FFL TO BE CONFIRMED ONSITE BY REGISTER SURVEYOR AND BUILDER

Select Structure
building certification & construction advice

BUILDING APPROVAL
issued under section 28 of the Building Act 2004

1a(i), 10a and 10b
BCA Occupancy Class

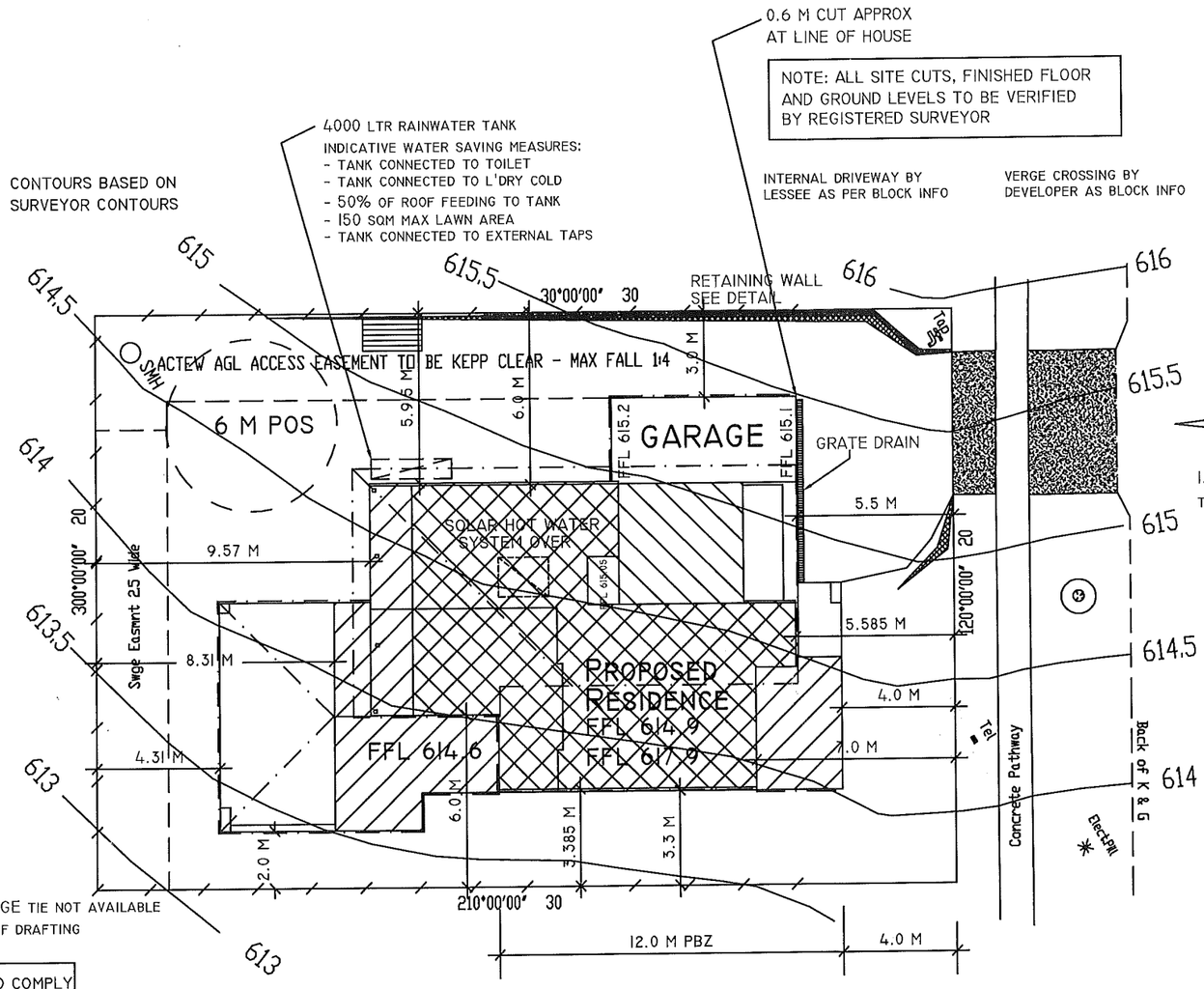
N/A
BCA Construction Type

1 of 11
Number of pages

15/10/2012
Issue Date

Livij Krevatin
Licence No. 2010979

APPROVED
John Easthope
on behalf
Land Development Agency



SW & SWGE TIE NOT AVAILABLE AT TIME OF DRAFTING

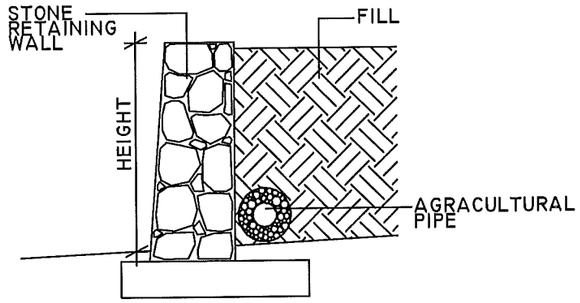
SEDIMENT & EROSION CONTROL TO COMPLY WITH-BEST PRACTICE GUIDELINES-PREVENT POLLUTION FROM RESIDENTIAL BUILDING SITES - 2009
ALL ITEMS ON INCLUSION LIST TAKE PREFERENCE TO WORKING DRAWINGS
DEVELOPMENT LANDSCAPING - 50% OF POS TO BE RETAINED AS PLANTING AREA
SILT BARRIER DURING CONSTRUCTION TO LOW POINT OF SITE
DOOR AND WINDOW LOCATIONS SUBJECT TO BRICK DIMENSIONS POSITIONS MAY NOT MATCH ELEVATIONS
LIGHTING TO COMPLY WITH 3.12.5.5 OF THE BCA WATER HEATER IN HOT WATER SUPPLY SYSTEM TO COMPLY WITH 3.12.5.6 OF THE BCA

NO INTERNAL DRAINAGE FOR PROPOSED STRUCTURE TO BE LOCATED IN SEWER EASEMENT/PIPE PROTECTION ENVELOPE - ALL WORKS DONE TO ACTEW GUIDELINES

1.8 M HIGH STANDARD PALING FENCE

ALL FENCING TO COMPLY WITH FENCING CODE

ALL BUILDING WASTE TO BE COLLECTED IN HOPPER LOCATED ON SITE.
RESIDENTIAL WASTE TO BE COLLECTED BY ROAD SIDE PICKUP AND BINS TO BE LOCATED ON SITE.



RETAINING WALL

EXTENT OF RETAINING WALL TO VERIFIED ONSITE
RETAINING WALL SHOWN ON PLANS IS INDICATIVE ONLY

BLOCK AREA	: 600 SQM
POS REQUIRED	: 310 SQM
POS ACHIEVED	: 401 SQM
(EXCLUDING RESIDENCE/ GARAGE)	
POS > 6M	: 228.95 SQM

NORTH

NOTE :
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- All construction work to be done in accordance with the BUILDING CODE OF AUSTRALIA, and relevant codes.
- All concrete slabs and footings are to be in accordance with engineers details
- Ground lines are indicative only and must be verified on site

Select Structure
building certification & construction advice

VERIFICATION OF EXEMPT STATUS

15/10/2012
Issue Date

Livij Krevatin
Licence No.2010979

New Age
Design Services PTY LTD
PH. : 6242 6234
83 Lysaght Street Mitchell ACT 2911
info@newagedrafting.com.au

CLIENT/BUILDER:

PROJECT:
PROPOSED RESIDENCE

BLOCK: 2 SECTION: 160

SUBURB: HARRISON

SCALE:	DWG NO:	JOB NO:
1:200 @ A3	1	12115
DATE: 19.9.12	DRAWN: D Y	

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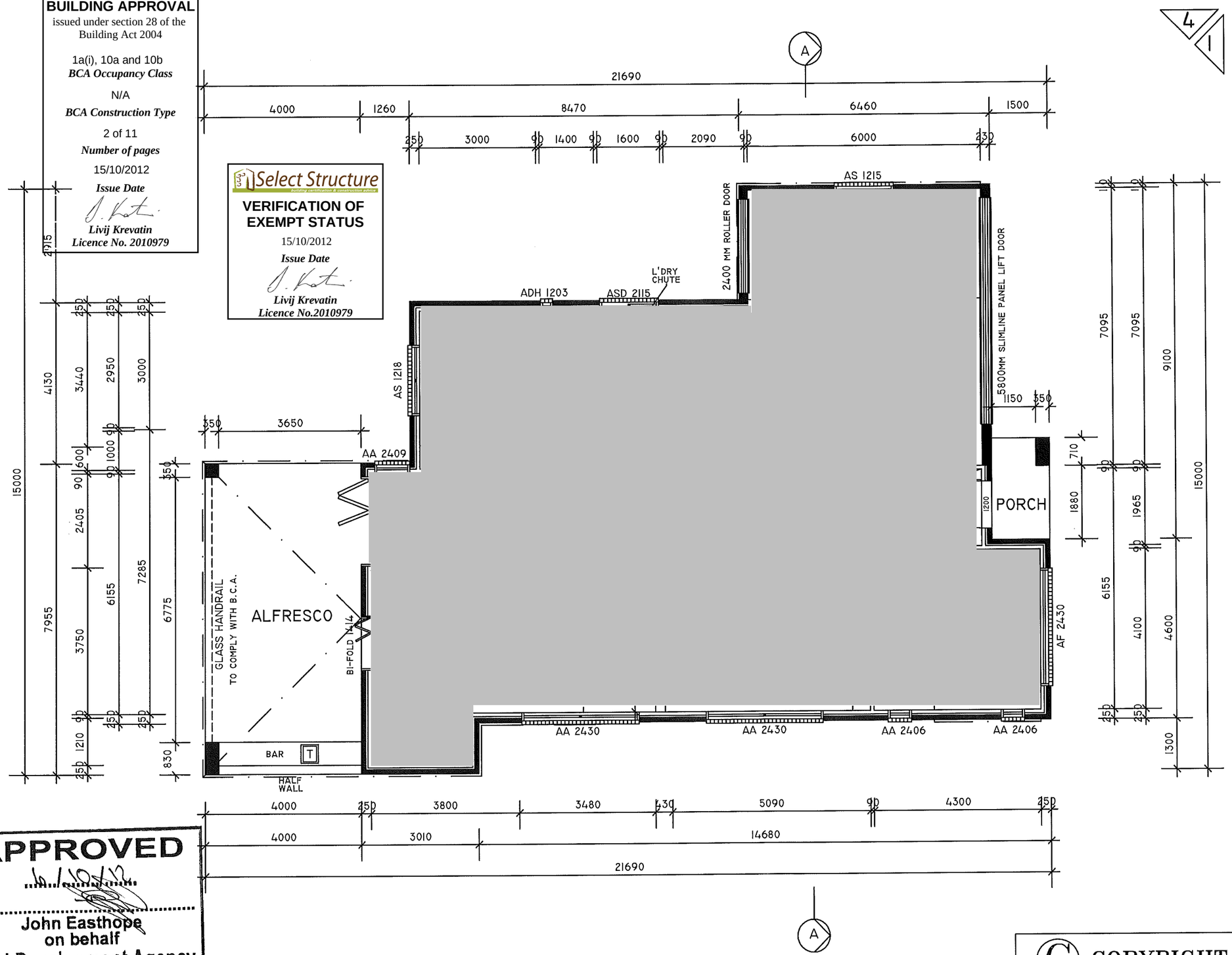

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1:100 @ A3	2	12115
DATE: 19.9.12	DRAWN: D Y	

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on behalf
Land Development Agency

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LOWER FLOOR	153.50 SQM	BALCONY	11.76 SQM
UPPER FLOOR	101.00 SQM	BALCONY (FRONT)	7.84 SQM
GARAGE	45.50 SQM	PORCH	3.88 SQM
ALFRESCO	31.82 SQM	GROSS AREA	355.30 SQM

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N/A

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3 of 11

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4
1

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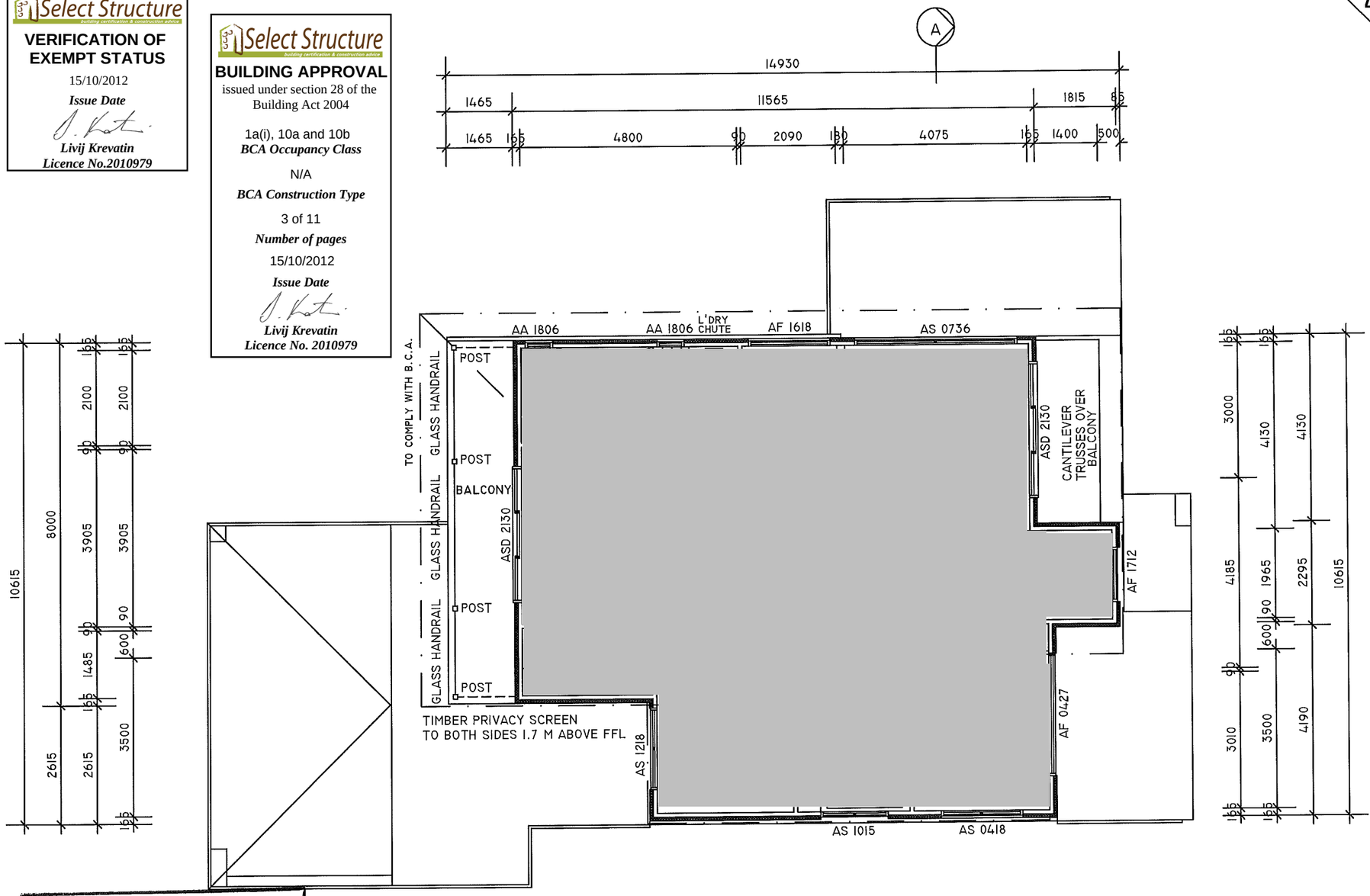

APPROVED
6/9/12
John Easthope
on behalf
Land Development Agency

NORTH

3
2

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SUBURB: HARRISON

SCALE:	DWG NO:	JOB NO:
1:100 @ A3	3	12115
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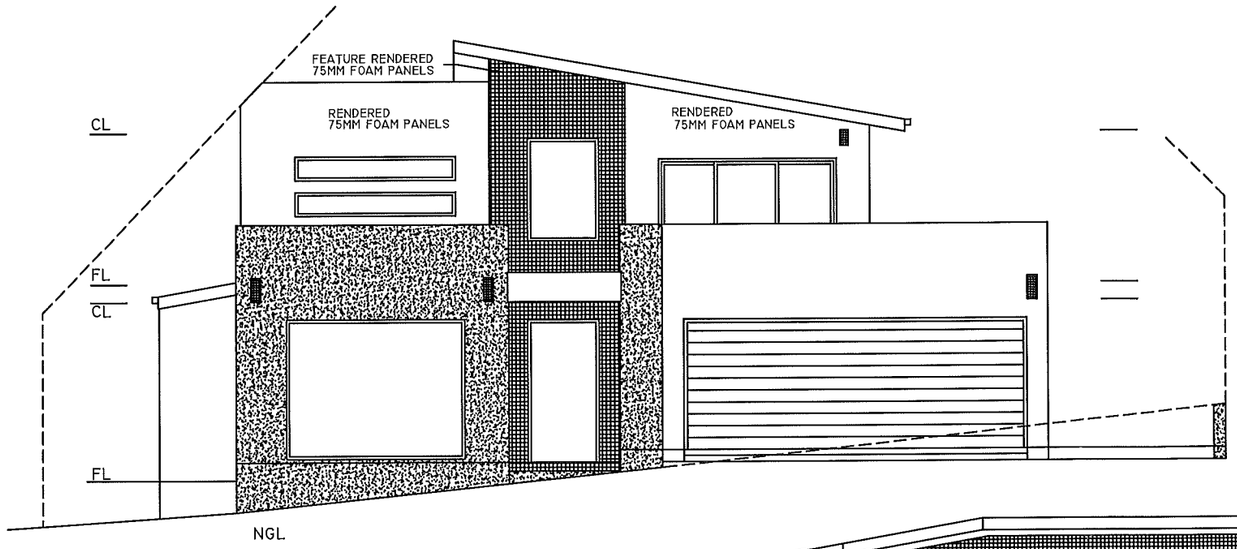
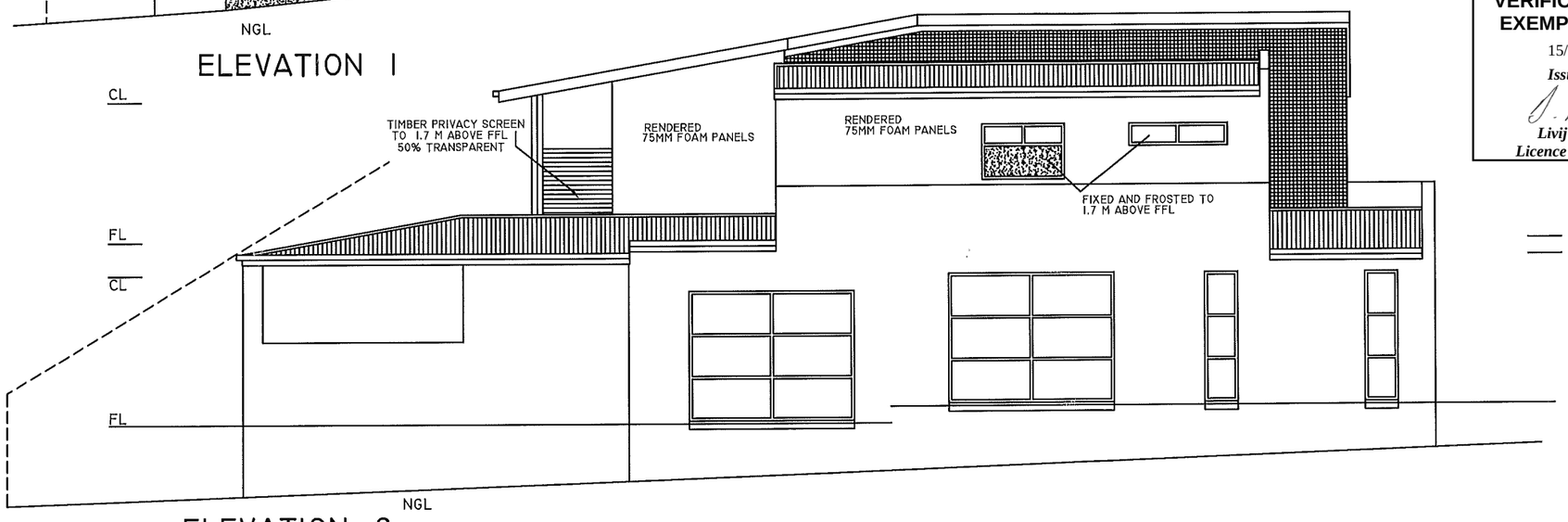
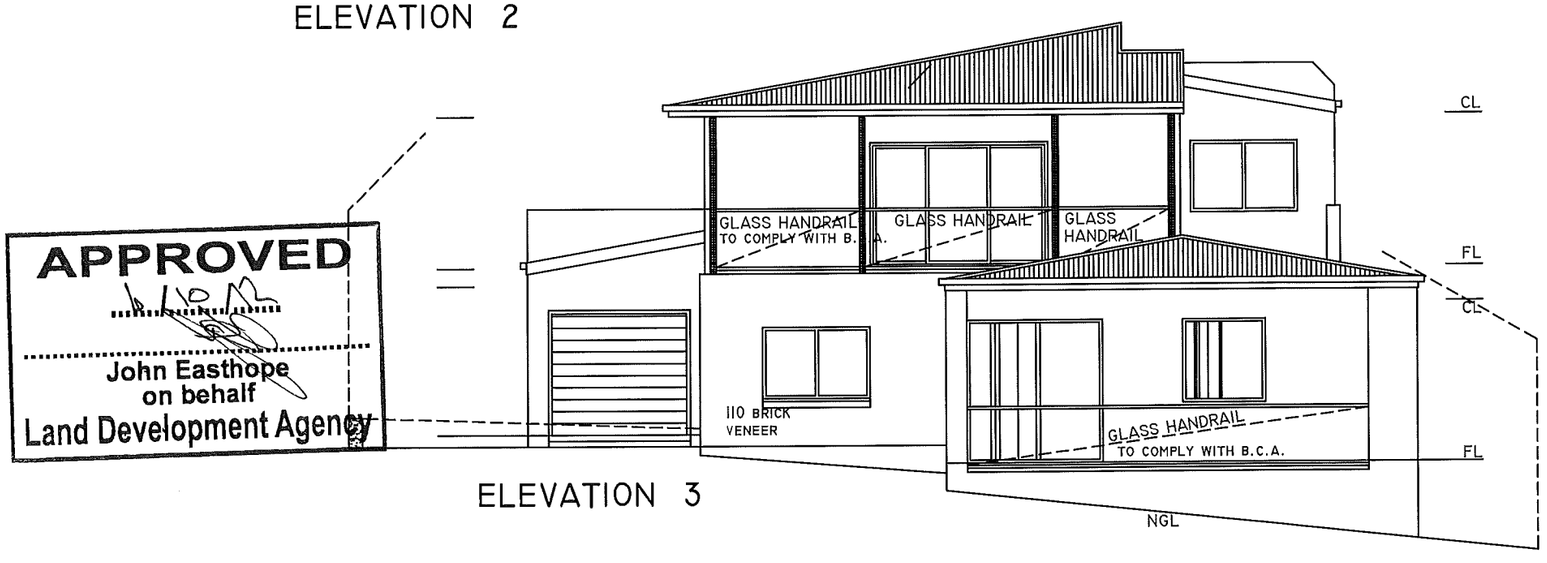


ELEVATION 1



ELEVATION 2



ELEVATION 3

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on behalf
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4 of 11
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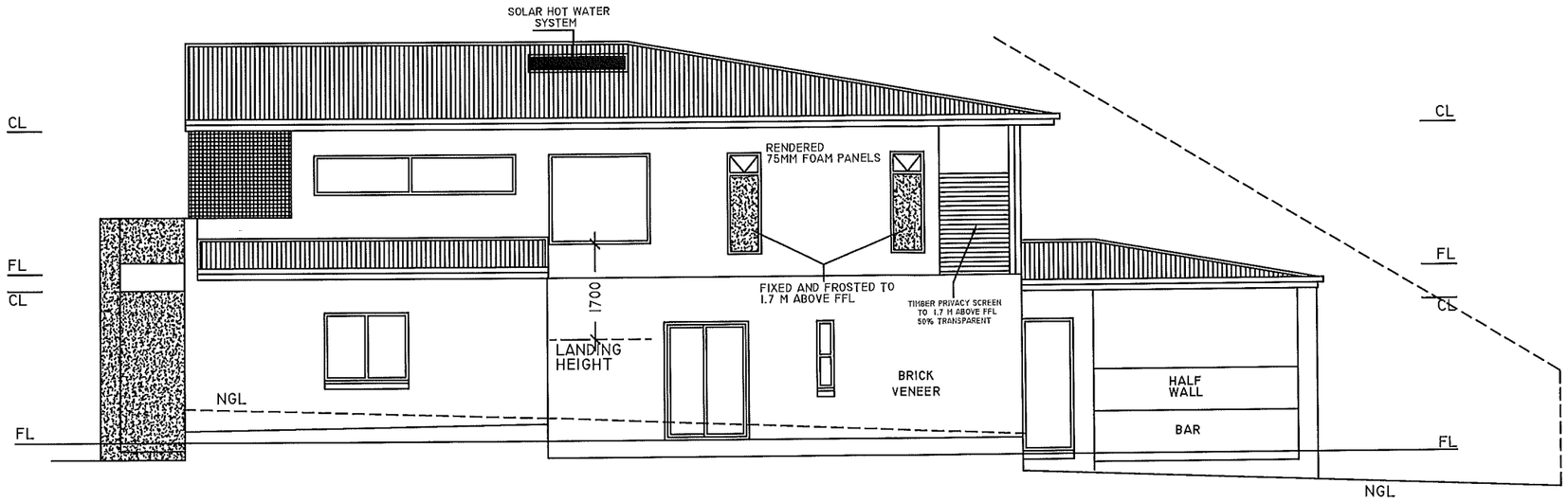


ELEVATION 4

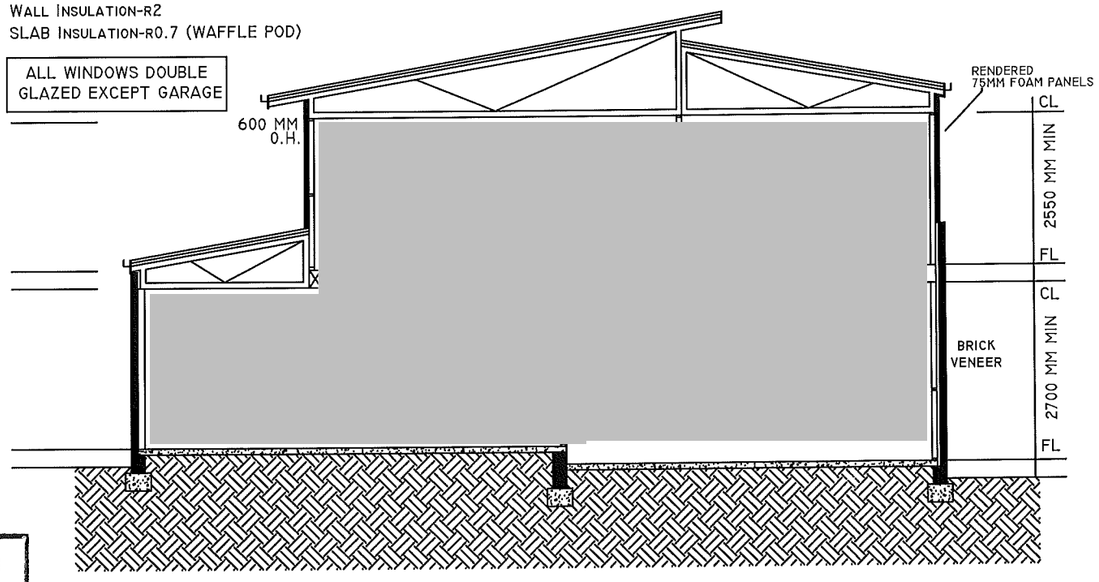
10 DEGREE ROOF PITCH
METAL ROOF AS SELECTED
PREFABRICATED ROOF TRUSSES
LINTEL SIZES AS PER TRUSS MANUF. CHARTS
CEILING INSULATION-R4+SISILATION
WALL INSULATION-R2
SLAB INSULATION-R0.7 (WAFFLE POD)

ALL WINDOWS DOUBLE GLAZED EXCEPT GARAGE

ALL STRUCTURAL AND NON STRUCTURAL TIMBER TO BE IN ACCORDANCE WITH THE TIMBER FRAMING CODE.

ALL STRUCTURAL STEEL COULUMS/ POSTS/ BEAMS TO BE CERTIFIED BY STRUCTURAL ENGINEER.

90x35 PINE PLATES AND NOGGINGS
90x35 PINE STUDS AT 450CTRS TO LOAD BEARING WALLS AND AT 600CTRS TO NON-LOAD BEARING WALLS
PLASTERBOARD INTERNAL WALL AND CEILING LINING
CEMENT SHEET LINING TO WET AREAS
FINISHES AS SELECTED



SECTION A - A

ALL CONCRETE FOOTINGS AND SLABS TO BE IN ACCORDANCE WITH ENGINEERS DETAILS
PROVIDE CONTINUOUS DAMPPROOF MEMBRANE UNDER SLAB.

ROOF & EXTERNAL WALL COLOURS NOT TO BE WHITE OR OFF-WHITE.

APPROVED
16/10/12
John Easthope
on behalf
Land Development Agency

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5 of 11
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BLOCK: 2 SECTION: 160

SUBURB: HARRISON

SCALE:	DWG NO:	JOB NO:
1:100 @ A3	5	12115
DATE: 19.9.12	DRAWN: D Y	

NOTE: PLEASE SEE S02 FOR FOOTING DETAILS

NOTE: BUILDER TO PUT R 0.8 SLAB INSULATION

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6 of 11
Number of pages

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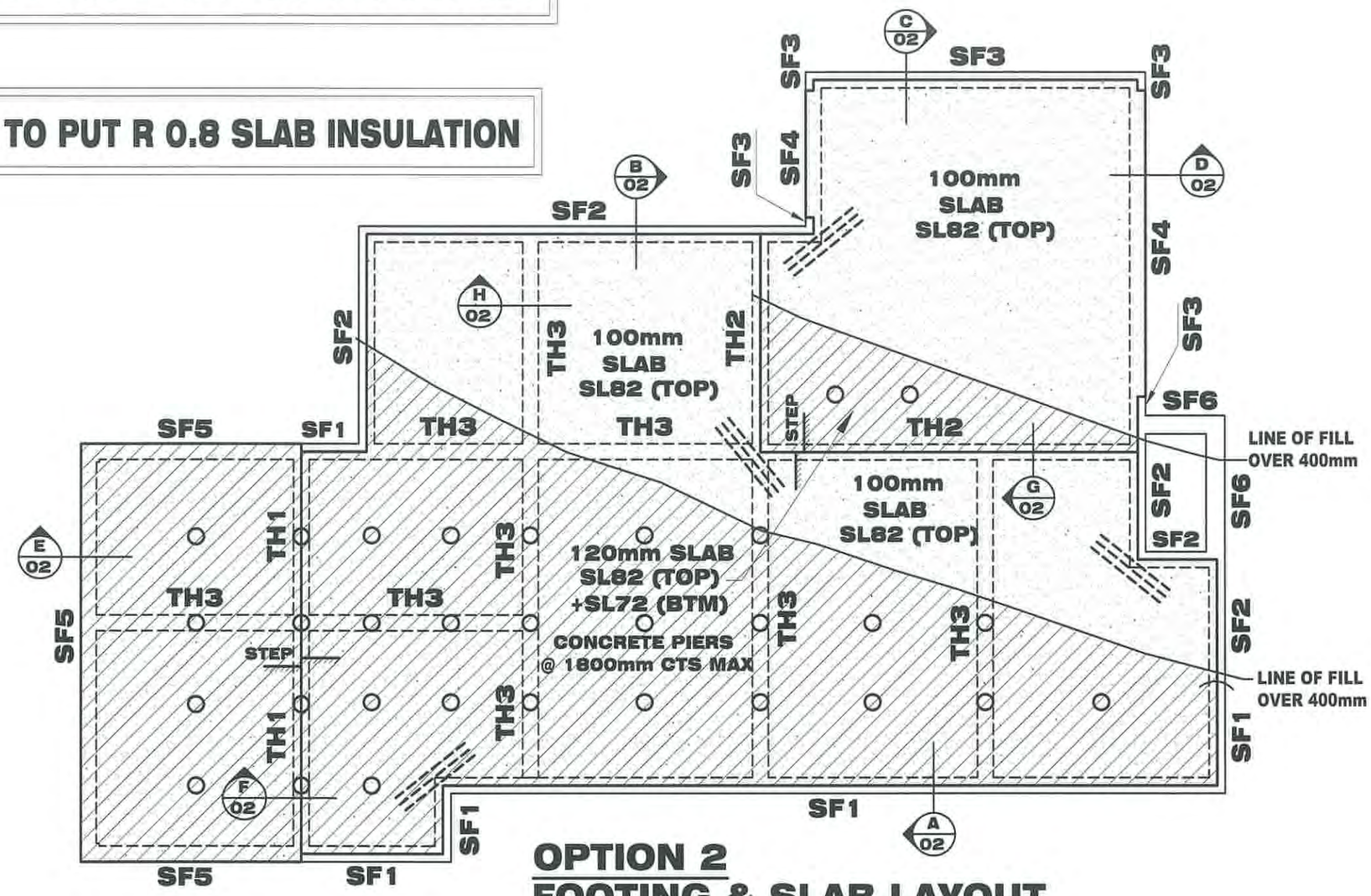


OPTION 2
FOOTING & SLAB LAYOUT
SCALE = 1 : 100

FOOTING/SLAB PLAN

DESIGNED FOR CLASS `M` CLASSIFICATION.

LEGEND

FOR ALL FOOTING DETAILS REFER TO SECTIONS

DENOTES ADDITIONAL SL72 (BTM)

DENOTES 300Ø BORED PIERS TO 600 mm INTO NATURAL GROUND

3N12 OR 3L11TM (TOP), 2000mm LONG

DENOTES 300Ø BORED PIERS TO INVERT LEVEL OF PIPE

NOTE: REMOVE ALL VEGETATION AND TOP SOIL WITHIN BUILDING ENVELOPE. BEARING STRATA TO BE UNIFORM THROUGHOUT BUILDING PLATFORM

NOTE: BUILDER TO ISSUE CSIRO REPORT TO HOME OWNER GUIDE TO HOMEOWNERS ON FOUNDATION MAINTENANCE AND FOOTING PERFORMANCE

NOTE: ARTICULATE ALL BRICK WORK & DRAINAGE TO BCA

NOTE: THE LONG TERM SITE MANAGEMENT & MAINTENANCE OF THIS PROPERTY MUST BE IN ACCORDENCE WITH APPENDIX B OF AS2870-2011. THIS MAINTENANCE IS THE RESPONSIBILITY OF THE HOME OWNER (REFER TO CSRIO BROCHURE - FOUNDATION MAINTENANCE & FOOTING PERFORMANCE: A HOMEOWNER'S GUIDE)

NOTE: BUILDER TO CONFIRM SEWER DOES NOT AFFECT DWELLING BEFORE COMMENCING WORK ONSITE. CONTACT THIS OFFICE IF OTHERWISE

NOTE: BUILDER TO CONFIRM EASEMENT DOES NOT AFFECT DWELLING BEFORE COMMENCING WORK ONSITE. CONTACT THIS OFFICE IF OTHERWISE

STEELWORK NOTES
ALL STRUCTURAL STEELWORK IS TO BE IN ACCORDANCE WITH THE CURRENT A.S. CODES.
ALL CIRCULAR PIPES, SQUARE HOLLOW SECTIONS, RECTANGULAR HOLLOW SECTIONS TO BE GRADE 350.
ALL REMAINING STRUCTURAL STEEL TO BE GRADE 300 EXCEPT PLATES TO BE GRADE 250 U.N.O.
ALL WELDS (UNLESS OTHERWISE NOTED) TO BE 6MM CONTINUOUS FILLET.
ALL BUTT WELDS TO BE FULL SIZE OF CONNECTING PARTS.
ALL STRUCTURAL STEELWORK IS TO BE GIVEN ONE COAT OF ZINC CHROMATE PRIMER BEFORE LEAVING THE WORKSHOP. (IF NOT CONCRETE ENCASED).
REMOVE ALL MILL SCALE, RUST AND GREASE BEFORE PAINTING.
ALL CONCRETE ENCASED STEELWORK IS TO BE WRAPPED WITH 3.2MM GAUGE WIRE AT 100MM CENTRES OR EQUIVALENT AND IS TO HAVE A MIN. 50MM COVER ALL AROUND.
CEMENT WASH ALL CONCRETE ENCASED STEELWORK.
WHERE BRICK WALLS ABUT OR PASS STANCHIONS WELD OR POWER FASTEN BRICK TIES TO STANCHIONS EVERY 6 BRICK COARSES.

CONCRETE NOTES
TYPE A CEMENT TO BE USED IN ALL CONCRETE.
ALL CONCRETE WORK TO BE IN ACCORDANCE WITH THE CURRENT A.S. CODES.
CONCRETE FC TO BE 20 MPa FOR PIERS, STRIP FOOTINGS AND SLABS ON GROUND. 25MPa FOR REMAINDER U.N.O.
CONCRETE FILLING TO WALLS TO BE 20MPa WITH 10MM AGGREGATE AND 80MM SLUMP.
'R' REFERS TO PLAIN ROUND STRUCTURAL GRADE BARS WITH FSY = 230MPa.
'N' REFERS TO 500PLUS GRADE REINFORCING BARS WITH FSY = 500MPa.
'FABRIC' REFERS TO ONEMESH HIGH TENSILE WELDED WIRE MESH WITH FSY = 500MPa.
LAP ALL FABRIC TO MANUFACTURER'S SPECIFICATIONS.
STAGGER LAPS IN FABRIC TO PREVENT FOUR THICKNESS OF FABRIC OCCURING IN EITHER TOP OR BOTTOM REINFORCEMENT.
CONCRETE COVER TO MAIN REINFORCEMENT TO BE:-
STRIP FOOTINGS AND FOOTING BEAMS; BTM-65MM
TOP AND SIDES-50MM, COLUMNS: ALL AROUND 50MM.
CONCRETE BEAMS; ALL ROUND 40MM
SLABS ON COMPACTED FILL; TOP-25MM.
ALL INTERNAL SUSPENDED SLABS AND STAIRS; TOP AND BOTTOM - 20MM (EXPOSURE CLASSIFICATION A1).
ALL EXTERNAL SUSPENDED SLABS AND STAIRS; TOP AND BOTTOM - 30MM (EXPOSURE CLASSIFICATION A2).
SLAB THICKNESS DOES NOT INCLUDE FLOOR FINISH.
ALL CONCRETE TO BE PLACED USING VIBRATORS.
BRICKWORK SUPPORTING SLABS TO HAVE A DAMP PROOF MEMBRANE BETWEEN THE BRICKWORK AND THE CONCRETE.
WHERE CONCRETE SLABS ABUT BRICK WALLS PLACE 10MM BITUMINOUS CANEITE BETWEEN THE TWO SURFACES. 40MM MAX COMPACTED FILL UNDER SLABS. TO AS.2870 WHERE FILL EXCEEDS 400MM IN DEPTH SEEK ENGINEERING ADVICE FOR PIERS AND SLAB REINFORCEMENT DETAILS.

ISSUE	DESCRIPTION	DATE	CHECKED

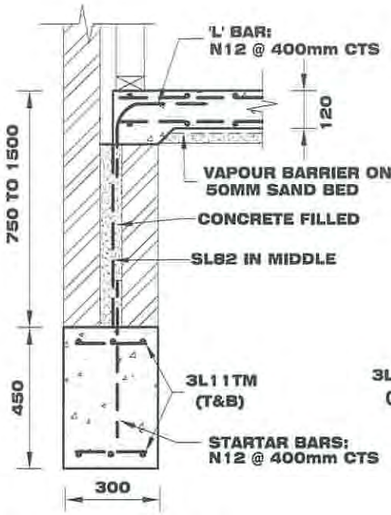
PIERRE DRAGH
CONSULTING ENGINEERS
email: pdragh@gmail.com
PO BOX 336
HALL ACT 2618
Ph: 0438 625 440

CLIENT

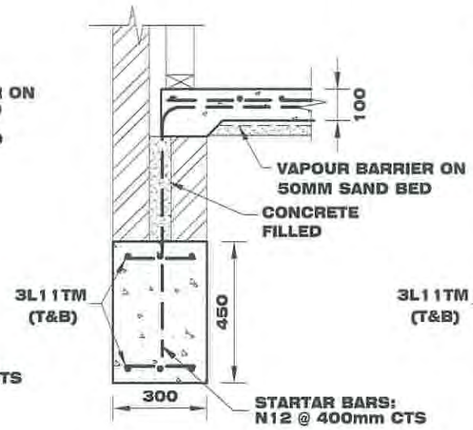
PROJECT
PROPOSED RESIDENCE BLOCK 2 SECTION 160 HARRISON

TITLE
OPTION 2 FOOTING & SLAB LAYOUT

DESIGNED BY KZ	SCALE AS SHOWN @ A3
DRAWN BY AFZAL	JOB NO.
AUTHORISED	DRAWING NO. S01 OF 03
21-09-2012	



TYPICAL SF1
SECTION A/01
SCALE = 1:20



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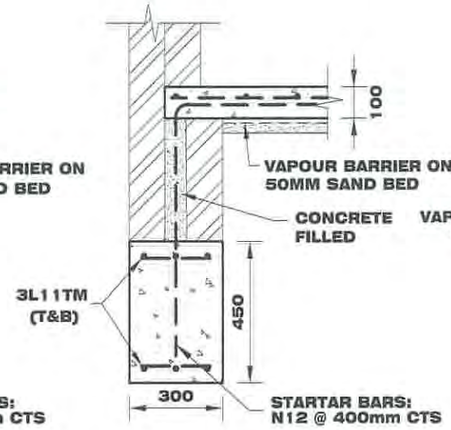

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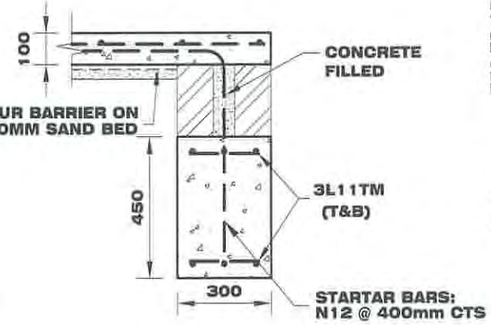

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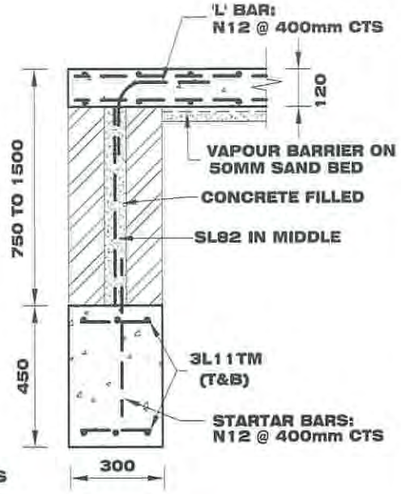

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SECTION E/01
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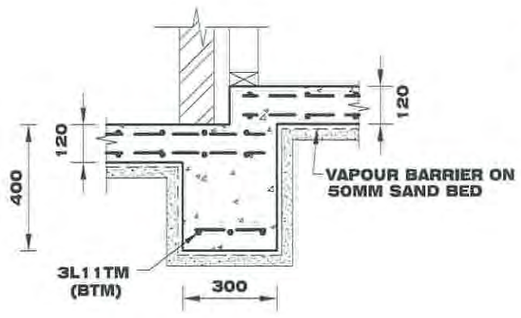
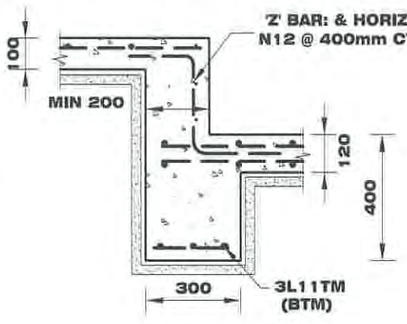
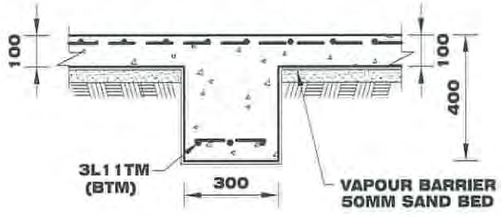


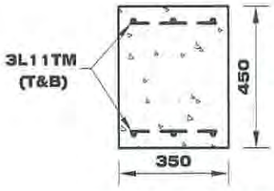
TYPICAL TH1
SECTION F/01
SCALE = 1:20



TYPICAL TH2
SECTION G/01
SCALE = 1:20



TYPICAL TH3
SECTION H/01
SCALE = 1:20



TYPICAL SF6
SCALE = 1:20

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CONCRETE NOTES

TYPE A CEMENT TO BE USED IN ALL CONCRETE.
ALL CONCRETE WORK TO BE IN ACCORDANCE WITH THE CURRENT A.S. CODES.
CONCRETE FC TO BE 20 MPa FOR PIERS, STRIP FOOTINGS AND SLABS ON GROUND, 25MPa FOR REMAINDER U.N.O.
CONCRETE FILLING TO WALLS TO BE 20MPa WITH 10MM AGGREGATE AND 80MM SLUMP.
'R' REFERS TO PLAIN ROUND STRUCTURAL GRADE BARS WITH FSY = 230MPa.
'N' REFERS TO 500PLUS GRADE REINFORCING BARS WITH FSY = 500MPa.
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LAP ALL FABRIC TO MANUFACTURER'S SPECIFICATIONS.
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CONCRETE COVER TO MAIN REINFORCEMENT TO BE:-
STRIP FOOTINGS AND FOOTING BEAMS; BTM-65MM TOP AND SIDES-50MM. COLUMNS: ALL AROUND 50MM.
CONCRETE BEAMS: ALL ROUND 40MM
SLABS ON COMPACTED FILL: TOP-25MM.
ALL INTERNAL SUSPENDED SLABS AND STAIRS: TOP AND BOTTOM - 20MM (EXPOSURE CLASSIFICATION A1).
ALL EXTERNAL SUSPENDED SLABS AND STAIRS: TOP AND BOTTOM - 30MM (EXPOSURE CLASSIFICATION A2).
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Select Structure
building certification & construction advice

BUILDING APPROVAL
issued under section 28 of the Building Act 2004

1a(i), 10a and 10b
BCA Occupancy Class

N/A
BCA Construction Type

7 of 11
Number of pages

15/10/2012
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Livij Krevatin
Licence No. 2010979

Select Structure
building certification & construction advice

VERIFICATION OF EXEMPT STATUS

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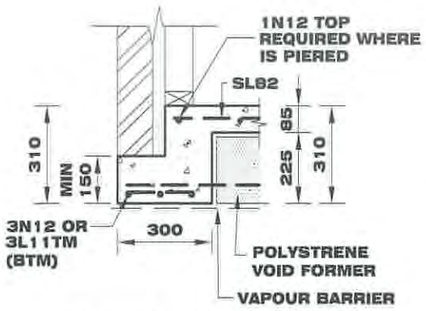
PIERRE DRAGH
CONSULTING ENGINEERS
email: pdragh@gmail.com
PO BOX 336
HALL ACT 2618
Ph: 0438 625 440

CLIENT

PROJECT
PROPOSED RESIDENCE
BLOCK 2 SECTION 160
HARRISON

TITLE
FOOTING DETAILS

DESIGNED BY KZ	SCALE AS SHOWN @ A3
DRAWN BY AFZAL	JOB NO.
AUTHORISED	DRAWING NO. S02 OF 03
21-05-2012	

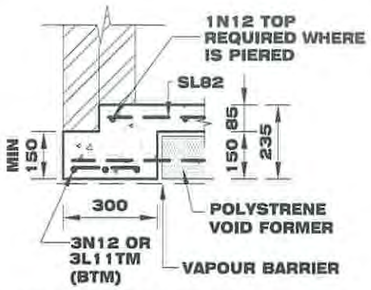


BEARING ONTO NATURAL STRATA OR PIERS(SEE NOTES)

STANDARD EDGE BEAM EB1

SECTION A/01

SCALE = 1:20

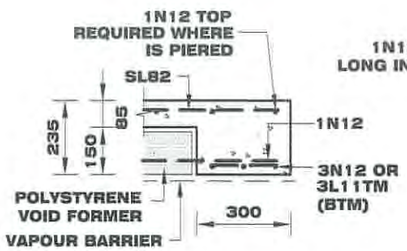


BEARING ONTO NATURAL STRATA OR PIERS(SEE NOTES)

STANDARD EDGE BEAM EB2

SECTION B/01

SCALE = 1:20

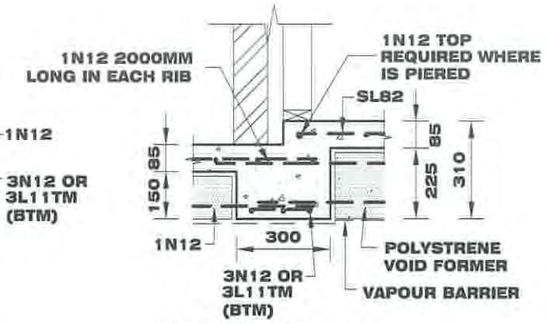


BEARING ONTO NATURAL STRATA OR PIERS(SEE NOTES)

STANDARD EDGE BEAM EB3

SECTION C/01

SCALE = 1:20

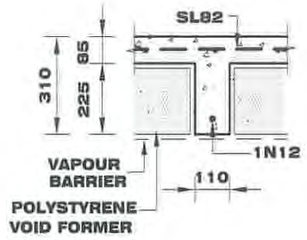


BEARING ONTO NATURAL STRATA OR PIERS(SEE NOTES)

STEPDOWN BEAM SD1

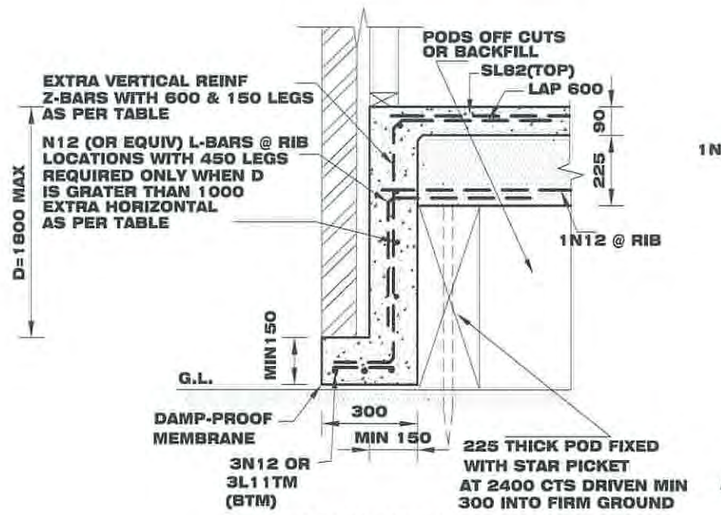
SECTION D/01

SCALE = 1:20



STANDARD INTERNAL RIB (GARAGE SIMILAR)

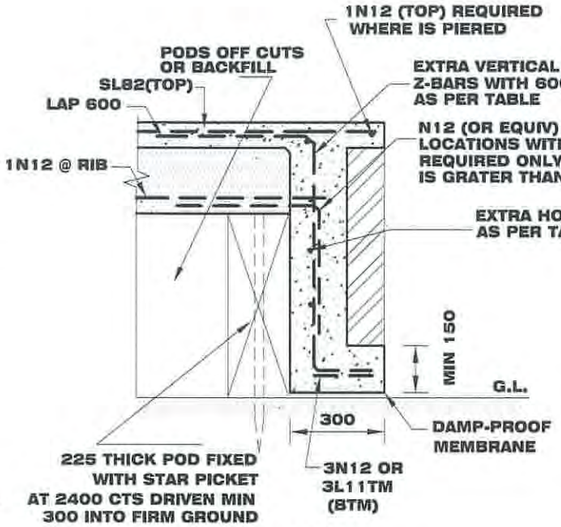
SCALE = 1:20



BEARING ONTO NATURAL STRATA OR PIERS(SEE NOTES)

DEB1 DEEP EDGE BEAM (1800 MAX)

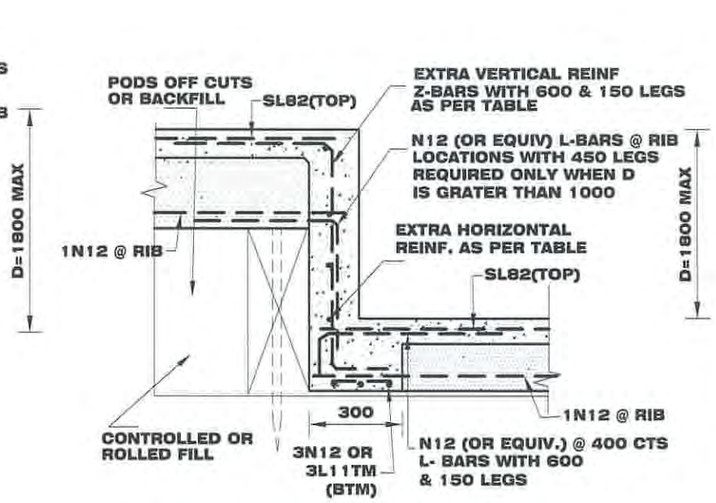
SCALE = 1:20



BEARING ONTO NATURAL STRATA OR PIERS(SEE NOTES)

DEB2 DEEP EDGE BEAM (1800 MAX)

SCALE = 1:20



BEARING ONTO NATURAL STRATA OR PIERS(SEE NOTES)

DEEP STEP BEAM (1800 MAX)

SCALE = 1:20

EXTRA REINFORCEMENT TO DEEP EDGE & DEEP STEP BEAM		
DEPTH 'D'	EXTRA VARTICAL REINFORCEMENT	EXTRA HORIZONTAL REINFORCEMENT
'D' IS LESS THAN 400	NONE	NONE
'D' IS BETWEEN 401 & 900	N12 @400CTS	N12 @400CTS
'D' IS BETWEEN 901 & 1200	N12 @300CTS	N12 @400CTS
'D' IS BETWEEN 1201 & 1800	N12 @200CTS	N12 @300CTS

Select Structure

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N/A

BCA Construction Type

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STEELWORK NOTES

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ALL STRUCTURAL STEELWORK IS TO BE GIVEN ONE COAT OF ZINC CHROMATE PRIMER BEFORE LEAVING THE WORKSHOP. (IF NOT CONCRETE ENCASED).
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ALL CONCRETE ENCASED STEELWORK IS TO BE WRAPPED WITH 3.2MM GAUGE WIRE AT 100MM CENTRES OR EQUIVALENT AND IS TO HAVE A MIN. 50MM COVER ALL AROUND.
CEMENT WASH ALL CONCRETE ENCASED STEELWORK.
WHERE BRICK WALLS ABUT OR PASS STANCHIONS WELD OR POWER FASTEN BRICK TIES TO STANCHIONS EVERY 6 BRICK COARSES.

CONCRETE NOTES

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'R' REFERS TO PLAIN ROUND STRUCTURAL GRADE BARS WITH FSY = 230MPa.
'N' REFERS TO 500PLUS GRADE REINFORCING BARS WITH FSY = 500MPa.
'FABRIC' REFERS TO ONEMESH HIGH TENSILE WELDED WIRE MESH WITH FSY = 500MPa.
LAP ALL FABRIC TO MANUFACTURER'S SPECIFICATIONS.
STAGGER LAPS IN FABRIC TO PREVENT FOUR THICKNESS OF FABRIC OCCURING IN EITHER TOP OR BOTTOM REINFORCEMENT.
CONCRETE COVER TO MAIN REINFORCEMENT TO BE:-
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PROJECT

PROPOSED RESIDENCE BLOCK 2 SECTION 160 HARRISON

TITLE

FOOTING DETAILS

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DRAWN BY AFZAL	JOB NO.
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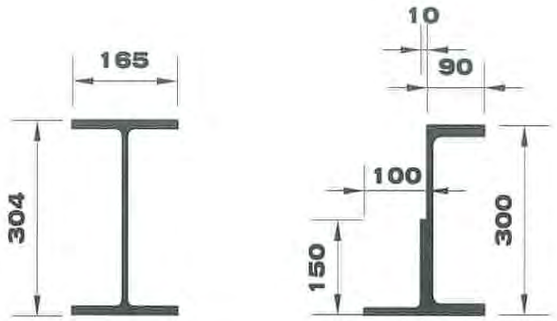
21-09-2012	

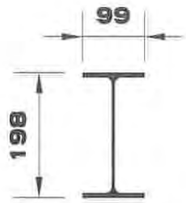
MEMBER SCHEDULE

MARK	SIZE	REMARKS
B1	310 UB 40.4 @ JOIST LEVEL	
B2	300 PFC+ 150X100X10 EA	
B3	200 UB 18.2 @ UNDER B1	
B4	3X300X45 LVL @ JOIST LEVEL	
B5	300X45 LVL @ JOIST LEVEL	
B6	2X200X45 LVL	–
B7	2X150X45 LVL	–
B8	250 PFC	–
B9	2X240X45 LVL	–
B10	150X200X10	T- SECTION
C1	89X89X5 SHS	–
DS	2/90x45	DOUBLE STUD
TS	3/90x45	TRIPLE STUD
J1&J2	JOIST TO MANUFAC. SPEC.	
DJ	140X45 TREATED PINE @ 450mm CTS MAX	



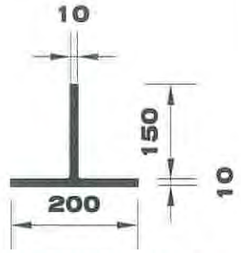
BEAM B1
310 UB 40.4
SCALE 1:10

BEAM B2
300 PFC + 150X100X10 UA
SCALE 1:10

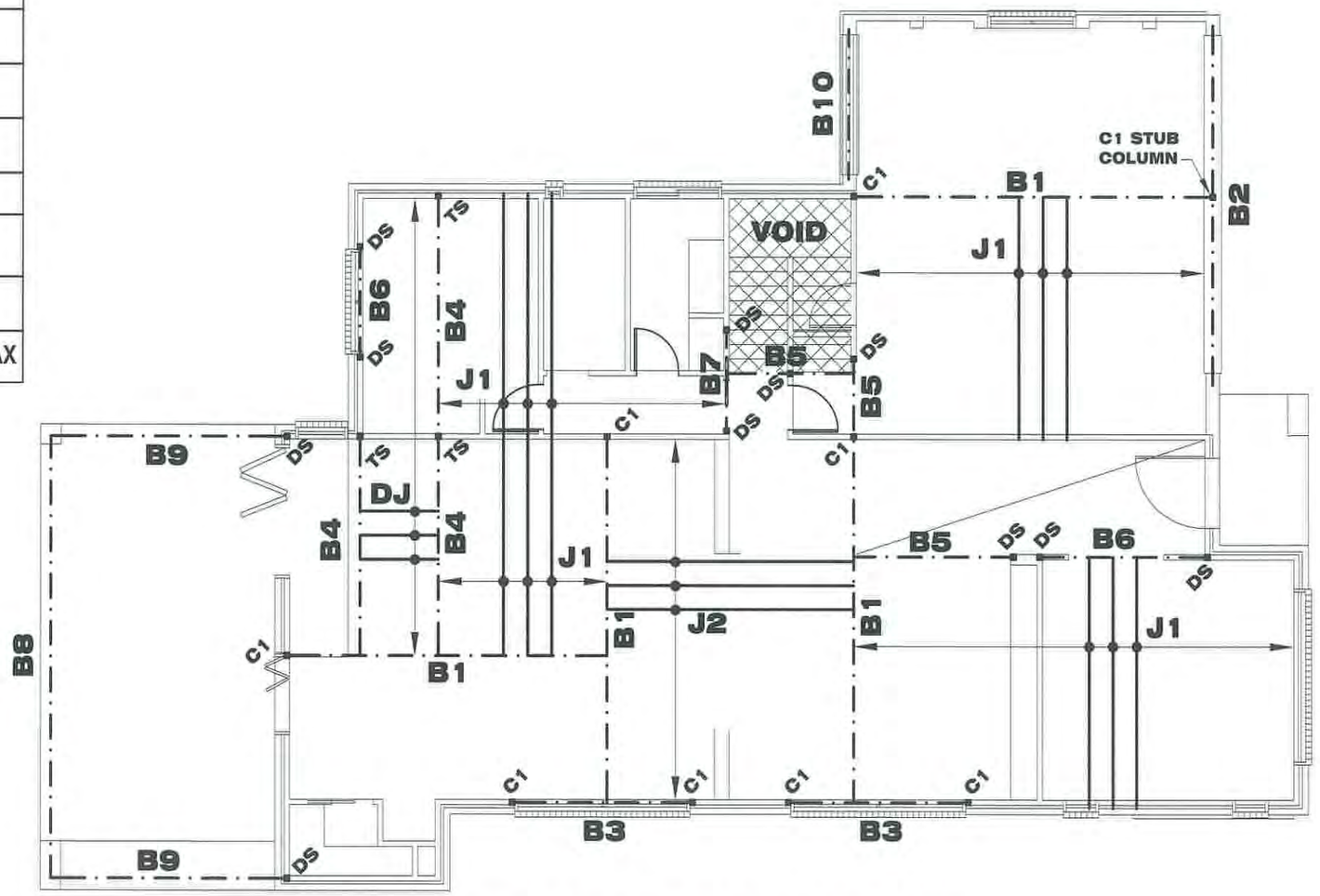


BEAM B6
200 UB 18.2
SCALE 1:10

BEAM B8
250 PFC
SCALE 1:10



BEAM B10
150X200X10
T section
SCALE 1:10



JOIST & BEAM LAYOUT
SCALE = 1 : 100

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PROJECT
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TITLE
JOIST & BEAM LAYOUT

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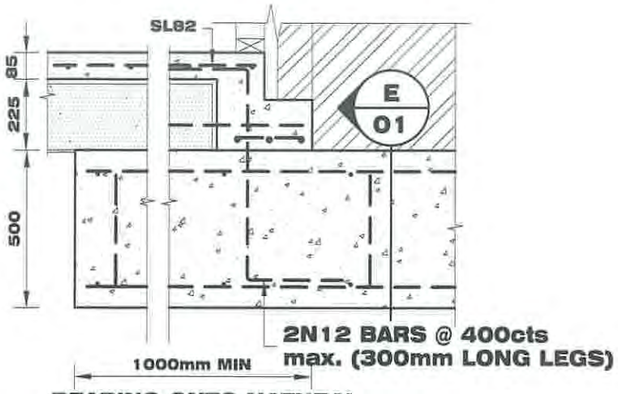
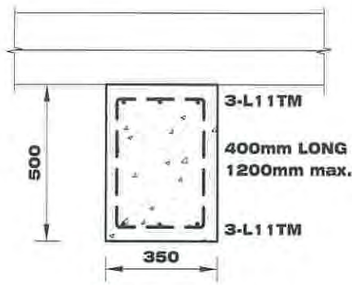


BEARING ONTO NATURAL
STRATA OR PIERS(SEE NOTES)

CF1
TYPICAL CANTILEVED FOOTING
SCALE = 1:20



CF1
SECTION E
SCALE = 1:20

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BUILDING APPROVAL
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N/A
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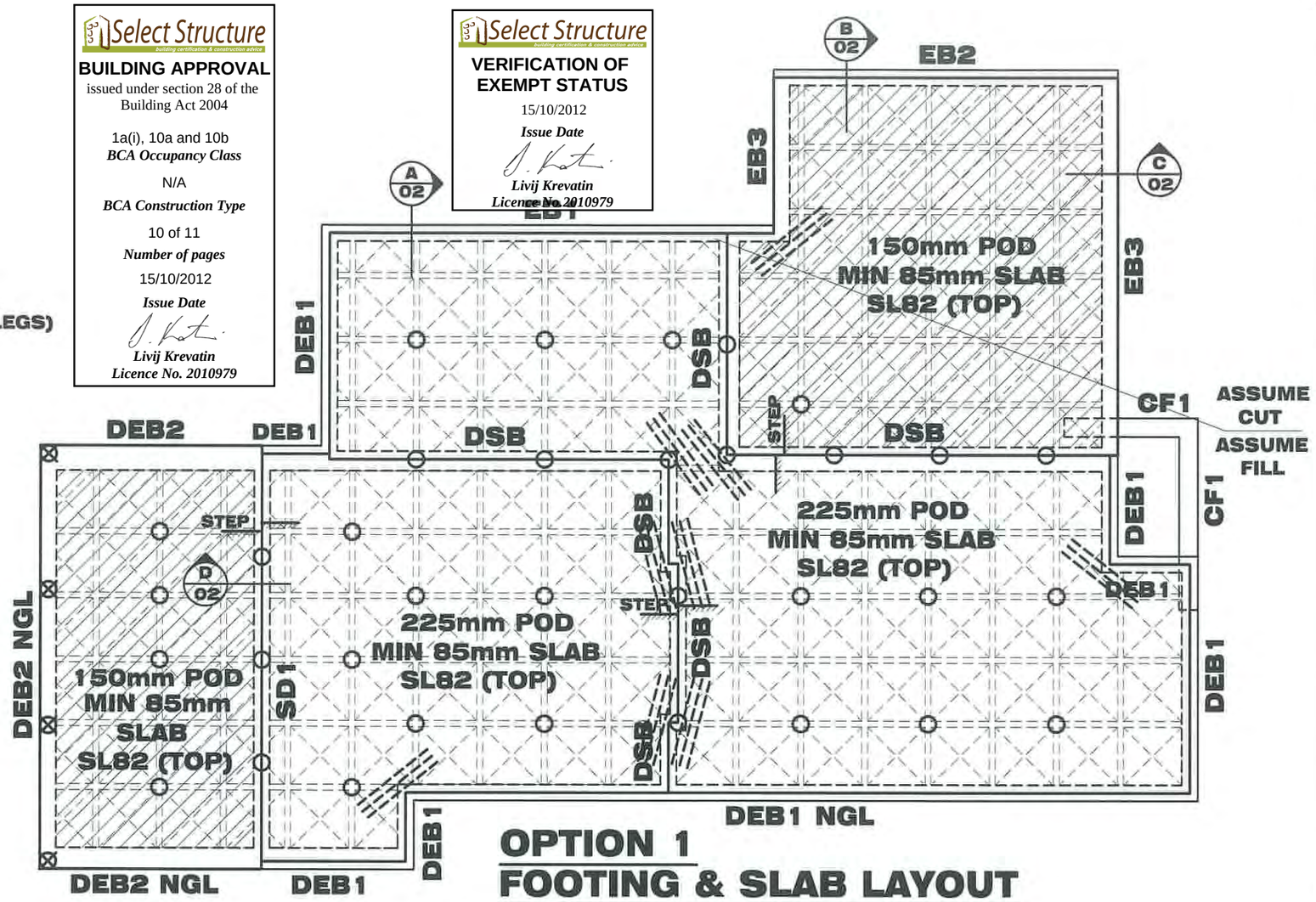

# OPTION 1
# FOOTING & SLAB LAYOUT
SCALE = 1 : 100

NOTE: PLEASE SEE S02 FOR FOOTING DETAILS

WAFFLE SLAB PLAN
"M" CLASS

LEGEND

- 1 STANDARD 1090X1090 POD
- 3N12 OR 3L11TM, 2000mm LONG, TIED TO UNDERSIDE OF SLAB MESH
- 300mm DIA CONCRETE PIERS TO MIN 500mm INTO NATURAL GROUND
- Ø300mm CONCRETE PIERS TO INVERT LEVEL OF EASEMENT OR TO ROCK
- DENOTES STARTING POINT FOR POD LAYOUT.

NOTES

ALL WORK CARRIED OUT, AND MATERIALS USED IN RELATION TO THIS WAFFLE SLAB DESIGN IS TO BE IN ACCORDANCE WITH CURRENT AUSTRALIAN STANDARDS.

ALL VEGETATION AND TOP SOIL IS TO BE REMOVED WITHIN BUILDING ENVELOPE. BEARING STRATA TO BE UNIFORM THROUGHOUT BUILDING PLATFORM AND IS TO BE ROLLED AND PREPARED IN ACCORDANCE WITH A.S 3798.

ALL FOOTINGS ARE TO BE FOUNDED ON NATURAL GROUND AND ALL BRICK WORK & DRAINAGE IS TO BE ARTICULATED TO COMPLY WITH THE CURRENT B.C.A.

BUILDER IS TO ISSUE CSIRO REPORT TO HOME OWNER GUIDE TO HOMEOWNERS ON FOUNDATION MAINTENANCE AND FOOTING PERFORMANCE.

NOTE: ALL EDGE FOOTINGS SIT ON NATURAL GROUND, OTHERWISE PUT PIERS UNDER FOOTING @ 2200mm CTS MAX

NOTE: THE LONG TERM SITE MANAGEMENT & MAINTENANCE OF THIS PROPERTY MUST BE IN ACCORDENCE WITH APPENDIX B OF AS2870-2011. THIS MAINTENANCE IS THE RESPONSIBILITY OF THE HOME OWNER (REFER TO CSRIO BROCHURE - FOUNDATION MAINTENANCE & FOOTING PERFORMANCE: A HOMEOWNER'S GUIDE)

NOTE: BUILDER TO CONFIRM SEWER DOES NOT AFFECT DWELLING BEFORE COMMENCING WORK ONSITE. CONTACT THIS OFFICE IF OTHERWISE

NOTE: BUILDER TO CONFIRM EASEMENT DOES NOT AFFECT DWELLING BEFORE COMMENCING WORK ONSITE. CONTACT THIS OFFICE IF OTHERWISE

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BLOCK 2 SECTION 160
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TITLE
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FOOTING & SLAB LAYOUT

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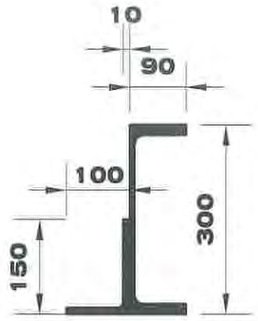
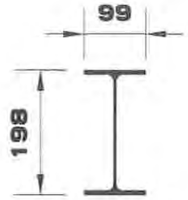
B4	3X300X45 LVL @ JOIST LEVEL	
B5	300X45 LVL @ JOIST LEVEL	
B6	2X200X45 LVL	–
B7	2X150X45 LVL	–
B8	250 PFC	–
B9	2X240X45 LVL	–
B10	150X200X10	T- SECTION
C1	89X89X5 SHS	–
DS	2/90x45	DOUBLE STUD
TS	3/90x45	TRIPLE STUD
J1&J2	JOIST TO MANUFAC. SPEC.	
DJ	140X45 TREATED PINE @ 450mm CTS MAX	

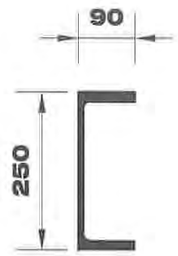
BEAM B1
310 UB 40.4
SCALE 1:10



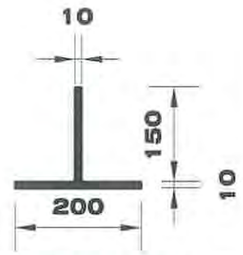
BEAM B2
300 PFC + 150X100X10 UA
SCALE 1:10



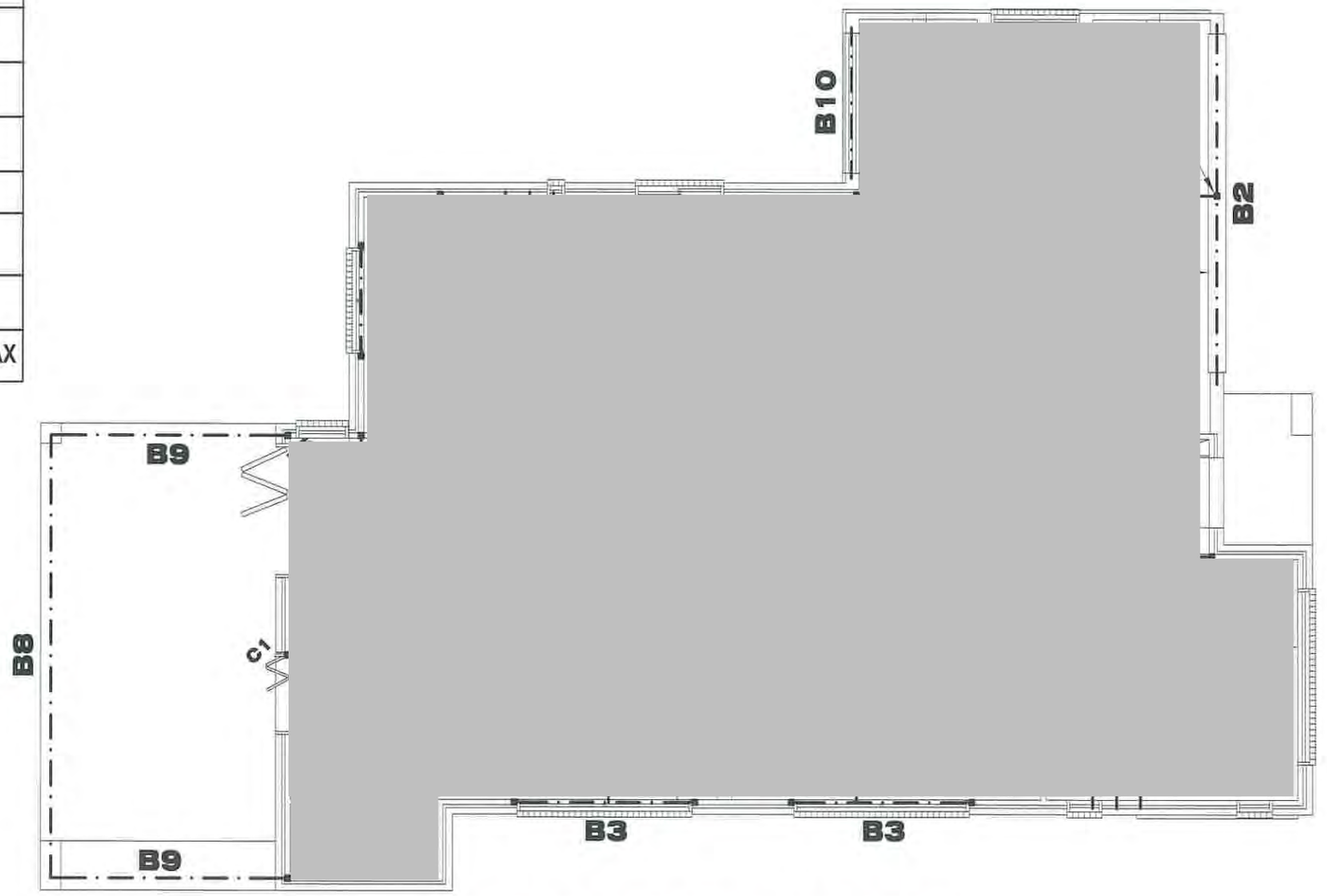
BEAM B6
200 UB 18.2
SCALE 1:10



BEAM B8
250 PFC
SCALE 1:10



BEAM B10
150X200X10
T section
SCALE 1:10



JOIST & BEAM LAYOUT
SCALE = 1 : 100

Select Structure
building certification & construction advice

BUILDING APPROVAL
issued under section 28 of the Building Act 2004

1a(i), 10a and 10b
BCA Occupancy Class

N/A
BCA Construction Type

11 of 11
Number of pages

15/10/2012
Issue Date

Livij Krevatin
Licence No. 2010979

Select Structure
building certification & construction advice

VERIFICATION OF EXEMPT STATUS

15/10/2012
Issue Date

Livij Krevatin
Licence No.2010979

STEELWORK NOTES
ALL STRUCTURAL STEELWORK IS TO BE IN ACCORDANCE WITH THE CURRENT A.S. CODES.
ALL CIRCULAR PIPES, SQUARE HOLLOW SECTIONS, RECTANGULAR HOLLOW SECTIONS TO BE GRADE 350.
ALL REMAINING STRUCTURAL STEEL TO BE GRADE 300 EXCEPT PLATES TO BE GRADE 250 U.N.O.
ALL WELDS (UNLESS OTHERWISE NOTED) TO BE 6MM CONTINUOUS FILLET.
ALL BUTT WELDS TO BE FULL SIZE OF CONNECTING PARTS.
ALL STRUCTURAL STEELWORK IS TO BE GIVEN ONE COAT OF ZINC CHROMATE PRIMER BEFORE LEAVING THE WORKSHOP. (IF NOT CONCRETE ENCASED).
REMOVE ALL MILL SCALE, RUST AND GREASE BEFORE PAINTING.
ALL CONCRETE ENCASED STEELWORK IS TO BE WRAPPED WITH 3.2MM GAUGE WIRE AT 100MM CENTRES OR EQUIVALENT AND IS TO HAVE A MIN. 50MM COVER ALL AROUND.
CEMENT WASH ALL CONCRETE ENCASED STEELWORK.
WHERE BRICK WALLS ABUT OR PASS STANCHIONS WELD OR POWER FASTEN BRICK TIES TO STANCHIONS EVERY 6 BRICK COARSES.

CONCRETE NOTES
TYPE A CEMENT TO BE USED IN ALL CONCRETE.
ALL CONCRETE WORK TO BE IN ACCORDANCE WITH THE CURRENT A.S. CODES.
CONCRETE FC TO BE 20 MPa FOR PIERS, STRIP FOOTINGS AND SLABS ON GROUND, 25MPa FOR REMAINDER U.N.O.
CONCRETE FILLING TO WALLS TO BE 20MPa WITH 10MM AGGREGATE AND 80MM SLUMP.
'R' REFERS TO PLAIN ROUND STRUCTURAL GRADE BARS WITH FSY = 230MPa.
'N' REFERS TO 500PLUS GRADE REINFORCING BARS WITH FSY = 500MPa.
'FABRIC' REFERS TO ONEMESH HIGH TENSILE WELDED WIRE MESH WITH FSY = 500MPa.
LAP ALL FABRIC TO MANUFACTURER'S SPECIFICATIONS.
STAGGER LAPS IN FABRIC TO PREVENT FOUR THICKNESS OF FABRIC OCCURING IN EITHER TOP OR BOTTOM REINFORCEMENT.
CONCRETE COVER TO MAIN REINFORCEMENT TO BE:-
STRIP FOOTINGS AND FOOTING BEAMS; BTM-65MM
TOP AND SIDES-50MM, COLUMNS; ALL AROUND 50MM.
CONCRETE BEAMS; ALL ROUND 40MM
SLABS ON COMPACTED FILL; TOP-25MM.
ALL INTERNAL SUSPENDED SLABS AND STAIRS; TOP AND BOTTOM - 20MM (EXPOSURE CLASSIFICATION A1).
ALL EXTERNAL SUSPENDED SLABS AND STAIRS; TOP AND BOTTOM - 30MM (EXPOSURE CLASSIFICATION A2).
SLAB THICKNESS DOES NOT INCLUDE FLOOR FINISH.
ALL CONCRETE TO BE PLACED USING VIBRATORS.
BRICKWORK SUPPORTING SLABS TO HAVE A DAMP PROOF MEMBRANE BETWEEN THE BRICKWORK AND THE CONCRETE.
WHERE CONCRETE SLABS ABUT BRICK WALLS PLACE 10MM BITUMINOUS CANEITE BETWEEN THE TWO SURFACES. 40MM MAX COMPACTED FILL UNDER SLABS. TO AS.2870 WHERE FILL EXCEEDS 400MM IN DEPTH SEEK ENGINEERING ADVICE FOR PIERS AND SLAB REINFORCEMENT DETAILS.

ISSUE	DESCRIPTION	DATE	CHECKED

PIERRE DRAGH
CONSULTING ENGINEERS
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PO BOX 336
HALL ACT 2618
Ph: 0438 625 440

CLIENT

PROJECT
PROPOSED RESIDENCE BLOCK 2 SECTION 160 HARRISON

TITLE
JOIST & BEAM LAYOUT

DESIGNED BY KZ	SCALE AS SHOWN @ A3
DRAWN BY AFZAL	JOB NO.
AUTHORISED	DRAWING NO. S03 OF 03
21-09-2012	