

# Espan 340<sup>®</sup> / 470<sup>®</sup>

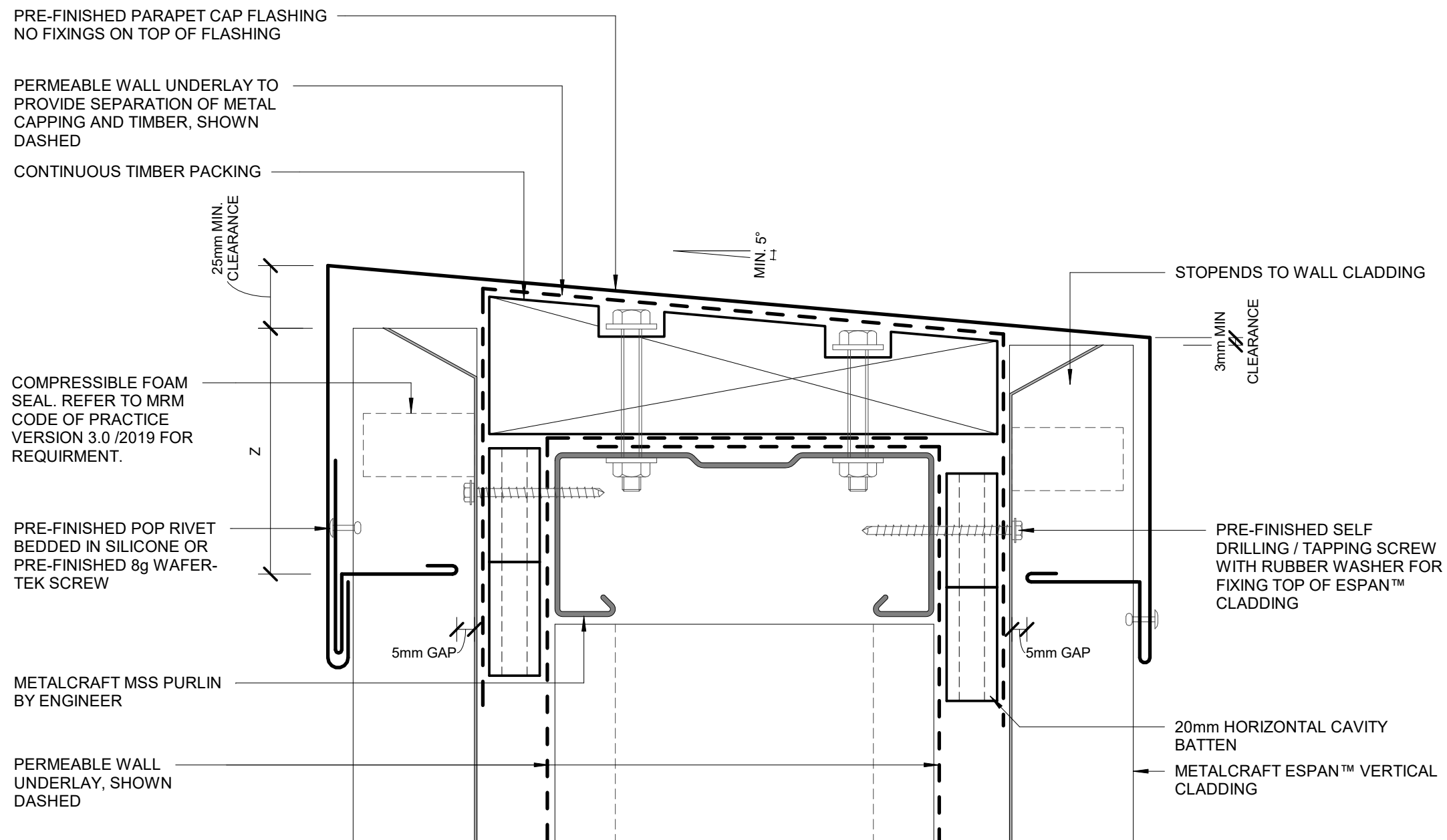
## COMMERCIAL VERTICAL CLADDING

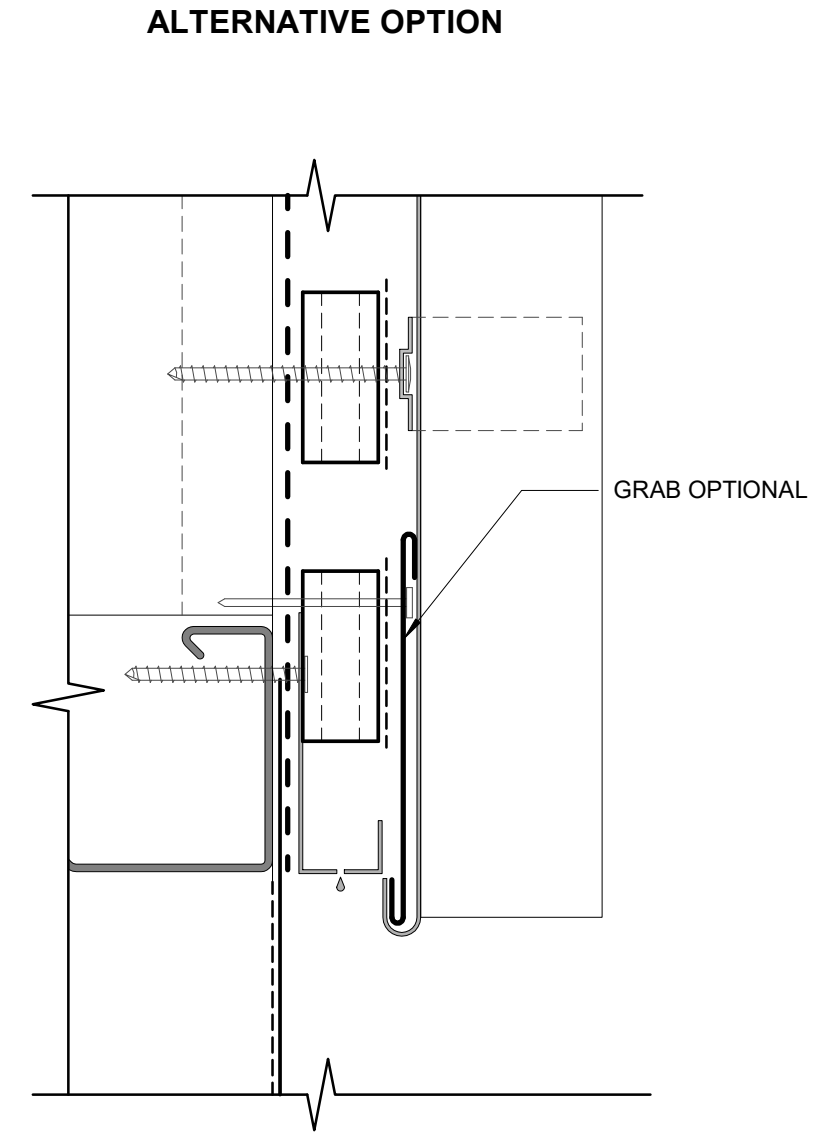
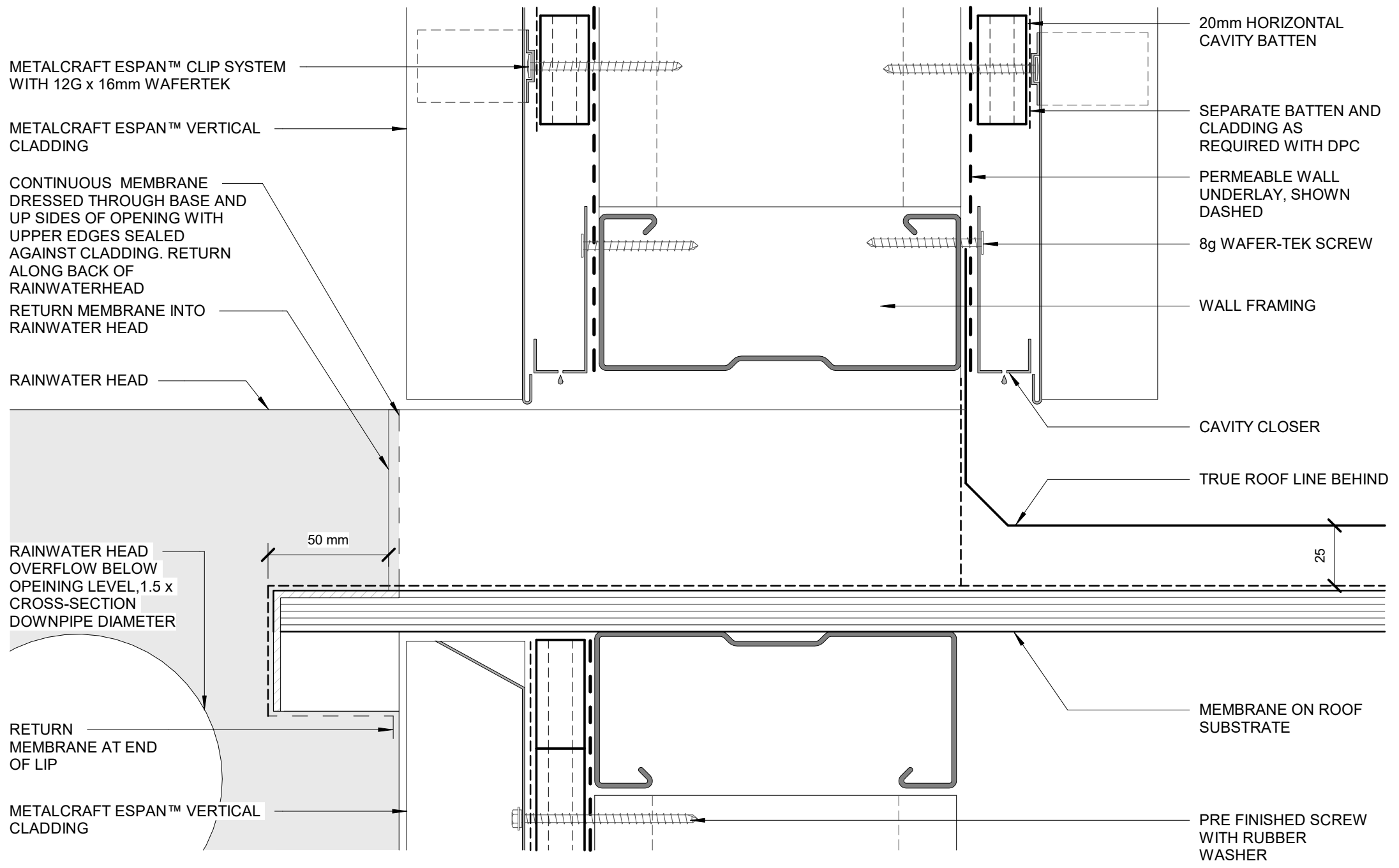
### DETAIL LIST

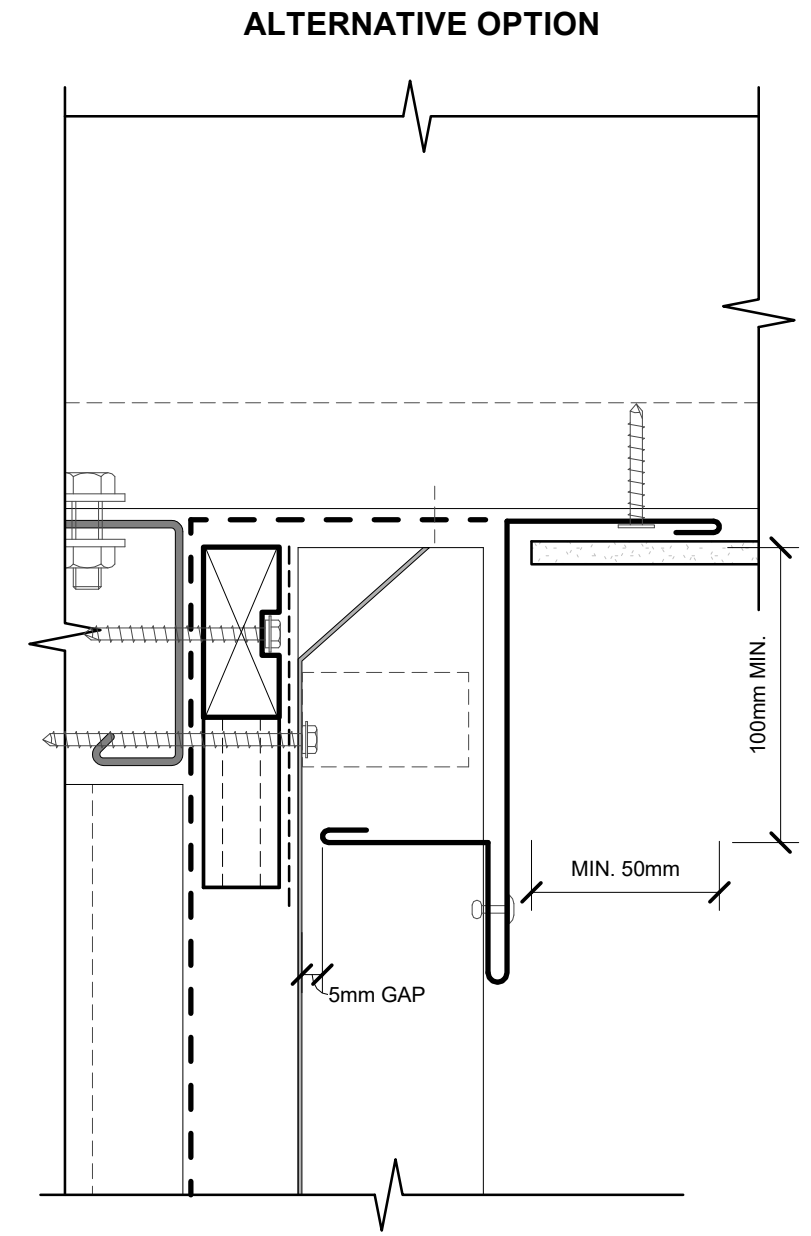
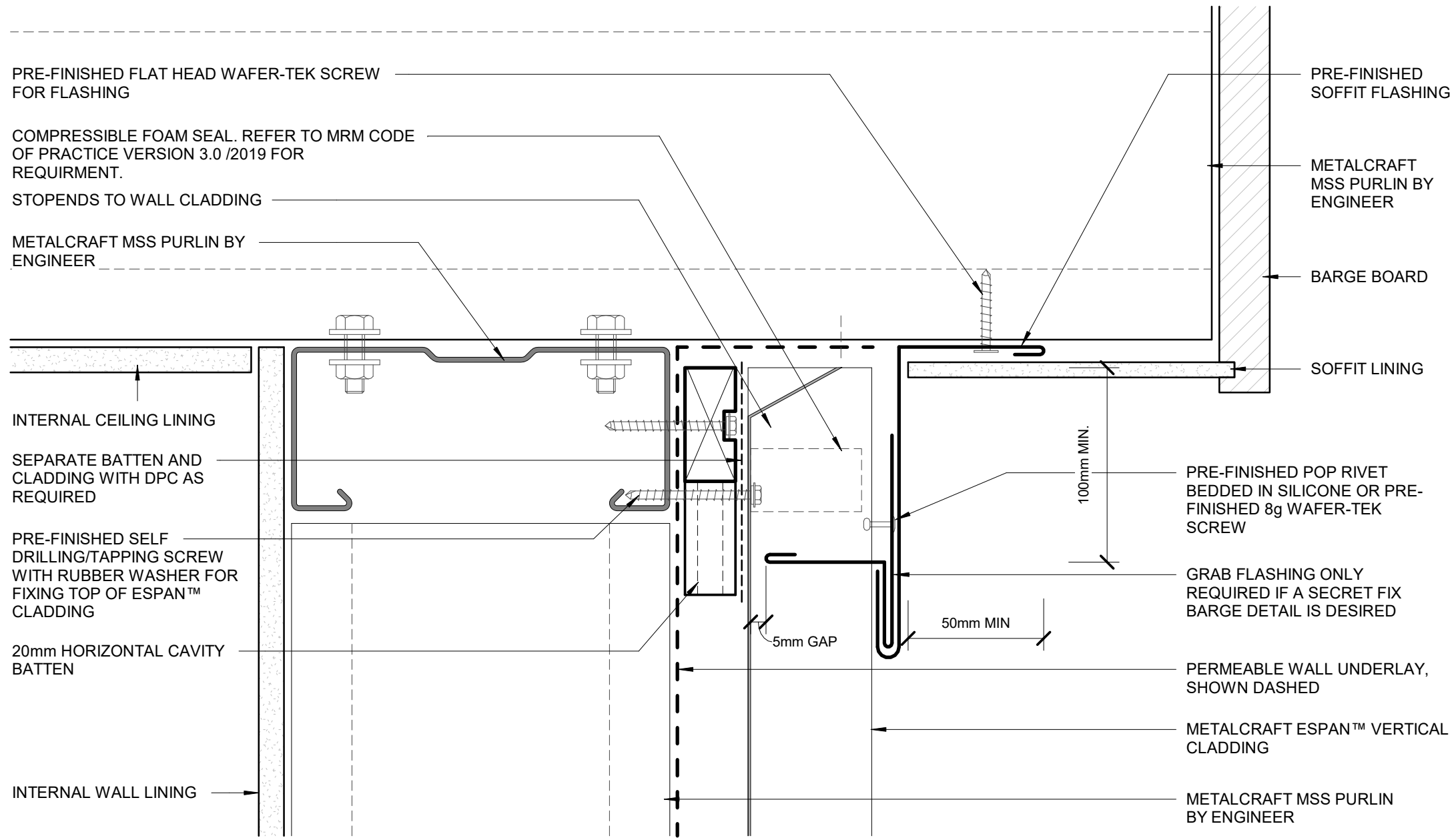
		<u>Revision</u>	<u>Date</u>
E 01	PARAPET AND BALUSTRADE CAPPING	2.0	FEB 2022
E 02	SCUPPER W/ RAINWATER HEAD	2.0	FEB 2022
E 03	SOFFIT	2.0	FEB 2022
E 04	BUTT WINDOW HEAD	2.0	FEB 2022
E 05	BUTT WINDOW SILL	2.0	FEB 2022
E 06	BUTT WINDOW JAMB	2.0	FEB 2022
E 07	RECESSED WINDOW HEAD	2.0	FEB 2022
E 08	RECESSED WINDOW SILL	2.0	FEB 2022
E 09	RECESSED WINDOW JAMB	2.0	FEB 2022
E 10	METERBOX HEAD	2.0	FEB 2022
E 11	METERBOX SILL	2.0	FEB 2022
E 12	METERBOX JAMB	2.0	FEB 2022
E 13	INTERNAL CORNER	2.0	FEB 2022
E 14	EXTERNAL CORNER	2.0	FEB 2022
E 15	SOAKER FLASHING	2.0	FEB 2022
E 16	CHANGE IN CLADDING	2.0	FEB 2022
E 17	CLADDING ABUTMENT	2.0	FEB 2022
E 18	BOTTOM OF CLADDING (FLUSH)	2.0	FEB 2022
E 19	BOTTOM OF CLADDING (RECESSED)	2.0	FEB 2022
E 20	3D WINDOW FLASHINGS	2.0	FEB 2022
E 21	3D RAINWATER HEAD	2.0	FEB 2022

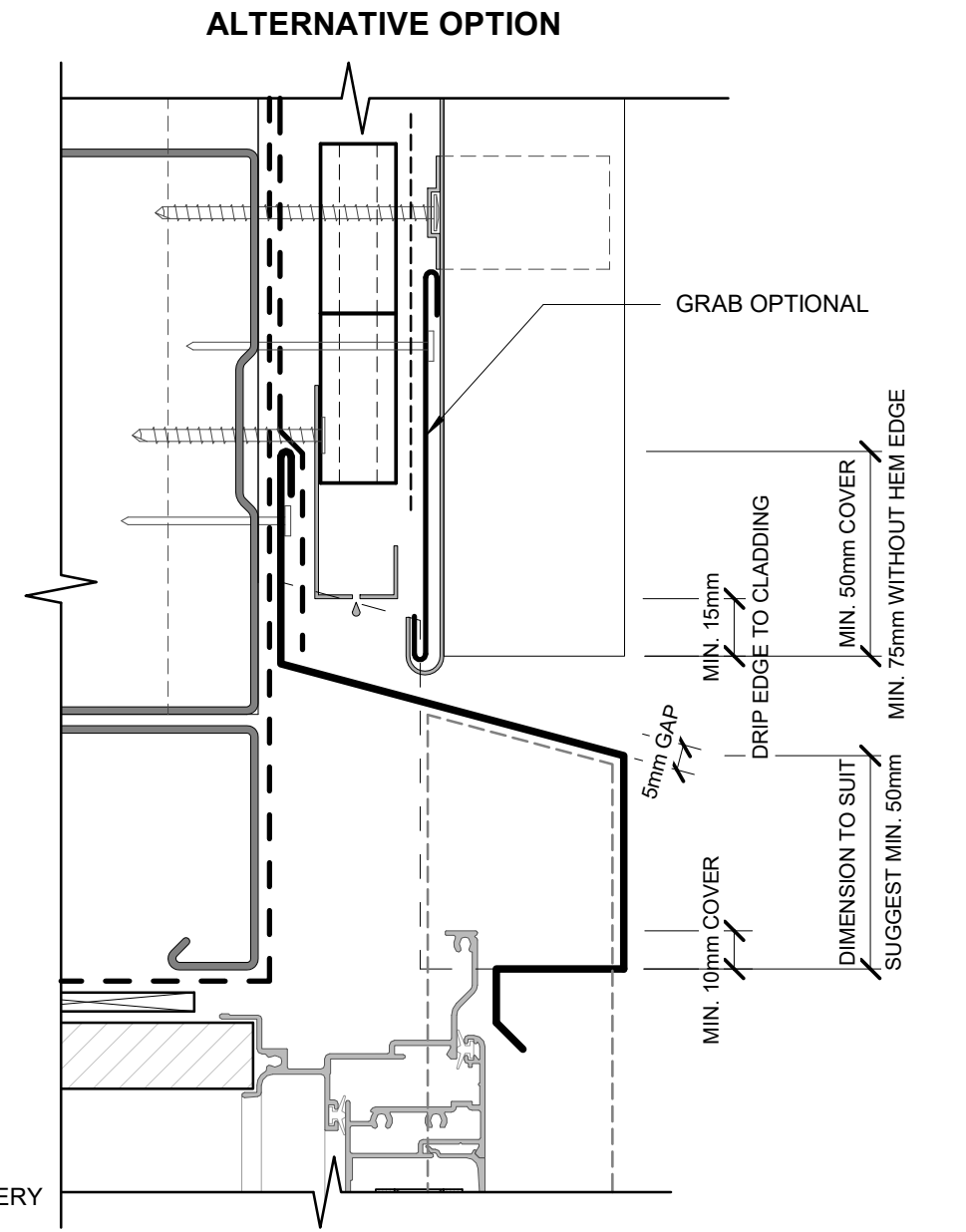
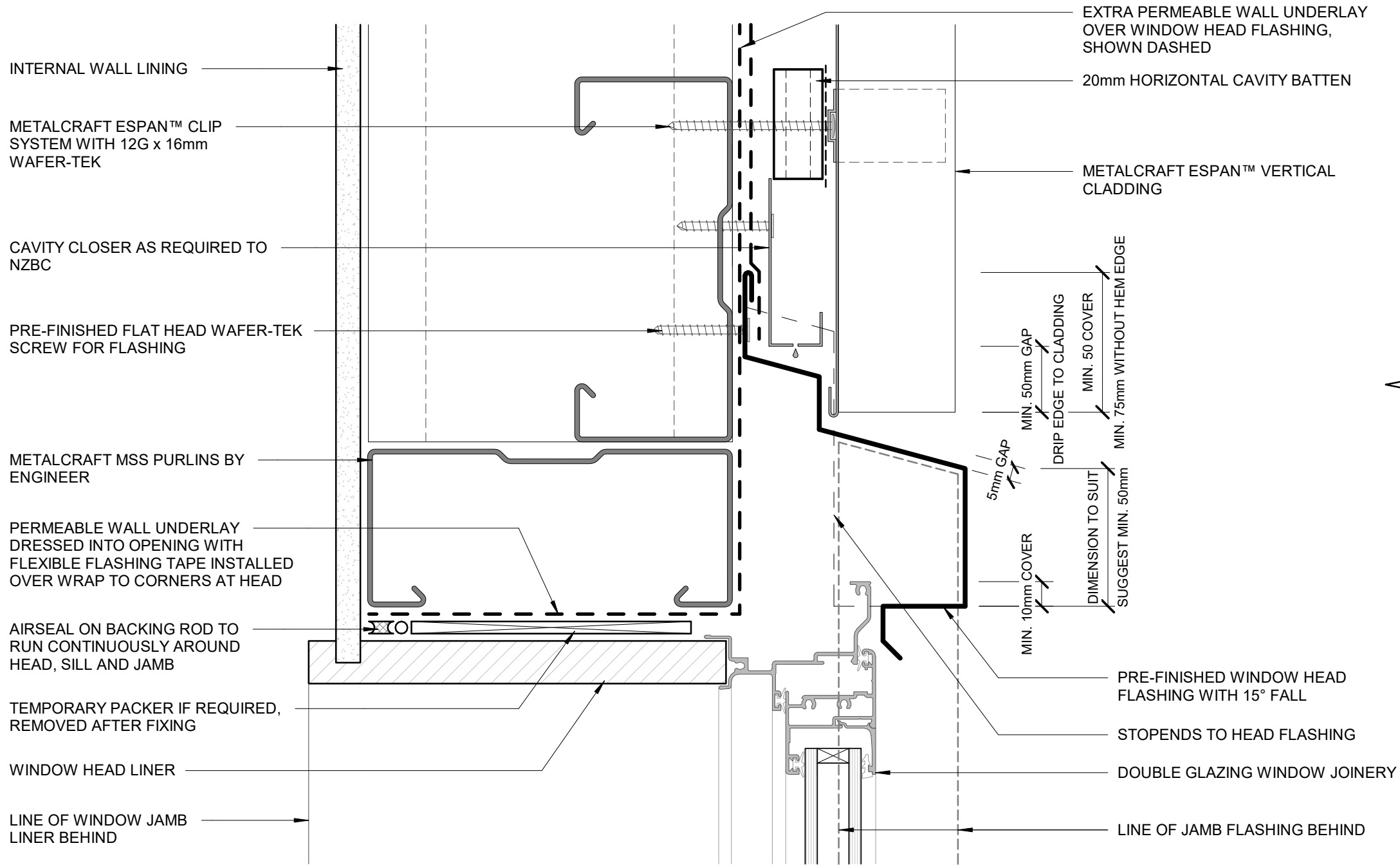
ACCEPTABLE SOLUTION AS PER E2/ASI		
<b>SITUATION 1</b> 1. LOW, MEDIUM, HIGH WIND ZONES, WHERE ROOF PITCH $\geq 10^\circ$	<b>SITUATION 2</b> 1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH $\leq 10^\circ$	<b>SITUATION 3</b> 1. FOR ALL ROOF PITCHES IN EXTRA HIGH WIND ZONES
Z MIN. 50mm	MIN. 70mm	MIN. 90mm

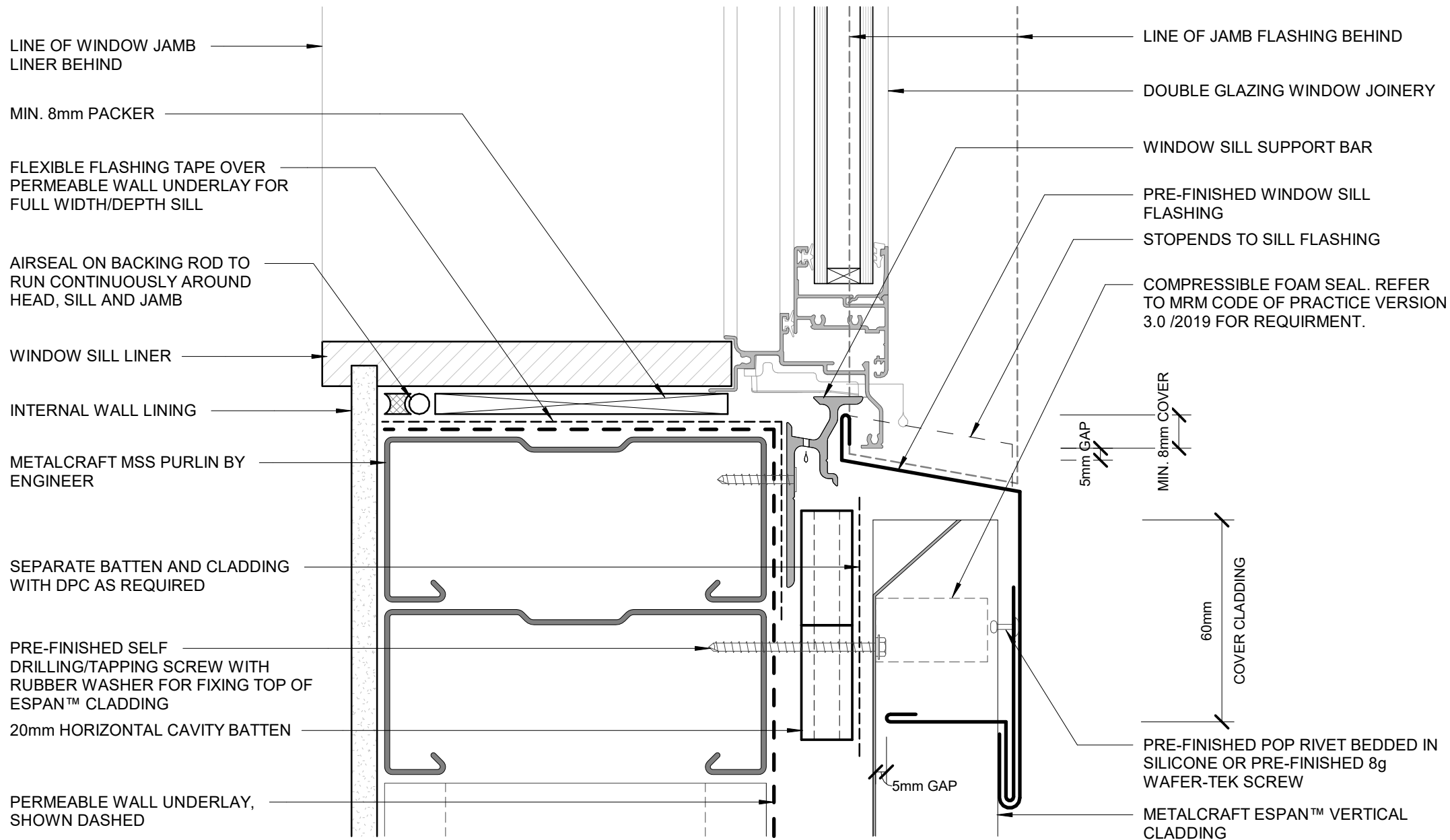
ALTERNATIVE SOLUTION AS PER MRM CODE OF PRACTICE	
<b>CATEGORY A</b> 1. NORMAL EXPOSURE 2. ROOF PITCH $>10^\circ$	<b>CATEGORY B</b> 1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH $<10^\circ$
Z MIN. 50mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 75mm (VERTICALLY DOWN FACE - PROFILED)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH) MIN. 100mm (VERTICALLY DOWN FACE - PROFILED)



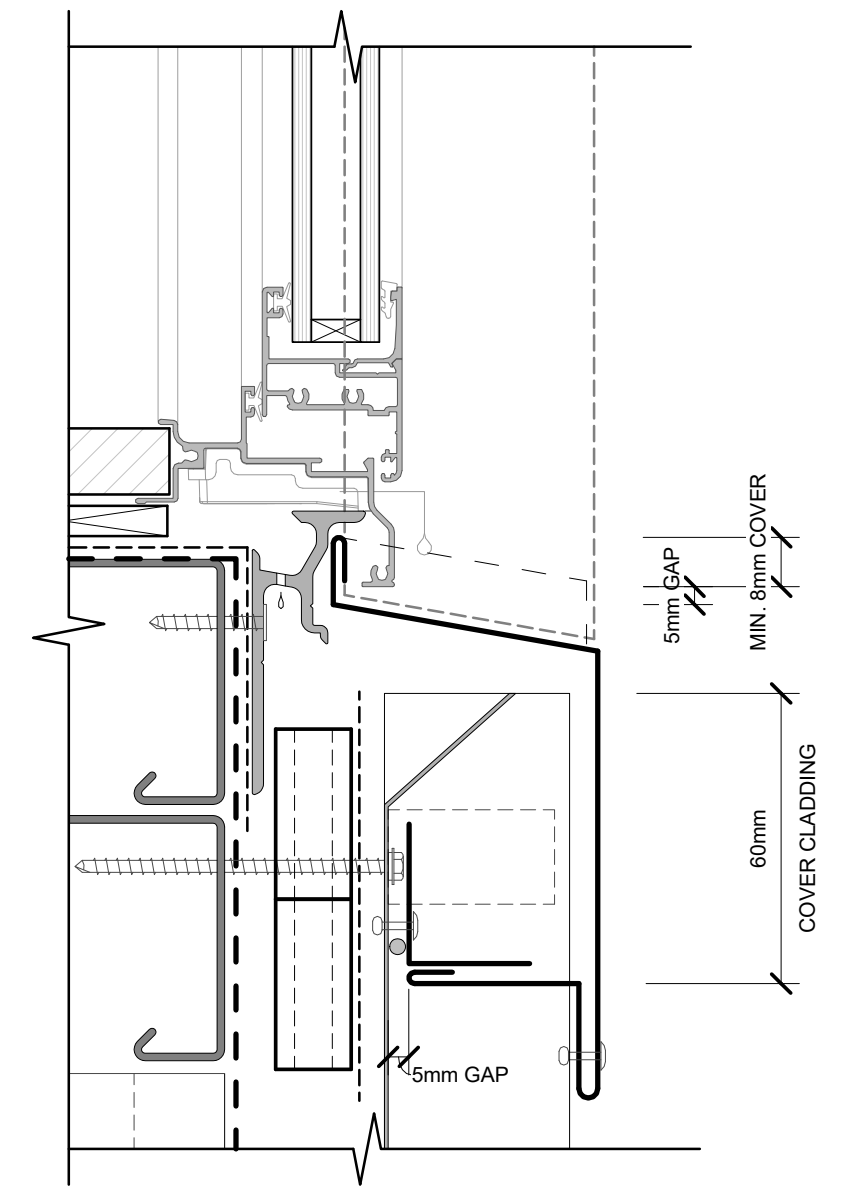


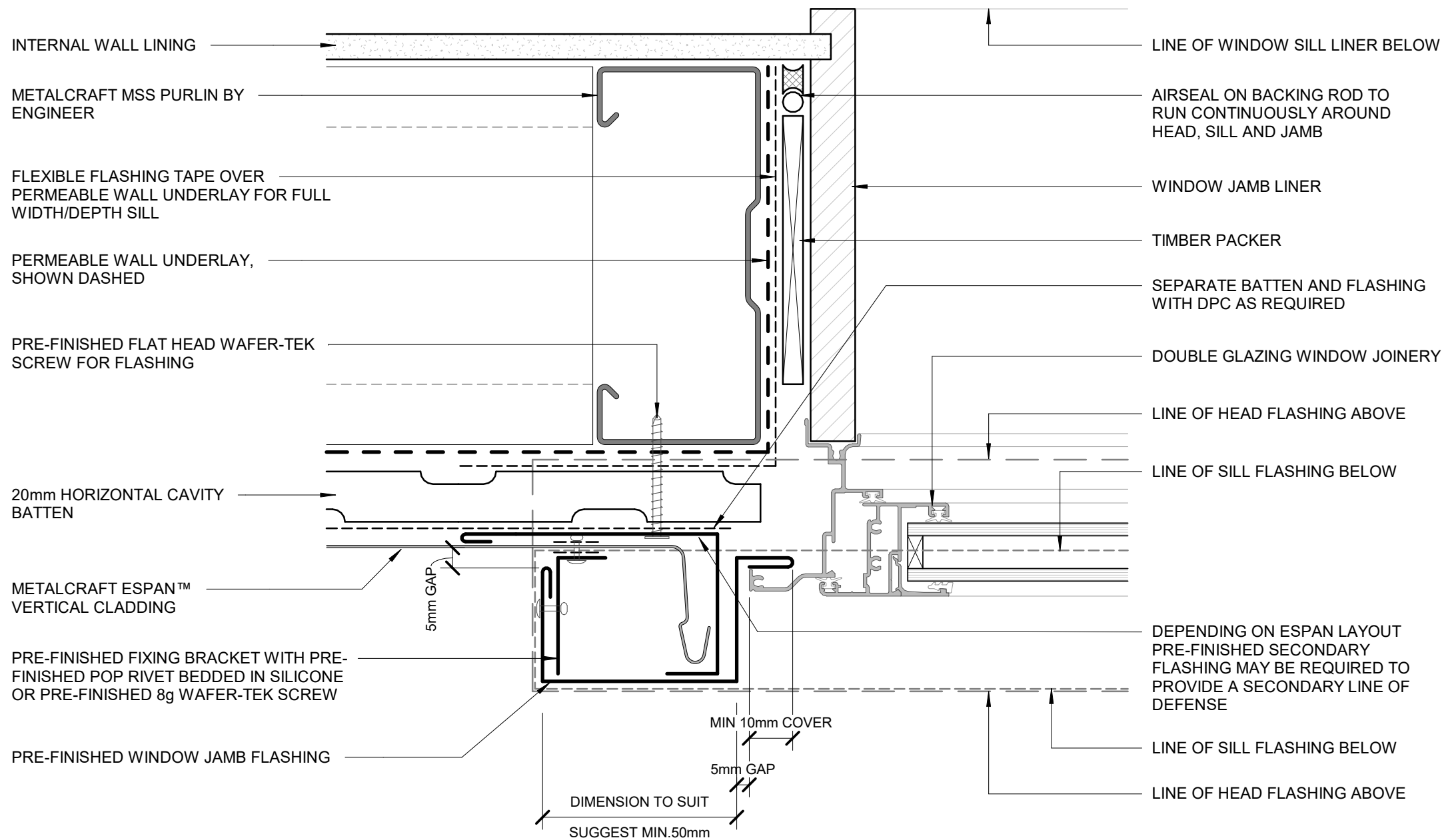






**ALTERNATIVE OPTION**





INTERNAL WALL LINING

METALCRAFT ESPAN™ CLIP SYSTEM WITH 12G x 16mm WAFER-TEK

CAVITY CLOSER AS REQUIRED TO NZBC

PRE-FINISHED FLAT HEAD WAFER-TEK SCREW FOR FLASHING

METALCRAFT MSS PURLINS BY ENGINEER

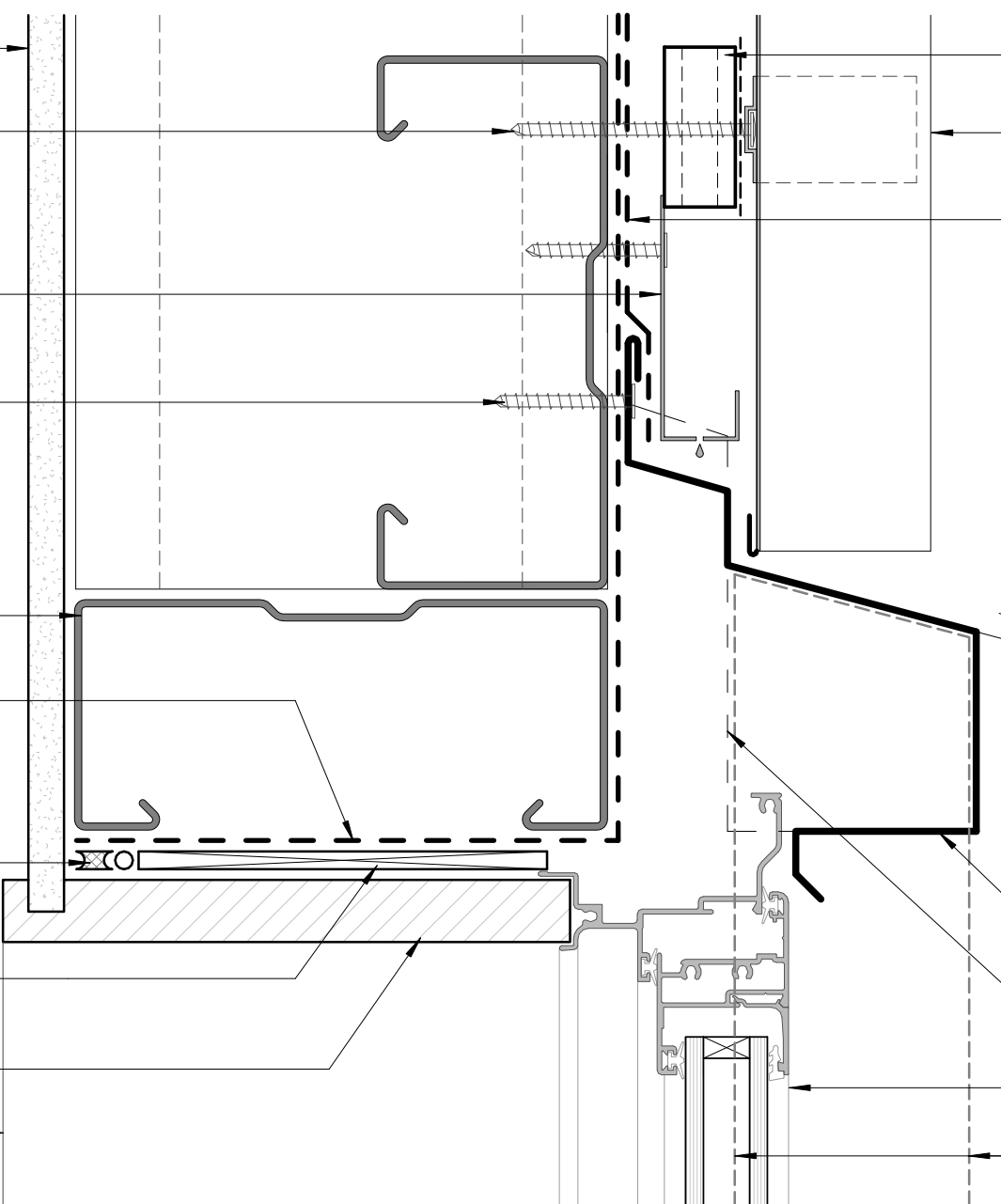
PERMEABLE WALL UNDERLAY DRESSED INTO OPENING WITH FLEXIBLE FLASHING TAPE INSTALLED OVER WRAP TO CORNERS AT HEAD

AIRSEAL ON BACKING ROD TO RUN CONTINUOUSLY AROUND HEAD, SILL AND JAMB

TEMPORARY PACKER IF REQUIRED, REMOVED AFTER FIXING

WINDOW HEAD LINER

LINE OF WINDOW JAMB LINER BEHIND



20mm HORIZONTAL CAVITY BATTEN

METALCRAFT ESPAN™ VERTICAL CLADDING

EXTRA PERMEABLE WALL UNDERLAY OVER WINDOW HEAD FLASHING, SHOWN DASHED

MIN. 15mm GAP

DRIP EDGE TO CLADDING

MIN. 50mm COVER

MIN. 75mm WITHOUT HEM EDGE

5mm GAP

MIN. 10mm COVER

DIMENSION TO SUIT

SUGGEST MIN. 50mm

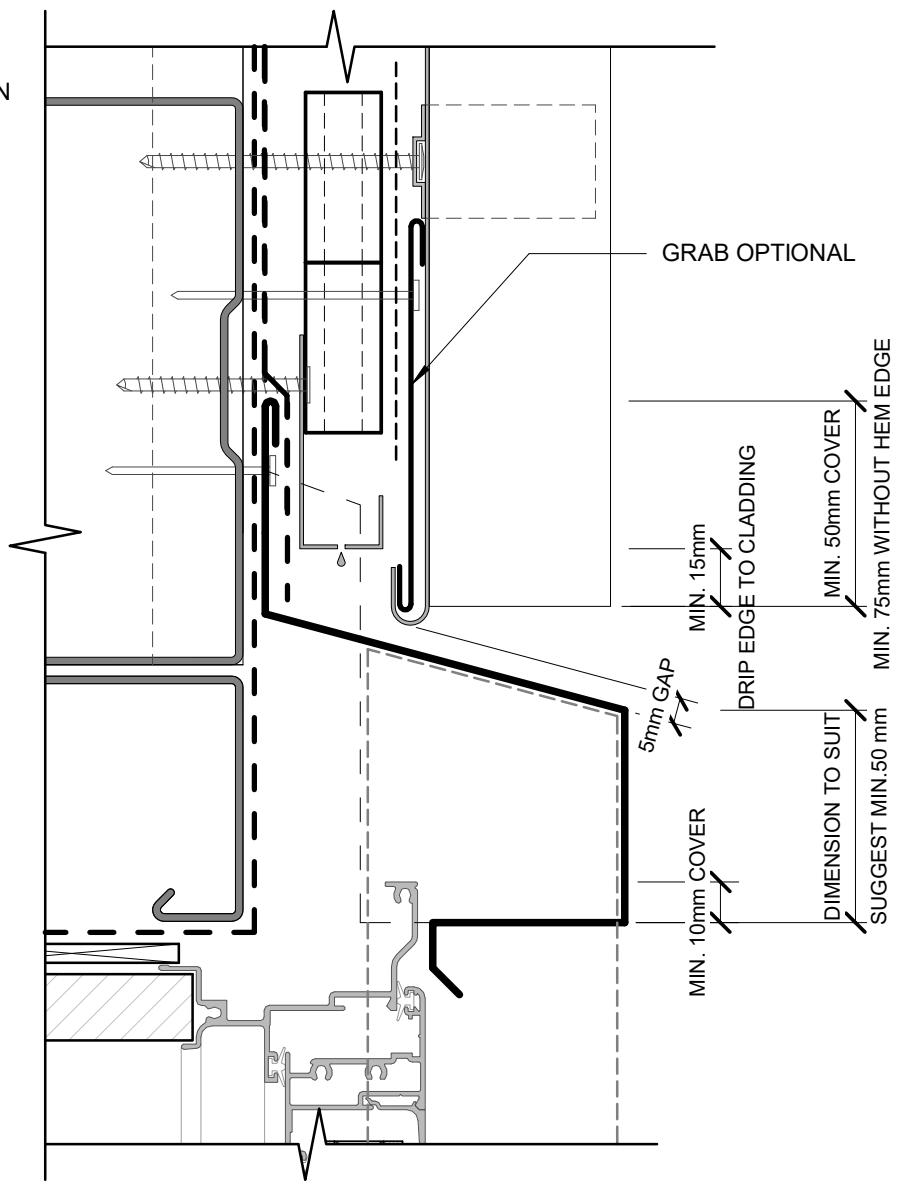
PRE-FINISHED WINDOW HEAD FLASHING WITH 15° FALL

STOPENDS TO HEAD FLASHING

DOUBLE GLAZING WINDOW JOINERY

LINE OF JAMB FLASHING BEHIND

**ALTERNATIVE OPTION**



GRAB OPTIONAL

MIN. 15mm

DRIP EDGE TO CLADDING

MIN. 50mm COVER

MIN. 75mm WITHOUT HEM EDGE

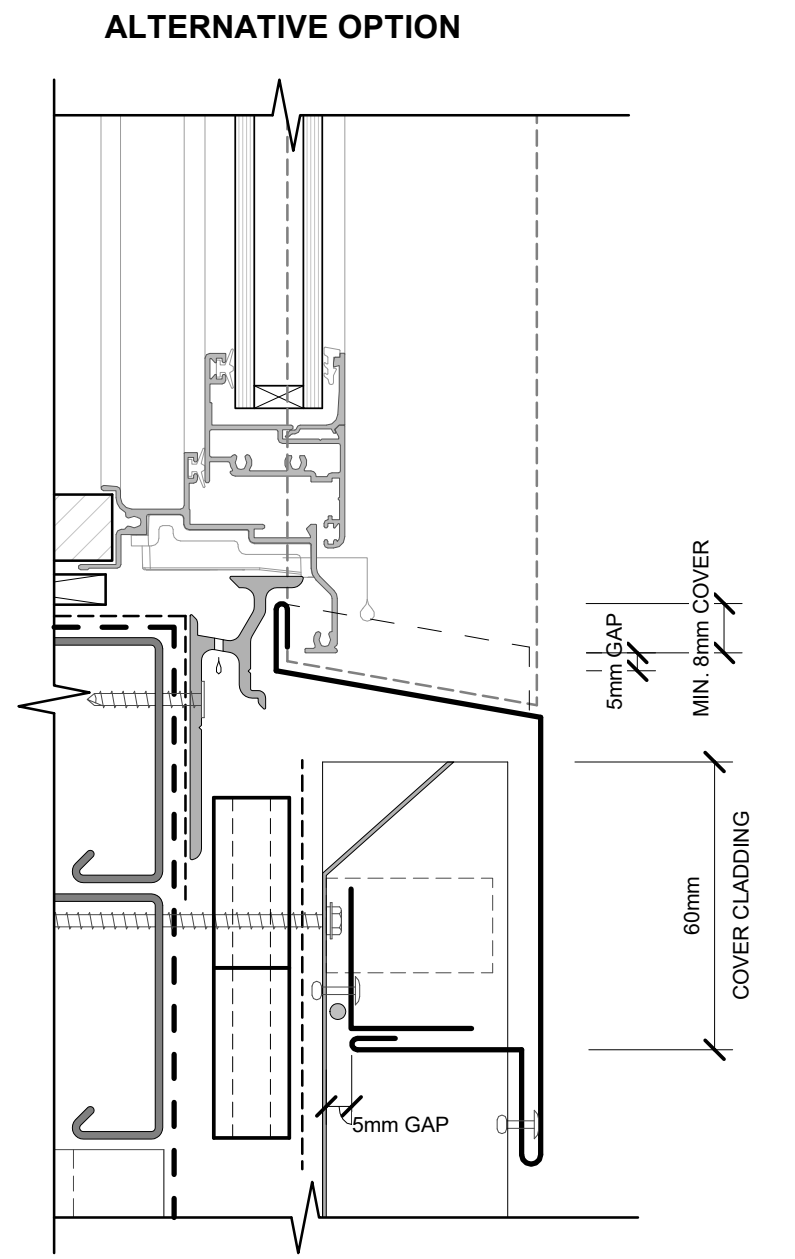
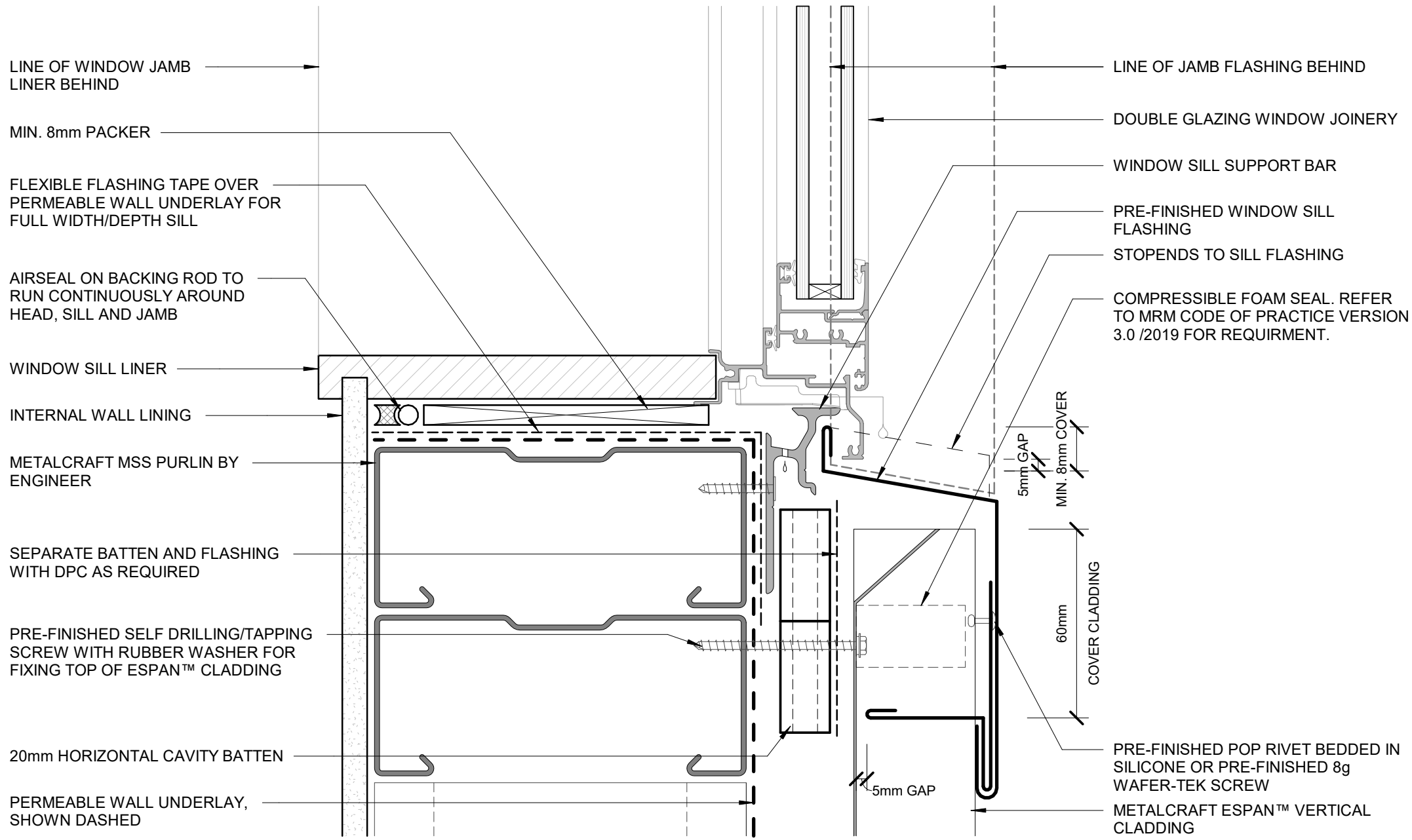
5mm GAP

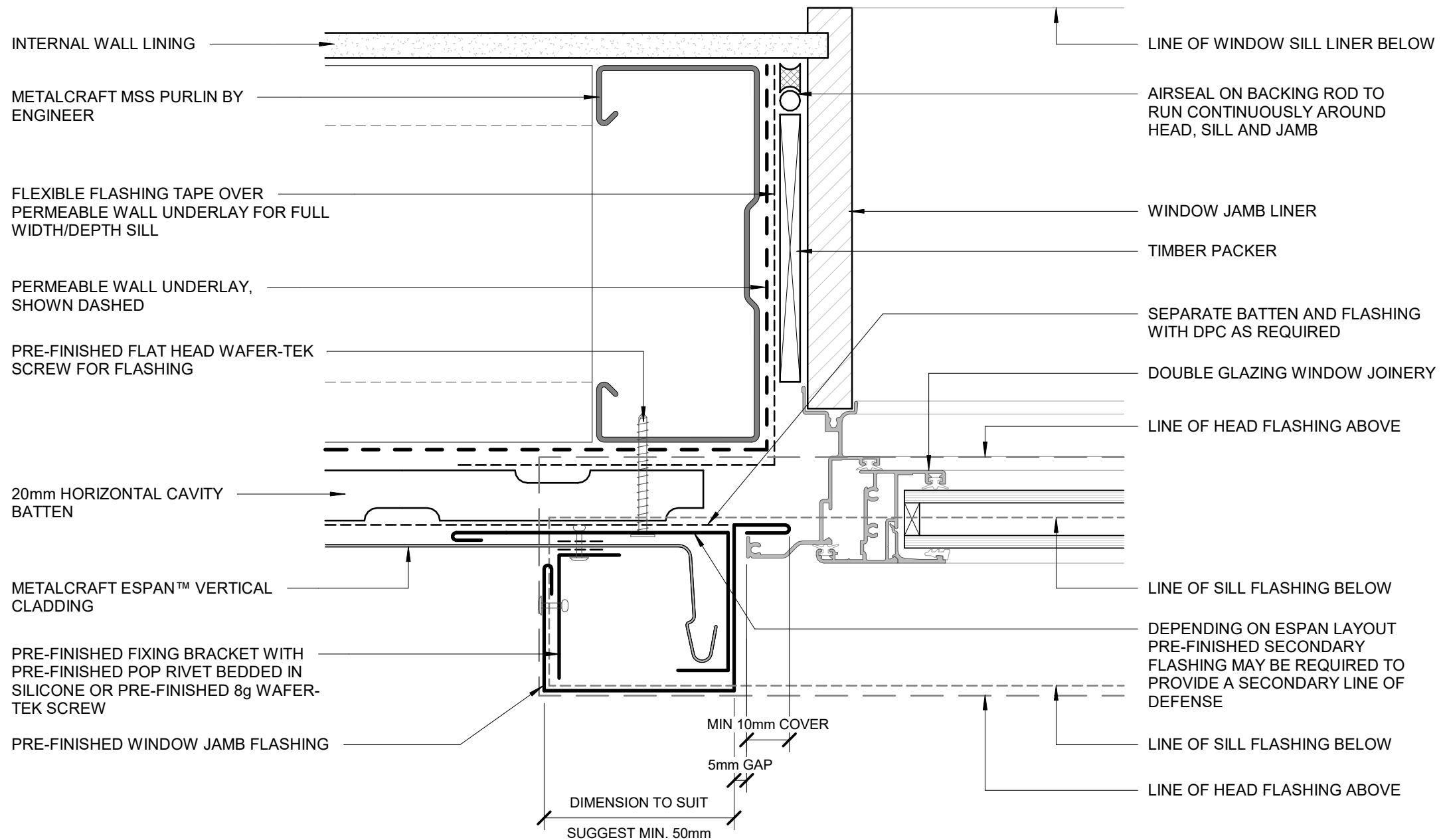
MIN. 10mm COVER

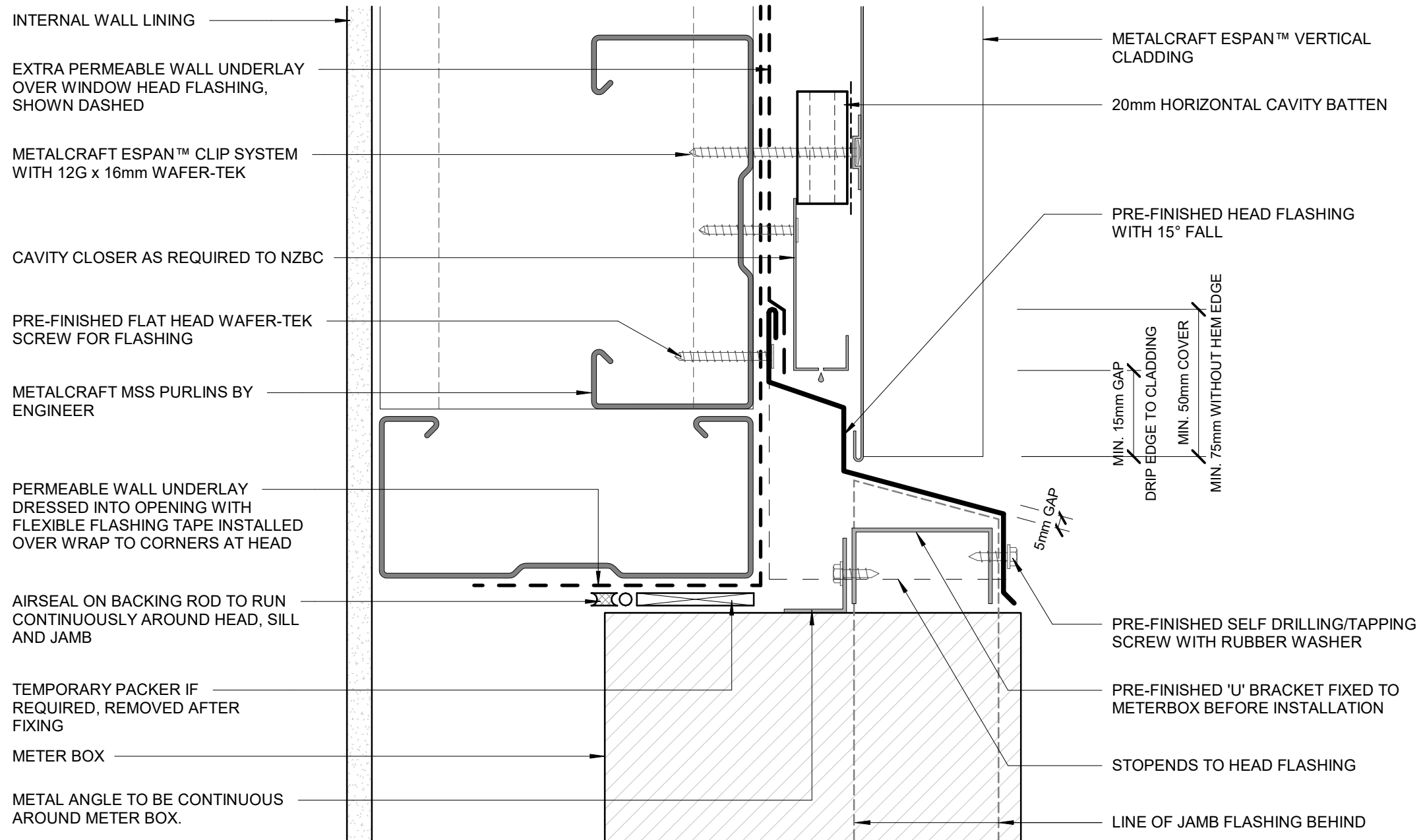
DIMENSION TO SUIT

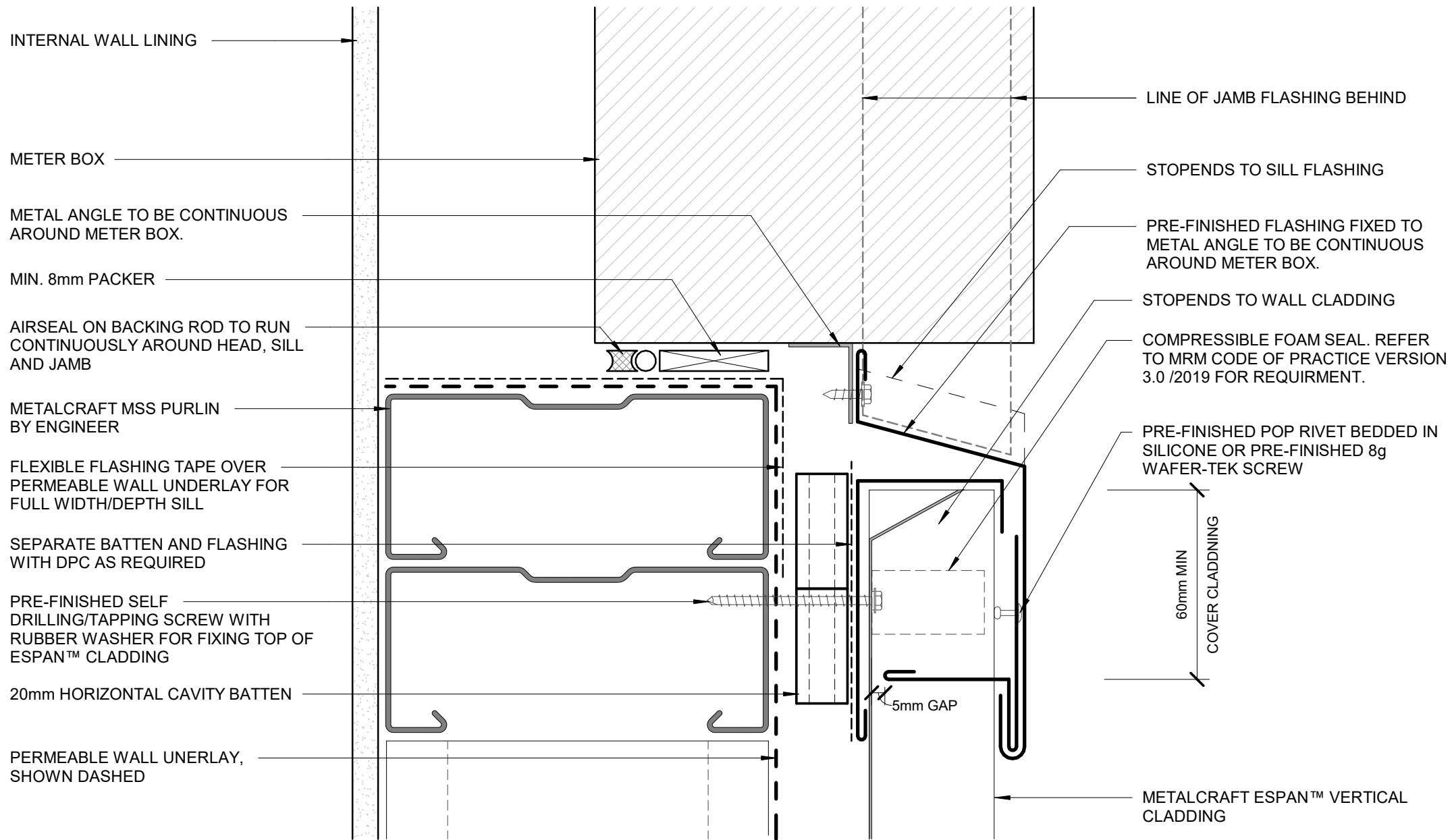
SUGGEST MIN. 50mm



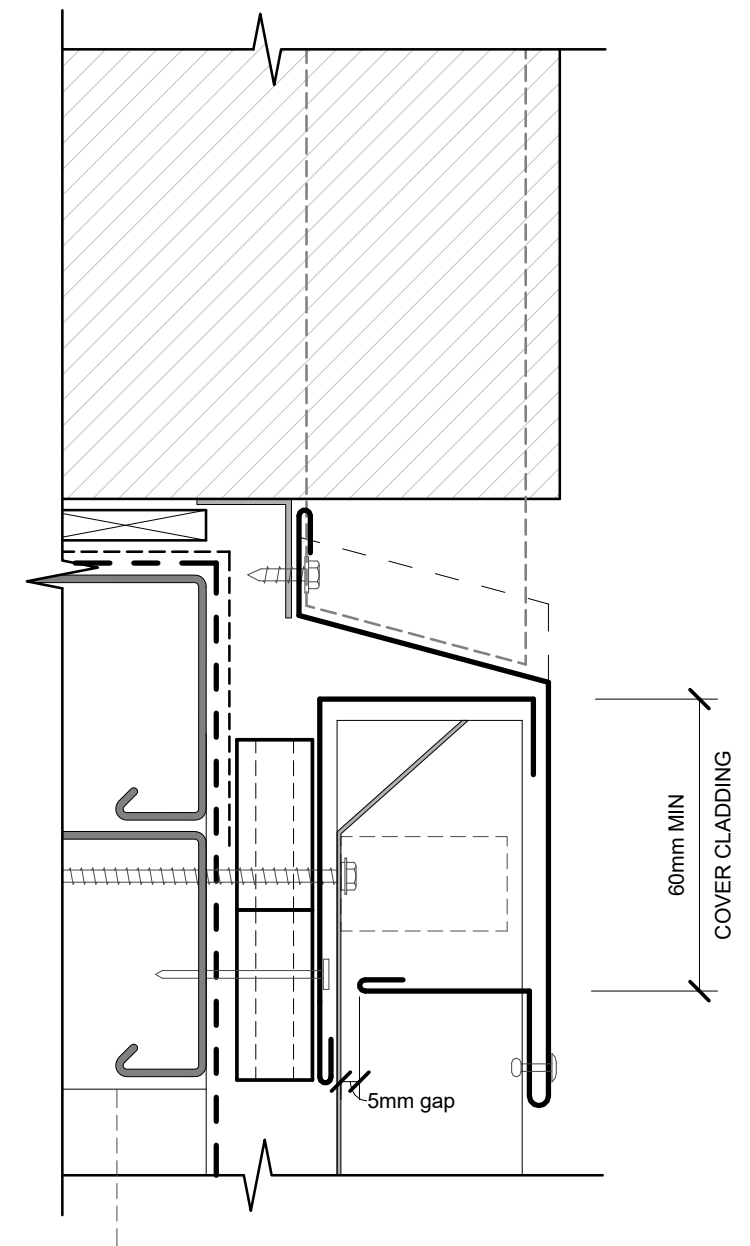


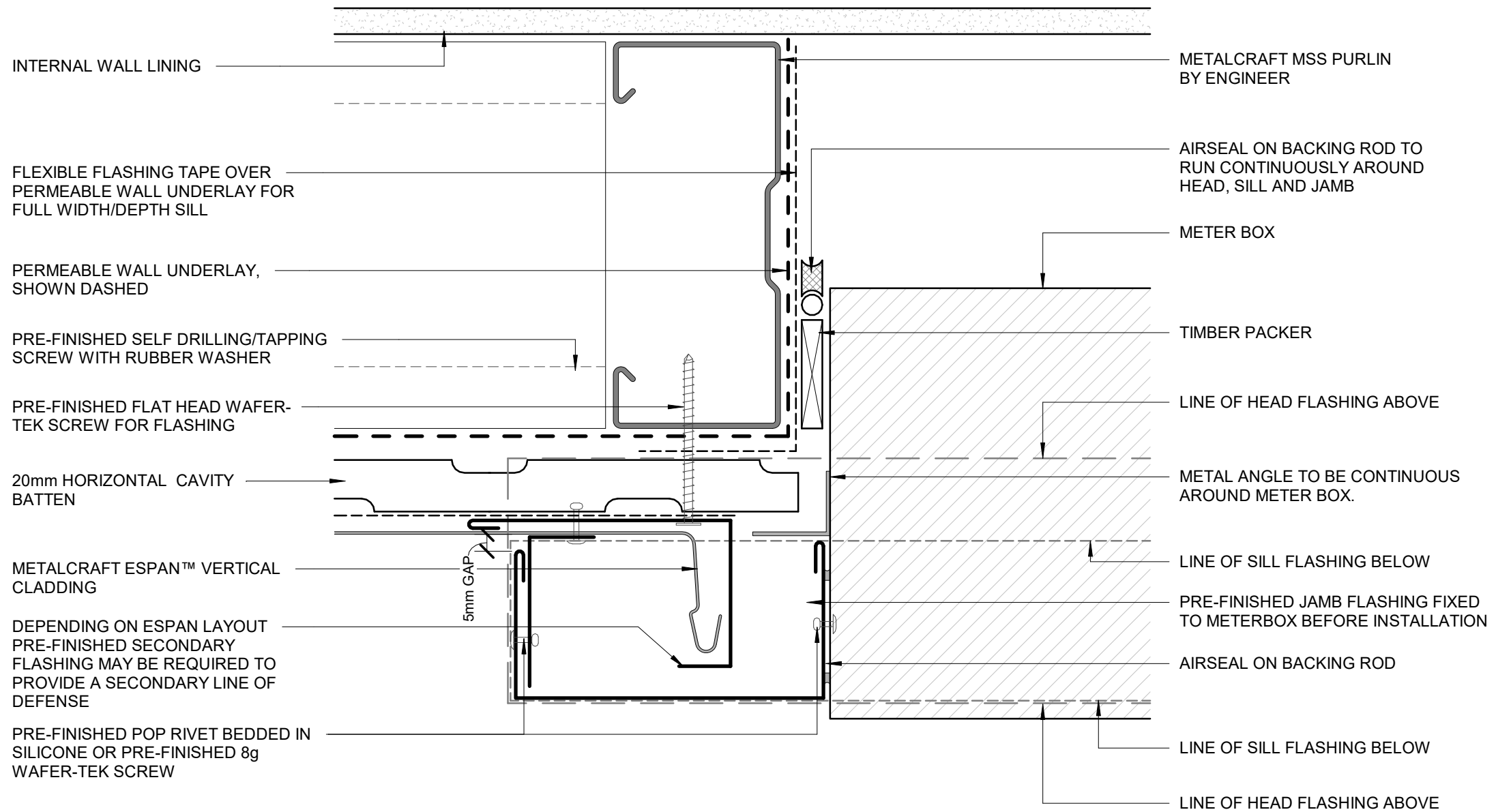


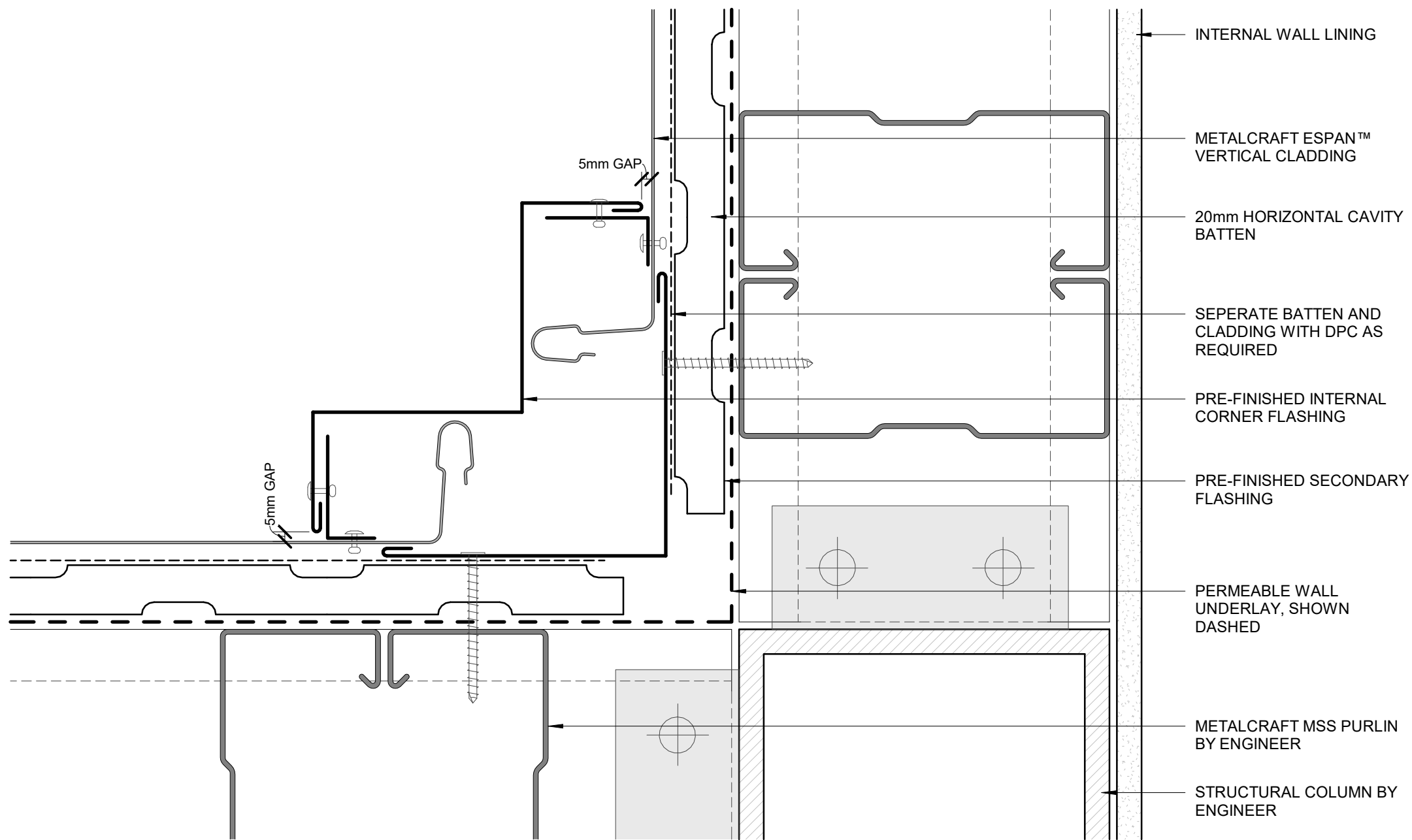




**ALTERNATIVE OPTION**







INTERNAL WALL LINING

METALCRAFT ESPAN™  
VERTICAL CLADDING

20mm HORIZONTAL CAVITY  
BATTEN

SEPERATE BATTEN AND  
CLADDING WITH DPC AS  
REQUIRED

PRE-FINISHED INTERNAL  
CORNER FLASHING

PRE-FINISHED SECONDARY  
FLASHING

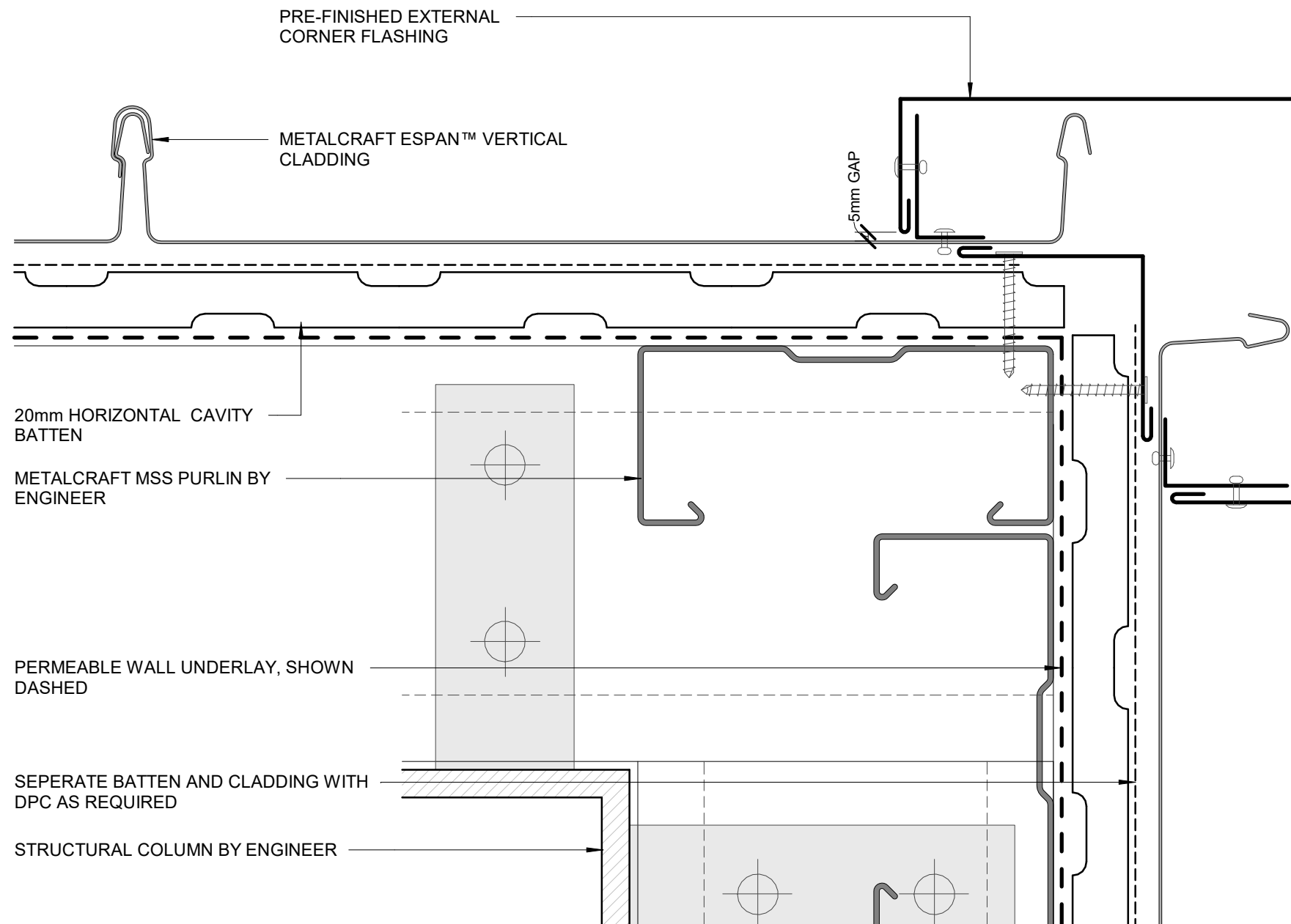
PERMEABLE WALL  
UNDERLAY, SHOWN  
DASHED

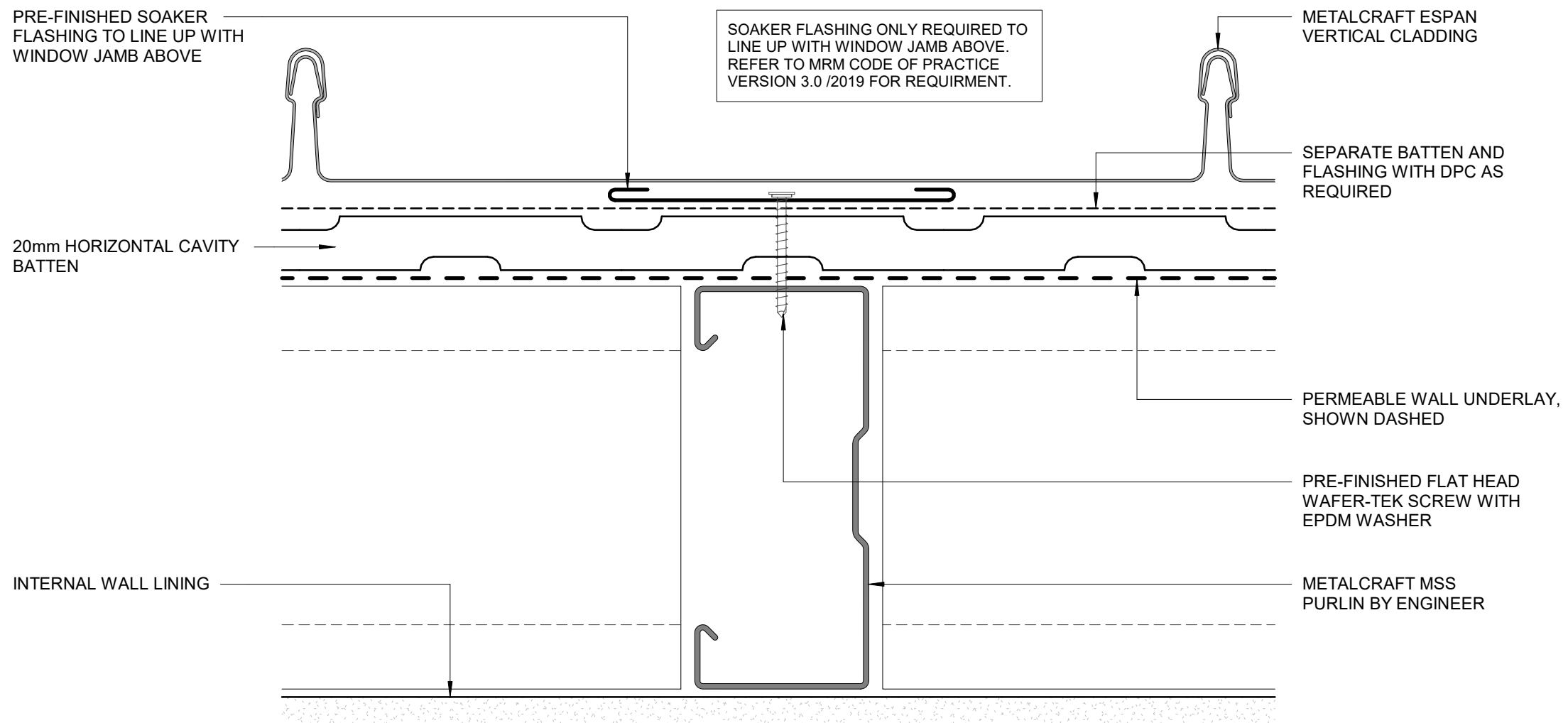
METALCRAFT MSS PURLIN  
BY ENGINEER

STRUCTURAL COLUMN BY  
ENGINEER

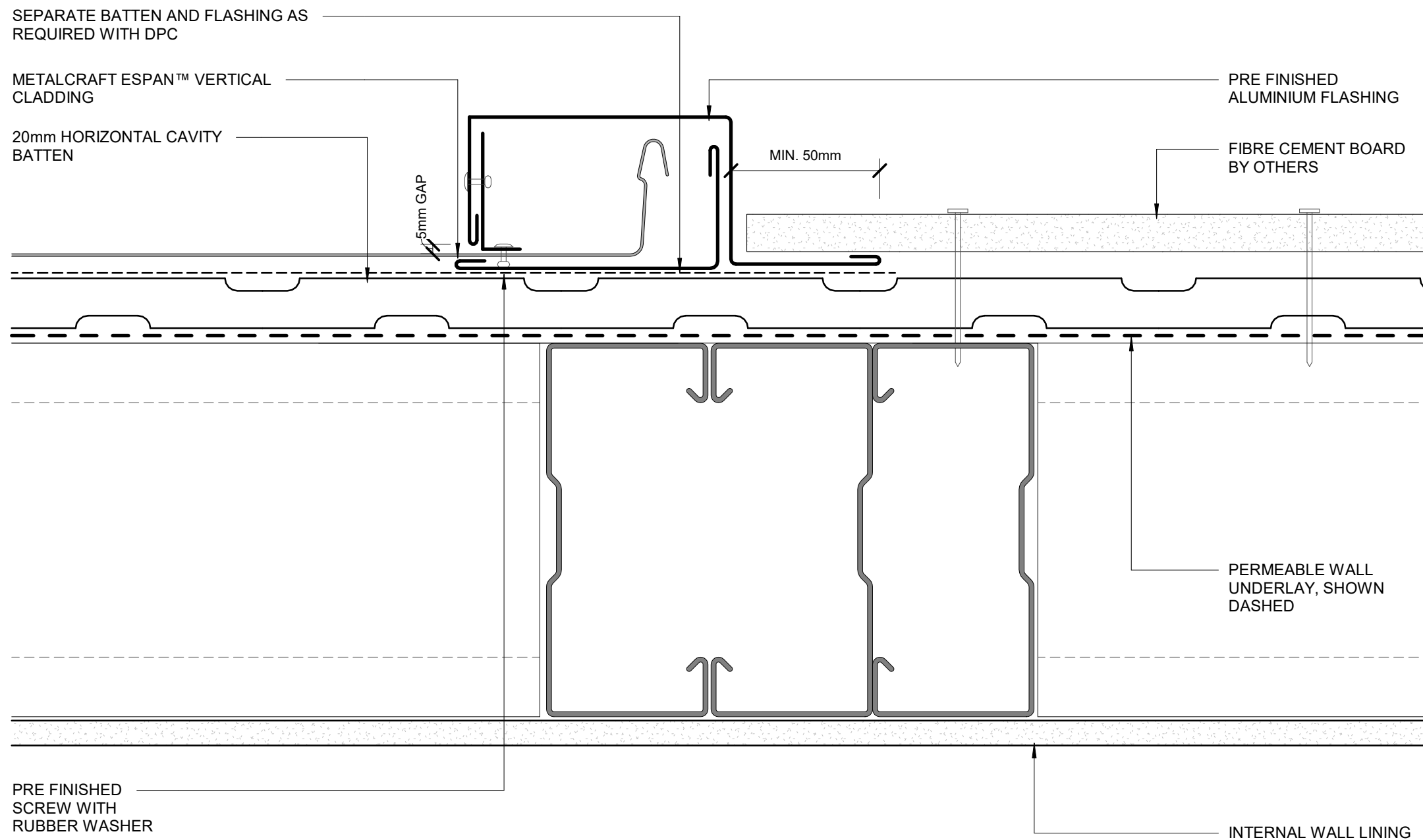
5mm GAP

5mm GAP









PRE FINISHED  
SCREW WITH  
RUBBER WASHER

INTERNAL WALL LINING

**DISCLAIMER:**  
All details are to be used for indicative purposes only and the designer should consult both the MRM code of practice version 3.0 / 2019, E2 and all other relevant building codes. Details of the supporting mechanisms are indicative only. Compliance of the supporting mechanisms is the responsibility of the designer. Construction detail can vary for wall cladding. The underlay is detailed as a single line for simplicity and is indicative only. Building paper type and method of installation should comply with underlay manufacturers recommendations and NZBC regulations.

METALCRAFT ESPAN™ VERTICAL CLADDING

20mm HORIZONTAL CAVITY BATTENS

PRE FINISHED SCREW WITH RUBBER WASHER

INTERNAL WALL LINING

CONCRETE WALL BY OTHERS

MASTIC BEAD

RAWPLUG

PRE-FINISHED POP RIVET BEDDED IN SILICONE

SEPARATE BATTEN AND FLASHING AS REQUIRED WITH DPC

WALL FRAMING

DPC

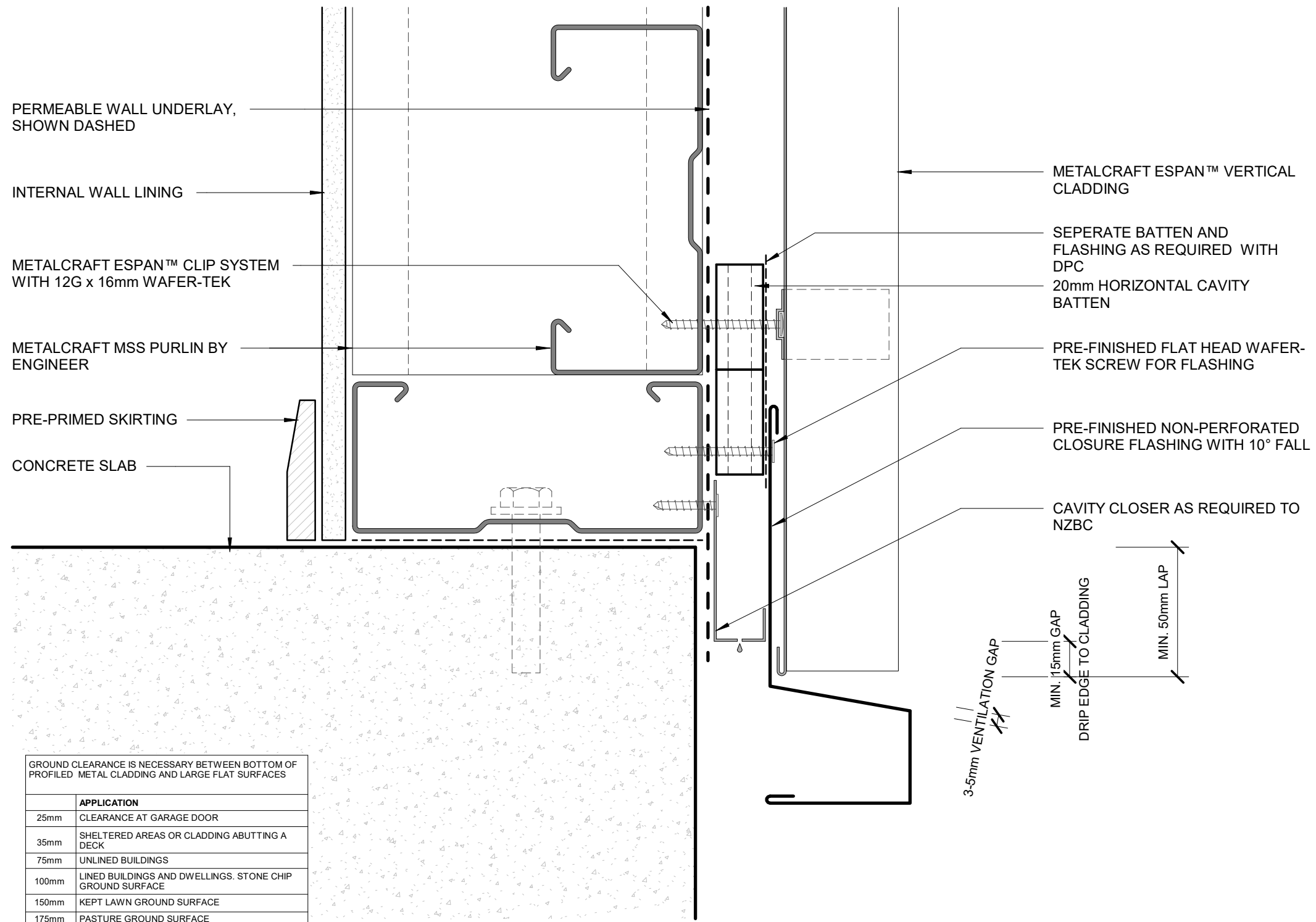
PERMEABLE WALL UNDERLAY, SHOWN DASHED

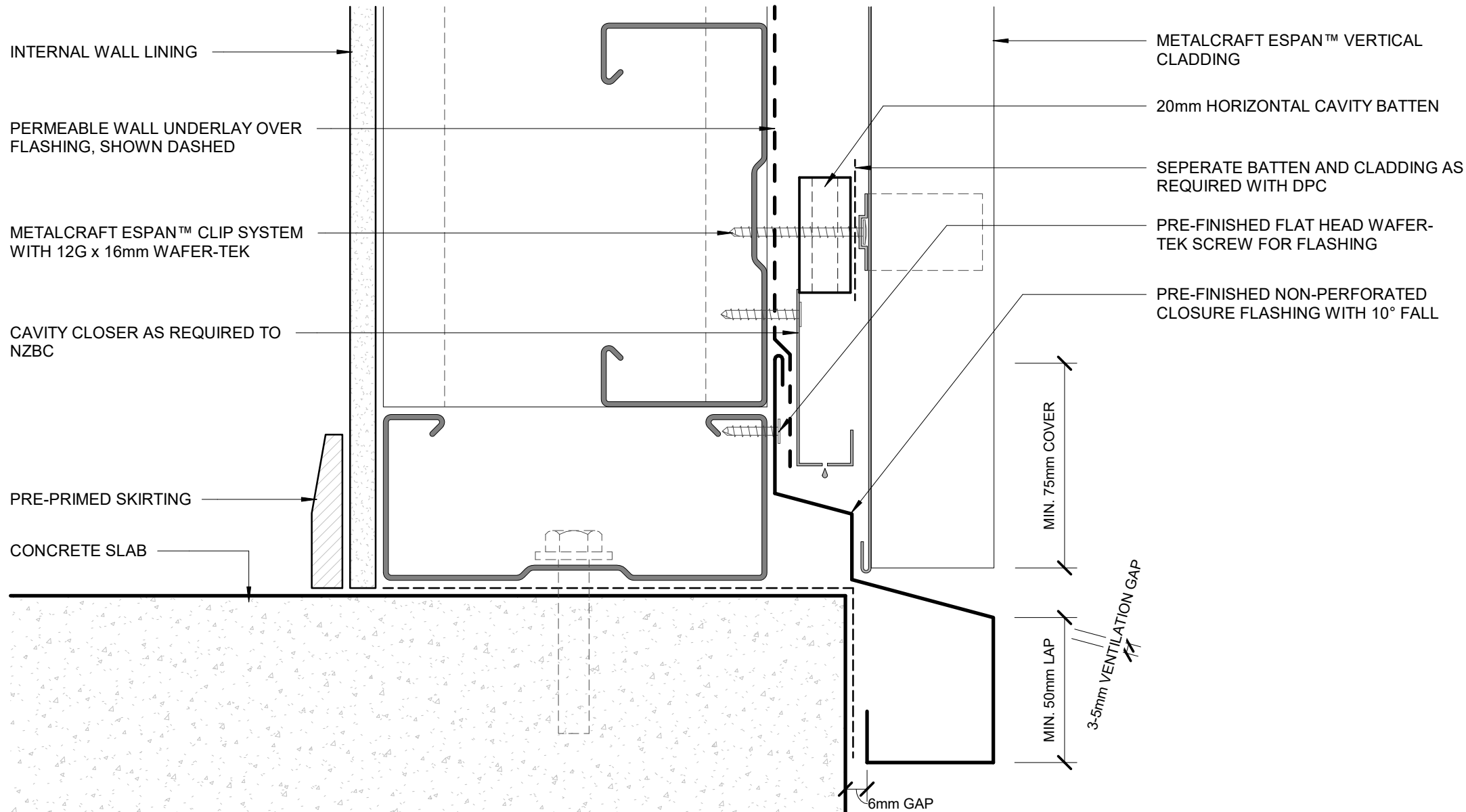
ALTERNATIVE OPTION

PRE FINISHED ALUMINIUM FLASHING

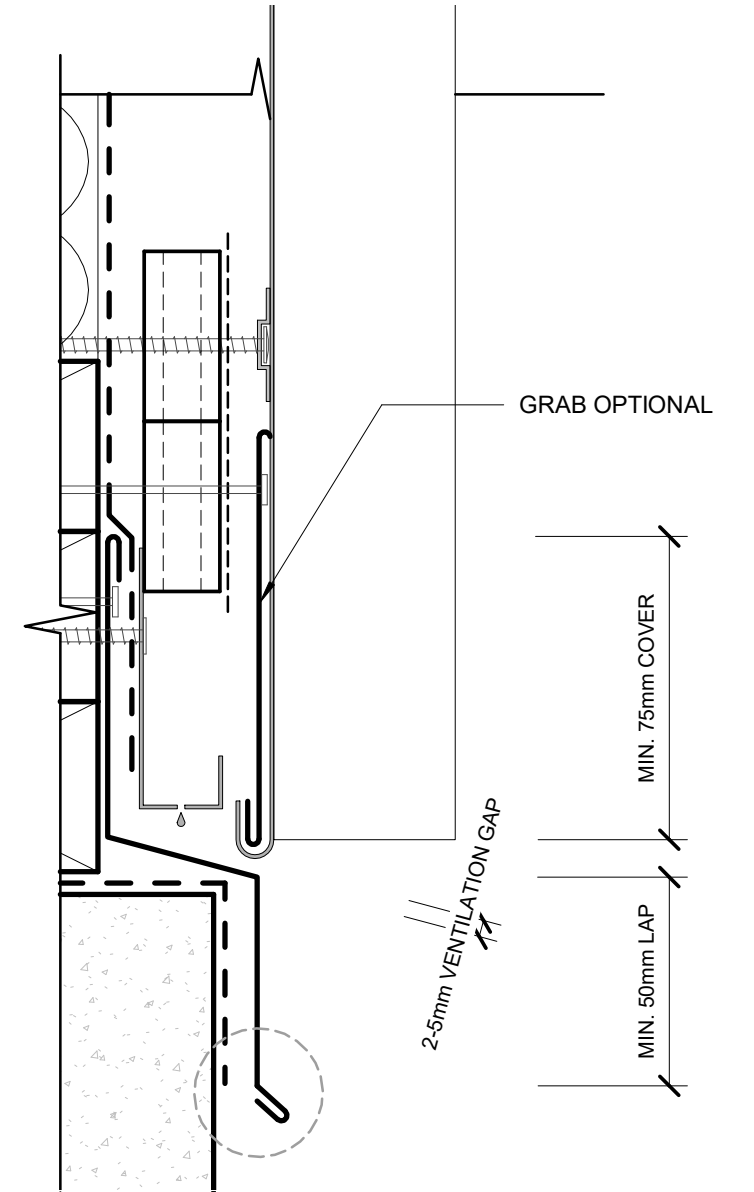
CONTINUOUS AIR SEAL ON BACKING ROD

PRE-FINISHED SECONDARY FLASHING





**ALTERNATIVE OPTION**



INTERNAL WALL LINING

PERMEABLE WALL UNDERLAY OVER FLASHING, SHOWN DASHED

METALCRAFT ESPAN™ CLIP SYSTEM WITH 12G x 16mm WAFER-TEK

CAVITY CLOSER AS REQUIRED TO NZBC

PRE-PRIMED SKIRTING

CONCRETE SLAB

METALCRAFT ESPAN™ VERTICAL CLADDING

20mm HORIZONTAL CAVITY BATTEN

SEPERATE BATTEN AND CLADDING AS REQUIRED WITH DPC

PRE-FINISHED FLAT HEAD WAFER-TEK SCREW FOR FLASHING

PRE-FINISHED NON-PERFORATED CLOSURE FLASHING WITH 10° FALL

MIN. 75mm COVER

MIN. 50mm LAP

3-5mm VENTILATION GAP

6mm GAP

GRAB OPTIONAL

MIN. 75mm COVER

MIN. 50mm LAP

2-5mm VENTILATION GAP

GROUND CLEARANCE IS NECESSARY BETWEEN BOTTOM OF PROFILED METAL CLADDING AND LARGE FLAT SURFACES

APPLICATION	
25mm	CLEARANCE AT GARAGE DOOR
35mm	SHELTERED AREAS OR CLADDING ABUTTING A DECK
75mm	UNLINED BUILDINGS
100mm	LINED BUILDINGS AND DWELLINGS. STONE CHIP GROUND SURFACE
150mm	KEPT LAWN GROUND SURFACE
175mm	PASTURE GROUND SURFACE

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**RECESSED WINDOW FLASHINGS**

