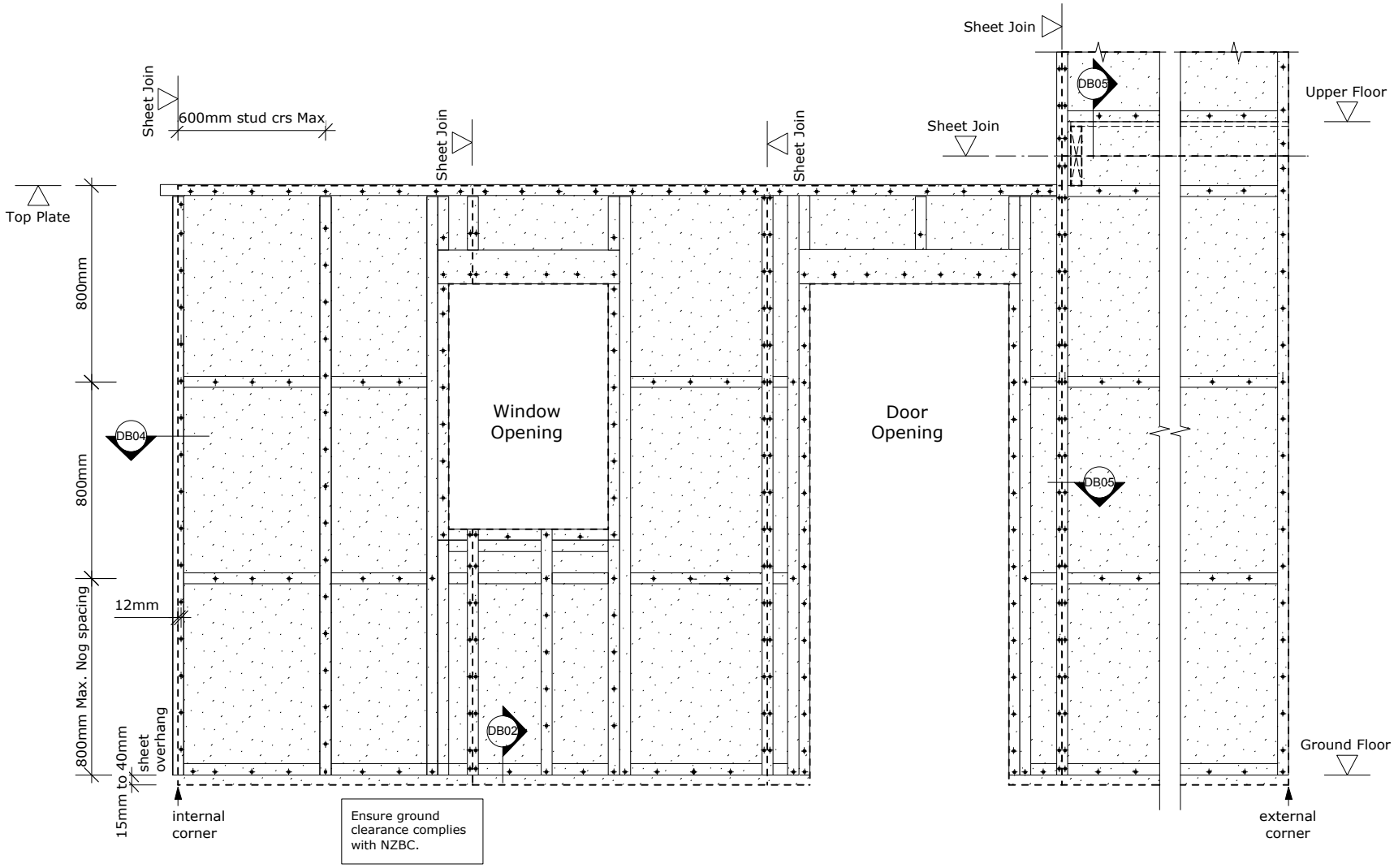
Note 1:
BGC Durabarrier™ must be fixed vertically with all sheet edges sealed before fixing.

BGC Fibre Cement



PROFILE BGC Durabarrier™

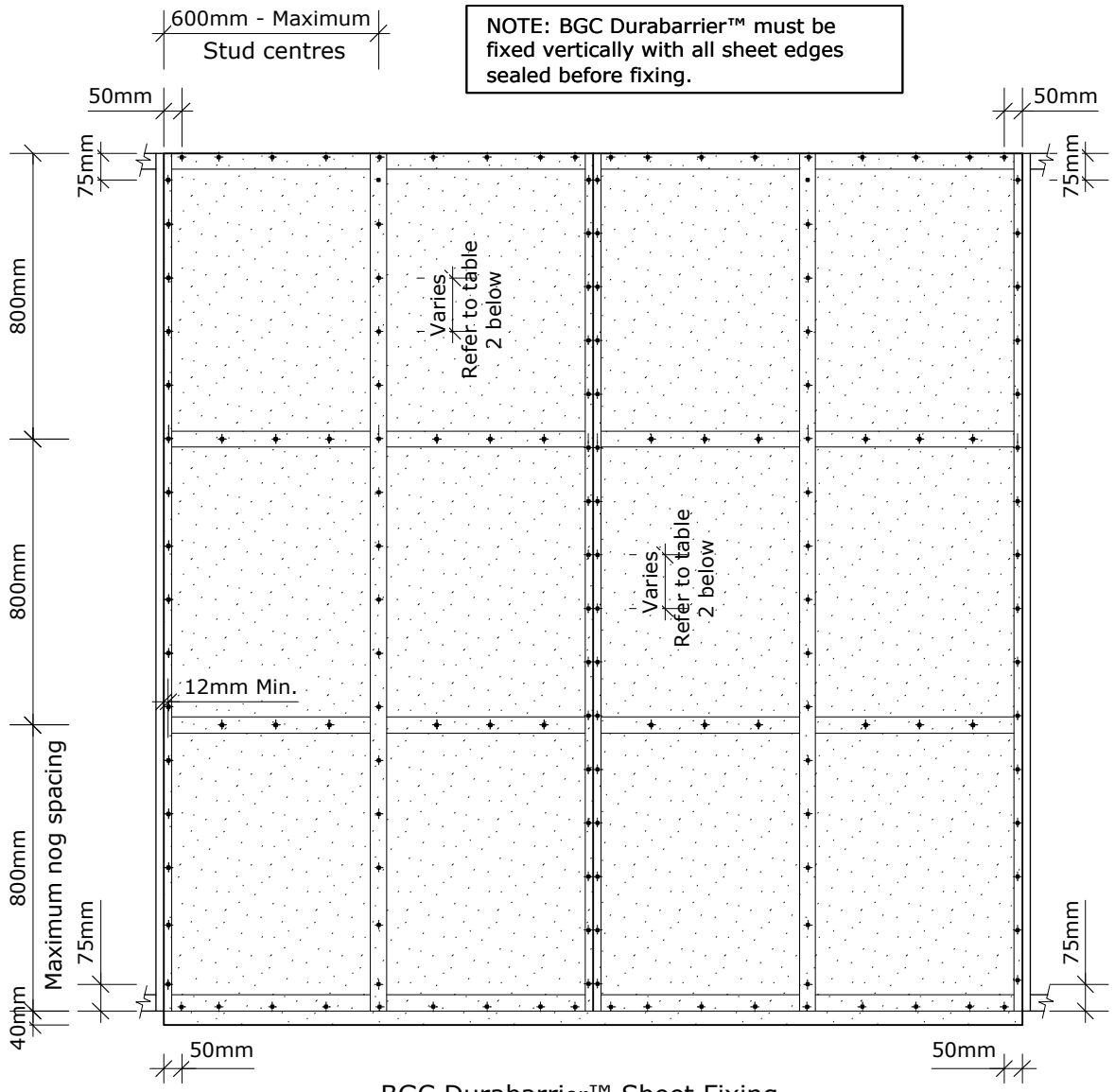
DETAIL Wall Elevation

DATE May 2011

SCALE 1:25 @ A4

DETAIL NO. DB00

BGC Fibre Cement



BGC Durabarrier™ Sheet Fixing

Table 2: BGC Durabarrier™ Fixing Centres

NZS 3604 Building Wind Zone	Fixing Centres to Studs, Plates and Dwangs	
	BGC Durabarrier™ 4.5mm	BGC Durabarrier™ 6.0mm
Low	300 mm	300 mm
Medium	300 mm	300 mm
High	200 mm	300 mm
Very High	200 mm	200 mm
<2.5kPa	150 mm	200 mm

PROFILE BGC Durabarrier™

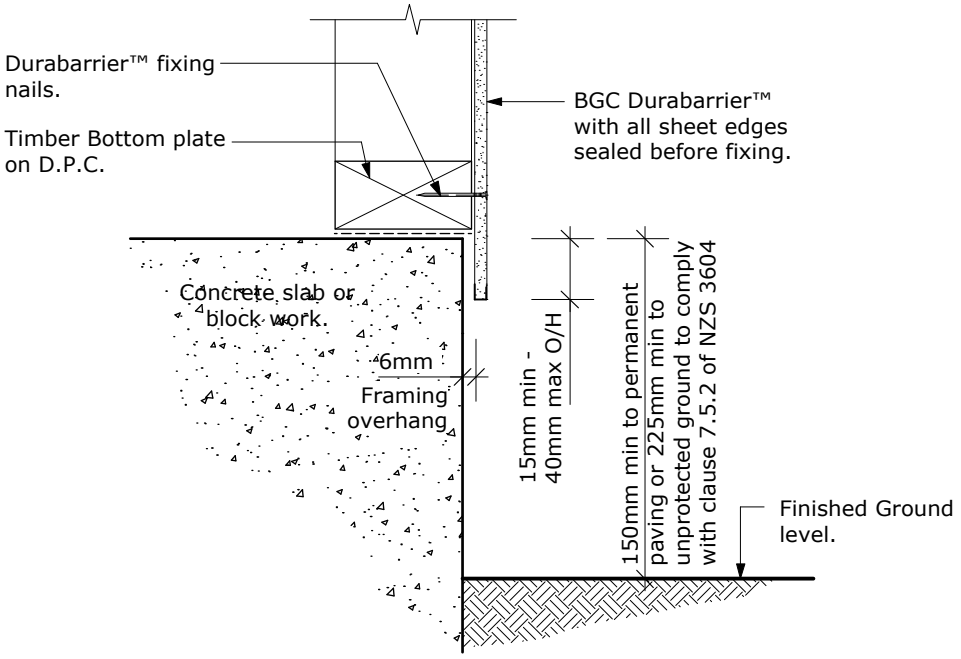
DETAIL Sheet Fixing

DATE May 2011

SCALE 1:20 @ A4

DETAIL NO. DB 01

BGC Fibre Cement



PROFILE BGC Durabarrier™

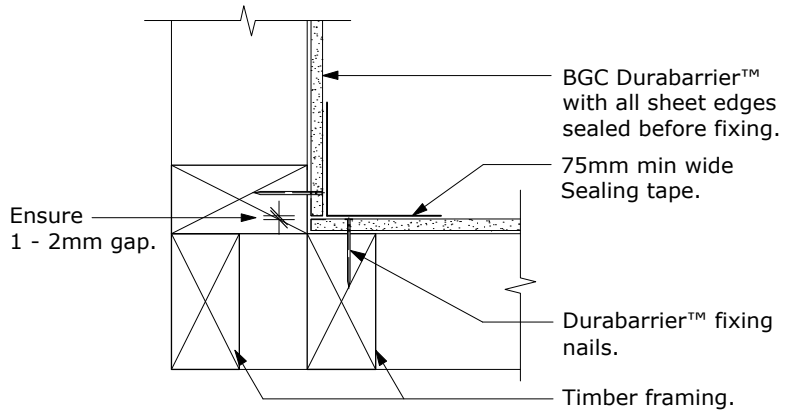
DETAIL Concrete Foundation Detail

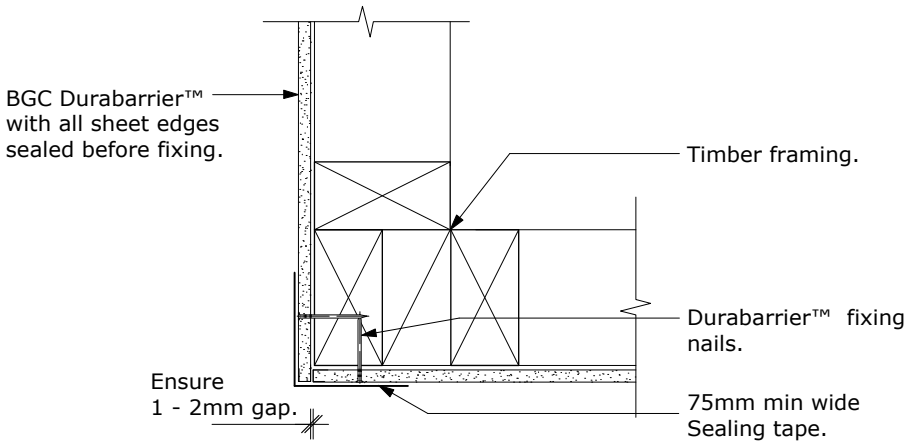
DATE May 2011

SCALE 1:5 @ A4

DETAIL NO. DB 02

BGC Fibre Cement





PROFILE BGC Durabarrier™

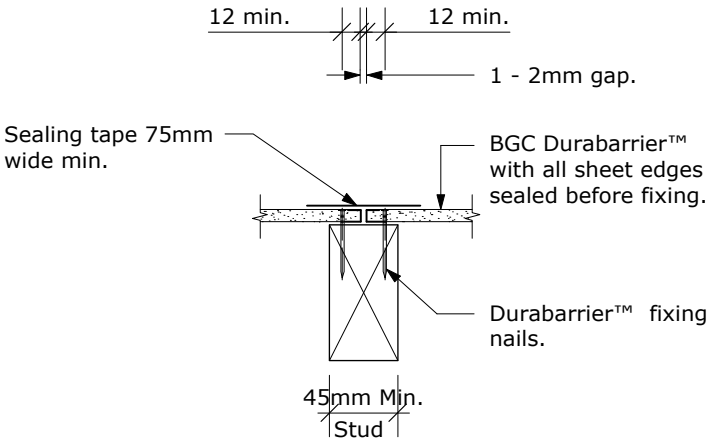
DETAIL Internal & External Corner Details

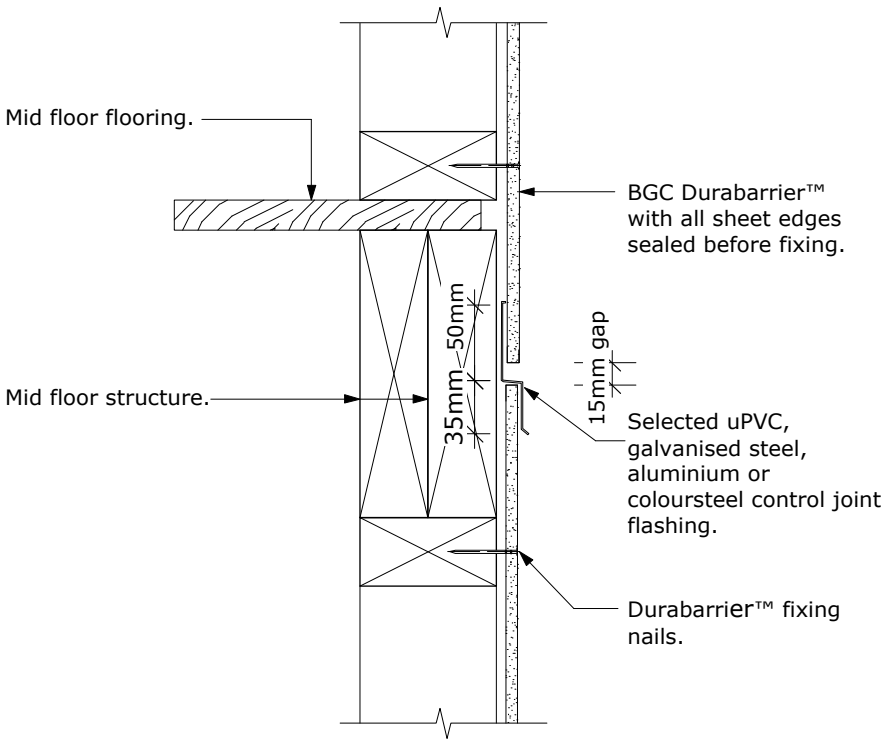
DATE May 2011

SCALE 1:5 @ A4

DETAIL NO. DB 03

BGC Fibre Cement





PROFILE BGC Durabarrier™

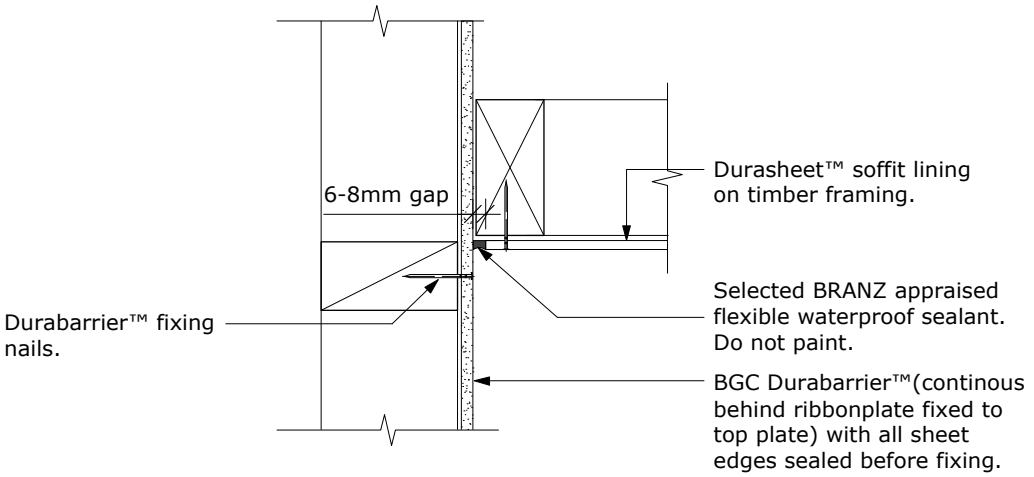
DETAIL Vertical and Horizontal Joints

DATE May 2011

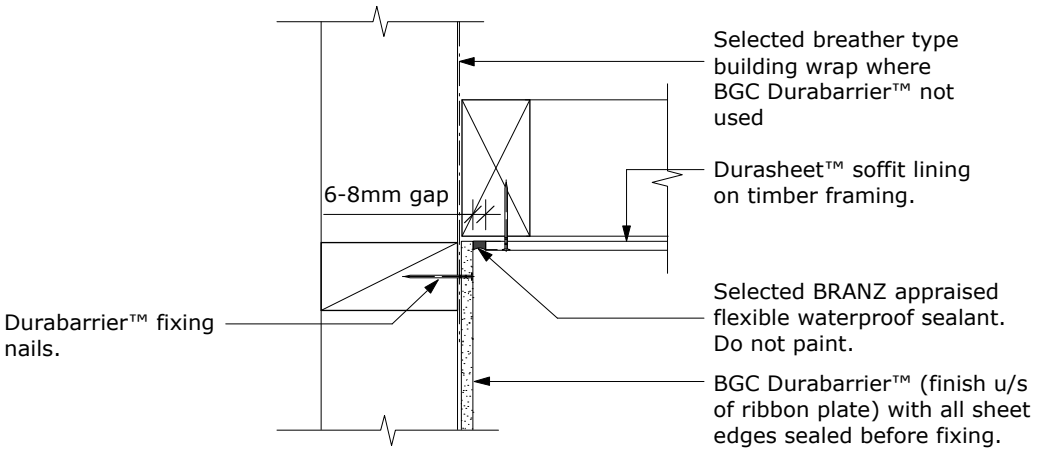
SCALE 1:5 @ A4

DETAIL NO. DB 04

BGC Fibre Cement



For Bracing



Non Bracing

PROFILE BGC Durabarrier™

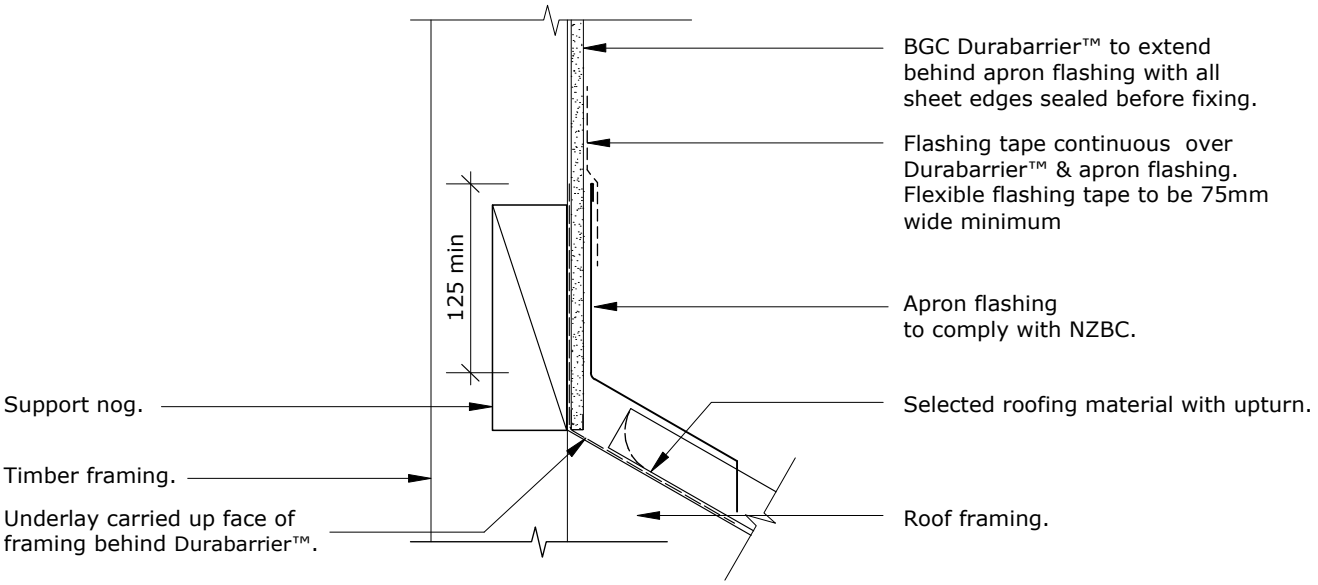
DETAIL Soffit Junction Detail

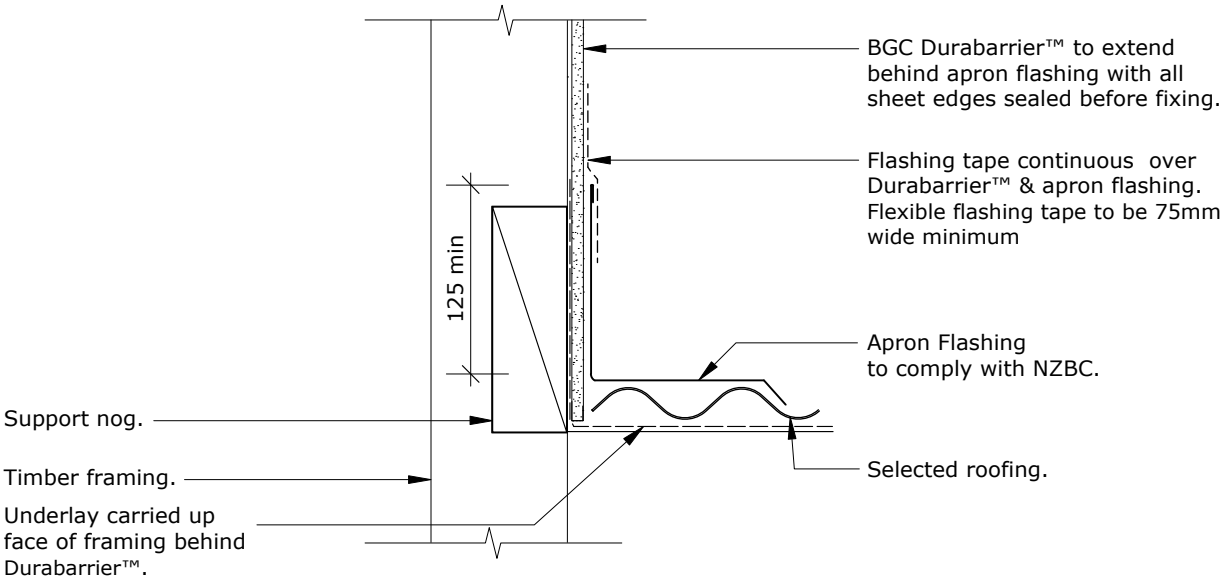
DATE May 2011

SCALE 1:5 @ A4

DETAIL NO. DB 05

BGC Fibre Cement





PROFILE BGC Durabarrier™

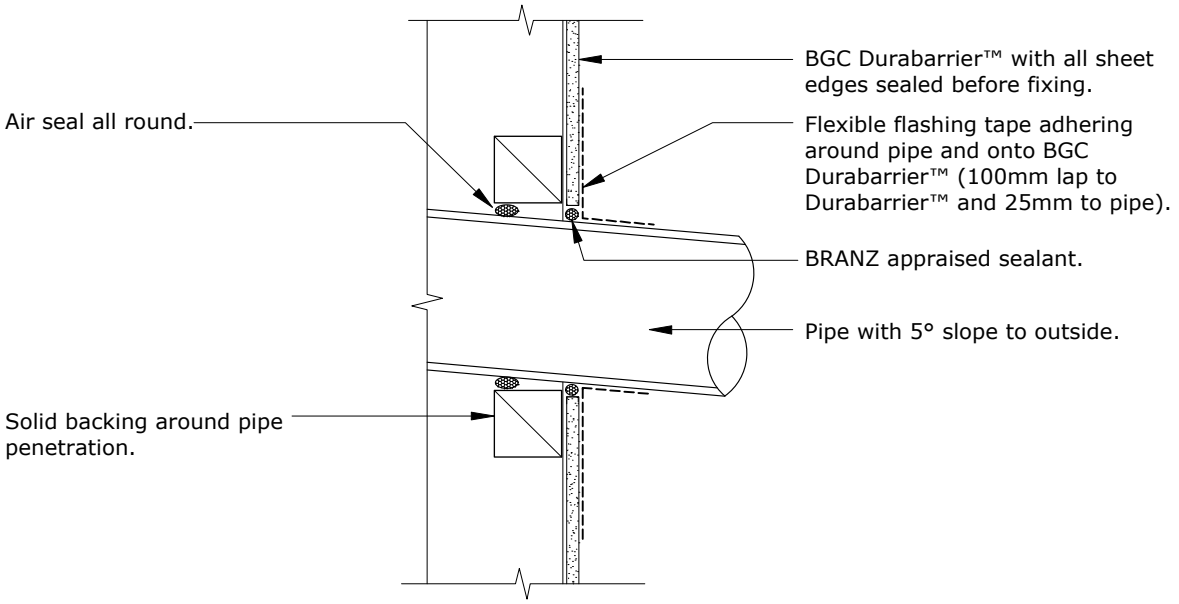
DETAIL Transverse Apron Flashing & Parallel Apron Flashing Details

DATE May 2011

SCALE 1:5 @ A4

DETAIL NO. DB 06

BGC Fibre Cement



PROFILE BGC Durabarrier™

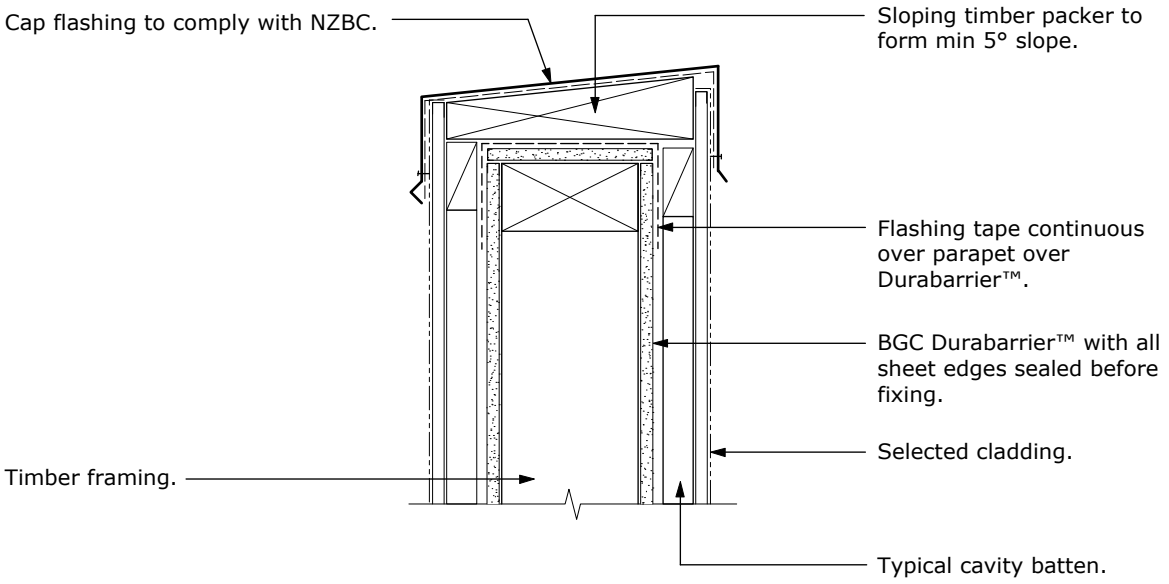
DETAIL Pipe Penetration Detail

DATE May 2011

SCALE 1:5 @ A4

DETAIL NO. DB 07

BGC Fibre Cement



PROFILE BGC Durabarrier™

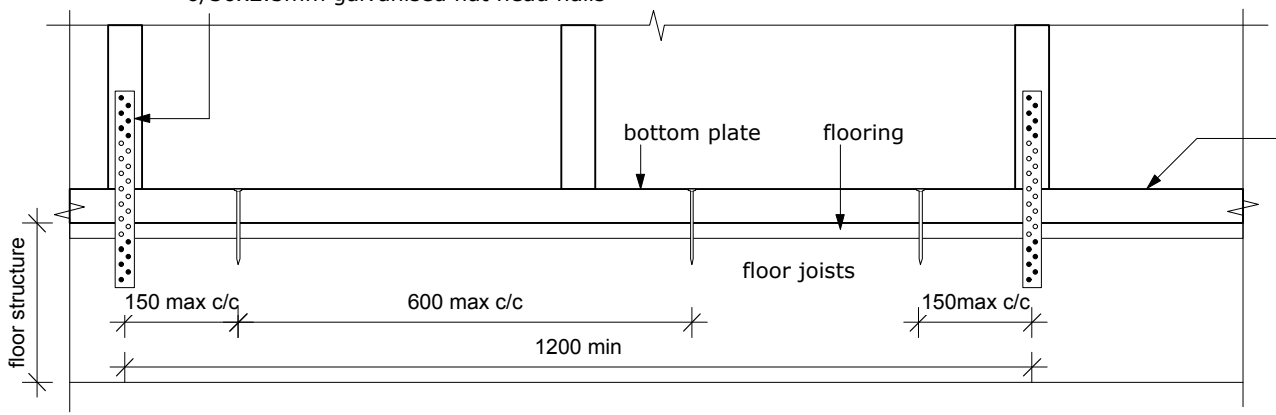
DETAIL Balustrade Detail

DATE May 2011

SCALE 1:5 @ A4

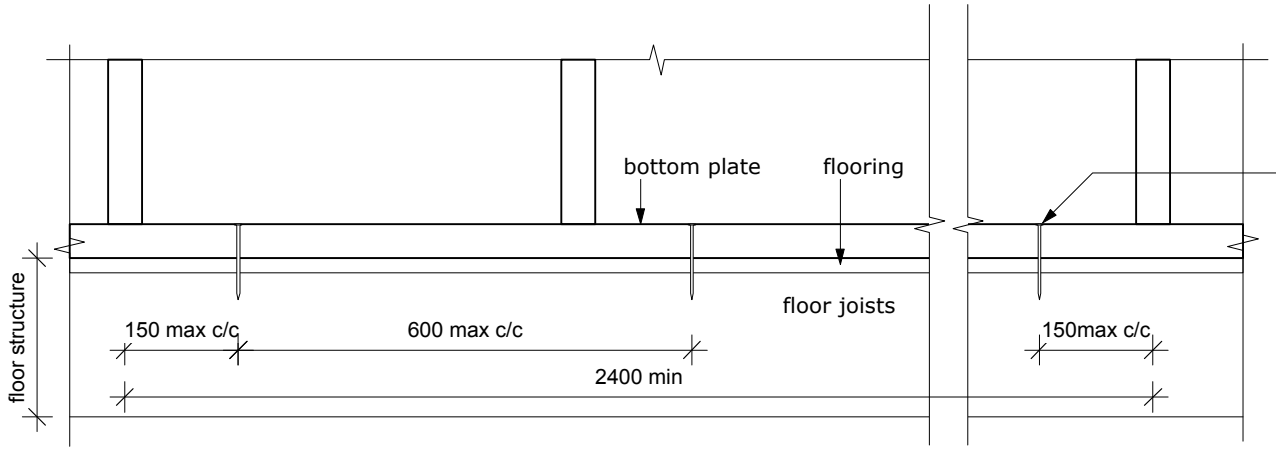
DETAIL NO. DB 08

BGC - DB1
Secure every 2nd stud (at sheet sides) to floor joists with 260x25x1.0mm galv mild steel strap, fixed each end with 6/30x2.5mm galvanised flat head nails



Bottom plate to be nailed to 100mm wide joist (or blocking) using 2/100x4.0 galvanised flathead nails at maximum 600mm crs. These must be equally spaced across the plate width

Brace Panel Hold Down - Construction Detail
BGC 6.0mm Durabarrier™ - DB1 (1200mm Min)
Timber Floor



Bottom plate to be nailed to 100mm wide joist (or blocking) using 2/100x4.0 galvanised flathead nails at maximum 600mm crs. These must be equally spaced across the plate width

Brace Panel Hold Down - Construction Detail
BGC 6.0mm Durabarrier™ - DB2 (2400mm Min)
Timber Floor

PROFILE BGC Durabarrier™

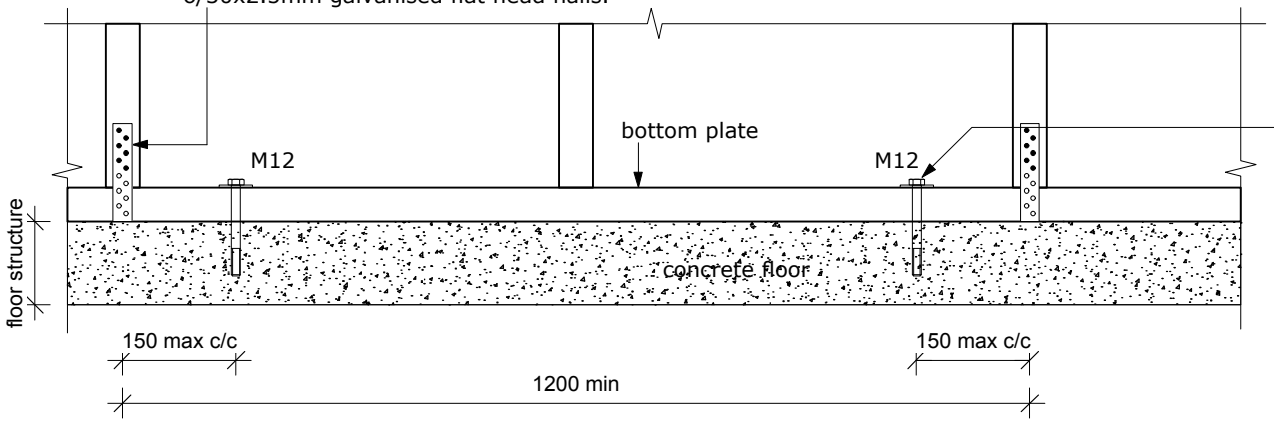
DETAIL Timber Floor -Brace Element Hold Down

DATE May 2011
SCALE 1:10 @ A4

DETAIL NO. DB 09

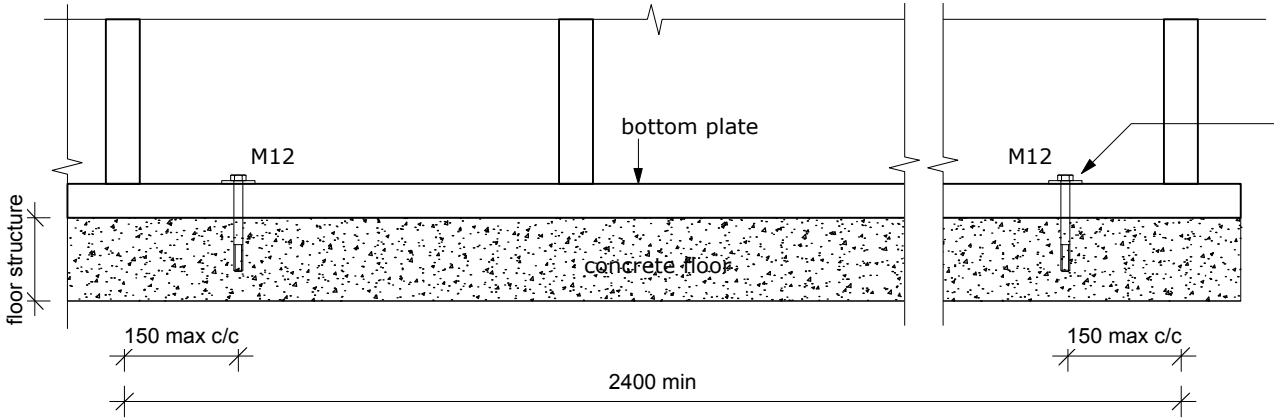
BGC - DB3
Secure every 2nd stud (at sheet edge) to bottom plate with 130x90x130x25x1.0mm galv mild steel "U" bracket, fixed each end with
6/30x2.5mm galvanised flat head nails.

BGC Fibre Cement



M12 x 150mm HD Galv hold down bolts with 50x50x3.0mm HD Galv sq washer, or proprietary anchors with a minimum characteristic pullout strength of 15kN and embedded at least 75mm into concrete foundation. Hold downs to be fixed max 150mm from panel ends

Brace Panel Hold Down - Construction Detail
BGC 6.0mm Durabarrier™ - DB3 (1200mm Min)
Concrete Floor



M12 x 150mm HD Galv hold down bolts with 50x50x3.0mm HD Galv sq washer, or proprietary anchors with a minimum characteristic pullout strength of 15kN and embedded at least 75mm into concrete foundation. Hold downs to be fixed max 150mm from panel ends

Brace Panel Hold Down - Construction Detail
BGC 6.0mm Durabarrier™ - DB4 (2400mm Min)
Concrete Floor

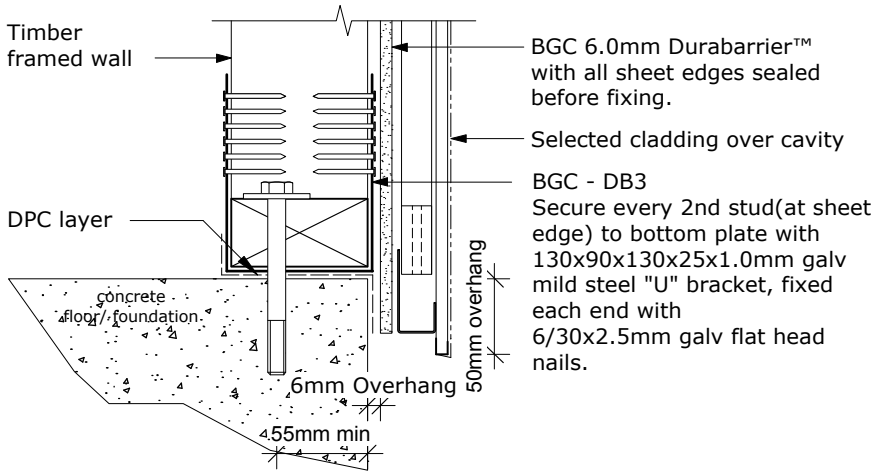
PROFILE BGC Durabarrier™

DETAIL Concrete Floor - Brace Element Hold Down

DATE May 2011
SCALE 1:10 @ A4

DETAIL NO. DB 10

BGC Fibre Cement



Brace Element Hold Down - Construction Detail
BGC 6.0mm Durabarrier™ - DB3 Sheet overhang & Bracket (concrete floor)

PROFILE BGC Durabarrier™

DETAIL Brace Element Hold Down - Section

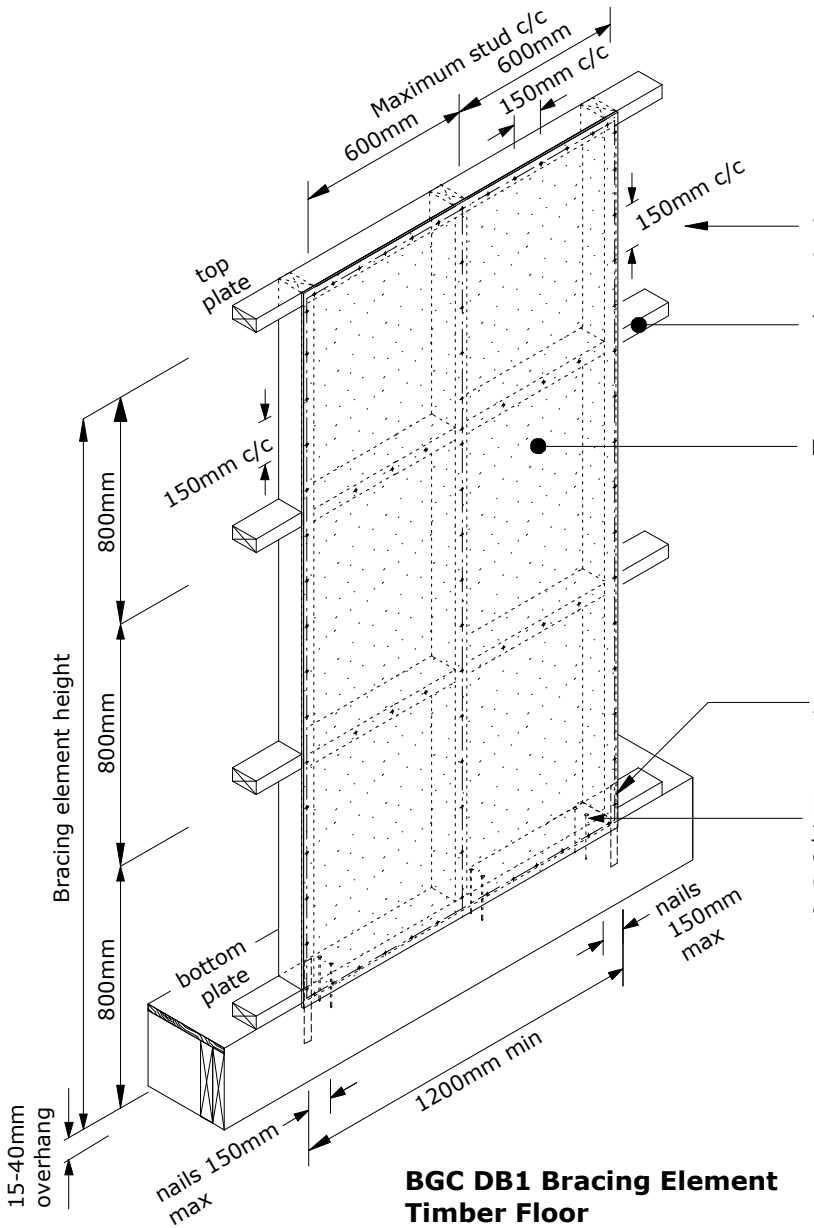
DATE May 2011

SCALE 1:5 @ A4

DETAIL NO. DB 11

BGC Fibre Cement

DB1 - 1200mm minimum length



Vertical Fixings
40x2.8mmØ s/s nails @ 150 c/c max
(also refer notes for min edge distance)

Timber Framing

BGC 6.0mm Durabarrier™

Secure every 2nd stud (at sheet sides) to floor joists with 260x25x1.0mm galv mild steel strap, fixed each end with 6/30x2.5mm galvanised flat head nails

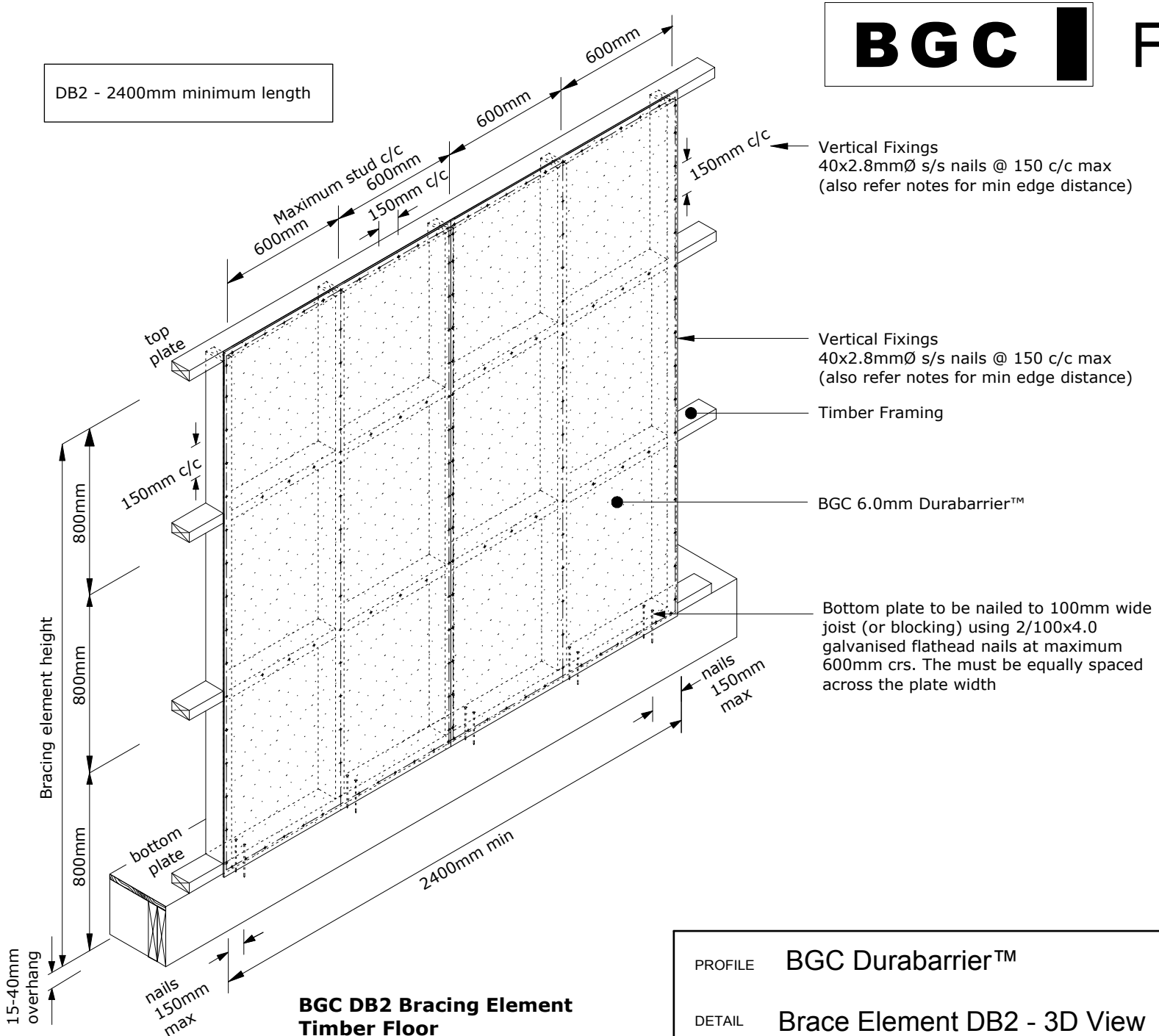
Bottom plate to be nailed to 100mm wide joist (or blocking) using 2/100x4.0 galvanised flathead nails at maximum 600mm crs. The must be equally spaced across the plate width

BGC DB1 Bracing Element
Timber Floor

PROFILE	BGC Durabarrier™	DATE	May 2011
		SCALE	1:25 @ A4
DETAIL	Brace Element DB1 - 3D View	DETAIL NO.	DB 12

BGC Fibre Cement

DB2 - 2400mm minimum length



Vertical Fixings
40x2.8mmØ s/s nails @ 150 c/c max
(also refer notes for min edge distance)

Vertical Fixings
40x2.8mmØ s/s nails @ 150 c/c max
(also refer notes for min edge distance)

Timber Framing

BGC 6.0mm Durabarrier™

Bottom plate to be nailed to 100mm wide joist (or blocking) using 2/100x4.0 galvanised flathead nails at maximum 600mm crs. The must be equally spaced across the plate width

BGC DB2 Bracing Element
Timber Floor

PROFILE BGC Durabarrier™

DETAIL Brace Element DB2 - 3D View

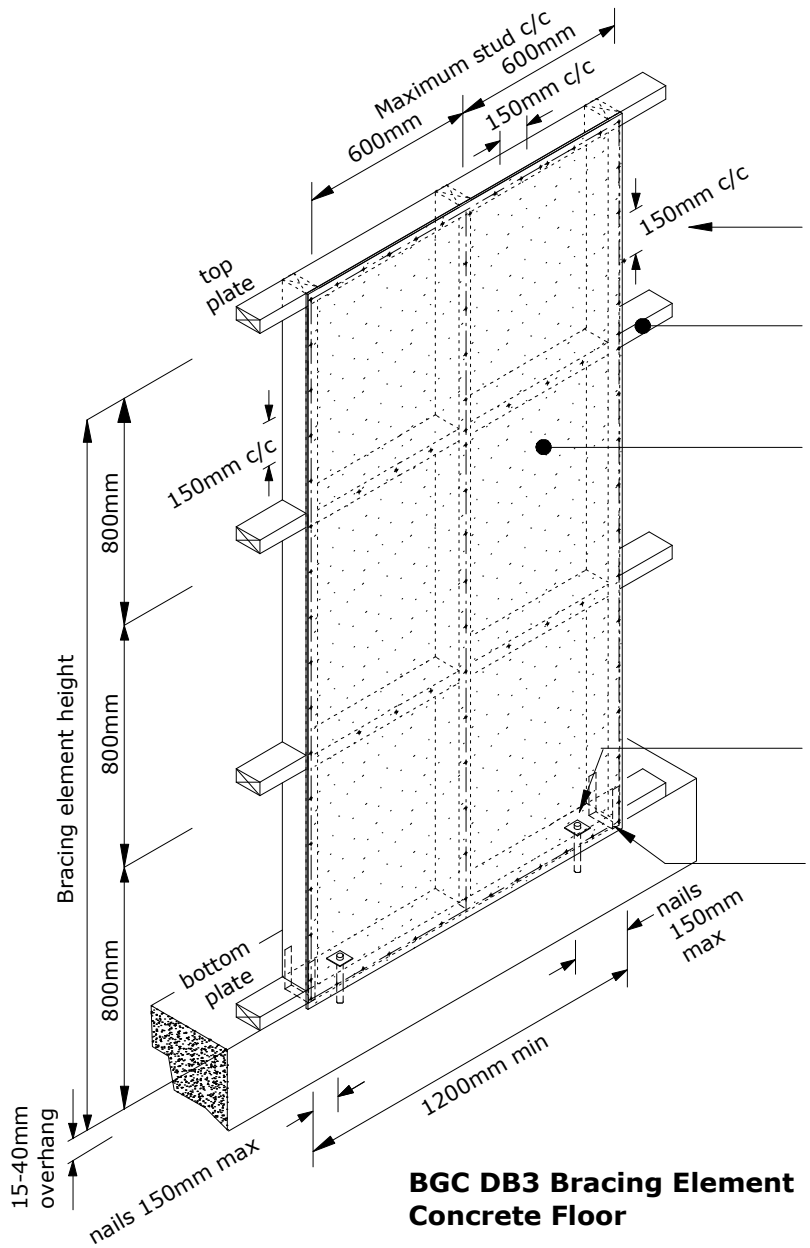
DATE May 2011

SCALE 1:25 @ A4

DETAIL NO. DB 13

BGC Fibre Cement

DB3 - 1200mm minimum length



Vertical Fixings
40x2.8mmØ s/s nails @ 150 c/c max
(also refer notes for min edge distance)

Timber Framing.

BGC 6.0mm Durabarrier™

End Stud Hold Down (Concrete Floor)
M12x150mm Hot Dipped Galv Bolts, 150mm from end stud & 1400mm max c/c with 50x50x3.0mmØ Hot Dipped Galv washer, or proprietary anchors with a minimum characteristic pullout strength of 15kN each end, Bottom Plate fixed as per NZS:3604.

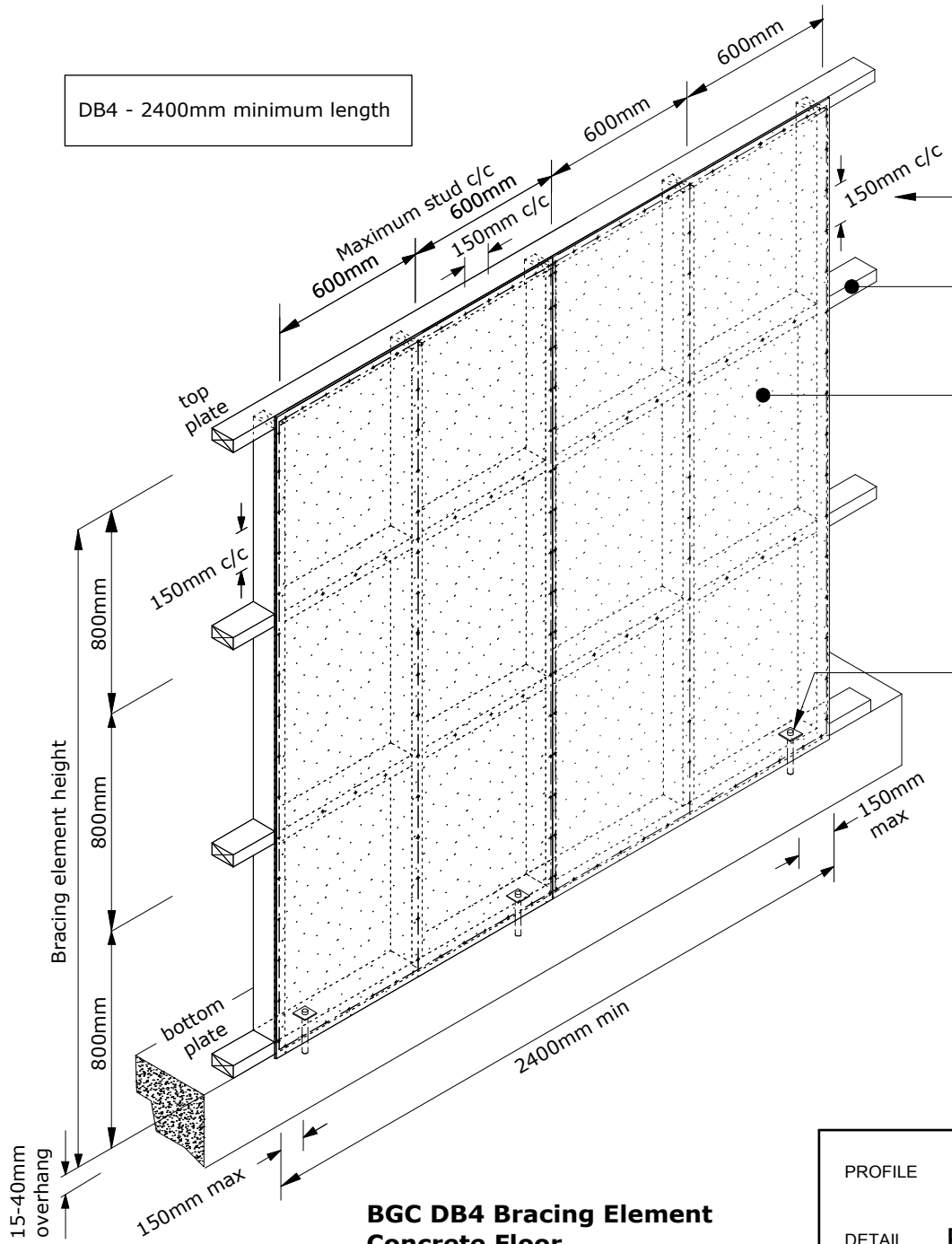
130x90x130x25x1.0mm galv mild steel "U" bracket, fixed each end with 6/30x2.5mm galv flat head nails.

BGC DB3 Bracing Element
Concrete Floor

PROFILE	BGC Durabarrier™	DATE	May 2011
		SCALE	1:25 @ A4
DETAIL	Brace Element DB3- 3D View	DETAIL NO.	DB 14

BGC Fibre Cement

DB4 - 2400mm minimum length



Vertical Fixings
40x2.8mmØ s/s nails @ 150 c/c max
(also refer notes for min edge distance)

Timber Framing.

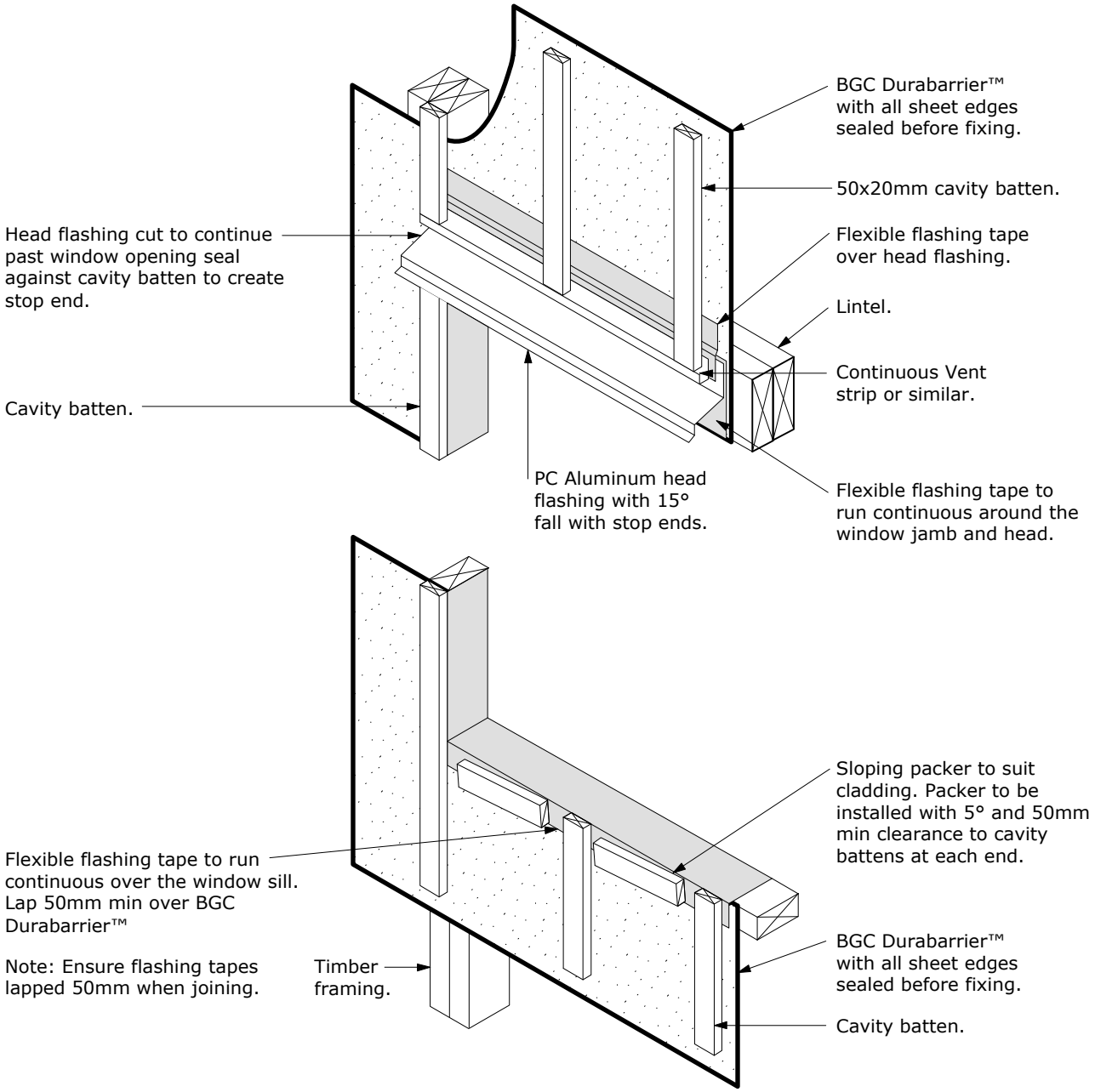
BGC 6.0mm Durabarrier™

End Stud Hold Down (Concrete Floor)
M12x150mm Hot Dipped Galv Bolts, 150mm from end stud & 1400mm max c/c with 50x50x3.0mmØ Hot Dipped Galv washer, or proprietary anchors with a minimum characteristic pullout strength of 15kN each end, Bottom Plate fixed as per NZS:3604.

BGC DB4 Bracing Element
Concrete Floor

PROFILE	BGC Durabarrier™
DETAIL	Brace Element DB4- 3D View
DATE	May 2011
SCALE	1:25 @ A4
DETAIL NO.	DB 15

BGC Fibre Cement



PROFILE BGC Durabarrier™

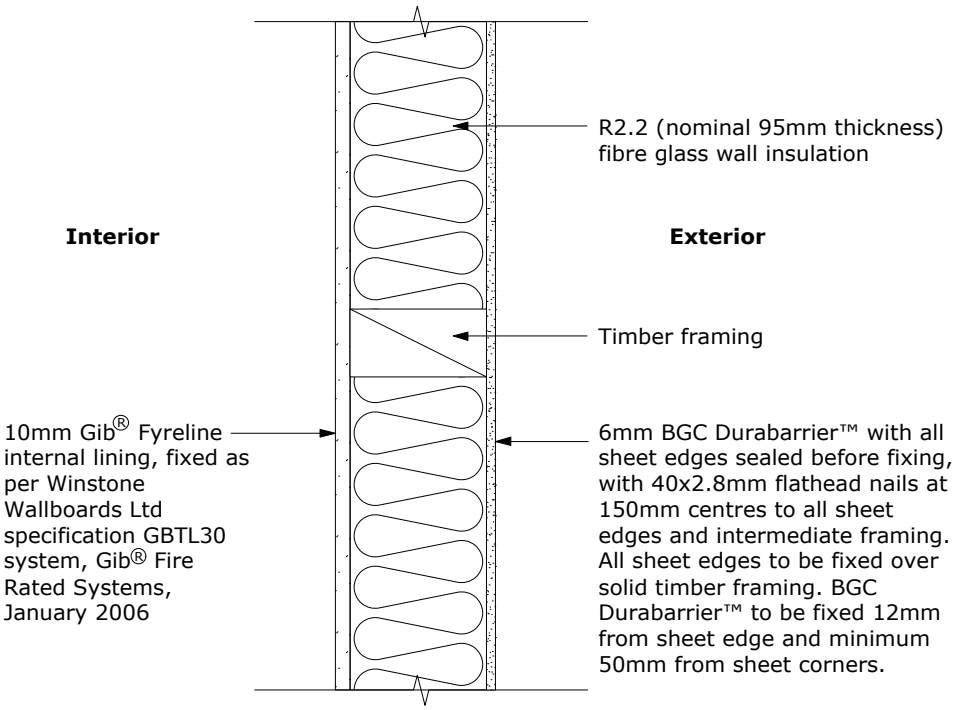
DETAIL 3D Window Section

DATE May 2011

SCALE NTS @ A4

DETAIL NO. DB 16

BGC Fibre Cement



FIRE RATING NOTE:
REFER TO FIRE RATING SECTION IN BGC 6.0mm DURABARRIER™ PRODUCT LITERATURE FOR FURTHER FIRE RATING DETAILS

TIMBER FRAMING:
TIMBER FRAMING TO BE MINIMUM 90mm DEEP X 45mm WIDE, IN ACCORDANCE WITH NZS3604. STUDS AT MAXIMUM 600mm CENTRES. NOGGINGS AT MAXIMUM 800mm CENTRES. DOUBLE OR STAGGERED STUDS MAY BE USED.

LOADINGS: MAXIMUM LOAD PER STUD, AS PER TABLE BELOW:

ULTIMATE STRENGTH (kN PER STUD) FOR FIRE EMERGENCY LOADING FOR 30 MINUTES

ACTUAL STUD SIZE (mm)	WALL HEIGHT(m)								
	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8
90X45	10.5	8.8	7.4	6.2	5.3	4.4	3.7	3.2	2.6
120X45	22.4	19.7	17.3	15.2	13.3	11.6	10.2	8.9	7.8
140X45	31.6	28.6	25.7	23.0	20.5	18.3	16.3	14.5	12.9

PROFILE BGC Durabarrier™

DETAIL 30/30/30 Fire Rating Detail

DATE May 2011

SCALE 1:5 @ A4

DETAIL NO. DB 17