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

# **COMMERCIAL VERTICAL CLADDING**

DETAIL LIST		<b>Revision</b>	Date
E 01	PARAPET AND BALUSTRADE CAPPING	2.0	JAN 2023
E 02	SCUPPER W/ RAINWATER HEAD	2.0	JAN 2023
E 03	SOFFIT	2.0	JAN 2023
E 04	BUTT WINDOW HEAD	2.0	JAN 2023
E 05	BUTT WINDOW SILL	2.0	JAN 2023
E 06	BUTT WINDOW JAMB	2.0	JAN 2023
E 07	RECESSED WINDOW HEAD	2.0	JAN 2023
E 08	RECESSED WINDOW SILL	2.0	JAN 2023
E 09	RECESSED WINDOW JAMB	2.0	JAN 2023
E 10	METERBOX HEAD	2.0	JAN 2023
E 11	METERBOX SILL	2.0	JAN 2023
E 12	METERBOX JAMB	2.0	JAN 2023
E 13	INTERNAL CORNER	2.0	JAN 2023
E 14	EXTERNAL CORNER	2.0	JAN 2023
E 15	SOAKER FLASHING	2.0	JAN 2023
E 16	CHANGE IN CLADDING	2.0	JAN 2023
E 17	CLADDING ABUTMENT	2.0	JAN 2023
E 18	BOTTOM OF CLADDING (FLUSH)	2.0	JAN 2023
E 19	BOTTOM OF CLADDING (RECESSED)	2.0	JAN 2023
E 20	3D WINDOW FLASHINGS	2.0	JAN 2023
E 21	3D RAINWATER HEAD	2.0	JAN 2023



#### ACCEPTABLE SOL

SITUATION 1

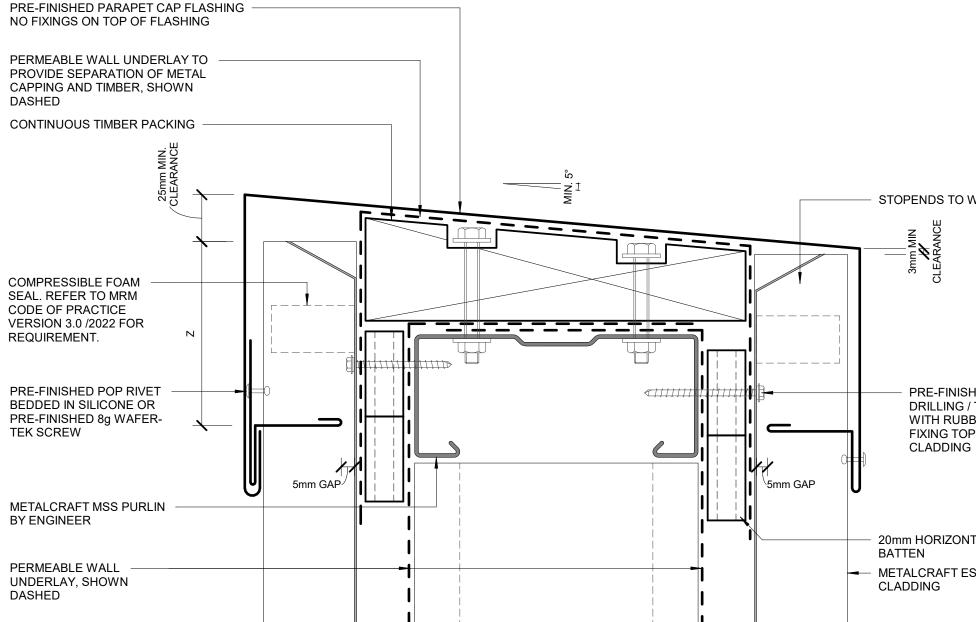
1. LOW, MEDIUM, HIGH WI WHERE ROOF PITCH ≥ 10°

Ζ MIN. 50mm

#### ALTERNATIVE SOL

CATEGORY A

- 1. NORMAL EXPOSURE 2. ROOF PITCH >10°
- MIN. 50mm (VERTICALLY
  - MIN. 75mm (VERTICALLY





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 / 2022, 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.

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

Reference CVEP

LUTION AS PER E2/ASI				
	SITUATION 2	SITUATION 3		
WIND ZONES, 10°	1. ALL ROOF PITCHES IN VERY HIGH WIND ZONE 2. LOW, MEDIUM, HIGH WIND ZONES WHERE ROOF PITCH ≤ 10°	1. FOR ALL ROOF PITCHES IN EXTRA HIGH WIND ZONES		
	MIN. 70mm	MIN. 90mm		

LUTION AS PER MRM CODE OF PRACTICE				
	CATEGORY B			
	1. EXPOSED (HIGHER RISK) & WIND LOAD EXCEEDS 1.5 kPa. 2. ROOF PITCH <10°			
Y DOWN FACE - SMOOTH)	MIN. 75mm (VERTICALLY DOWN FACE - SMOOTH)			
Y DOWN FACE - PROFILED)	MIN. 100mm (VERTICALLY DOWN FACE - PROFILED)			

#### STOPENDS TO WALL CLADDING

PRE-FINISHED SELF DRILLING / TAPPING SCREW WITH RUBBER WASHER FOR FIXING TOP OF ESPAN™

#### 20mm HORIZONTAL CAVITY

METALCRAFT ESPAN™ VERTICAL

#### PARAPET AND BALUSTRADE CAPPING COMMERCIAL VERTICAL CLADDING Rev. 2.0

Date JAN 2023



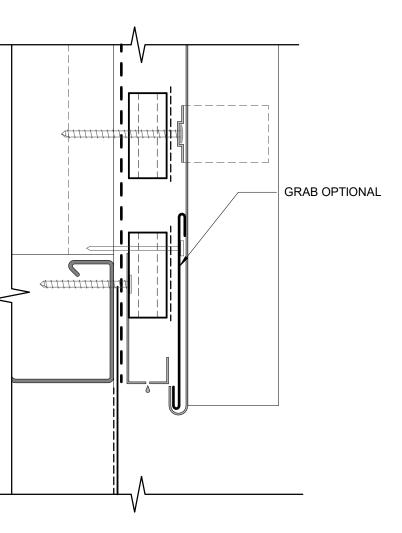


Espan 340<sup>®</sup> / 470<sup>®</sup>

20mm HORIZONTAL CAVITY BATTEN

METALCRAFT ESPAN™ CLIP SYSTEM ATTITT WITH 12G x 16mm WAFERTEK SEPARATE BATTEN AND METALCRAFT ESPAN™ VERTICAL CLADDING AS CLADDING REQUIRED WITH DPC PERMEABLE WALL CONTINUOUS MEMBRANE UNDERLAY, SHOWN DRESSED THROUGH BASE AND DASHED UP SIDES OF OPENING WITH 1 UPPER EDGES SEALED **AIIIII** 8g WAFER-TEK SCREW 11111111D AGAINST CLADDING. RETURN ALONG BACK OF RAINWATERHEAD WALL FRAMING RETURN MEMBRANE INTO RAINWATER HEAD RAINWATER HEAD CAVITY CLOSER TRUE ROOF LINE BEHIND 50 mm RAINWATER HEAD 25 OVERFLOW BELOW OPEINING LEVEL, 1.5 x CROSS-SECTION DOWNPIPE DIAMETER MEMBRANE ON ROOF SUBSTRATE RETURN MEMBRANE AT END OF LIP METALCRAFT ESPAN™ VERTICAL PRE FINISHED SCREW CLADDING WITH RUBBER WASHER

#### ALTERNATIVE OPTION



SCUPPER W/ RAINWATER HEAD COMMERCIAL VERTICAL CLADDING

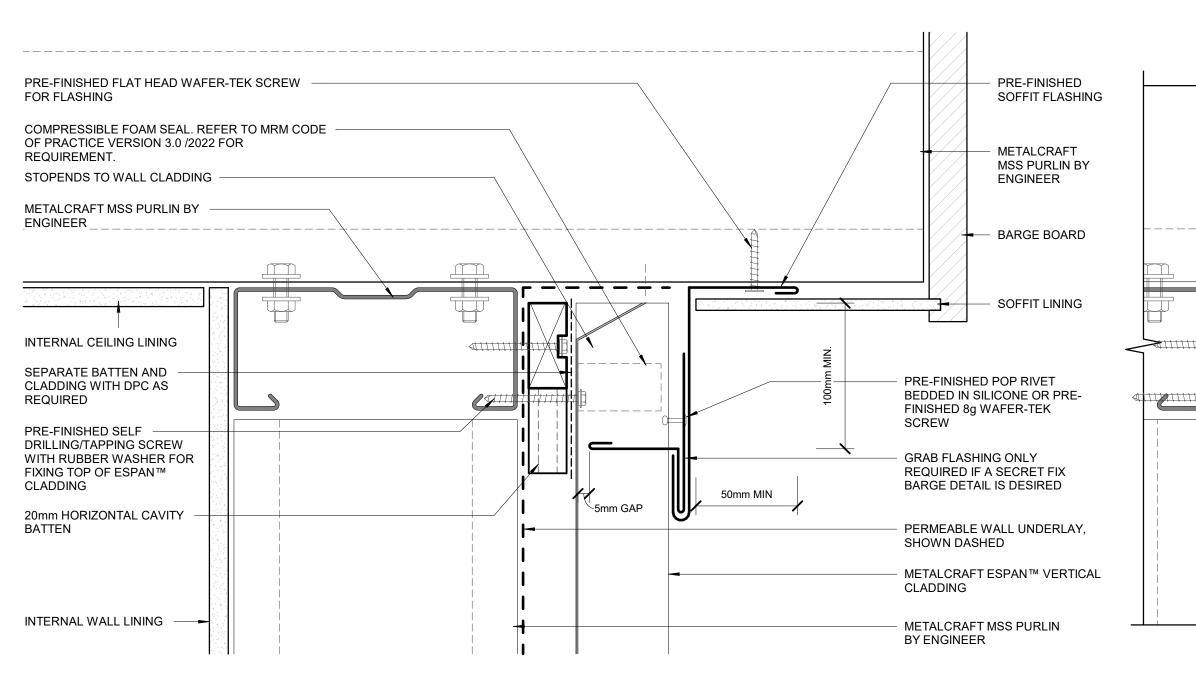
Rev. 2.0

Scale 1 : 2

Sheet

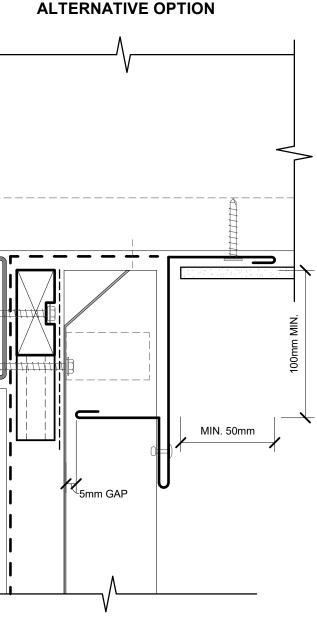
E 02

Date JAN 2023





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



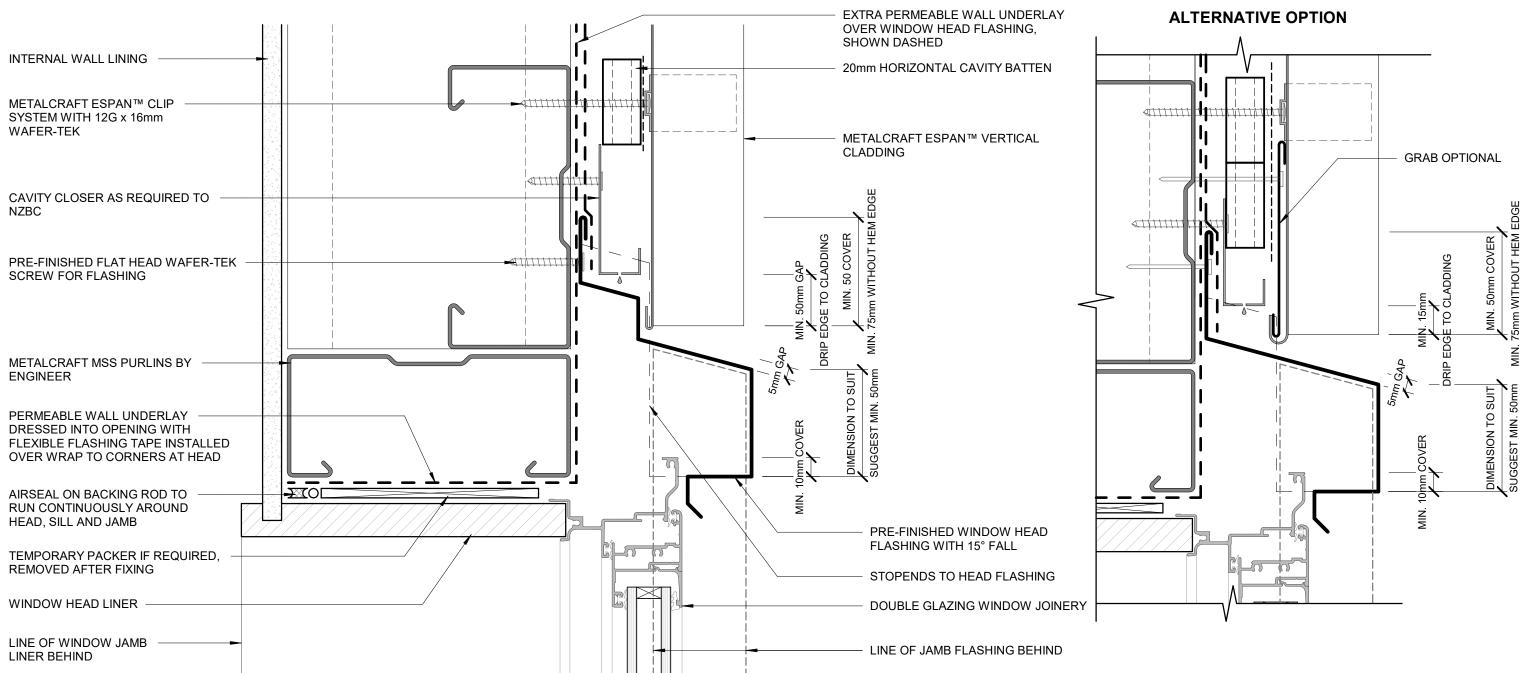
SOFFIT COMMERCIAL VERTICAL CLADDING

Rev. 2.0

Date JAN 2023

Scale 1 : 2

```
Sheet
```





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

Reference CVEP

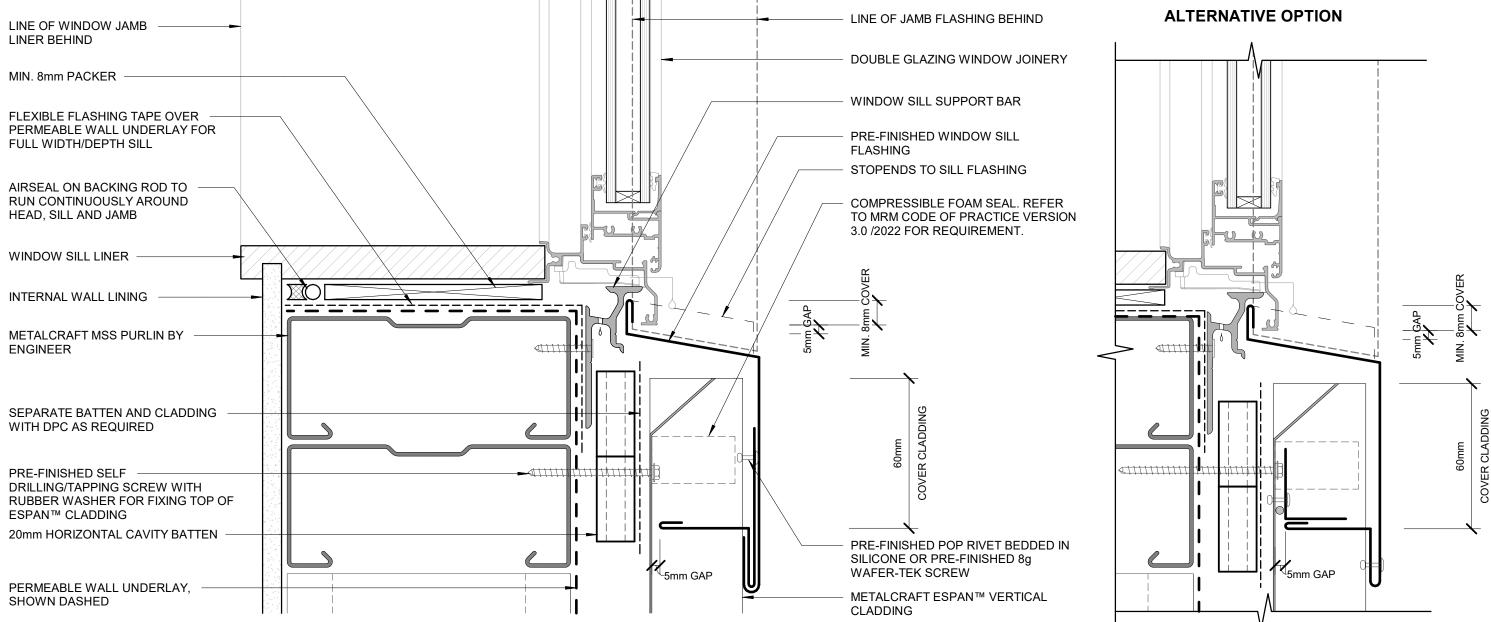
#### **BUTT WINDOW HEAD** COMMERCIAL VERTICAL CLADDING

Rev. 2.0

Scale 1:2

```
Sheet
```

E 04





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

Reference CVEP

#### **BUTT WINDOW SILL** COMMERCIAL VERTICAL CLADDING

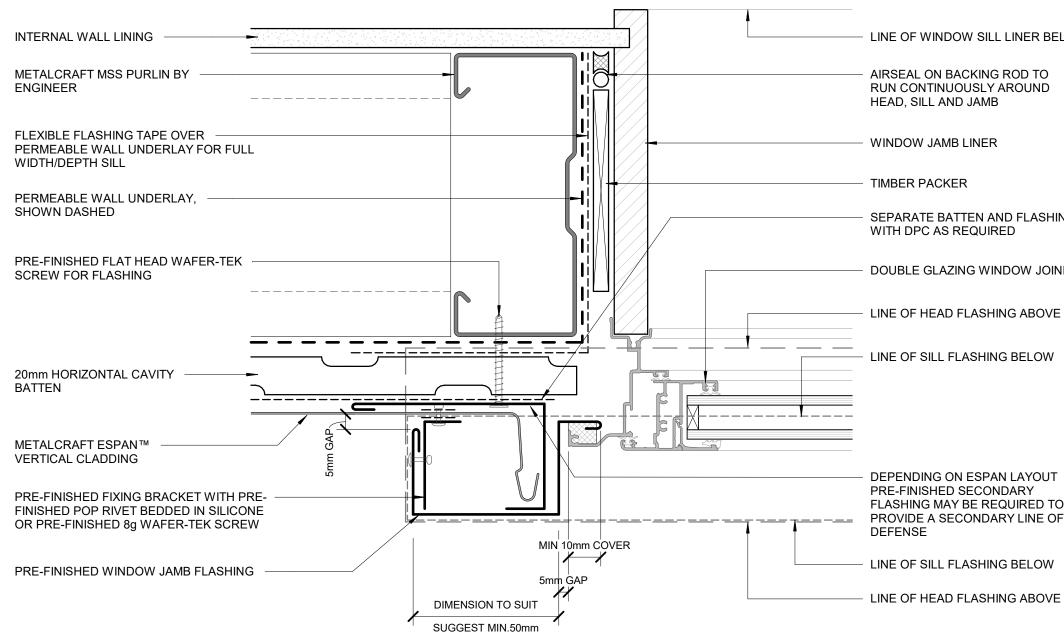
Rev. 2.0

Date JAN 2023

Scale 1:2

```
Sheet
```

E 05





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

Reference CVEP

LINE OF WINDOW SILL LINER BELOW

SEPARATE BATTEN AND FLASHING

DOUBLE GLAZING WINDOW JOINERY

FLASHING MAY BE REQUIRED TO PROVIDE A SECONDARY LINE OF

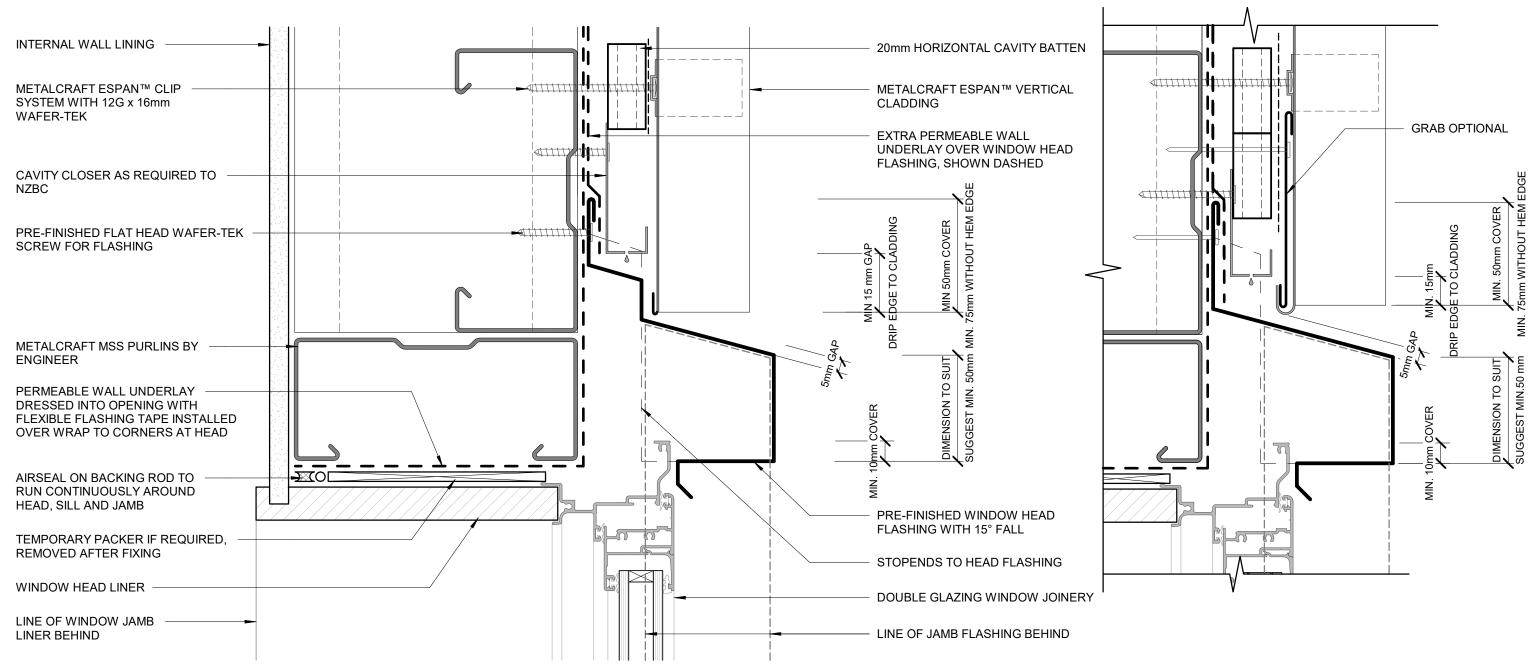
#### **BUTT WINDOW JAMB** COMMERCIAL VERTICAL CLADDING

Rev. 2.0

Date JAN 2023

Scale 1:2

E 06





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

Reference CVEP

## **ALTERNATIVE OPTION**

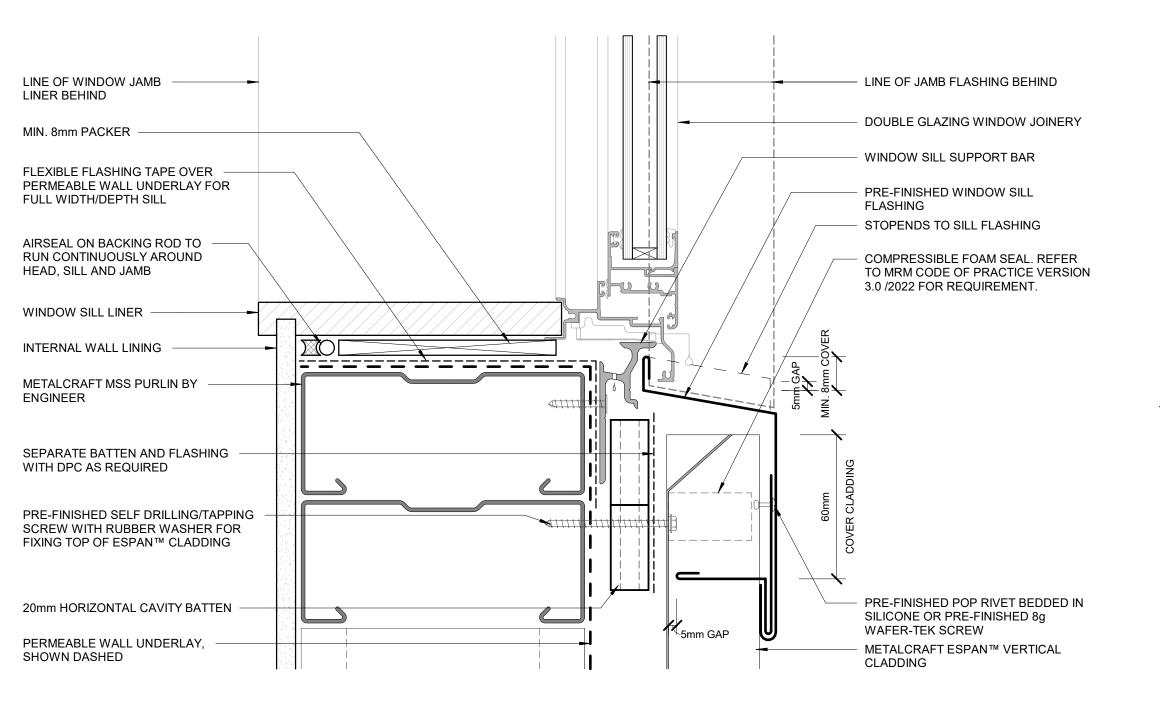
#### **RECESSED WINDOW HEAD** COMMERCIAL VERTICAL CLADDING

Rev. 2.0

Date JAN 2023

Scale 1:2

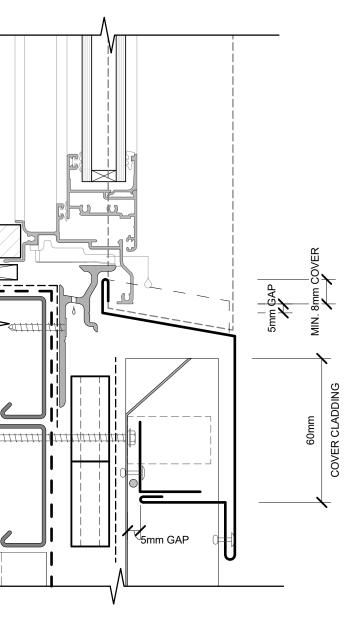
E 07





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

Reference CVEP



#### **ALTERNATIVE OPTION**

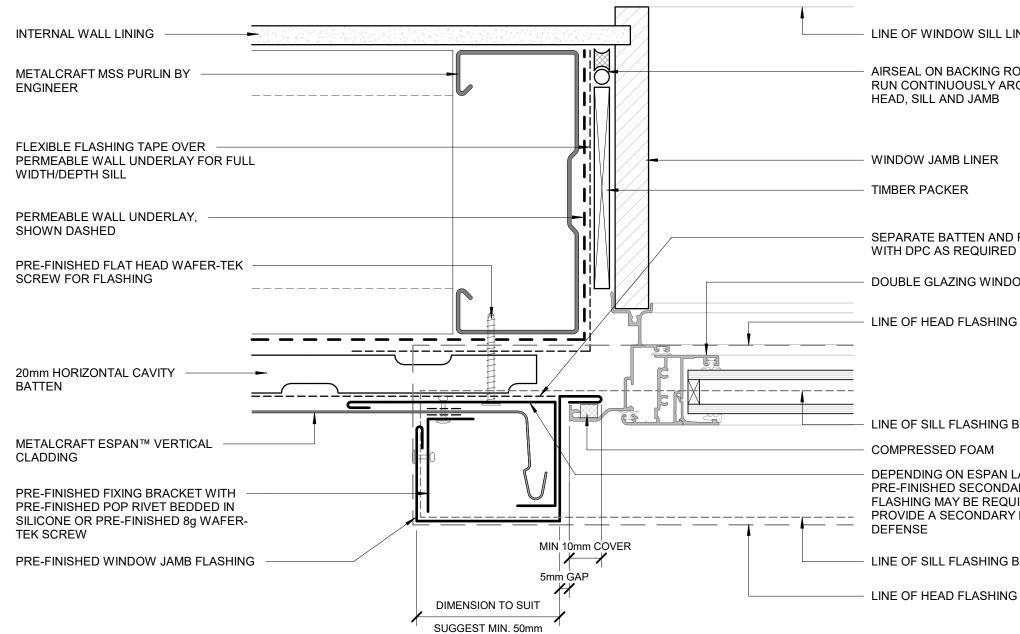
RECESSED WINDOW SILL COMMERCIAL VERTICAL CLADDING

Rev. 2.0

Date JAN 2023 S

Scale 1 : 2

E 08





Reference CVEP

LINE OF WINDOW SILL LINER BELOW

AIRSEAL ON BACKING ROD TO RUN CONTINUOUSLY AROUND

SEPARATE BATTEN AND FLASHING

DOUBLE GLAZING WINDOW JOINERY

LINE OF HEAD FLASHING ABOVE

LINE OF SILL FLASHING BELOW

DEPENDING ON ESPAN LAYOUT PRE-FINISHED SECONDARY FLASHING MAY BE REQUIRED TO PROVIDE A SECONDARY LINE OF

LINE OF SILL FLASHING BELOW

LINE OF HEAD FLASHING ABOVE

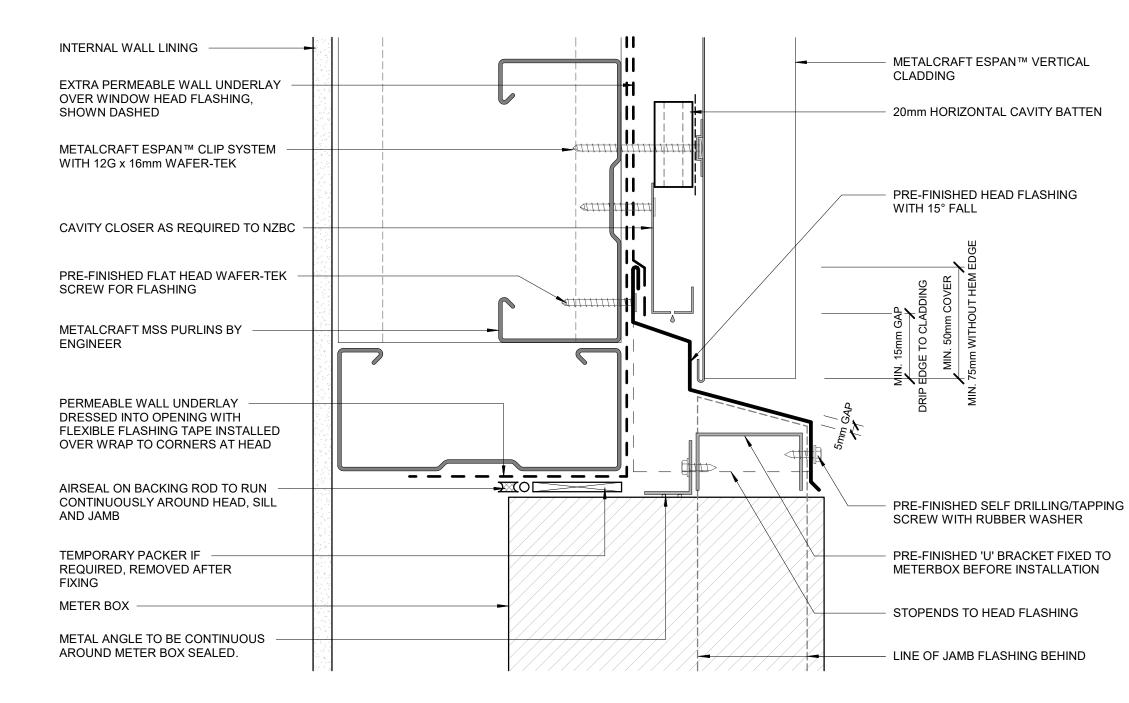
#### RECESSED WINDOW JAMB COMMERCIAL VERTICAL CLADDING

Rev. 2.0

Date JAN 2023

Scale 1:2

E 09





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

Reference CVEP

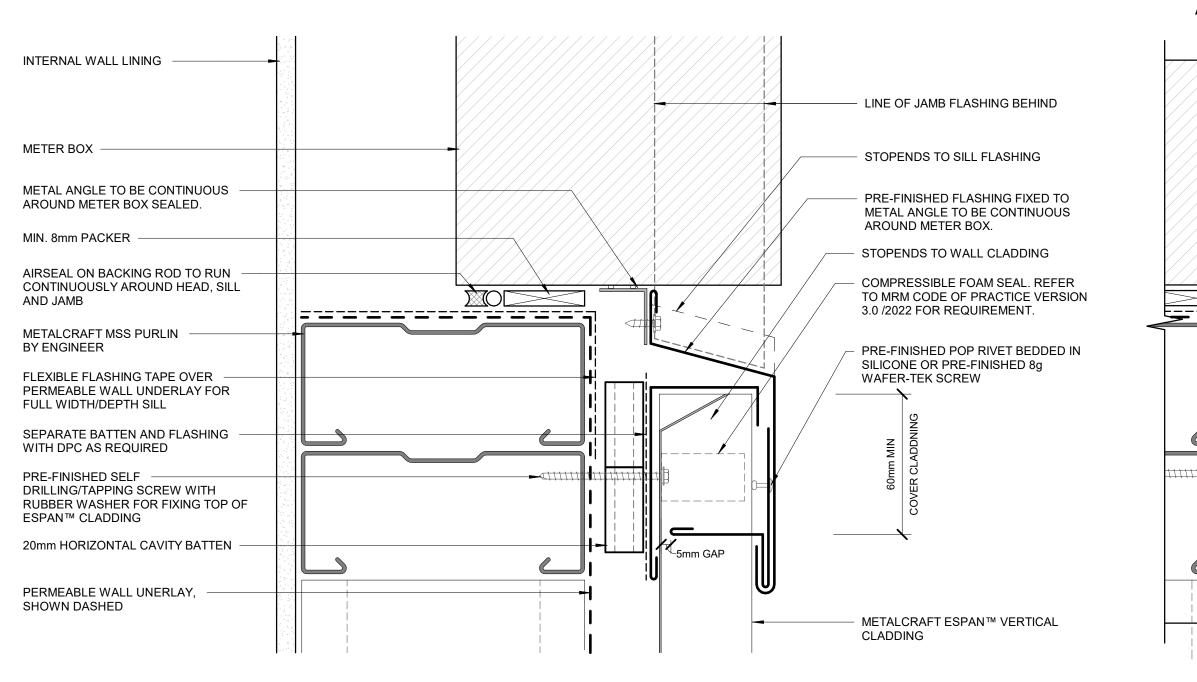
Rev. 2.0

#### METERBOX HEAD COMMERCIAL VERTICAL CLADDING

Date JAN 2023

Scale 1:2

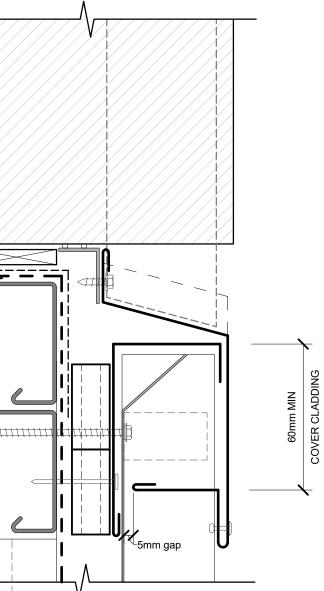
Sheet





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

Reference CVEP



### ALTERNATIVE OPTION

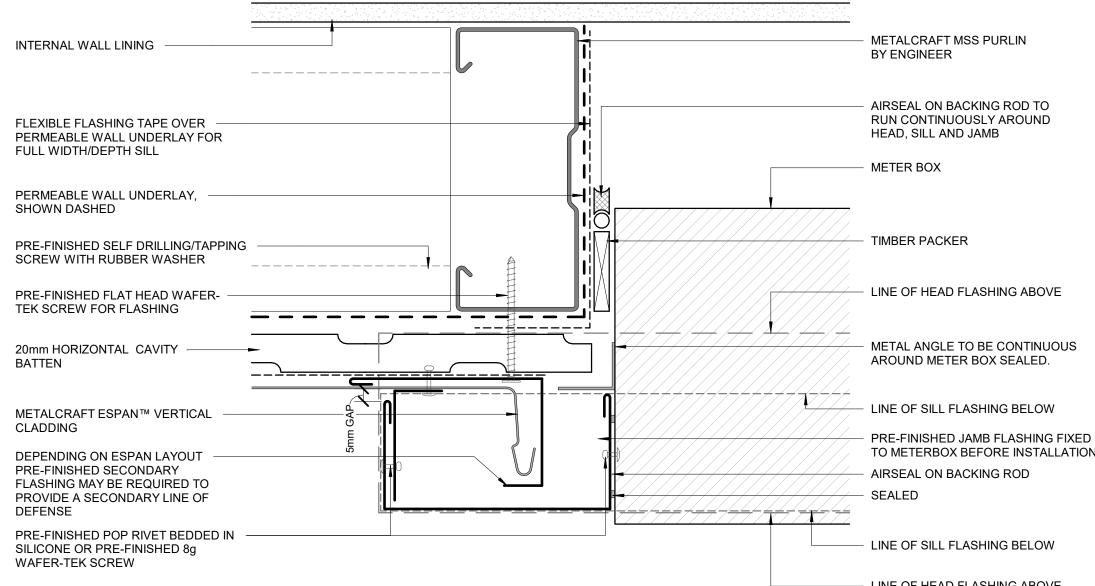
#### METERBOX SILL COMMERCIAL VERTICAL CLADDING

Rev. 2.0

Date JAN 2023

Scale 1 : 2

Sheet





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

Reference CVEP

TO METERBOX BEFORE INSTALLATION

LINE OF HEAD FLASHING ABOVE

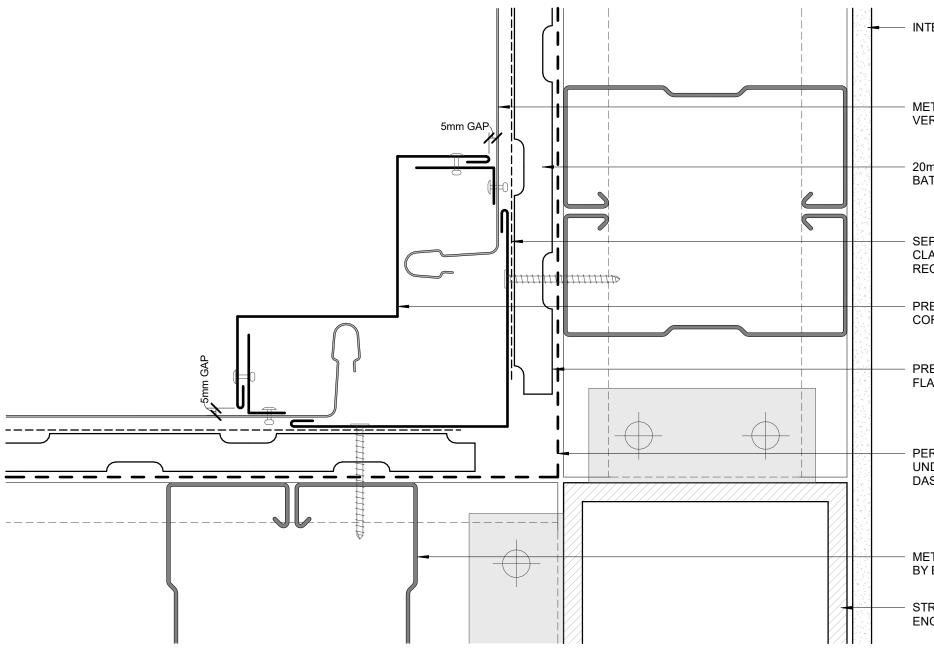
#### **METERBOX JAMB** COMMERCIAL VERTICAL CLADDING

Rev. 2.0

Date JAN 2023

Scale 1:2

Sheet





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

Reference CVEP

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

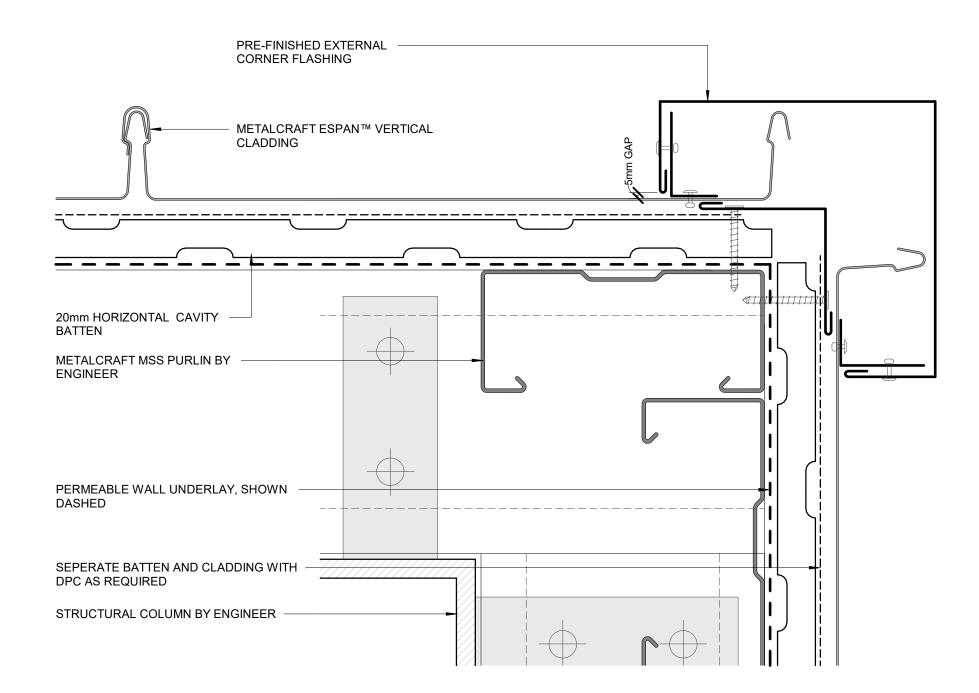
INTERNAL CORNER COMMERCIAL VERTICAL CLADDING

Rev. 2.0

Date JAN 2023

Scale 1:2

Sheet





#### EXTERNAL CORNER COMMERCIAL VERTICAL CLADDING

Rev. 2.0

Date JAN 2023

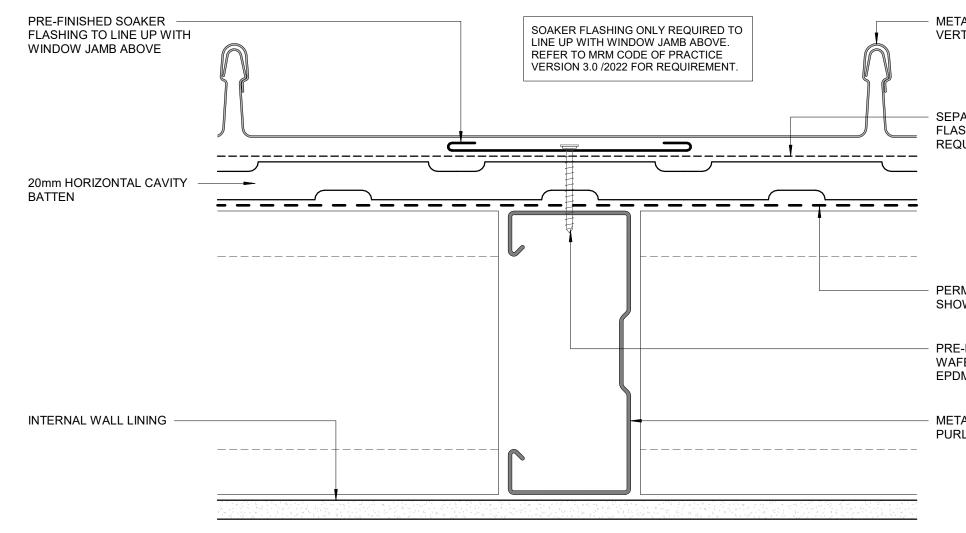
Scale 1 : 2

Sheet



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

Reference CVEP



METALCRAFT ESPAN VERTICAL CLADDING

SEPARATE BATTEN AND FLASHING WITH DPC AS REQUIRED

PERMEABLE WALL UNDERLAY, SHOWN DASHED

PRE-FINISHED FLAT HEAD WAFER-TEK SCREW WITH EPDM WASHER

METALCRAFT MSS PURLIN BY ENGINEER

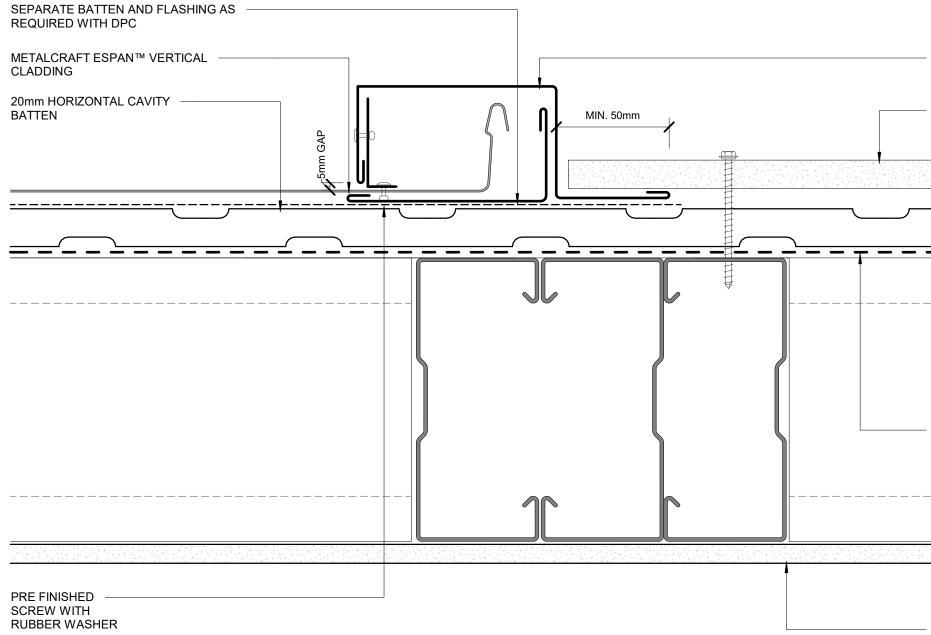
# SOAKER FLASHING

Rev. 2.0

Date JAN 2023

Scale 1:2

Sheet





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

Reference CVEP

PRE FINISHED ALUMINIUM FLASHING

FIBRE CEMENT BOARD BY OTHERS

PERMEABLE WALL UNDERLAY, SHOWN DASHED

INTERNAL WALL LINING

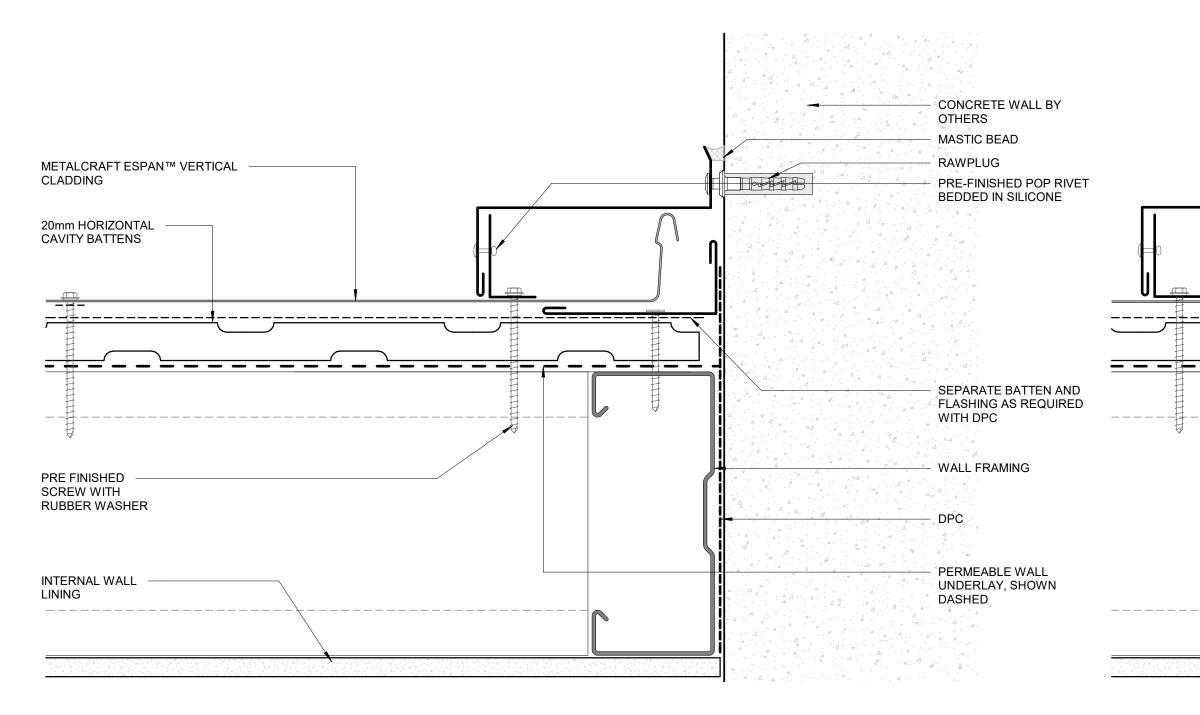
## CHANGE IN CLADDING

Rev. 2.0

Date JAN 2023

Scale 1 : 2

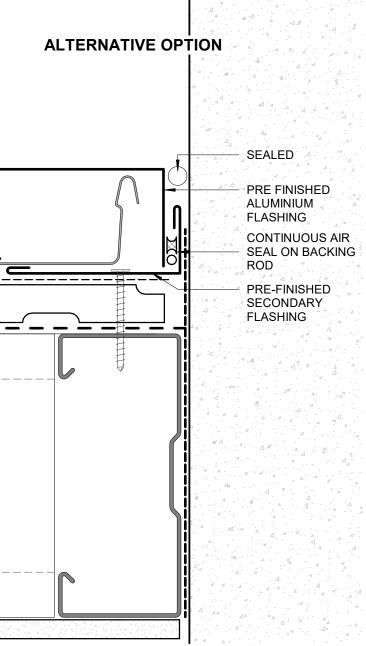
Sheet





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

Reference CVEP



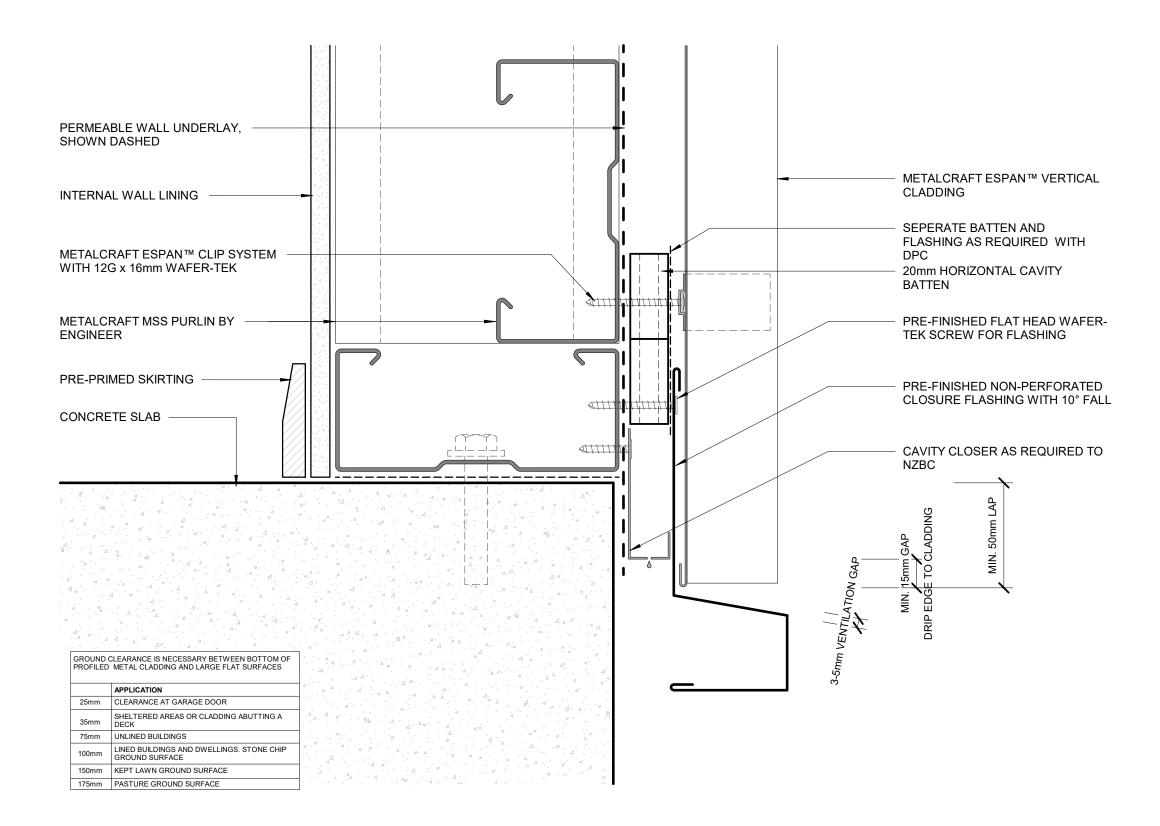
#### CLADDING ABUTMENT COMMERCIAL VERTICAL CLADDING

Rev. 2.0

Date JAN 2O23

Scale 1 : 2

Sheet





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

Reference CVEP

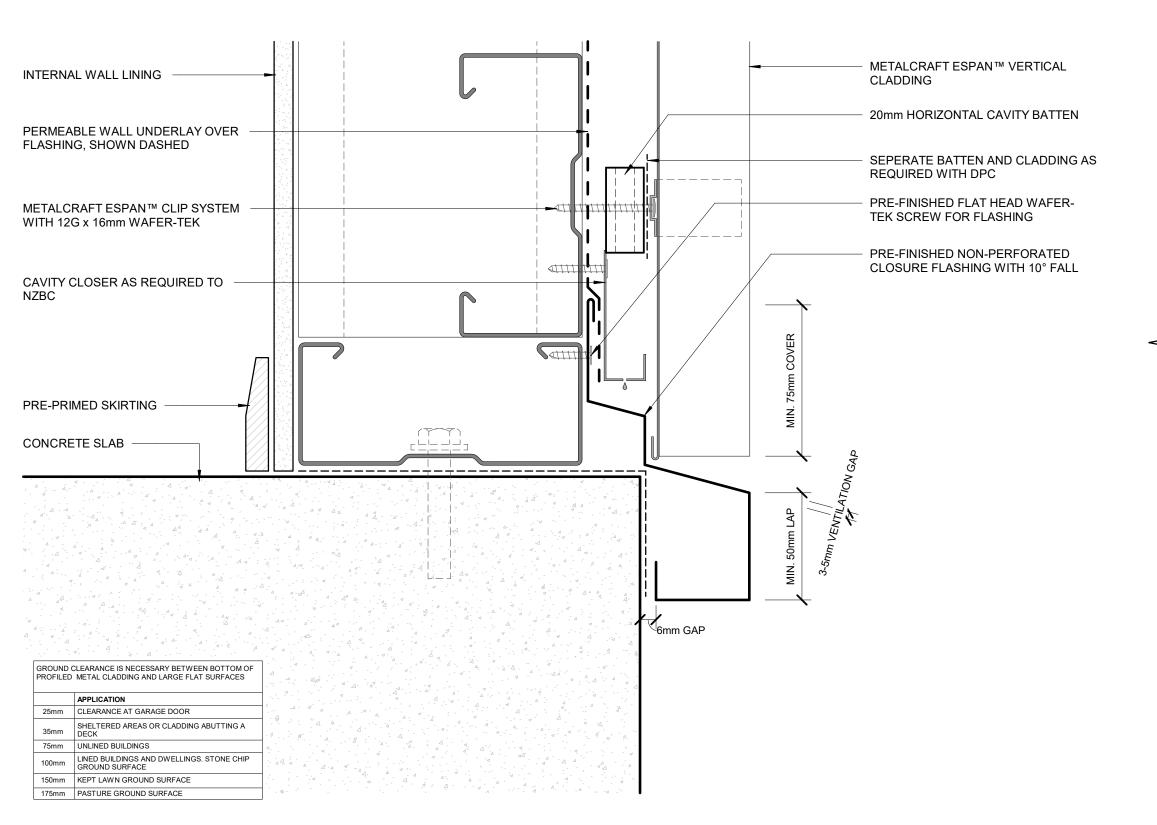
#### BOTTOM OF CLADDING (FLUSH) COMMERCIAL VERTICAL CLADDING

Rev. 2.0

Date JAN 2023

Scale 1:2

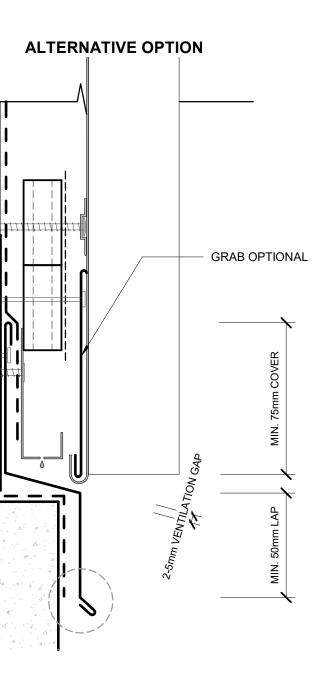
Sheet





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

Reference CVEP



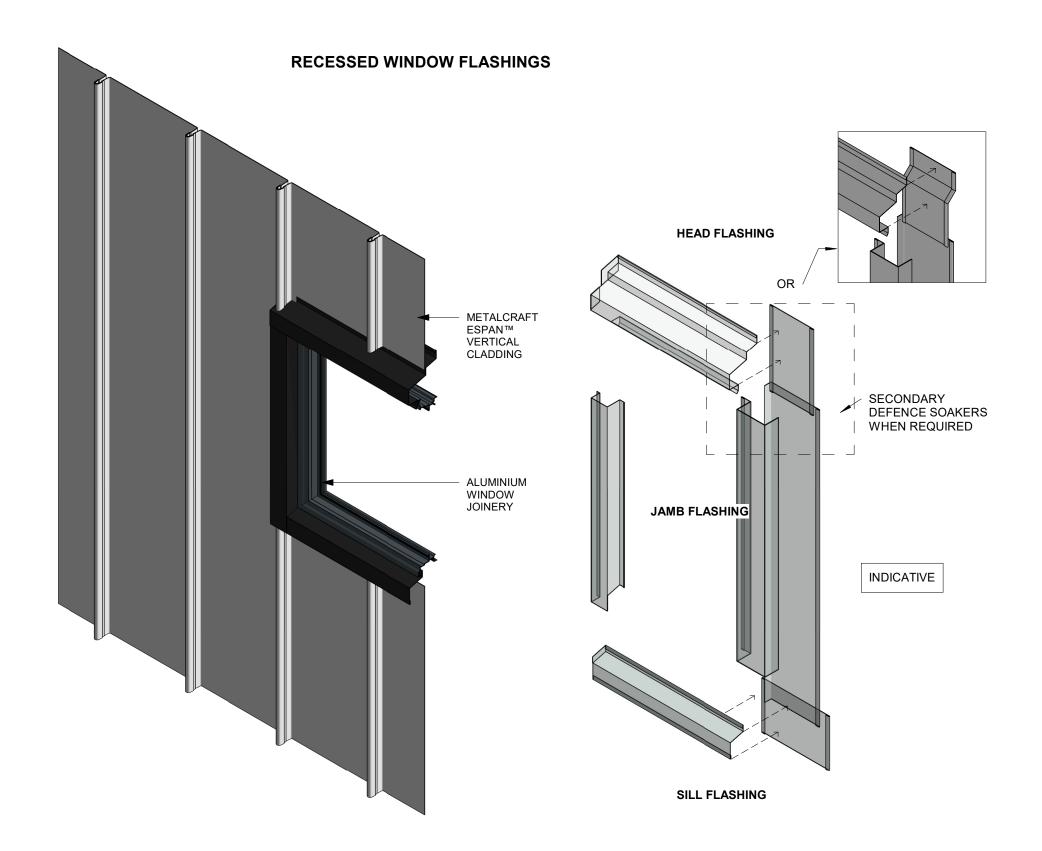
#### BOTTOM OF CLADDING (RECESSED) COMMERCIAL VERTICAL CLADDING

Rev. 2.0

Date JAN 2023

Scale 1:2

Sheet





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

Reference CVEP

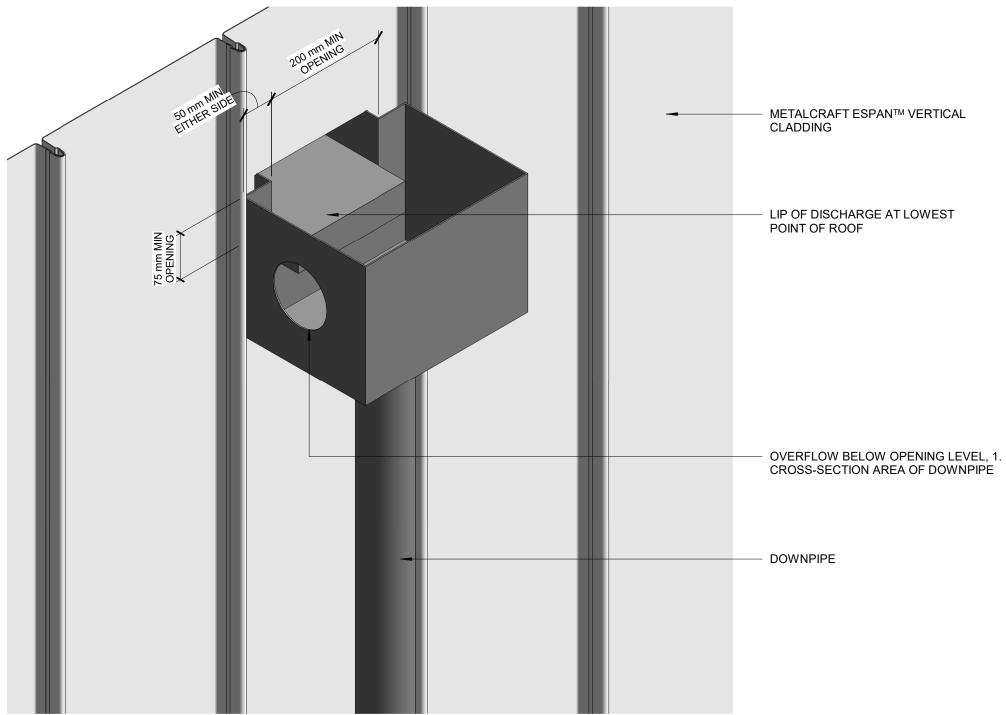
#### 3D WINDOW FLASHINGS COMMERCIAL VERTICAL CLADDING

Rev. 2.0

Date JAN 2023

Scale

E 20





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

Reference CVEP

#### 3D RAINWATER HEAD COMMERCIAL VERTICAL CLADDING

Rev. 2.0

Date JAN 2023

Scale

E 21