

BASEMENT PLAN
1:50

- Engineering brick wall 200 thk in mortar type III 1:1.5 to 6
- Light Blockwork 7.1 N/m² 100 thk in mortar type III 1:1.5 to 6
- RSA 120x120x10 + 1 M16 @ 600 mm to support B+B

FOR DETAILS SEE 1733-1

FOR CONSTRUCTION

ENGINEER'S CONSTRUCTION NOTES

GENERAL
To be read in conjunction with all Engineers' drawings and method statement and with all architectural drawings and specifications. Seek instructions in the event of any conflict.
Do not scale - please ask for information.
Some notes may not apply.

FOUNDATIONS
Concrete to foundations to be grade 30. Use sulphate resisting cement below d.p.c./d.p.m. if recommended by Building Control officer.

STRUCTURAL STEELWORK
Internal members grade S275: sizes 1016 x 305, 914 x 419, 356 x 406 to be BS EN 10025 S275 J0
All other I and H sections and channels to be BS EN 10025 S275 JR
Internal members grade S355 above 610 x 229 UB 140 and 356 x 368 UC 202 to be BS EN 10025 S355 JR
All other I, H and channel sections to be BS EN 10025 S355 J0.

Structural hollow sections to be BS EN 10210 S355 J2H or 'Celcius'.

Connections All bolts to be grade 8.8 in holes 2mm bigger than nominal bolt size, unless otherwise stated. Welds to be shop welds, but site welds may be used with prior agreement of the Engineer and Building Control Officer and may be subject to testing at Contractor's expense.

Double beams to be bolted together using M16 bolts at 1,500mm max centres with steel tube spacers.

Padstones to be grade 30 concrete. At Contractor's option and with the approval of the CA and Building Control officer padstones may be constructed from 35N/mm² engineering bricks and 1:3 mortar, in which case the height of the padstone is to be made at least 50% more than that specified. Alternatively padstones may be cut carefully using an angle grinder from Bournecrete type R15A 100 x 150 precast lintels.

Beam bearings on padstones to be full width of padstone if up to 150mm, or at least 2/3 of the length of the padstone in the direction of the beam span if greater than 150mm, unless otherwise specified on the drawings.

Fire protection All steel to be protected from fire to 30 minute standard or as specified elsewhere to the satisfaction of the CA and Building Control.

STRUCTURAL CONCRETE

All concrete to conform to BS 8110-1:1997.

Minimum C35 with 40 mm cover.

Waterproofing to conform with BS EN 934.

Basement to be type B from BS 8102-2009.

All water proof elements to conform to BS

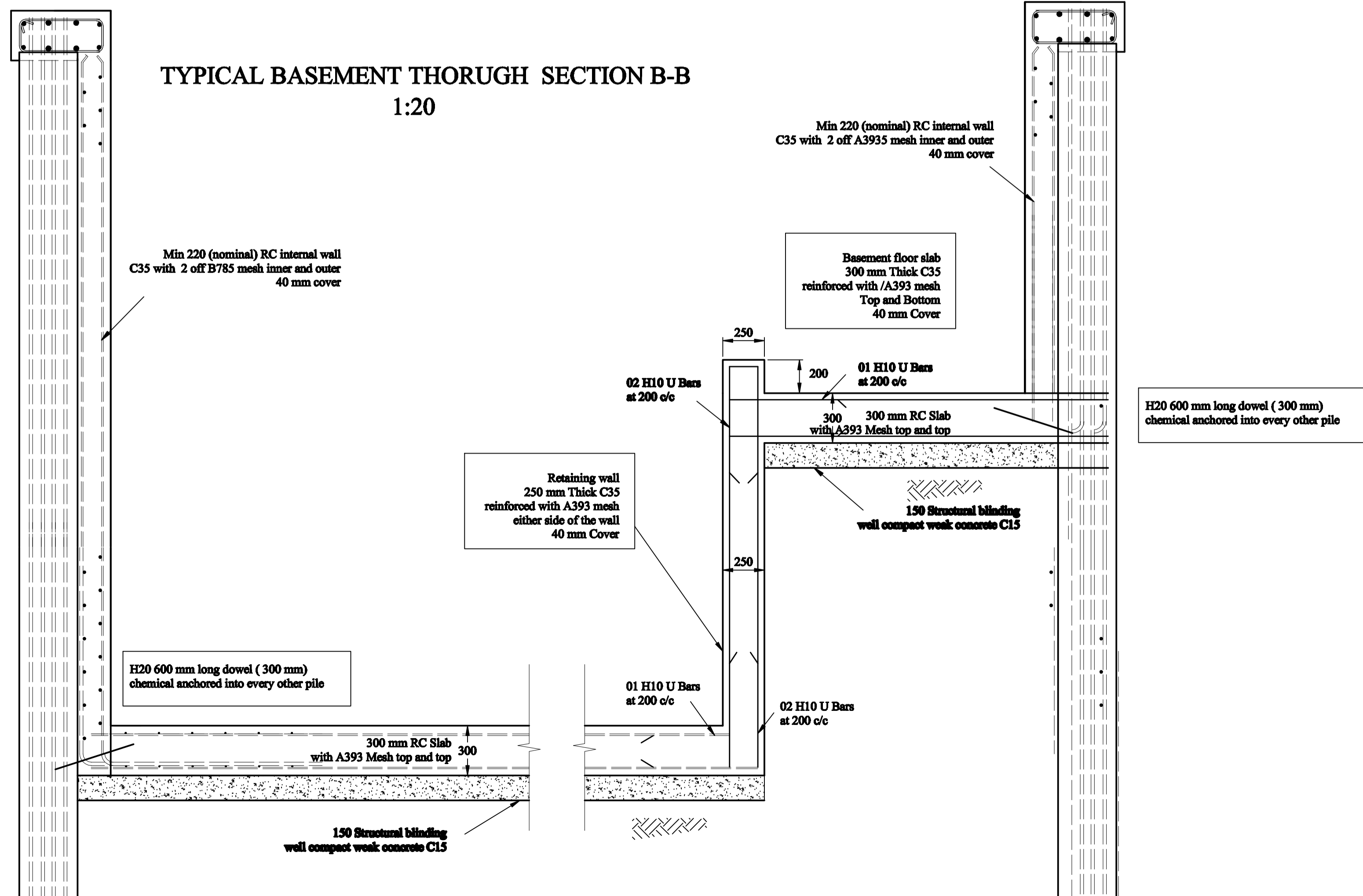
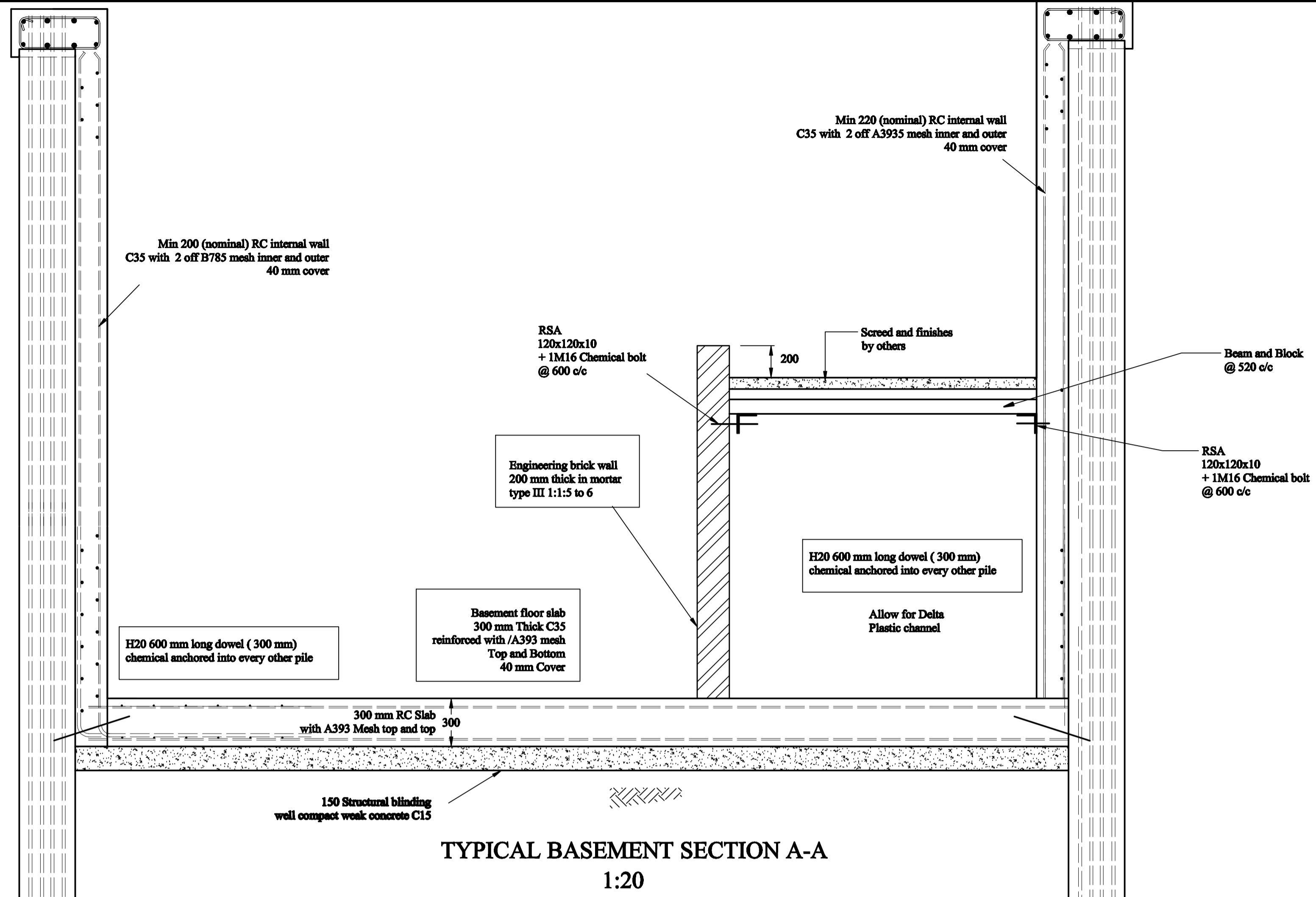
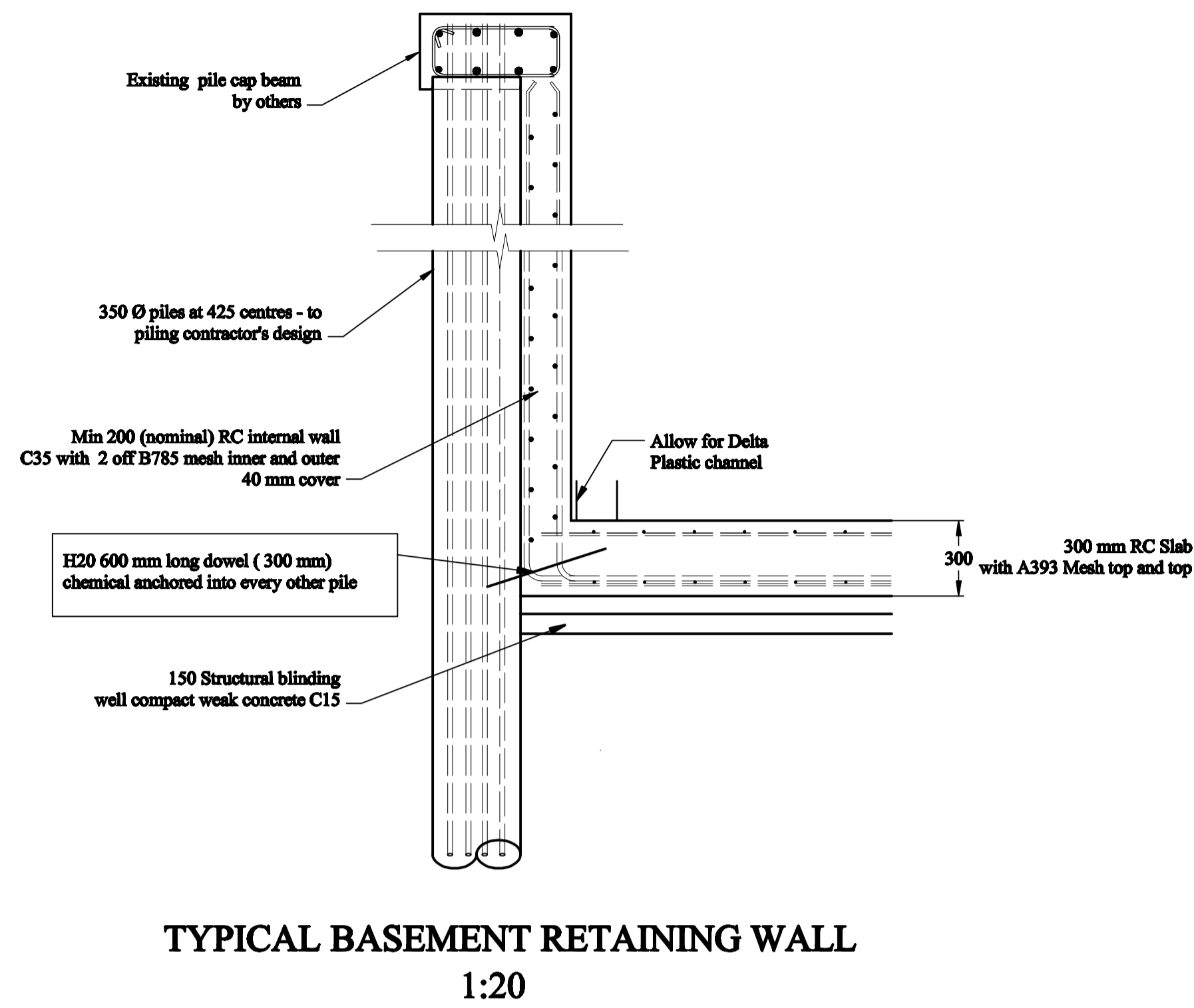
Water- Bars to conform to BS.

Rev	Date	By	Details
A	11.02.18	RN	Revised lay-out

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Barnhill Road
HA9 9DW
Wembley

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SITE	12 GROVESNOR GARDENS NW11 OHG		
PROJECT	NEW DWELLING		
TITLE	PROPOSED BASEMENT FLOOR PLAN		
SCALE ON A1	1:50	BY RN	Chkd by DATE 04.02.2018
DRWG No.	1733-1	REV	A



ENGINEER'S CONSTRUCTION NOTES

GENERAL
To be read in conjunction with all Engineers' drawings and method statement and with all architectural drawings and specifications. Seek instructions in the event of any conflict.
Do not scale - please ask for information.
Some notes may not apply.

FOUNDATIONS
Concrete to foundations to be grade 30. Use suitable casting current below d.p.c./d.p.m. if recommended by Building Control officer.

STRUCTURAL STEELWORK
Internal members grade S275: sizes 1016 x 305, 914 x 419, 356 x 406 to be BS EN 10025 S275 J0
All other I and H sections and channels to be BS EN 10025 S275 JR
Internal members grade S355 above 610 x 229 UB 140 and 356 x 368 UC 202 to be BS EN 10025 S355 JR
All other I, H and channel sections to be BS EN 10025 S355 J0.
Structural hollow sections to be BS EN 10210 S355 J2H or 'Celcolur'.
Connections All bolts to be grade 8.8 in holes 2mm bigger than nominal bolt size, unless otherwise stated. Welds to be shop welds, but site welds may be used with prior agreement of the Engineer and Building Control Officer and may be subject to testing at Contractor's expense.
Double beams to be bolted together using M16 bolts at 1,500mm max centres with steel tube spacers.
Prestones to be grade 30 concrete. At Contractor's option and with the approval of the CA and Building Control officer prestones may be constructed from 35N/mm² engineering bricks and 1:3 mortar, in which case the height of the prestone is to be made at least 50% more than first specified. Alternatively prestones may be cut carefully using an angle grinder from Bournecrete type R15A. 100 x 150 precast lintels.
Beam bearings on prestones to be full width of prestone if up to 150mm, or at least 2/3 of the length of the prestone in the direction of the beam span if greater than 150mm, unless otherwise specified on the drawings.
Fire protection All steel to be protected from fire to 30 minute standard or as specified elsewhere to the satisfaction of the CA and Building Control.

STRUCTURAL CONCRETE
All concrete to conform to BS 8110-1:1997.
Minimum C35 with 40 mm cover.
Wetproofing to conform with BS EN 934.
Basement to be type B from BS 8102-2:2009.
All water proof elements to conform to BS Water-Ban to conform to BS.

FOR CONSTRUCTION

REINFORCEMENT SCHEDULE							
Member	Type & size	No of bars	Length mm	shape code	A	B	C
01	H10	60	1600	21	700	220	700
02	H10	60	1550	21	700	170	700
SLAB	A393 MESH	2	9800x5800				
SLAB	A393 MESH	2	1800x5900				
Rw Pool	A393 MESH	2	1800x5500				
Fac wall	A393 MESH	2	5650x2300				
Fac wall	A393 MESH	4	1800x2300				
Fac wall	B785 MESH	4	9800x4300				
Fac wall	B785 MESH	2	3900x4300				

MAIN CONTRACTOR TO VERIFY STEEL SCHEDULE

Rev	Date	By	Details
A	11.02.18	EN	Revised Lay-out

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SITE 12 GROVESNOR GARDENS NW11 0HG
PROJECT BASEMENT
TITLE BASEMENT DETAILS
SCALE ON A1 1:20 BY RN/Chd by DATE 01.02.2018
DRAWN No. 1733-2 REV A