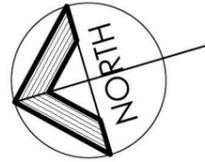


NOTE:

FINAL LOCATION & SHAPE OF ALL LANDSCAPING WORKS, INCLUDING DRIVEWAY, IS TO BE DETERMINED ON SITE AT THE DIRECTION OF THE BUILDER.

FINAL RIDGE AND FLOOR LEVELS ARE ACCEPTED TO VARY BY ±100mm FROM THE APPROVED DOCUMENTS, ALL DUE TO CONDITIONS ENCOUNTERED ON SITE DURING BUILDING WORKS.

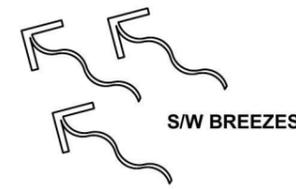
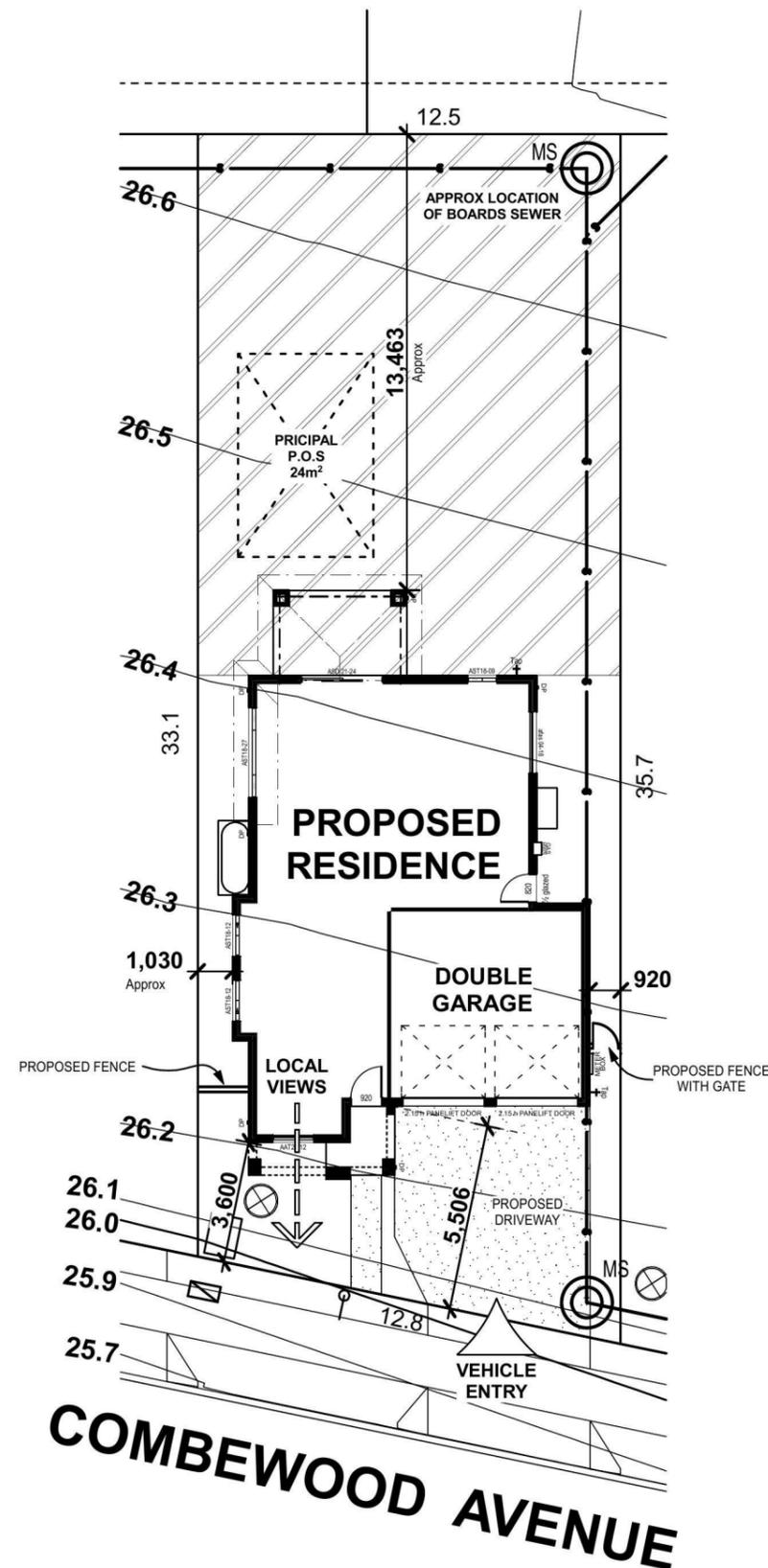
NOTE:
FINAL SITING AND LEVELS OF PROPOSED RESIDENCE, TO BE CONFIRMED UPON RECEIPT OF CONTOUR SURVEY PREPARED BY BUILDER'S SURVEYOR



NORTH
LOT 2202
430.40m²

NORTH PENRITH " THORTON" REQUIREMENTS:

SITE AREA:	430.40m ²
PRIVATE OPEN SPACE:	REQUIRED: 20% or 86.08m ² ACHIEVED: 46% or 199.79m ²
LANDSCAPE AREA:	ACHIEVED: 52% or 222.36m ²
CARPARKING:	REQUIRED: 2 SPACES ACHIEVED: 2 SPACES



Proposed Site Analysis Plan
SCALE 1:200

Figured dimensions to be used in preference to scaling this drawing.
Do not assume - if in doubt ASK.

SITE & SLAB CLASSIFICATION
IS TO BE CONFIRMED
Wind Speed category is **TO BE CONFIRMED**

SLAB SETDOWNS FROM ENTRY:	
EDGE REBATES	172mm x 150mm WIDE
GARAGE	170 mm FROM F.F.L.
FRONT PORCH/VERANDAH	170 mm FROM F.F.L.
BALCONY	130 mm FROM F.F.L.



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Revision	Date	Amendment
B	03.06.14	FLOOR LEVELS ADDED / DA PLANS - MT
A	31.03.14	CONTRACT DRAWINGS - MT

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Proposed Residence
at Lot : 2202
Combewood Avenue,
Penrith (Thornton)

Energy Rating Certificate Number **15430309**

single-dwelling rating **4.5** stars

multi-unit development (attach listing of ratings)
If selected, data specified is the average across the entire development

heating **68.9** MJ/m²
cooling **46.1** MJ/m²

Recessed downlights confirmation: Rated with Rated without

Assessor Name/Number Luis Contigiani BDAV/13/1543
Assessor Signature *[Signature]* Date **06-05-2014**

ALL GLAZING TO BE NFRC VALUE OF U_w = 0.55 OR LESS AND SHGC_w = 0.70 + / - 10 %
SARKING TO ALL ROOF
R 3.5 INSULATION TO ALL CEILING
R 1.5 BATTS TO ALL EXT. WALLS
R 1.5 BATTS TO ALL INTERNAL GARAGE WALLS

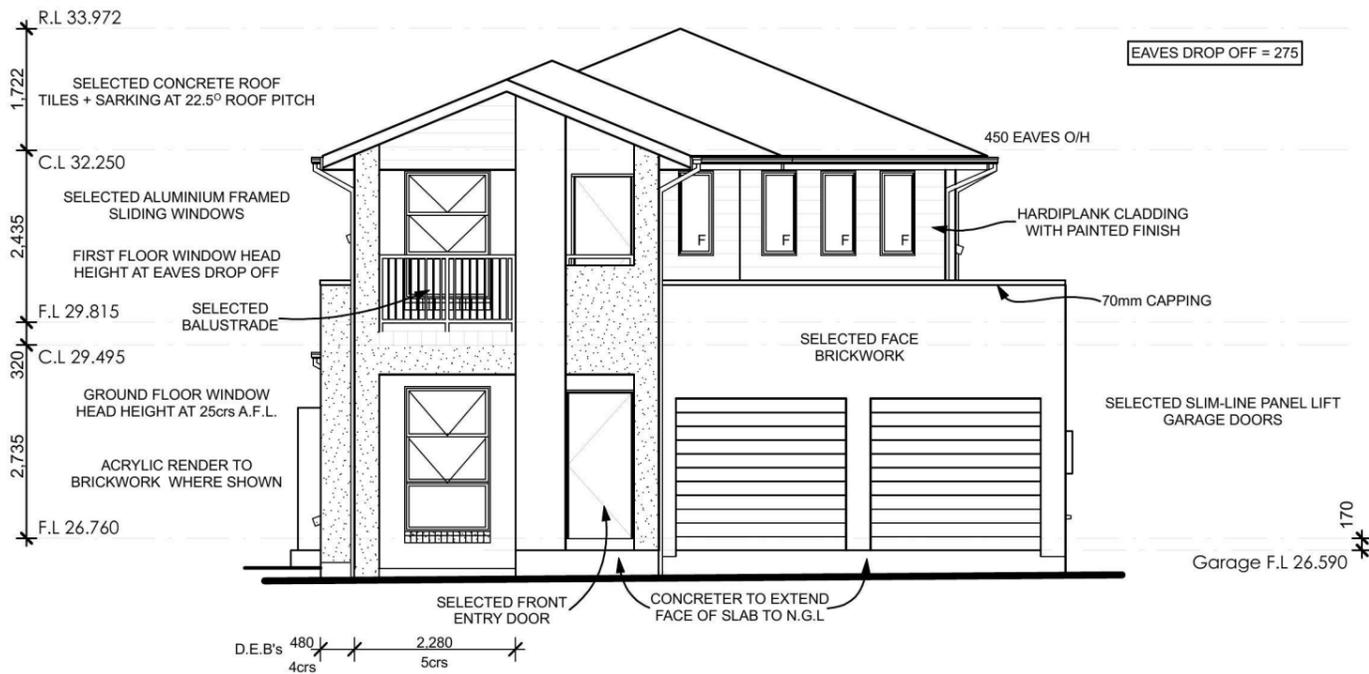
Plot Date
Wed 11 Jun 2014

Client :
Champion Homes

Sheet Size: A3 Date: 31.03.14 Drawn: MT

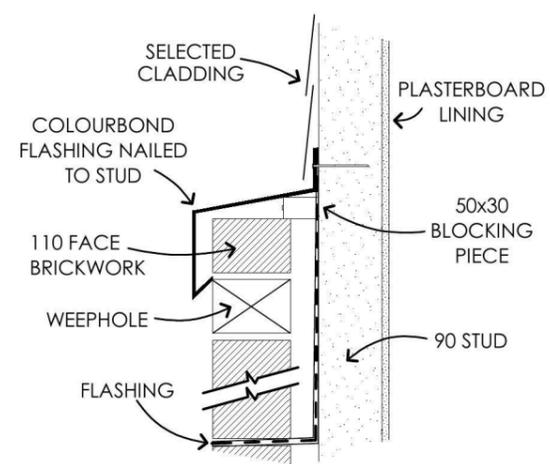
Design :
Custom Design

Job No. **3155N** Sheet 2 of 11

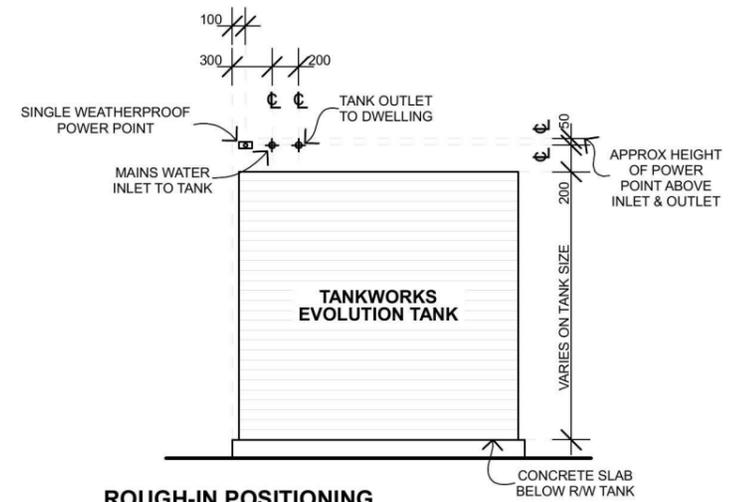


Western Elevation

SCALE 1:100



DETAIL 1



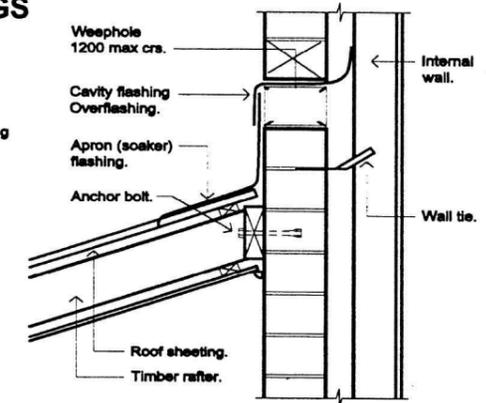
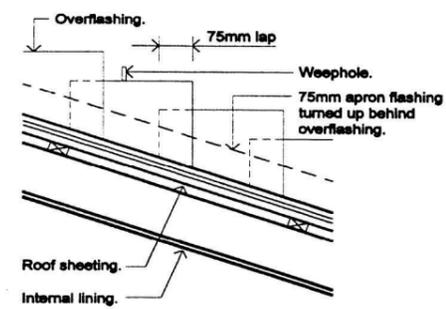
ROUGH-IN POSITIONING "EVOLUTION SERIES 2 TANKS"



Eastern Elevation

SCALE 1:100

STEPPED CAVITY FLASHINGS



	Energy Rating	Certificate Number 15430309
<input checked="" type="checkbox"/> single-dwelling rating		4.5 stars
<input type="checkbox"/> multi-unit development (attach listing of ratings)	heating	68.9 MJ/m ²
	cooling	46.1 MJ/m ²
Recessed downlights confirmation: <input checked="" type="checkbox"/> Rated with <input type="checkbox"/> Rated without		
Assessor Name/Number Luis Contigiani BDAV/13/1543		
Assessor Signature Date 06-05-2014		

ALL GLAZING TO BE NFRC VALUE OF UW = 6.66 OR LESS AND SHGC = 0.70 +/- 10% SARKING TO ALL ROOF R 3.5 INSULATION TO ALL CEILING R 1.5 BATTES TO ALL EXT. WALLS R 1.5 BATTES TO ALL INTERNAL GARAGE WALLS

PROTECTION OF OPENABLE WINDOWS AS PER B.C.A CONDITION 3.9.2.5

A WINDOW OPENING MUST BE PROVIDED WITH PROTECTION IF THE FLOOR BELOW THE WINDOW IN A BEDROOM IS 2m OR MORE ABOVE THE SURFACE BENEATH. WHERE THE LOWEST LEVEL OF A WINDOW OPENING IS LESS THAN 1.7m ABOVE THE FLOOR, A KEYED LOCK MUST BE FITTED SO AS TO RESTRICT THE WINDOW OPENING TO A MAX 125mm

Figured dimensions to be used in preference to scaling this drawing. Do not assume - if in doubt ASK.

SITE & SLAB CLASSIFICATION IS TO BE CONFIRMED
Wind Speed category is **TO BE CONFIRMED**

SLAB SETDOWNS FROM ENTRY:	
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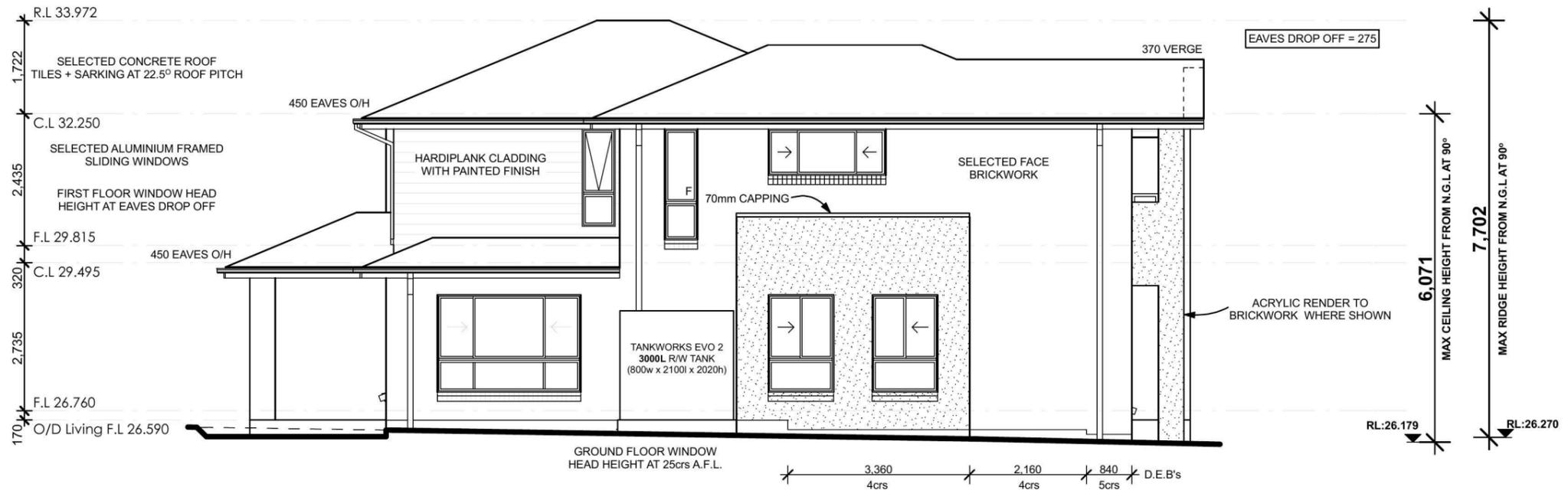
Revision	Date	Amendment
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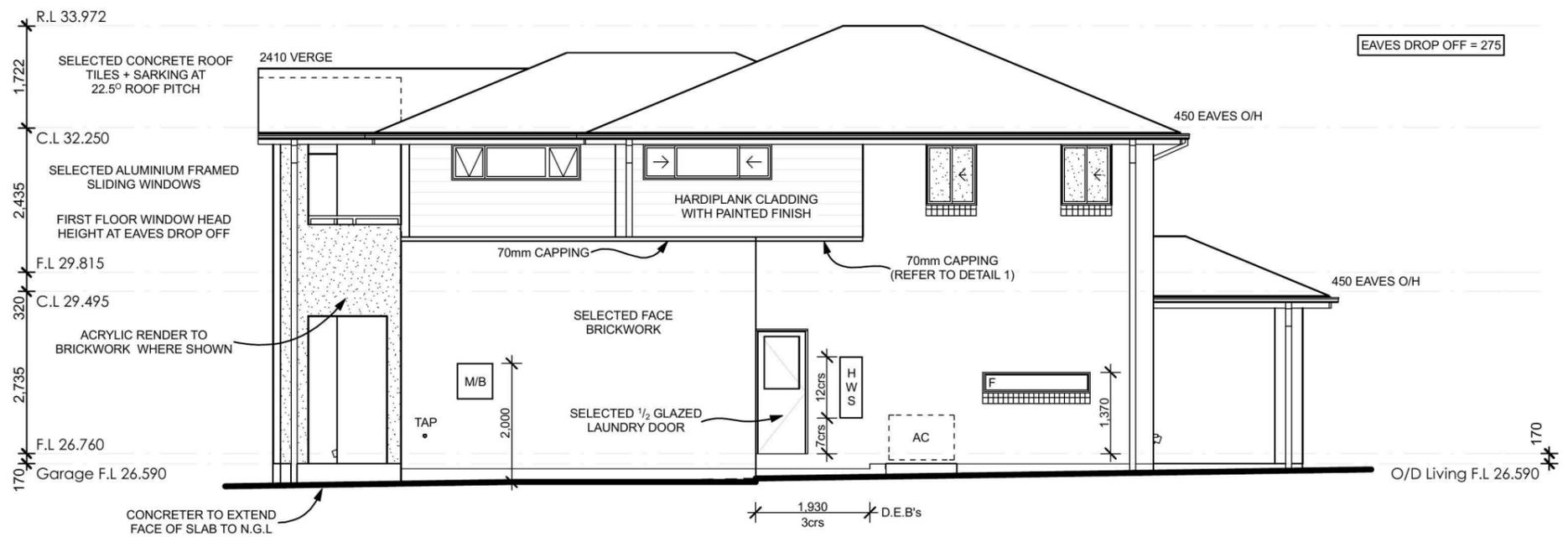
Proposed Residence
at Lot: 2202
Combewood Avenue,
Penrith (Thornton)

Plot Date
Wed 11 Jun 2014

Client:
Champion Homes
Sheet Size: A3 Date: 31.03.14 Drawn: MT
Design:
Custom Design
Job No. **3155N** Sheet 8 of 11



Northern Elevation
SCALE 1:100



Southern Elevation
SCALE 1:100

Energy Rating Certificate Number **15430309**

single-dwelling rating **4.5** stars

multi-unit development (attach listing of ratings) heating **68.9** MJ/m²

cooling **46.1** MJ/m²

Recessed downlights confirmation: Rated with Rated without

Assessor Name/Number **Luis Contigiani BDAV/13/1543**

Assessor Signature *[Signature]* Date **06-05-2014**

ALL GLAZING TO BE NFRC VALUE OF U/W = 6.50 OR LESS AND SHG/W = 0.70 +/- 10% SARKING TO ALL ROOF R 3.5 INSULATION TO ALL CEILING R 1.5 BATTS TO ALL INTERNAL GARAGE WALLS R 1.5 BATTS TO ALL EXT. WALLS

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BALCONY	130 mm FROM F.F.L.

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Simply the Best

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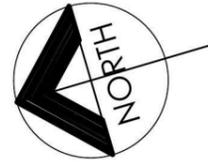
Design:
Custom Design

Job No. **3155N** Sheet **9 of 11**

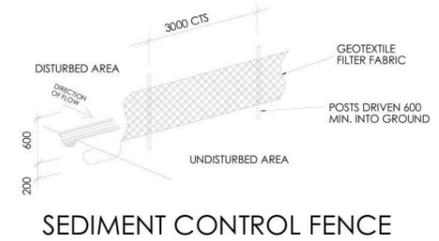
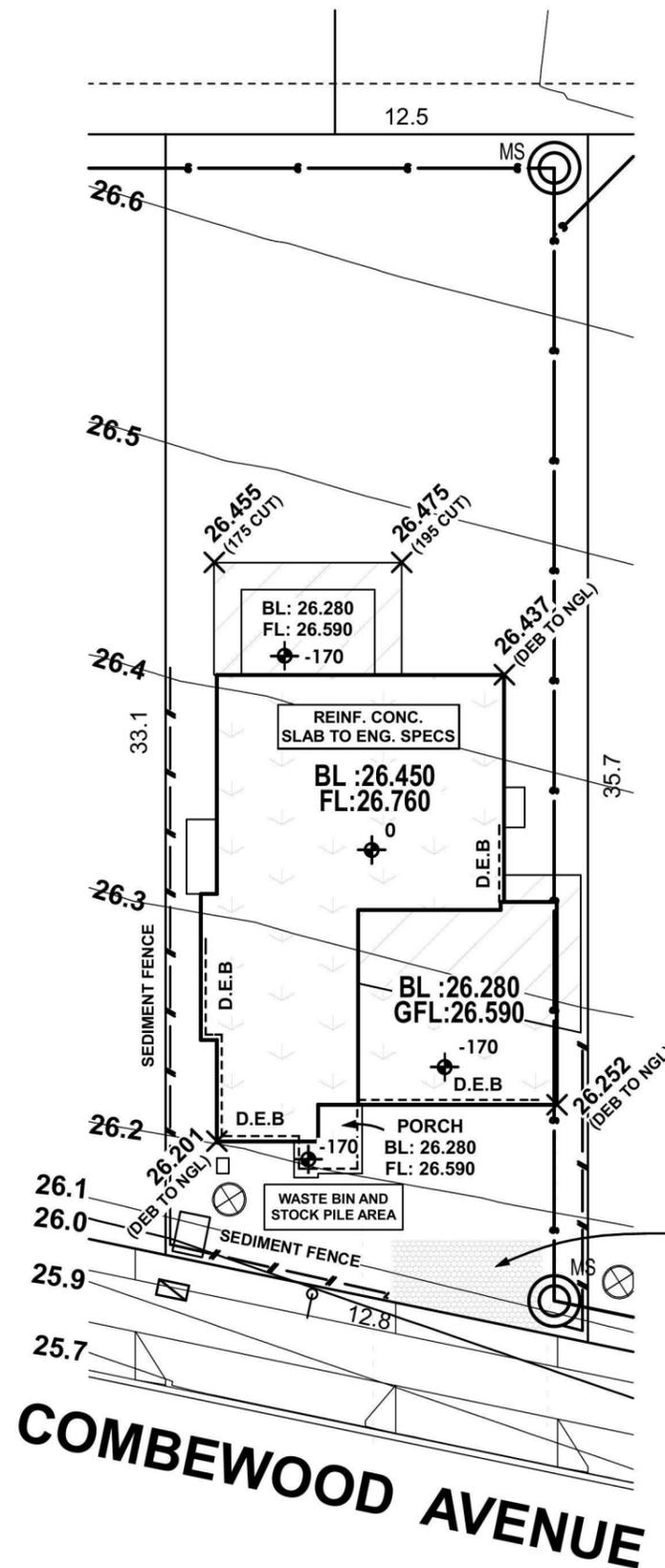
Erosion & Sediment Control Plan

SCALE 1:200

NOTE:
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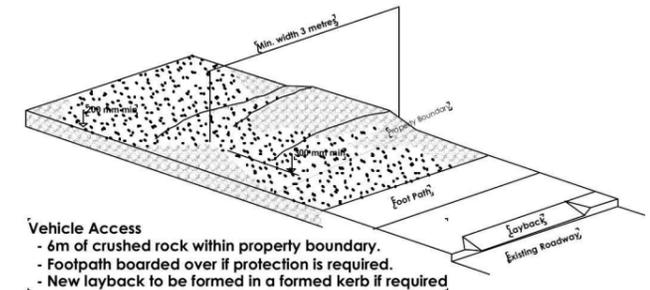


NORTH
LOT 2202
430.40m²



SITE PLAN

ALL SITEWORKS INDICATED ARE ILLUSTRATIVE ONLY. FINAL BENCH LEVEL (BL) MAY BE SUBJECT TO ADJUSTMENT. SUCH ADJUSTMENTS, WHILE COMPLYING WITH COUNCIL REQUIREMENTS REMAIN AT THE DISCRETION OF THE BUILDER.



Vehicle Access
- 6m of crushed rock within property boundary.
- Footpath boarded over if protection is required.
- New layback to be formed in a formed kerb if required.

	Energy Rating	Certificate Number	15430309
<input checked="" type="checkbox"/>	single-dwelling rating		4.5 stars
<input type="checkbox"/>	multi-unit development (attach listing of ratings)	heating	68.9 MJ/m ²
	<small>If selected, data specified is the average across the entire development</small>	cooling	46.1 MJ/m ²
Recessed downlights confirmation:		<input checked="" type="checkbox"/> Rated with	<input type="checkbox"/> Rated without
Assessor Name/Number		Luis Contigiani	BDAV/13/1543
Assessor Signature			Date 06-05-2014

ALL GLAZING TO BE NFRC VALUE OF U_w = 0.55 OR LESS AND SHGC_w = 0.70 +/- 10% SARKING TO ALL ROOF R 3.5 INSULATION TO ALL CEILING R 1.5 BATTs TO ALL INT. WALLS R 1.5 BATTs TO ALL EXT. WALLS

Plot Date
Wed 11 Jun 2014

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BALCONY	130 mm FROM F.F.L.



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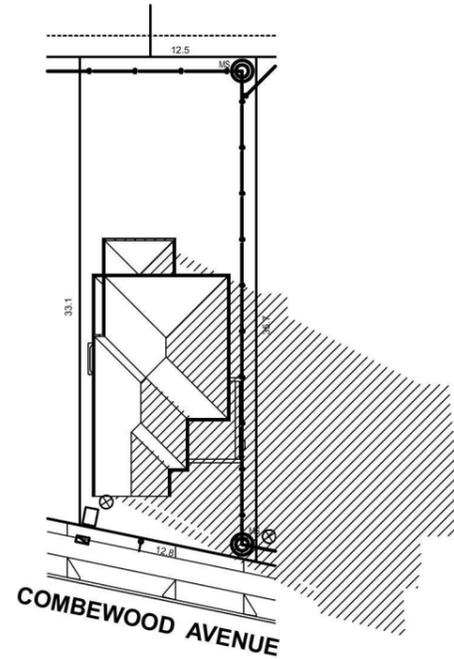
Client:
Champion Homes
Sheet Size: A3 Date: 31.03.14 Drawn: MT
Design:
Custom Design
Job No. **3155N** Sheet 3 of 11

Shadow Diagrams

NOTE:
FINAL SITING AND LEVELS OF
PROPOSED RESIDENCE, TO BE
CONFIRMED UPON RECEIPT OF
CONTOUR SURVEY PREPARED
BY BUILDER'S SURVEYOR



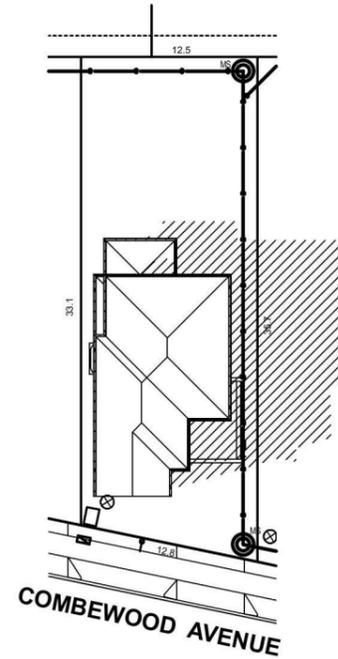
NORTH
LOT 2202
430.40m²



NOTE:
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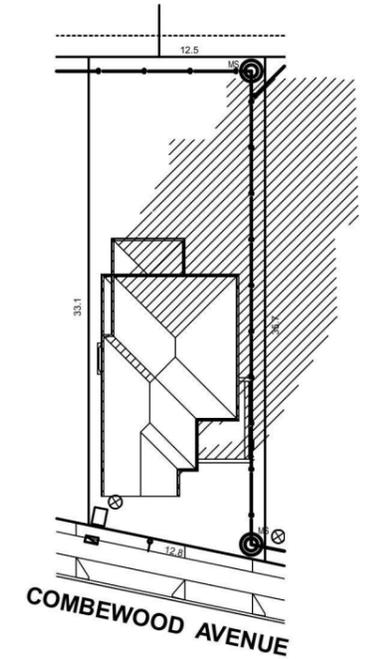
NORTH
LOT 2202
430.40m²



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BY BUILDER'S SURVEYOR



NORTH
LOT 2202
430.40m²



June 21st - 9am

SCALE 1:500

June 21st - 12noon

SCALE 1:500

June 21st - 3pm

SCALE 1:500

Energy Rating		Certificate Number 15430309
<input checked="" type="checkbox"/> single-dwelling rating		4.5 stars
<input type="checkbox"/> multi-unit development (attach listing of ratings) <small>If selected, data specified is the average across the entire development</small>	heating 68.9 MJ/m ²	cooling 46.1 MJ/m ²
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Assessor Name/Number	Luis Contigiani	BDAV/13/1543
Assessor Signature		Date 06-05-2014

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Plot Date
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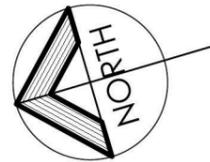
Client :
Champion Homes
Sheet Size: A3 Date: 31.03.14 Drawn: MT
Design :
Custom Design
Job No. **3155N** Sheet 4 of 11

NOTE:

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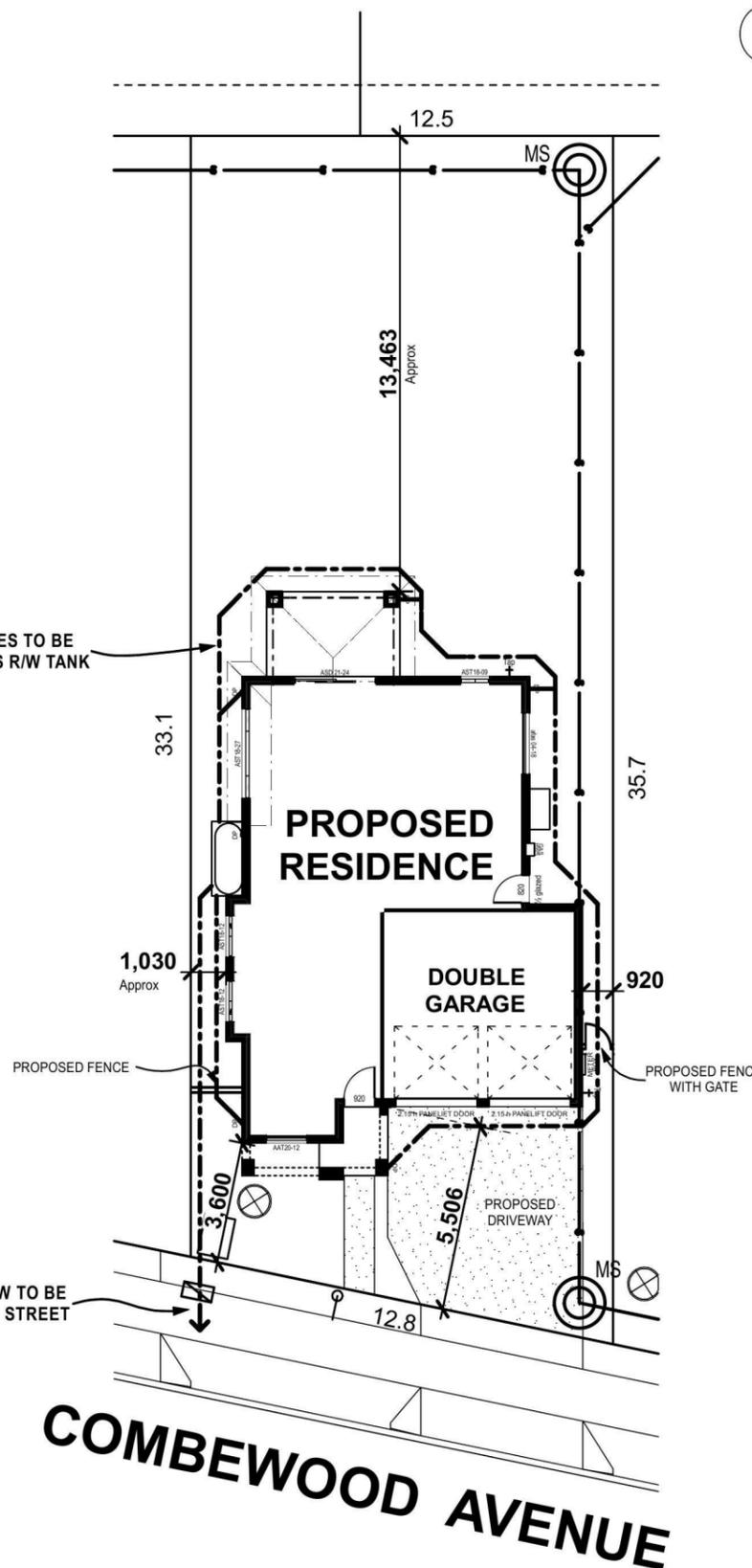
NORTH
LOT 2202
430.40m²

SUPPLEMENTARY B.C.A ENERGY EFFICIENCY CLAUSES FOR NatHERS / BASIX ASSESSMENTS

3.12.1.1	Building fabric thermal insulation	Any Insulation installation required by plans must be fitted in alignment with this clause.
3.12.1.2 (e)		Recompense for any reduced ceiling insulation is required to comply with this clause (any downlights installed must be non - ventilated). Recompense for loss of any ceiling insulation is not necessary when suitable approved non - ventilated down light covers are supplied, as these provide continuous flow of insulation.
3.12.3.3	External Windows & Doors	The sealing of any windows or doors must be in conformity with this clause.
3.12.3.4	Exhaust Fans	Refer to Current B.C.A for Detailed specification
3.12.3.5	Construction of Roofs, Walls & Floors	The sealing of roofs , walls and / or floors must align with this clause.
3.12.5.0	Acceptable Construction Manuals	Installation of any hot water systems must abide by this clause.
3.12.5.1	Insulation of Services	Installation of any services must observe requirements of this clause.
3.12.5.3	Heating & Cooling Ductwork	Ductwork insulation to cooling & heating systems must abide by this clause.

STORMWATER LINES TO BE DIRECTED TOWARDS R/W TANK

R/W TANK OVERFLOW TO BE DIRECTED TOWARDS STREET



Proposed Site & Drainage Plan

SCALE 1:200

COMBEWOOD AVENUE

Energy Rating Certificate Number **15430309**

single-dwelling rating **4.5** stars

multi-unit development (attach listing of ratings)

heating **68.9** MJ/m²

cooling **46.1** MJ/m²

Recessed downlights confirmation: Rated with Rated without

Assessor Name/Number **Luis Contigiani BDAV/13/1543**

Assessor Signature *[Signature]* Date **06-05-2014**

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Plot Date
Wed 11 Jun 2014

Figured dimensions to be used in preference to scaling this drawing.
Do not assume - if in doubt ASK.

SITE & SLAB CLASSIFICATION IS TO BE CONFIRMED
Wind Speed category is **TO BE CONFIRMED**

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EDGE REBATES	172mm x 150mm WIDE
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BALCONY	130 mm FROM F.F.L.



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Proposed Residence
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Combewood Avenue,
Penrith (Thornton)

Client :
Champion Homes

Sheet Size: A3 Date: 31.03.14 Drawn: MT

Design :
Custom Design

Job No. **3155N** Sheet 1 of 11

Lot 2202 Combwood

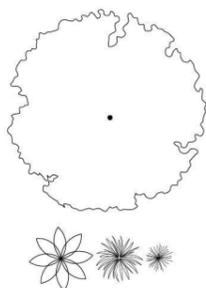
PLANT SCHEDULE Prepared by ecodeign Pty Ltd

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	POT SIZE	MATURE SIZE
Aw	Agapanthus 'White'	White Agapanthus	13	200mm	0.5m
Dg	Dietes grandiflora	Wild Iris	3	200mm	1m
Gfs	Gardenia 'Four Seasons'	Four Seasons Gardenia	7	200mm	1m
Li	Lagerstroemia indica 'Natchez'	White Crepe Myrtle	1	75L	8m
Ndb	Nandina domestica 'Blush'	Dwarf Sacred Bamboo	21	200mm	0.6m
Vo	Viburnum odoratissimum	Sweet Viburnum	8	300mm	2.5m
Vh	Viola hederacea	Native Violet	8	150mm	0.1m

LOT PLANTING SUMMARY

Total Plants	Total Fence Hedging	Street Planting	Other Shrubs/ground-covers	Total Trees
61	8	13	40	2

Minimum of 1 tree and 20 shrubs / groundcovers to each front / side yard (excluding fence hedging)



LEGEND

Proposed trees - refer to plant schedule

Proposed accents & grasses - refer to plant schedule



Proposed shrubs - refer to plant schedule



Proposed groundcovers and grasses - refer to plant schedule



Existing levels

+RL 101.55

Proposed levels

+TOW 101.55

Proposed Top Of Wall levels



Boundary



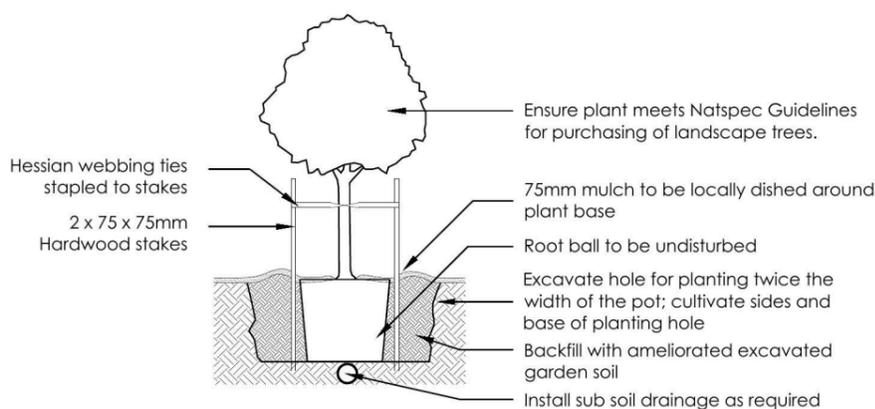
Garden edging



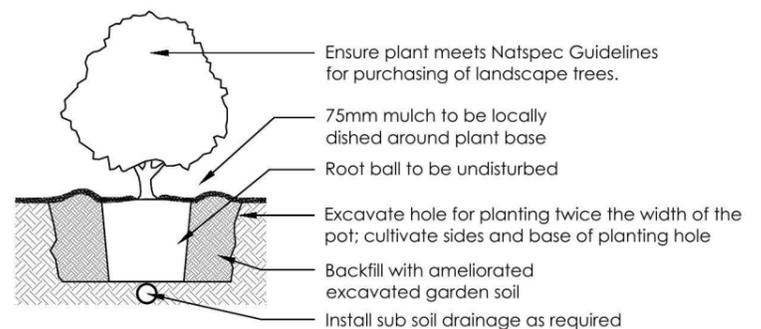
Masonry retaining walls



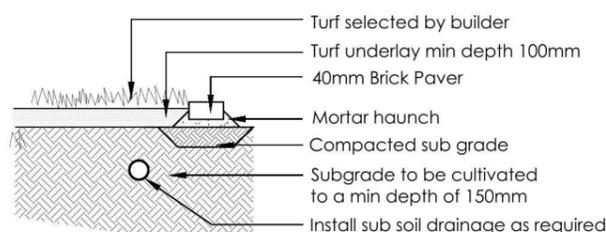
Existing contours



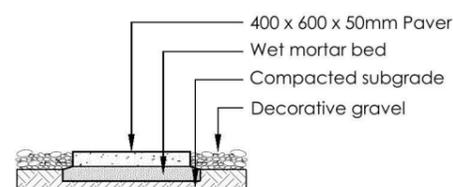
1 Tree Planting Detail
NTS 25L - 100L Pot Size



2 Planting Detail
NTS 150mm, 200mm Pot Size



3 Turf Detail
NTS Brick Paver Edge



4 Stepping stones in gravel
NTS Low traffic zone

REVISION	DESCRIPTION	DRAWN	CHECK	DATE
A	ISSUE COLOUR PLAN FOR CLIENT REVIEW	RS	BT	02-05-14
B	AMEND TO BUILDERS MARK-UP	RS	RS	02-05-14

ecodeign
outdoor living environments

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Ph: (02) 9480 7712 Fax: (02) 9480 7705
Email: info@ecodeign.com.au
Web: www.ecodeign.com.au
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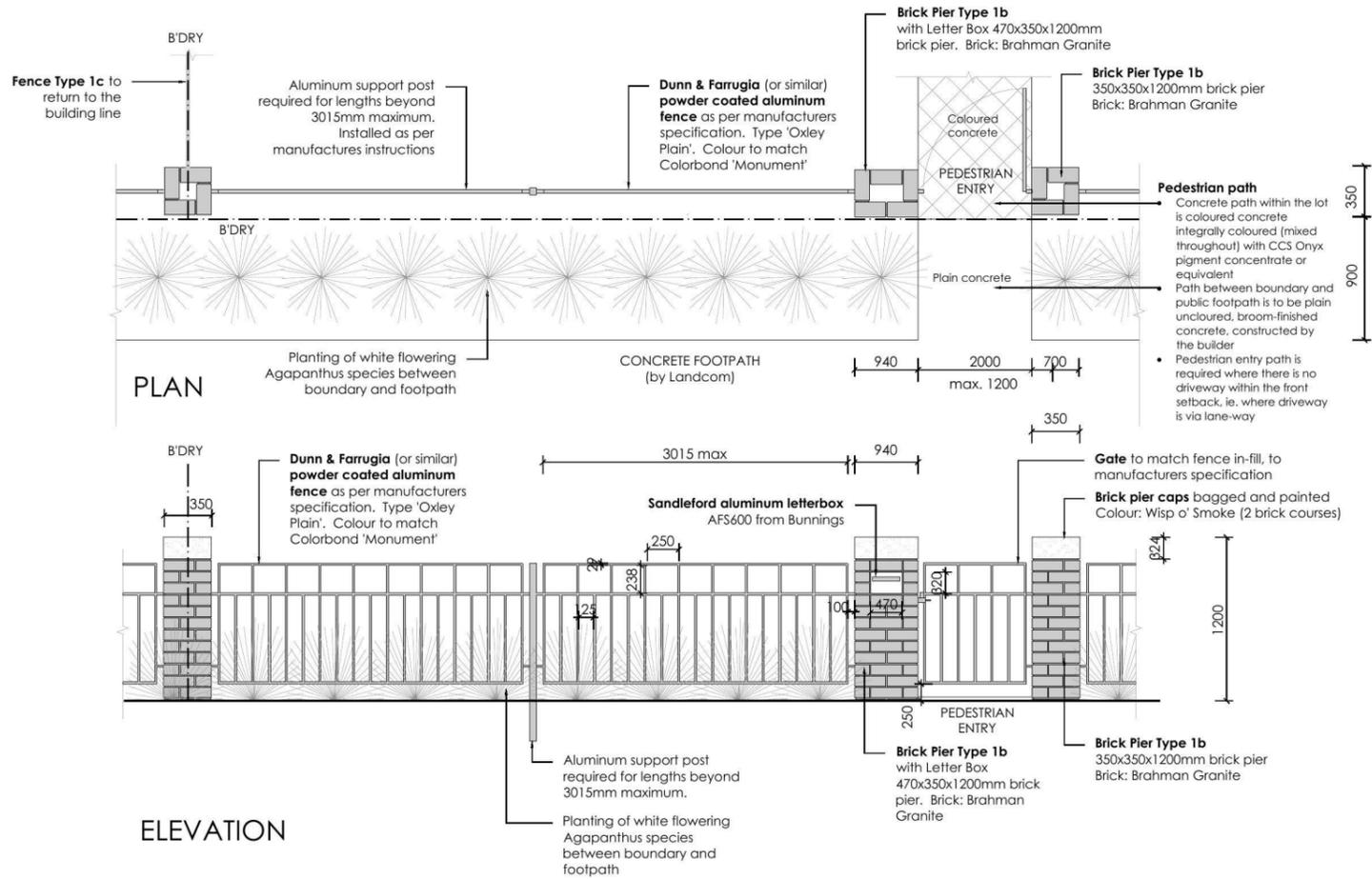
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6. All work to comply with relevant Australian Standards or Building Code of Australia
7. All work to be performed by a suitably qualified tradesperson
8. For application purposes only - NOT FOR CONSTRUCTION

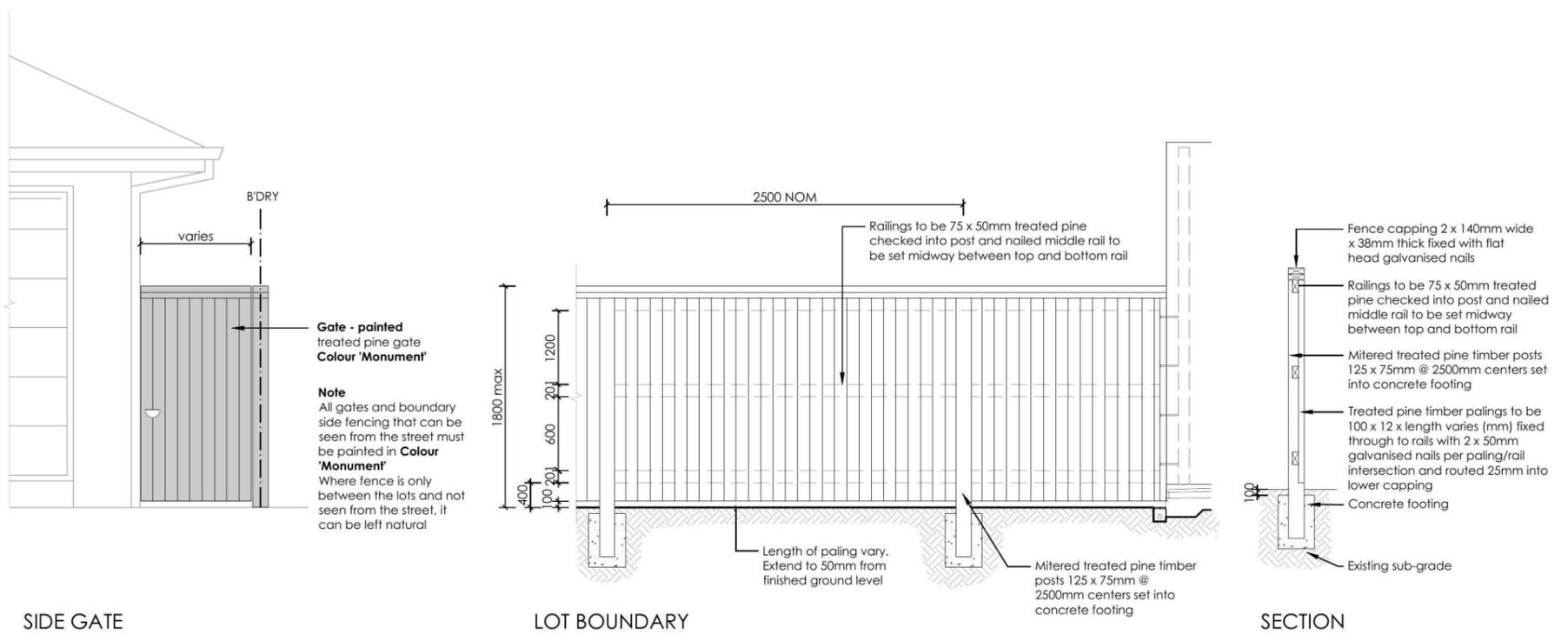
ADDRESS	LOT 2202 COMBWOOD AVE, PENRITH
CLIENT	CHAMPION HOMES

PROJECT	NEW RESIDENCE
DRAWING	LANDSCAPE PLAN
SCALE	1:100 @ A3
ISSUE	DA
SHEET	02
DRAWN	RS
CHECK	RS
DATE	02-05-14
REVISION	B





5 **FENCE TYPE 1b - Front Fence**
1:50 Typical detail



6 **FENCE TYPE 4a - Side Boundaries**
1:50 Typical detail

REVISION	DESCRIPTION	DRAWN	CHECK	DATE
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PROJECT: **NEW RESIDENCE**

ADDRESS: **LOT 2202 COMBWOOD AVE, PENRITH**

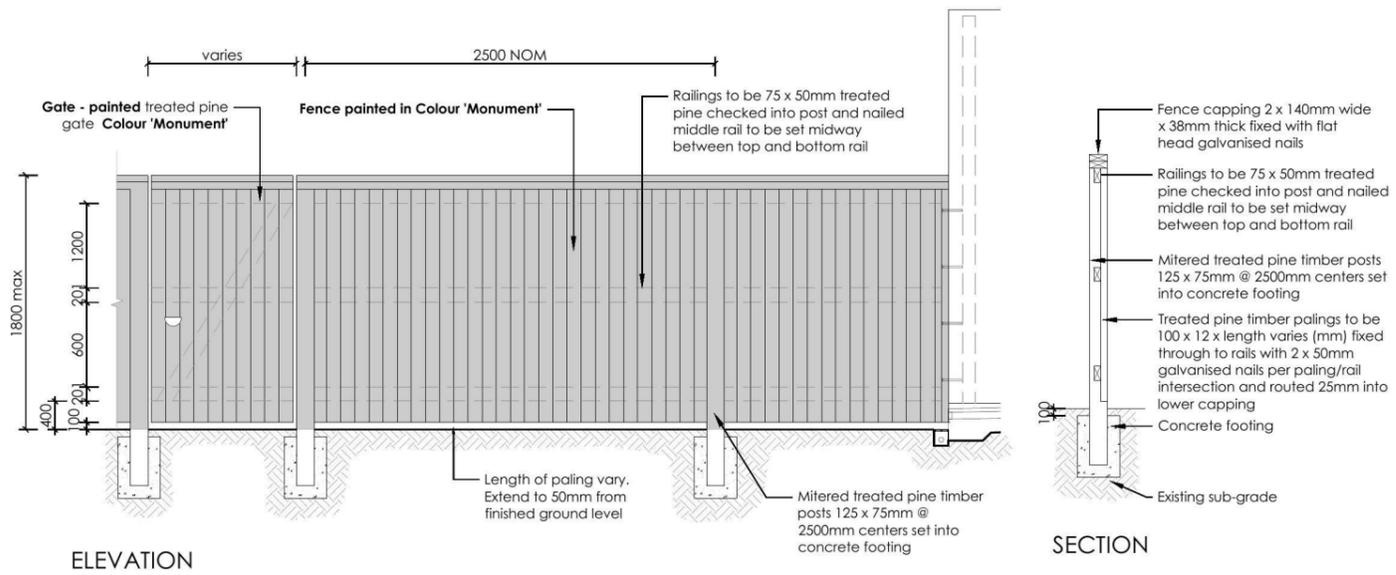
CLIENT: **CHAMPION HOMES**

DRAWING: **LANDSCAPE PLAN**

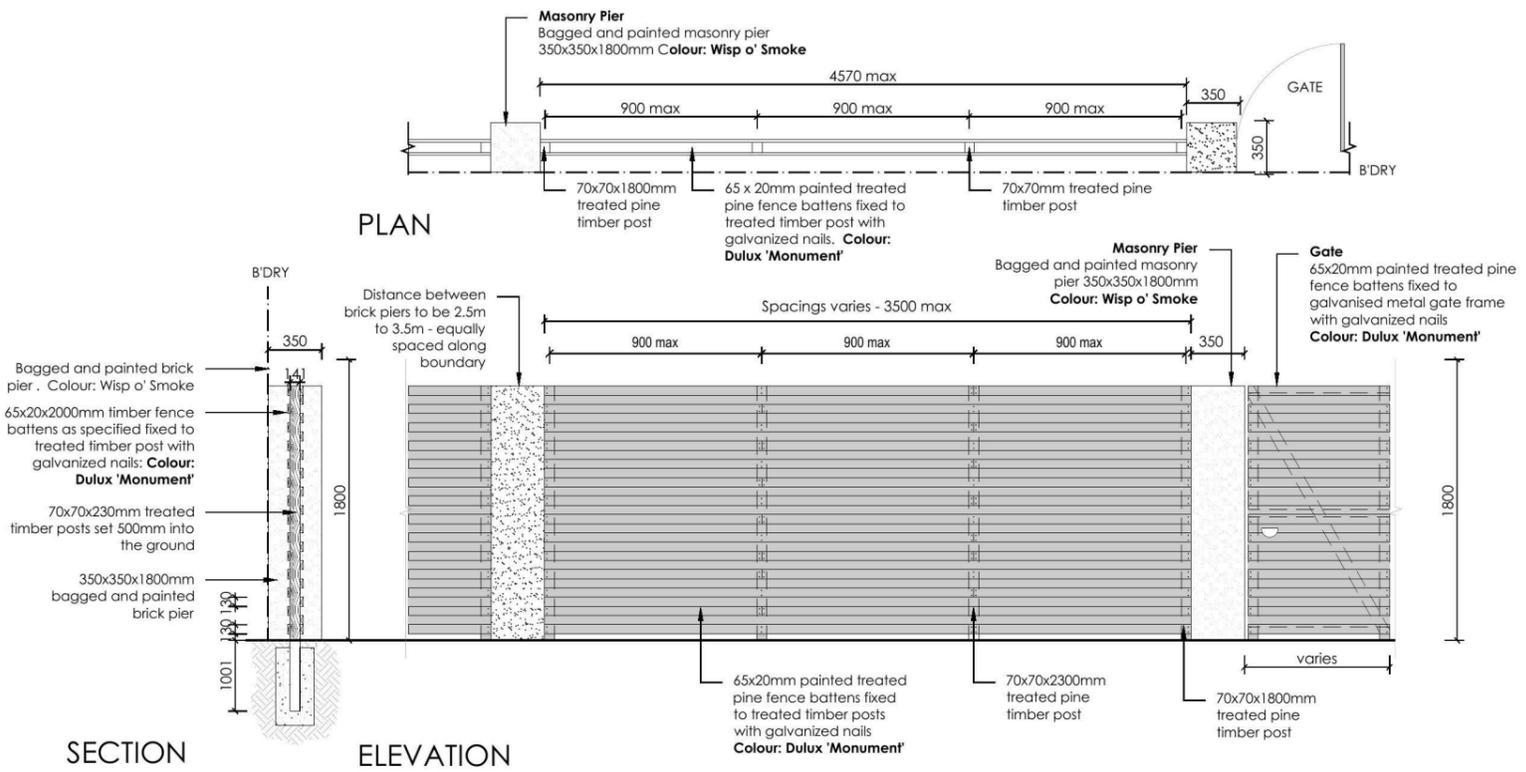
SCALE: **1:100 @ A3** ISSUE: **DA** SHEET: **03**

DRAWN: **RS** CHECK: **RS** DATE: **02-05-14** REVISION: **B**





7 **FENCE TYPE 4b - Rear Boundary**
 1:50 All Laneways (except Barlett Lane)
 Typical detail



8 **FENCE TYPE 2a - Secondary Street Fencing**
 1:50 Typical detail

REVISION	DESCRIPTION	DRAWN	CHECK	DATE
A	ISSUE COLOUR PLAN FOR CLIENT REVIEW	RS	BT	02-05-14
B	AMEND TO BUILDERS MARK-UP	RS	RS	02-05-14

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PROJECT: NEW RESIDENCE

ADDRESS: LOT 2202 COMBWOOD AVE, PENRITH

CLIENT: CHAMPION HOMES

SCALE	DATE	SHEET
1:100 @ A3	DA	04

DRAWN	CHECK	DATE	REVISION
RS	RS	02-05-14	B

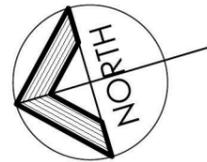


NOTE:

FINAL LOCATION & SHAPE OF ALL LANDSCAPING WORKS, INCLUDING DRIVEWAY, IS TO BE DETERMINED ON SITE AT THE DIRECTION OF THE BUILDER.

FINAL RIDGE AND FLOOR LEVELS ARE ACCEPTED TO VARY BY ±100mm FROM THE APPROVED DOCUMENTS, ALL DUE TO CONDITIONS ENCOUNTERED ON SITE DURING BUILDING WORKS.

NOTE:
FINAL SITING AND LEVELS OF PROPOSED RESIDENCE, TO BE CONFIRMED UPON RECEIPT OF CONTOUR SURVEY PREPARED BY BUILDER'S SURVEYOR



NORTH
LOT 2202
430.40m²

SUPPLEMENTARY B.C.A ENERGY EFFICIENCY CLAUSES FOR NatHERS / BASIX ASSESSMENTS

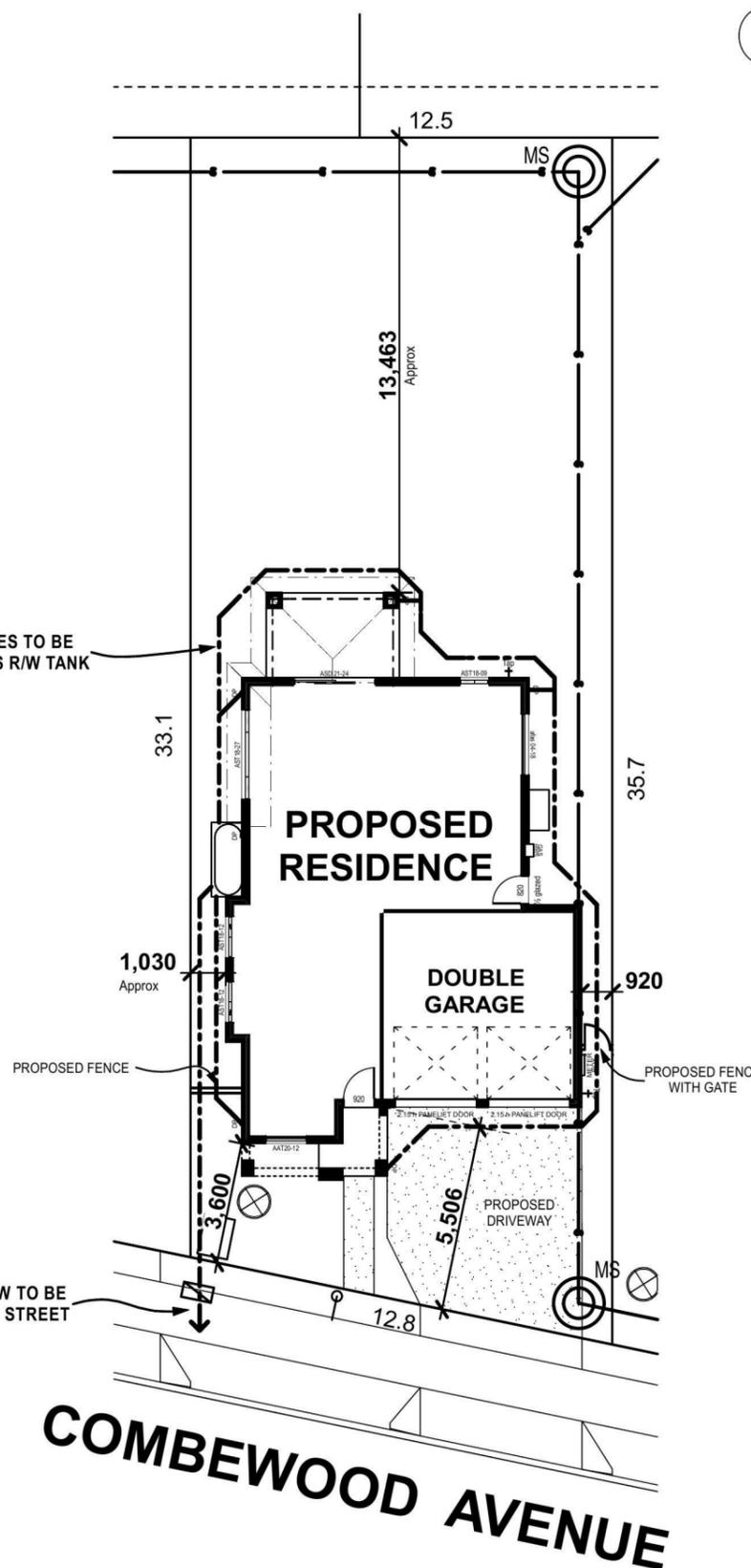
3.12.1.1	Building fabric thermal insulation	Any Insulation installation required by plans must be fitted in alignment with this clause.
3.12.1.2 (e)		Recompense for any reduced ceiling insulation is required to comply with this clause (any downlights installed must be non - ventilated). Recompense for loss of any ceiling insulation is not necessary when suitable approved non - ventilated down light covers are supplied, as these provide continuous flow of insulation.
3.12.3.3	External Windows & Doors	The sealing of any windows or doors must be in conformity with this clause.
3.12.3.4	Exhaust Fans	Refer to Current B.C.A for Detailed specification
3.12.3.5	Construction of Roofs, Walls & Floors	The sealing of roofs , walls and / or floors must align with this clause.
3.12.5.0	Acceptable Construction Manuals	Installation of any hot water systems must abide by this clause.
3.12.5.1	Insulation of Services	Installation of any services must observe requirements of this clause.
3.12.5.3	Heating & Cooling Ductwork	Ductwork insulation to cooling & heating systems must abide by this clause.

Proposed Site & Drainage Plan

SCALE 1:200

STORMWATER LINES TO BE DIRECTED TOWARDS R/W TANK

R/W TANK OVERFLOW TO BE DIRECTED TOWARDS STREET



COMBEWOOD AVENUE

Figured dimensions to be used in preference to scaling this drawing.
Do not assume - if in doubt ASK.

SITE & SLAB CLASSIFICATION IS TO BE CONFIRMED
Wind Speed category is **TO BE CONFIRMED**

SLAB SETDOWNS FROM ENTRY:		
EDGE REBATES	-	172mm x 150mm WIDE
GARAGE	170	mm FROM F.F.L.
FRONT PORCH/VERANDAH	170	mm FROM F.F.L.
BALCONY	130	mm FROM F.F.L.



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Revision	Date	Amendment
B	03.06.14	FLOOR LEVELS ADDED / DA PLANS - MT
A	31.03.14	CONTRACT DRAWINGS - MT

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Proposed Residence at Lot : 2202
Combewood Avenue,
Penrith (Thornton)

Plot Date
Tue 03 Jun 2014

Client :
Champion Homes

Sheet Size: A3 Date: 31.03.14 Drawn: MT

Design :
Custom Design

Job No. **3155N** Sheet 1 of 11

Energy Rating Certificate Number **15430309**

single-dwelling rating **4.5** stars

multi-unit development (attach listing of ratings)

heating **68.9** MJ/m²

cooling **46.1** MJ/m²

Recessed downlights confirmation: Rated with Rated without

Assessor Name/Number Luis Contigiani BDAV/13/1543

Assessor Signature *[Signature]* Date **06-05-2014**

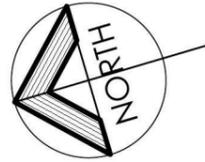
ALL GLAZING TO BE NFRC VALUE OF UW = 0.55 OR LESS AND SHGCw = 0.70 +/- 10 % SARKING TO ALL ROOF R 3.5 INSULATION TO ALL CEILING R 1.5 BATTS TO ALL EXT. WALLS R 1.5 BATTS TO ALL INTERNAL GARAGE WALLS

NOTE:

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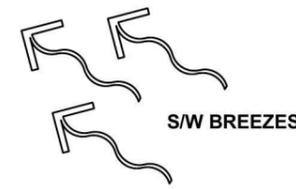
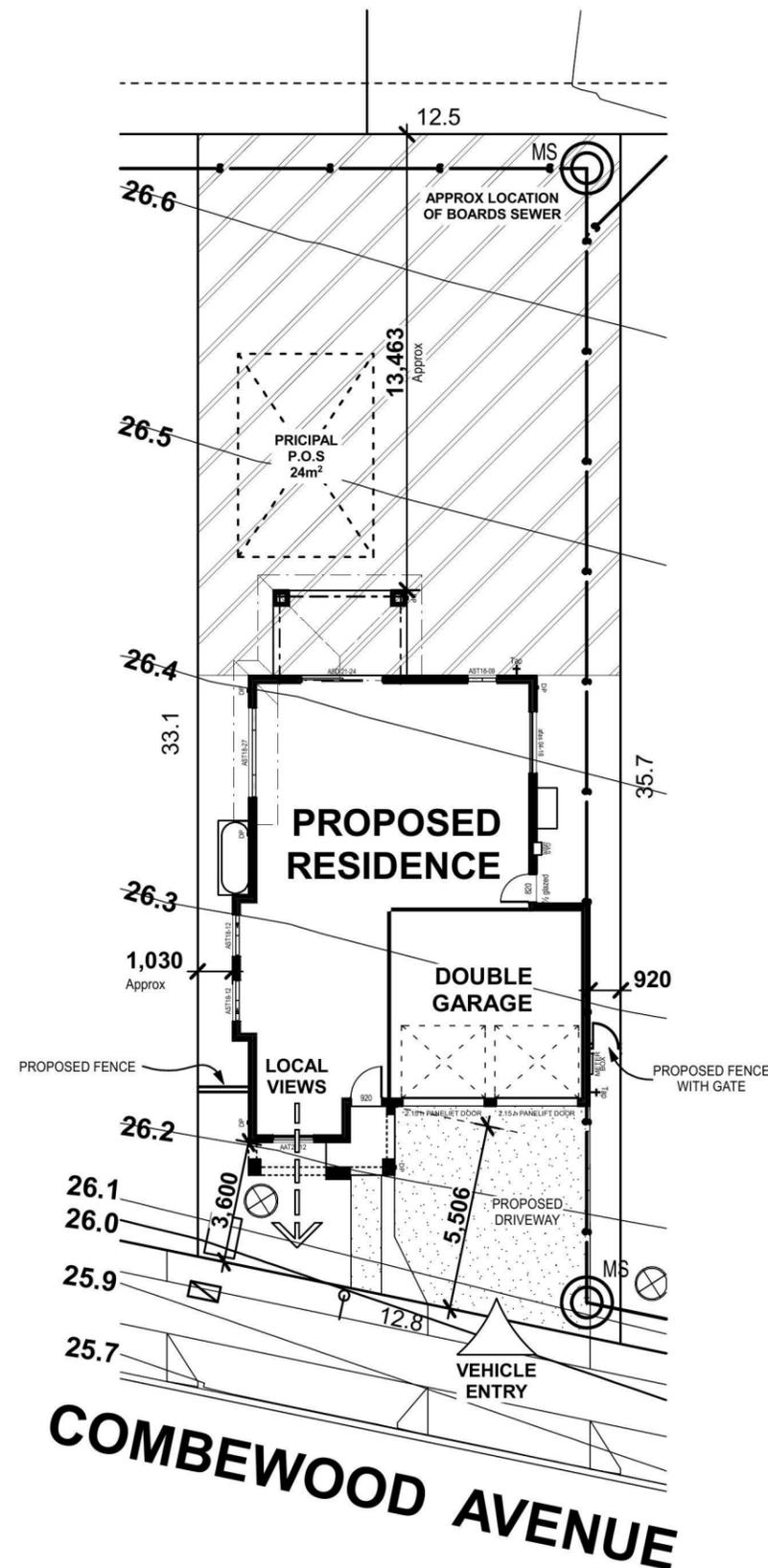
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NORTH
LOT 2202
430.40m²

NORTH PENRITH " THORTON" REQUIREMENTS:

SITE AREA:	430.40m ²
PRIVATE OPEN SPACE:	REQUIRED: 20% or 86.08m ² ACHIEVED: 46% or 199.79m ²
LANDSCAPE AREA:	ACHIEVED: 52% or 222.36m ²
CARPARKING:	REQUIRED: 2 SPACES ACHIEVED: 2 SPACES



Proposed Site Analysis Plan
SCALE 1:200

Energy Rating Certificate Number **15430309**

single-dwelling rating **4.5** stars

multi-unit development (attach listing of ratings) heating **68.9** MJ/m²
cooling **46.1** MJ/m²

Recessed downlights confirmation: Rated with Rated without

Assessor Name/Number Luis Contigiani BDAV/13/1543
Assessor Signature *[Signature]* Date **06-05-2014**

ALL GLAZING TO BE NFRC VALUE OF U_w = 0.55 OR LESS AND SHGC_w = 0.70 + / - 10 %
SARKING TO ALL ROOF
R 3.5 INSULATION TO ALL CEILING
R 1.5 BATTS TO ALL EXT. WALLS
R 1.5 BATTS TO ALL INTERNAL GARAGE WALLS

Plot Date
Tue 03 Jun 2014

Figured dimensions to be used in preference to scaling this drawing.
Do not assume - if in doubt ASK.

SITE & SLAB CLASSIFICATION IS TO BE CONFIRMED
Wind Speed category is **TO BE CONFIRMED**

SLAB SETDOWNS FROM ENTRY:

EDGE REBATES	-	172mm x 150mm WIDE
GARAGE	170	mm FROM F.F.L.
FRONT PORCH/VERANDAH	170	mm FROM F.F.L.
BALCONY	130	mm FROM F.F.L.

Champion Homes
Simply the Best

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A	31.03.14	CONTRACT DRAWINGS - MT

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Penrith (Thornton)

Client :
Champion Homes

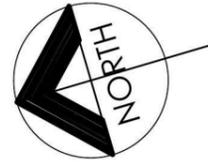
Sheet Size: A3 Date: 31.03.14 Drawn: MT
Design :
Custom Design

Job No. **3155N** Sheet 2 of 11

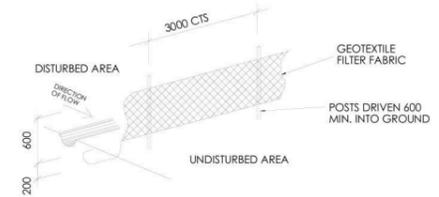
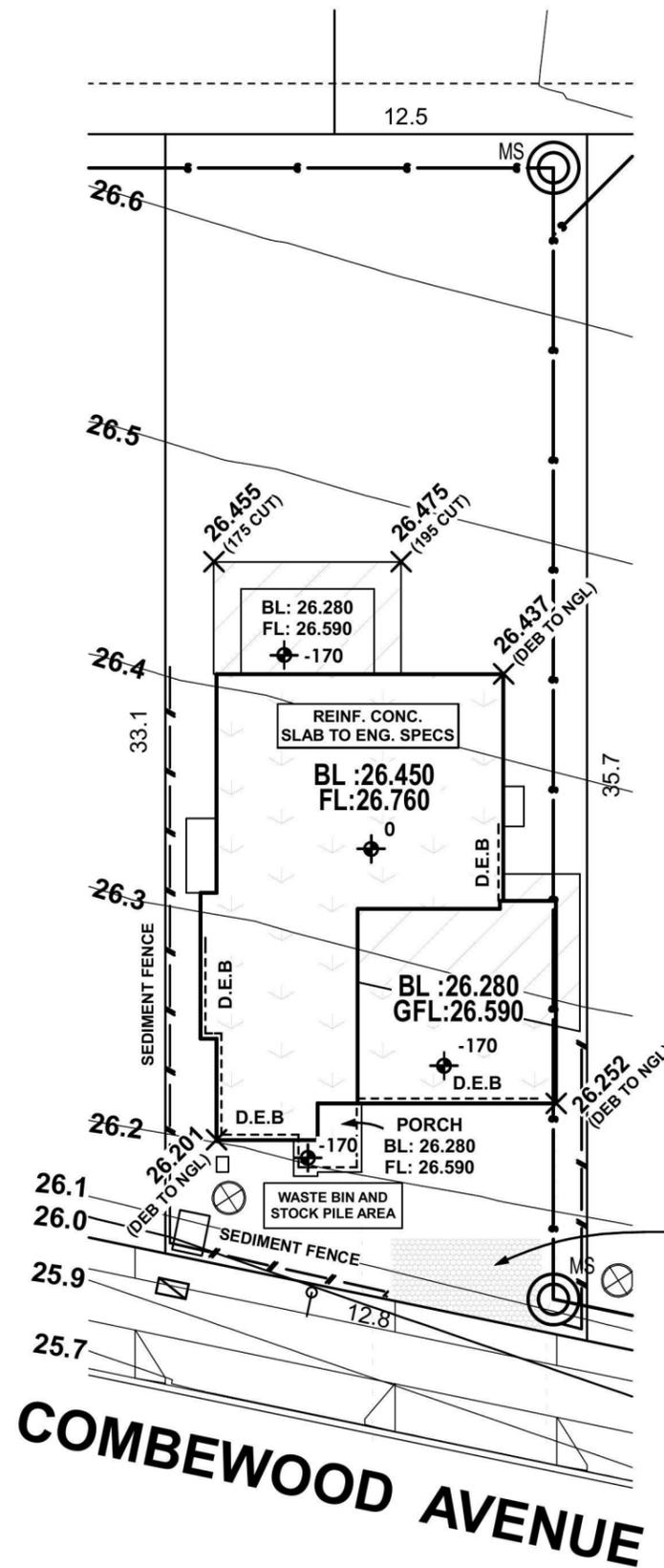
Erosion & Sediment Control Plan

SCALE 1:200

NOTE:
FINAL SITING AND LEVELS OF PROPOSED RESIDENCE, TO BE CONFIRMED UPON RECEIPT OF CONTOUR SURVEY PREPARED BY BUILDER'S SURVEYOR



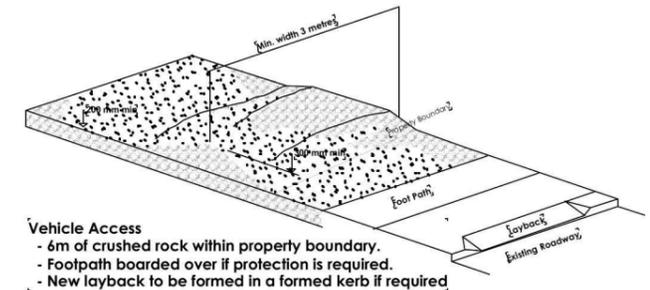
NORTH
LOT 2202
430.40m²



SEDIMENT CONTROL FENCE

SITE PLAN

ALL SITEWORKS INDICATED ARE ILLUSTRATIVE ONLY. FINAL BENCH LEVEL (BL) MAY BE SUBJECT TO ADJUSTMENT. SUCH ADJUSTMENTS, WHILE COMPLYING WITH COUNCIL REQUIREMENTS REMAIN AT THE DISCRETION OF THE BUILDER.



Vehicle Access
- 6m of crushed rock within property boundary.
- Footpath boarded over if protection is required.
- New layback to be formed in a formed kerb if required.

100mm THICK CRUSHED ROCK TO ALL WEATHER ACCESS

	Energy Rating	Certificate Number	15430309
<input checked="" type="checkbox"/>	single-dwelling rating		4.5 stars
<input type="checkbox"/>	multi-unit development (attach listing of ratings)	heating	68.9 MJ/m ²
	<small>If selected, data specified is the average across the entire development</small>	cooling	46.1 MJ/m ²
Recessed downlights confirmation:		<input checked="" type="checkbox"/> Rated with	<input type="checkbox"/> Rated without
Assessor Name/Number		Luis Contigiani	BDAV/13/1543
Assessor Signature			Date 06-05-2014

ALL GLAZING TO BE NFRC VALUE OF UW = 0.55 OR LESS AND SHGCw = 0.70 +/- 10% SARKING TO ALL ROOF R 3.5 INSULATION TO ALL CEILING R 1.5 BATTs TO ALL EXT. WALLS

Plot Date
Tue 03 Jun 2014

Figured dimensions to be used in preference to scaling this drawing.
Do not assume - if in doubt ASK.

SITE & SLAB CLASSIFICATION
IS TO BE CONFIRMED
Wind Speed category is **TO BE CONFIRMED**

SLAB SETDOWNS FROM ENTRY.	
EDGE REBATES	172mm x 150mm WIDE
GARAGE	170 mm FROM F.F.L.
FRONT PORCH/VERANDAH	170 mm FROM F.F.L.
BALCONY	130 mm FROM F.F.L.



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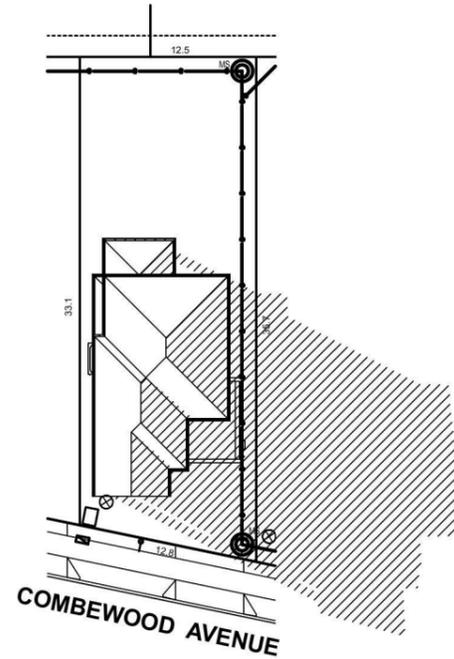
Client :
Champion Homes
Sheet Size: A3 Date: 31.03.14 Drawn: MT
Design :
Custom Design
Job No. **3155N** Sheet 3 of 11

Shadow Diagrams

NOTE:
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PROPOSED RESIDENCE, TO BE
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CONTOUR SURVEY PREPARED
BY BUILDER'S SURVEYOR



NORTH
LOT 2202
430.40m²

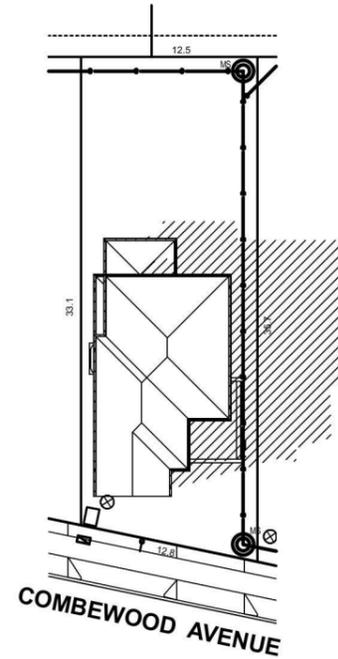


○ **June 21st - 9am**
SCALE 1:500

NOTE:
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NORTH
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430.40m²

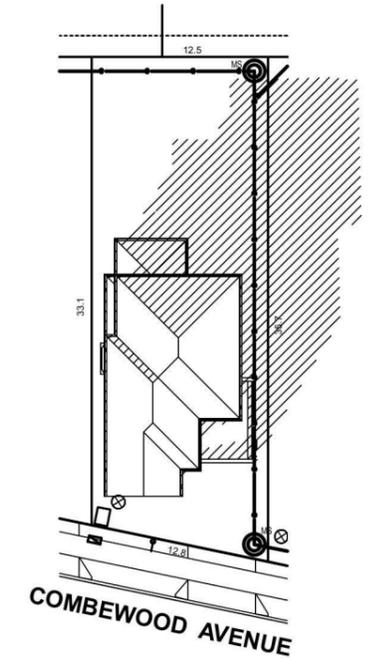


○ **June 21st - 12noon**
SCALE 1:500

NOTE:
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PROPOSED RESIDENCE, TO BE
CONFIRMED UPON RECEIPT OF
CONTOUR SURVEY PREPARED
BY BUILDER'S SURVEYOR



NORTH
LOT 2202
430.40m²



○ **June 21st - 3pm**
SCALE 1:500

Energy Rating		Certificate Number	15430309
<input checked="" type="checkbox"/> single-dwelling rating		stars	4.5
<input type="checkbox"/> multi-unit development (attach listing of ratings)	heating	MJ/m ²	68.9
<small>If selected, data specified is the average across the entire development</small>	cooling	MJ/m ²	46.1
Recessed downlights confirmation:	<input checked="" type="checkbox"/> Rated with	<input type="checkbox"/> Rated without	
Assessor Name/Number	Luis Contigiani	BDAV/13/1543	
Assessor Signature		Date	06-05-2014

ALL GLAZING TO BE NFRC VALUE OF UW = 0.55 OR LESS AND SHGCw = 0.70 +/- 10% SARKING TO ALL ROOF R 3.5 INSULATION TO ALL CEILING R 1.5 BATTS TO ALL INTERNAL GARAGE WALLS R 1.5 BATTS TO ALL EXT. WALLS

Plot Date
Tue 03 Jun 2014

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Wind Speed category is **TO BE CONFIRMED**

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Client :
Champion Homes
Sheet Size: A3 Date: 31.03.14 Drawn: MT
Design :
Custom Design
Job No. **3155N** Sheet 4 of 11

Schedule of BASIX commitments

BASIX TEMPLATE

The commitments set out below regulate how the proposed development is to be carried out. It is a condition of any development consent granted, or complying development certificate issued, for the proposed development, that BASIX commitments be complied with.

Water Commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
Fixtures			
The applicant must install showerheads with a minimum rating of 3 star (> 7.5 but <= 9 L/min) in all showers in the development.		✓	✓
The applicant must install a toilet flushing system with a minimum rating of 4 star in each toilet in the development.		✓	✓
The applicant must install taps with a minimum rating of 4 star in the kitchen in the development.		✓	
The applicant must install basin taps with a minimum rating of 4 star in each bathroom in the development.		✓	
Alternative water			
Rainwater tank			
The applicant must install a rainwater tank of at least 3000 litres on the site. This rainwater tank must meet, and be installed in accordance with, the requirements of all applicable regulatory authorities.	✓	✓	✓
The applicant must configure the rainwater tank to collect rain runoff from at least 162.1 square metres of the roof area of the development (excluding the area of the roof which drains to any stormwater tank or private dam).		✓	✓
The applicant must connect the rainwater tank to: <ul style="list-style-type: none"> all toilets in the development the cold water tap that supplies each clothes washer in the development at least one outdoor tap in the development (Note: NSW Health does not recommend that rainwater be used for human consumption in areas with potable water supply.) 		✓	✓
Thermal Comfort Commitments			
Simulation Method			
The applicant must attach the certificate referred to under "Assessor Details" on the front page of this BASIX certificate (the "Assessor Certificate") to the development application and construction certificate application for the proposed development (or, if the applicant is applying for a complying development certificate for the proposed development, to that application). The applicant must also attach the Assessor Certificate to the application for an occupation certificate for the proposed development.			
The Assessor Certificate must have been issued by an Accredited Assessor in accordance with the Thermal Comfort Protocol.			
The details of the proposed development on the Assessor Certificate must be consistent with the details shown in this BASIX certificate, including the Cooling and Heating loads shown on the front page of this certificate.			
The applicant must show on the plans accompanying the development application for the proposed development, all matters which the Assessor Certificate requires to be shown on those plans. Those plans must bear a stamp of endorsement from the Accredited Assessor to certify that this is the case. The applicant must show on the plans accompanying the application for a construction certificate (or complying development certificate, if applicable), all thermal performance specifications set out in the Assessor Certificate, and all aspects of the proposed development which were used to calculate those specifications.			
The applicant must construct the development in accordance with all thermal performance specifications set out in the Assessor Certificate, and in accordance with those aspects of the development application or application for a complying development certificate which were used to calculate those specifications.		✓	✓
The applicant must construct the floors and walls of the dwelling in accordance with the specifications listed in the table below.	✓	✓	✓

Floor and wall construction	Area
floor - concrete slab on ground	All or part of floor area square metres
floor - suspended floor above garage	All or part of floor area

ALL GLAZING TO BE NFRC VALUE OF UW = 6.66 OR LESS AND SHGC_w = 0.70 + / - 10 % SARKING TO ALL ROOF R 3.5 INSULATION TO ALL CEILING R 1.5 BATTS TO ALL EXT. WALLS

R 1.5 BATTS TO ALL INTERNAL GARAGE WALLS

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Proposed Residence at Lot : 2202 Combewood Avenue, Penrith (Thornton)

Plot Date
Tue 03 Jun 2014

Client :
Champion Homes

Sheet Size: A3 Date: 31.03.14 Drawn: MT

Design :
Custom Design

Job No. **3155N** Sheet 5 of 11

Energy Commitments	Show on DA plans	Show on CC/CDC plans & specs	Certifier check
Hot water			
The applicant must install the following hot water system in the development, or a system with a higher energy rating: gas instantaneous with a performance of 5 stars.	✓	✓	✓
Cooling system			
The applicant must install the following cooling system, or a system with a higher energy rating, in at least 1 living area: 1-phase airconditioning; Energy rating: EER 2.5 - 3.0		✓	✓
The applicant must install the following cooling system, or a system with a higher energy rating, in at least 1 bedroom: 1-phase airconditioning; Energy rating: EER 2.5 - 3.0		✓	✓
The cooling system must provide for day/night zoning between living areas and bedrooms.		✓	✓
Heating system			
The applicant must install the following heating system, or a system with a higher energy rating, in at least 1 living area: 1-phase airconditioning; Energy rating: EER 2.5 - 3.0		✓	✓
The applicant must install the following heating system, or a system with a higher energy rating, in at least 1 bedroom: 1-phase airconditioning; Energy rating: EER 2.5 - 3.0		✓	✓
The heating system must provide for day/night zoning between living areas and bedrooms.		✓	✓
Ventilation			
The applicant must install the following exhaust systems in the development: At least 1 Bathroom: individual fan, ducted to façade or roof; Operation control: manual switch on/off Kitchen: individual fan, ducted to façade or roof; Operation control: manual switch on/off Laundry: natural ventilation only, or no laundry; Operation control: n/a		✓	✓
Natural lighting			
The applicant must install a window and/or skylight in the kitchen of the dwelling for natural lighting.	✓	✓	✓
The applicant must install a window and/or skylight in 2 bathroom(s)/toilet(s) in the development for natural lighting.	✓	✓	✓
Other			
Energy Commitments			
The applicant must install a gas cooktop & electric oven in the kitchen of the dwelling.		✓	
The applicant must install a fixed outdoor clothes drying line as part of the development.		✓	



Energy Rating Certificate Number **15430309**

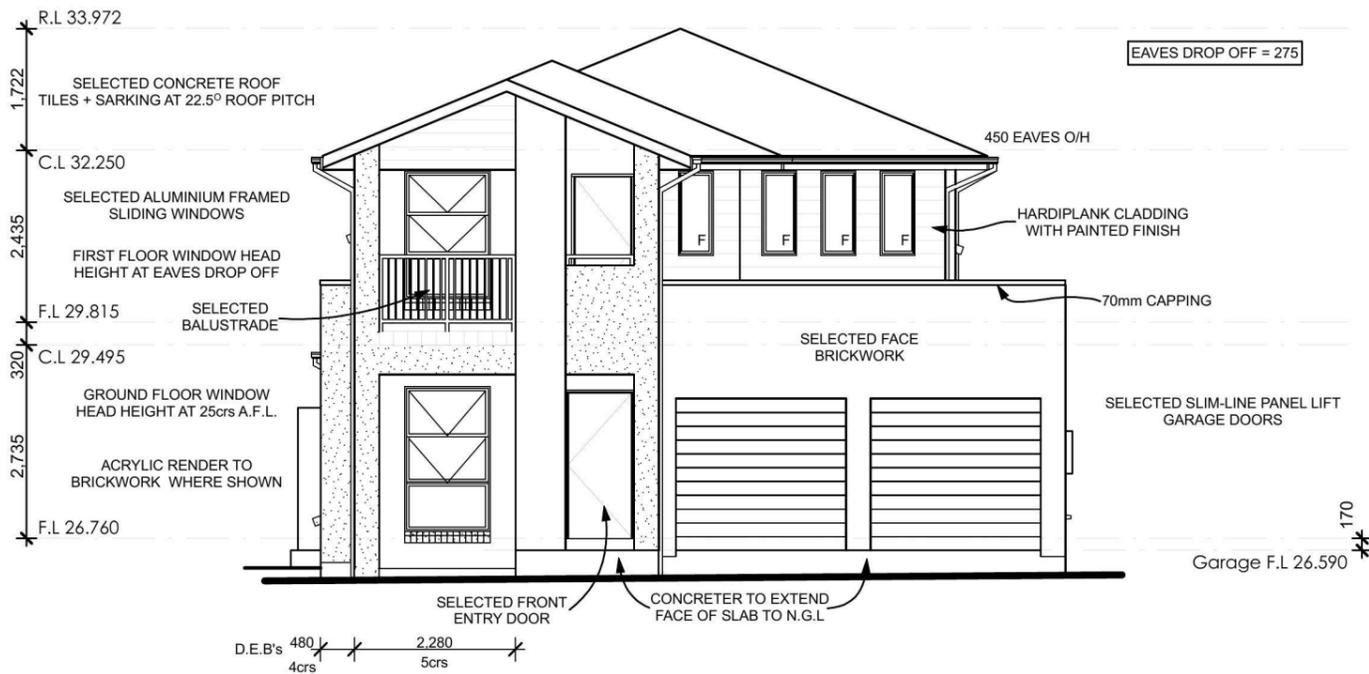
single-dwelling rating **4.5** stars

multi-unit development (attach listing of ratings) heating **68.9** MJ/m²
If selected, data specified is the average across the entire development cooling **46.1** MJ/m²

Recessed downlights confirmation: Rated with Rated without

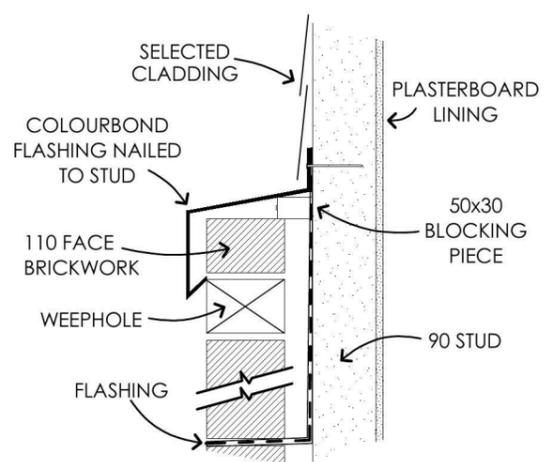
Assessor Name/Number Luis Contigiani BDAV/13/1543

Assessor Signature *Luis Contigiani* Date **06-05-2014**

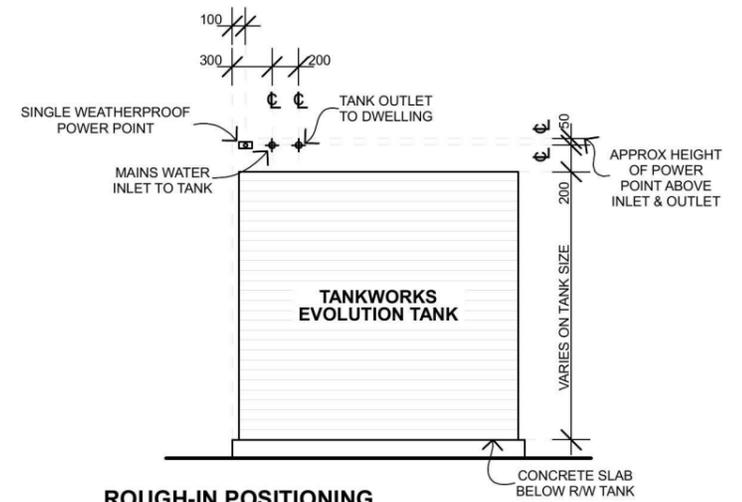


Western Elevation

SCALE 1:100



DETAIL 1



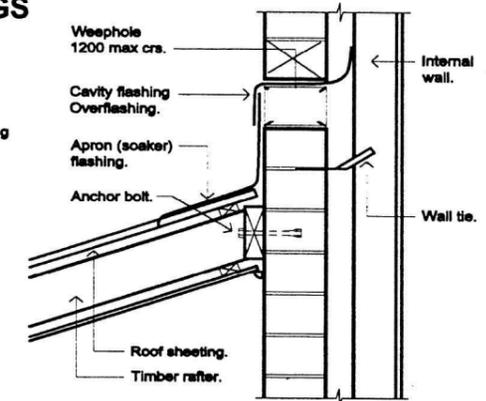
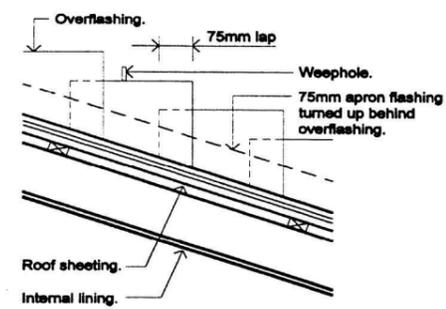
ROUGH-IN POSITIONING "EVOLUTION SERIES 2 TANKS"



Eastern Elevation

SCALE 1:100

STEPPED CAVITY FLASHINGS



	Energy Rating	Certificate Number	15430309
<input checked="" type="checkbox"/>	single-dwelling rating		4.5 stars
<input type="checkbox"/>	multi-unit development (attach listing of ratings)	heating	68.9 MJ/m ²
		cooling	46.1 MJ/m ²
Recessed downlights confirmation:		<input checked="" type="checkbox"/> Rated with	<input type="checkbox"/> Rated without
Assessor Name/Number		Luis Contigiani	BDAV/13/1543
Assessor Signature			Date 06-05-2014

PROTECTION OF OPENABLE WINDOWS AS PER B.C.A CONDITION 3.9.2.5

A WINDOW OPENING MUST BE PROVIDED WITH PROTECTION IF THE FLOOR BELOW THE WINDOW IN A BEDROOM IS 2m OR MORE ABOVE THE SURFACE BENEATH. WHERE THE LOWEST LEVEL OF A WINDOW OPENING IS LESS THAN 1.7m ABOVE THE FLOOR, A KEYED LOCK MUST BE FITTED SO AS TO RESTRICT THE WINDOW OPENING TO A MAX 125mm

Figured dimensions to be used in preference to scaling this drawing. Do not assume - if in doubt ASK.

SITE & SLAB CLASSIFICATION IS TO BE CONFIRMED
Wind Speed category is **TO BE CONFIRMED**

SLAB SETDOWNS FROM ENTRY:	
EDGE REBATES	172mm x 150mm WIDE
GARAGE	170 mm FROM F.F.L.
FRONT PORCH/VERANDAH	170 mm FROM F.F.L.
BALCONY	130 mm FROM F.F.L.



Suite 1, Level 1,
600 Hoxton Park Rd,
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P.O. Box 95 Hoxton Park,
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Fax (02) 9825 8110
Builders Licence No. 92732C

Revision	Date	Amendment
B	03.06.14	FLOOR LEVELS ADDED / DA PLANS - MT
A	31.03.14	CONTRACT DRAWINGS - MT

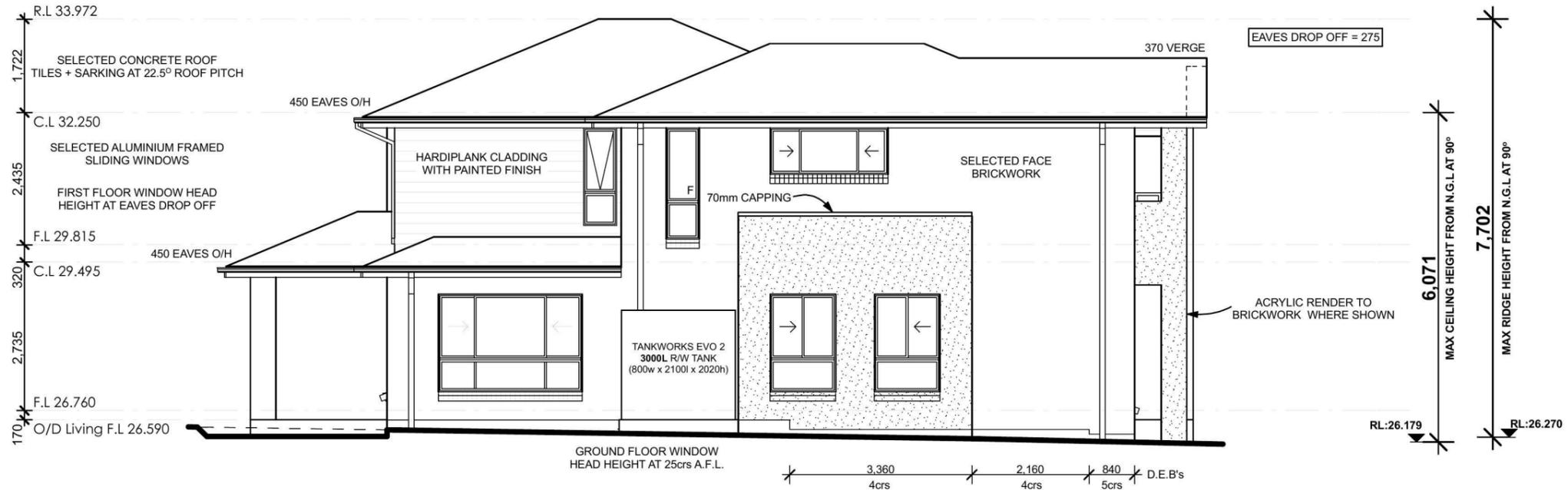
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Proposed Residence
at Lot: 2202
Combewood Avenue,
Penrith (Thornton)

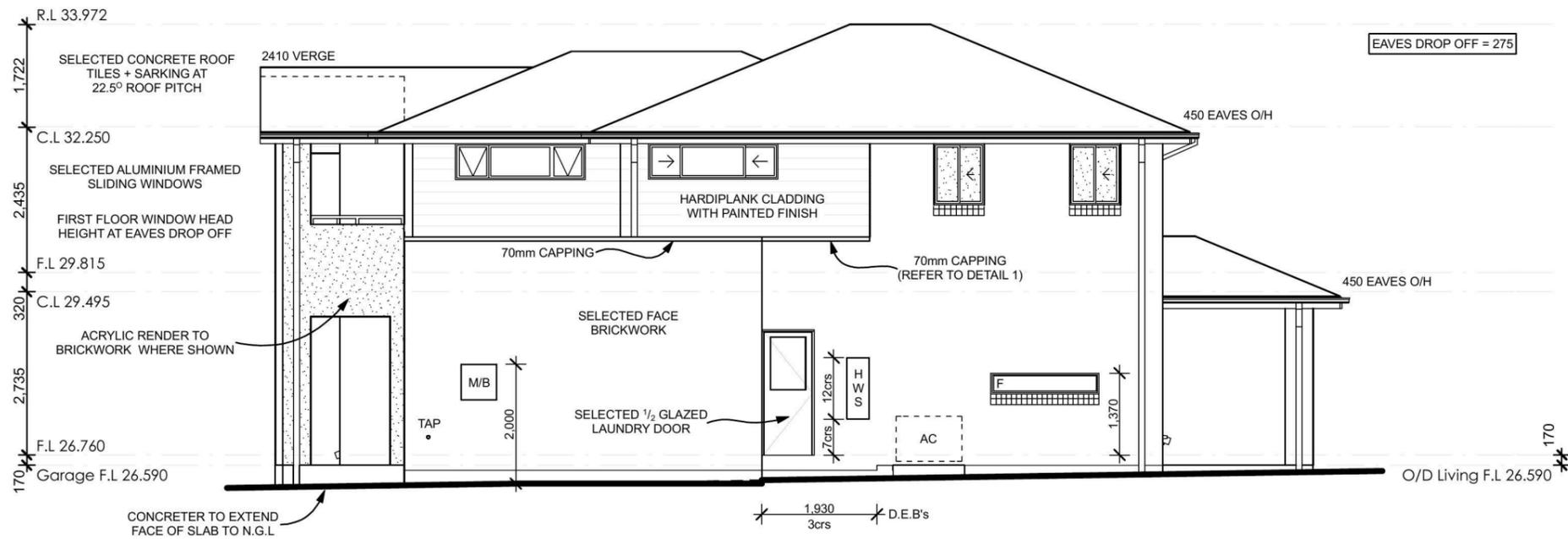
Plot Date
Tue 03 Jun 2014

Client:
Champion Homes
Sheet Size: A3 Date: 31.03.14 Drawn: MT
Design:
Custom Design
Job No. **3155N** Sheet 8 of 11

ALL GLAZING TO BE NFRC VALUE OF UW = 6.66 OR LESS AND SHGC = 0.70 +/- 10% SARKING TO ALL ROOF R 3.5 INSULATION TO ALL CEILING R 1.5 BATTES TO ALL EXT. WALLS R 1.5 BATTES TO ALL INTERNAL GARAGE WALLS



Northern Elevation
SCALE 1:100



Southern Elevation
SCALE 1:100

Energy Rating Certificate Number **15430309**

single-dwelling rating **4.5** stars

multi-unit development (attach listing of ratings) heating **68.9** MJ/m² cooling **46.1** MJ/m²

Recessed downlights confirmation: Rated with Rated without

Assessor Name/Number **Luis Contigiani BDAV/13/1543**

Assessor Signature *[Signature]* Date **06-05-2014**

ALL GLAZING TO BE NFRC VALUE OF UW = 6.50 OR LESS AND SHGLOW = 0.70 +/- 10% SARKING TO ALL ROOF R 3.5 INSULATION TO ALL CEILING R 1.5 BATTS TO ALL INTERNAL GARAGE WALLS R 1.5 BATTS TO ALL EXT. WALLS

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Champion Homes
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Revision	Date	Amendment
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Custom Design

Job No. **3155N** Sheet 9 of 11