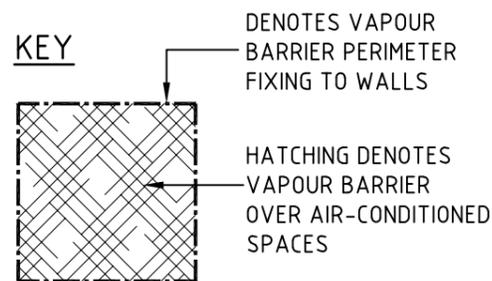


**TYPICAL CEILING PLAN**



**DESIGN INTENT:**

THE INTENDED PURPOSE OF THE VAPOUR BARRIER - GENERIC DETAILS ARE TO PROVIDE A GUIDE FOR DESIGNERS, CONSTRUCTION AND PROJECT MANAGERS TO ENSURE THE DESIGN AND INSTALLATION OF VAPOUR BARRIERS COMPLIES WITH THE REQUIRED PERFORMANCE CRITERIA OF VAPOUR BARRIERS FOR NORTHERN TERRITORY GOVERNMENT BUILDINGS IN ZONE 1 CLIMATES.

IN THE NORTHERN TERRITORY ZONE 1 CONSISTS GENERALLY OF ALL AREAS NORTH OF THE 18° PARALLEL. REFER TO THE NCC (BCA): CLIMATE ZONES FOR THERMAL DESIGN - FIGURE A1.1 IN VOLUME 1.

AIR CONDITIONED BUILDINGS IN ZONE 1 (TROPICAL) CLIMATES ARE REQUIRED TO HAVE AN EFFECTIVE VAPOUR BARRIER ON THE HOT SIDES OF A STRUCTURE (EXTERNAL OR INTERNAL UNCONDITIONED SPACES) TO PREVENT VAPOUR AND OUTSIDE AIR TRANSMISSION INTO COLD SIDES OF BUILDINGS (INTERNAL AIR-CONDITIONED SPACES) RESULTING IN THE FORMING OF CONDENSATION ON THE COOLER SURFACES. CONDENSATION OF THIS NATURE IS KNOWN TO HAVE CAUSED EXTENSIVE ROOFING AND CEILING FAILURES IN NORTHERN TERRITORY GOVERNMENT BUILDINGS.

**GENERAL REQUIREMENTS:**

**1. MATERIALS AND INSTALLATION:**

**LAYER 1 - SAFETY MESH - 300mm x 150mm GRID OF 2mm DIAMETER GALVANISED WIRE.**  
INSTALL SAFETY MESH TO UNDERSIDE OF ROOF INSULATION / VAPOUR BARRIER IN ACCORDANCE WITH AS/NZS4389 AND THE RELEVANT WORK HEALTH & SAFETY REGULATIONS.

**LAYER 2 - GLASS WOOL ROOF INSULATION: R1.8 RATED (NOM. 80mm THICK) INSULATION BLANKET WITH BONDED PERFORATED REFLECTIVE FOIL LAMINATE FACING - PROPRIETARY ITEM: BRADFORD ANTICON BLANKET WITH BONDED PERFORATED FACING OR EQUAL ALTERNATIVE. FLETCHER PERMASTOP WITH BONDED REFLECTIVE FOIL.**  
LAY GLASS WOOL INSULATION BLANKETS, BONDED FACE DOWN, CONTINUOUSLY OVER THE TOP OF THE PURLINS AND THE SAFETY MESH.

**LAYER 3 - VAPOUR BARRIER - PROPRIETARY ITEM: BRADFORD THERMOFOIL 753 HEAVY DUTY & HIGH CLASSIFICATION OR EQUAL ALTERNATIVE.**  
LAY VAPOUR BARRIER PARALLEL TO ROOF PURLINS. LAP VAPOUR BARRIER OVER ROOF PURLINS, MINIMUM 150mm, AND FULLY SEAL LAPS WITH APPROVED TAPE AND ELASTOMERIC SEALANT, BRING VAPOUR BARRIER TO EXTERNAL WALLS (HOT SIDE) AND FASTEN.  
IN FRAMED WALL CONSTRUCTION ENSURE THE FOIL OF THE ROOF VAPOUR BARRIER IS LAPPED AND SEALED OVER THE WALL VAPOUR BARRIER / INSULATION, LAP AND SEAL JOINTS IN WALL VAPOUR BARRIER AS PER ROOF VAPOUR BARRIER.  
IN TIMBER DECKED FLOOR CONSTRUCTION INSTALL VAPOUR BARRIER OVER JOISTS, ENSURE THE FOIL OF THE FLOOR VAPOUR BARRIER IS LAPPED AND SEALED OVER THE WALL VAPOUR BARRIER / INSULATION LAP AND SEAL JOINTS IN FLOOR VAPOUR BARRIER AS PER ROOF VAPOUR BARRIER.

**LAYER 4 - SARKING REFLECTIVE FOIL LAMINATE (TYPICAL).**  
LAY SARKING OVER EAVES, VERANDAHS AND NON AIR-CONDITIONED INTERNAL SPACES.  
LAP SARKING WITH VAPOUR BARRIER AND FULLY SEAL, TERMINATE OTHER END TO ROOF OVERHANG.

**LAYER 5 - GLASS WOOL WALL INSULATION: R2.0 RATED INSULATION BATTS FITTED TIGHTLY BETWEEN FRAMING MEMBERS.**

**2. VAPOUR BARRIER PENETRATIONS:**

ALL PENETRATIONS THROUGH THE VAPOUR BARRIER TO BE FULLY SEALED AND MECHANICALLY FIXED.

**3. VAPOUR BARRIER TERMINATIONS:**

ALL VAPOUR BARRIER TERMINATIONS TO WALLS TO BE ON THE 'HOT SIDE' OF THE STRUCTURE - BRING TO HOT SIDE OF WALL AND FASTEN (FOR BOTH EXTERNAL OR INTERNAL NON AIR-CONDITIONED SPACES). TERMINATIONS TO BE FULLY SEALED AND MECHANICALLY FIXED.

**4. INSULATION UNDERLAY:**

WHERE ROOF INSULATION IS SUPPLIED WITHOUT A BONDED FACING - A SEPARATE PERFORATED (PERMEABLE) UNDERLAY TO BE PROVIDED TO UNDERSIDE OF THE ROOF INSULATION. FIX UNDERLAY SECURELY OVER SAFETY MESH TO PREVENT MOVEMENT. PROPRIETARY ITEM: BRADFORD THERMOSEAL PERFORATED HEAVY DUTY FOIL OR EQUAL ALTERNATIVE. FLETCHER INSULATION WITH PERFORATED REFLECTIVE FOIL.

**IMPORTANT NOTE:**

DETAILS AS SHOWN ARE GENERIC AND ARE INTENDED TO BE USED AS A GUIDE ONLY - REFER DESIGN INTENT ON THIS DRAWING.  
DESIGN CONSULTANTS TO ADAPT DETAILS TO SUIT EACH PROJECT AS REQUIRED.

DRAWN	SG	CHECKED	-
DATE	NOV. 2016	DATE	-
DESIGNED	SG	CHECKED	-
DATE	NOV. 2016	DATE	-
DESIGN PROJECT LEADER	-	NTG PROJECT MANAGER	MT
DATE	-	DATE	-



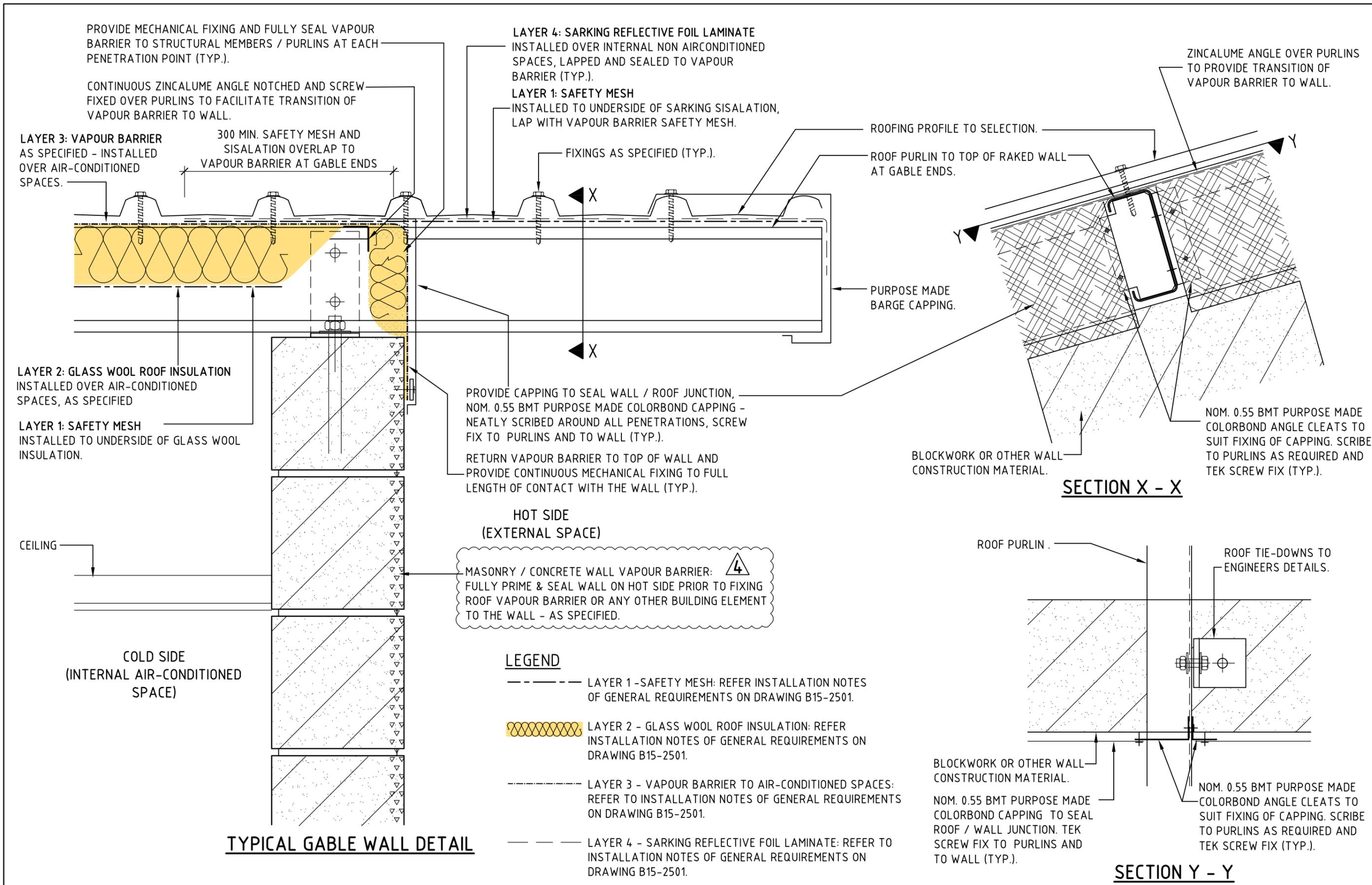
DARWIN - VARIOUS REGIONS  
VAPOUR BARRIERS - GENERIC DETAILS

**TYPICAL CEILING PLAN AND NOTES**

No.	DESCRIPTION	DATE	INIT.	DEPT./COMPANY.
2	REVISED ISSUE	20-11-16	SG	DIPL
1	1st ISSUE	03-03-15	KMB	DoI

NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT	SHEET SIZE
		1 OF 1	B15-2501	2	A3





**TYPICAL GABLE WALL DETAIL**

**SECTION Y - Y**

No.	DESCRIPTION	DATE	INIT.	DEPT./COMPANY.
4	MASONRY WALL VAPOUR BARRIER NOTE AMENDED	25-01-18	SG	DIPL
3	WALL NOTE EDITED FOR CLARITY	03-07-17	SG	DIPL
2	REVISED ISSUE	20-11-16	SG	DIPL
1	1st ISSUE	03-03-15	KMB	DoI
AMENDMENTS				

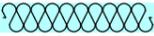
**IMPORTANT NOTE:**  
 DETAILS AS SHOWN ARE GENERIC AND ARE INTENDED TO BE USED AS A GUIDE ONLY - REFER DESIGN INTENT ON DRAWING No: B15-2501.  
 DESIGN CONSULTANTS TO ADAPT DETAILS TO SUIT EACH PROJECT AS REQUIRED.

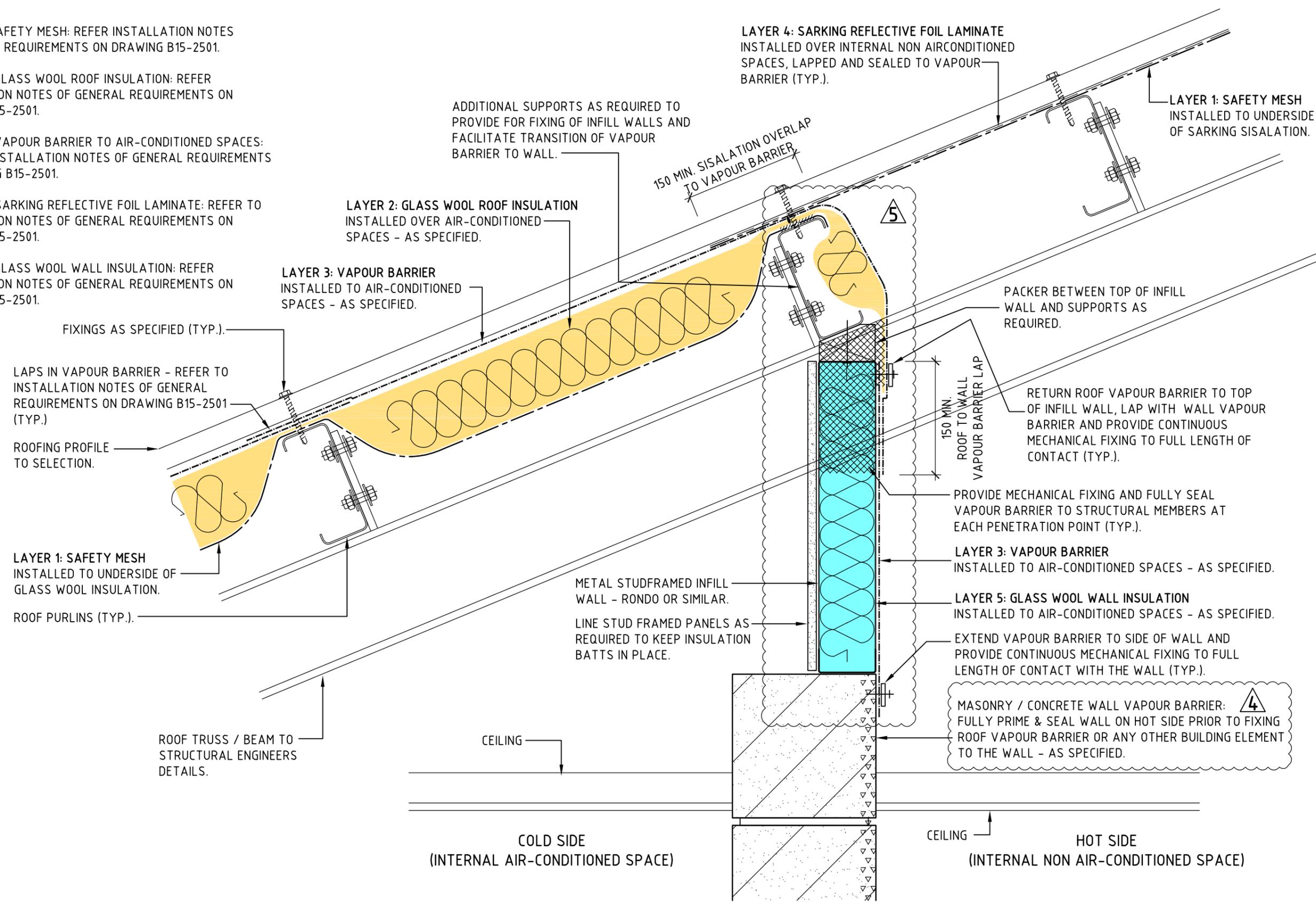
DRAWN	SG	CHECKED	-
DATE	NOV. 2016	DATE	-
DESIGNED	SG	CHECKED	-
DATE	NOV. 2016	DATE	-
DESIGN PROJECT LEADER	-	NTG PROJECT MANAGER	MT
DATE	-	DATE	-



DARWIN - VARIOUS REGIONS VAPOUR BARRIERS - GENERIC DETAILS				
TYPICAL VAPOUR BARRIER INSTALLATION AT GABLE ENDS. (UNLINED EAVES DETAIL).				
NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT
		1 OF 1	B15-2503	4
				SHEET SIZE A3

**LEGEND**

- LAYER 1 - SAFETY MESH: REFER INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
-  LAYER 2 - GLASS WOOL ROOF INSULATION: REFER INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
- LAYER 3 - VAPOUR BARRIER TO AIR-CONDITIONED SPACES: REFER TO INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
- LAYER 4 - SARKING REFLECTIVE FOIL LAMINATE: REFER TO INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
-  LAYER 5 - GLASS WOOL WALL INSULATION: REFER INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.



**TYPICAL INTERNAL WALL DETAIL**

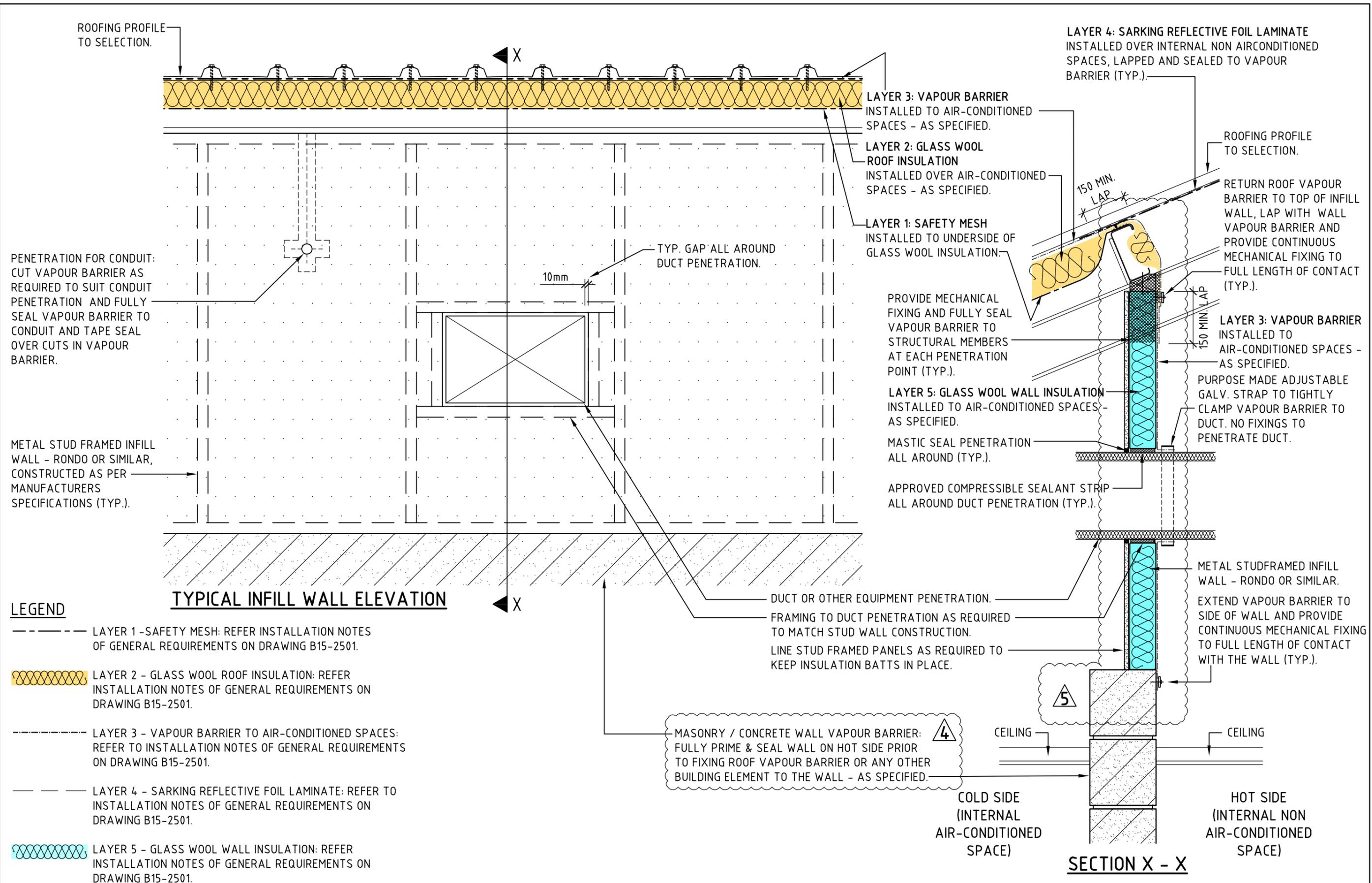
No.	DESCRIPTION	DATE	INIT.	DEPT./COMPANY.
5	WALL INSUL & VAPOUR BARRIER MATERIALS CHANGED	08-02-18	SG	DIPL
4	MASONRY WALL VAPOUR BARRIER NOTE AMENDED	25-01-18	SG	DIPL
3	WALL NOTE EDITED FOR CLARITY	03-07-17	SG	DIPL
2	REVISED ISSUE	20-11-16	SG	DIPL
1	1st ISSUE	03-03-15	KMB	DoI
AMENDMENTS				

**IMPORTANT NOTE:**  
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 DESIGN CONSULTANTS TO ADAPT DETAILS TO SUIT EACH PROJECT AS REQUIRED.

DRAWN	SG	CHECKED	-
DATE	NOV. 2016	DATE	-
DESIGNED	SG	CHECKED	-
DATE	NOV. 2016	DATE	-
DESIGN PROJECT LEADER	-	NTG PROJECT MANAGER	MT
DATE	-	DATE	-



DARWIN - VARIOUS REGIONS VAPOUR BARRIERS - GENERIC DETAILS				
TYPICAL VAPOUR BARRIER INSTALLATION BETWEEN INTERNAL AIRCONDITIONED AND NON AIRCONDITIONED SPACES.				
NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT
		1 OF 1	B15-2504	5
				SHEET SIZE A3



- LEGEND**
- LAYER 1 - SAFETY MESH: REFER INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
  - LAYER 2 - GLASS WOOL ROOF INSULATION: REFER INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
  - LAYER 3 - VAPOUR BARRIER TO AIR-CONDITIONED SPACES: REFER TO INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
  - LAYER 4 - SARKING REFLECTIVE FOIL LAMINATE: REFER TO INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
  - LAYER 5 - GLASS WOOL WALL INSULATION: REFER INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.

No.	DESCRIPTION	DATE	INIT.	DEPT./COMPANY.
5	WALL INSUL & VAPOUR BARRIER MATERIALS CHANGED	08-02-18	SG	DIPL
4	MASONRY WALL VAPOUR BARRIER NOTE AMENDED	25-01-18	SG	DIPL
3	WALL NOTE EDITED FOR CLARITY	03-07-17	SG	DIPL
2	REVISED ISSUE	20-11-16	SG	DIPL
1	1st ISSUE	03-03-15	KMB	DoI
AMENDMENTS				

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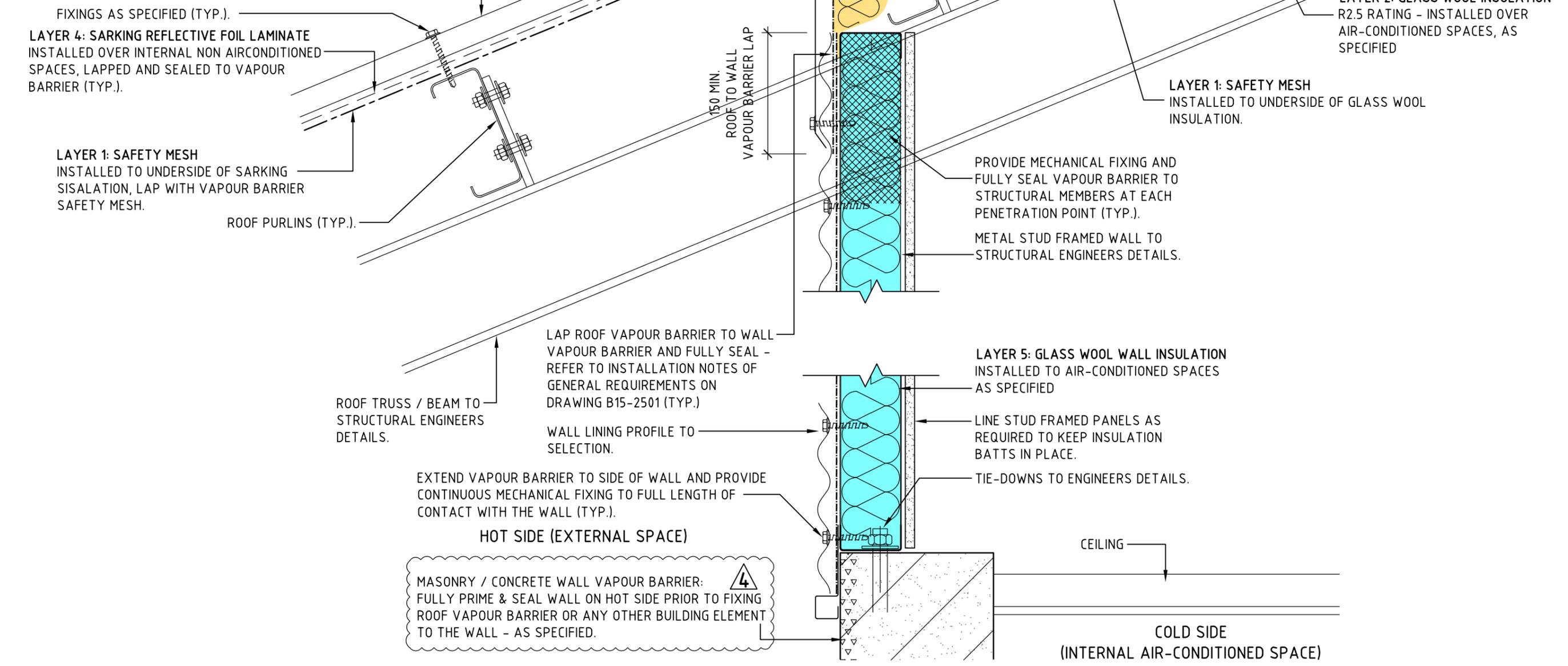
DRAWN SG	CHECKED -
DATE NOV. 2016	DATE -
DESIGNED SG	CHECKED -
DATE NOV. 2016	DATE -
DESIGN PROJECT LEADER -	NTG PROJECT MANAGER MT
DATE -	DATE -



DARWIN - VARIOUS REGIONS VAPOUR BARRIERS - GENERIC DETAILS				
TYPICAL VAPOUR BARRIER PENETRATION DETAILS BETWEEN INTERNAL AIRCONDITIONED AND NON AIRCONDITIONED SPACES.				
NTG PROJECT No.	NTG ASSET No.	SHEET No. 1 of 1	NTG DRAWING No. B15-2505	AMENDMENT 5
				SHEET SIZE A3

**LEGEND**

- LAYER 1 - SAFETY MESH: REFER INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
-  LAYER 2 - GLASS WOOL ROOF INSULATION: REFER INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
- LAYER 3 - VAPOUR BARRIER TO AIR-CONDITIONED SPACES: REFER TO INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
- LAYER 4 - SARKING REFLECTIVE FOIL LAMINATE: REFER TO INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
-  LAYER 5 - GLASS WOOL WALL INSULATION: REFER INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.



**IMPORTANT NOTE:**  
 DETAILS AS SHOWN ARE GENERIC AND ARE INTENDED TO BE USED AS A GUIDE ONLY - REFER DESIGN INTENT ON DRAWING No: B15-2501.  
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DRAWN	SG	CHECKED	-
DATE	NOV. 2016	DATE	-
DESIGNED	SG	CHECKED	-
DATE	NOV. 2016	DATE	-
DESIGN PROJECT LEADER	-	NTG PROJECT MANAGER	MT
DATE	-	DATE	-



DARWIN - VARIOUS REGIONS VAPOUR BARRIERS - GENERIC DETAILS			
TYPICAL VAPOUR BARRIER INSTALLATION AT EAVES - FRAMED WALL CONSTRUCTION			
NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.
		1 OF 1	B15-2506
			AMENDMENT 4
			SHEET SIZE A3

No.	DESCRIPTION	DATE	INIT.	DEPT./COMPANY.
4	MASONRY WALL VAPOUR BARRIER NOTE AMENDED	25-01-18	SG	DIPL
3	WALL NOTE EDITED FOR CLARITY	03-07-17	SG	DIPL
2	REVISED ISSUE	20-11-16	SG	DIPL
1	1st ISSUE	03-03-15	KMB	DoI
AMENDMENTS				

**LEGEND**

- LAYER 1 - SAFETY MESH: REFER INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
-  LAYER 2 - GLASS WOOL ROOF INSULATION: REFER INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
- LAYER 3 - VAPOUR BARRIER TO AIR-CONDITIONED SPACES: REFER TO INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
- LAYER 4 - SARKING REFLECTIVE FOIL LAMINATE: REFER TO INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.

**LAYER 4: SARKING REFLECTIVE FOIL LAMINATE**  
 INSTALLED OVER INTERNAL NON AIRCONDITIONED SPACES, LAPPED AND SEALED TO VAPOUR BARRIER (TYP.).

**LAYER 1: SAFETY MESH**  
 INSTALLED TO UNDERSIDE OF SARKING SISALATION, LAP WITH VAPOUR BARRIER SAFETY MESH.

ROOFING PROFILE TO SELECTION.

ROOF PURLINS (TYP.).

PROVIDE CAPPING TO SEAL WALL / ROOF JUNCTION, NOM. 0.55 BMT PURPOSE MADE COLORBOND CAPPING - NEATLY SCRIBED AROUND ALL PENETRATIONS, SCREW FIX TO PURLINS AND TO WALL (TYP.).

150 MM. SISALATION OVERLAP TO VAPOUR BARRIER

**LAYER 2: GLASS WOOL ROOF INSULATION**  
 INSTALLED OVER AIR-CONDITIONED SPACES - AS SPECIFIED.

**LAYER 3: VAPOUR BARRIER**  
 INSTALLED TO AIR-CONDITIONED SPACES - AS SPECIFIED.

LAP VAPOUR BARRIER OVER PURLINS MIN. 150mm AND FULLY SEAL LAPS WITH APPROVED TAPE AND ELASTOMERIC SEALANT (TYP.).

ROOF TRUSS / BEAM TO STRUCTURAL ENGINEERS DETAILS.

**LAYER 1: SAFETY MESH**  
 INSTALLED TO UNDERSIDE OF GLASS WOOL INSULATION.

PROVIDE MECHANICAL FIXING AND FULLY SEAL VAPOUR BARRIER TO STRUCTURAL MEMBERS AT EACH PENETRATION POINT (TYP.).

ROOF TIE-DOWNS TO ENGINEERS DETAILS.

RETURN VAPOUR BARRIER TO TOP OF WALL AND PROVIDE CONTINUOUS MECHANICAL FIXING TO FULL LENGTH OF CONTACT WITH THE WALL (TYP.).

**MASONRY / CONCRETE WALL CONSTRUCTION**  
 - FULLY PRIME & SEAL WALL ON HOT SIDE PRIOR TO FIXING VAPOUR BARRIER OR ANY OTHER BUILDING ELEMENT TO THE WALL.

**HOT SIDE**  
 (EXTERNAL SPACE)

**COLD SIDE**  
 (INTERNAL AIR-CONDITIONED SPACE)

CEILING

No.	DESCRIPTION	DATE	INIT.	DEPT./COMPANY.
4	MASONRY WALL VAPOUR BARRIER NOTE AMENDED	25-01-18	SG	DIPL
3	WALL NOTE EDITED FOR CLARITY	03-07-17	SG	DIPL
2	REVISED ISSUE	20-11-16	SG	DIPL
1	1st ISSUE	03-03-15	KMB	DoI
AMENDMENTS				

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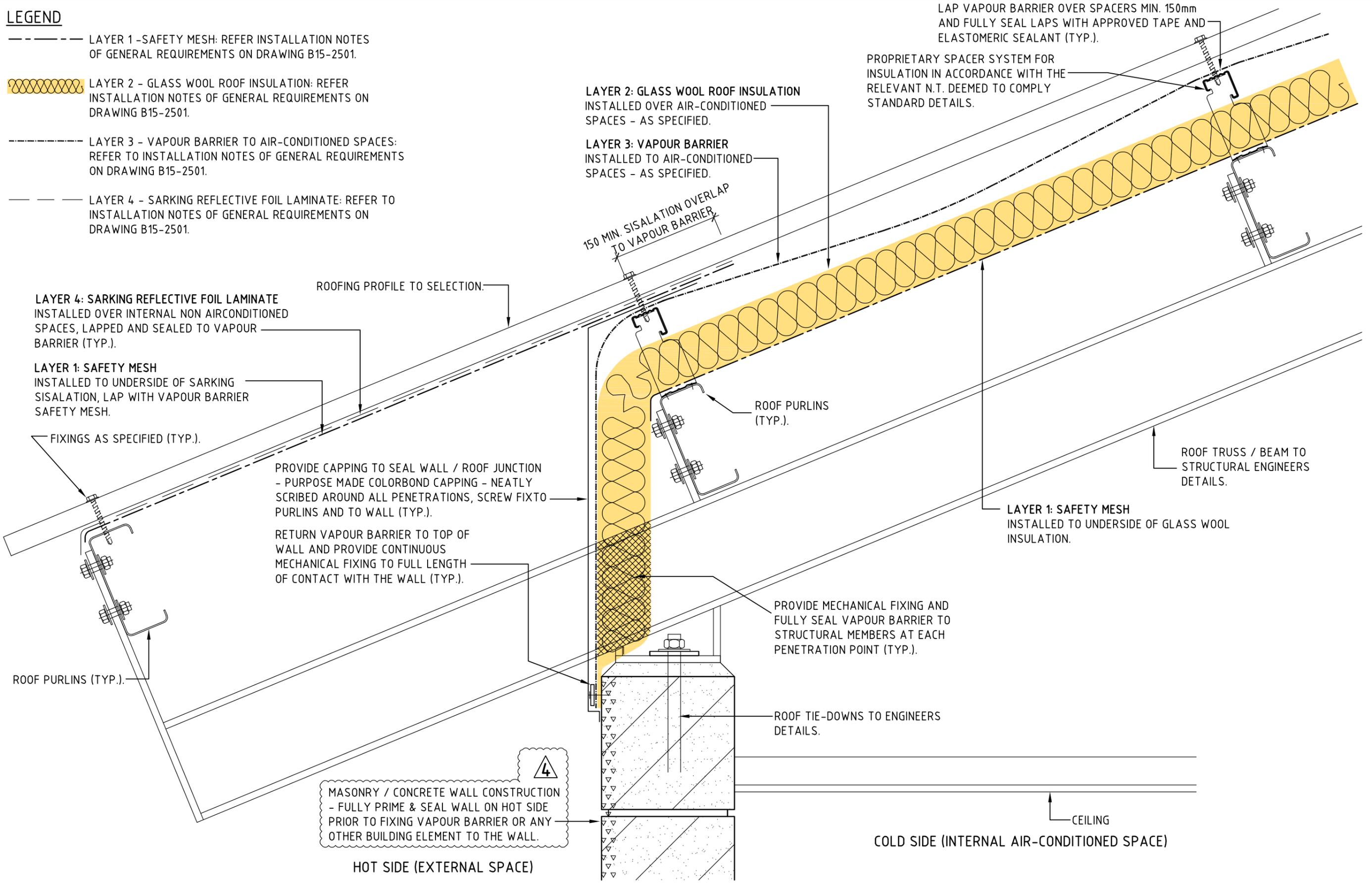
DRAWN	SG	CHECKED	-
DATE	NOV. 2016	DATE	-
DESIGNED	SG	CHECKED	-
DATE	NOV. 2016	DATE	-
DESIGN PROJECT LEADER	-	NTG PROJECT MANAGER	MT
DATE	-	DATE	-



DARWIN - VARIOUS REGIONS VAPOUR BARRIERS - GENERIC DETAILS			
<b>TYPICAL VAPOUR BARRIER INSTALLATION AT EAVES - BLOCKWORK WALL CONSTRUCTION</b>			
NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.
		1 OF 1	B15-2507
			AMENDMENT
			4
			SHEET SIZE
			A3

**LEGEND**

- LAYER 1 - SAFETY MESH: REFER INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
-  LAYER 2 - GLASS WOOL ROOF INSULATION: REFER INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
- LAYER 3 - VAPOUR BARRIER TO AIR-CONDITIONED SPACES: REFER TO INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
- LAYER 4 - SARKING REFLECTIVE FOIL LAMINATE: REFER TO INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.



**LAYER 4: SARKING REFLECTIVE FOIL LAMINATE**  
 INSTALLED OVER INTERNAL NON AIRCONDITIONED SPACES, LAPPED AND SEALED TO VAPOUR BARRIER (TYP.).

**LAYER 1: SAFETY MESH**  
 INSTALLED TO UNDERSIDE OF SARKING SISALATION, LAP WITH VAPOUR BARRIER SAFETY MESH.

FIXINGS AS SPECIFIED (TYP.).

PROVIDE CAPPING TO SEAL WALL / ROOF JUNCTION - PURPOSE MADE COLORBOND CAPPING - NEATLY SCRIBED AROUND ALL PENETRATIONS, SCREW FIX TO PURLINS AND TO WALL (TYP.).

RETURN VAPOUR BARRIER TO TOP OF WALL AND PROVIDE CONTINUOUS MECHANICAL FIXING TO FULL LENGTH OF CONTACT WITH THE WALL (TYP.).

MASONRY / CONCRETE WALL CONSTRUCTION - FULLY PRIME & SEAL WALL ON HOT SIDE PRIOR TO FIXING VAPOUR BARRIER OR ANY OTHER BUILDING ELEMENT TO THE WALL.

HOT SIDE (EXTERNAL SPACE)

**LAYER 2: GLASS WOOL ROOF INSULATION**  
 INSTALLED OVER AIR-CONDITIONED SPACES - AS SPECIFIED.

**LAYER 3: VAPOUR BARRIER**  
 INSTALLED TO AIR-CONDITIONED SPACES - AS SPECIFIED.

150 MIN. SISALATION OVERLAP TO VAPOUR BARRIER

ROOF PURLINS (TYP.).

PROVIDE MECHANICAL FIXING AND FULLY SEAL VAPOUR BARRIER TO STRUCTURAL MEMBERS AT EACH PENETRATION POINT (TYP.).

ROOF TIE-DOWNS TO ENGINEERS DETAILS.

LAP VAPOUR BARRIER OVER SPACERS MIN. 150mm AND FULLY SEAL LAPS WITH APPROVED TAPE AND ELASTOMERIC SEALANT (TYP.).

PROPRIETARY SPACER SYSTEM FOR INSULATION IN ACCORDANCE WITH THE RELEVANT N.T. DEEMED TO COMPLY STANDARD DETAILS.

**LAYER 1: SAFETY MESH**  
 INSTALLED TO UNDERSIDE OF GLASS WOOL INSULATION.

ROOF TRUSS / BEAM TO STRUCTURAL ENGINEERS DETAILS.

CEILING

COLD SIDE (INTERNAL AIR-CONDITIONED SPACE)

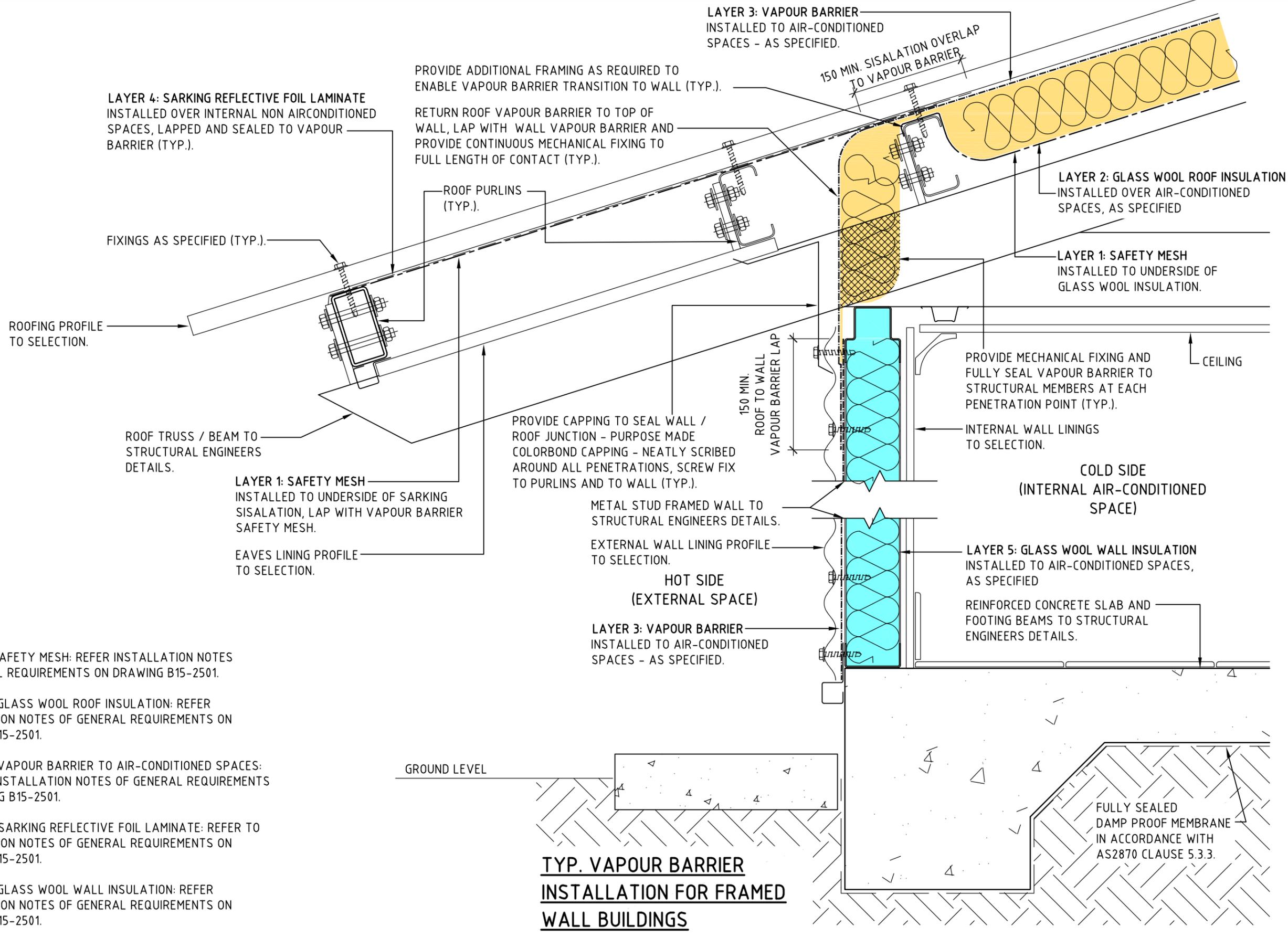
No.	DESCRIPTION	DATE	INIT.	DEPT./COMPANY.
4	MASONRY WALL VAPOUR BARRIER NOTE AMENDED	25-01-18	SG	DIPL
3	WALL NOTE EDITED FOR CLARITY	03-07-17	SG	DIPL
2	REVISED ISSUE	20-11-16	SG	DIPL
1	1st ISSUE	03-03-15	KMB	DoI
AMENDMENTS				

**IMPORTANT NOTE:**  
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 DESIGN CONSULTANTS TO ADAPT DETAILS TO SUIT EACH PROJECT AS REQUIRED.

DRAWN	SG	CHECKED	-
DATE	NOV. 2016	DATE	-
DESIGNED	SG	CHECKED	-
DATE	NOV. 2016	DATE	-
DESIGN PROJECT LEADER	-	NTG PROJECT MANAGER	MT
DATE	-	DATE	-



DARWIN - VARIOUS REGIONS VAPOUR BARRIERS - GENERIC DETAILS			
TYP. VAPOUR BARRIER INSTALLATION AT EAVES UTILISING PROPRIETARY INSULATION SPACER SYSTEM			
NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.
		1 OF 1	B16-13407
AMENDMENT	SHEET SIZE		
4	A3		



**LEGEND**

- LAYER 1 - SAFETY MESH: REFER INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
- LAYER 2 - GLASS WOOL ROOF INSULATION: REFER INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
- LAYER 3 - VAPOUR BARRIER TO AIR-CONDITIONED SPACES: REFER TO INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
- LAYER 4 - SARKING REFLECTIVE FOIL LAMINATE: REFER TO INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
- LAYER 5 - GLASS WOOL WALL INSULATION: REFER INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.

**TYP. VAPOUR BARRIER  
INSTALLATION FOR FRAMED  
WALL BUILDINGS**

**IMPORTANT NOTE:**  
 DETAILS AS SHOWN ARE GENERIC AND ARE INTENDED TO BE USED AS A GUIDE ONLY - REFER DESIGN INTENT ON DRAWING No: B15-2501.  
**DESIGN CONSULTANTS TO ADAPT DETAILS TO SUIT EACH PROJECT AS REQUIRED.**

DRAWN	SG	CHECKED	-
DATE	JAN 2018	DATE	-
DESIGNED	SG	CHECKED	-
DATE	JAN 2018	DATE	-
DESIGN PROJECT LEADER	-	NTG PROJECT MANAGER	MT
DATE	-	DATE	-



DARWIN - VARIOUS REGIONS VAPOUR BARRIERS - GENERIC DETAILS			
<b>TYP. VAPOUR BARRIER INSTALLATION FOR FRAMED WALL BUILDINGS</b>			
NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.
		1 OF 1	B18-2298
AMENDMENT	1		SHEET SIZE A3

**LAYER 4: SARKING REFLECTIVE FOIL LAMINATE**  
 INSTALLED OVER INTERNAL NON AIRCONDITIONED SPACES, LAPPED AND SEALED TO VAPOUR BARRIER (TYP.).

**LAYER 1: SAFETY MESH**  
 INSTALLED TO UNDERSIDE OF SARKING SISALATION, LAP WITH VAPOUR BARRIER SAFETY MESH.

**LAYER 2: GLASS WOOL ROOF INSULATION**  
 INSTALLED OVER AIR-CONDITIONED SPACES - AS SPECIFIED.

**LAYER 3: VAPOUR BARRIER**  
 INSTALLED TO AIR-CONDITIONED SPACES - AS SPECIFIED.

300 MIN. SAFETY MESH AND SISALATION OVERLAP TO VAPOUR BARRIER AT GABLE ENDS

PURPOSE MADE BARGE CAPPING.

ROOF PURLINS (TYP.).

EAVES LINING PROFILE TO SELECTION.

PROVIDE MECHANICAL FIXING AND FULLY SEAL VAPOUR BARRIER TO STRUCTURAL MEMBERS AT EACH PENETRATION POINT (TYP.).

PURPOSE MADE COLORBOND TRIM TO WALL / EAVES JUNCTION (TYP.).

TOP-HAT BATTENS FIXED TO TRUSSES ON GABLE ENDS.

FIXINGS IN ACCORDANCE WITH DEEMED TO COMPLY DETAILS (TYP.).

**HOT SIDE (EXTERNAL SPACE)**

EXTERNAL WALL LINING PROFILE TO SELECTION.

RETURN ROOF VAPOUR BARRIER TO TOP OF WALL, LAP WITH WALL VAPOUR BARRIER AND PROVIDE CONTINUOUS MECHANICAL FIXING TO FULL LENGTH OF CONTACT (TYP.).

**LAYER 3: VAPOUR BARRIER**  
 INSTALLED TO AIR-CONDITIONED SPACES - AS SPECIFIED.

**LAYER 1: SAFETY MESH**  
 INSTALLED TO UNDERSIDE OF GLASS WOOL INSULATION.

CONTINUOUS ZINCALUME ANGLE NOTCHED AND SCREW FIXED OVER PURLINS TO FACILITATE TRANSITION OF VAPOUR BARRIER TO WALL.

ROOF TRUSS / BEAM TO STRUCTURAL ENGINEERS DETAILS.

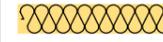
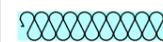
METAL STUD FRAMED WALL TO STRUCTURAL ENGINEERS DETAILS.

**COLD SIDE (INTERNAL AIR-CONDITIONED SPACE)**

**LAYER 5: GLASS WOOL WALL INSULATION**  
 INSTALLED TO AIR-CONDITIONED SPACES AS SPECIFIED

**TYP. VAPOUR BARRIER INSTALLATION FOR FRAMED WALL BUILDINGS - GABLE DETAIL**

**LEGEND**

- LAYER 1 - SAFETY MESH: REFER INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
-  LAYER 2 - GLASS WOOL ROOF INSULATION: REFER INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
- LAYER 3 - VAPOUR BARRIER TO AIR-CONDITIONED SPACES: REFER TO INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
- LAYER 4 - SARKING REFLECTIVE FOIL LAMINATE: REFER TO INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
-  LAYER 5 - GLASS WOOL WALL INSULATION: REFER INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.

**IMPORTANT NOTE:**

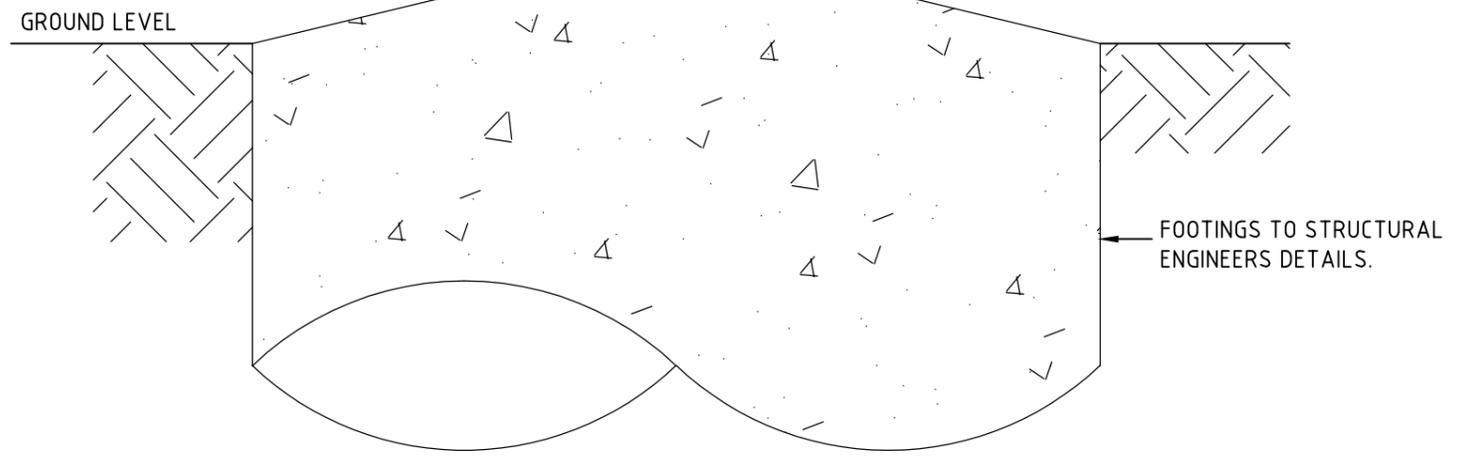
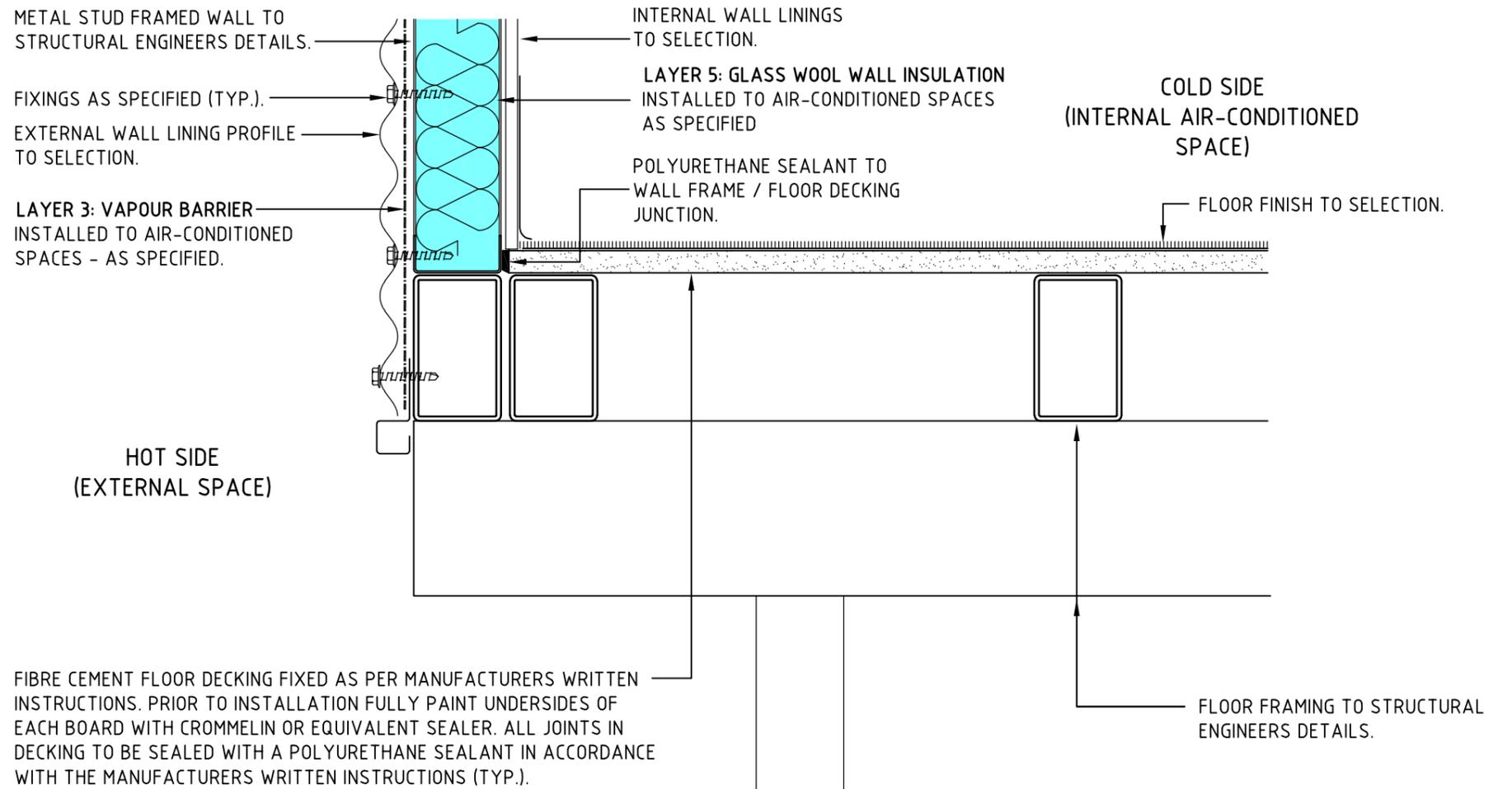
DETAILS AS SHOWN ARE GENERIC AND ARE INTENDED TO BE USED AS A GUIDE ONLY - REFER DESIGN INTENT ON DRAWING No: B15-2501.  
**DESIGN CONSULTANTS TO ADAPT DETAILS TO SUIT EACH PROJECT AS REQUIRED.**

DRAWN	SG	CHECKED	-
DATE	JAN 2018	DATE	-
DESIGNED	SG	CHECKED	-
DATE	JAN 2018	DATE	-
DESIGN PROJECT LEADER	-	NTG PROJECT MANAGER	MT
DATE	-	DATE	-



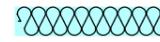
DARWIN - VARIOUS REGIONS VAPOUR BARRIERS - GENERIC DETAILS			
TYP. VAPOUR BARRIER INSTALLATION FOR FRAMED WALL BUILDINGS - GABLE DETAIL.			
NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.
		1 OF 1	B18-2299
AMENDMENT	1	SHEET SIZE	A3

1st ISSUE				
No.	DESCRIPTION	DATE	INIT.	DEPT./COMPANY.
	AMENDMENTS			



**TYPICAL FIBRE CEMENT DECKED, FRAMED FLOOR WITH PAINT APPLIED VAPOUR BARRIER DETAIL.**

**LEGEND**

- LAYER 3 - VAPOUR BARRIER TO AIR-CONDITIONED SPACES: REFER TO INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
-  LAYER 5 - GLASS WOOL WALL INSULATION: REFER TO INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.

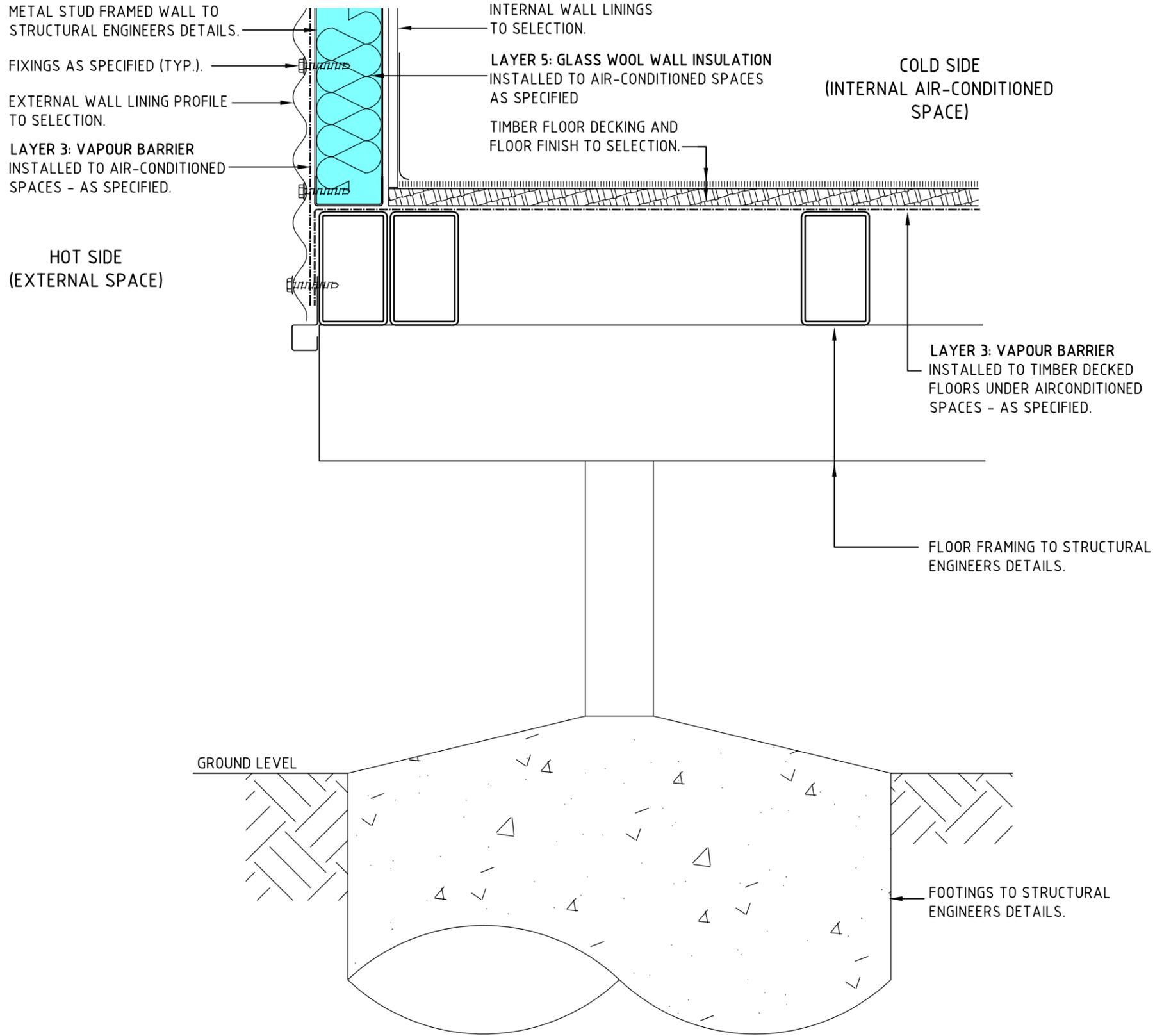
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DESIGNED	SG	CHECKED	-
DATE	JAN 2018	DATE	-
DESIGN PROJECT LEADER	-	NTG PROJECT MANAGER	MT
DATE	-	DATE	-

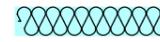


DARWIN - VARIOUS REGIONS VAPOUR BARRIERS - GENERIC DETAILS			
TYPICAL FIBRE CEMENT DECKED, FRAMED FLOOR DETAIL WITH PAINT APPLIED VAPOUR BARRIER DETAIL			
NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.
		1 OF 1	B18-2300
AMENDMENT	1		
SHEET SIZE	A3		

No.	DESCRIPTION	DATE	INIT.	DEPT./COMPANY.
1	1st ISSUE	09-02-18	SG	DIPL
AMENDMENTS				



**LEGEND**

- LAYER 3 - VAPOUR BARRIER TO AIR-CONDITIONED SPACES: REFER TO INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.
-  LAYER 5 - GLASS WOOL WALL INSULATION: REFER TO INSTALLATION NOTES OF GENERAL REQUIREMENTS ON DRAWING B15-2501.

**TYPICAL TIMBER DECKED, FRAMED FLOOR WITH SUBFLOOR MEMBRANE VAPOUR BARRIER DETAIL.**

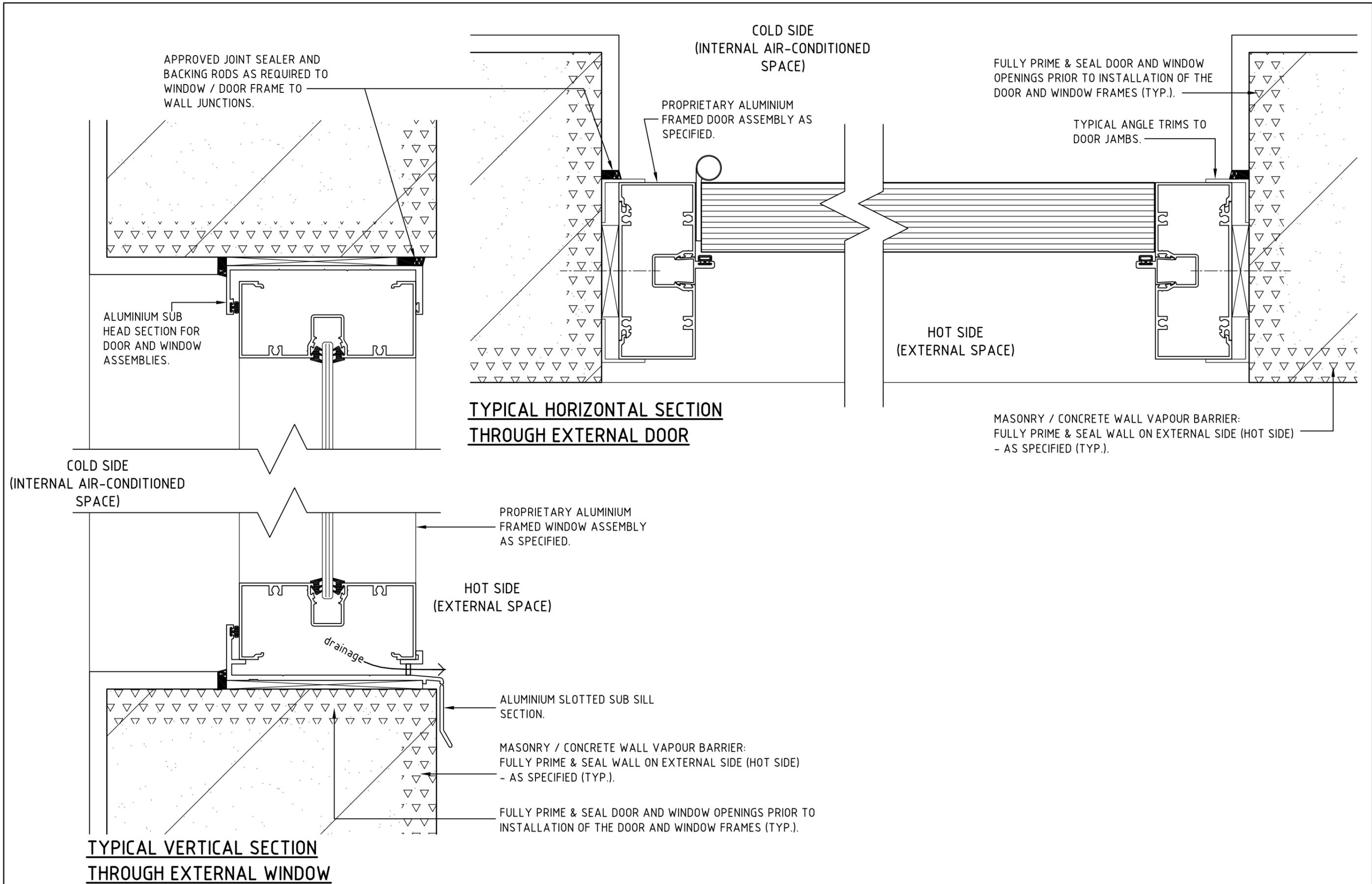
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1	1st ISSUE	09-02-18	SG	DIPL
AMENDMENTS				

**IMPORTANT NOTE:**  
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**DESIGN CONSULTANTS TO ADAPT DETAILS TO SUIT EACH PROJECT AS REQUIRED.**

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DATE	JAN 2018	DATE	-
DESIGNED	SG	CHECKED	-
DATE	JAN 2018	DATE	-
DESIGN PROJECT LEADER	-	NTG PROJECT MANAGER	-
DATE	-	DATE	-



DARWIN - VARIOUS REGIONS VAPOUR BARRIERS - GENERIC DETAILS				
TYPICAL TIMBER DECKED, FRAMED FLOOR WITH SUBFLOOR MEMBRANE VAPOUR BARRIER.				
NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT
		1 OF 1	B18-2301	1
				SHEET SIZE A3



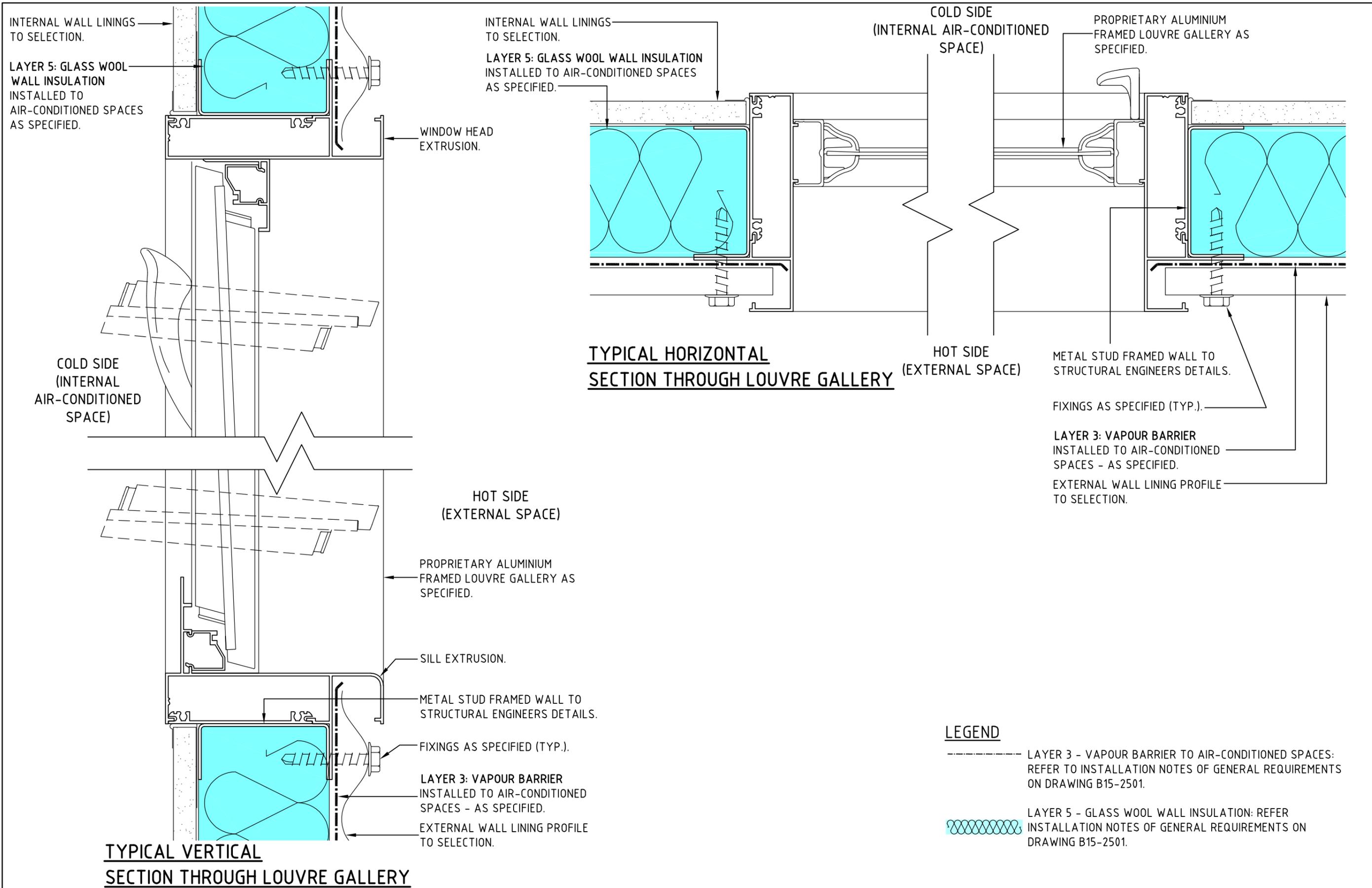
No.	DESCRIPTION	DATE	INIT.	DEPT./COMPANY.
1	1st ISSUE	09-02-18	SG	DIPL
AMENDMENTS				

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DRAWN	SG	CHECKED	-
DATE	JAN 2018	DATE	-
DESIGNED	SG	CHECKED	-
DATE	JAN 2018	DATE	-
DESIGN PROJECT LEADER	-	NTG PROJECT MANAGER	MT
DATE	-	DATE	-



DARWIN - VARIOUS REGIONS VAPOUR BARRIERS - GENERIC DETAILS				
TYPICAL SECTIONS THROUGH DOORS AND WINDOWS FOR MASONRY / CONCRETE WALL CONSTRUCTION.				
NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT
		1 OF 1	B18-2302	1
				SHEET SIZE A3



No.	DESCRIPTION	DATE	INIT.	DEPT./COMPANY.
1	1st ISSUE	09-02-18	SG	DIPL
AMENDMENTS				

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DATE	JAN 2018	DATE	-
DESIGNED	SG	CHECKED	-
DATE	JAN 2018	DATE	-
DESIGN PROJECT LEADER	-	NTG PROJECT MANAGER	MT
DATE	-	DATE	-



DARWIN - VARIOUS REGIONS VAPOUR BARRIERS - GENERIC DETAILS				
<b>TYPICAL SECTIONS THROUGH LOUVRE WINDOWS - FRAMED WALL CONSTRUCTION.</b>				
NTG PROJECT No.	NTG ASSET No.	SHEET No.	NTG DRAWING No.	AMENDMENT
		1 OF 1	<b>B18-2303</b>	1
				A3