

NOTE
ALL DIMENSIONS TO BE CHECKED ON SITE
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RELEVANT CONSULTANTS DRAWINGS

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NOTE:
FOUNDATION TYPE, SIZE AND
DESIGN TO BE CONFIRMED ON
SITE AS EXCAVATION COMMENCES.



REV.	DATE	DESCRIPTION	DRAWN
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Tender



• Tirol House, Tyone, Nenagh, Co. Tipperary
• Lock Quay, Old Clare St, Limerick
T 067 37950 F 067 37951 Mob 087 9974798
E-mail pjbreth@pba.ie

CLIENT
CBS Secondary School Thurles
PROJECT
Extensions & Renovations

JOB NUMBER: 17075
DATE: 30-06-2017
SCALE: 1/100
DRAWN: Barry McMahon

DRAWING
Foundation layout
Area 1

DRAWING NO.	REVISION
01	T0
Drawn By:	Checked By:
	Approved By:

A3

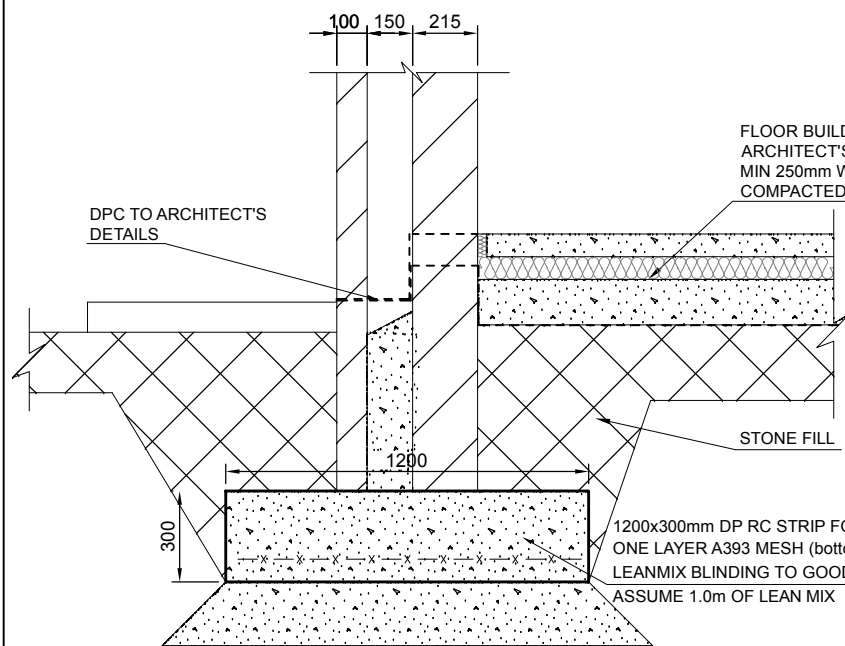
CONCRETE:
CONCRETE DESIGN MIX TO ISEN
-STRIP FOUNDATIONS
EXPOSURE CLASS = X0 MAX WATER CONTENT RATIO = 0.6
MIN WATER CEMENT KG/m3 = 300 MINIMUM STRENGTH CLASS = C20/25
C20/25 D20 X0 S3
STONE:
THE FILL MATERIAL BENEATH CONCRETE FLOORS AND FOOTPATHS SHOULD BE IN
ACCORDANCE WITH I.S. EN 13242:2002 AND MEET THE SPECIFICATION OUTLINED IN ANNEX
E OF THE ACCOMPANYING GUIDANCE DOCUMENT TO THIS STANDARD, SR 21:2004 +A1: 2016.

FILL TO BE COMPACTED IN LAYERS OF NO MORE THAN 150mm.
T.0 STRUCTURAL:
0/125mm -FOR USE IN DEPTHS OF > 900mm
T.1 STRUCTURAL:
0/31.5mm CRUSHED ROCK (0/40mm FOR CRUSHED GRAVEL) FOR USE IN DEPTHS OF <900
T.2 PERMEABLE:
4/40mm GAS PERMEABLE LAYER (RADON) MIN DEPTH 200mm
BLINING LAYER SOULD BE IN ACCORDANCE WITH THE SPECIFICATION GIVEN IN ANNEX E SR
21:2004 +A1: 2016 FOR FINE MATERIAL
T.3 BLINDING:
0/4mm BLINDING LAYER FOR T.2 - MAX DEPTH 50mm MAX

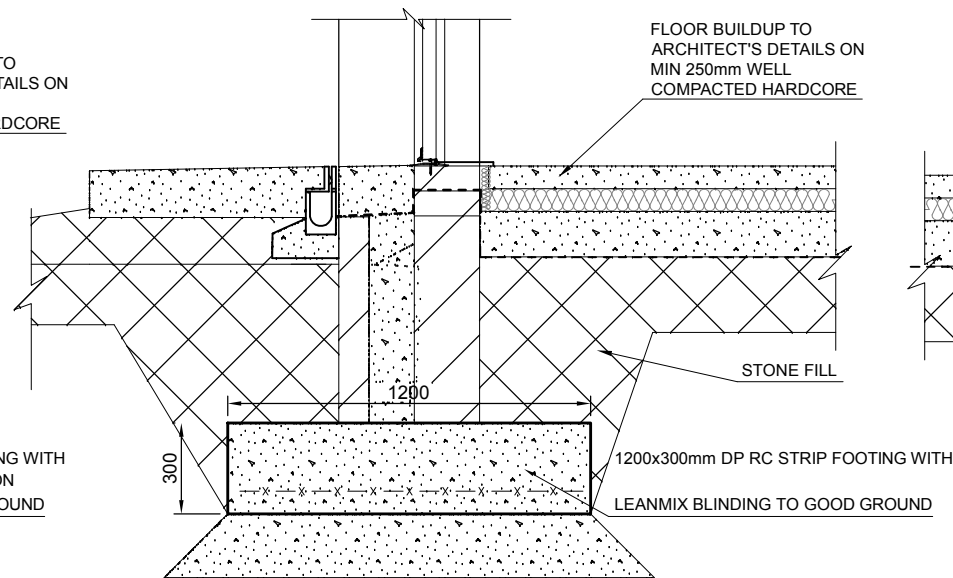
CONTRACTOR WILL BE REQUIRED TO OBTAIN A DECLARATION OF
PERFORMANCE FOR THE STONE FILLING AND BLOCKWORK. EACH
DELIVERY DOCKET TO THEN CONFIRM THE SPECIFICATION OF THE
MATERIAL AND THAT IT IS IN ACCORDANCE WITH THE DECLARATION OF
PERFORMANCE
STEEL:
ALL STEEL TO BE IN ACCORDANCE WITH BS EN 1090-1:2009+A1:2011
ALL STRUCTURAL STEEL TO BE CE MARKED AND ALL STEEL FABRICATION
TO BE CARRIED OUT BY A CE APPROVED FABRICATOR.
SHOP DRAWINGS TO BE SUBMITTED TO PJ BRETT & ASSOCIATES PRIOR
TO FABRICATION

BLOCKWORK
BLOCKWORK TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 7.5N/mm²
WHERE INDICATED ON PJ BRETT & ASSOCIATES DRAWINGS HIGH
STRENGTH BLOCKS SHOULD BE PROVIDED.
ALL CONCRETE BLOCKS TO BE IN ACCORDANCE WITH IS EN 771 PART 3:
2011-AGGREGATE CONCRETE MASONRY UNITS AND THE IRISH BUILDING
REGULATIONS.
ALL BLOCKS TO BE CE MARKED.
DECLARATION OF PERFORMANCE REQUIRED FOR ALL BLOCKS AND
DELIVERY DOCKET MUST CONFIRM THE BLOCK SPECIFICATION

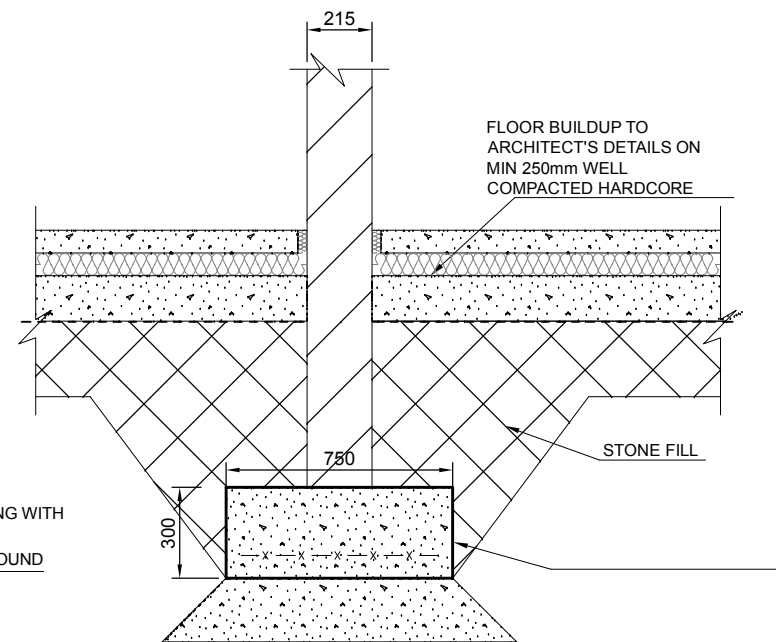
TIMBER:
ALL TIMBER SHOULD BE IN ACCORDANCE WITH I.S. 444:1998 - THE USE OF
STRUCTURAL TIMBER IN BUILDINGS
ALL TIMBER SHALL BE SOUND, WELL CONDITIONED, PROPERLY SEASONED
TO SUIT THE PARTICULAR USE AND FREE FROM DEFECTS OR COMBINATIONS
OF DEFECTS RENDERING IT UNSUITABLE FOR THE PURPOSE INTENDED
REINFORCEMENT
STEEL REINFORCEMENT RODS AND MESH REINFORCEMENT SHALL COMPLY
IN ALL RESPECTS, WITH B.S. 4449 (2005) AND B.S.4483 (2005) RESPECTIVELY.
ALL STEEL SHALL BE FREE FROM OIL, DIRT, LOOSE RUST, SCALE OR OTHER
DELETERIOUS MATTER.



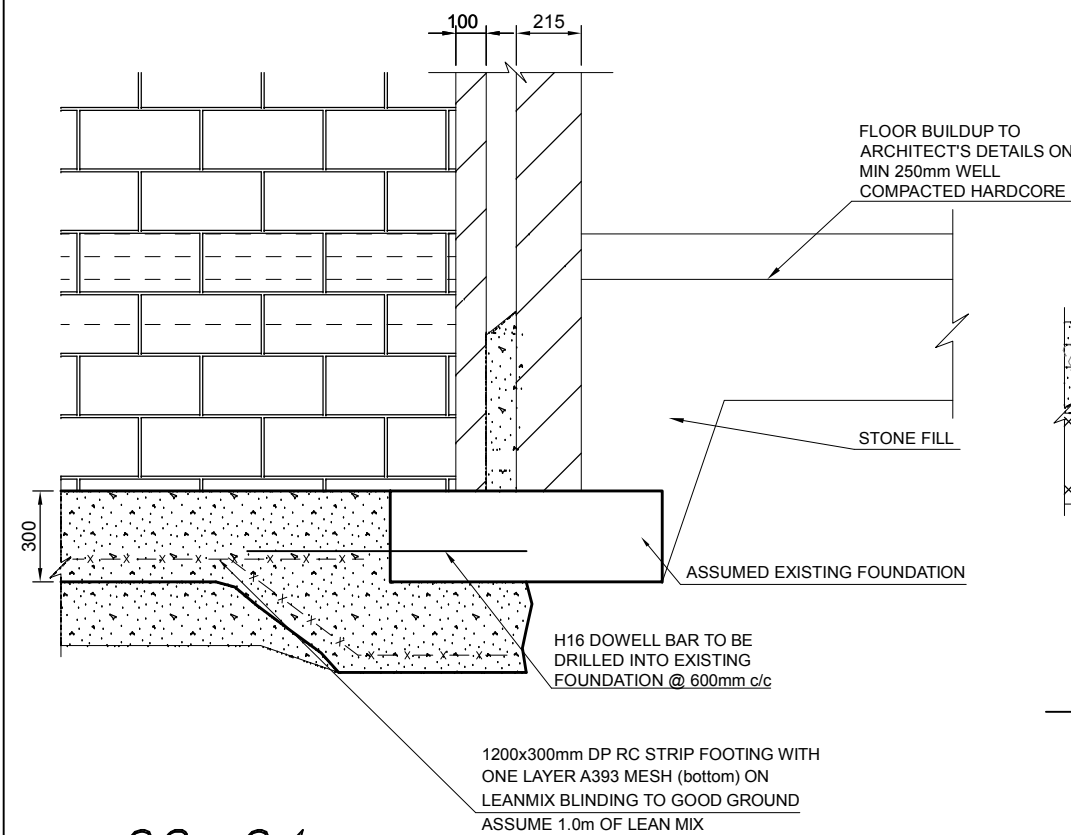
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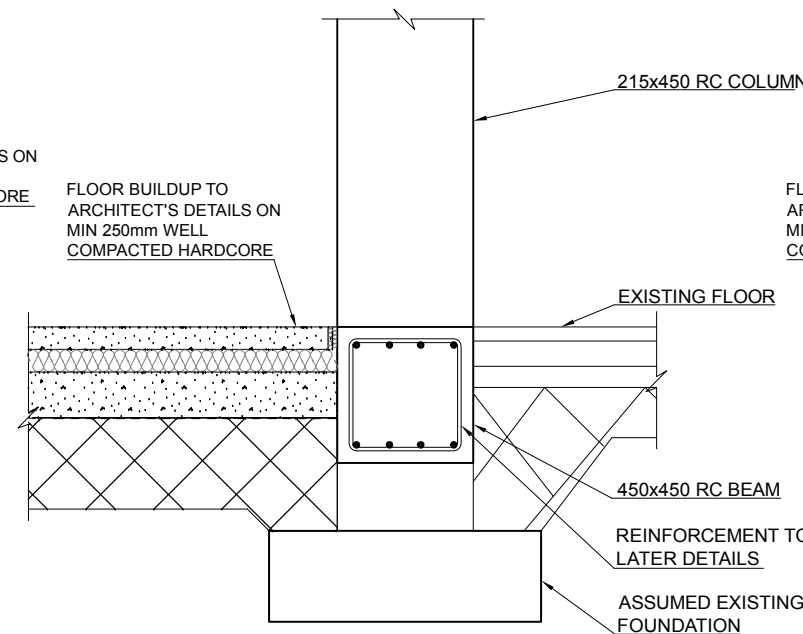
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SCALE 1:25



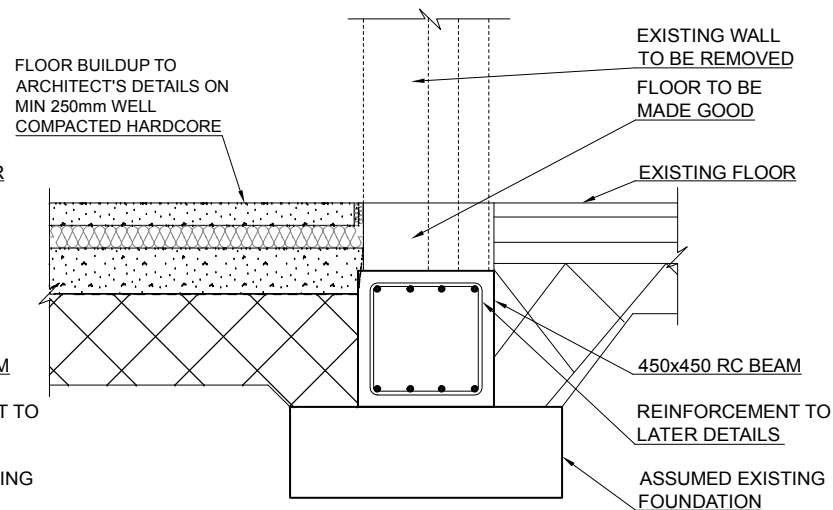
02-03
SCALE 1:25



02-04
SCALE 1:25



02-05
SCALE 1:25



02-06
SCALE 1:25

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NOTE:
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CONTRACTOR TO ALLOW FOR 4 SOFT
SPOTS: 2m x 2m x 1m OF LEANMIX TO BE
TAKEN FOR EACH SOFT SPOT AND
REMOVAL AND DESPOSAL OF
EXCAVATED MATERIAL.

REV.	DATE	DESCRIPTION	DRAWN
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PROJECT
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JOB NUMBER: 17075
DATE: 30-06-2017
SCALE: 1/25
DRAWN: Barry McMahon

DRAWING
Foundation details

DRAWING NO. REVISION

02 T0

Drawn By: Checked By: Approved By:

A3

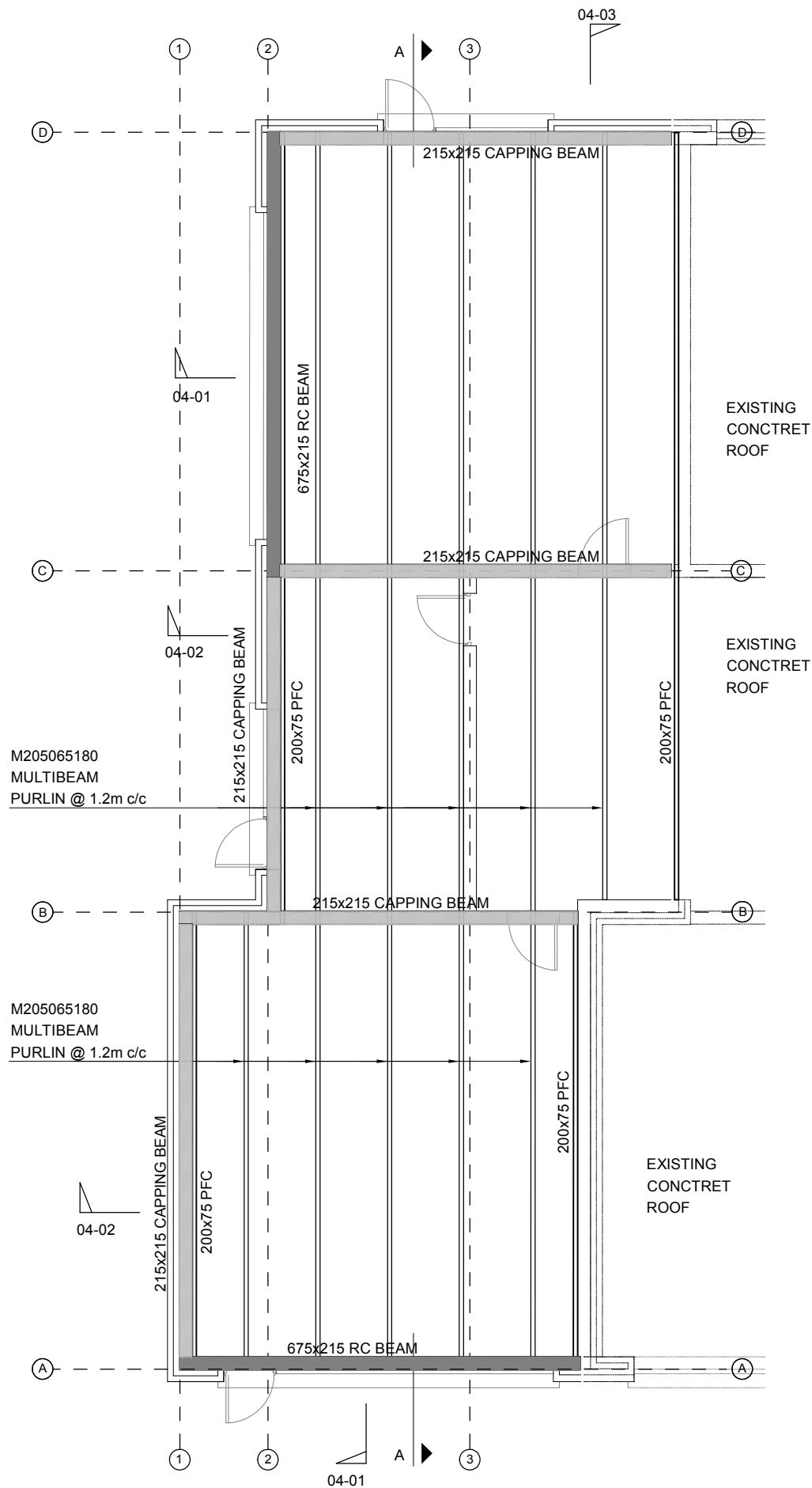
CONCRETE:
CONCRETE DESIGN MIX TO ISEN
-STRIP FOUNDATIONS
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MIN WATER CEMENT KG/m³ = 300 MINIMUM STRENGTH CLASS = C20/25
C20/25 D20 X0 S3
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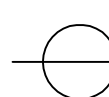
FILL TO BE COMPACTED IN LAYERS OF NO MORE THAN 150mm.
T.0 STRUCTURAL:
0/125mm -FOR USE IN DEPTHS OF > 900mm
T.1 STRUCTURAL:
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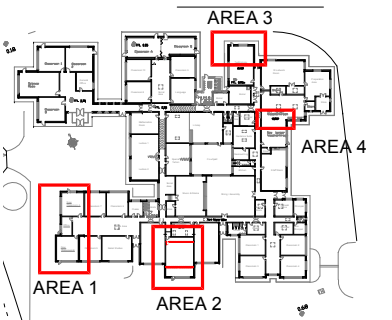
TIMBER:
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 **Roof Layout – Area 1**
SCALE 1:100

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Tender



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CLIENT
CBS Secondary School Thurles
PROJECT
Extensions & Renovations

JOB NUMBER: 17075
DATE: 30-06-2017
SCALE: 1/100
DRAWN: Barry McMahon

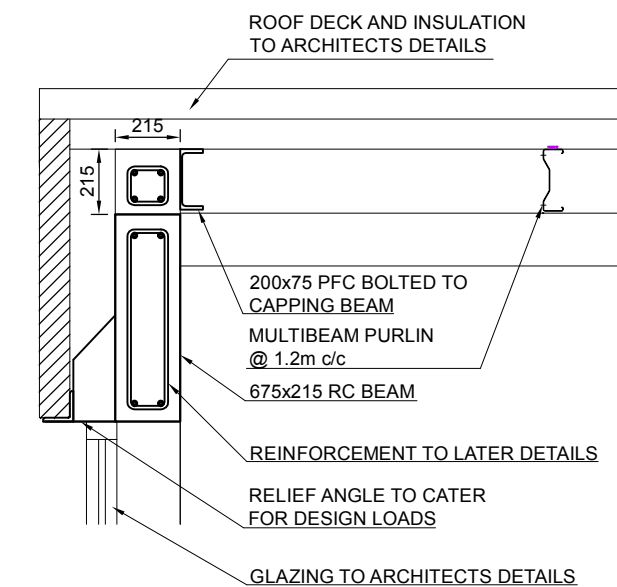
DRAWING
Roof layout
Area 1

DRAWING NO. REVISION

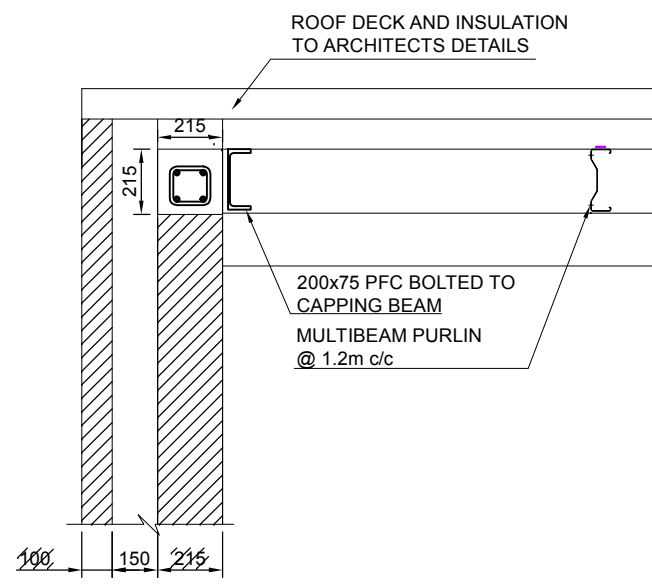
03 T0

Drawn By: Checked By: Approved By:

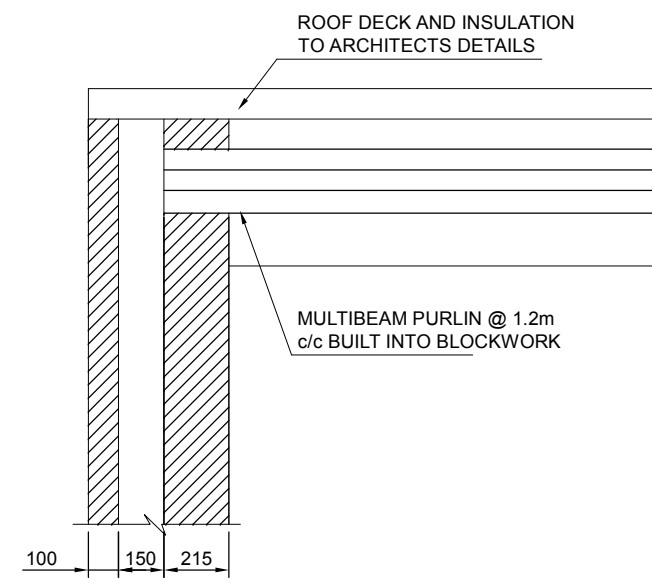
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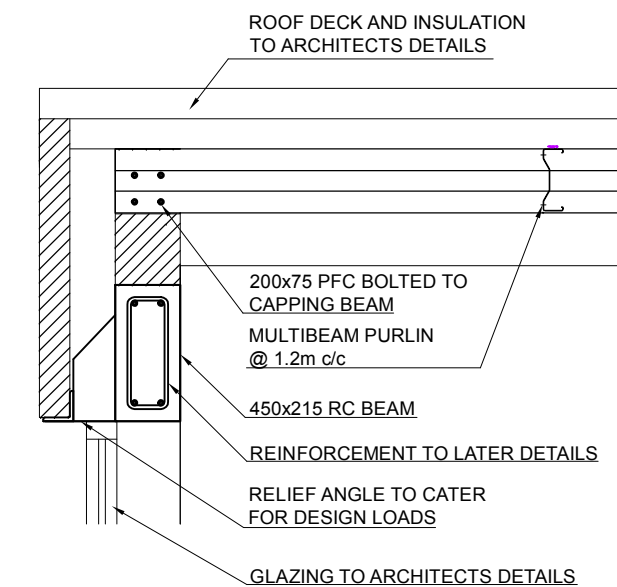
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SCALE 1:25



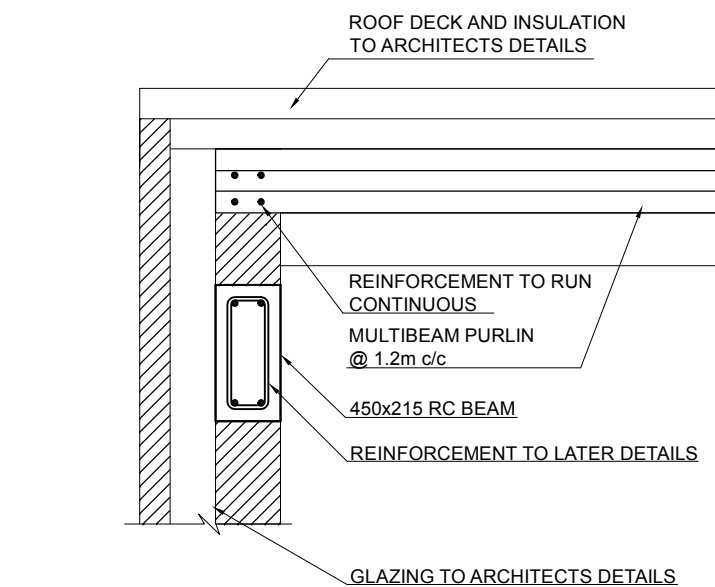
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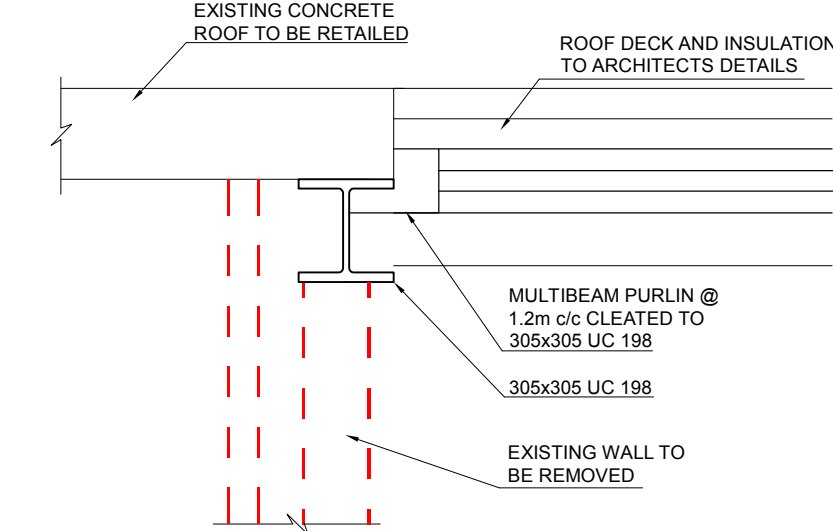
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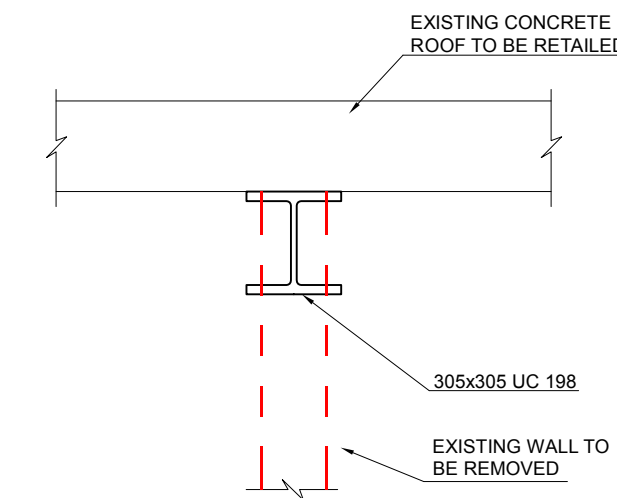
04-04
SCALE 1:25



04-05
SCALE 1:25



04-06
SCALE 1:25



04-07
SCALE 1:25

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REV.	DATE	DESCRIPTION	DRAWN
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Tender

P.J. Brett & Associates
Civil & Structural Consulting Engineers

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• Lock Quay, Old Clare St, Limerick
T 067 37950 F 067 37951 Mob 087 9974798
E-mail pj.brett@pba.ie

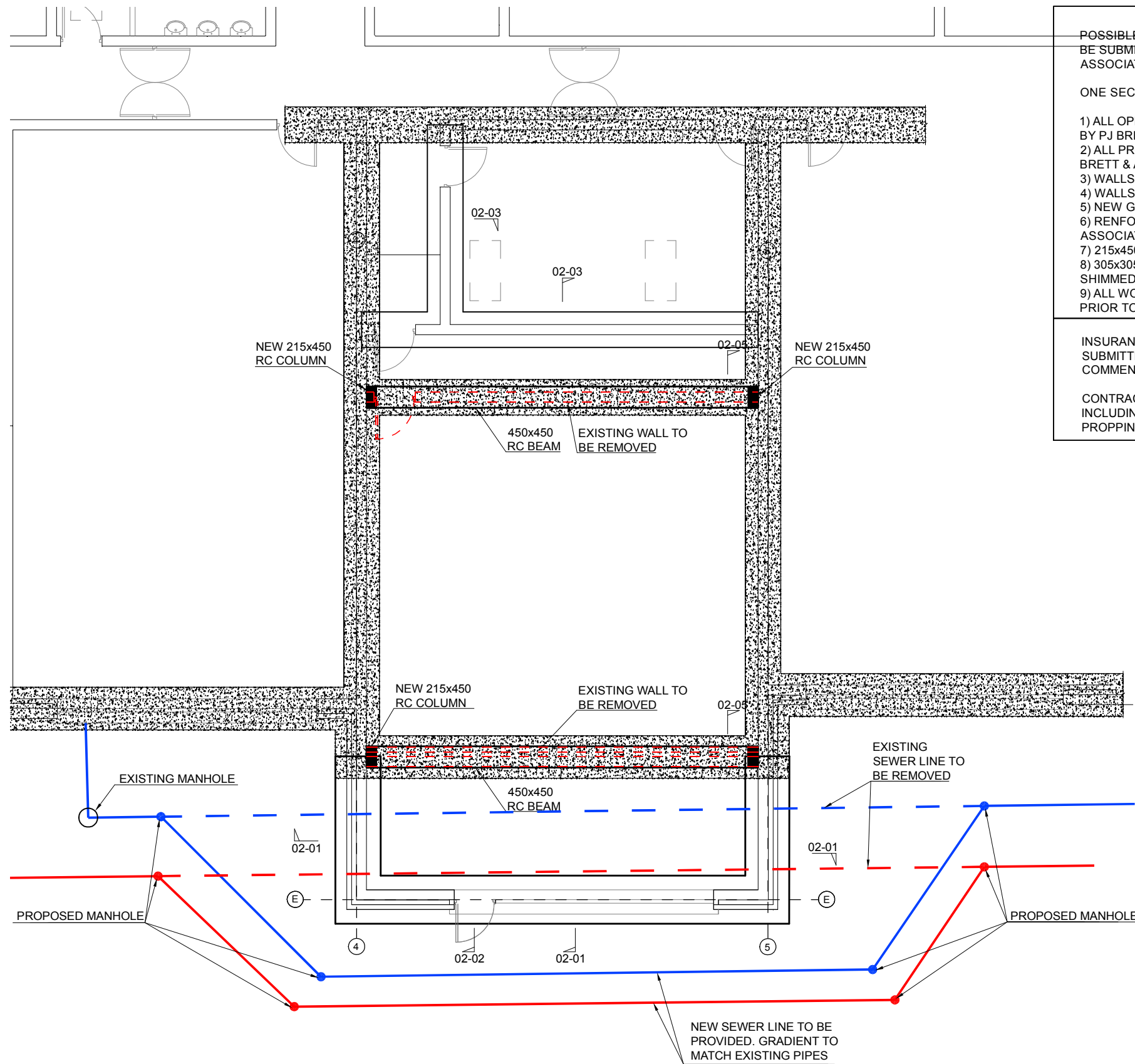
CLIENT
CBS Secondary School Thurles
PROJECT
Extensions & Renovations

JOB NUMBER: 17075
DATE: 30-06-2017
SCALE: 1/25
DRAWN: Barry McMahon

DRAWING
Roof details

DRAWING NO. REVISION

04 T0
Drawn By: Checked By: Approved By: A3



POSSIBLE METHOD STATEMENT - FINAL METHOD STATEMENT TO BE SUBMITTED BY THE CONTRACTOR TO PJ BRETT & ASSOCIATES FOR APPROVAL PRIOR TO WORKS COMMENCING.

ONE SECTION TO BE COMPLETED AT A TIME

- 1) ALL OPENING UP WORKS TO BE CARRIED OUT AND INSPECTED BY PJ BRETT & ASSOCIATES
- 2) ALL PROPPING TO BE PUT IN PLACE AND INSPECTED BY PJ BRETT & ASSOCIATES
- 3) WALLS TO BE REMOVED TO BE ISOLATED,
- 4) WALLS TO BE REMOVED IN SECTIONS
- 5) NEW GROUND BEAM TO BE CAST ON LINE OF EXISTING WALL.
- 6) RENFOECEMENT TO BE INSPECTED BY PJ BRETT & ASSOCIATES FOR APPROVAL
- 7) 215x450 RC TO BE CAST.
- 8) 305x305 UC 198 TO BE PUT IN PLACE AND PACKED AND SHIMMED
- 9) ALL WORKS TO BE INSPECTED BY PJ BRETT & ASSOCIATES PRIOR TO REMOVAL OF PROPPING

INSURANCE AND JOB SPECIFIC METHOD STATEMENT TO BE SUBMITTED TO PJ BRETT & ASSOCIATES PRIOR TO WORKS COMMENCING.

CONTRACTOR TO PROVIDE TEMPORARY WORKS DESIGN INCLUDING TEMPORARY WORKS DESIGN CERTIFICATE FOR PROPPING OF ROOF STRUCTURE.

NOTE
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REV.	DATE	DESCRIPTION	DRAWN
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Tender



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CLIENT

CBS Secondary School Thurles

PROJECT

Extensions & Renovations

JOB NUMBER: 17075
DATE: 30-06-2017
SCALE: 1/100
DRAWN: Barry McMahon

DRAWING

Foundation layout
Area 2

DRAWING NO. REVISION

05 T0

Drawn By: Checked By: Approved By:

A3

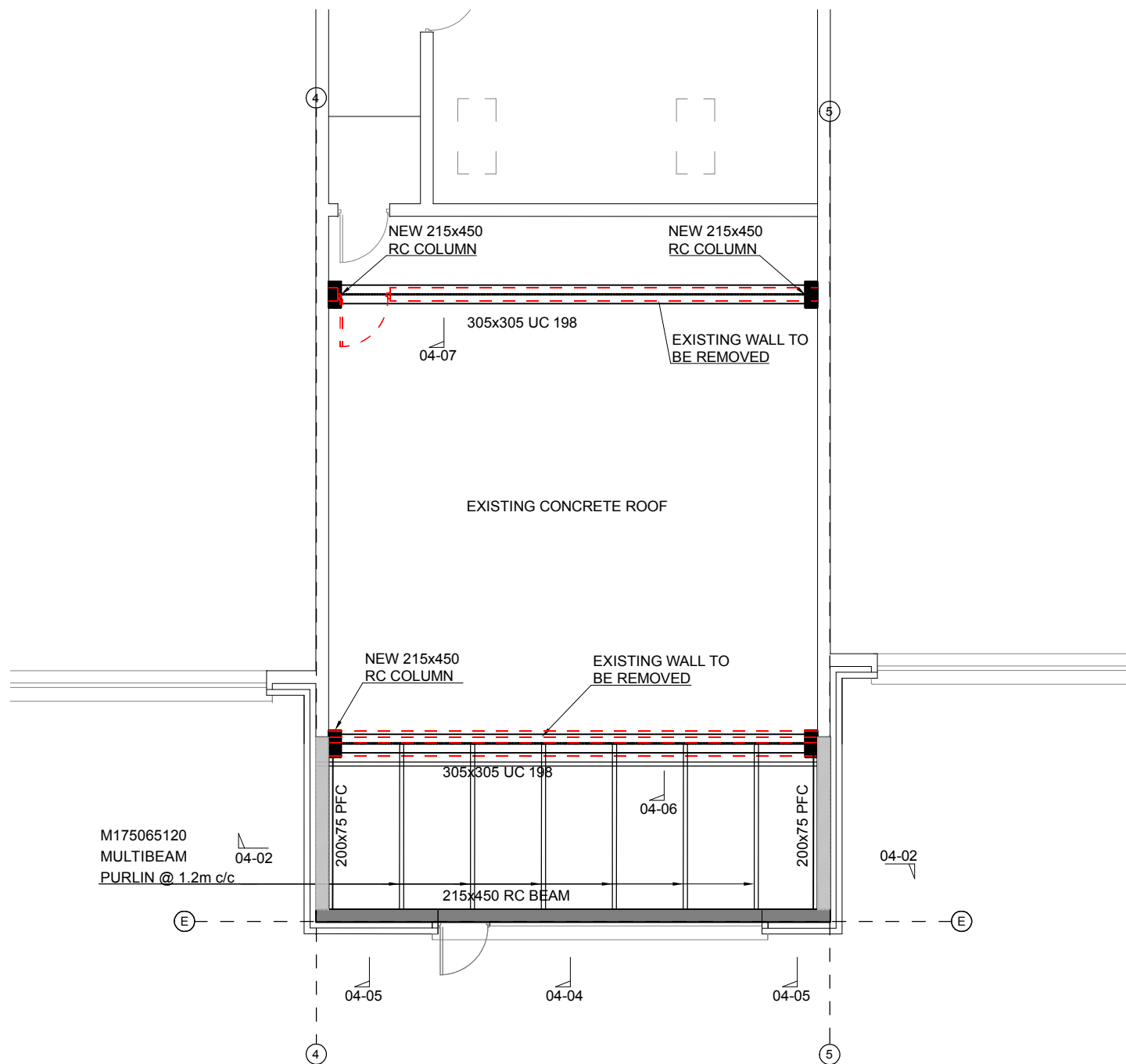
CONCRETE:
CONCRETE DESIGN MIX TO ISEN
-STRIP FOUNDATIONS
EXPOSURE CLASS = X0 MAX WATER CONTENT RATIO = 0.6
MIN WATER CEMENT KG/m3 = 300 MINIMUM STRENGTH CLASS = C20/25
C20/25 D20 X0 S3
STONE:
THE FILL MATERIAL BENEATH CONCRETE FLOORS AND FOOTPATHS SHOULD BE IN ACCORDANCE WITH I.S. EN 13242:2002 AND MEET THE SPECIFICATION OUTLINED IN ANNEX E OF THE ACCOMPANYING GUIDANCE DOCUMENT TO THIS STANDARD, SR 21:2004 +A1: 2016.

FILL TO BE COMPACTED IN LAYERS OF NO MORE THAN 150mm.
T.0 STRUCTURAL:
0/125mm -FOR USE IN DEPTHS OF > 900mm
T.1 STRUCTURAL:
0/31.5mm CRUSHED ROCK (0/40mm FOR CRUSHED GRAVEL) FOR USE IN DEPTHS OF <900
T.2 PERMEABLE:
4/40mm GAS PERMEABLE LAYER (RADON) MIN DEPTH 200mm
BLINING LAYER SOULD BE IN ACCORDANCE WITH THE SPECIFICATION GIVEN IN ANNEX E SR 21:2004 +A1: 2016 FOR FINE MATERIAL
T.3 BLINDING:
0/4mm BLINDING LAYER FOR T.2 - MAX DEPTH 50mm MAX

CONTRACTOR WILL BE REQUIRED TO OBTAIN A DECLARATION OF PERFORMANCE FOR THE STONE FILLING AND BLOCKWORK. EACH DELIVERY DOCKET TO THEN CONFIRM THE SPECIFICATION OF THE MATERIAL AND THAT IT IS IN ACCORDANCE WITH THE DECLARATION OF PERFORMANCE
STEEL:
ALL STEEL TO BE IN ACCORDANCE WITH BS EN 1090-1:2009+A1:2011
ALL STRUCTURAL STEEL TO BE CE MARKED AND ALL STEEL FABRICATION TO BE CARRIED OUT BY A CE APPROVED FABRICATOR.
SHOP DRAWINGS TO BE SUBMITTED TO PJ BRETT & ASSOCIATES PRIOR TO FABRICATION

BLOCKWORK
BLOCKWORK TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 7.5N/mm² WHERE INDICATED ON PJ BRETT & ASSOCIATES DRAWINGS HIGH STRENGTH BLOCKS SHOULD BE PROVIDED.
ALL CONCRETE BLOCKS TO BE IN ACCORDANCE WITH IS EN 771 PART 3: 2011-AGGREGATE CONCRETE MASONRY UNITS AND THE IRISH BUILDING REGULATIONS.
ALL BLOCKS TO BE CE MARKED.
DECLARATION OF PERFORMANCE REQUIRED FOR ALL BLOCKS AND DELIVERY DOCKET MUST CONFIRM THE BLOCK SPECIFICATION

TIMBER:
ALL TIMBER SHOULD BE IN ACCORDANCE WITH I.S. 444:1998 - THE USE OF STRUCTURAL TIMBER IN BUILDINGS
ALL TIMBER SHALL BE SOUND, WELL CONDITIONED, PROPERLY SEASONED TO SUIT THE PARTICULAR USE AND FREE FROM DEFECTS OR COMBINATIONS OF DEFECTS RENDERING IT UNSUITABLE FOR THE PURPOSE INTENDED
REINFORCEMENT
STEEL REINFORCEMENT RODS AND MESH REINFORCEMENT SHALL COMPLY IN ALL RESPECTS, WITH B.S. 4449 (2005) AND B.S.4483 (2005) RESPECTIVELY. ALL STEEL SHALL BE FREE FROM OIL, DIRT, LOOSE RUST, SCALE OR OTHER DELETERIOUS MATTER.

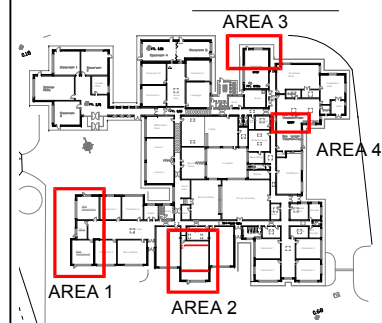


Roof Layout – Area 2
SCALE 1:100

NOTE
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NOTE:
305x305 UC 198 TO BE
PRE-DEFLECTED BY 20mm



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Tender



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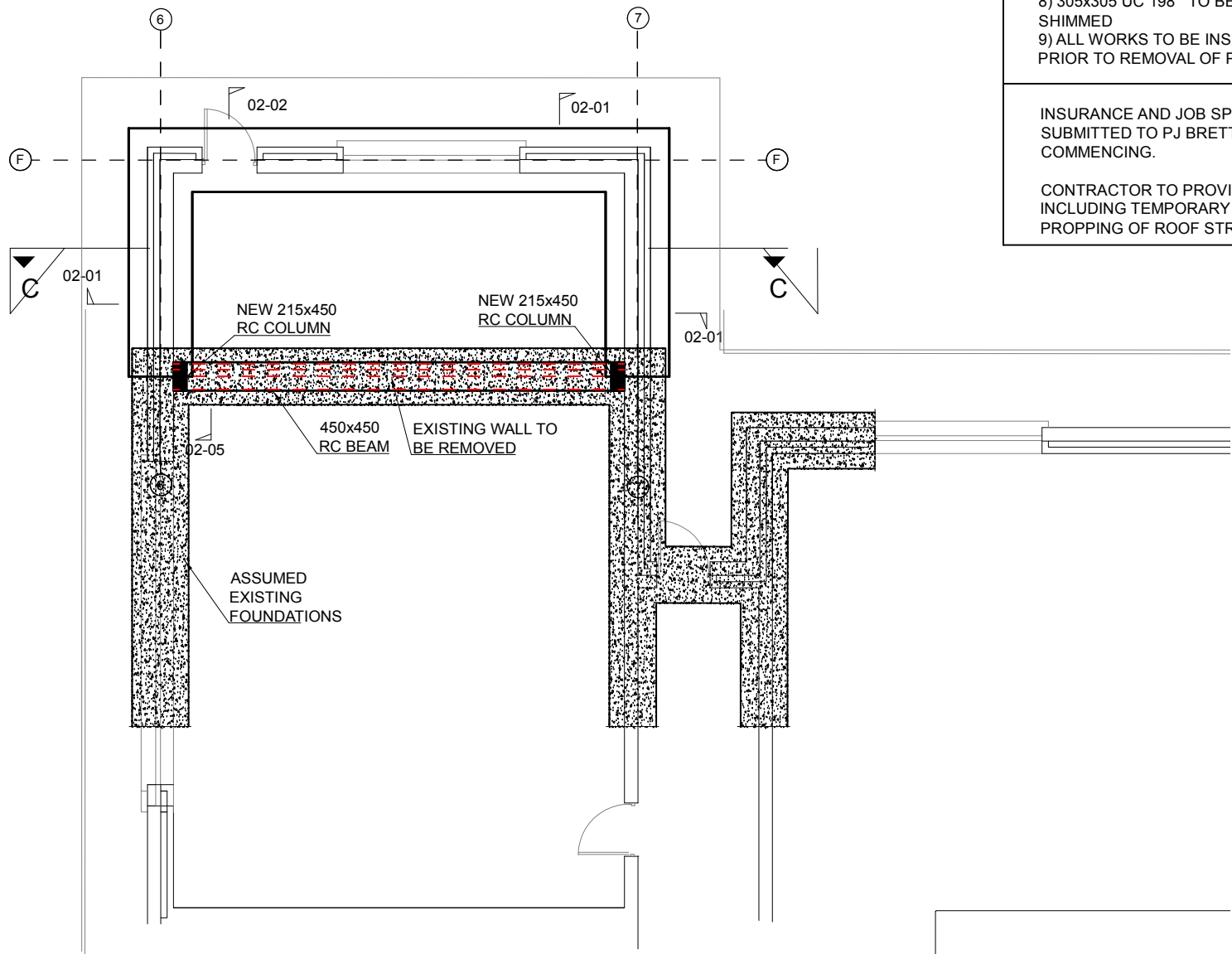
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CBS Secondary School Thurles
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Extensions & Renovations

JOB NUMBER: 17075
DATE: 30-06-2017
SCALE: 1/100
DRAWN: Barry McMahon

DRAWING
Roof layout
Area 2

DRAWING NO.	REVISION
06	T0
Drawn By:	Checked By:
	Approved By:

CONCRETE: CONCRETE DESIGN MIX TO ISEN -STRIP FOUNDATIONS EXPOSURE CLASS = X0 MIN WATER CEMENT KG/m3 = 300 C20/25 D20 X0 S3 STONE: THE FILL MATERIAL BENEATH CONCRETE FLOORS AND FOOTPATHS SHOULD BE IN ACCORDANCE WITH I.S. EN 13242:2002 AND MEET THE SPECIFICATION OUTLINED IN ANNEX E OF THE ACCOMPANYING GUIDANCE DOCUMENT TO THIS STANDARD, SR 21:2004 +A1: 2016.	FILL TO BE COMPACTED IN LAYERS OF NO MORE THAN 150mm. T.0 STRUCTURAL: 0/125mm -FOR USE IN DEPTHS OF > 900mm T.1 STRUCTURAL: 0/31.5mm CRUSHED ROCK (0/40mm FOR CRUSHED GRAVEL) FOR USE IN DEPTHS OF <900 T.2 PERMEABLE: 4/40mm GAS PERMEABLE LAYER (RADON) MIN DEPTH 200mm BLINING LAYER SOULD BE IN ACCORDANCE WITH THE SPECIFICATION GIVEN IN ANNEX E SR 21:2004 +A1: 2016 FOR FINE MATERIAL T.3 BLINDING: 0/4mm BLINDING LAYER FOR T.2 - MAX DEPTH 50mm MAX	CONTRACTOR WILL BE REQUIRED TO OBTAIN A DECLARATION OF PERFORMANCE FOR THE STONE FILLING AND BLOCKWORK. EACH DELIVERY DOCKET TO THEN CONFIRM THE SPECIFICATION OF THE MATERIAL AND THAT IT IS IN ACCORDANCE WITH THE DECLARATION OF PERFORMANCE STEEL: ALL STEEL TO BE IN ACCORDANCE WITH BS EN 1090-1:2009+A1:2011 ALL STRUCTURAL STEEL TO BE CE MARKED AND ALL STEEL FABRICATION TO BE CARRIED OUT BY A CE APPROVED FABRICATOR. SHOP DRAWINGS TO BE SUBMITTED TO PJ BRETT & ASSOCIATES PRIOR TO FABRICATION	BLOCKWORK BLOCKWORK TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 7.5N/mm² WHERE INDICATED ON PJ BRETT & ASSOCIATES DRAWINGS HIGH STRENGTH BLOCKS SHOULD BE PROVIDED. ALL CONCRETE BLOCKS TO BE IN ACCORDANCE WITH IS EN 771 PART 3: 2011-AGGREGATE CONCRETE MASONRY UNITS AND THE IRISH BUILDING REGULATIONS. ALL BLOCKS TO BE CE MARKED. DECLARATION OF PERFORMANCE REQUIRED FOR ALL BLOCKS AND DELIVERY DOCKET MUST CONFIRM THE BLOCK SPECIFICATION	TIMBER: ALL TIMBER SHOULD BE IN ACCORDANCE WITH I.S. 444:1998 - THE USE OF STRUCTURAL TIMBER IN BUILDINGS ALL TIMBER SHALL BE SOUND, WELL CONDITIONED, PROPERLY SEASONED TO SUIT THE PARTICULAR USE AND FREE FROM DEFECTS OR COMBINATIONS OF DEFECTS RENDERING IT UNSUITABLE FOR THE PURPOSE INTENDED REINFORCEMENT STEEL REINFORCEMENT RODS AND MESH REINFORCEMENT SHALL COMPLY IN ALL RESPECTS, WITH B.S. 4449 (2005) AND B.S.4483 (2005) RESPECTIVELY. ALL STEEL SHALL BE FREE FROM OIL, DIRT, LOOSE RUST, SCALE OR OTHER DELETERIOUS MATTER.
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Foundation Layout – Area 3
SCALE 1:100

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1) ALL OPENING UP WORKS TO BE CARRIED OUT AND INSPECTED BY PJ BRETT & ASSOCIATES
2) ALL PROPPING TO BE PUT IN PLACE AND INSPECTED BY PJ BRETT & ASSOCIATES
3) WALLS TO BE REMOVED TO BE ISOLATED,
4) WALLS TO BE REMOVED IN SECTIONS
5) NEW GROUND BEAM TO BE CAST ON LINE OF EXISTING WALL.
6) RENFOECEMENT TO BE INSPECTED BY PJ BRETT & ASSOCIATES FOR APPROVAL
7) 215x450 RC TO BE CAST.
8) 305x305 UC 198 TO BE PUT IN PLACE AND PACKED AND SHIMMED
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CONTRACTOR TO PROVIDE TEMPORARY WORKS DESIGN INCLUDING TEMPORARY WORKS DESIGN CERTIFICATE FOR PROPPING OF ROOF STRUCTURE.

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SCALE: 1/100
DRAWN: Barry McMahon

DRAWING
Foundation layout
Area 3

DRAWING NO.	REVISION
07	T0
Drawn By:	Checked By:
	Approved By:

A3

CONCRETE:
CONCRETE DESIGN MIX TO ISEN
-STRIP FOUNDATIONS
EXPOSURE CLASS = X0 MAX WATER CONTENT RATIO = 0.6
MIN WATER CEMENT KG/m3 = 300 MINIMUM STRENGTH CLASS = C20/25
C20/25 D20 X0 S3
STONE:
THE FILL MATERIAL BENEATH CONCRETE FLOORS AND FOOTPATHS SHOULD BE IN ACCORDANCE WITH I.S. EN 13242:2002 AND MEET THE SPECIFICATION OUTLINED IN ANNEX E OF THE ACCOMPANYING GUIDANCE DOCUMENT TO THIS STANDARD, SR 21:2004 +A1: 2016.

FILL TO BE COMPACTED IN LAYERS OF NO MORE THAN 150mm.
T.0 STRUCTURAL:
0/125mm -FOR USE IN DEPTHS OF > 900mm
T.1 STRUCTURAL:
0/31.5mm CRUSHED ROCK (0/40mm FOR CRUSHED GRAVEL) FOR USE IN DEPTHS OF <900
T.2 PERMEABLE:
4/40mm GAS PERMEABLE LAYER (RADON) MIN DEPTH 200mm
BLINING LAYER SOULD BE IN ACCORDANCE WITH THE SPECIFICATION GIVEN IN ANNEX E SR 21:2004 +A1: 2016 FOR FINE MATERIAL
T.3 BLINDING:
0/4mm BLINDING LAYER FOR T.2 - MAX DEPTH 50mm MAX

CONTRACTOR WILL BE REQUIRED TO OBTAIN A DECLARATION OF PERFORMANCE FOR THE STONE FILLING AND BLOCKWORK. EACH DELIVERY DOCKET TO THEN CONFIRM THE SPECIFICATION OF THE MATERIAL AND THAT IT IS IN ACCORDANCE WITH THE DECLARATION OF PERFORMANCE
STEEL:
ALL STEEL TO BE IN ACCORDANCE WITH BS EN 1090-1:2009+A1:2011
ALL STRUCTURAL STEEL TO BE CE MARKED AND ALL STEEL FABRICATION TO BE CARRIED OUT BY A CE APPROVED FABRICATOR.
SHOP DRAWINGS TO BE SUBMITTED TO PJ BRETT & ASSOCIATES PRIOR TO FABRICATION

BLOCKWORK
BLOCKWORK TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF 7.5N/mm² WHERE INDICATED ON PJ BRETT & ASSOCIATES DRAWINGS HIGH STRENGTH BLOCKS SHOULD BE PROVIDED.
ALL CONCRETE BLOCKS TO BE IN ACCORDANCE WITH IS EN 771 PART 3: 2011-AGGREGATE CONCRETE MASONRY UNITS AND THE IRISH BUILDING REGULATIONS.
ALL BLOCKS TO BE CE MARKED.
DECLARATION OF PERFORMANCE REQUIRED FOR ALL BLOCKS AND DELIVERY DOCKET MUST CONFIRM THE BLOCK SPECIFICATION

TIMBER:
ALL TIMBER SHOULD BE IN ACCORDANCE WITH I.S. 444:1998 - THE USE OF STRUCTURAL TIMBER IN BUILDINGS
ALL TIMBER SHALL BE SOUND, WELL CONDITIONED, PROPERLY SEASONED TO SUIT THE PARTICULAR USE AND FREE FROM DEFECTS OR COMBINATIONS OF DEFECTS RENDERING IT UNSUITABLE FOR THE PURPOSE INTENDED
REINFORCEMENT
STEEL REINFORCEMENT RODS AND MESH REINFORCEMENT SHALL COMPLY IN ALL RESPECTS, WITH B.S. 4449 (2005) AND B.S.4483 (2005) RESPECTIVELY.
ALL STEEL SHALL BE FREE FROM OIL, DIRT, LOOSE RUST, SCALE OR OTHER DELETERIOUS MATTER.

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The floor plan shows a complex arrangement of rooms. Four specific areas are highlighted with red rectangles and labeled: AREA 1 is in the bottom left, AREA 2 is in the bottom center, AREA 3 is in the top center, and AREA 4 is on the right side. The plan includes various rooms such as 'LABORATORY', 'OFFICE', 'RECEPTION', 'STORAGE', and 'RESTROOM'. A north arrow is located in the top right corner.

REV.	DATE	DESCRIPTION	DRAWN
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P.J. Brett & Associates
Civil & Structural Consulting Engineers

CLIENT

PROJECT

JOB NUMBER:	1707
DATE	30-06-201
SCALE:	1/10
DRAWN	Barry McMahon

DRAWING

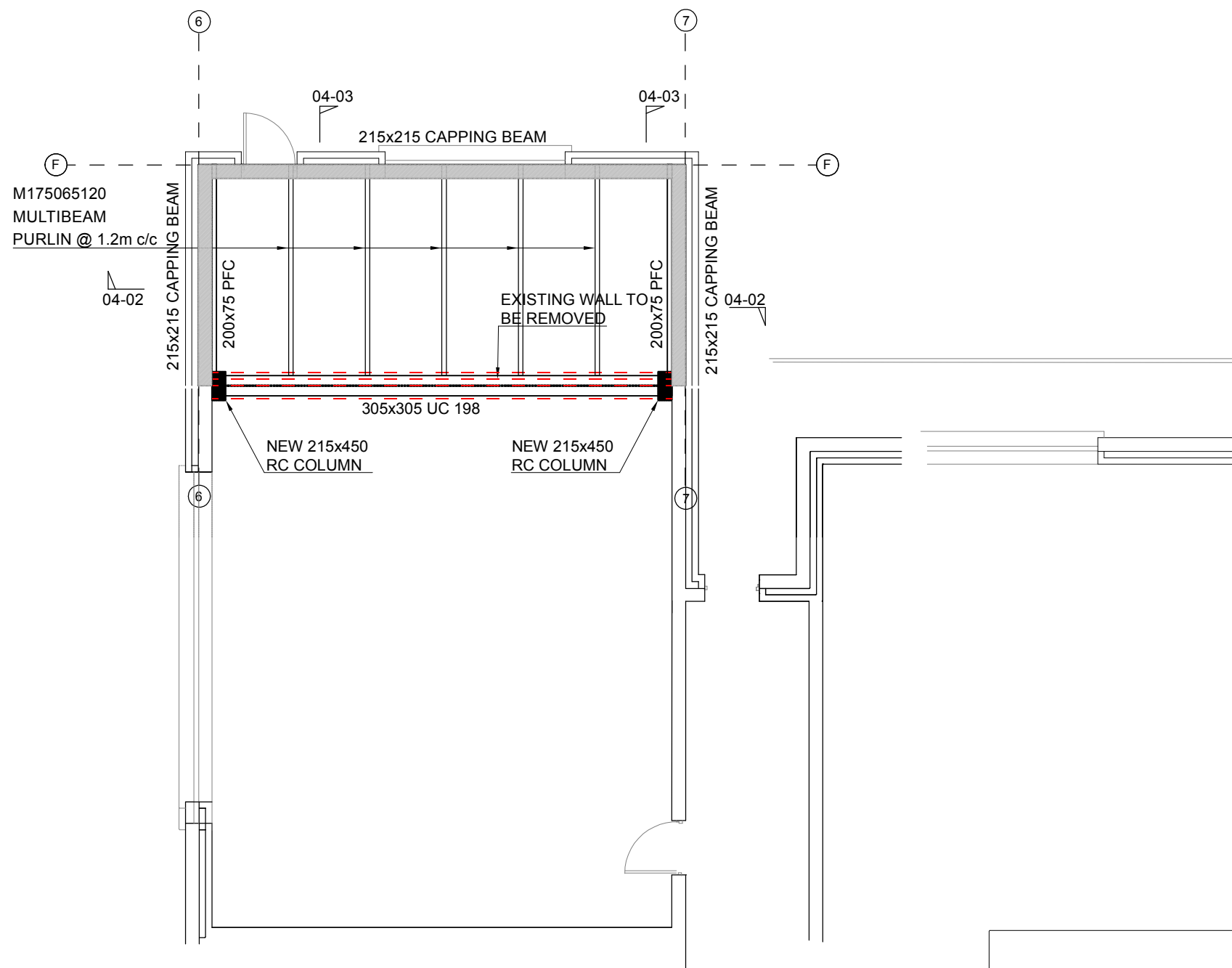
Area 3


DRAWING NO. _____ REVISION _____

TO

Drawn By.	Checked By.	Approved By.
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A



 *Roof Layout – Area 3*
SCALE 1:100

CONCRETE:
CONCRETE DESIGN MIX TO ISEN
-STRIP FOUNDATIONS
EXPOSURE CLASS = X0 MAX WATER CONTENT RATIO = 0.6
MIN WATER CEMENT KG/m3 = 300 MINIMUM STRENGTH CLASS = C20/25
C20/25 D20 X3

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THE FILL MATERIAL BENEATH CONCRETE FLOORS AND FOOTPATHS SHOULD BE IN
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T.2 PERMEABLE:
4/40mm GAS PERMEABLE LAYER (RADON) MIN DEPTH 200mm
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21:2004 -A1: 2016 FOR FINE MATERIAL
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0/4mm BLINDING LAYER FOR T.2 - MAX DEPTH 50mm MAX

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STEEL:

ALL STEEL TO BE IN ACCORDANCE WITH BS EN 1090-1:2009+A1:2011

ALL STRUCTURAL STEEL TO BE CE MARKED AND ALL STEEL FABRICATION TO BE CARRIED OUT BY A CE APPROVED FABRICATOR.

SHOP DRAWINGS TO BE SUBMITTED TO PJ BRETT & ASSOCIATES PRIOR TO FABRICATION

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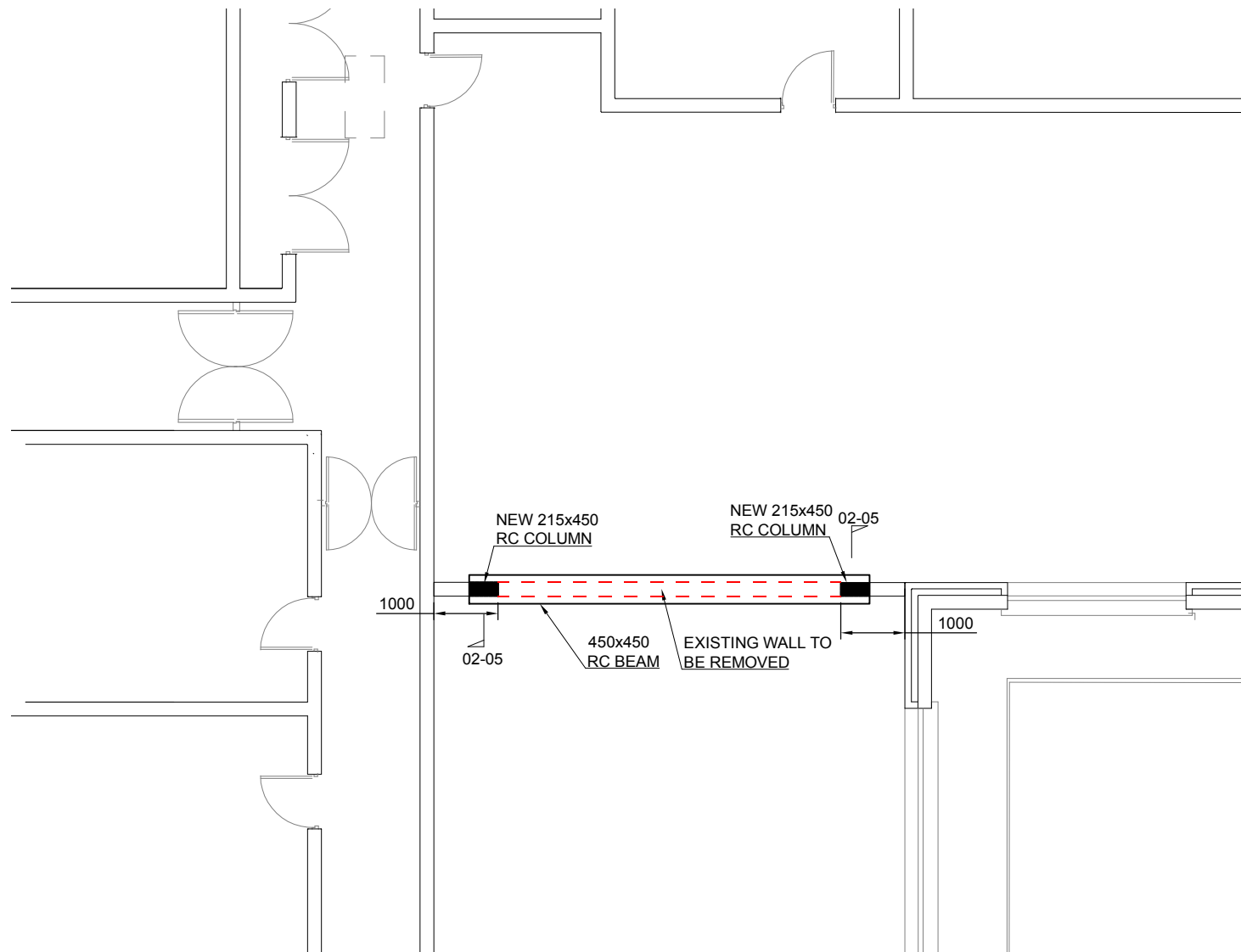
ALL CONCRETE BLOCKS TO BE IN ACCORDANCE WITH IS EN 771 PART 3: 2011-AGGREGATE CONCRETE MASONRY UNITS AND THE IRISH BUILDING REGULATIONS.

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DECLARATION OF PERFORMANCE REQUIRED FOR ALL BLOCKS AND DELIVERY DOCKET MUST CONFIRM THE BLOCK SPECIFICATION

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DELETERIOUS MATTER.



Foundation Layout – Area 4
SCALE 1:100

POSSIBLE METHOD STATEMENT - FINAL METHOD STATEMENT TO BE SUBMITTED BY THE CONTRACTOR TO PJ BRETT & ASSOCIATES FOR APPROVAL PRIOR TO WORKS COMMENCING.

- 1) ALL OPENING UP WORKS TO BE CARRIED OUT AND INSPECTED BY PJ BRETT & ASSOCIATES
- 2) ALL PROPPING TO BE PUT IN PLACE AND INSPECTED BY PJ BRETT & ASSOCIATES
- 3) WALLS TO BE REMOVED TO BE ISOLATED,
- 4) WALLS TO BE REMOVED IN SECTIONS
- 5) NEW GROUND BEAM TO BE CAST ON LINE OF EXISTING WALL.
- 6) RENFOECEMENT TO BE INSPECTED BY PJ BRETT & ASSOCIATES FOR APPROVAL
- 7) 215x450 RC TO BE CAST.
- 8) 305x305 UC 198 TO BE PUT IN PLACE AND PACKED AND SHIMMED
- 9) ALL WORKS TO BE INSPECTED BY PJ BRETT & ASSOCIATES PRIOR TO REMOVAL OF PROPPING

INSURANCE AND JOB SPECIFIC METHOD STATEMENT TO BE SUBMITTED TO PJ BRETT & ASSOCIATES PRIOR TO WORKS COMMENCING.

CONTRACTOR TO PROVIDE TEMPORARY WORKS DESIGN INCLUDING TEMPORARY WORKS DESIGN CERTIFICATE FOR PROPPING OF ROOF STRUCTURE.

NOTE
ALL DIMENSIONS TO BE CHECKED ON SITE
NO DIMENSIONS TO BE SCALED FROM THIS DRAWING
THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT CONSULTANTS DRAWINGS

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NOTE:
FOUNDATION TYPE, SIZE AND DESIGN TO BE CONFIRMED ON SITE AS EXCAVATION COMMENCES.



REV.	DATE	DESCRIPTION	DRAWN
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Tender



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E-mail pjbreth@pba.ie

CLIENT

CBS Secondary School Thurles

PROJECT

Extensions & Renovations

JOB NUMBER: 17075
DATE: 30-06-2017
SCALE: 1/100
DRAWN: Barry McMahon

DRAWING

Foundation layout
Area 4

DRAWING NO. REVISION

09 T0

Drawn By: Checked By: Approved By:

A3

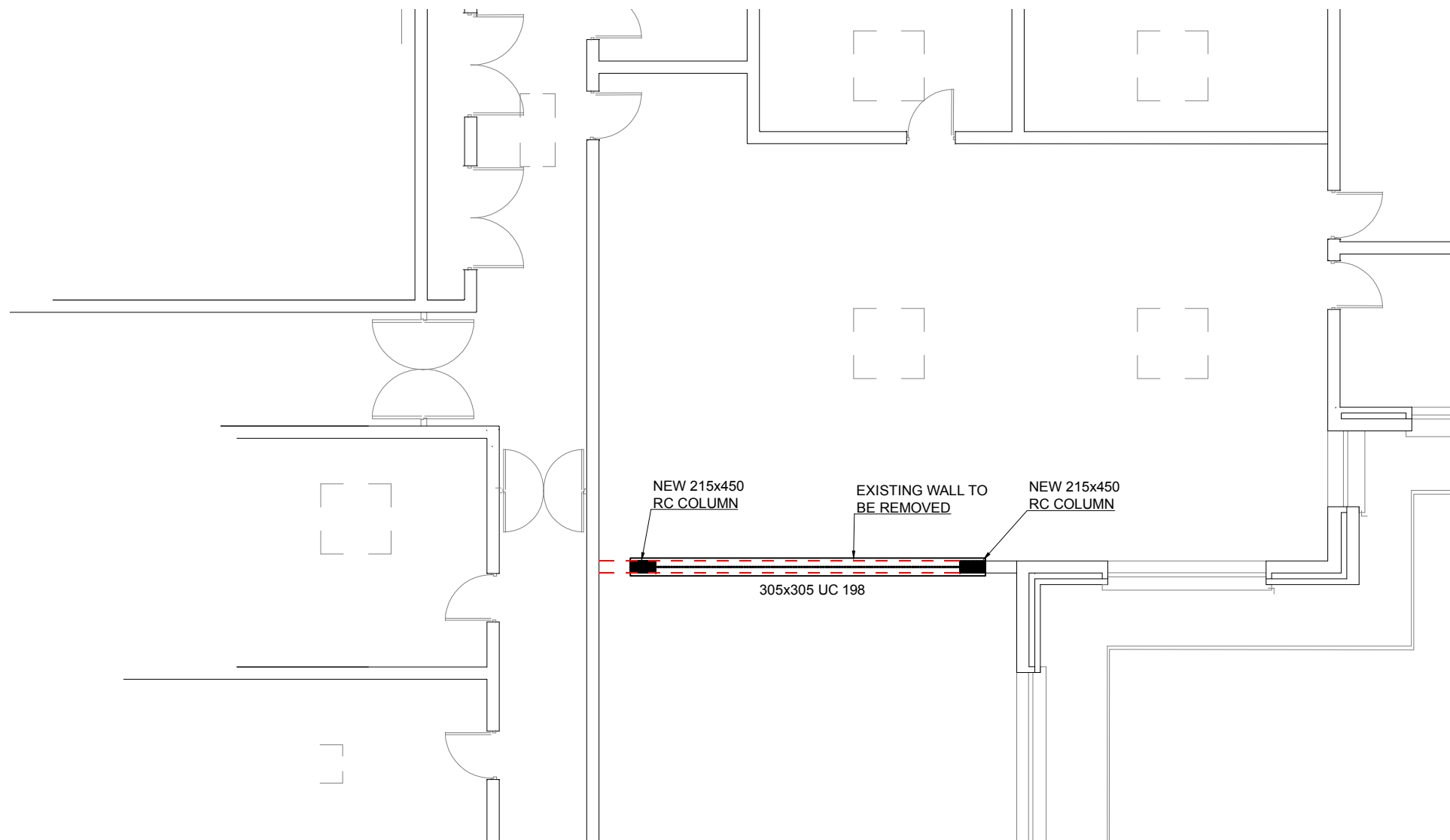
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4/40mm GAS PERMEABLE LAYER (RADON) MIN DEPTH 200mm
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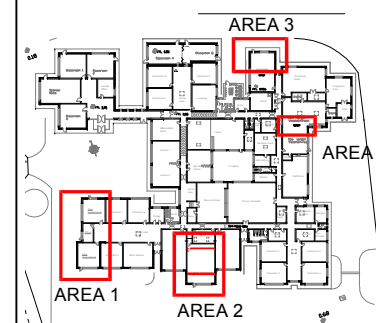


Roof Layout – Area 4
SCALE 1:100

NOTE
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NO DIMENSIONS TO BE SCALED FROM THIS DRAWING
THIS DRAWING IS TO BE READ IN CONJUNCTION WITH
RELEVANT CONSULTANTS DRAWINGS

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NOTE:
305x305 UC 198 TO BE
PRE-DEFLECTED BY 20mm



REV.	DATE	DESCRIPTION	DRAWN
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Tender



• Tirol House, Tyone, Nenagh, Co. Tipperary
• Lock Quay, Old Clare St, Limerick
T 067 37950 F 067 37951 Mob 087 9974798
E-mail pjbreth@pba.ie

CLIENT

CBS Secondary School Thurles

PROJECT

Extensions & Renovations

JOB NUMBER: 17075
DATE: 30-06-2017
SCALE: 1/100
DRAWN: Barry McMahon

DRAWING

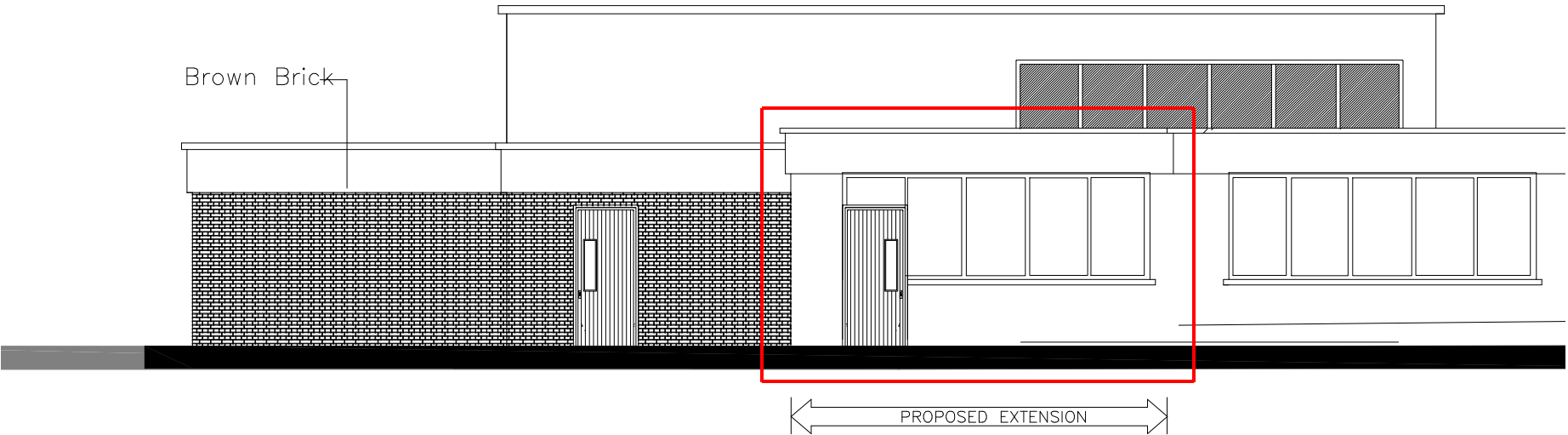
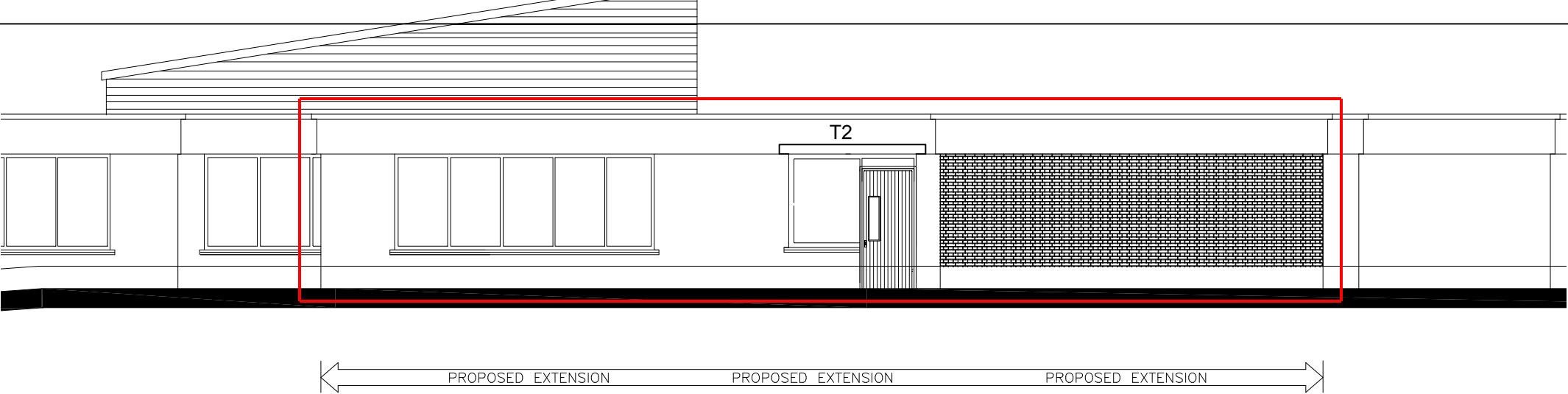
Roof layout
Area 4

DRAWING. NO. REVISION

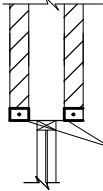
10 T0

Drawn By. Checked By. Approved By.

A3




T1



2 NO 100x65mm
PRESTRESSED
CONCRETE LINTELS,
LINTELS TO BE PLACED
WITH ROUGHT SIDE UP

T2



KEYSTONE LINTEL S/K-150 (OR
SIMILAR APPROVED)
SPECIFICALLY DESIGNED TO
CATER FOR DESIGN LOADS

ALL LINTIES TO BE DESIGNED AND SUPPLIED
BY SPECIALIST MANUFACTURER.
ALL LINTELS TO BE CE MARKED AND
CERTIFIED TO CARRY THE PARTICULAR LOADS
FOR EACH LOCATION

DECLARATION OF PERFORMANCE REQUIRED
FOR EACH LINTEL AND DELIVERY DOCKET
MUST CONFIRM THE LINTEL SPECIFICATION
SUBJECT TO DESIGN SPECIALIST, DEEPER
PRECAST LINTELS MAY BE USED TO REPLACE
PRESSED METAL LINTELS.

NOTE
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P.J. Brett & Associates
Civil & Structural Consulting Engineers

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CBS Secondary School Thurles

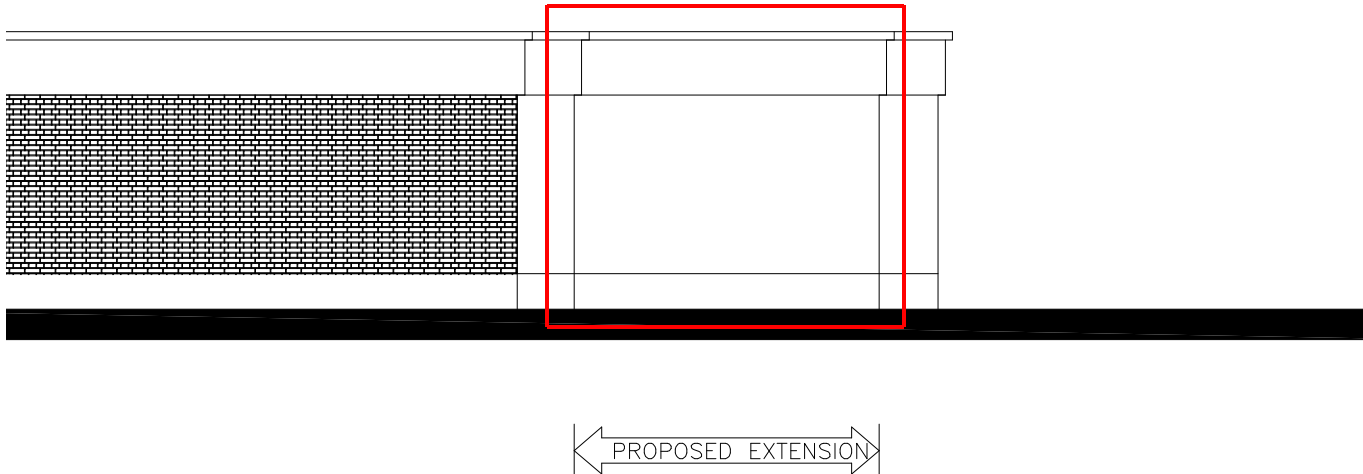
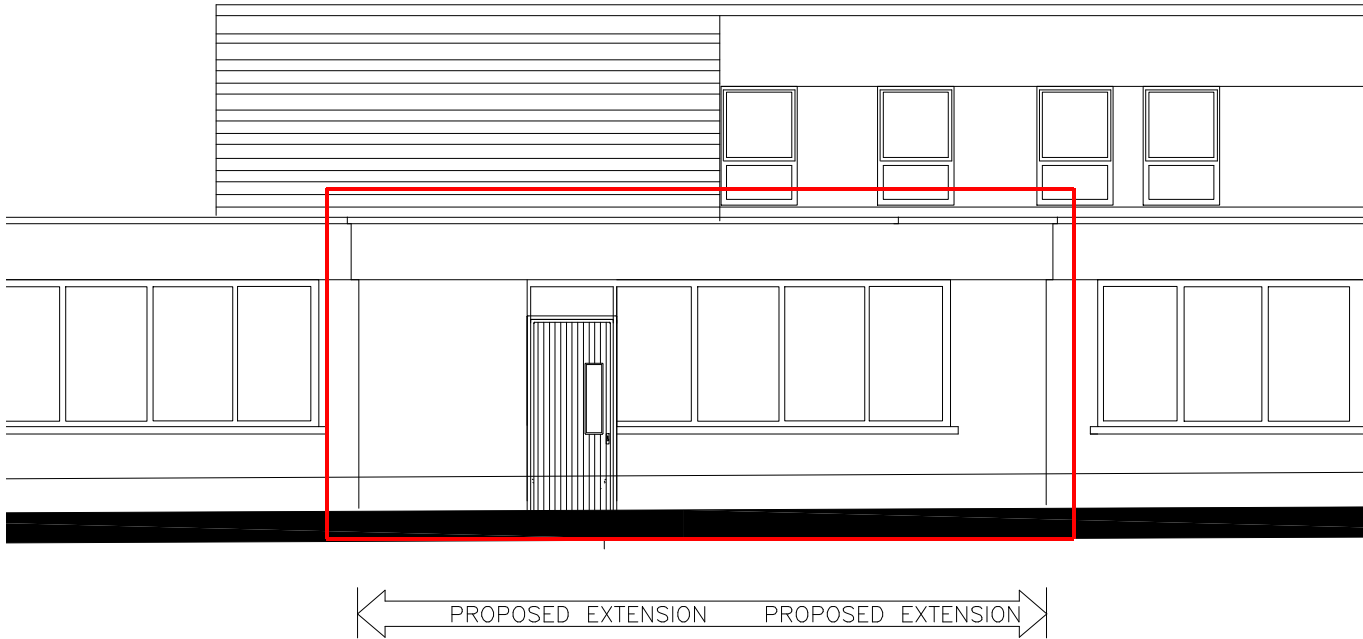
PROJECT
Extensions & Renovations

JOB NUMBER: 17075
DATE: 30-06-2017
SCALE: 1/100
DRAWN: Barry McMahon

DRAWING
Elevations
Sheet 1 of 3
Area 1

DRAWING. NO.	REVISION	
11	T0	
Drawn By.	Checked By.	Approved By.

A3



NOTE
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REV.	DATE	DESCRIPTION	DRAWN
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CBS Secondary School Thurles
PROJECT
Extensions & Renovations

JOB NUMBER: 17075
DATE: 30-06-2017
SCALE: 1/100
DRAWN: Barry McMahon

DRAWING
Elevations
Sheet 2 of 3
Area 2

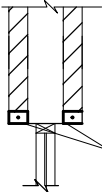
DRAWING. NO. REVISION

12 T0

Drawn By. Checked By. Approved By.

A3

T1



2 NO 100x65mm
PRESTRESSED
CONCRETE LINTELS,
LINTELS TO BE PLACED
WITH ROUGHT SIDE UP

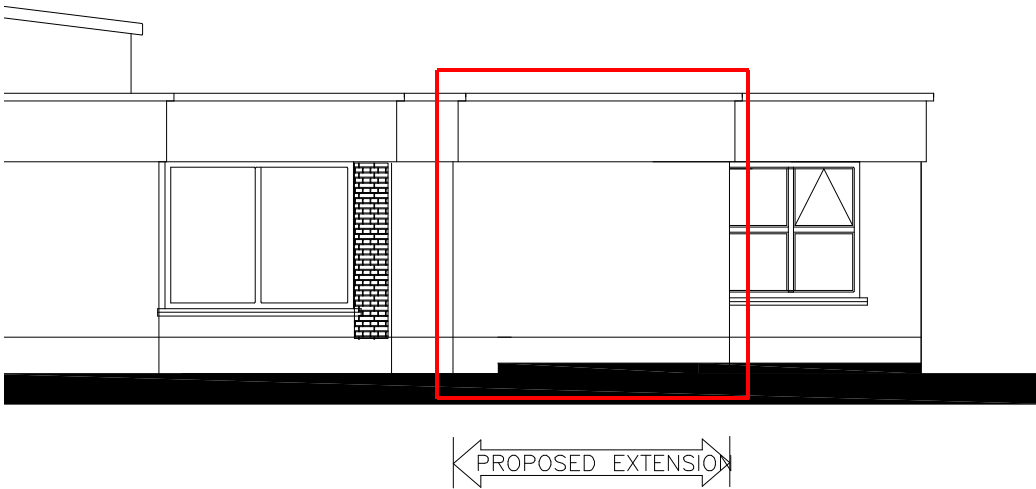
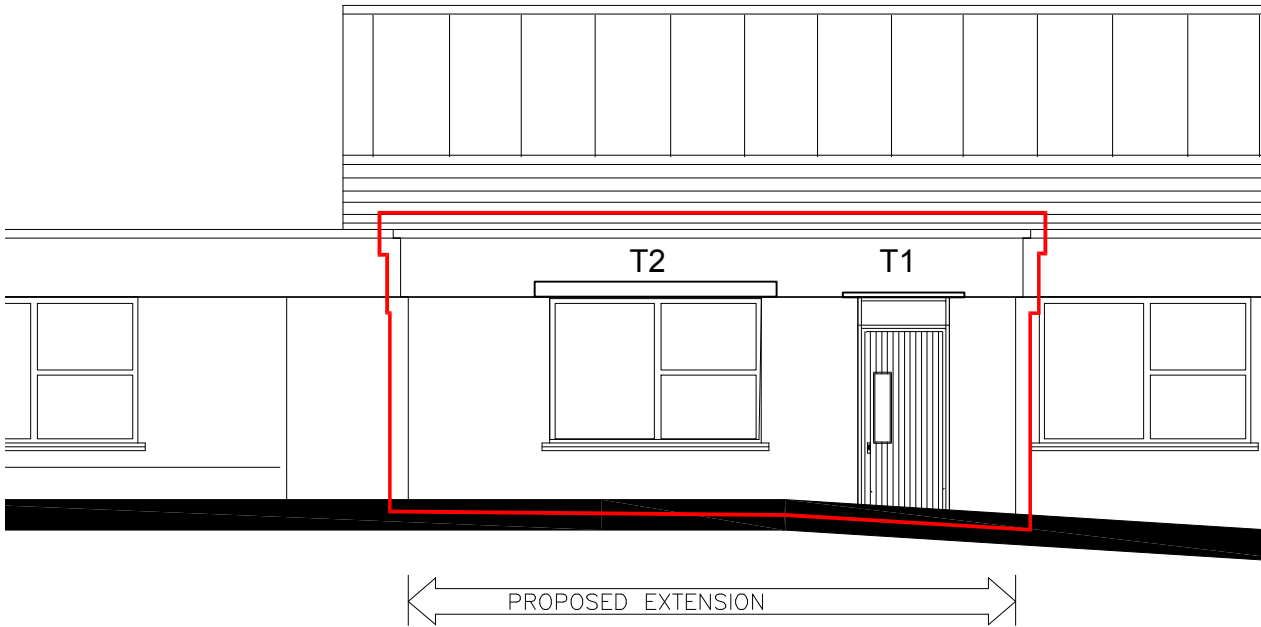
T2



KEYSTONE LINTEL S/K-150 (OR
SIMILAR APPROVED)
SPECIFICALLY DESIGNED TO
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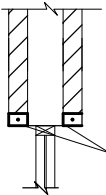
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<table><tr><td>REV.</td><td>DATE</td><td>DESCRIPTION</td><td>DRAWN</td></tr></table>		REV.	DATE	DESCRIPTION	DRAWN
REV.	DATE	DESCRIPTION	DRAWN		
Tender					
<div><div></div><div>R.J. Brett & Associates <i>Civil & Structural Consulting Engineers</i></div></div> <div><div>• Tirol House, Tyone, Nenagh, Co. Tipperary</div><div>• Lock Quay, Old Clare St, Limerick</div><div>T 067 37950 F 067 37951 Mob 087 9974798</div><div>E-mail pjbreth@pba.ie</div></div>					
CLIENT CBS Secondary School Thurles					
PROJECT Extensions & Renovations					
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DRAWING Elevations					
Sheet 3 of 3					
Area 3					
<div>DRAWING. NO.13</div> <div>REVISIONT0</div>					
<div>Drawn By.</div> <div>Checked By.</div> <div>Approved By.</div>					

A3

T1



2 NO 100x65mm
PRESTRESSED
CONCRETE LINTELS,
LINTELS TO BE PLACED
WITH ROUGH SIDE UP

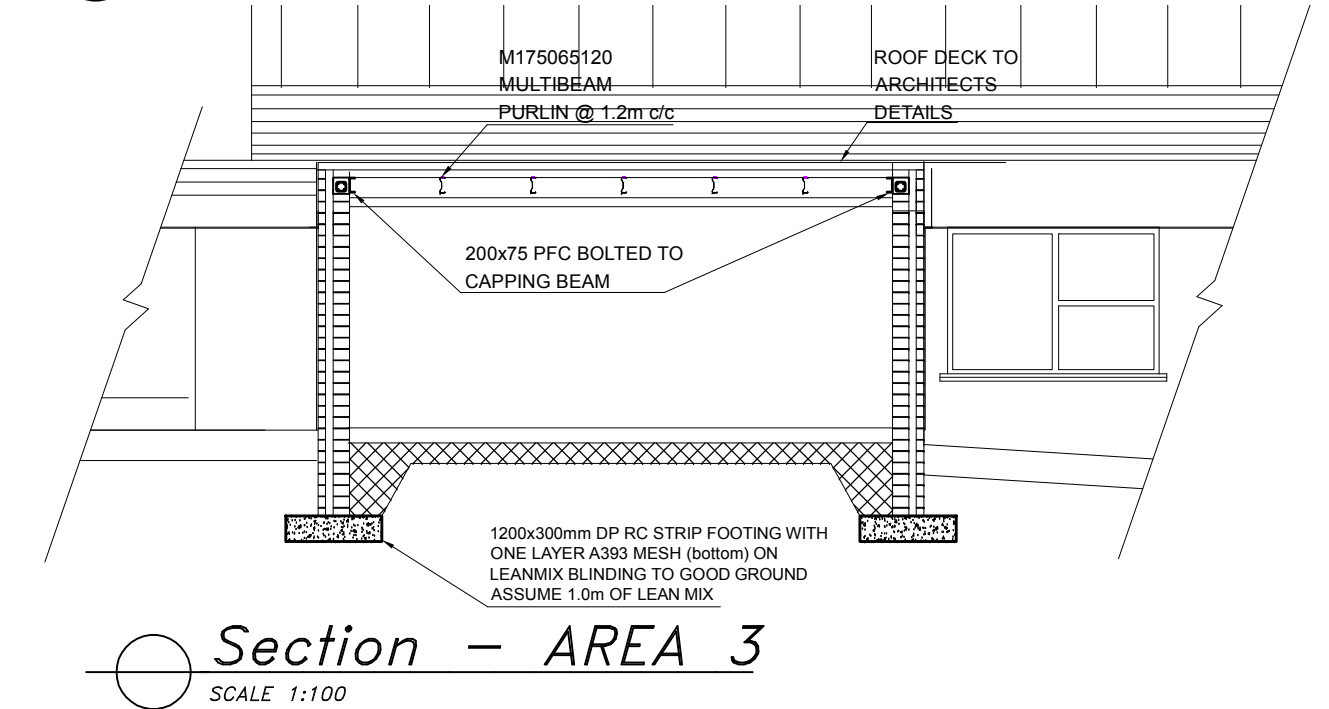
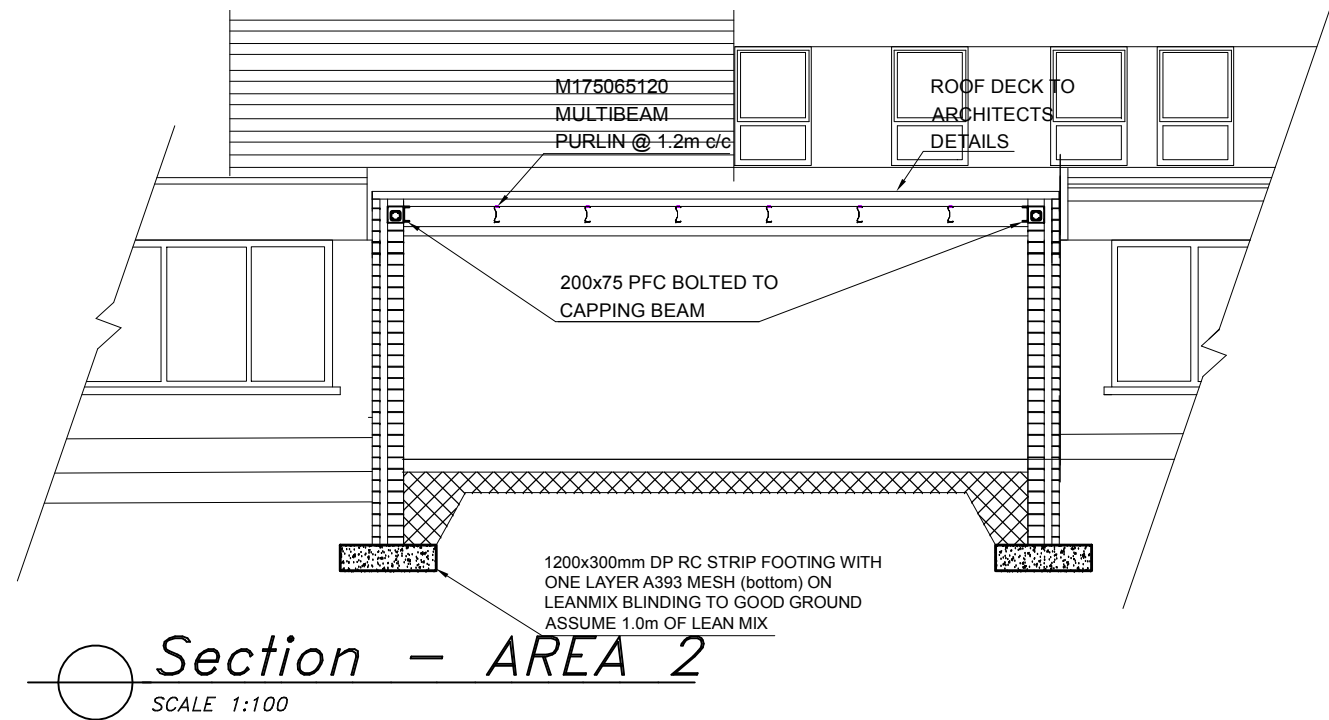
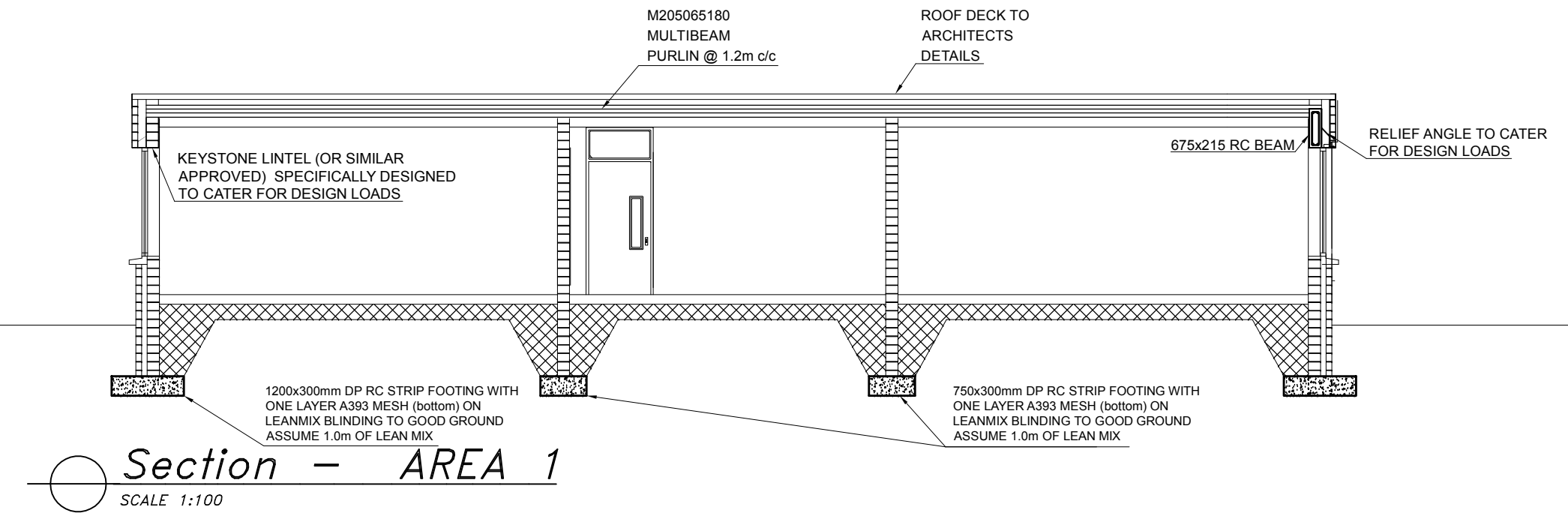
T2



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Tender



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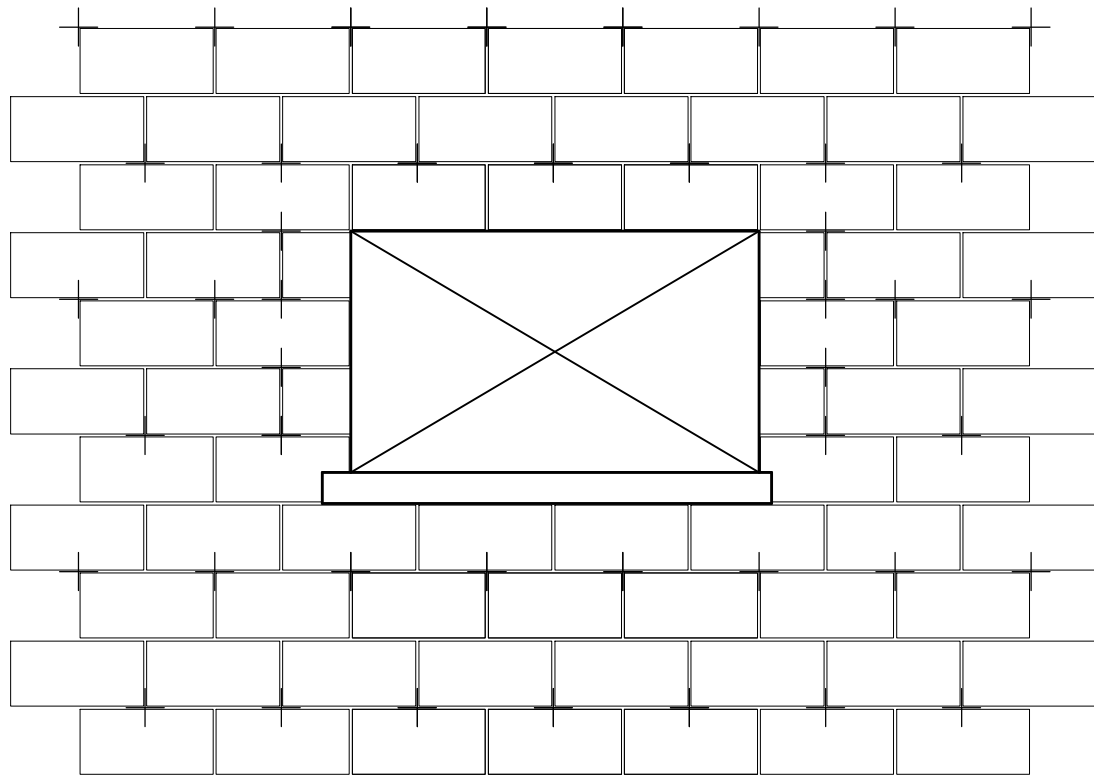
CLIENT
CBS Secondary School Thurles
PROJECT
Extensions & Renovations

JOB NUMBER: 17075
DATE: 30-06-2017
SCALE: 1/100
DRAWN: Barry McMahon

DRAWING
Sections

DRAWING. NO. REVISION

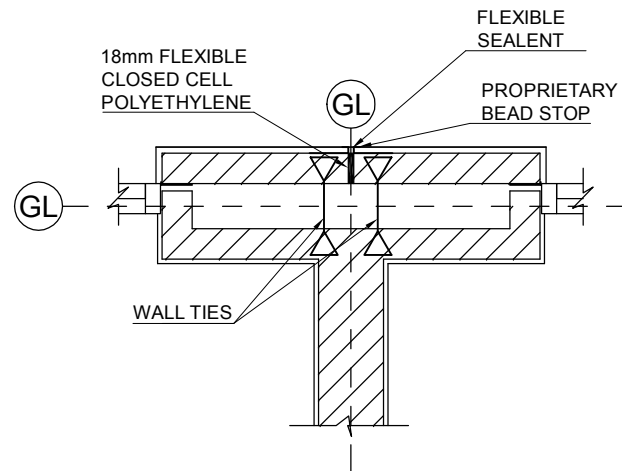
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Drawn By: Checked By: Approved By: A3



**TYPICAL PERIMETER BLOCK PANEL ELEVATION
(160mm CAVITY WIDTH)**

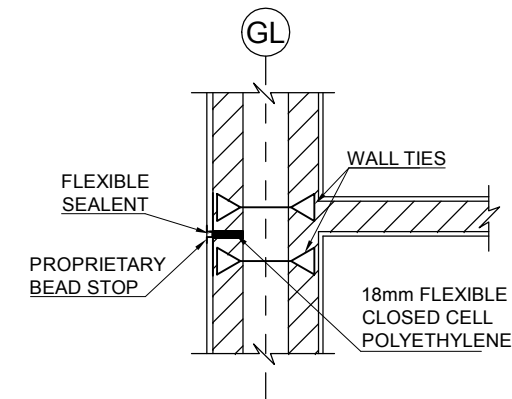
SCALE 1:25

CAVITY WIDTH FOR WHICH TIE IS INTENDED	MINIMUM NUMBER OF TIES PER M2	DECLARED MEAN LOAD CAPACITY N	MINIMUM EMBEDMENT AT LENGHT MM	MAXIMUM HORIZONTAL CENTERS MM	MAXIMUM VERTICAL CENTERS MM
160	4.9	+/- 900	50	450	450



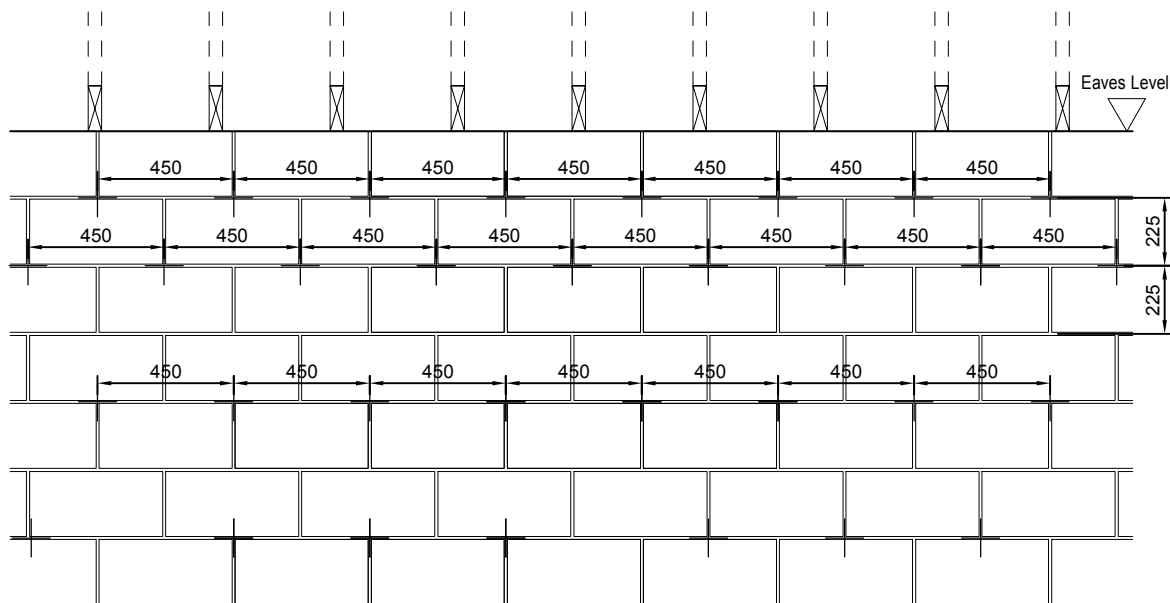
Typical movement joint

SCALE 1:25



Typical movement joint

SCALE 1:25



**TYPICAL EAVES BLOCK PANEL ELEVATION
WHERE BLOCK CAVITY CLOSER NOT PROVIDED**

SCALE 1:25

- NOTE:
- 1) ALL WALL TIES TO BE TO I.S.268 and E.N.845 1-3
 - 2) STAINLESS STEEL WALL TIES @ 450mm c/c HORIZONTALLY
450mm c/c VERTICALLY IN STAGGERED ROWS.
 - 3) 50mm MIN. EMBEDMENT OF TIES IN MORTAR.
 - 4) ALL WALL TIES TO BE CE MARKED AND APPROVED FOR THE SPECIFIC CAVITY WIDTH

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NOTE:

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OBTAIN A DECLARATION OF
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EACH DELIVERY DOCKET TO THEN
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DECLARATION OF PERFORMANCE

NOTE:

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DESIGN DRAWINGS.

FINAL STRCTURAL DESIGN AND
APPROVAL TO BE CARRIED OUT BY
HOMBOND ON EACH INDIVIDUAL
HOUSE SITE

REV.	DATE	DESCRIPTION	DRAWN
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Tender



• Tirol House, Tyone, Nenagh, Co. Tipperary
• Lock Quay, Old Clare St, Limerick
T 067 37950 F 067 37951 Mob 087 9974798
E-mail pjbreth@pba.ie

CLIENT

CBS Secondary School Thurles

PROJECT

Extensions & Renovations

JOB NUMBER: 17075
DATE: 30-06-2017
SCALE: As shown
DRAWN: Barry McMahon

DRAWING

Blockwork details

DRAWING NO. REVISION

15 T0

Drawn By: Checked By: Approved By:

A3