

7. CAD DRAWINGS



These drawings are intended to assist the user in the construction of Ambionse insulated concrete formwork structures. They can be downloaded as PDF's or DWG format files on www.ambionse.co.nz

Ambionse Footings

- Ambionse as a Header Block
- RibRaft Footings
- Stepped/Sloping Footings
- Brick Veneer Footings

Connection to Other Structures

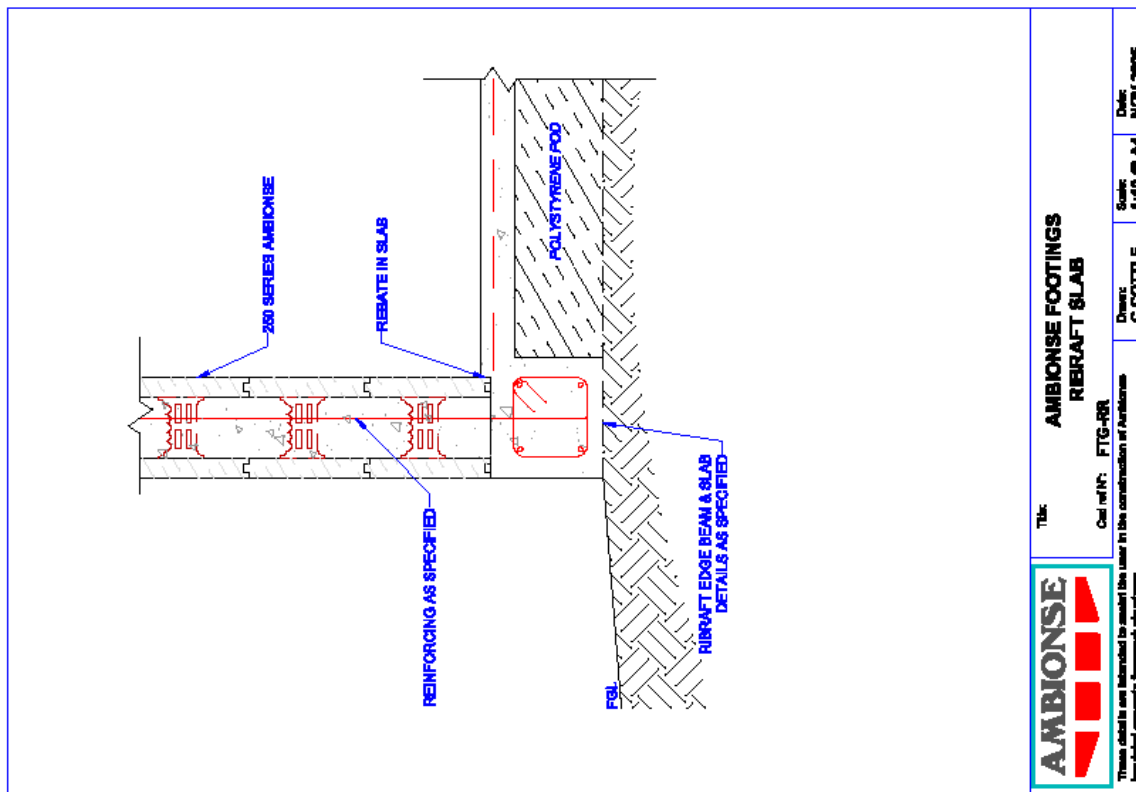
- Concrete Suspended Floor Connection
- Intersecting Walls
- Timber Mid-floor Connection
- Connection to Timber Truss

Constructing Openings

- Forming Rebate
- Head and Jamb Details
- Sill Block Details
- Arched Openings
- Bracing Openings
- Formed Opening

Miscellaneous

- Waterproofing Retaining Walls
- Typical Cross Section
- Creating Curves



Title: **AMBIONSE FOOTINGS
RIBRAFFT SLAB**

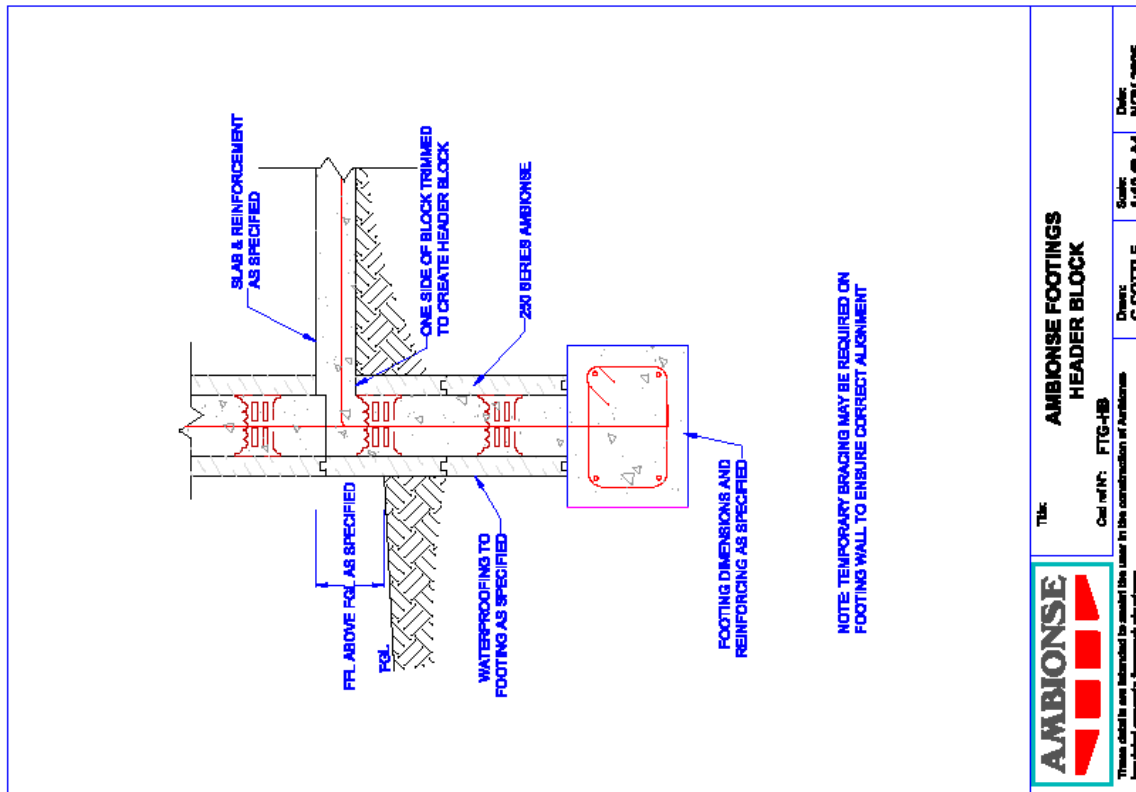
Call ref N: FTG-RR

These details are intended to assist the user in the construction of Ambionse Insulated concrete formwork structures

Drawn: C COTTLE

Scale: 1:10 @ A4

Date: NOV 2005



NOTE: TEMPORARY BRACING MAY BE REQUIRED ON FOOTING WALL TO ENSURE CORRECT ALIGNMENT



Title: **AMBIONSE FOOTINGS
HEADER BLOCK**

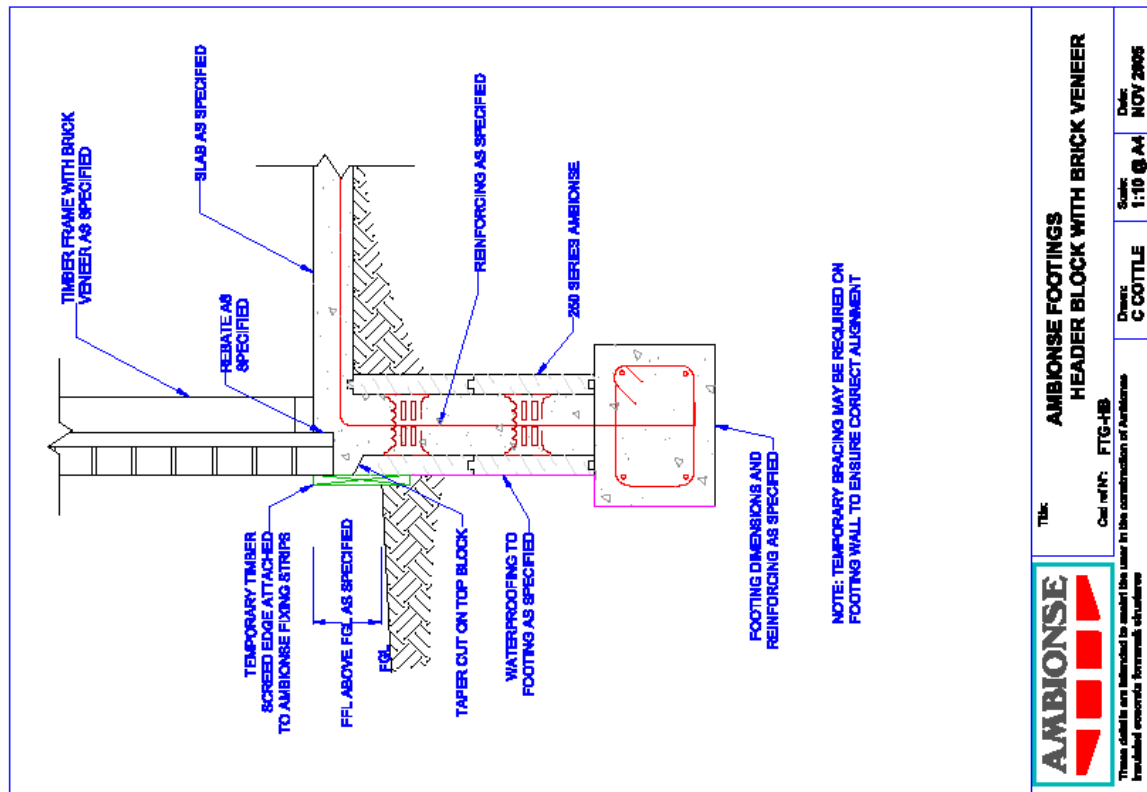
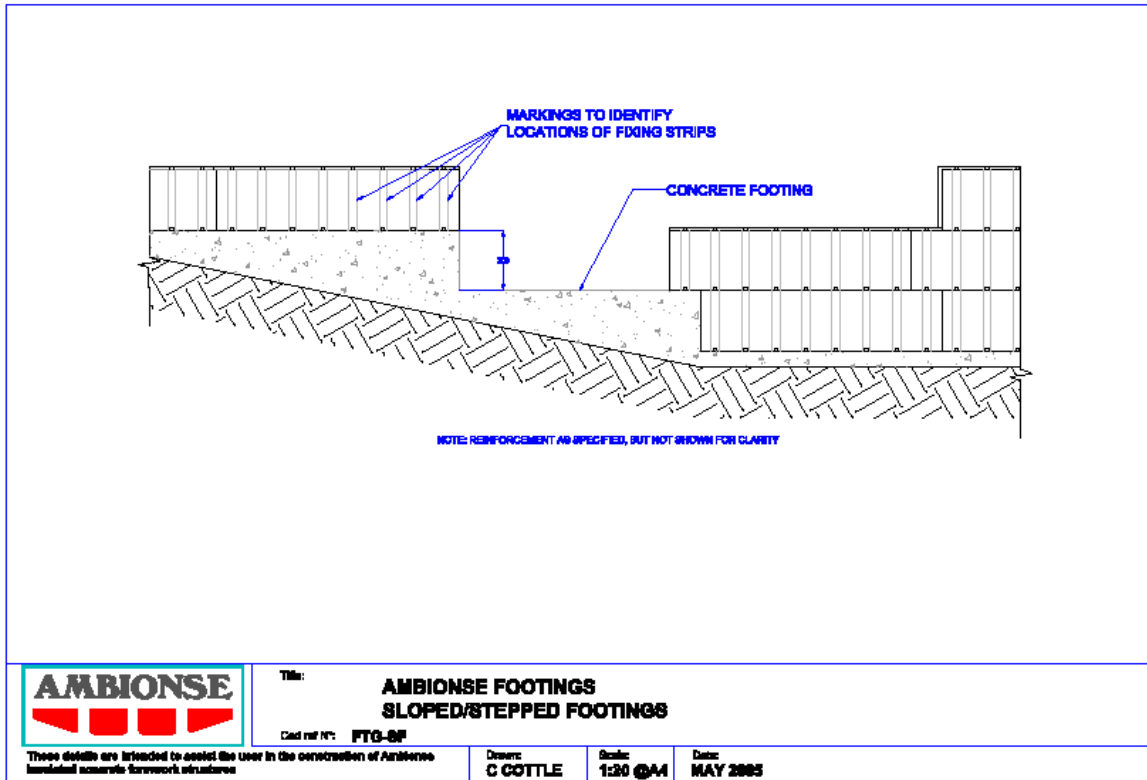
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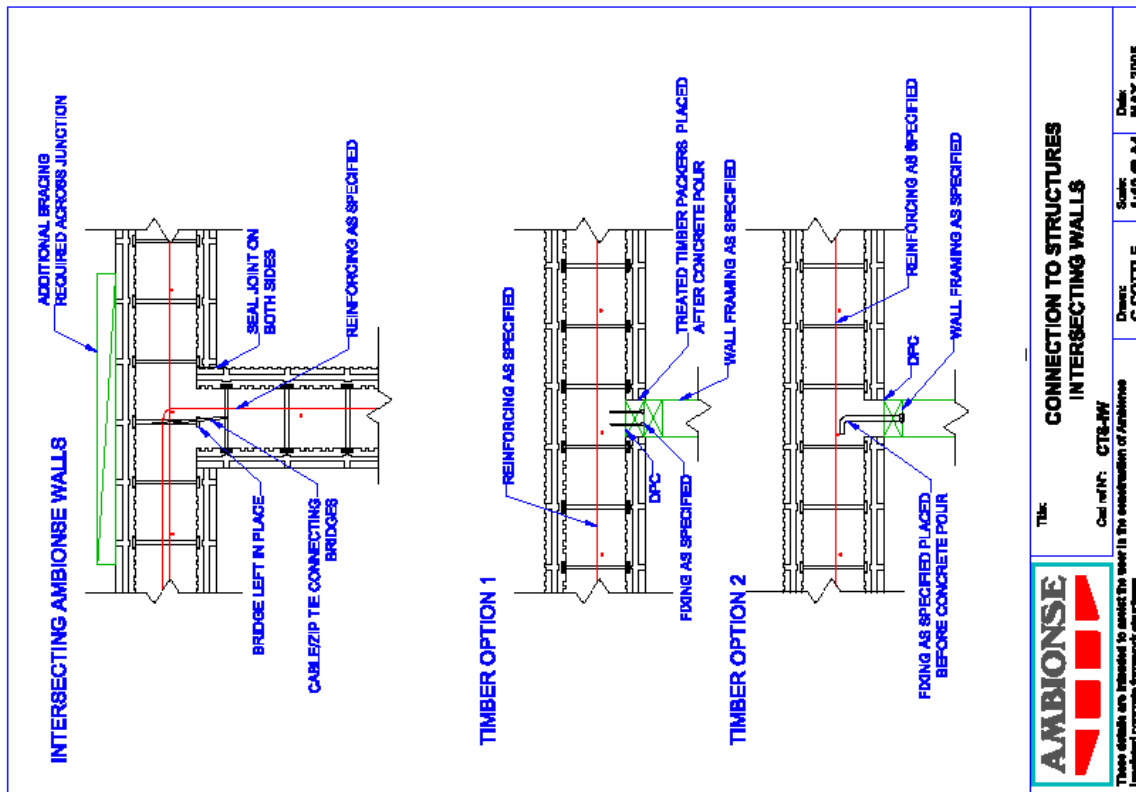
These details are intended to assist the user in the construction of Ambionse Insulated concrete formwork structures

Drawn: C COTTLE

Scale: 1:10 @ A4

Date: NOV 2005

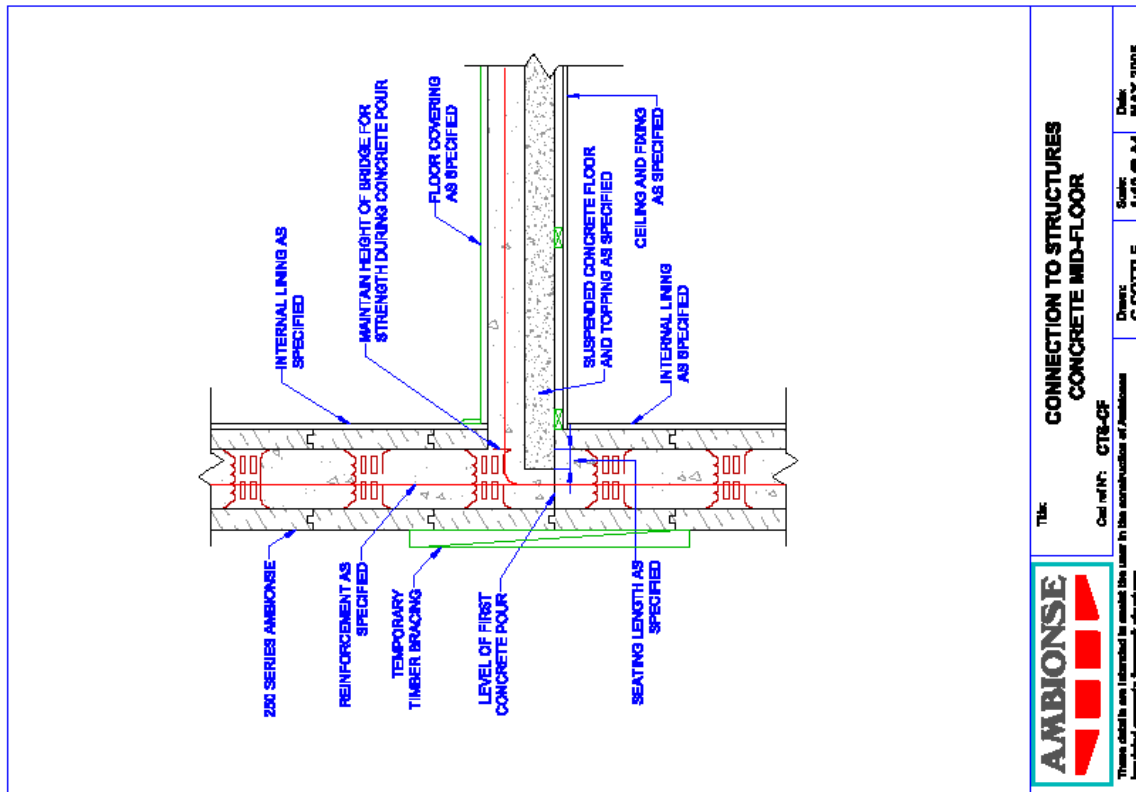




**CONNECTION TO STRUCTURES
INTERSECTING WALLS**

Title: **CONNECTION TO STRUCTURES
INTERSECTING WALLS**
 Cat ref N°: **CTS-W**
 These details are intended to assist the user in the construction of Ambionse
 Insulated concrete formwork structures

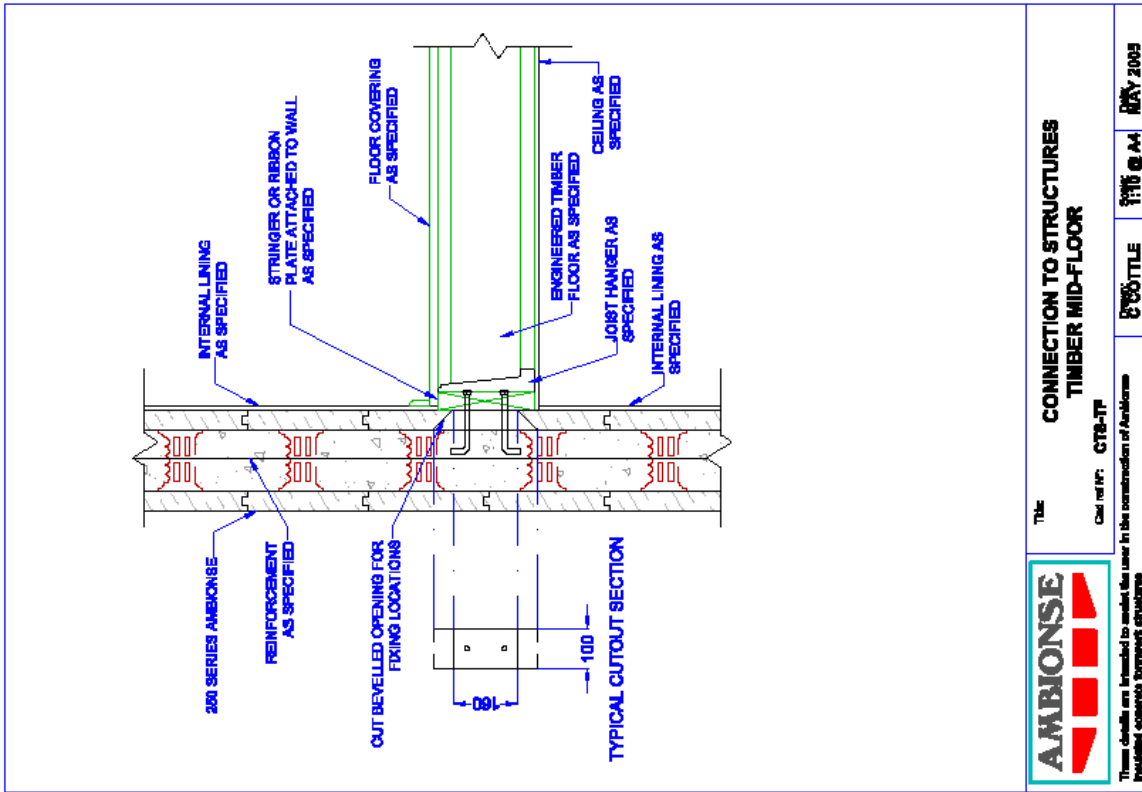
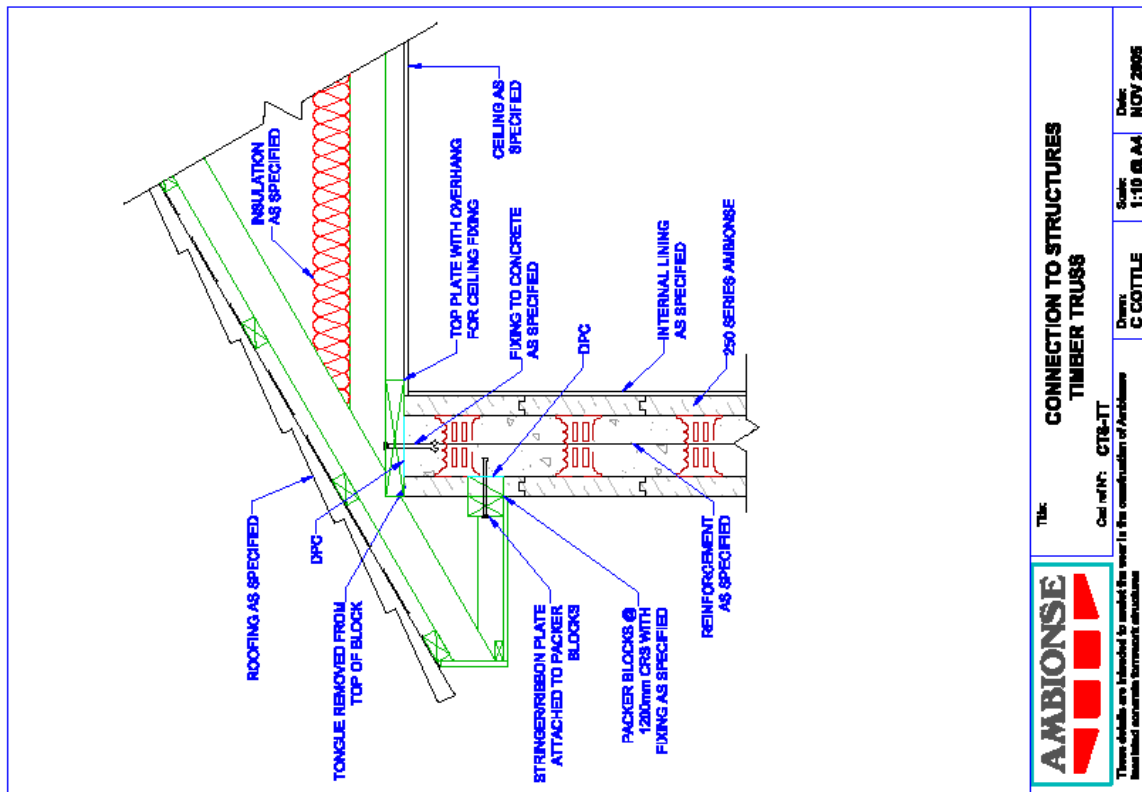
Drawn: **C COTTLE**
 Scale: **1:10 @ A4**
 Date: **MAY 2006**

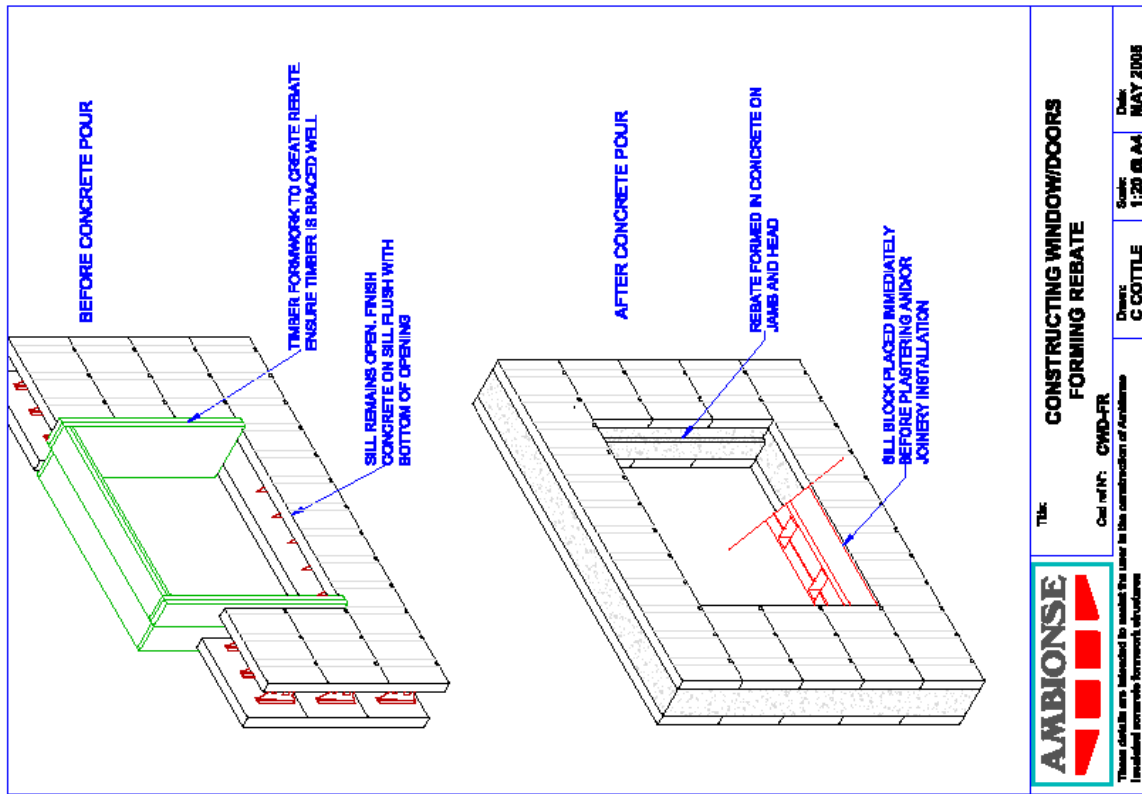
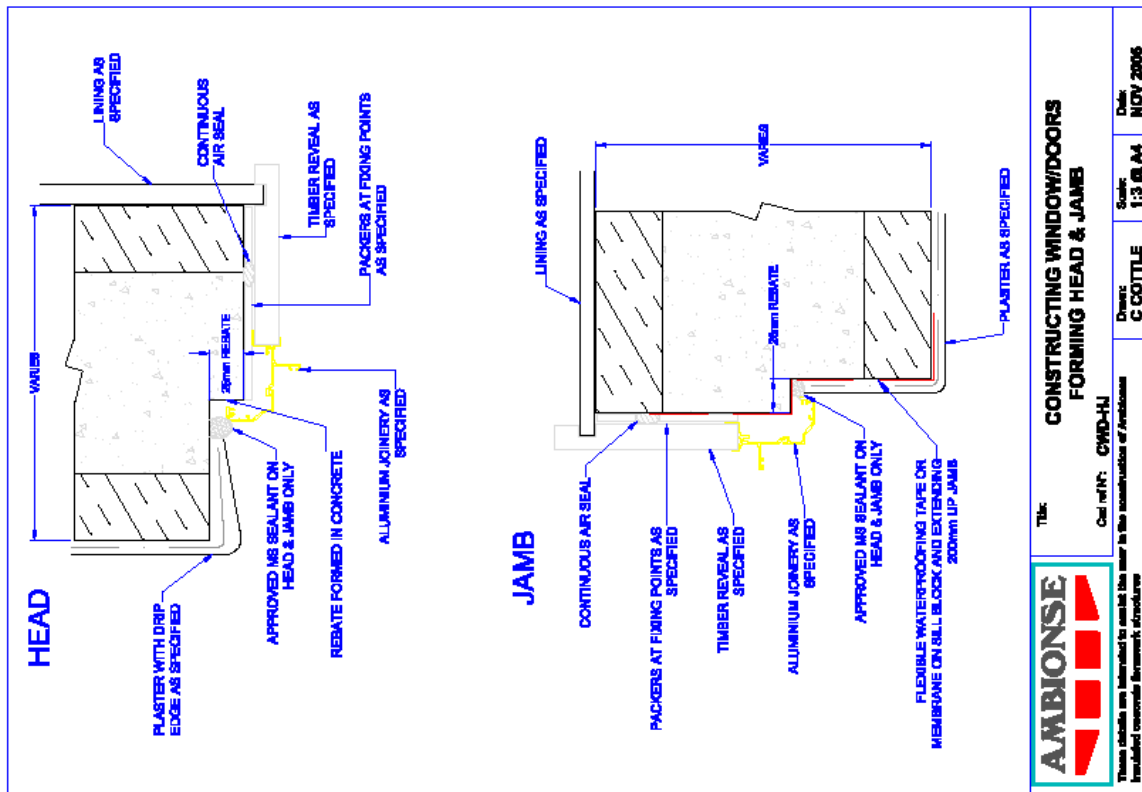


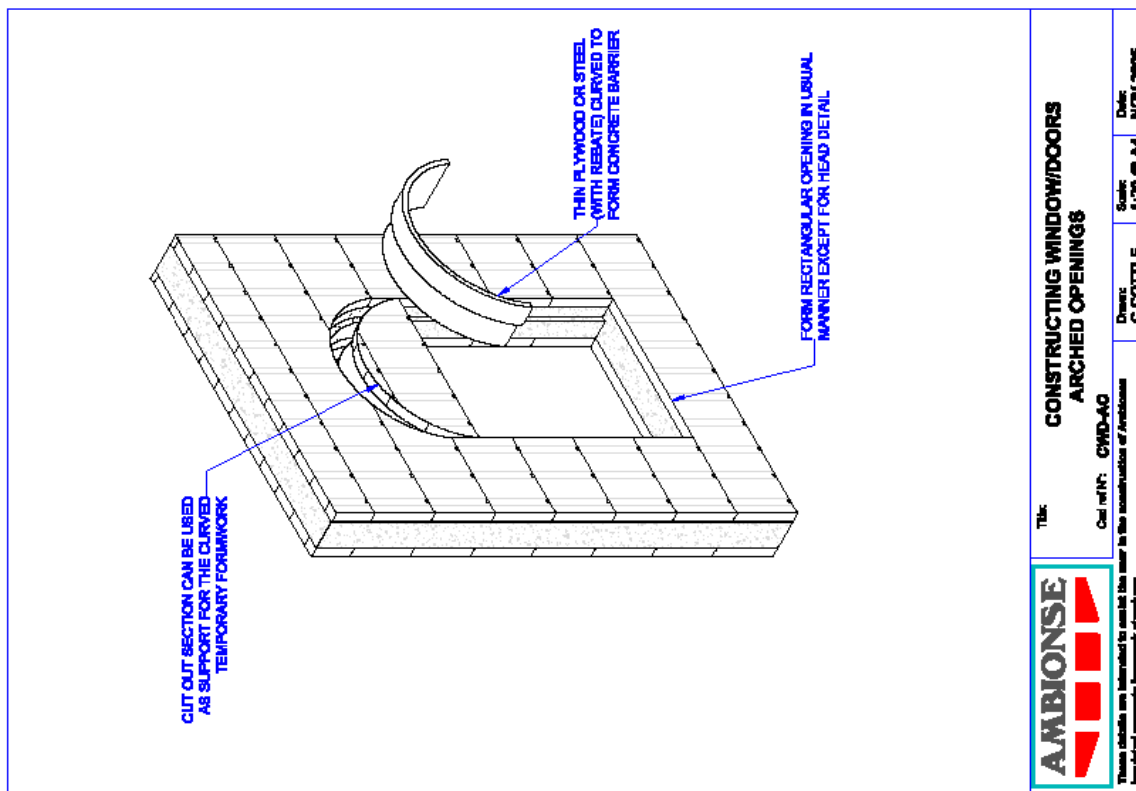
**CONNECTION TO STRUCTURES
CONCRETE MID-FLOOR**

Title: **CONNECTION TO STRUCTURES
CONCRETE MID-FLOOR**
 Cat ref N°: **CTS-CF**
 These details are intended to assist the user in the construction of Ambionse
 Insulated concrete formwork structures

Drawn: **C COTTLE**
 Scale: **1:10 @ A4**
 Date: **MAY 2006**







Title: **CONSTRUCTING WINDOW/DOORS**
ARCHED OPENINGS

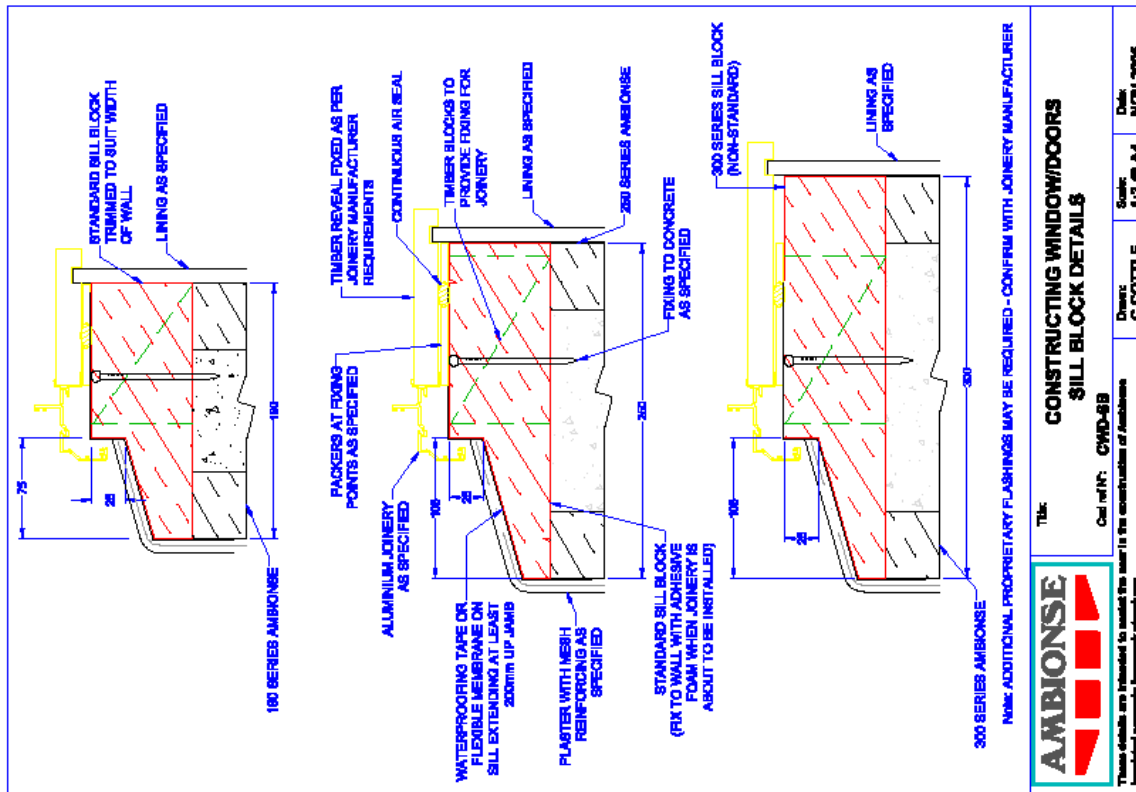
Call ref N: **CWD-AG**

These details are intended to assist the user in the construction of Ambionse Insulated concrete framework structures.

Drawn: **C COTTLE**

Scale: **1:20 @ A4**

Date: **NOV 2006**



Title: **CONSTRUCTING WINDOW/DOORS**
SILL BLOCK DETAILS

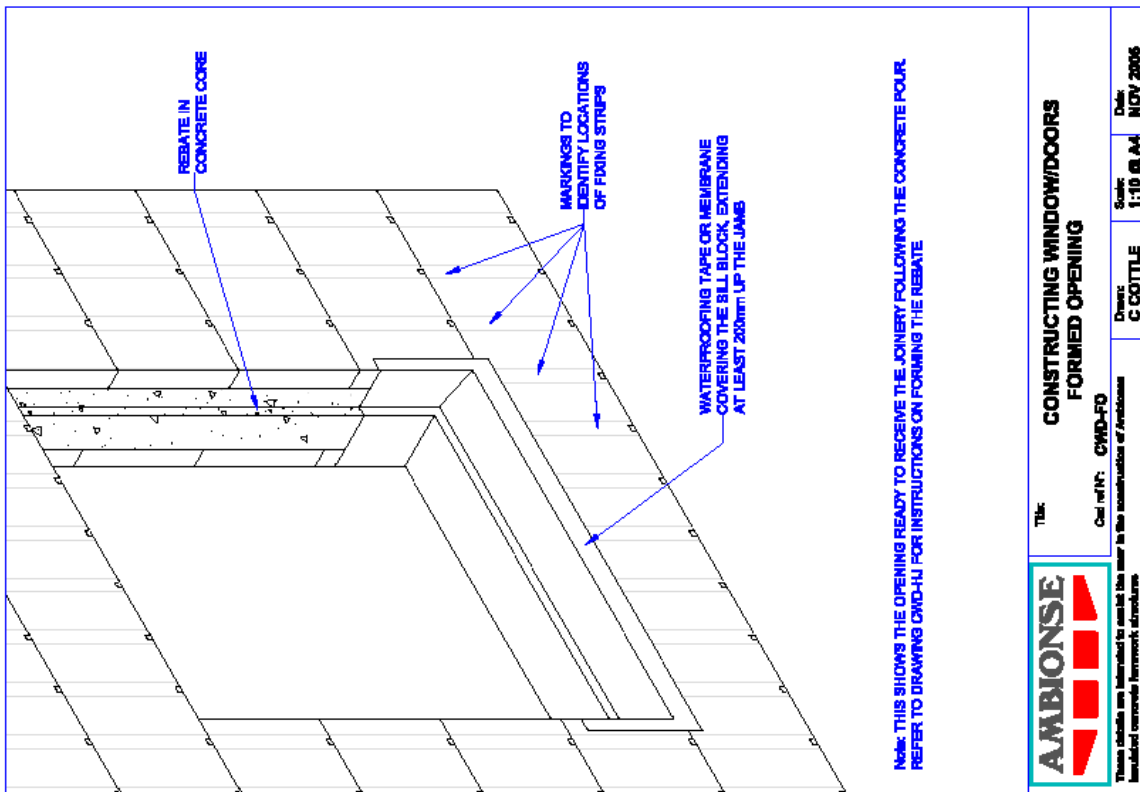
Call ref N: **CWD-SB**

These details are intended to assist the user in the construction of Ambionse Insulated concrete framework structures.

Drawn: **C COTTLE**

Scale: **1:3 @ A4**

Date: **NOV 2006**

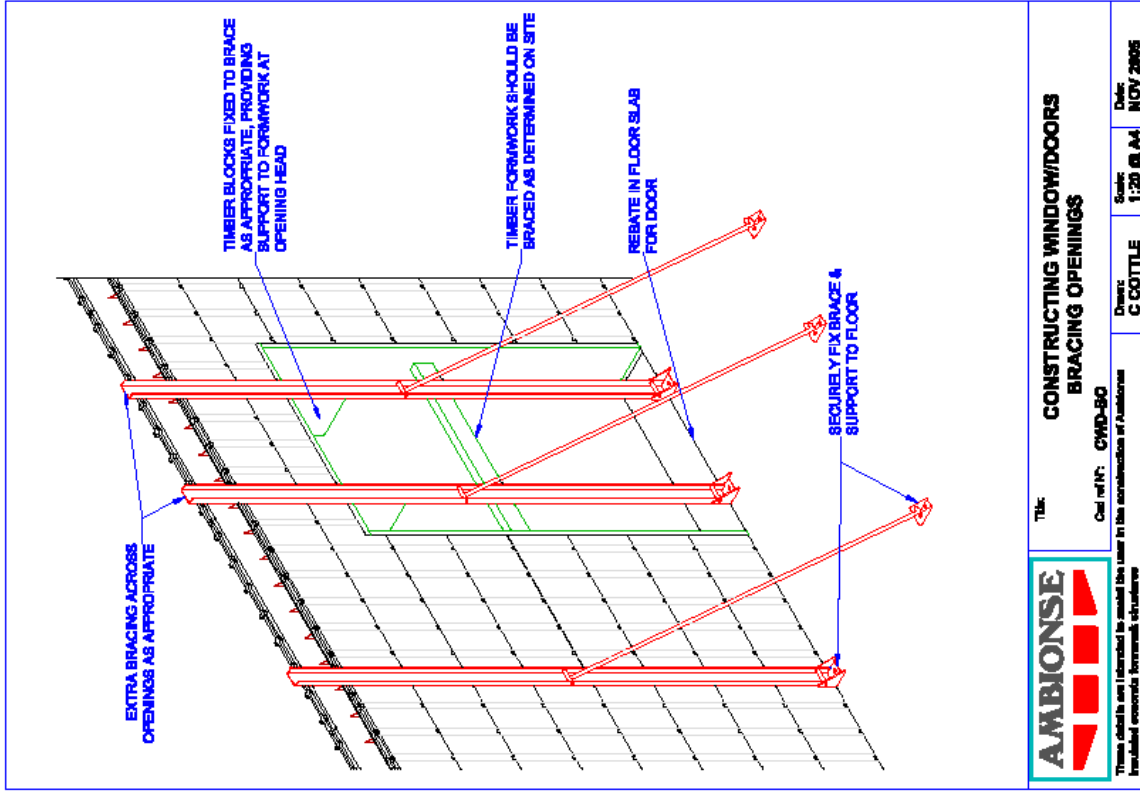


Title: **CONSTRUCTING WINDOW/DOORS FORMED OPENING**

Call ref N: **CWD-F0**

These details are intended to assist the user in the construction of Ambionse Insulated concrete Formwork structures

Drawn: **C COTTLE** Scale: **1:10 @ A4** Date: **NOV 2006**



Title: **CONSTRUCTING WINDOW/DOORS BRACING OPENINGS**

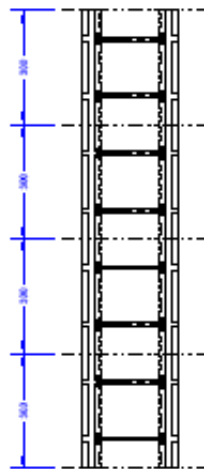
Call ref N: **CWD-B0**

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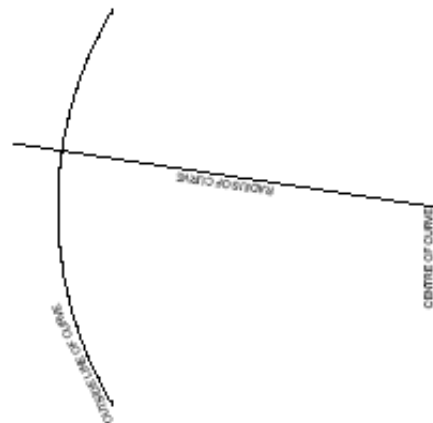
Drawn: **C COTTLE** Scale: **1:20 @ A4** Date: **NOV 2006**



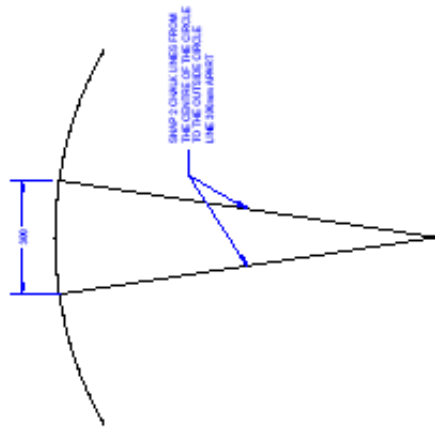
STEP 1 Cut the straight blocks into 300mm sections, keeping the bridges centred in the sections



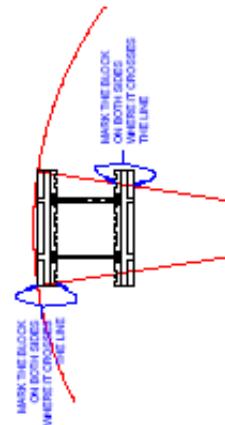
STEP 2 Mark the outside of the radius on the footing or slab and snap a chalk line extending beyond the mark for the outside radius



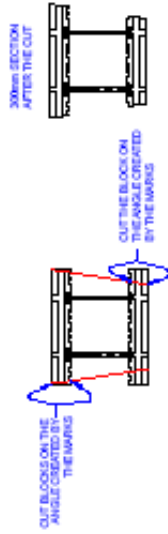
STEP 3 From the intersection of the two lines, measure 300mm and snap a chalk line to this point from the centre of the circle.



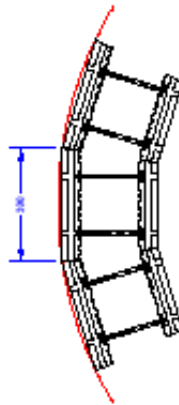
STEP 4 Place one of the 300mm sections on the outside curve line, making sure the outside corners of the block are at the locations of the chalk lines with the curve line



STEP 5 Cut the blocks on the marks, following the angle created by the marks.



STEP 6 Repeat Steps 4 & 5 until the proper number of blocks have been cut to form the curve.



STEP 7 Use cable/zip ties to secure the blocks together. Additional reinforcing such as flexible plywood, or strapping should be used to prevent the blocks opening up during the concrete pour

