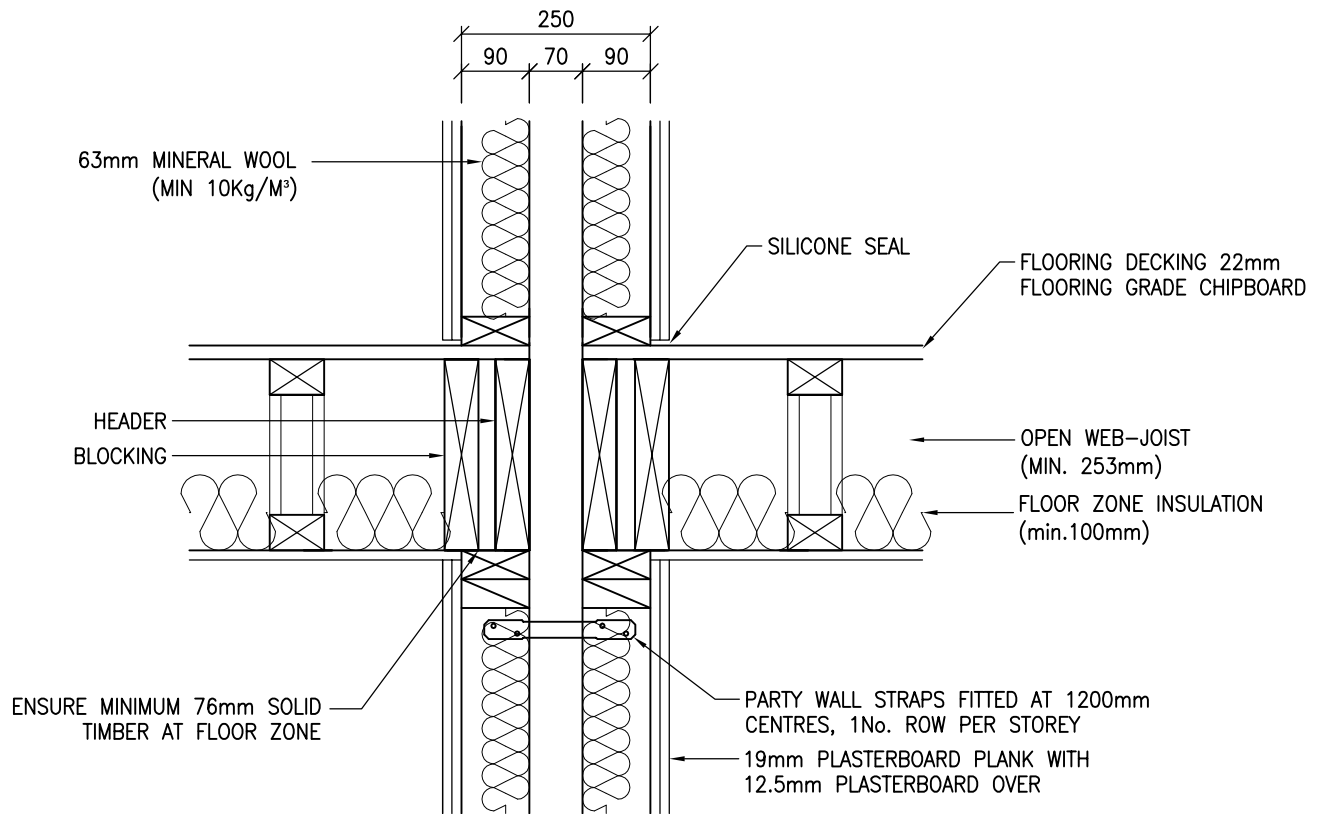
 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: INTERNAL WALL – SEPARATING WALL INTERMEDIATE FLOOR JOISTS PARALLEL		
	DRAWING No: 5.6.3	REVISION: A	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	



DETAILS SHOWN COMPLY TO E-WT-1 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.


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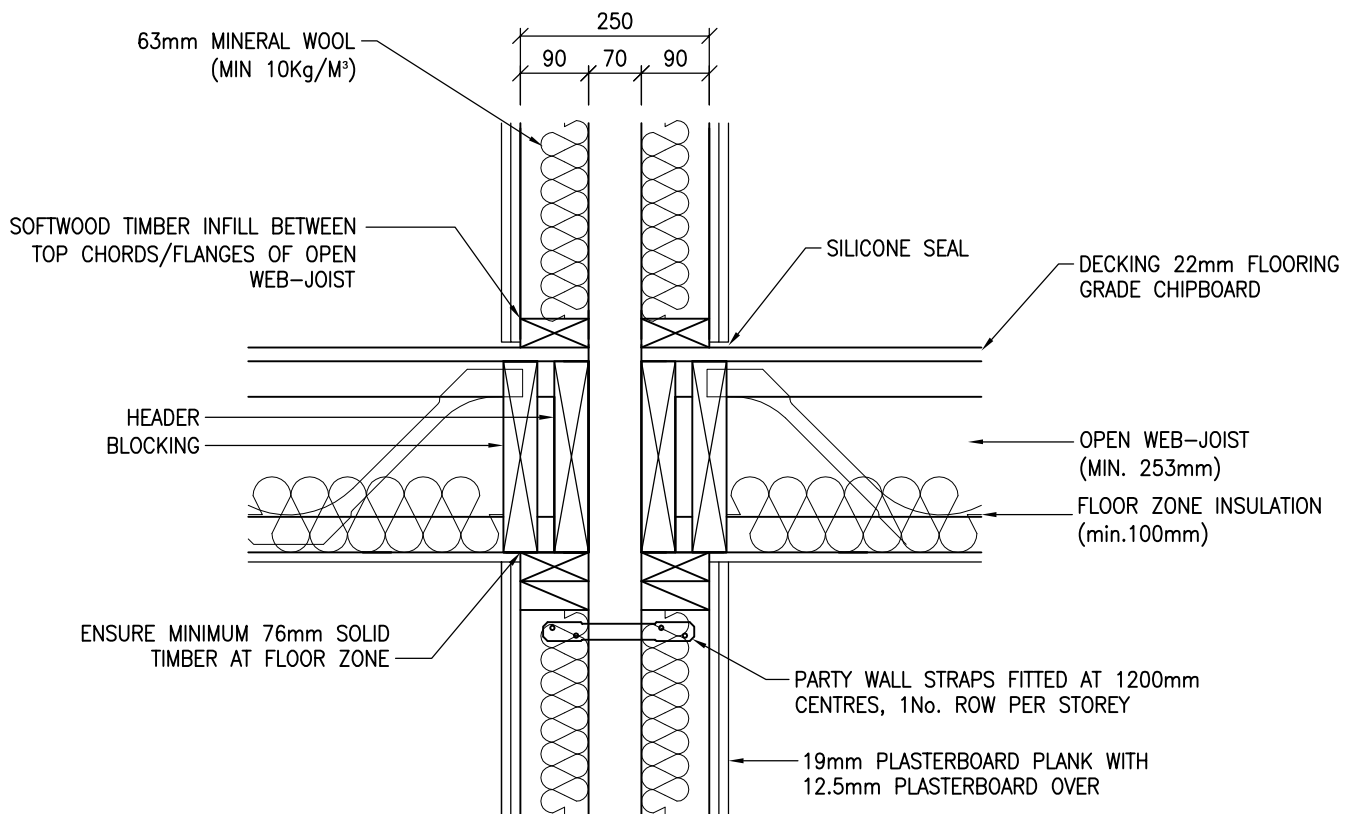
 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: INTERNAL WALL – SEPARATING WALL INTERMEDIATE FLOOR JOISTS PERPENDICULAR		
	DRAWING No: 5.6.4	REVISION: A	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	



DETAILS SHOWN COMPLY TO E-WT-1 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.

ALL LOADBEARING WALLS WHICH ARE NOT PLASTERBOARDED ON BOTH SIDES AND HAVE NO SHEATHING TO THE CAVITY SIDE MUST HAVE MID HEIGHT NOGGINGS TO RESTRAIN STUDS FROM BUCKLING IN THE WEAK AXIS AS PER THE BRITISH STANDARDS.


 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: INTERNAL WALL – SEPARATING WALL INTERMEDIATE FLOOR OPEN WEB PARALLEL		
	DRAWING No: 5.6.5	REVISION: A	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JUN 08	

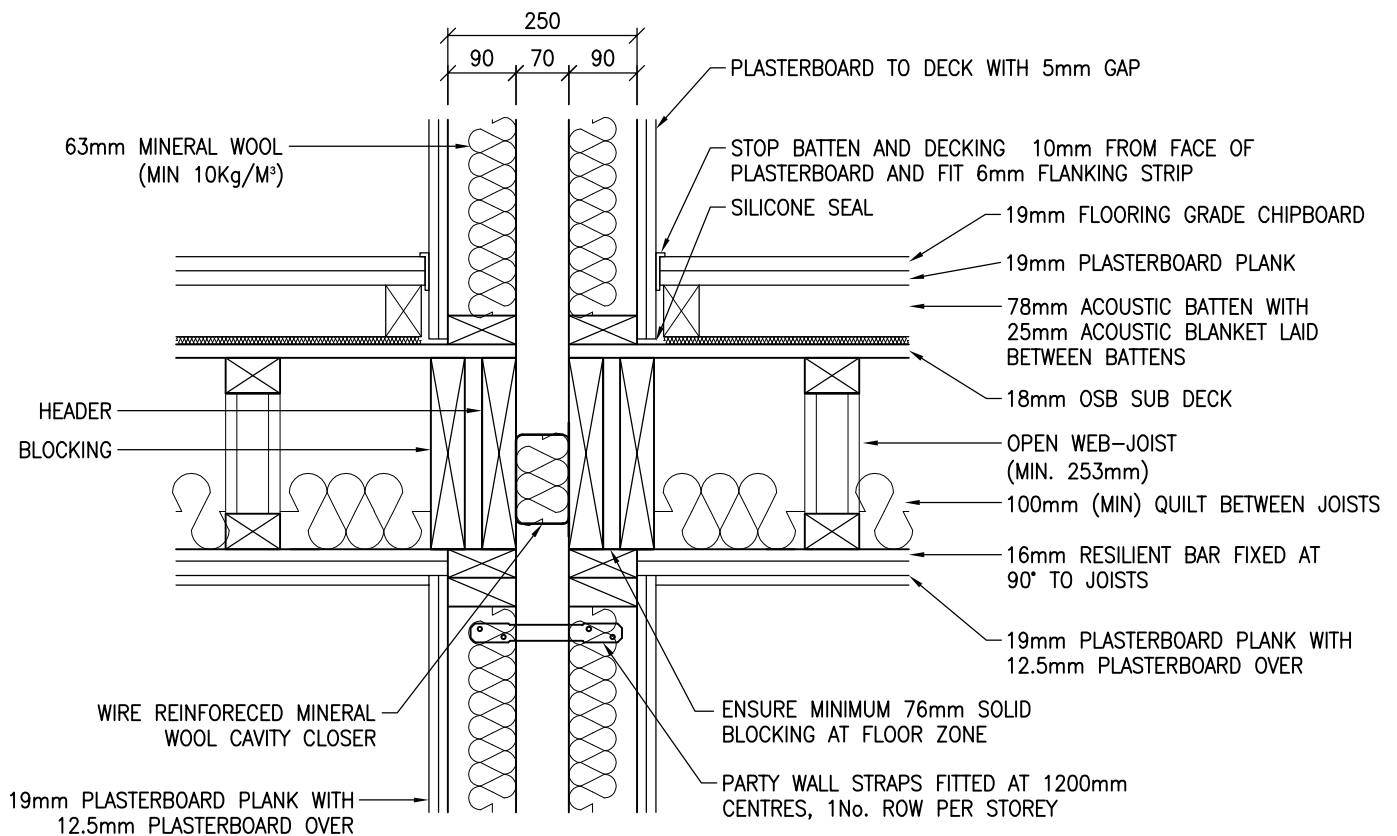


NOTE: JOISTS CAN ALSO BE TOP CHORD/FLANGE SUPPORTED

DETAILS SHOWN COMPLY TO E-WT-1 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.

ALL LOADBEARING WALLS WHICH ARE NOT PLASTERBOARDED ON BOTH SIDES AND HAVE NO SHEATHING TO THE CAVITY SIDE MUST HAVE MID HEIGHT NOGGINGS TO RESTRAIN STUDS FROM BUCKLING IN THE WEAK AXIS AS PER THE BRITISH STANDARDS.


 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: INTERNAL WALL – SEPARATING WALL INTERMEDIATE FLOOR OPEN WEB PERPENDICULAR		
	DRAWING No: 5.6.6	REVISION: A	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JUN 08	

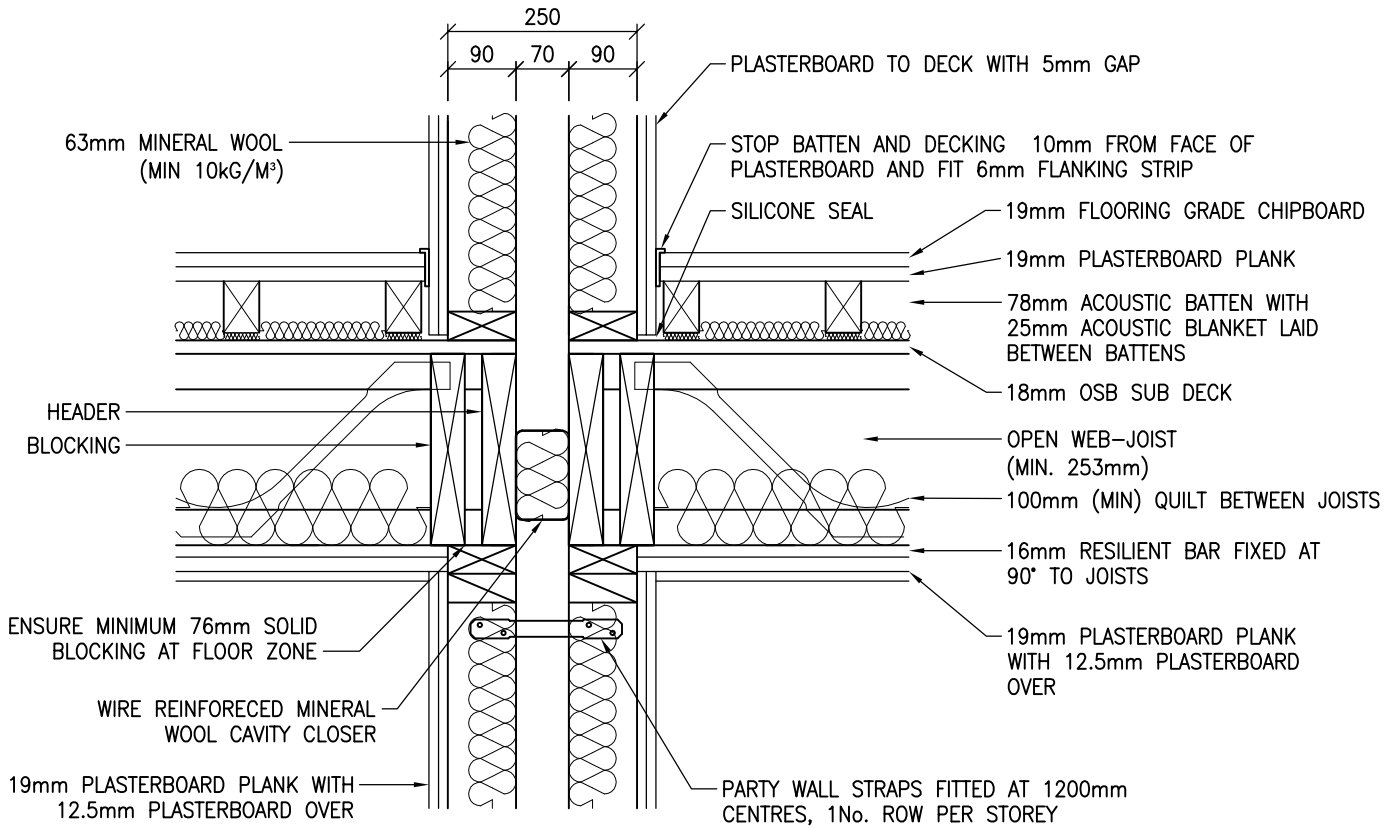


NOTE: JOISTS CAN ALSO BE TOP CHORD/FLANGE SUPPORTED

DETAILS SHOWN COMPLY TO E-FT-3 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.

ALL LOADBEARING WALLS WHICH ARE NOT PLASTERBOARDED ON BOTH SIDES AND HAVE NO SHEATHING TO THE CAVITY SIDE MUST HAVE MID HEIGHT NOGGINGS TO RESTRAIN STUDS FROM BUCKLING IN THE WEAK AXIS AS PER THE BRITISH STANDARDS.


 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: INTERNAL WALL – SEPARATING WALL COMPARTMENT FLOOR OPEN WEB PARALLEL		
	DRAWING No: 5.6.7	REVISION: B	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JUN 08	

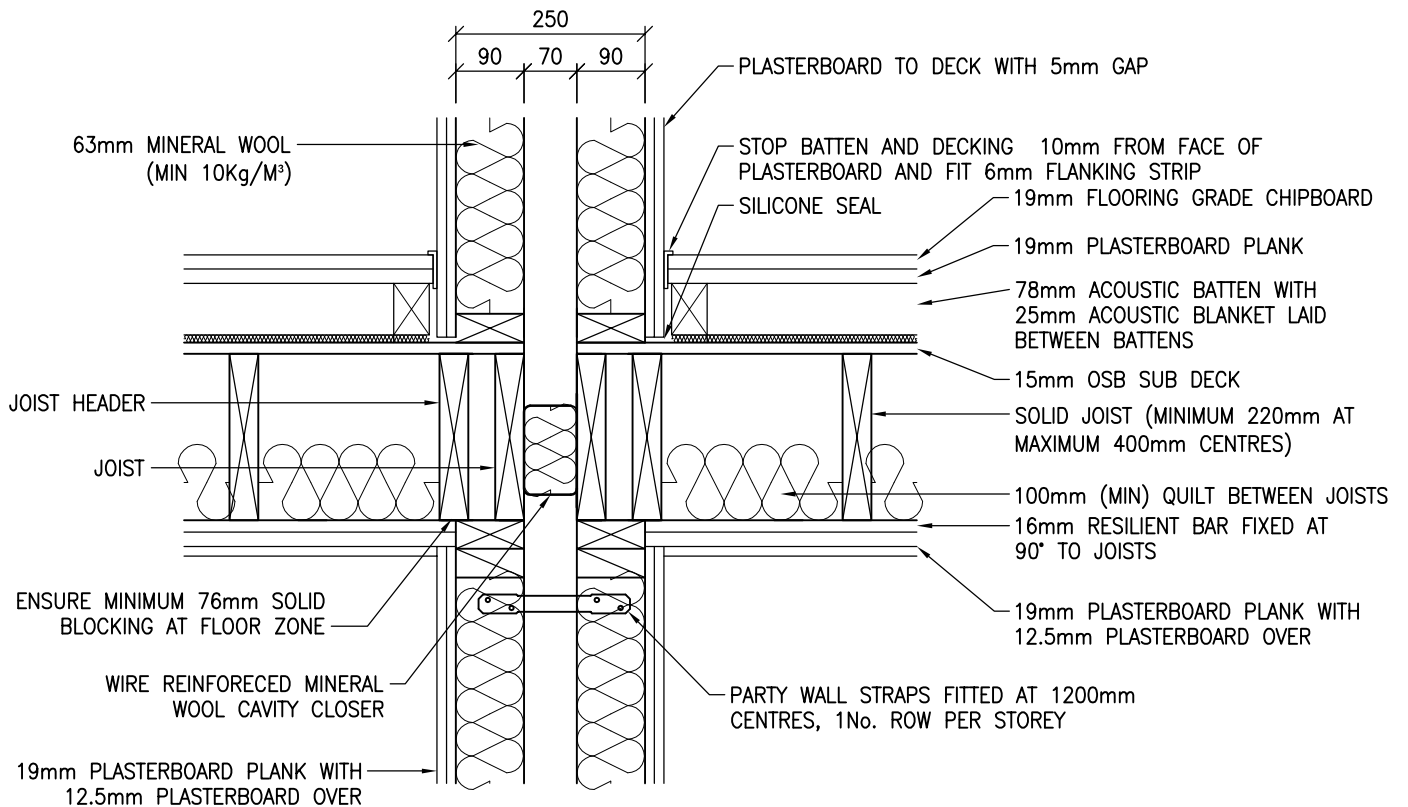


NOTE: JOISTS CAN ALSO BE TOP CHORD/FLANGE SUPPORTED

DETAILS SHOWN COMPLY TO E-FT-3 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.


ALL LOADBEARING WALLS WHICH ARE NOT PLASTERBOARDED ON BOTH SIDES AND HAVE NO SHEATHING TO THE CAVITY SIDE MUST HAVE MID HEIGHT NOGGINGS TO RESTRAIN STUDS FROM BUCKLING IN THE WEAK AXIS AS PER THE BRITISH STANDARDS.

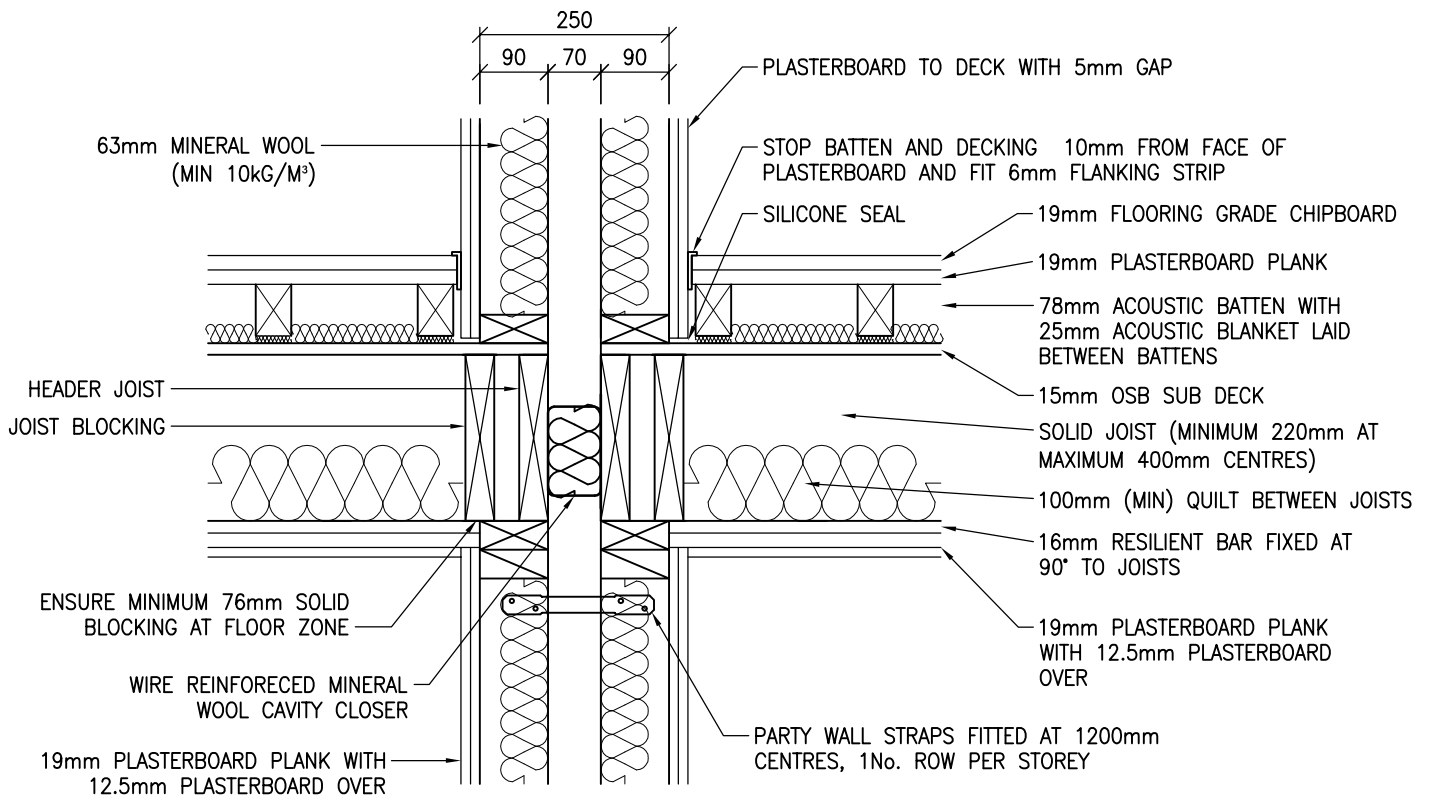
 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: INTERNAL WALL – SEPARATING WALL COMPARTMENT FLOOR OPEN WEB PERPENDICULAR		
	DRAWING No: 5.6.8	REVISION: B	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JUN 08	



DETAILS SHOWN COMPLY TO E-FT-2 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.


ALL LOADBEARING WALLS WHICH ARE NOT PLASTERBOARDED ON BOTH SIDES AND HAVE NO SHEATHING TO THE CAVITY SIDE MUST HAVE MID HEIGHT NOGGINGS TO RESTRAIN STUDS FROM BUCKLING IN THE WEAK AXIS AS PER THE BRITISH STANDARDS.

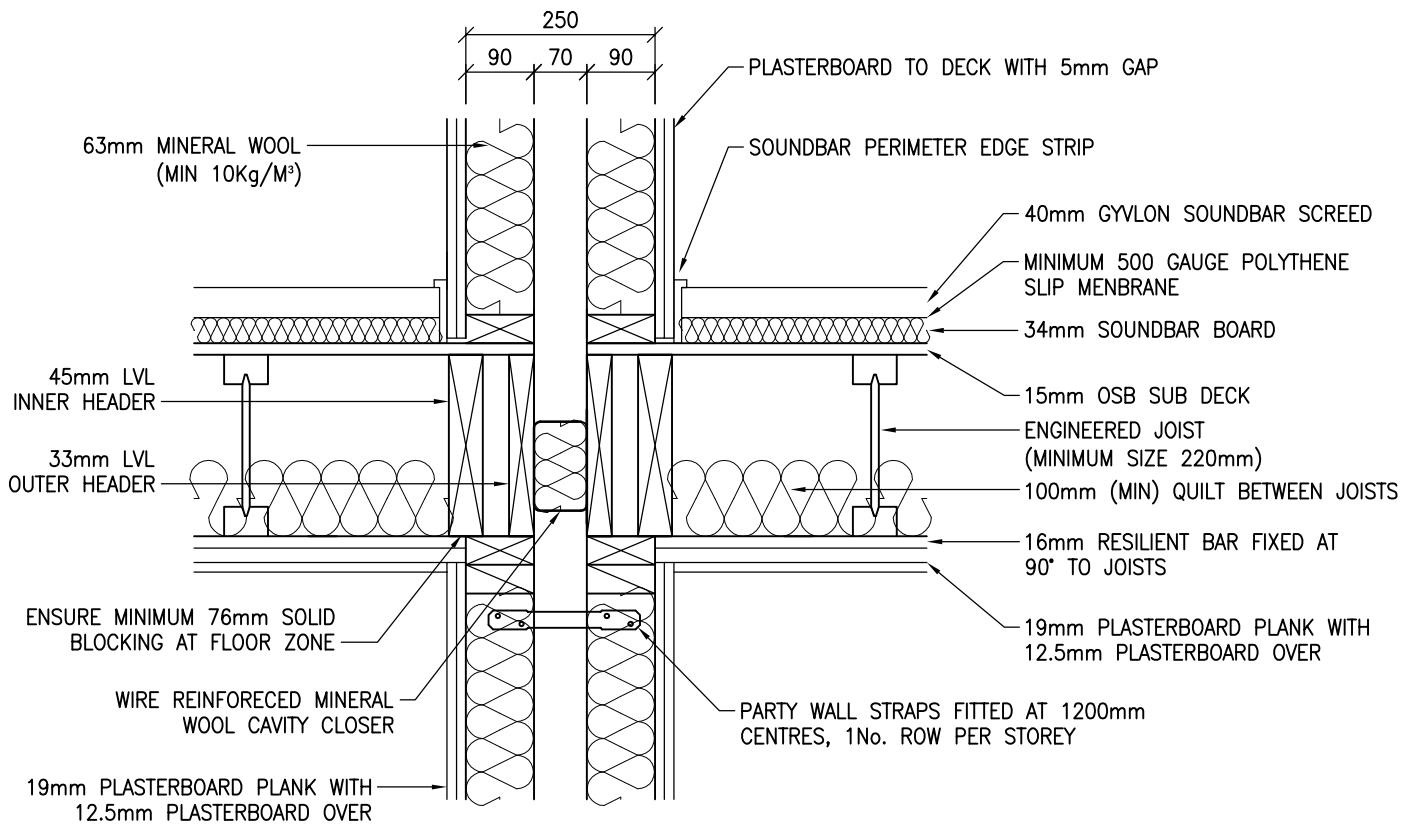
 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: SEPARATING WALL – COMPARTMENT FLOOR SOLID JOISTS PARALLEL		
	DRAWING No: 5.6.9	REVISION: –	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: DEC 08	



DETAILS SHOWN COMPLY TO E-FT-2 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.


ALL LOADBEARING WALLS WHICH ARE NOT PLASTERBOARDED ON BOTH SIDES AND HAVE NO SHEATHING TO THE CAVITY SIDE MUST HAVE MID HEIGHT NOGGINGS TO RESTRAIN STUDS FROM BUCKLING IN THE WEAK AXIS AS PER THE BRITISH STANDARDS.

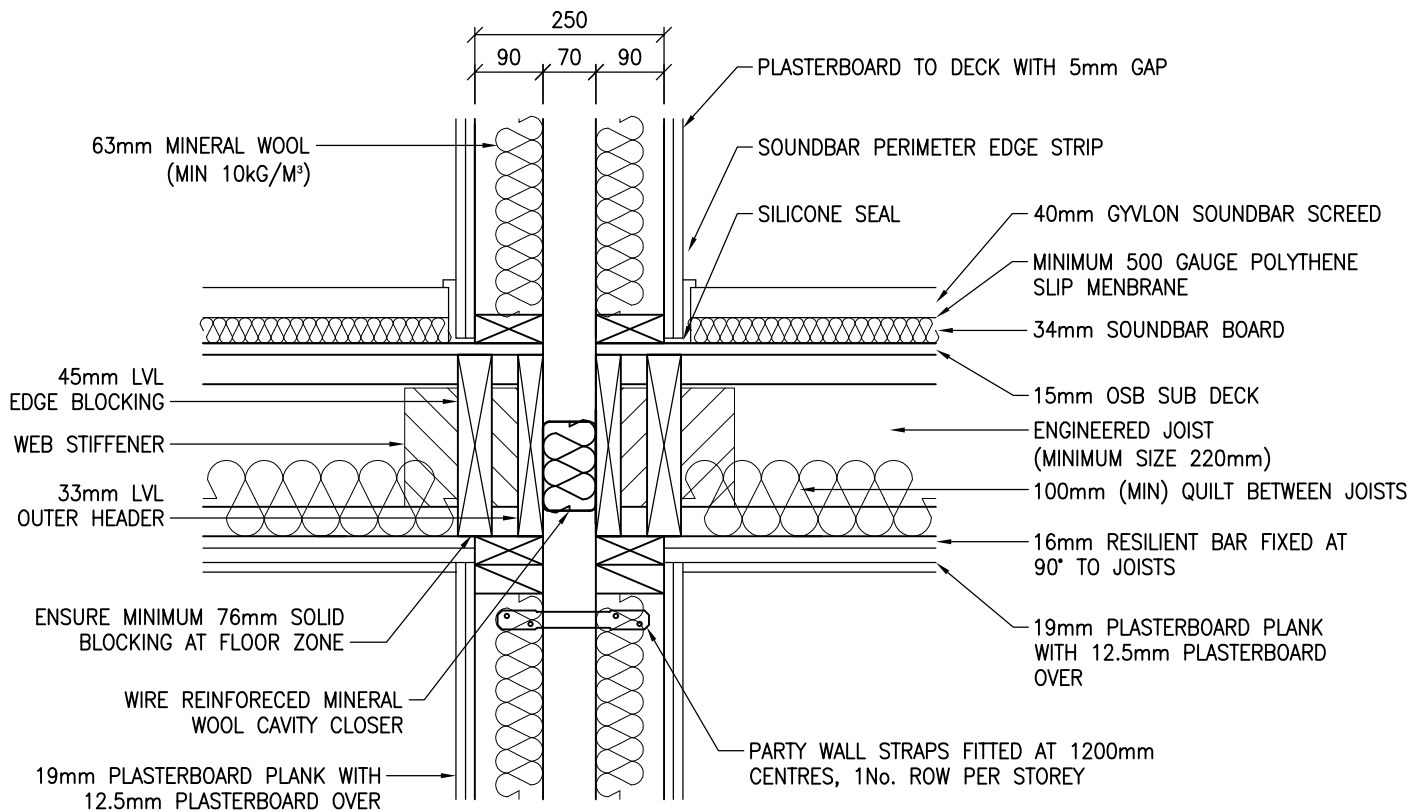
 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: SEPARATING WALL – COMPARTMENT FLOOR SOLID JOISTS PERPENDICULAR		
	DRAWING No: 5.6.10	REVISION: –	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: DEC 08	



DETAILS SHOWN COMPLY TO E-FT-4 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.


ALL LOADBEARING WALLS WHICH ARE NOT PLASTERBOARDED ON BOTH SIDES AND HAVE NO SHEATHING TO THE CAVITY SIDE MUST HAVE MID HEIGHT NOGGINGS TO RESTRAIN STUDS FROM BUCKLING IN THE WEAK AXIS AS PER THE BRITISH STANDARDS.

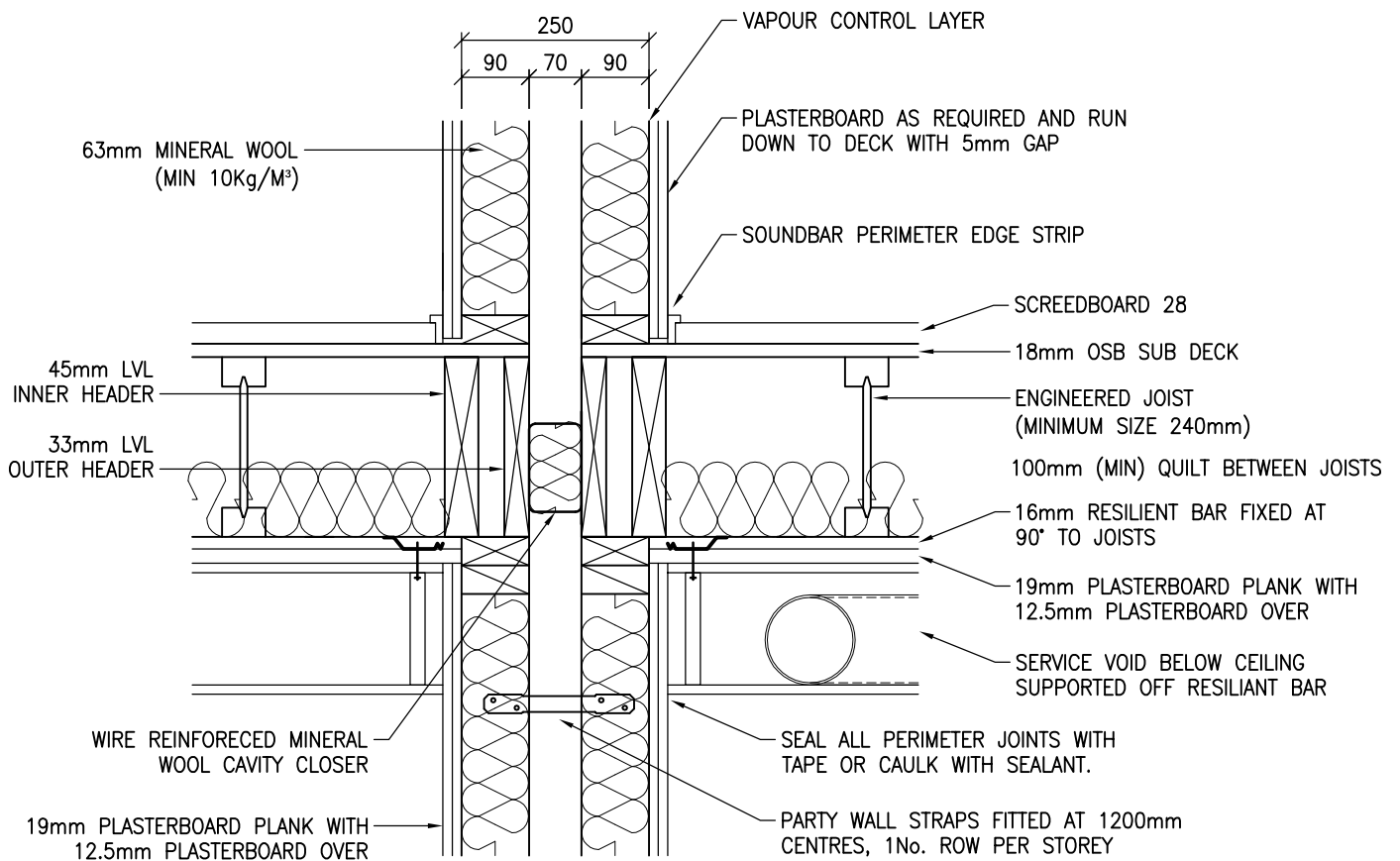
 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: SEPARATING WALL – COMPARTMENT FLOOR WITH SCREED AND JOISTS PARALLEL		
	DRAWING No: 5.6.11	REVISION: –	SCALE: 1:10
	DRAWN BY: M.SINGLIAR	DATE: NOV 08	



DETAILS SHOWN COMPLY TO E-FT-4 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.


ALL LOADBEARING WALLS WHICH ARE NOT PLASTERBOARDED ON BOTH SIDES AND HAVE NO SHEATHING TO THE CAVITY SIDE MUST HAVE MID HEIGHT NOGGINGS TO RESTRAIN STUDS FROM BUCKLING IN THE WEAK AXIS AS PER THE BRITISH STANDARDS.

 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: SEPARATING WALL – COMPARTMENT FLOOR WITH SCREED AND JOISTS PERPENDICULAR		
	DRAWING No: 5.6.12	REVISION: –	SCALE: 1:10
	DRAWN BY: M.SINGLIAR	DATE: NOV 08	

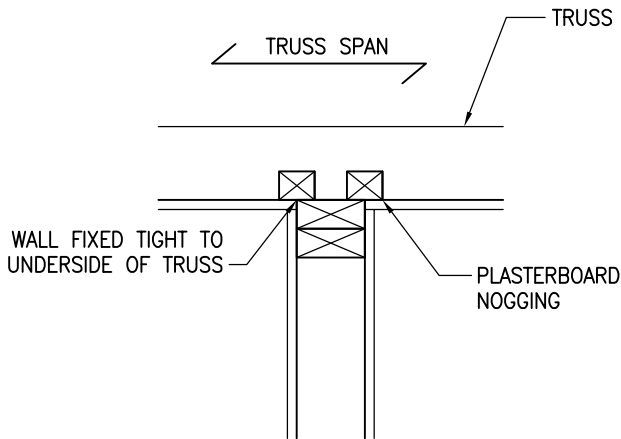


DETAILS SHOWN COMPLY TO E-FT-5 OF THE ROBUST STANDARD DETAILS. OTHER ACOUSTIC FLOOR DETAILS ARE AVAILABLE BUT MAY BE SUBJECT TO PRE-COMPLETION SOUND TESTING.

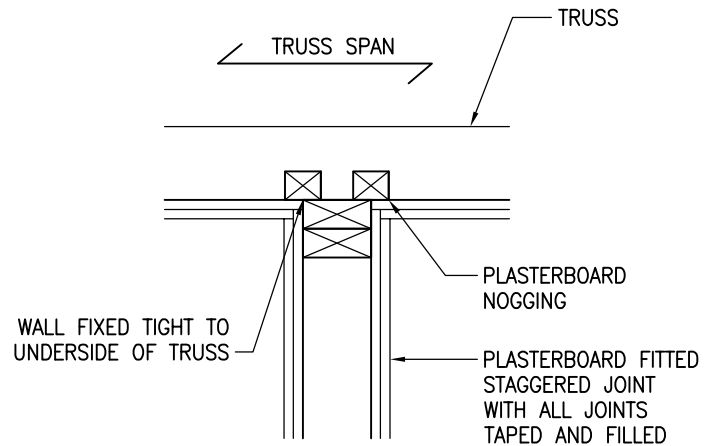
ALL LOADBEARING WALLS WHICH ARE NOT PLASTERBOARDED ON BOTH SIDES AND HAVE NO SHEATHING TO THE CAVITY SIDE MUST HAVE MID HEIGHT NOGGINGS TO RESTRAIN STUDS FROM BUCKLING IN THE WEAK AXIS AS PER THE BRITISH STANDARDS.

 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: SEPARATING WALL – COMPARTMENT FLOOR WITH SCREEDBOARD AND JOISTS PARALLEL		
	DRAWING No: 5.6.13	REVISION: –	SCALE: 1:10
	DRAWN BY: T.ROBERTS	DATE: SEPT 09	

LOADBEARING WALL
30 MINUTES FIRE RESISTANCE

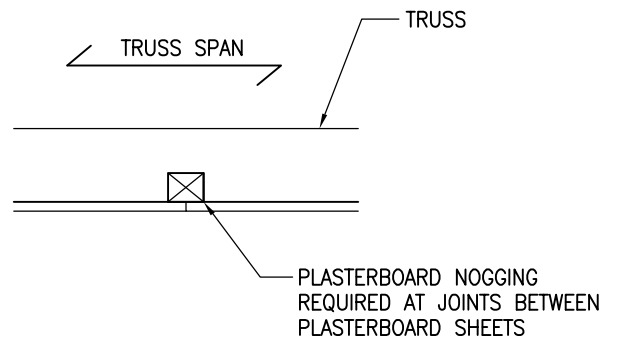
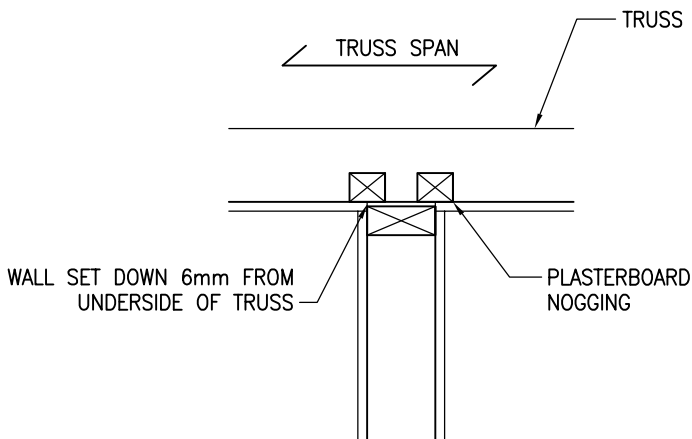


LOADBEARING WALL
60 MINUTES FIRE RESISTANCE



PLASTERBOARD REQUIREMENTS MUST BE CONFIRMED WITH BUILDING DESIGNER


NON LOADBEARING WALL
30 MINUTES FIRE RESISTANCE

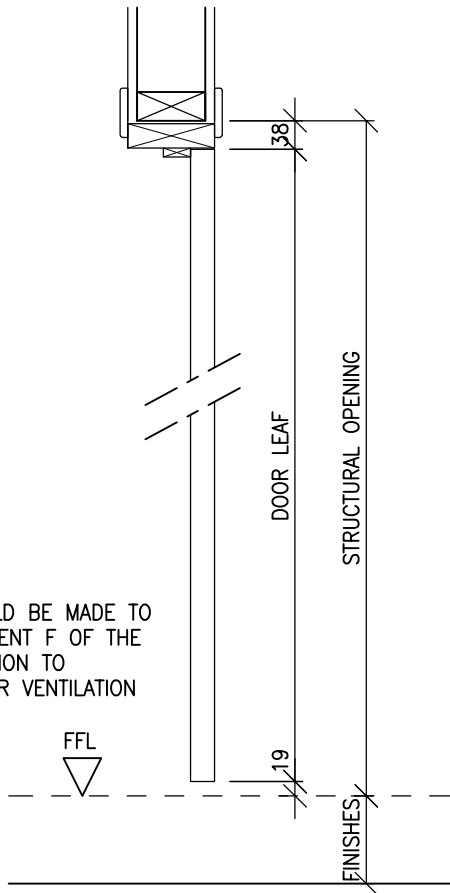


ALL PLASTERBOARD SHOWN IS 12.5mm THICK AND MUST BE MINIMUM OF 10Kg/M².

PLASTERBOARD MUST BE FIXED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, WITH JOINTS TAPED AND FILLED AND BACKED BY SOLID TIMBER.

ENSURE PLASTERBOARD SCREWS DO NOT PENETRATE PAPER AS THIS WILL COMPROMISE THE INTEGRITY OF THE PLASTERBOARD

 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: INTERNAL WALL – CEILING		
	DRAWING No: 5.7	REVISION: –	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: JAN 08	

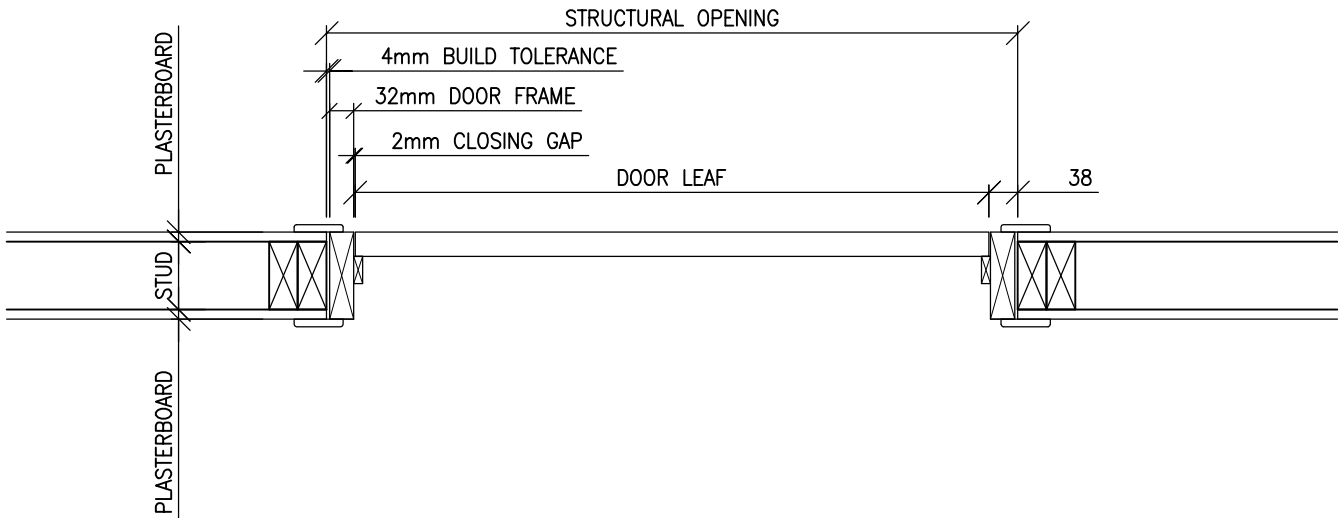


IMPERIAL DOOR LEAF SIZES

DOOR LEAF WIDTH	HEIGHT	STRUCTURAL OPENING FROM FFL	
		WIDTH	HEIGHT
381 (1'3")	1981 (6'6")	457	2038 (ALLOW 2040)
457 (1'6")	1981 (6'6")	533	2038 (ALLOW 2040)
533 (1'9")	1981 (6'6")	610	2038 (ALLOW 2040)
610 (2'0")	1981 (6'6")	686	2038 (ALLOW 2040)
686 (2'3")	1981 (6'6")	762	2038 (ALLOW 2040)
762 (2'6")	1981 (6'6")	838	2038 (ALLOW 2040)
838 (2'9")	1981 (6'6")	914	2038 (ALLOW 2040)

METRIC DOOR LEAF SIZES

DOOR LEAF WIDTH	HEIGHT	STRUCTURAL OPENING FROM FFL	
		WIDTH	HEIGHT
526	2040	600	2097 (ALLOW 2100)
626	2040	700	2097 (ALLOW 2100)
726	2040	800	2097 (ALLOW 2100)
826	2040	900	2097 (ALLOW 2100)
926	2040	1000	2097 (ALLOW 2100)



Building 1 Grosvenor Court
Hiple Street
Old Woking
SURREY
GU22 9LL

TEL: 01483 769518
FAX: 01483 770863

E-MAIL: design@silvatecdesign.com

DRAWING TITLE:
DOOR LININGS – INTERNAL

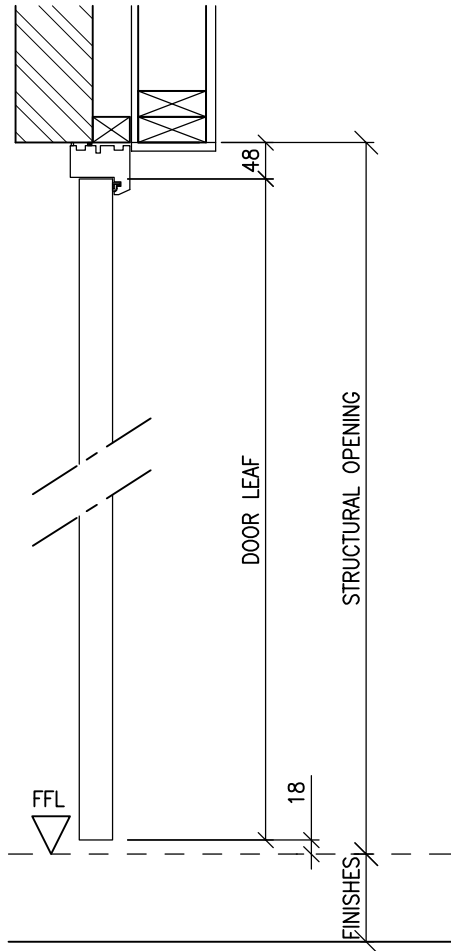
DRAWING No:
6.1

REVISION:
-

SCALE:
1:20

DRAWN BY:
T.KNIGHT

DATE:
JAN 08

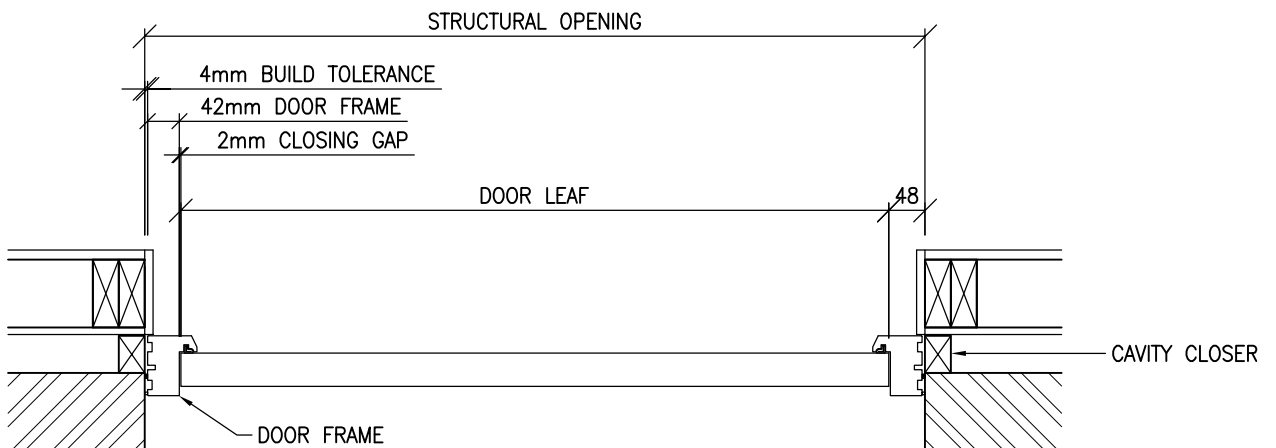


IMPERIAL DOOR LEAF SIZES

DOOR LEAF WIDTH	HEIGHT	STRUCTURAL OPENING FROM FFL	
		WIDTH	HEIGHT
381 (1'3")	1981 (6'6")	477	2077 (ALLOW 2100)
457 (1'6")	1981 (6'6")	553	2077 (ALLOW 2100)
533 (1'9")	1981 (6'6")	629	2077 (ALLOW 2100)
610 (2'0")	1981 (6'6")	706	2077 (ALLOW 2100)
686 (2'3")	1981 (6'6")	782	2077 (ALLOW 2100)
762 (2'6")	1981 (6'6")	858	2077 (ALLOW 2100)
838 (2'9")	1981 (6'6")	934	2077 (ALLOW 2100)
914 (3'0")	1981 (6'6")	981	2077 (ALLOW 2100)

METRIC DOOR LEAF SIZES

DOOR LEAF WIDTH	HEIGHT	STRUCTURAL OPENING FROM FFL	
		WIDTH	HEIGHT
526	2040	622	2107 (ALLOW 2100)
626	2040	722	2107 (ALLOW 2100)
726	2040	822	2107 (ALLOW 2100)
826	2040	922	2107 (ALLOW 2100)
926	2040	1022	2107 (ALLOW 2100)

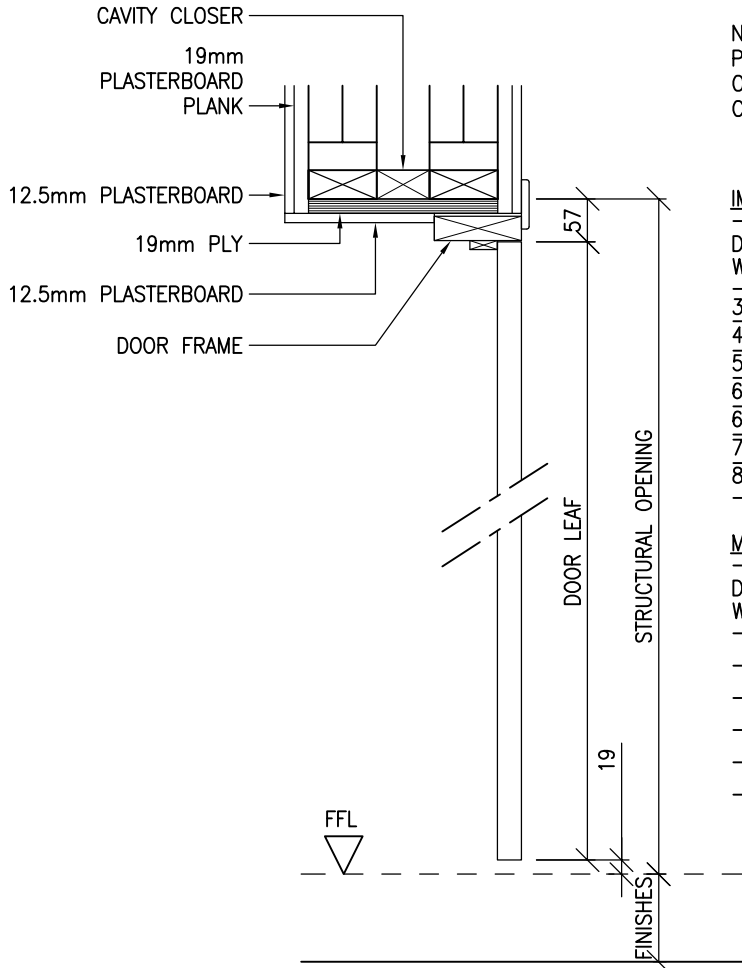


Building 1 Grosvenor Court
 Hipley Street
 Old Woking
 SURREY
 GU22 9LL

TEL: 01483 769518
 FAX: 01483 770863
 E-MAIL: design@silvatecdesign.com

DRAWING TITLE:
 DOOR LININGS – EXTERNAL WALL

DRAWING No: 6.2	REVISION: -	SCALE: 1:20
DRAWN BY: T.KNIGHT	DATE: JAN 08	



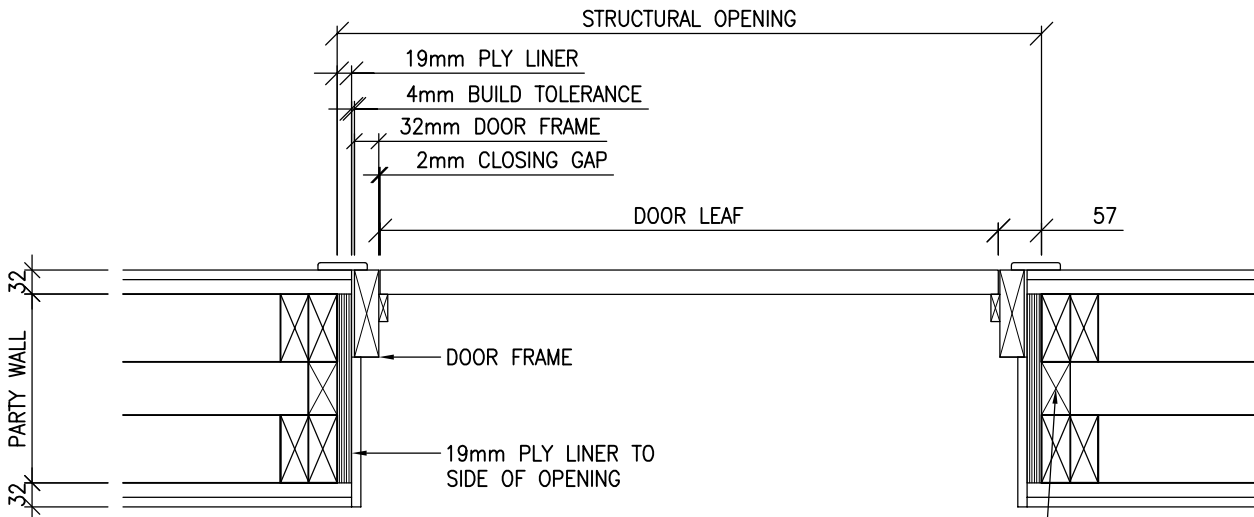
NOTE:
 PART B – 10.6 STATES THAT CAVITY BARRIERS AROUND OPENINGS CAN BE FORMED BY THE DOOR FRAME.
 CHECK SPECIFICATION WITH DOOR SUPPLIER.

IMPERIAL DOOR LEAF SIZES

DOOR LEAF WIDTH	HEIGHT	STRUCTURAL OPENING FROM FFL WIDTH	STRUCTURAL OPENING FROM FFL HEIGHT
381 (1'3")	1981 (6'6")	457	2057
457 (1'6")	1981 (6'6")	533	2057
533 (1'9")	1981 (6'6")	610	2057
610 (2'0")	1981 (6'6")	686	2057
686 (2'3")	1981 (6'6")	762	2057
762 (2'6")	1981 (6'6")	838	2057
838 (2'9")	1981 (6'6")	914	2057

METRIC DOOR LEAF SIZES

DOOR LEAF WIDTH	HEIGHT	STRUCTURAL OPENING FROM FFL WIDTH	STRUCTURAL OPENING FROM FFL HEIGHT
526	2040	600	2116
626	2040	700	2116
726	2040	800	2116
826	2040	900	2116
926	2040	1000	2116



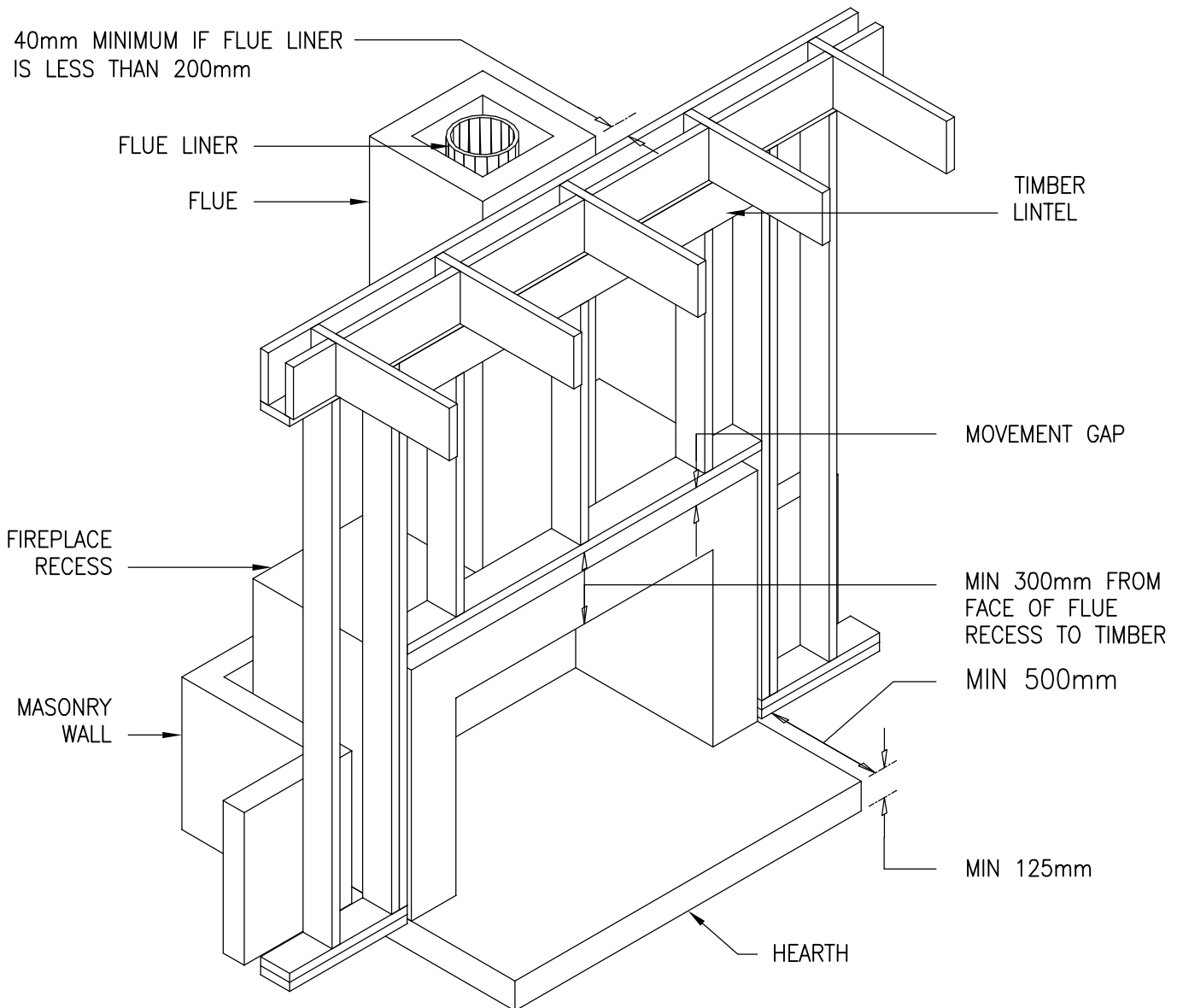
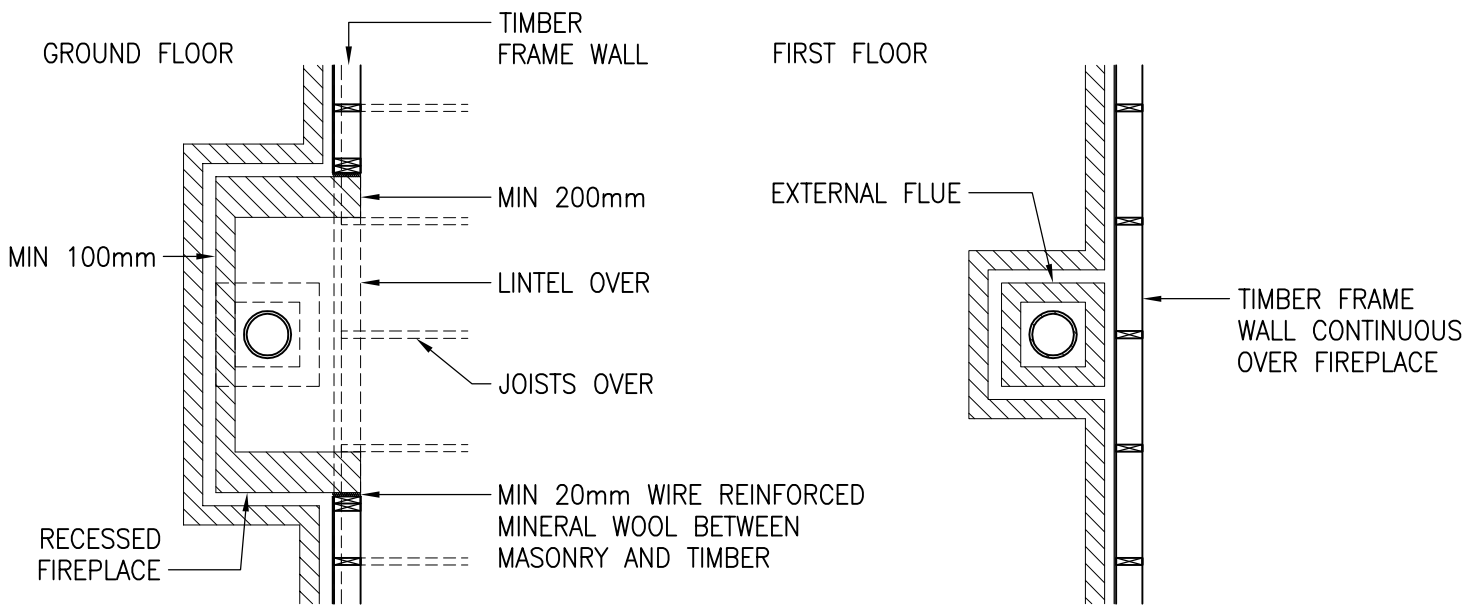
CAVITY CLOSER NOT REQUIRED AS LONG AS OPENING IS COVERED BY EITHER 38MM OF TIMBER DOOR FRAME OR MINIMUM 12MM GYPSUM BASED BOARD AS SHOWN




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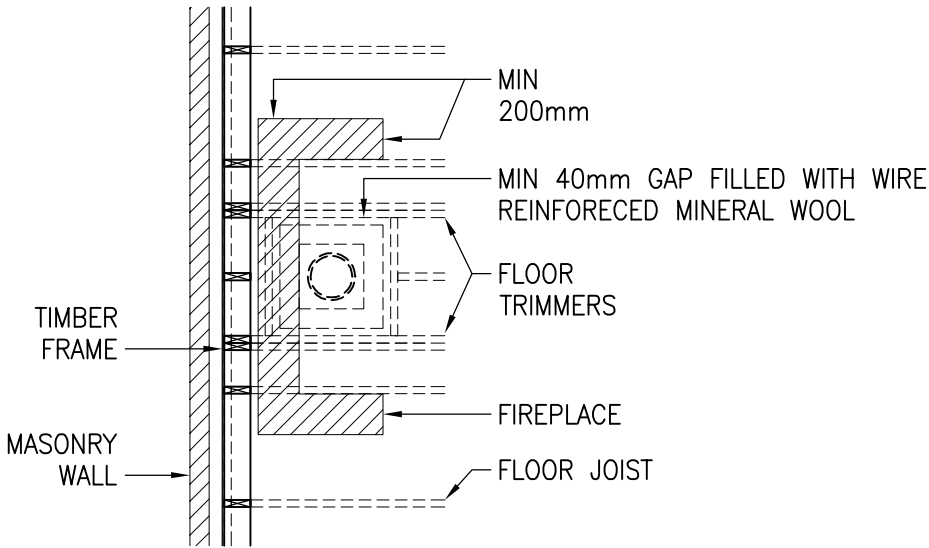
TEL: 01483 769518
 FAX: 01483 770863
 E-MAIL: design@silvatecdesign.com

DRAWING TITLE: DOOR LININGS – PARTY WALL		
DRAWING No: 6.3	REVISION: –	SCALE: 1:20
DRAWN BY: T.KNIGHT	DATE: JAN 08	

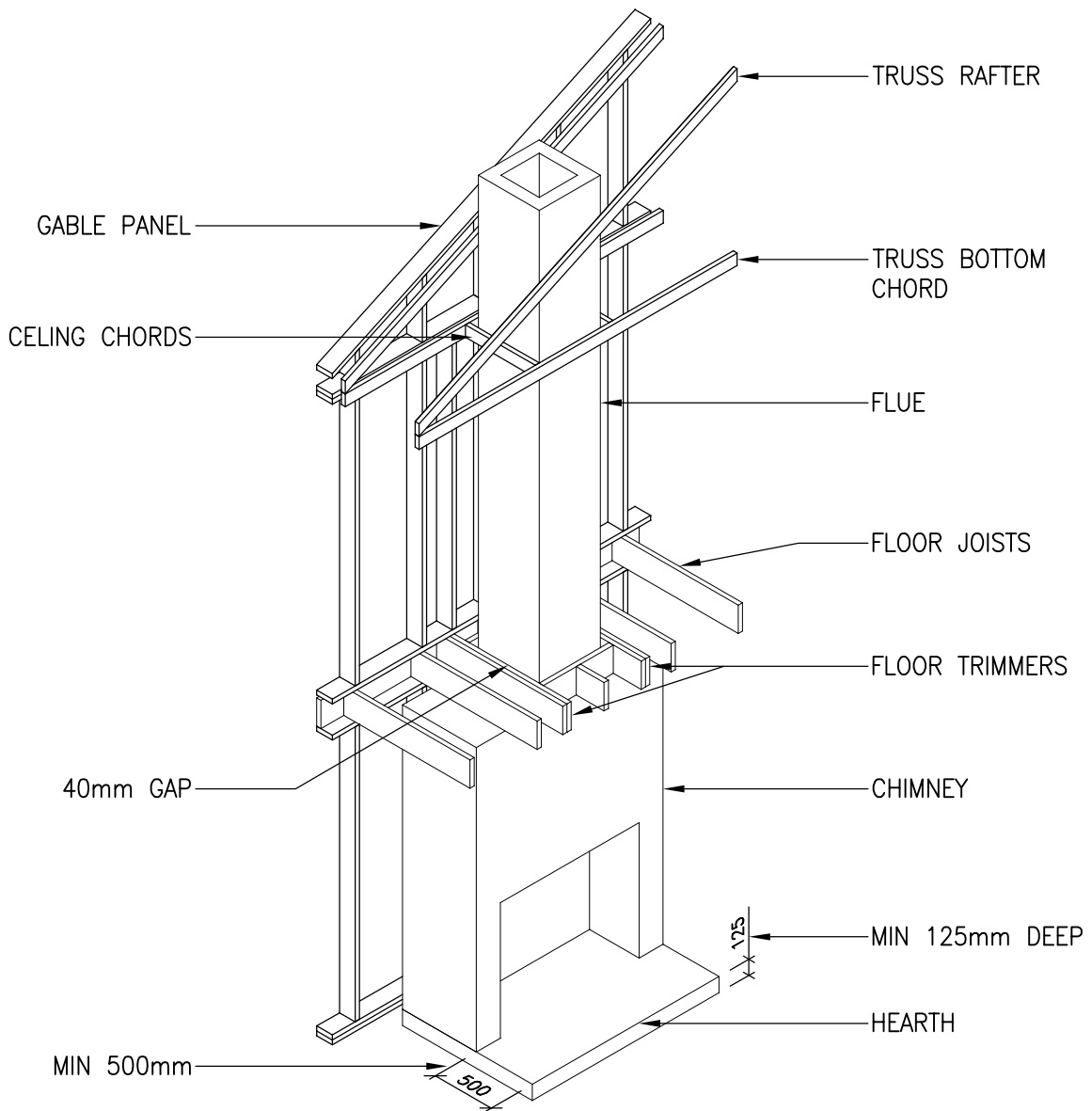
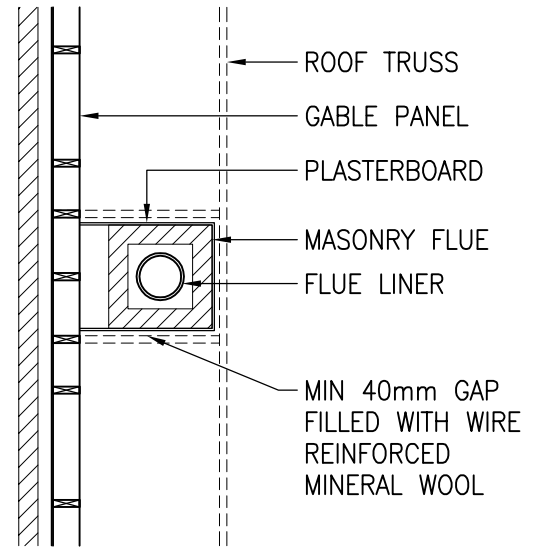


 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: SERVICES – CHIMNEY EXTERNAL		
	DRAWING No: 7.1	REVISION: –	SCALE: 1:40
	DRAWN BY: T.KNIGHT	DATE: JAN 08	

GROUND FLOOR



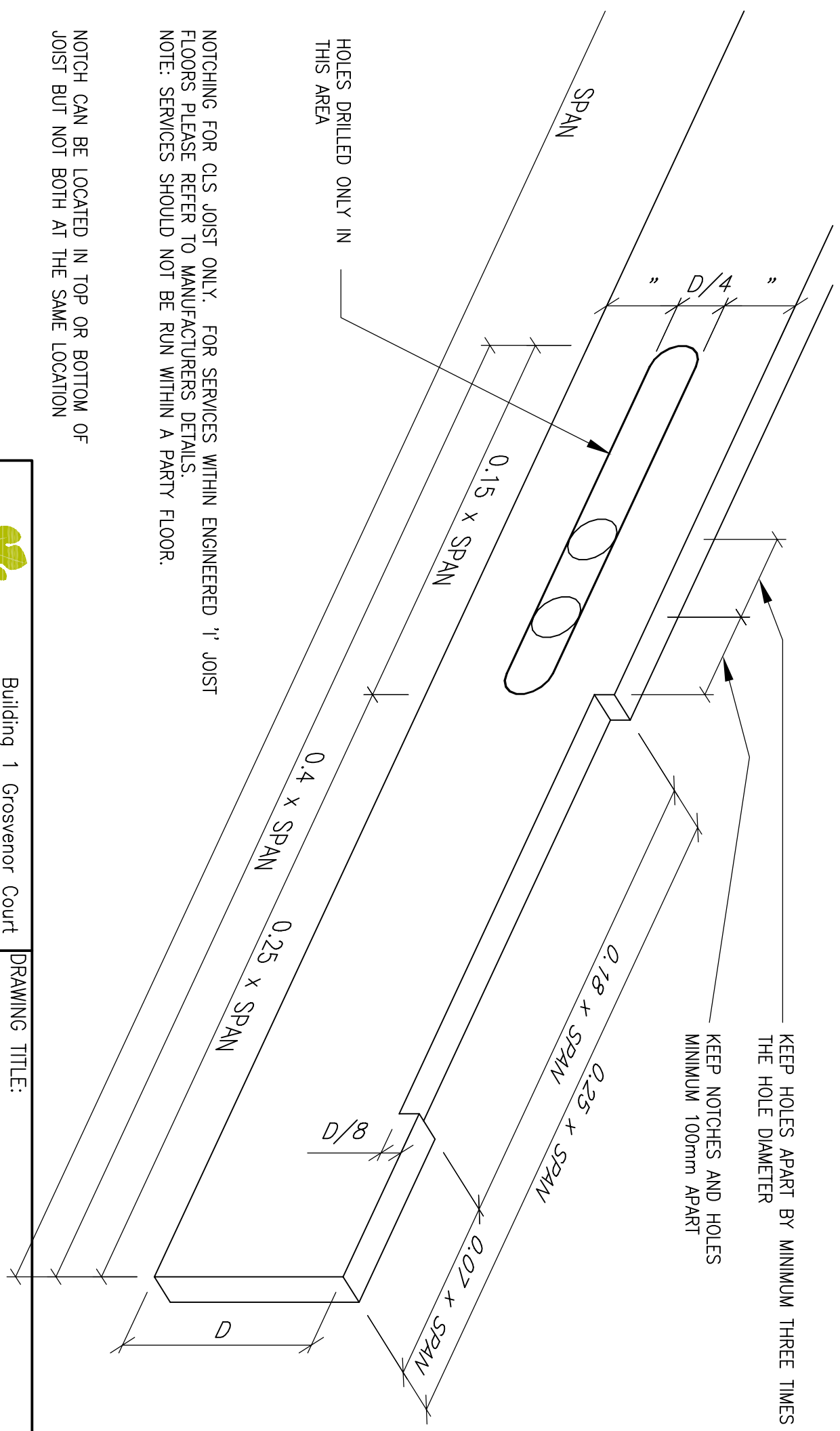
FIRST FLOOR




Building 1 Grosvenor Court
 Hipley Street
 Old Woking
 SURREY
 GU22 9LL

TEL: 01483 769518
 FAX: 01483 770863
 E-MAIL: design@silvatecdesign.com

DRAWING TITLE: SERVICES – CHIMNEY INTERNAL		
DRAWING No: 7.2	REVISION: –	SCALE: 1:40
DRAWN BY: T.KNIGHT	DATE: JAN 08	




HOLES DRILLED ONLY IN THIS AREA

NOTCHING FOR CLS JOIST ONLY. FOR SERVICES WITHIN ENGINEERED 'I' JOIST FLOORS PLEASE REFER TO MANUFACTURERS DETAILS.
NOTE: SERVICES SHOULD NOT BE RUN WITHIN A PARTY FLOOR.

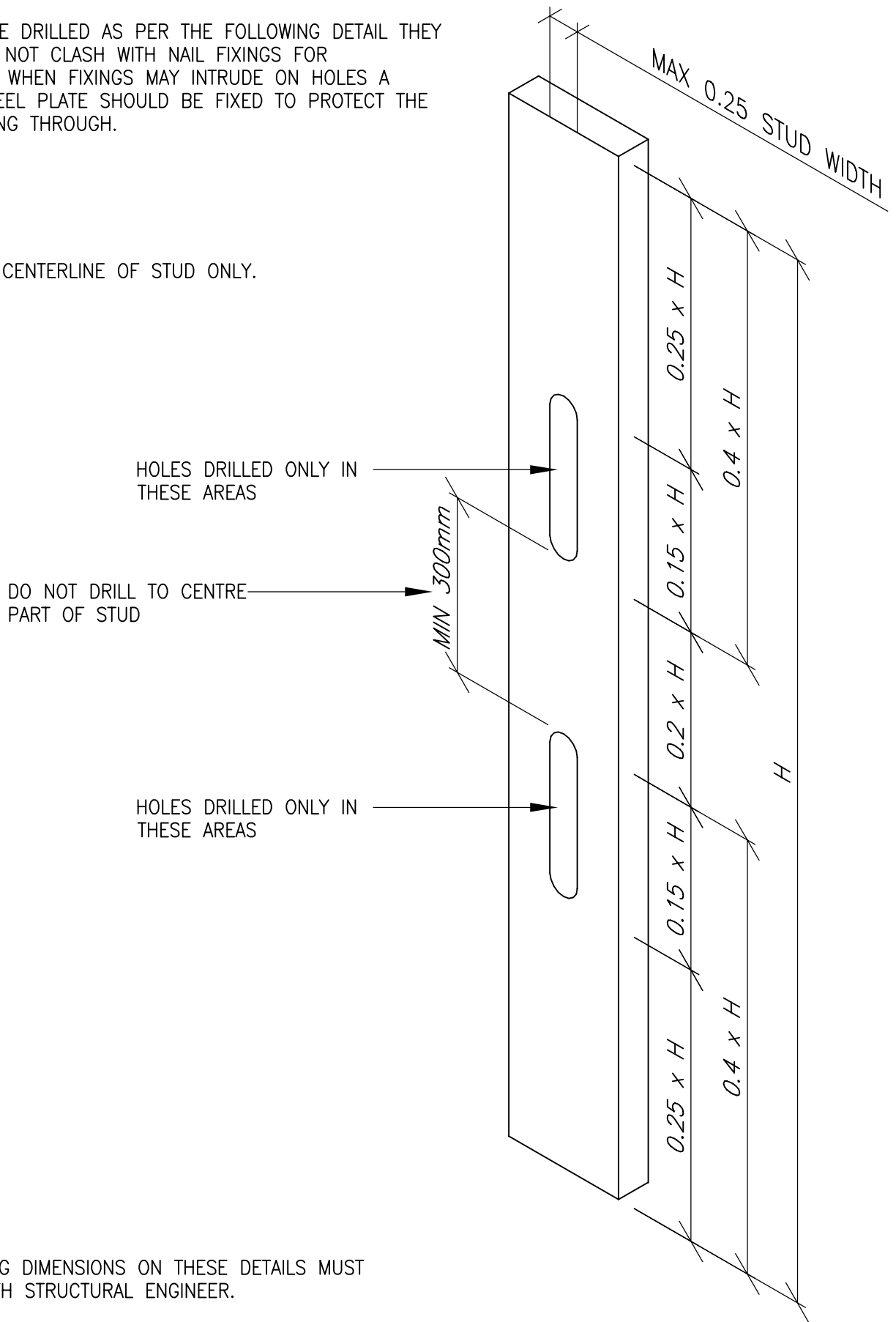
NOTCH CAN BE LOCATED IN TOP OR BOTTOM OF JOIST BUT NOT BOTH AT THE SAME LOCATION

HOLES EXCEEDING THESE DETAILS MUST BE CHECKED WITH STRUCTURAL ENGINEER. HOLES SHOULD BE AVOIDED WITHIN TRIMMERS AND SHOULD BE VERIFIED BEFORE DRILLING.


		Building 1 Grosvenor Court Hipley Street Old Woking SURREY GU22 9LL	
		DRAWING TITLE: SERVICES – NOTCHING AND DRILLING JOISTS	
TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com	DRAWING No: 7.3	REVISION: -	SCALE: 1:5
DRAWN BY: T.KNIGHT	DATE: JAN 08		

WHEN HOLES ARE DRILLED AS PER THE FOLLOWING DETAIL THEY WILL GENERALLY NOT CLASH WITH NAIL FIXINGS FOR PLASTERBOARD. WHEN FIXINGS MAY INTRUDE ON HOLES A PROPRIETARY STEEL PLATE SHOULD BE FIXED TO PROTECT THE SERVICES RUNNING THROUGH.

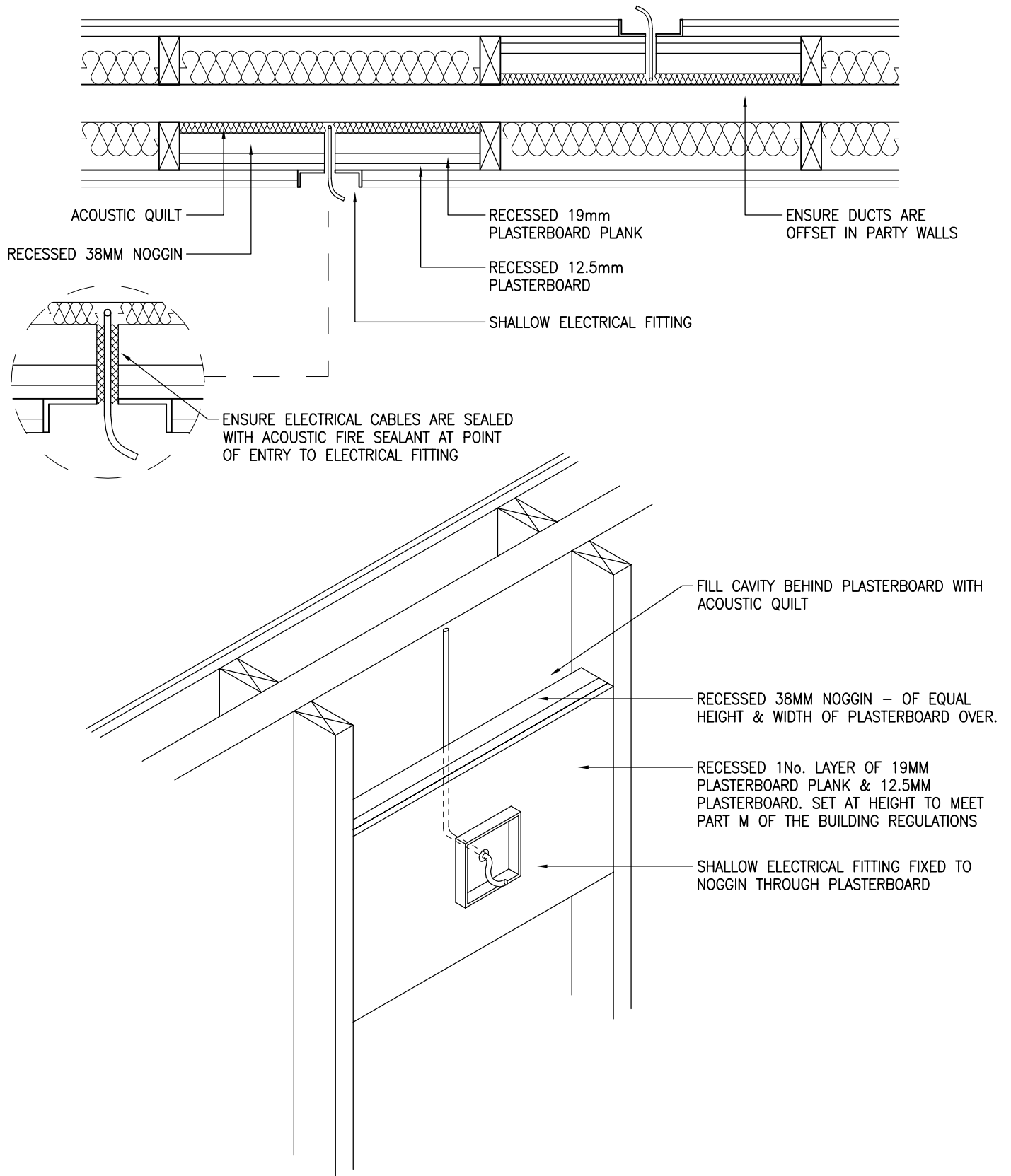
DRILL HOLES IN CENTERLINE OF STUD ONLY.




HOLES EXCEEDING DIMENSIONS ON THESE DETAILS MUST BE CHECKED WITH STRUCTURAL ENGINEER.

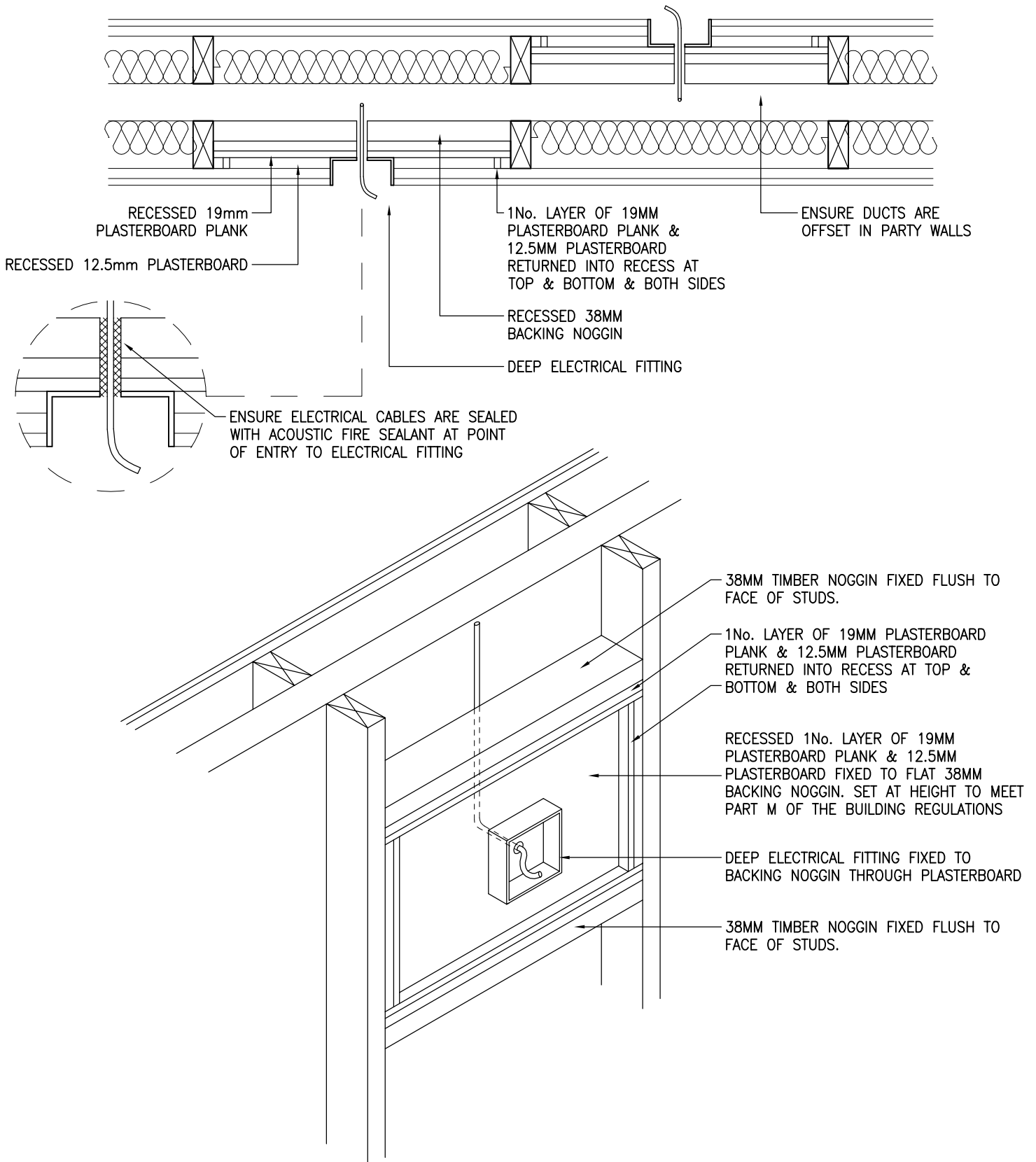
 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: SERVICES – NOTCHING AND DRILLING STUDS		
	DRAWING No: 7.4	REVISION: -	SCALE: 1:5
	DRAWN BY: T.KNIGHT	DATE: JAN 08	


SERVICES IN PARTY WALLS SHOULD BE AVOIDED IF POSSIBLE BUT SPECIAL CARE MUST BE TAKEN TO ENSURE INTEGRITY OF FIRE AND ACOUSTIC PERFORMANCE



 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: SERVICES – ELECTRICAL SOCKETS IN SEPARATING WALLS (SHALLOW FITTING)		
	DRAWING No: 7.5	REVISION: –	SCALE: 1:10
	DRAWN BY: T.ROBERTS	DATE: AUG 09	

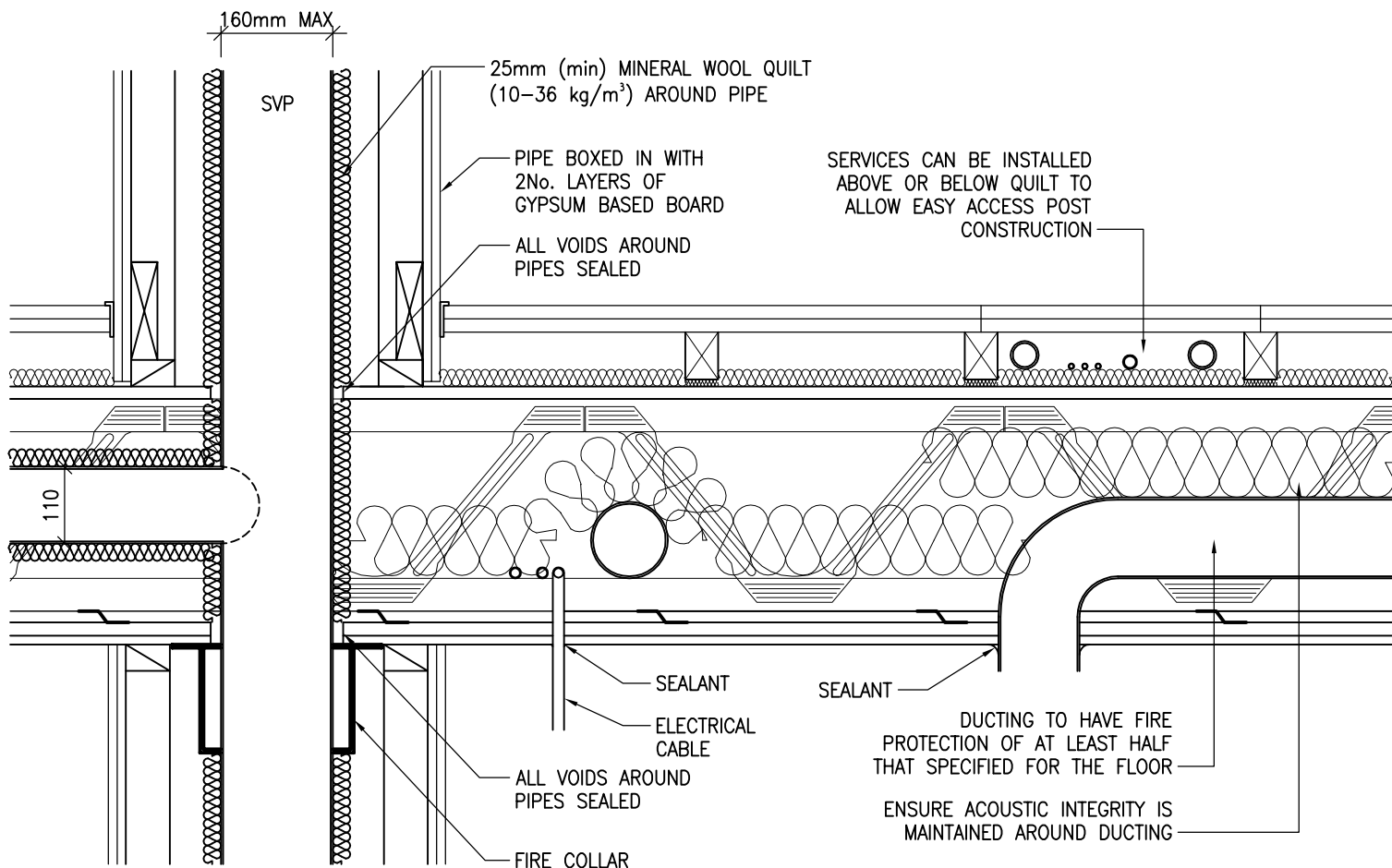
SERVICES IN PARTY WALLS SHOULD BE AVOIDED IF POSSIBLE BUT SPECIAL CARE MUST BE TAKEN TO ENSURE INTEGRITY OF FIRE AND ACOUSTIC PERFORMANCE



 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: SERVICES – ELECTRICAL SOCKETS IN SEPARATING WALLS (DEEP FITTING)		
	DRAWING No: 7.6	REVISION: –	SCALE: 1:10
	DRAWN BY: T.ROBERTS	DATE: AUG 09	

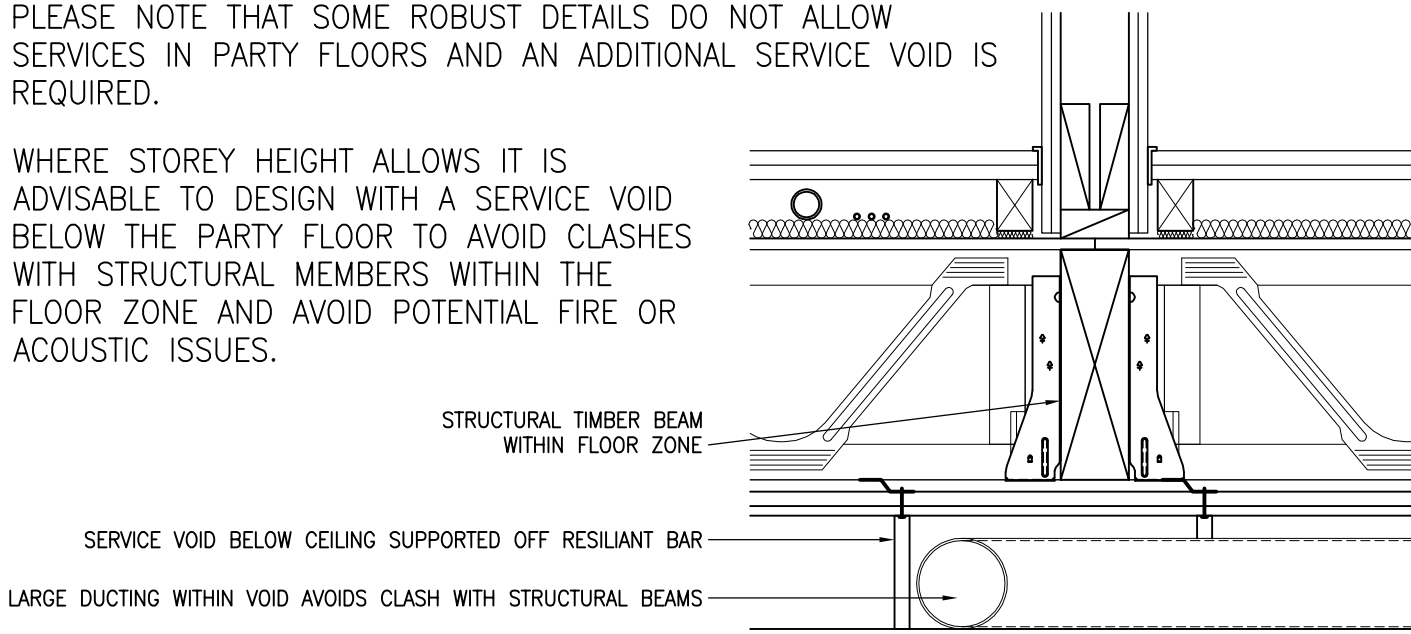
WHEN INSTALLING SERVICES IN PARTY FLOORS CARE MUST BE TAKEN TO MAINTAIN BOTH ACOUSTIC AND FIRE INTEGRITY OF THE FLOOR.


THE FOLLOWING DETAIL IS A GUIDE ONLY AND REFERENCE MUST BE MADE TO THE APPROVED DOCUMENT PART B FOR ALL FIRE ISSUES INCLUDING MAXIMUM PENETRATION SIZES.



PLEASE NOTE THAT SOME ROBUST DETAILS DO NOT ALLOW SERVICES IN PARTY FLOORS AND AN ADDITIONAL SERVICE VOID IS REQUIRED.

WHERE STOREY HEIGHT ALLOWS IT IS ADVISABLE TO DESIGN WITH A SERVICE VOID BELOW THE PARTY FLOOR TO AVOID CLASHES WITH STRUCTURAL MEMBERS WITHIN THE FLOOR ZONE AND AVOID POTENTIAL FIRE OR ACOUSTIC ISSUES.



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	DRAWING No: 7.7	REVISION: -	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: AUG 09	

ALL TIMBER FRAME WALLS MUST BE ERECTED PLUMB TO ENSURE A GOOD QUALITY BUILD, CLEAR CAVITIES ARE MAINTAINED AND ALL STUDS ARE AXIALLY LOADED TO AVOID INDUCED BENDING FROM ECCENTRICITY. TRADA (TIMBER RESEARCH AND DEVELOPMENT AGENCY) RECOMMEND A MINIMUM OF +/- 10mm OVER ANY STOREY WITH NO MORE THAN 10mm CUMMULATIVE OVER THE BUILDING HEIGHT.

STEP 1

PUSH PANEL PLUMB TIGHT TO STUD AND HOLD FIRM DURING FIXING PROCEDURE



STAPLE CORNERS OF PANEL PLUMB TO STUD

NAIL PANEL PLUMB TO STUD WITH 2No. SQUARE TWIST NAILS.

NOTE:
NOT REQUIRED IF ALL 4No. CORNERS ARE STAPLED

STAPLE CORNERS OF PANEL PLUMB TO STUD


STEP 2

ROTATE SETTING OUT ANGLE UNTIL IT BREAKS OFF CLEANLY

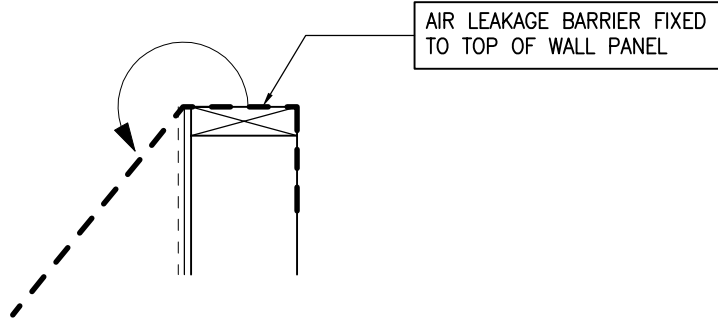
STEP 3

PANEL PLUMB FIXED TO STUD AND LEFT IN PLACE

PANEL PLUMB IS AVAILABLE FROM SILVATEC LEVELS ON THE CONTACT DETAILS BELOW.

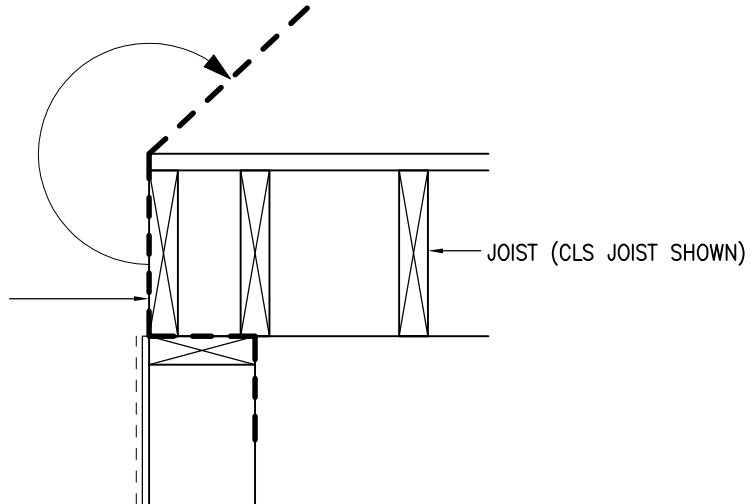
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	DRAWING No: 8.1	REVISION: A	SCALE: 1:10
	DRAWN BY: T.KNIGHT	DATE: MAR 08	

STEP 1

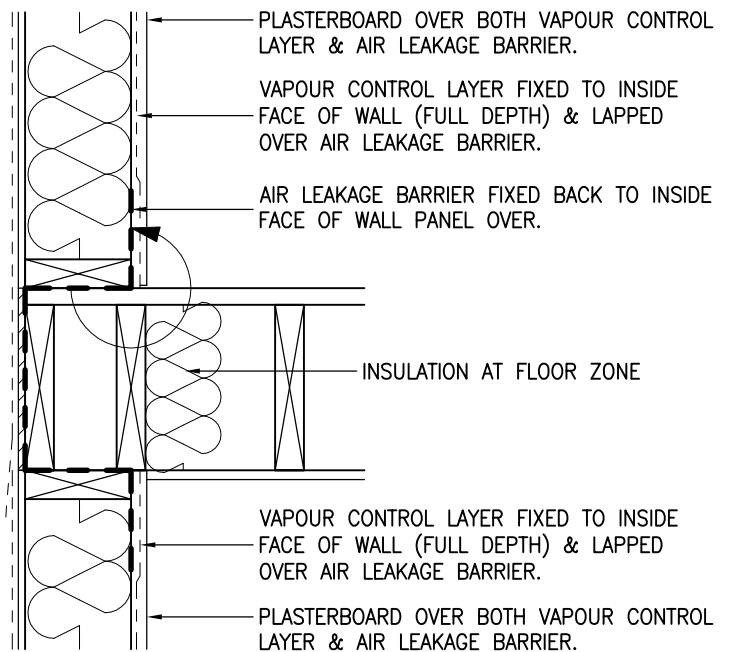


STEP 2


AIR LEAKAGE BARRIER FIXED TO OUTSIDE FACE OF HEADER & DRESSED OVER TOP OF DECK (AFTER INSTALLATION OF FLOOR).



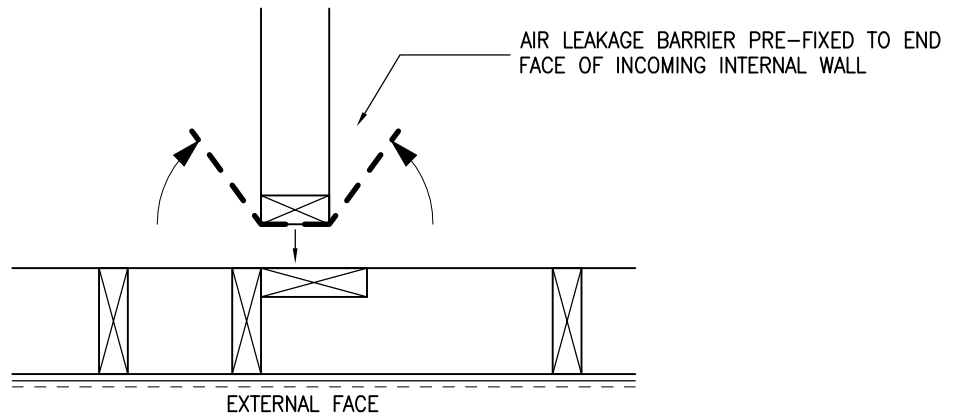
STEP 3



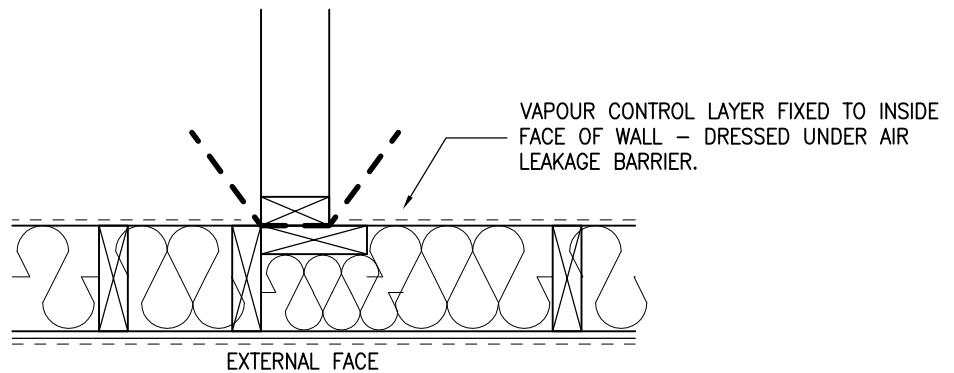
NOTE: DPC IS NOT ACCEPTABLE AS AIR LEAKAGE BARRIER AS THE MOISTURE WILL BE TRAPPED AGAINST THE TIMBERS IN THE FLOOR ZONE. CORRECT MATERIAL MUST BE USED TO ENABLE MOISTURE TO ESCAPE BUT TRAP THE AIR MOLECULES.

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	DRAWING No: 9.1	REVISION: A	SCALE: 1:10
	DRAWN BY: T.ROBERTS	DATE: NOV 08	

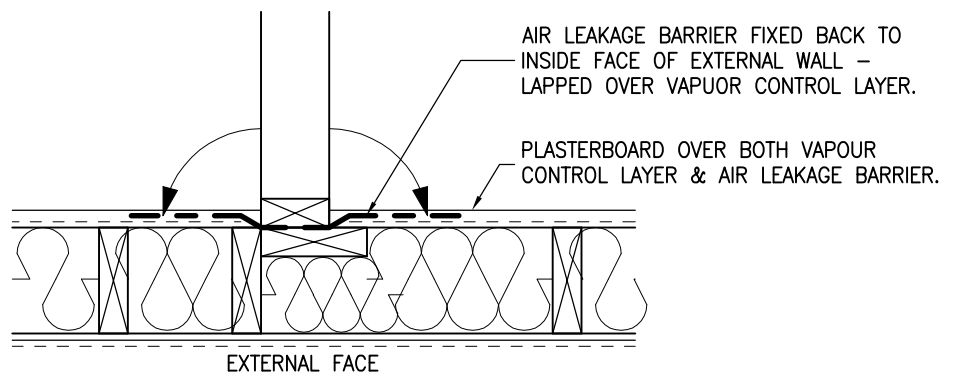
STEP 1




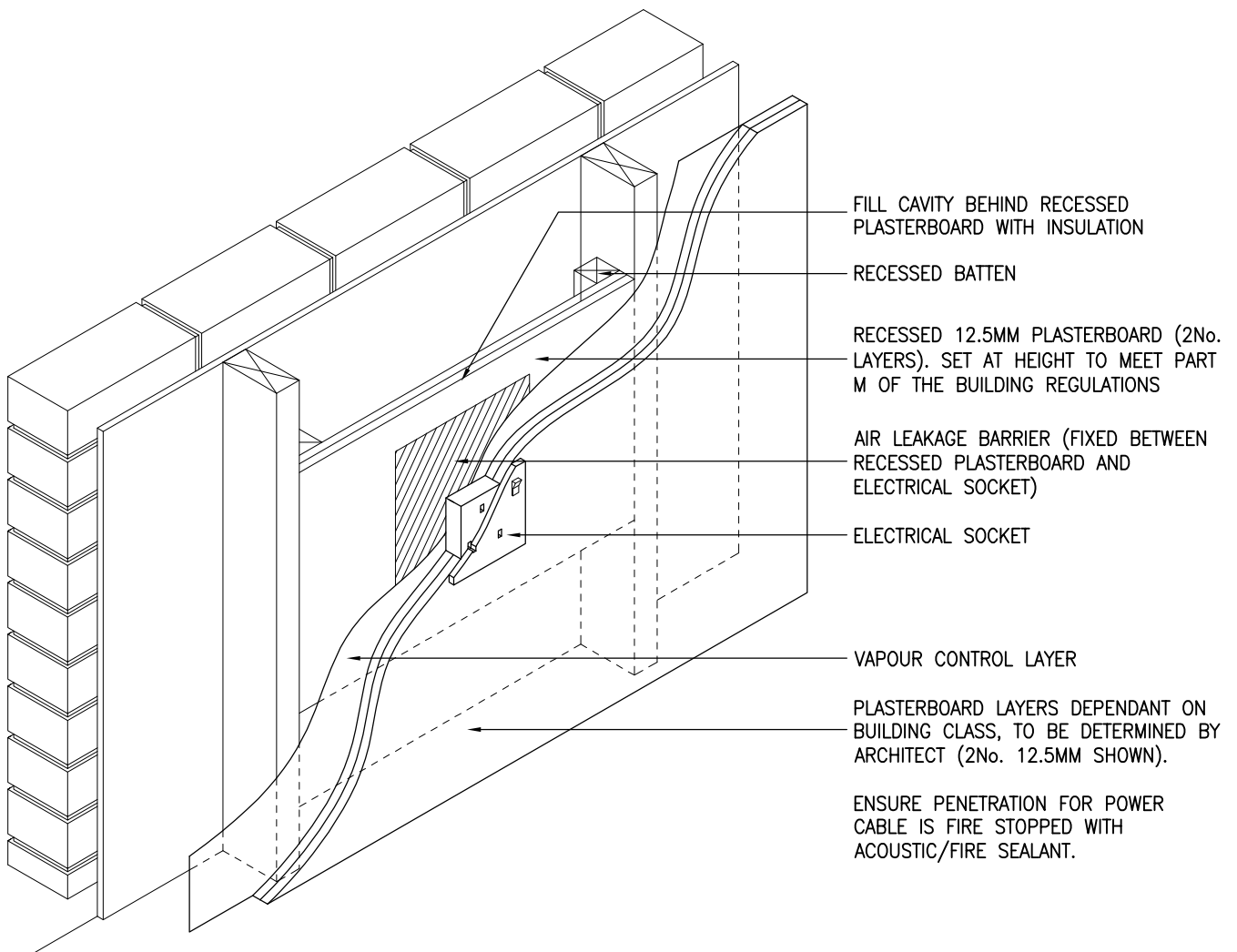
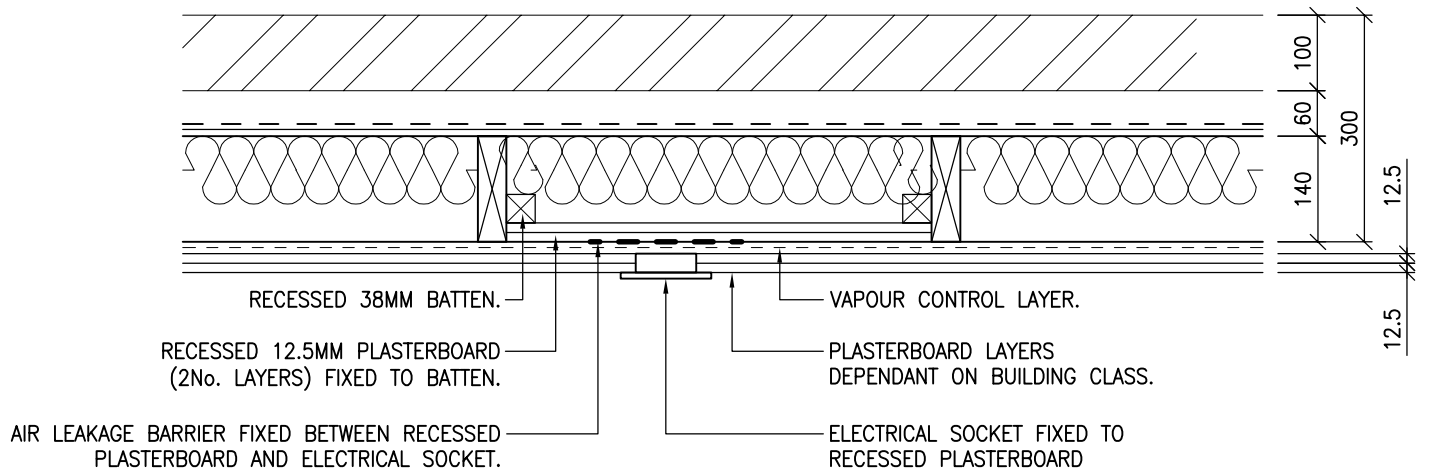
STEP 2




STEP 3



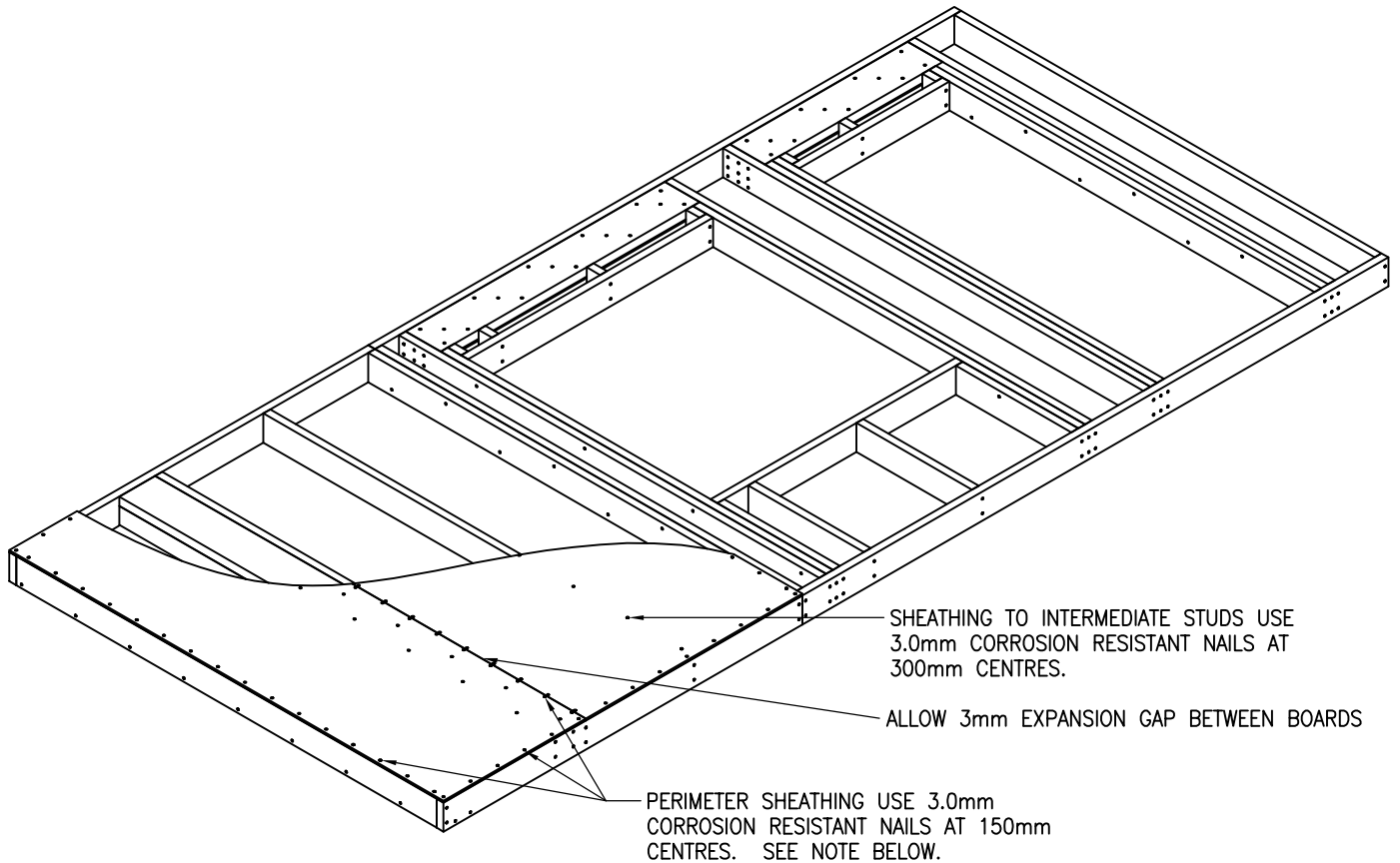
 <p>Building 1 Grosvenor Court Hiple Street Old Woking SURREY GU22 9LL</p> <p>TEL: 01483 769518 FAX: 01483 770863 E-MAIL: design@silvatecdesign.com</p>	DRAWING TITLE: AIR LEAKAGE – INTERNAL TO EXTERNAL WALL JUNCTION		
	DRAWING No: 9.2	REVISION: –	SCALE: 1:10
	DRAWN BY: T.ROBERTS	DATE: NOV 08	



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	DRAWING No: 9.3	REVISION: –	SCALE: 1:10
	DRAWN BY: T.ROBERTS	DATE: DEC 08	

LINTOLS :

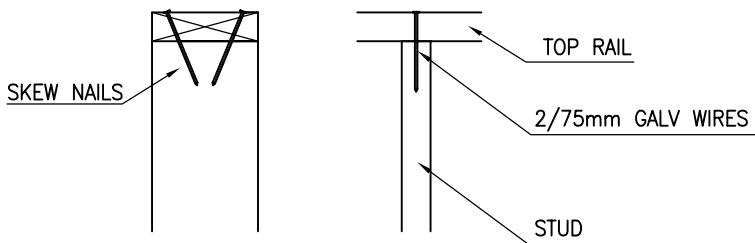
- LEAVES OF LINTOLS SHOULD BE NAILED TOGETHER WITH TWO STAGGERED ROWS FOR 90mm AND 140mm LINTOLS AND THREE ROWS FOR 194mm AND 235mm LINTOLS.
- ALL LINTOLS COMPRISING TWO 38mm THICK LEAVES ARE TO HAVE 9mm OSB SANDWITCH.
- EACH LEAF OF THE LINTOL IS TO BE NAILED TO THE ADJACENT FULL HEIGHT STUD WITH : TWO NAILS FOR 90mm, THREE NAILS FOR 140mm, FOUR NAILS FOR 194 AND 235.
- IN ADDITION NAIL LEAVES THROUGH TOP RAIL AT 300mm CENTRES.



THE SHEATHING NAILING PATTERN SHOWN ABOVE IS THE STANDARD REQUIREMENT FOR THE BASIS OF THE RACKING CALCULATIONS AS PER BRITISH STANDARD BS5268-6. IT IS NOT UNCOMMON FOR MANUFACTURERS TO DEVIATE FROM THE STANDARD NAIL DIAMETER AND THIS DEVIATION MUST BE ALLOWED FOR WITHIN THE RACKING CALCULATIONS. THE NAILS CAN RANGE BETWEEN 2.55mm AND 3.75mm AS PER THE BRITISH STANDARDS AND EACH SMALL CHANGE CAN HAVE A SIGNIFICANT EFFECT ON THE CALCULATIONS. IT IS ALSO NOT UNCOMMON FOR NAIL CENTRES TO BE DECREASED AND NAIL DIAMETERS INCREASED WITHIN THE RACKING CALCULATIONS TO PROVIDE THE NECESSARY RESISTANCE TO THE WIND. IT IS THEREFORE IMPERATIVE THAT NAIL DIAMETERS AND CENTRES ARE MARKED ON THE MANUFACTURING DRAWINGS FOR EACH PANEL.

IF A WALL PANEL IS ISSUED FOR PRODUCTION WITHOUT A SHEATHING NAILING SPECIFICATION THEN THE PRODUCTION MANAGER MUST CHECK WITH THE TIMBER FRAME DESIGNER TO CONFIRM DIAMETERS AND CENTRES.

NAILING SPECIFICATION FOR TOP AND BOTTOM RAILS TO STUDS



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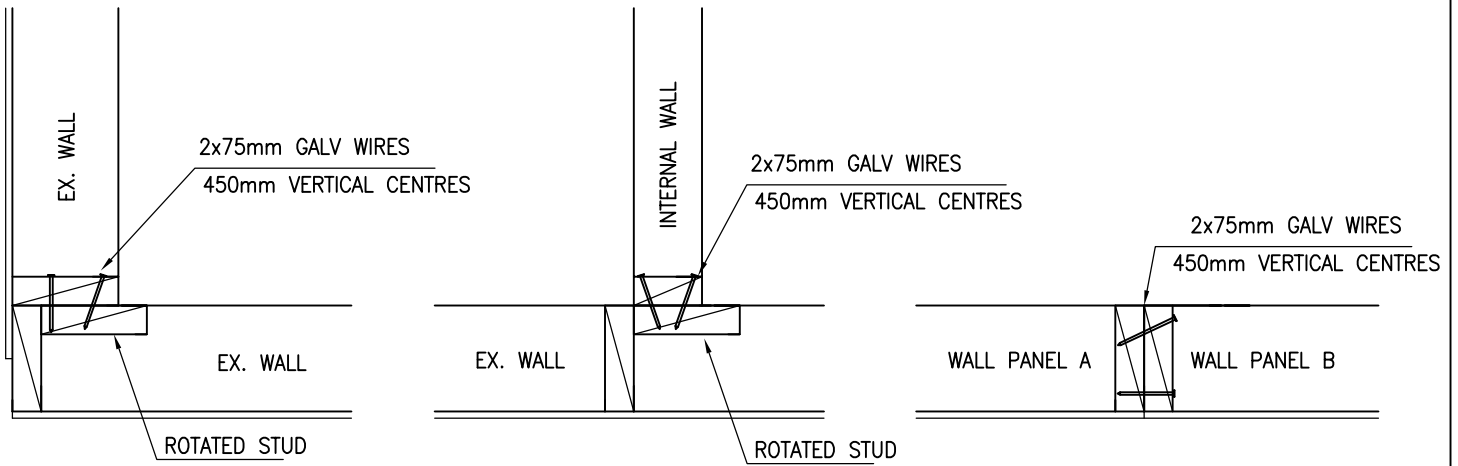
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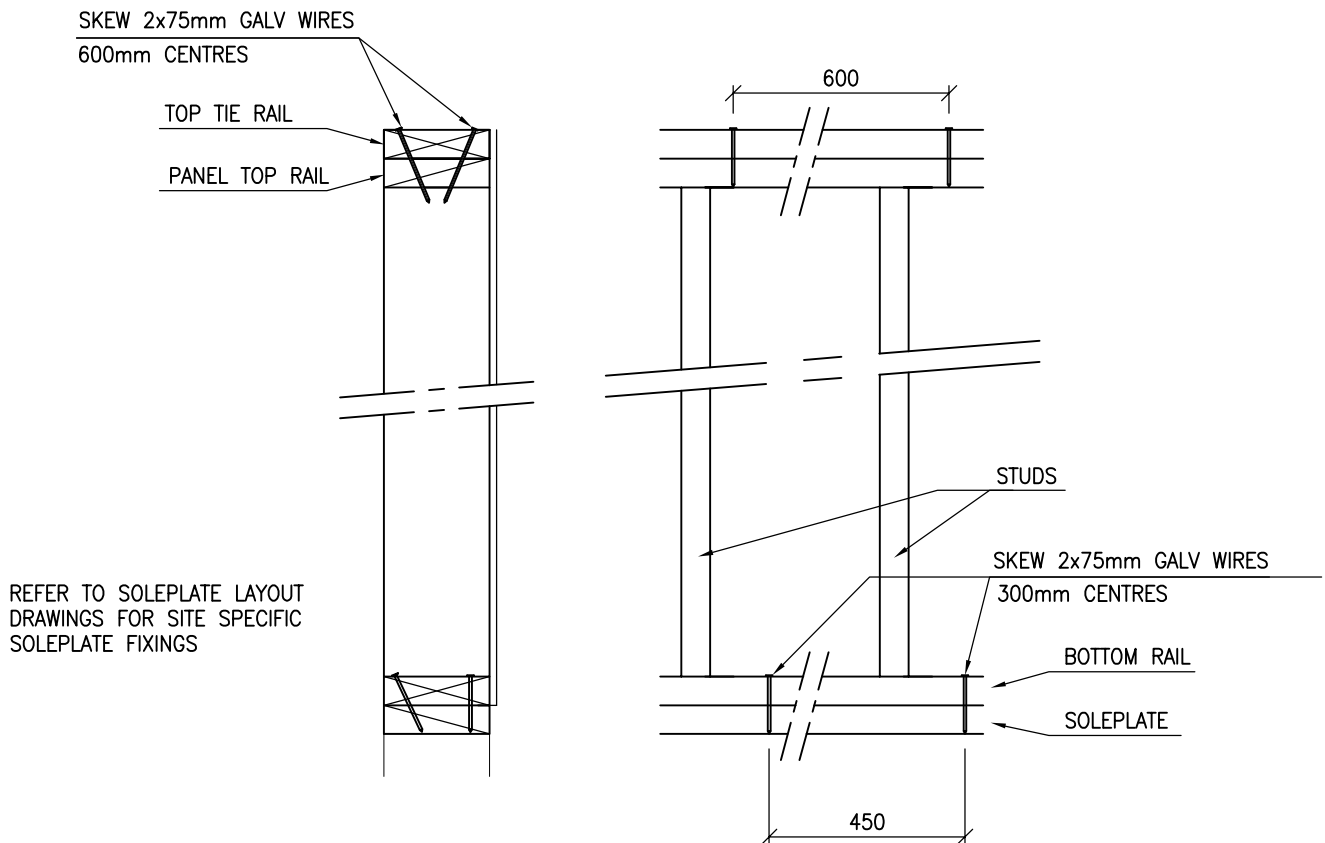
DRAWING TITLE:
 NAILING DETAILS –
 WALL PANEL ASSEMBLY

DRAWING No: 10.1	REVISION: –	SCALE: NTS
DRAWN BY: M.SINGLIAR	DATE: DEC 08	

NAILING SPECIFICATION BETWEEN PARTICULAR PANELS



NAILING SPECIFICATION FOR PANEL-SOLEPLATE AND PANEL-TOP TIE RAIL



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DRAWING TITLE:
NAILING DETAILS -
WALL PANEL CONNECTIONS

DRAWING No:
10.2

REVISION:
-

SCALE:
1:20

DRAWN BY:
M.SINGLIAR

DATE:
DEC 08

DECKING

ENSURE ALL SQUARE EDGE OF BOARDS ARE FULLY SUPPORTED ON JOISTS OR ALTERNATIVELY ON NOGGINGS BETWEEN JOISTS. TONGUE AND GROOVED EDGES CAN BE UNSUPPORTED WHEN THEY RUN PERPENDICULAR TO THE JOISTS. ALL BOARDS SHOULD BE LAID WITH THE ENDS STAGGERED. ALL TONGUED AND GROOVED JOINTS SHOULD BE GLUED WITH PVAC OR SIMILAR. REFER TO MANUFACTURERS SPECIFICATION FOR INTERMEDIATE EXPANSION GAPS BETWEEN BOARDS DEPENDING ON THE BOARD TYPE USED.

TONGUE AND GROOVE EDGES FULLY GLUED AND UNSUPPORTED WHEN PERPENDICULAR TO JOISTS. IF SQUARE EDGE BOARDS USED THEN THESE MUST BE SUPPORTED ON NOGGINGS

FIX AT 150mm CENTRES TO BOARD PERIMETERS

FIX AT 300mm TO INTERMEDIATE SUPPORTS

JOINTS STAGGERED

CHECK MANUFACTURERS REQUIREMENTS FOR EXPANSION GAPS DEPENDING ON BOARD TYPE USED

FIXING

ALL TONGUE AND GROOVE BOARDS SHOULD BE GLUED WITH A POLYVINYL ACETATE (PVAC) OR SIMILAR DIRECTLY TO THE JOIST. PLY OR OSB BOARDS CAN BE FIXED WITH 3.0mm ANNULAR RINGSHANK NAILS AT 150mm CENTRES TO THE BOARD PERIMETERS AND 300mm CENTRES TO THE INTERMEDIATE SUPPORTS. NAILS MUST BE 2.5 TIMES THE BOARD THICKNESS AND NAILED AT A MINIMUM OF 8mm FROM THE BOARD EDGE. CHIPBOARD BOARDS CAN BE FIXED WITH NAILS AS ABOVE BUT IT IS RECOMMENDED THAT THEY ARE SCREWED TO PREVENT SQUEAKING AT A LATER DATE. FIX AT 150mm CENTRES TO THE PERIMETER AND 300mm CENTRES TO INTERMEDIATE SUPPORTS WITH MINIMUM SIZE No.8 SCREWS.

INSTALL SOLID BLOCKINGS OVER LOADBEARING WALLS

ALL HANGERS MUST BE FULLY NAILED WITH 3.75mm NAILS

MULTIPLE TIMBERS ACTING AS A SINGLE TRIMMER MUST BE FIXED TOGETHER ACCORDING TO THE MANUFACTURERS REQUIREMENTS

WHEN A SOLID TIMBER FLOOR IS OVER 2.5M THEN RESTRAINT STRUTTING OR FULL DEPTH NOGGINGS ARE REQUIRED. OVER 4.5M 2No. ROWS ARE REQUIRED AT EQUAL SPACING.



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DRAWING TITLE:
NAILING DETAILS –
FLOOR ASSEMBLY

DRAWING No:
10.3

REVISION:
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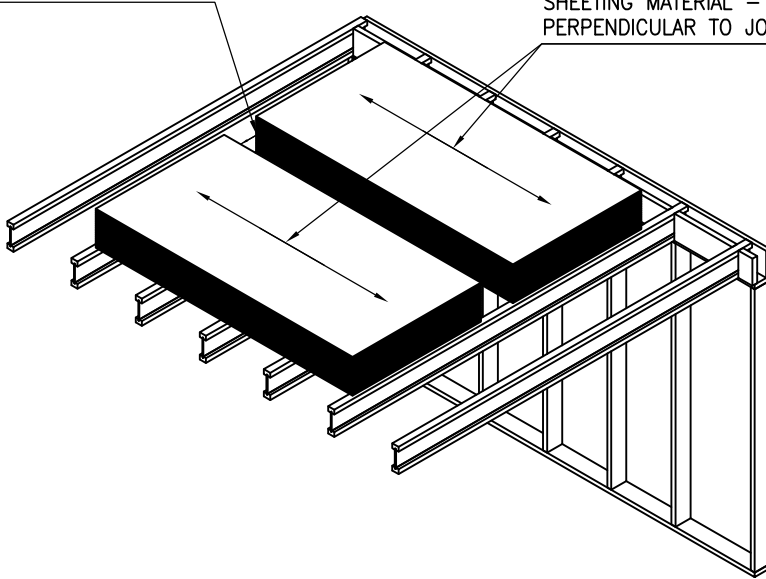
SCALE:
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DATE:
DEC 08

GAP (MIN.300mm) BETWEEN STACKS REQUIRED FOR SHEET HANDLING.

SHEETING MATERIAL – STORED PERPENDICULAR TO JOIST DIRECTION

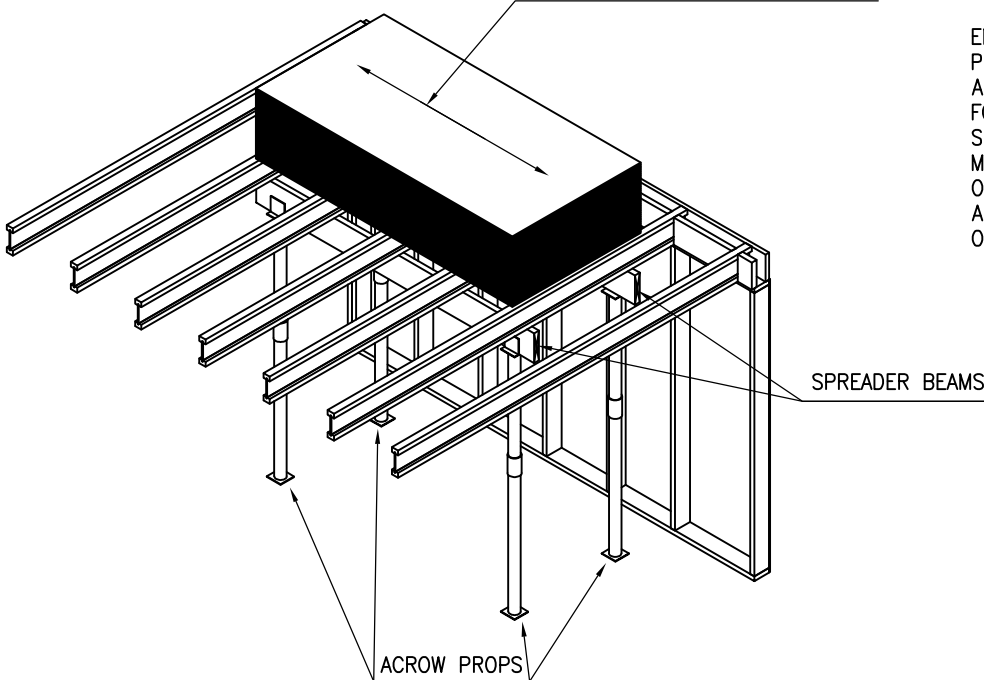


STANDARD STORAGE

PERMISSIBLE QUANTITY OF SHEETS	
MATERIAL	MAX. NO OF SHEETS
CHIPBOARD (22mm)	9
OSB/PLY (9mm)	25
OSB (15mm)	15
PLY WBP (19mm)	12
PLASTERBOARD (12.5mm)	15
PLASTERBOARD (15mm)	12
PLASTERBOARD (19mm)	9

NOTE: DON'T EXCEED PERMISSIBLE QUANTITY OF SHEETS PER ONE STACK. PERMISSIBLE QUANTITY OF CHOSEN MATERIALS ARE SHOWN IN TABLE ABOVE.

SHEETING MATERIAL – STORED PERPENDICULAR TO JOIST DIRECTION



SUPPORTED STORAGE

ENSURE THAT THE FLOOR IS SECURELY PROPPED PRIOR TO LOADING THE FLOOR WITH ANY LOAD GREATER THAN SPECIFIED IN TABLE. FOR TYPICAL JOIST PROPPING ARRANGEMENT SEE SKETCH – SUPPORTED STORAGE. ON MULTIPLE FLOOR BUILDINGS, PROPS WILL OBVIOUSLY HAVE TO BE CONTINUED THROUGH ALL SUBSEQUENT FLOORS DOWN TO THE OVERSITE.



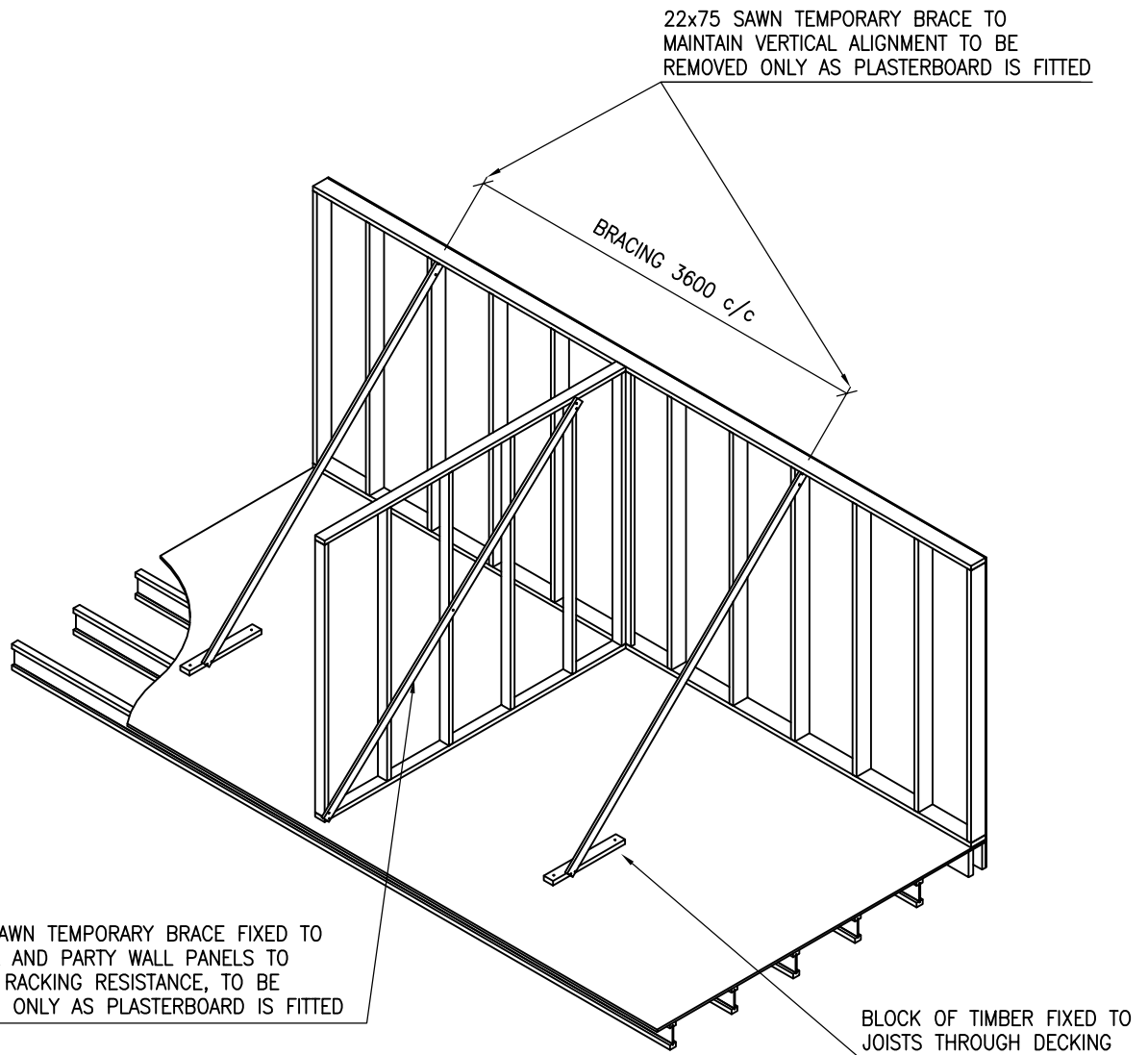
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DRAWING TITLE:
SHEET MATERIAL ON JOISTS

DRAWING No: 10.4	REVISION: -	SCALE: 1:50
DRAWN BY: M.SINGLIAR	DATE: JULY 09	



22x75 SAWN TEMPORARY BRACE TO MAINTAIN VERTICAL ALIGNMENT TO BE REMOVED ONLY AS PLASTERBOARD IS FITTED

BRACING 3600 c/c

22x75 SAWN TEMPORARY BRACE FIXED TO INTERNAL AND PARTY WALL PANELS TO PROVIDE RACKING RESISTANCE, TO BE REMOVED ONLY AS PLASTERBOARD IS FITTED

BLOCK OF TIMBER FIXED TO JOISTS THROUGH DECKING



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DRAWING TITLE:
TEMPORARY BRACING

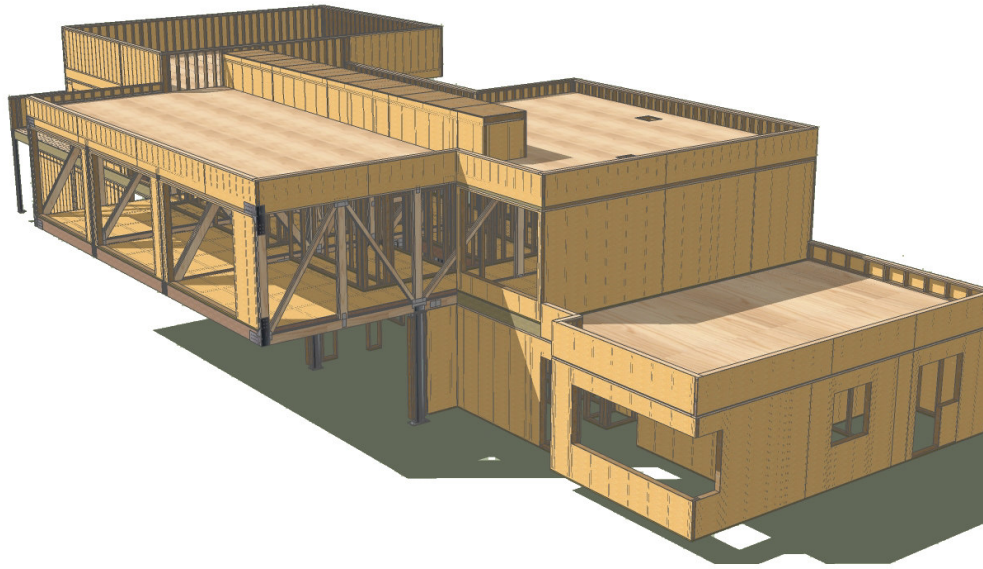
DRAWING No:
10.5

REVISION:
-

SCALE:
NTS

DRAWN BY:
M.SINGLIAR

DATE:
JULY 09



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Silvatec Levels Ltd
Suppliers of Panel Plumb

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