
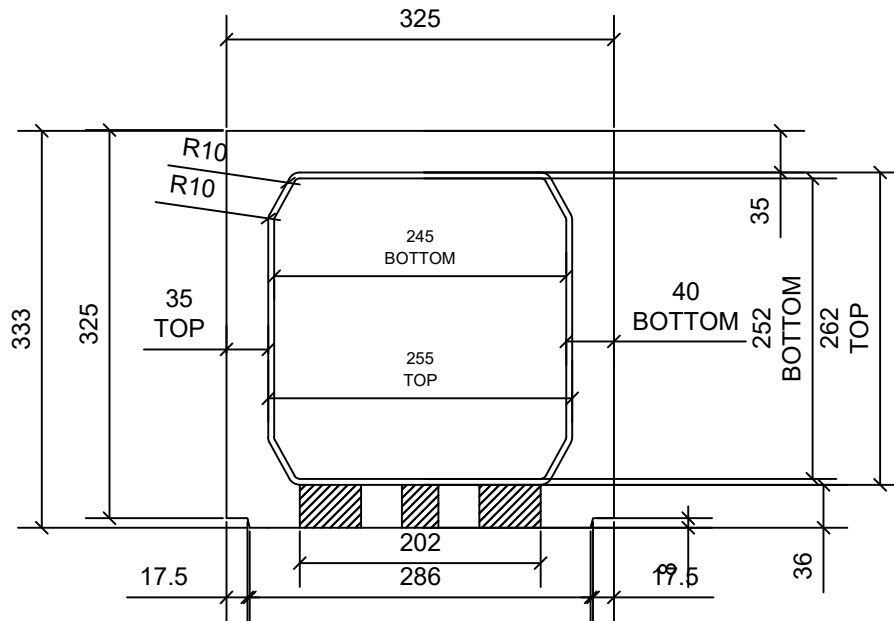
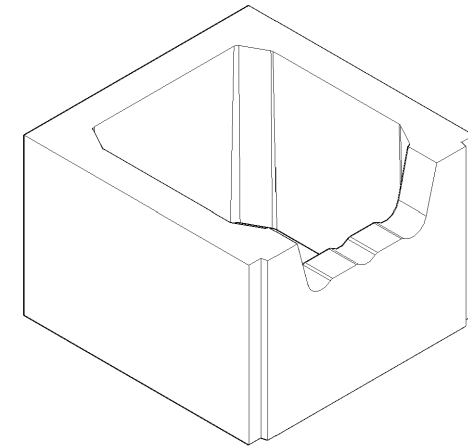


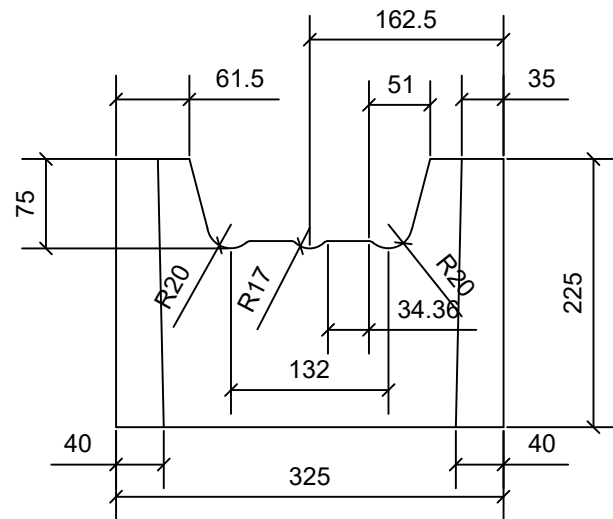
Project 325mm Stepoc - Standard Details		 <b>Anderton</b>	
Title FULL LENGTH STANDARD (Z2)			
Drawing Number <b>ST - 325 - Z2</b>		Rev <b>B</b>	Units 1 & 2, Cosgrove Business Park Soot Hill, Anderton Northwich Cheshire CW9 6AA Tel: 0333 234 3434 <a href="http://www.andertonconcrete.co.uk">www.andertonconcrete.co.uk</a> Anderton Concrete Ltd. 2019 ©
Drawn By <b>TJF</b>	Date <b>22.05.2019</b>	Scale <b>NTS</b>	
Approved By	Date	Drawing is supplied by Anderton Concrete Ltd and must not be reproduced or shown to others without prior written consent.	




PLAIN END BLOCK - Z3



PLAIN END BLOCK - Z3 (ISO VIEW)

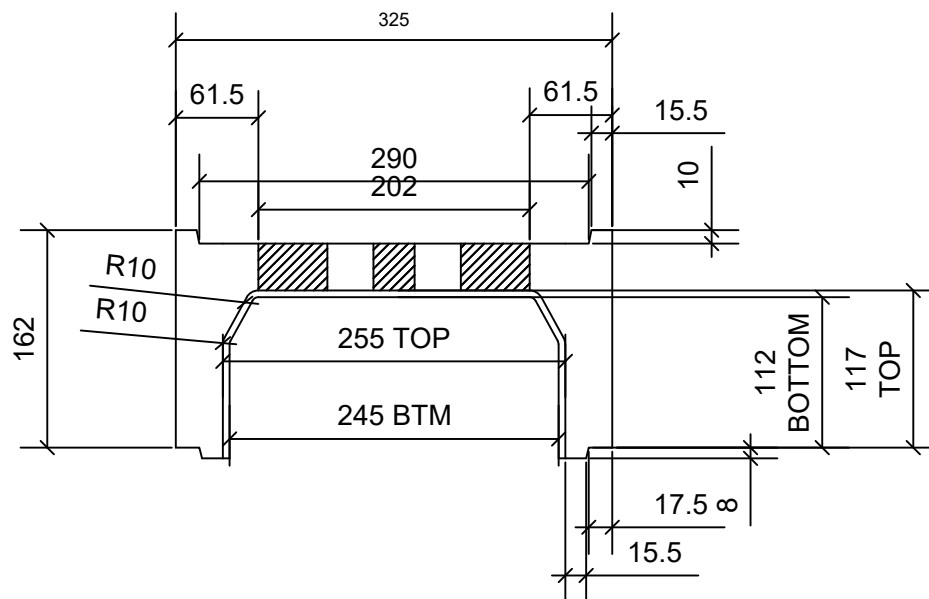


SECTION DETAIL - Z3

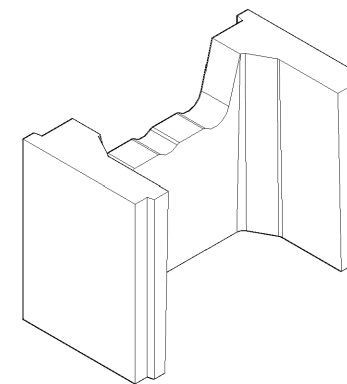
Project 325mm Stepoc - Standard Details		<div><div>Anderton</div></div>	
Title CORNER/END UNIT (Z3)			
Drawing Number ST - 325 - Z3		Rev A	
Drawn By TJF	Date 22.05.2019	Scale NTS	
Approved By	Date	Drawing is supplied by Anderton Concrete Ltd and must not be reproduced or shown to others without prior written consent.	

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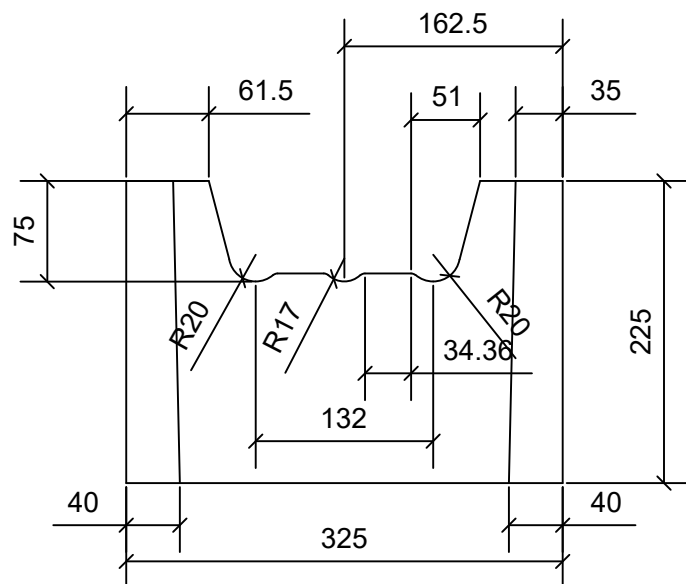
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HALF LENGTH BLOCK - Z4



HALF LENGTH BLOCK - Z4 (ISO VIEW)

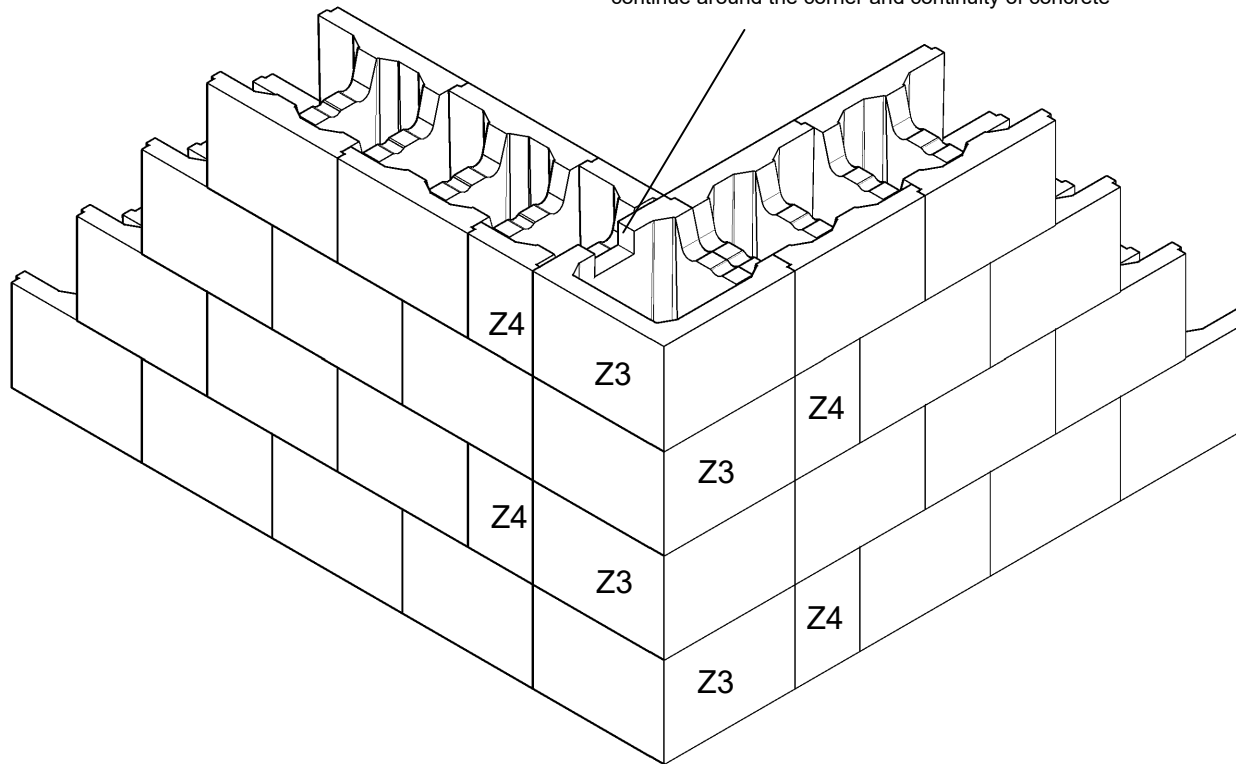


CUT OUT DETAIL - Z4

Project 325mm Stepoc - Standard Details			
Title HALF LENGTH UNIT UNIT (Z4)			
Drawing Number ST - 325 - Z4		Rev B	Units 1 & 2, Cosgrove Business Park Soot Hill, Anderton Northwich Cheshire CW9 6AA Tel: 0333 234 3434 <a href="http://www.andertonconcrete.co.uk">www.andertonconcrete.co.uk</a>  Anderton Concrete Ltd. 2019 ©
Drawn By TJF	Date 22.05.2019	Scale NTS	
Approved By	Date	Drawing is supplied by Anderton Concrete Ltd and must not be reproduced or shown to others without prior written consent.	

Blocks are taken to be Full Length Standard Blocks (Z2) unless otherwise marked

The corner pieces have a notch cut out of the side wall on site, as shown here. This notch is to allow the horizontal reinforcement to continue around the corner and continuity of concrete



#### NOTES:

Stepoc 325 can accommodate two layers of reinforcement and is laid in half bond. Typically a single layer of reinforcement will be laid to the retained face.

Please ensure all calculations are carried out using the correct values for the position of the reinforcement and in accordance with the relevant design standard.  
 $f_k = 18\text{N/mm}^2$

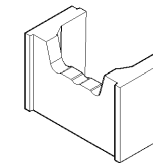
Corner and End Details should be constructed first and any cut blocks incorporated towards the center of the walling section.

During construction simple propping of the corner is suggested prior to pouring.

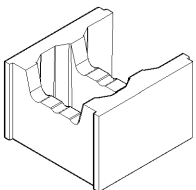
Movement joints should be incorporated at maximum 20m centers using the End Detail to finish and start the wall.

Concrete should be to Structural Engineers specification but no less than  $35\text{N/mm}^2$  with a slump of no less than 150mm and a maximum aggregate size of 10mm.  
 Maximum pour height - 10 courses (2.25m)

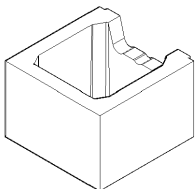
Concrete infill -  $0.19\text{m}^3/\text{m}^2$




This is the Standard Half Length Stepoc block (Z4)  
 It has a face size of 162mm x 225mm

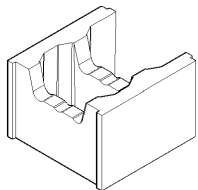
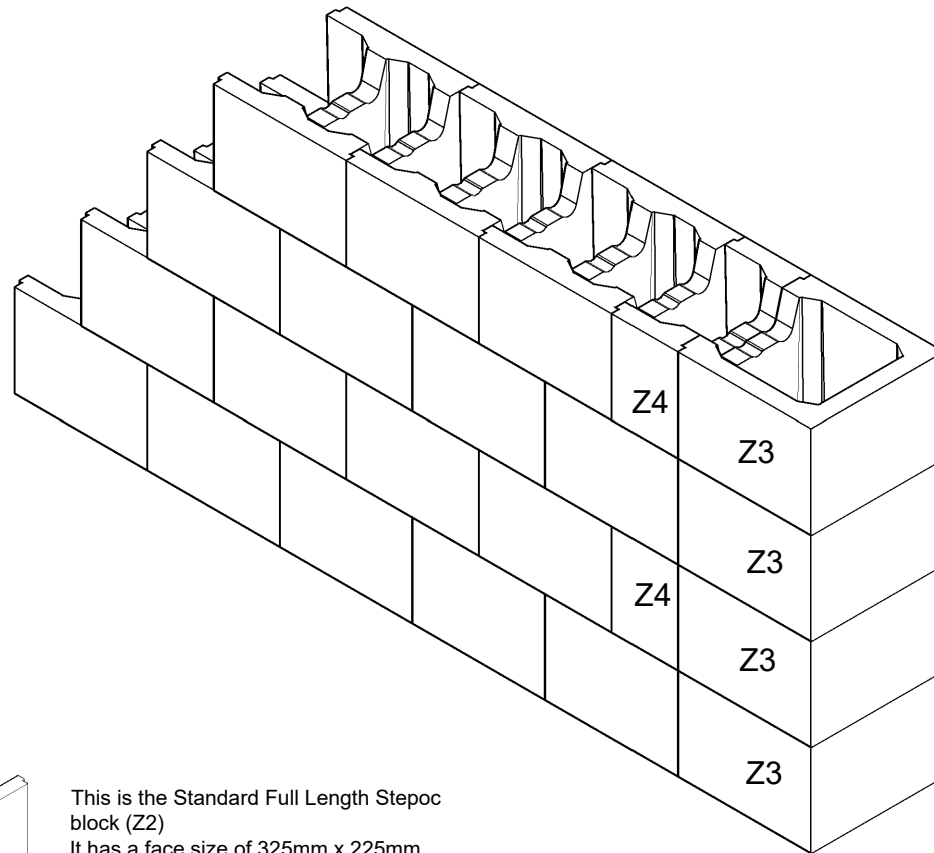


This is the Standard Full Length Stepoc block (Z2)  
 It has a face size of 325mm x 225mm

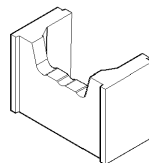


This is a Full Length Plain End Block (Z3)  
 It has a face size of 325mm x 225mm  
 As the corner is built up, the Z3 blocks rotate through  $90^\circ$  on alternate courses. This provides a stronger bond to the corner

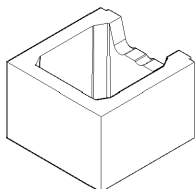
Project 325mm STEPOC			 <b>Anderton</b>
Title CORNER DETAIL			
Drawing Number ST-325-CRN		Rev E	
Drawn By TJF	Date 24.01.2019	Scale NTS	Units 1 & 2, Cosgrove Business Park Soot Hill, Anderton Northwich Cheshire CW9 6AA Tel: 0333 234 3434 <a href="http://www.andertonconcrete.co.uk">www.andertonconcrete.co.uk</a>  Anderton Concrete Ltd. 2019 ©
Approved By	Date	Drawing is supplied by Anderton Concrete Ltd and must not be reproduced or shown to others without prior written consent.	



This is the Standard Full Length Stepoc block (Z2)  
It has a face size of 325mm x 225mm



This is the Standard Half Length Stepoc block (Z4)  
It has a face size of 162mm x 225mm



This is a Full Length Plain End Block (Z3)  
It has a face size of 325mm x 225mm

Blocks are taken to be Full Length Standard Blocks (Z2) unless otherwise marked

#### NOTES:

Stepoc 325 will accommodate a single or double layer of reinforcement and is laid in half bond. The first course is mortar bedded to ensure it is completely level.

Please ensure all calculations are carried out using the correct values for the position of the reinforcement and in accordance with the relevant design standard.

Corner and End Details should be constructed first and any cut blocks incorporated towards the center of the walling section.

Movement joints should be incorporated at maximum 20m centers using the End Detail to finish and start the wall.

Reinforcement shown at minimum possible centers. Final design may allow for increased centers however these must still be multiples of 162.5mm.

Concrete should be to Structural Engineers specification but no less than C32/40 specification with a slump of no less than 150mm (S4) and a maximum aggregate size of 10mm. Cover to vertical reinforcement should be a minimum of 40mm

Maximum pour height is 10 courses = 2.25m

Concrete infill - 0.19m<sup>3</sup>/m<sup>2</sup>

Project  
325mm Stepoc - Standard Details

Title  
TERMINAL END DETAIL

Drawing Number  
ST - 325 - END

Rev  
E

Drawn By  
TJF

Date  
22.05.2019

Scale  
NTS

Approved By

Date

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The corner pieces have a notch cut out of the side wall on site, as shown here  
This is to allow the horizontal reinforcement to continue around the corner and continuity of concrete infill

INTERNAL  
FACE

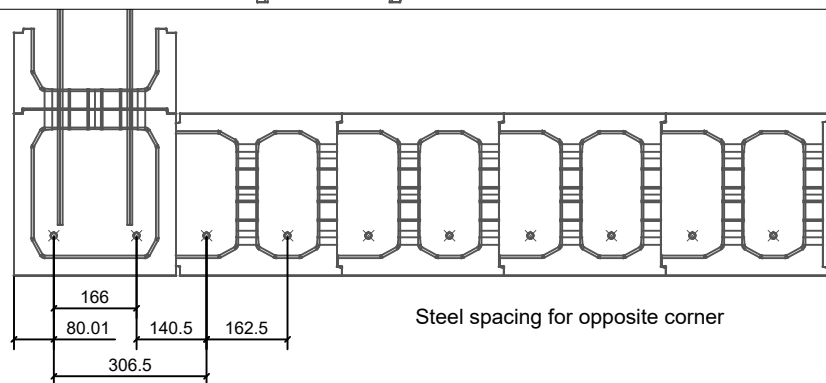
RETAINED FACE

INTERNAL  
FACE

RETAINED FACE

THE REBAR IS USUALLY LOCATED ON THE EXTERNAL FACE TO GIVE A LARGER LEVER ARM IN A CANTILEVER RETAINING WALL SITUATION. COVER TO VERTICAL REINFORCEMENT SHOULD BE A MINIMUM OF 40mm

The corner pieces have a notch cut out of the side wall on site, as shown here  
This is to allow the horizontal reinforcement to continue around the corner and continuity of concrete infill



Project  
325mm Stepoc - Standard Details

Title  
REINFORCEMENT DETAILING -  
CORNER

Drawing Number  
ST - 325 - REOCRN

Rev  
H

Drawn By  
TJF

Date  
22.05.2019

Scale  
NTS

Approved By

Date

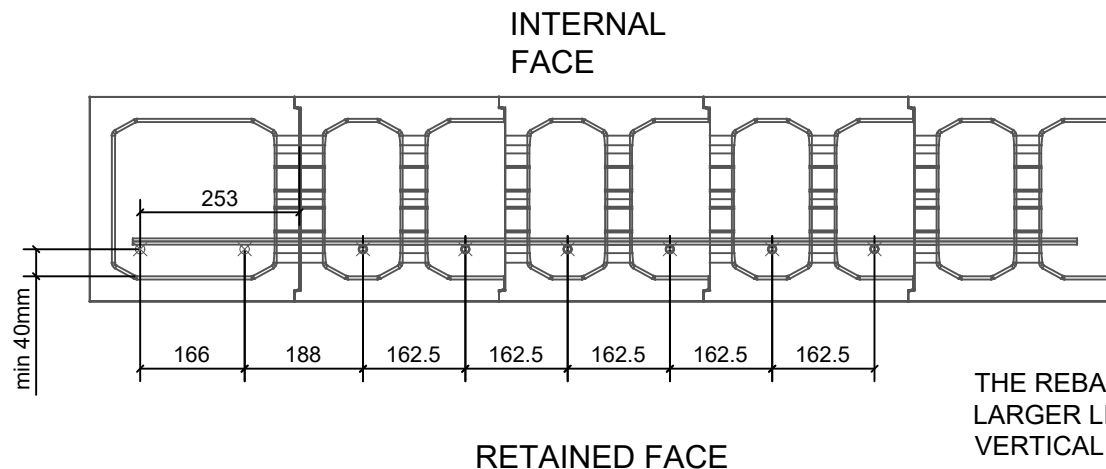
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THE REBAR IS USUALLY LOCATED ON THE EXTERNAL FACE TO GIVE A LARGER LEVER ARM IN A RETAINING WALL SITUATION. COVER TO VERTICAL REINFORCEMENT SHOULD BE A MINIMUM OF 40mm

#### NOTES:

Stepoc 325 will accommodate a single or double layer of reinforcement and is laid in half bond. The first course is mortar bedded to ensure it is completely level.

Please ensure all calculations are carried out using the correct values for the position of the reinforcement and in accordance with the relevant design standard.

Corner and End Details should be constructed first and any cut blocks incorporated towards the center of the walling section.

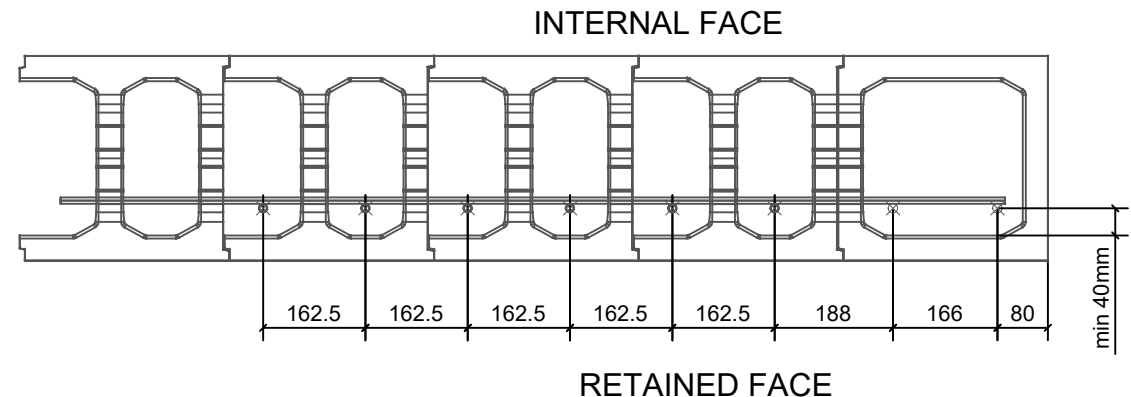
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Reinforcement shown at minimum possible centers. Final design may allow for increased centers however these must still be multiples of 162.5mm.

Concrete should be to Structural Engineers specification but no less than C32/40 specification with a slump of no less than 150mm (S4) and a maximum aggregate size of 10mm. Cover to vertical reinforcement should be a minimum of 40mm

Maximum pour height is 10 courses = 2.25m

Concrete infill -  $0.19\text{m}^3/\text{m}^2$



Project  
325mm Stepoc - Standard Details

Title  
REINFORCEMENT DETAILING -  
TERMINAL END

Drawing Number  
ST - 325 - REOEND

Rev  
F

Drawn By  
TJF

Date  
22.05.2019

Scale  
NTS

Approved By

Date

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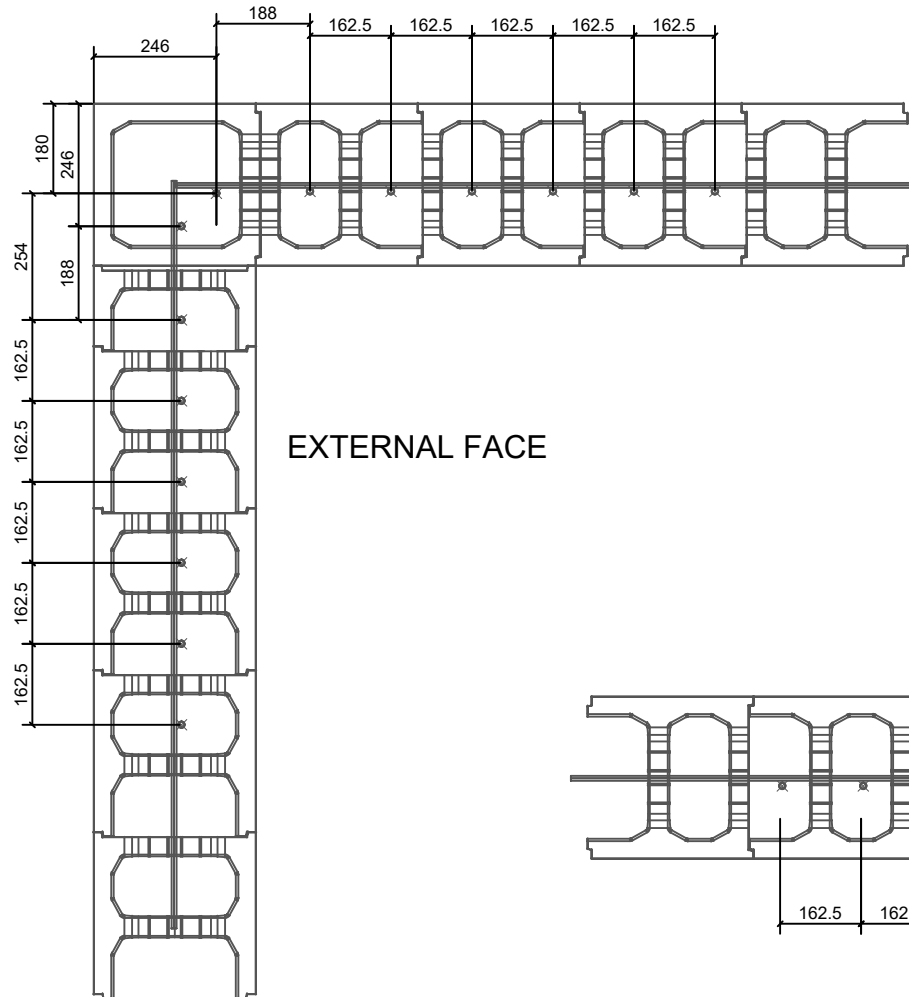
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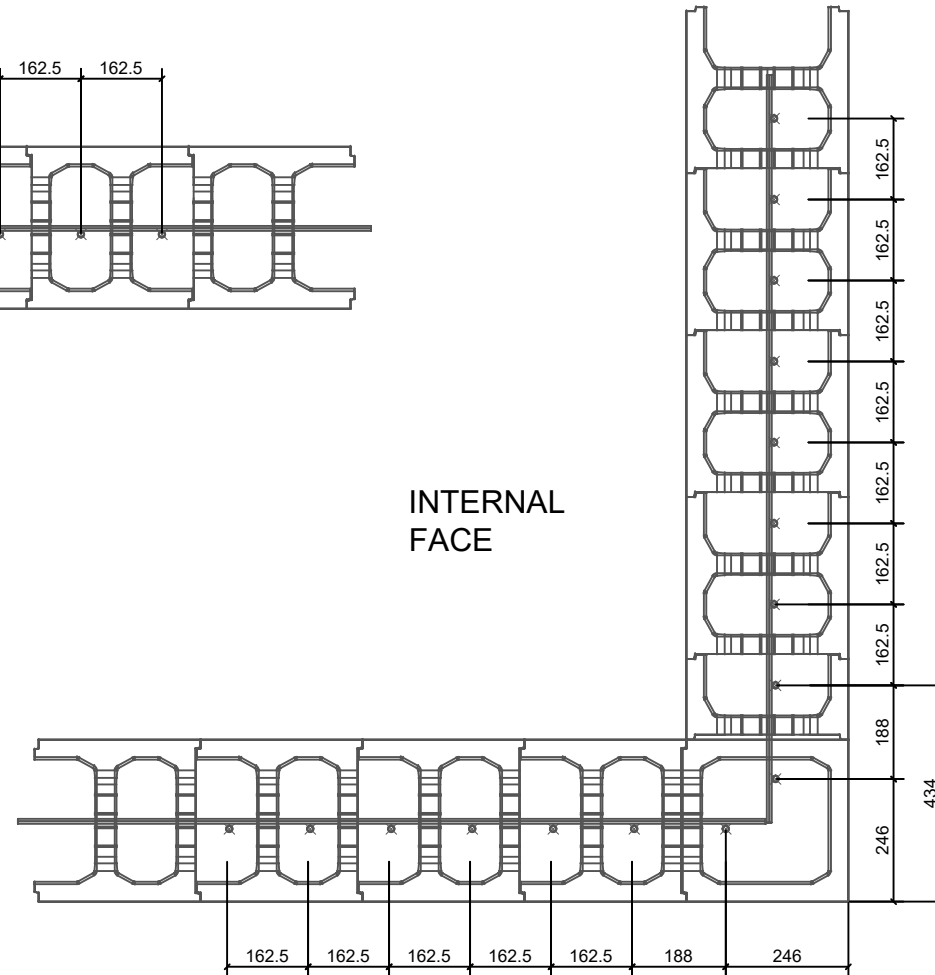
The corner pieces have a notch cut out of the side wall on site, as shown here  
This is to allow the horizontal reinforcement to continue around the corner

INTERNAL  
FACE



EXTERNAL FACE


INTERNAL  
FACE



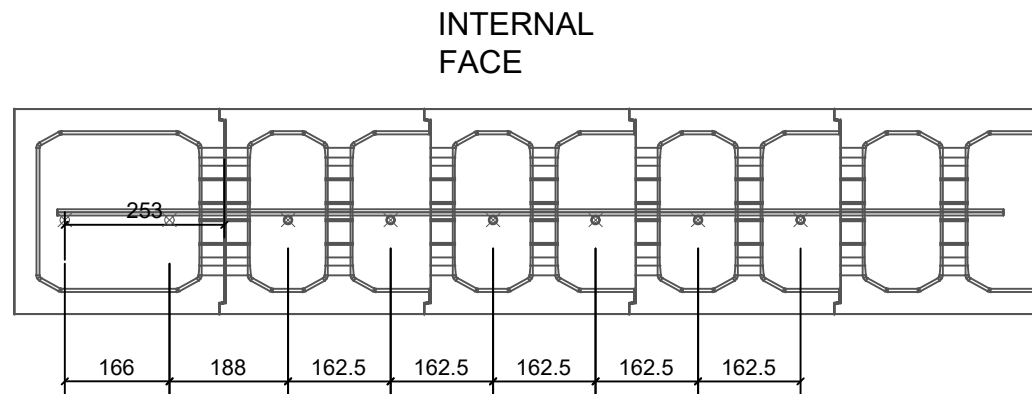
EXTERNAL FACE

The corner pieces have a notch cut out of the side wall on site, as shown here  
This is to allow the horizontal reinforcement to continue around the corner

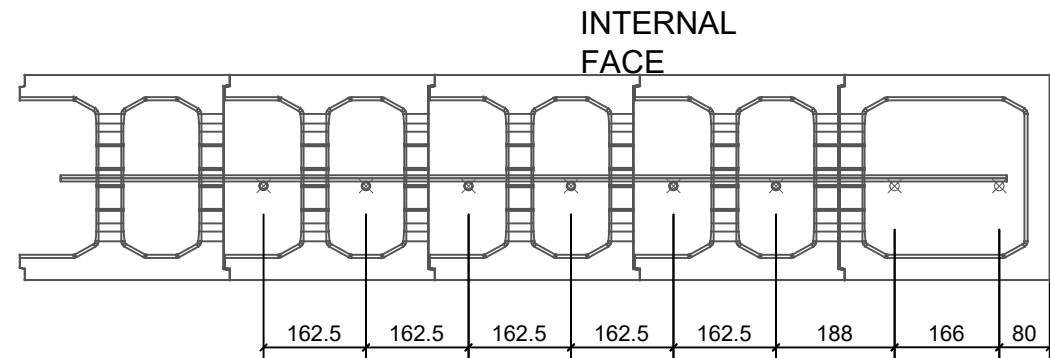
THE REBAR IS USUALLY LOCATED ON THE EXTERNAL FACE TO GIVE A LARGER LEVER ARM IN A RETAINING WALL SITUATION

Project			 <b>Anderton</b>  Units 1 & 2, Cosgrove Business Park Soot Hill, Anderton Northwich Cheshire CW9 6AA Tel: 0333 234 3434 www.andertonconcrete.co.uk  Anderton Concrete Ltd. 2019 ©
Title 325mm STEPOC WALLING			
REINFORCEMENT DETAILING - CORNER CENTRAL POSITION			
Drawing Number		Rev	
Drawn By		Date	Scale
TJF		FEB 10	1:1
Approved By		Date	Drawing is supplied by Anderton Concrete Ltd and must not be reproduced or shown to others without prior written consent.
TJF		FEB 10	NTS






EXTERNAL FACE



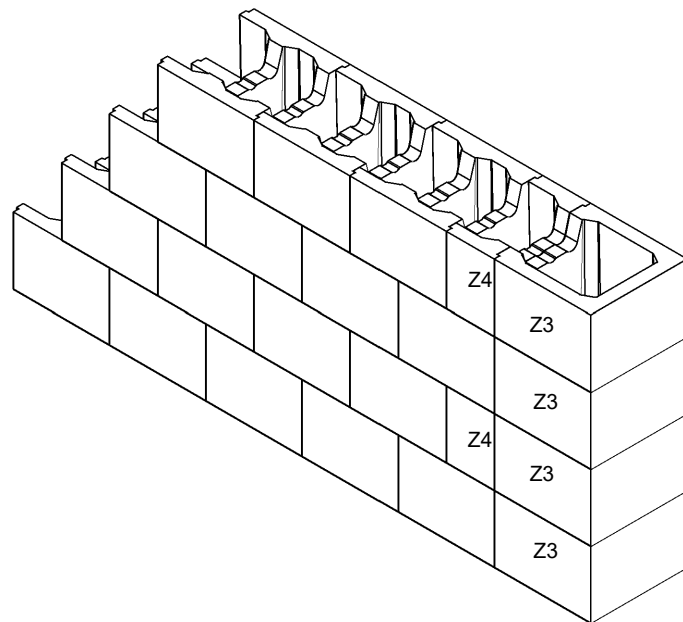
EXTERNAL FACE

THE REBAR IS USUALLY LOCATED ON THE EXTERNAL FACE TO GIVE A LARGER LEVER ARM IN A RETAINING WALL SITUATION

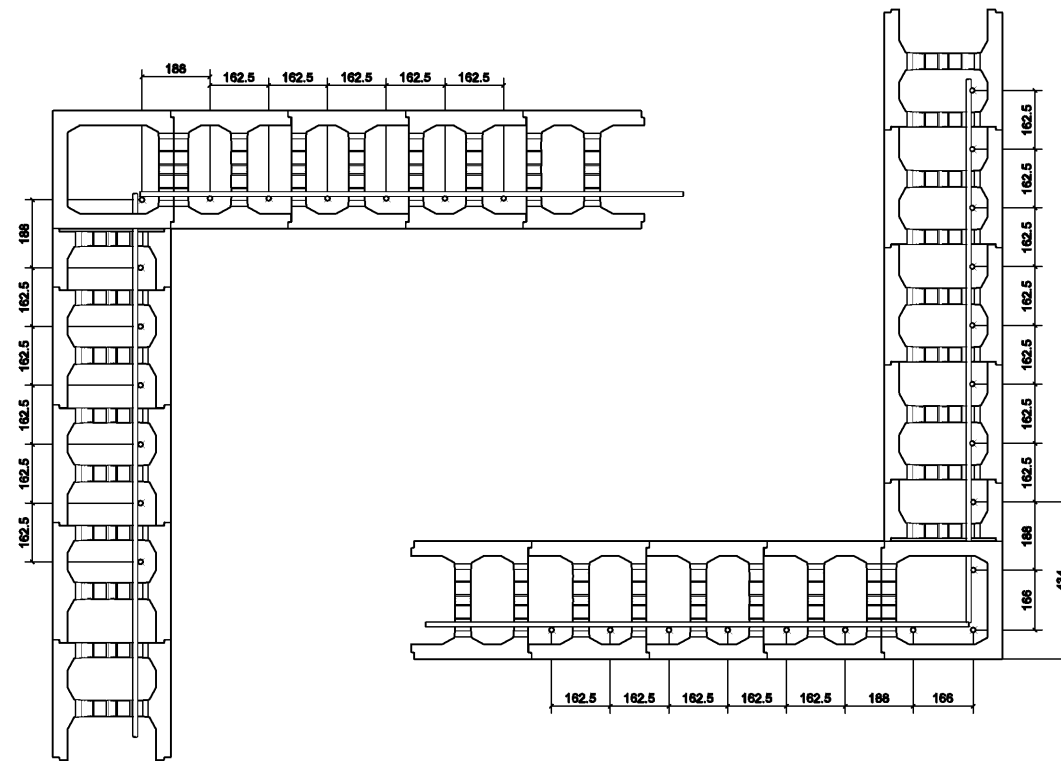
Project			<div><h1>Anderton</h1></div> <div>Units 1 &amp; 2, Cosgrove Business Park Soot Hill, Anderton Northwich Cheshire CW9 6AA Tel: 0333 234 3434 www.andertonconcrete.co.uk</div> <div>Anderton Concrete Ltd. 2019 ©</div>
Title 325mm STEPOC WALLING			
REINFORCEMENT			
DRAWING - END -			
CENTRAL POSITION			
Drawing Number	Rev		
Drawn By	Date	Scale	ST - 325 - REOEND/1
TJF	FEB 10	1:1	
Approved By	Date	Drawing is supplied by Anderton Concrete Ltd and must not be reproduced or shown to others without written consent.	
TJF	FEB 10		

A 3D perspective view of a brickwork corner joint. The diagram shows three courses of bricks. The corner is formed by bricks labeled Z3 and Z4. A red line points to the vertical joint between two Z4 bricks in the top course.

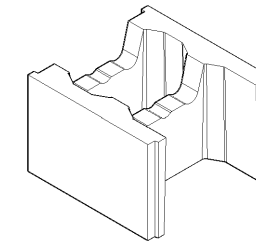
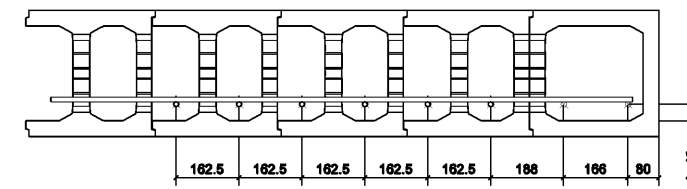
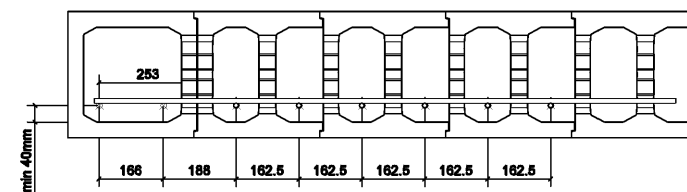
## CORNER DETAIL



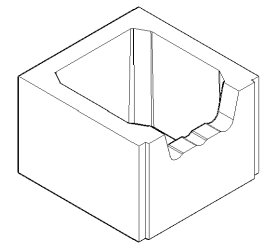
END DETAIL



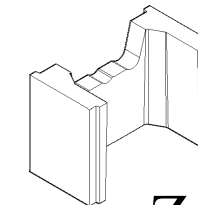
## REINFORCEMENT DETAILS




Z2



Z3

 $Z_4$ 

Concrete infill - 0.19m<sup>3</sup>/m<sup>2</sup>

Project		325mm Stepoc Walling	
Title		General Details	
Drawn	TJF	Scale	NTS
Date	09.05.2013		
 <b>Anderton</b>		Units 1 & 2, Cosgrove Business Park Soot Hill, Anderton Northwich Cheshire CW9 6AA Tel: 0333 234 3434	
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Drawing number	ST-325-GEN		Rev F