Certificate number: 1072449S

| 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. | | V | ~ |
| 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. | ~ | ~ | V |
| The applicant must configure the rainwater tank to collect rain runoff from at least 200 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: | | | |
| 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.) | 57 | ~ | V |
| Thermal Comfort Commitments | Show on | Show on CC/CDC | Certifier |

| Thermal Comfort Commitments | Show on DA plans | Show on CC/CDC plans & specs | Certifier check |
|--|------------------|------------------------------|--------------------|
| 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 | | | |
|---|--|---------------------|------------------------------|-----------------|
| or - concrete slab on ground All or part of floor area square metres | | | | |
| floor - suspended floor above garage | All or part of floor area | 1000 | | |
| 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 6 stars. | | ~ | ✓ | ~ |
| Cooling system | | | | |
| The applicant must install the following cooling system, or a system with a higher energy ratin airconditioning; Energy rating: EER 3.0 - 3.5 | ng, in at least 1 living area: 3-phase | | ✓ | ~ |
| The applicant must install the following cooling system, or a system with a higher energy rating, in at least 1 bedroom: 3-phase airconditioning; Energy rating: EER 3.0 - 3.5 | | | ~ | ~ |
| The cooling system must provide for day/night zoning between living areas and bedrooms. | | | ~ | V |
| Heating system | | 1 | | |
| The applicant must install the following heating system, or a system with a higher energy ratir airconditioning; Energy rating: EER 3.0 - 3.5 | ng, in at least 1 living area: 3-phase | | ~ | ~ |
| The applicant must install the following heating system, or a system with a higher energy ratin airconditioning; Energy rating: EER 3.0 - 3.5 | ng, in at least 1 bedroom: 3-phase | | ~ | ~ |
| The heating system must provide for day/night zoning between living areas and bedrooms. | | | _ | ~ |
| Ventilation | | | 100 | |
| The applicant must install the following exhaust systems in the development: | | | | |
| At least 1 Bathroom: individual fan, not ducted; Operation control: manual switch on/off | | | | |
| | | | ~ | ~ |
| Kitchen: individual fan, not ducted; Operation control: manual switch on/off | | | | |
| Laundry: natural ventilation only, or no laundry; Operation control: n/a | | | <u>*</u> | |
| Lauriury, natural vertulation only, or no lauriury, operation control. Tra | | | ~ | ~ |
| Artificial lighting | | | | |
| The applicant must ensure that the "primary type of artificial lighting" is fluorescent or light em following rooms, and where the word "dedicated" appears, the fittings for those lights must on light emitting idode (LED) lamps: | nitting diode (LED) lighting in each of the ally be capable of accepting fluorescent or | | | |
| at least 5 of the bedrooms / study; | | | | |
| A SERVICE STREET, SHELLON CONSERVACION STREET, SHELLON STREET, | | | ~ | ~ |
| Energy Commitments | | Show on DA plans | Show on CC/CDC plans & specs | Certifier |
| at least 3 of the living / dining rooms; | | | | |
| the kitchen; | | | • | • |
| | | | ~ | ~ |
| all bathrooms/toilets; | | | ~ | ~ |
| the laundry; | | | ~ | ~ |
| all hallways; | | | ✓ | ~ |
| Natural lighting | | | | |
| The applicant must install a window and/or skylight in 3 bathroom(s)/toilet(s) in the development | ent for natural lighting. | ~ | ~ | ~ |
| Other | | | | |
| The applicant must install a gas cooktop & electric oven in the kitchen of the dwelling. | | | ~ | |
| The applicant must construct each refrigerator space in the development so that it is "well verdefinitions. | ntilated", as defined in the BASIX | | _ | |
| The applicant must install a fixed outdoor clothes drying line as part of the development. | | | | + |
| - 1995 - | | | × | 1 |

QUOTE NUMBER

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REV

DATE

NATIONWIDE Dwelling Address: 63.4 MJ/m² www.nathers.gov.au

Certificate no.: Assessor Name: Accreditation no.: Certificate date: 28 Carawa Road Cromer, NSW 2099

www.nathers.gov.au

0004541082 lan Fry VIC/BDAV/12/1441 27 Jan 2020



| AREAS | |
|---------------|-----------------------|
| SITE: | 863.50 m ² |
| GROUND FLOOR: | 142.91 m² |
| FIRST FLOOR: | 153.23 m ² |
| GARAGE: | 34.17 m ² |
| PORCH: | 3.12 m ² |
| BALCONY: | m² |
| ALFRESCO: | 37.54 m ² |
| | m² |
| TOTAL: | 370.97 m² |

SHADOW ELEVATION 2.5 SHADOW ELEVATION

| | 1 | |
|--------|-------|-----------------------------|
| | 2.4 | NEIGHBOUR NOTIFICATION PLAN |
| | 2.3 | SHADOW DIAGRAM |
| | 2.2 | SITE ANALYSIS PLAN |
| | 2.1 | CONSTRUCTION MANAGEMENT |
| | | |
| | | |
| | | |
| | | |
| | | |
| | 10 | WET AREA DETAILS |
| | 9 | WET AREA DETAILS |
| | 8 | ELECTRICAL LAYOUT |
| | 7 | SECTION |
| M.H. | 6 | ELEVATIONS |
| M.H. | 5 | ELEVATIONS |
| PG/MH | 4 | FIRST FLOOR PLAN |
| PG./JS | 3 | GROUND FLOOR PLAN |
| PG. | 2 | SITE PLAN |
| PJ | 1 | COVER SHEET |
| BY | SHEET | DESCRIPTION |
| | | DA DDAWINGC |

Clarendon Homes

CLIENT'S SIGNATURE:

QUOTE

TILES CARPET

STAIRS

LANDSCAPE

HYDRAULICS

ENGINEER

PEG OUT

KITCHEN

ZURCORP ELECTRICAL

ZURCORP SECURITY

AIR CONDITIONING

Clarendon Homes (NSW) P/L 21 Solent Circuit, Baulkham Hills NSW 2153 T: (02) 8851 5300

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DATE:

PRODUCT: **BOSTON 36** Classic R/H Garage

DATE

21.01.20 PCV1

Sapphire Specification Master Issued: 27.06.18

10.03.20 EXTERNAL COLOURS, ADDITIONAL TREES TO BE REMOVED SHOWN

18.02.20 BED 2 DUCT DIMENSIONS ADDED

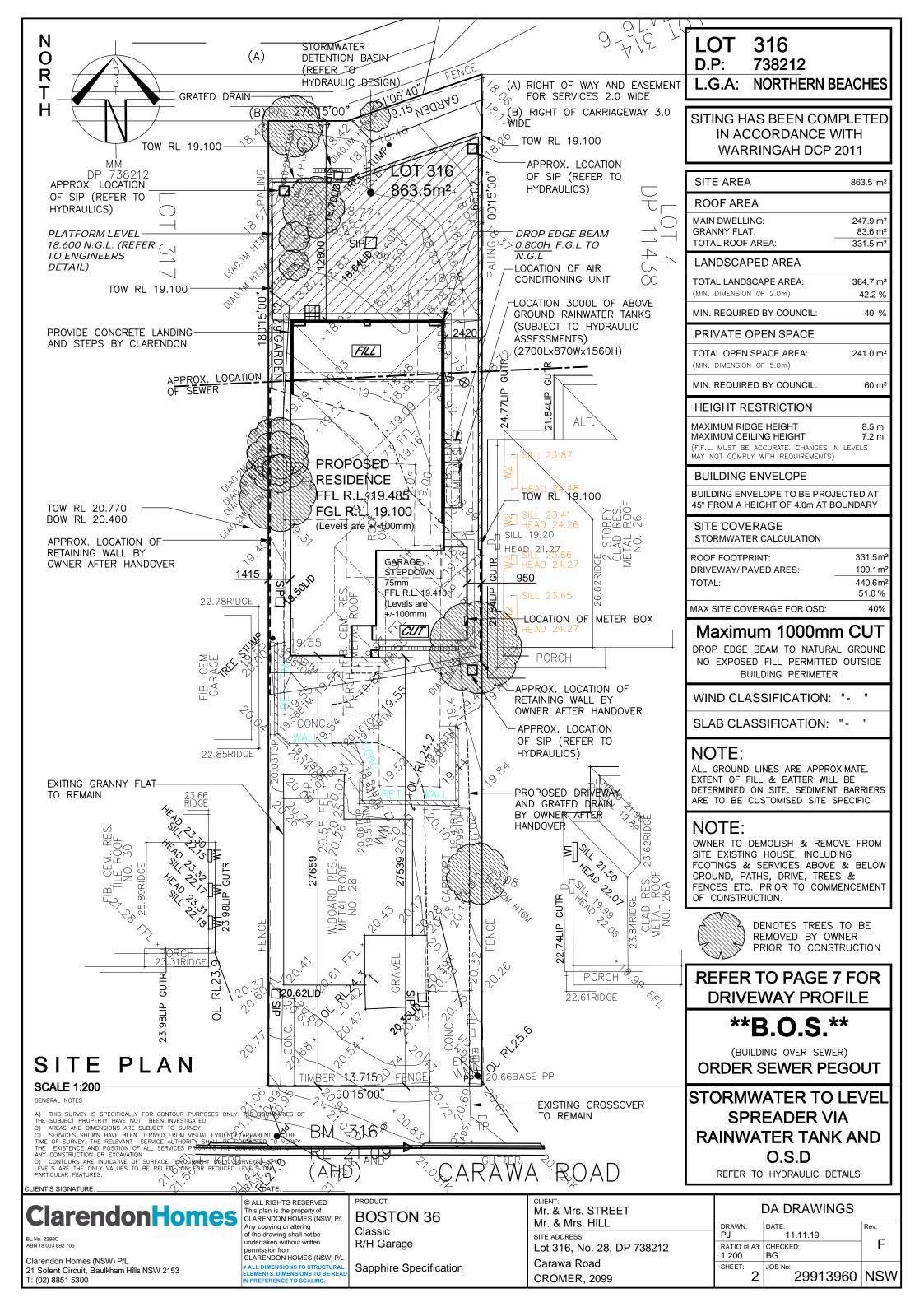
07.01.20 | CONTRACT DRAWINGS

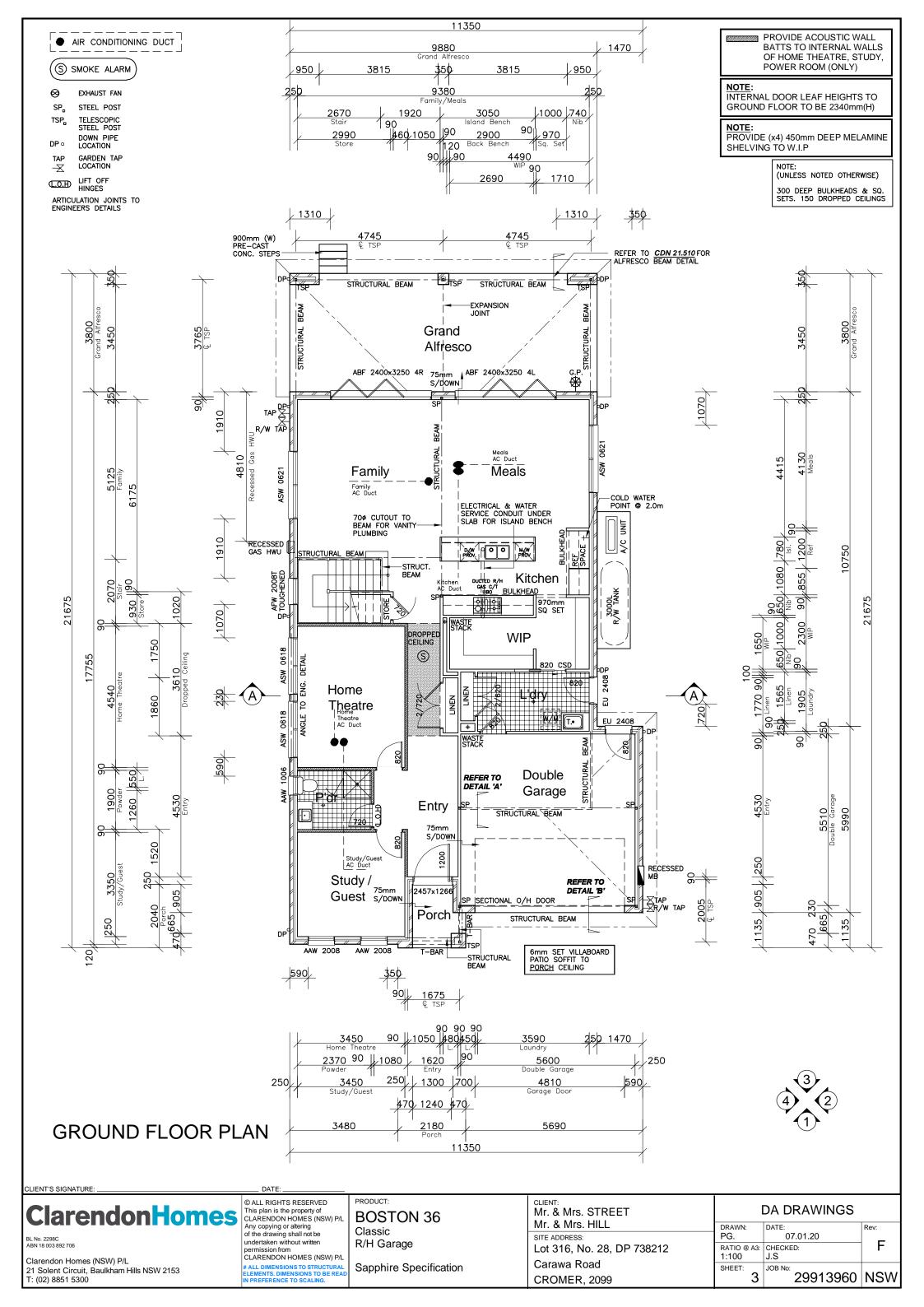
AMENDMENTS

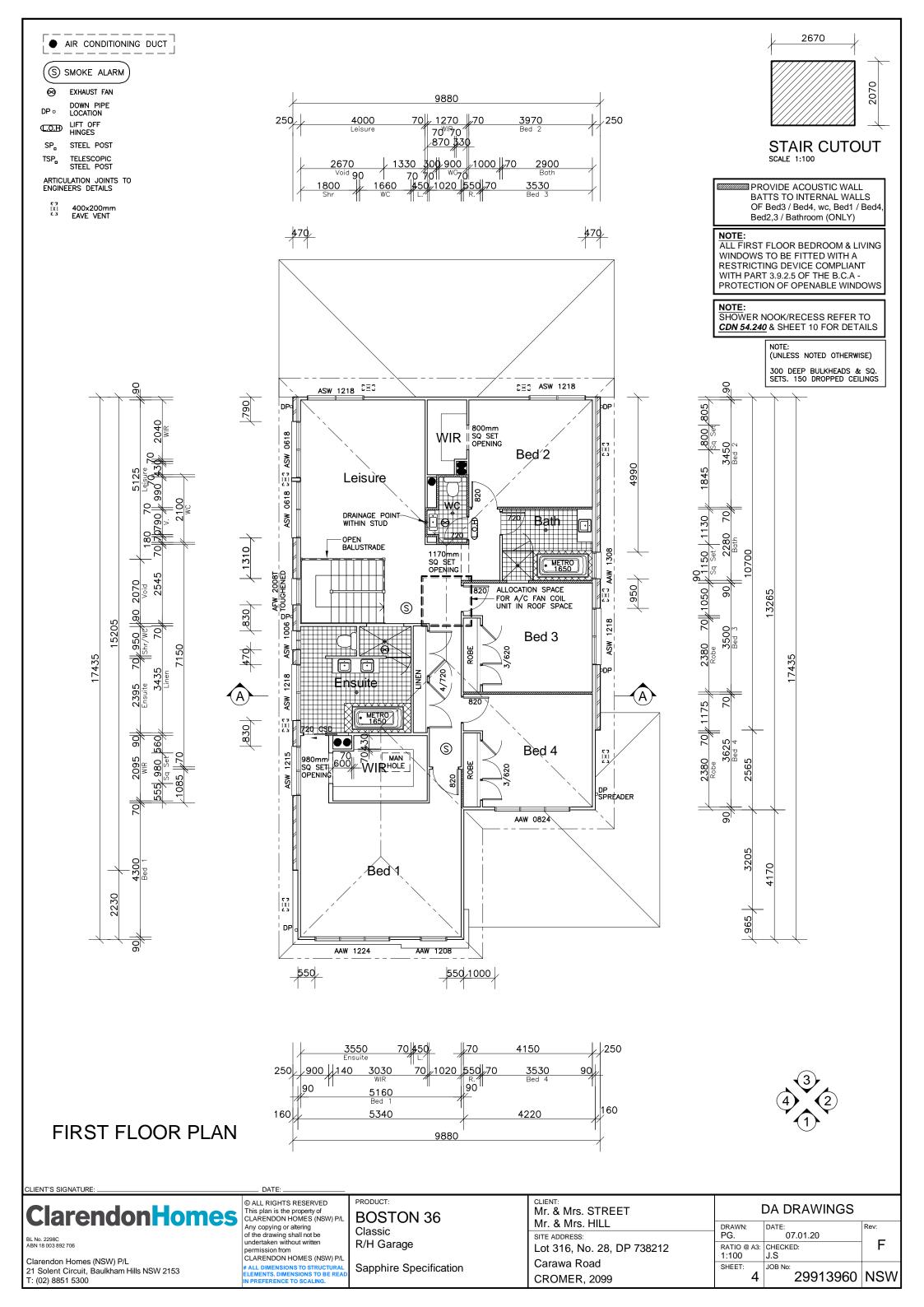
11.11.19 TENDER SITING

12.02.20 DA DRAWINGS, HYDRAULICS CO-ORDINATED

| CLIENT: Mr. & Mrs. STREET | DA DRAWINGS | | | |
|------------------------------|--------------------|-----------------|------|--|
| Mr. & Mrs. HILL | DRAWN: | DATE: | Rev: | |
| SITE ADDRESS: | PG. | 07.01.20 | _ | |
| Lot 316, No. 28, DP 738212 | RATIO @ A3: N\A | CHECKED: J.S | | |
| Carawa Road | SHEET: | JOB No: | | |
| CROMER, 2099 | 1 | 29913960 | NSW | |



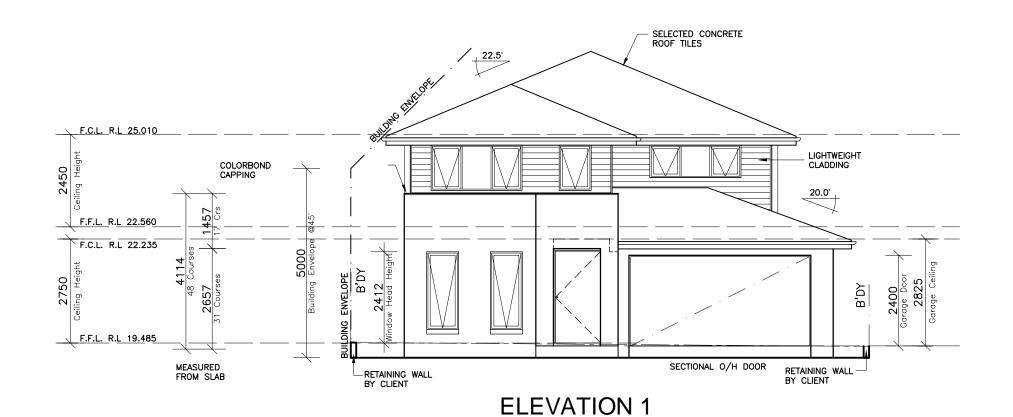


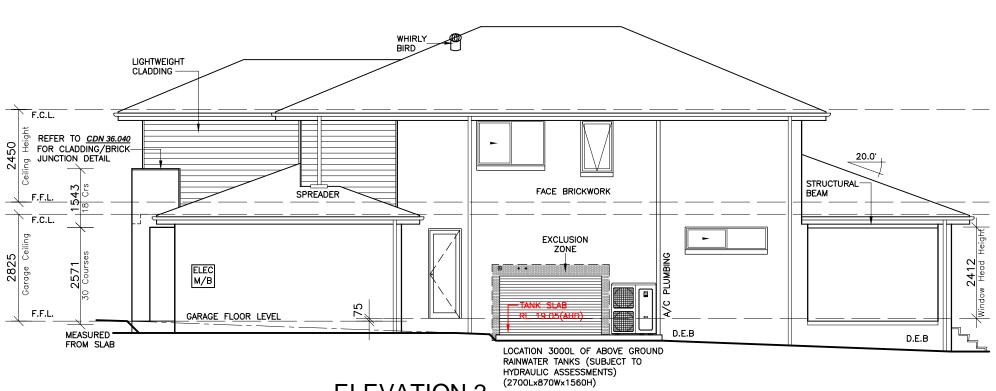


NOTES: FOR DROP-OFF's REFER TO FRAMING DETAILS CDN 21.010-21.080

NOTE:
HEIGHT OF DROP EDGE BEAM MAY
VARY DUE TO SITE CONDITIONS
UPON COMPLETION OF SITE WORKS

NUMBER OF STEPS REQUIRED MAY VARY DEPENDING ON SITE CONDITIONS





-SOUTH-

ELEVATION 2 -EAST-

CLIENT'S SIGNATURE:

Clarendon Homes

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PRODUCT: **BOSTON 36** Classic R/H Garage

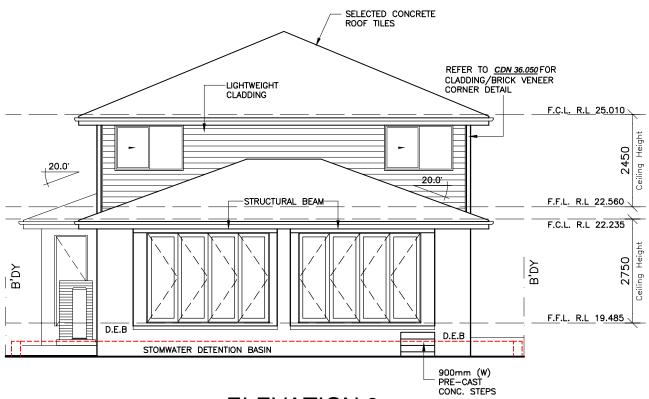
Sapphire Specification

DA DRAWINGS Mr. & Mrs. STREET Mr. & Mrs. HILL DRAWN: DATE: Rev: SITE ADDRESS: PG. 07.01.20 F RATIO @ A3: CHECKED: Lot 316, No. 28, DP 738212 1:100 J.S Carawa Road SHEET: JOB No: 29913960 NSW CROMER, 2099

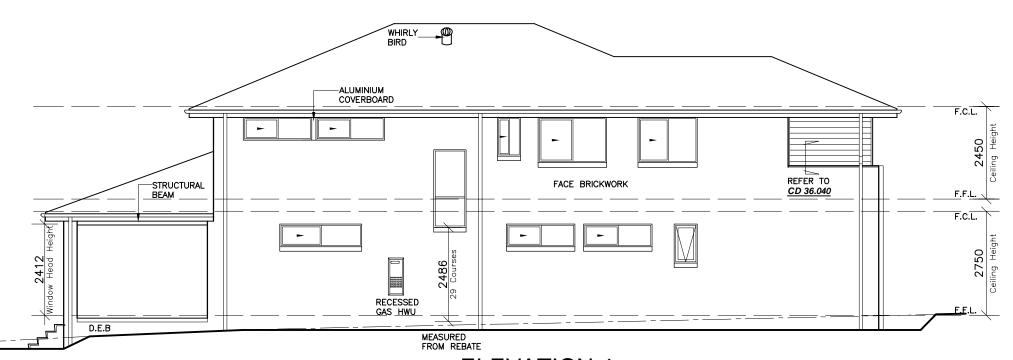
NOTES: FOR DROP-OFF's REFER TO FRAMING DETAILS CDN 21.010-21.080

NOTE:
HEIGHT OF DROP EDGE BEAM MAY
VARY DUE TO SITE CONDITIONS UPON COMPLETION OF SITE WORKS

NUMBER OF STEPS REQUIRED MAY VARY DEPENDING ON SITE CONDITIONS



ELEVATION 3 -NORTH-



ELEVATION 4 -WEST-

CLIENT'S SIGNATURE:

ClarendonHomes

Clarendon Homes (NSW) P/L 21 Solent Circuit, Baulkham Hills NSW 2153 T: (02) 8851 5300

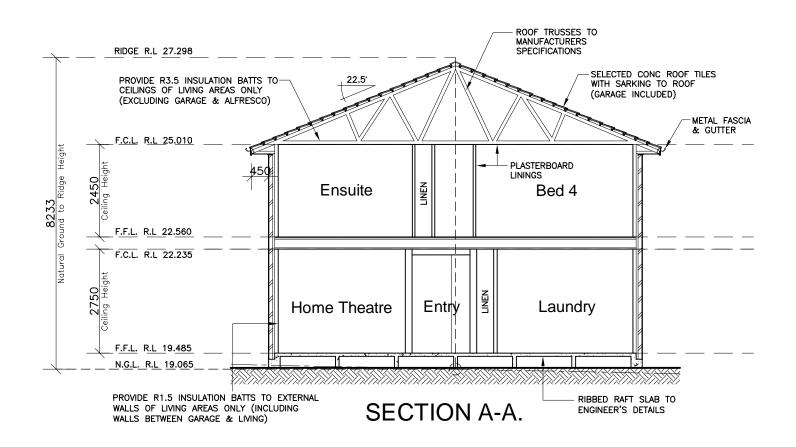
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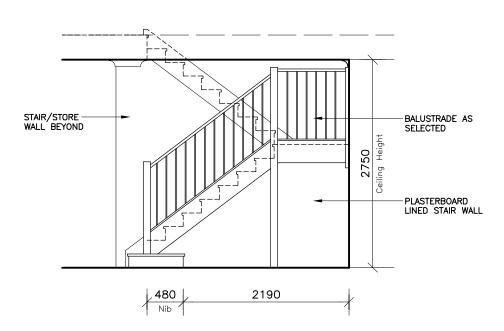
PRODUCT: **BOSTON 36** Classic R/H Garage

Sapphire Specification

DA DRAWINGS Mr. & Mrs. STREET Mr. & Mrs. HILL DRAWN: DATE: Rev: PG. 07.01.20 SITE ADDRESS: F RATIO @ A3: CHECKED: Lot 316, No. 28, DP 738212 1:100 J.S Carawa Road SHEET: JOB No: 29913960 NSW CROMER, 2099

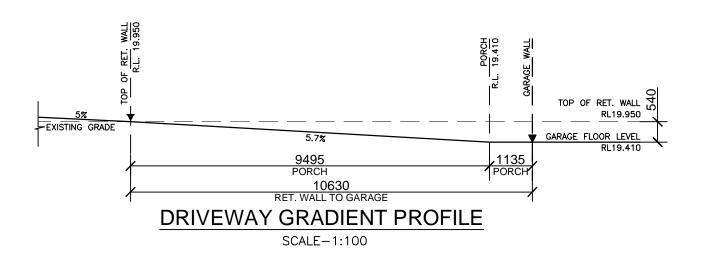
NOTE: INTERNAL DOOR LEAF HEIGHTS TO GROUND FLOOR TO BE 2340mm(H)





STAIR ELEVATION

SCALE 1:50



CLIENT'S SIGNATURE

_ DATE:

Clarendon Homes

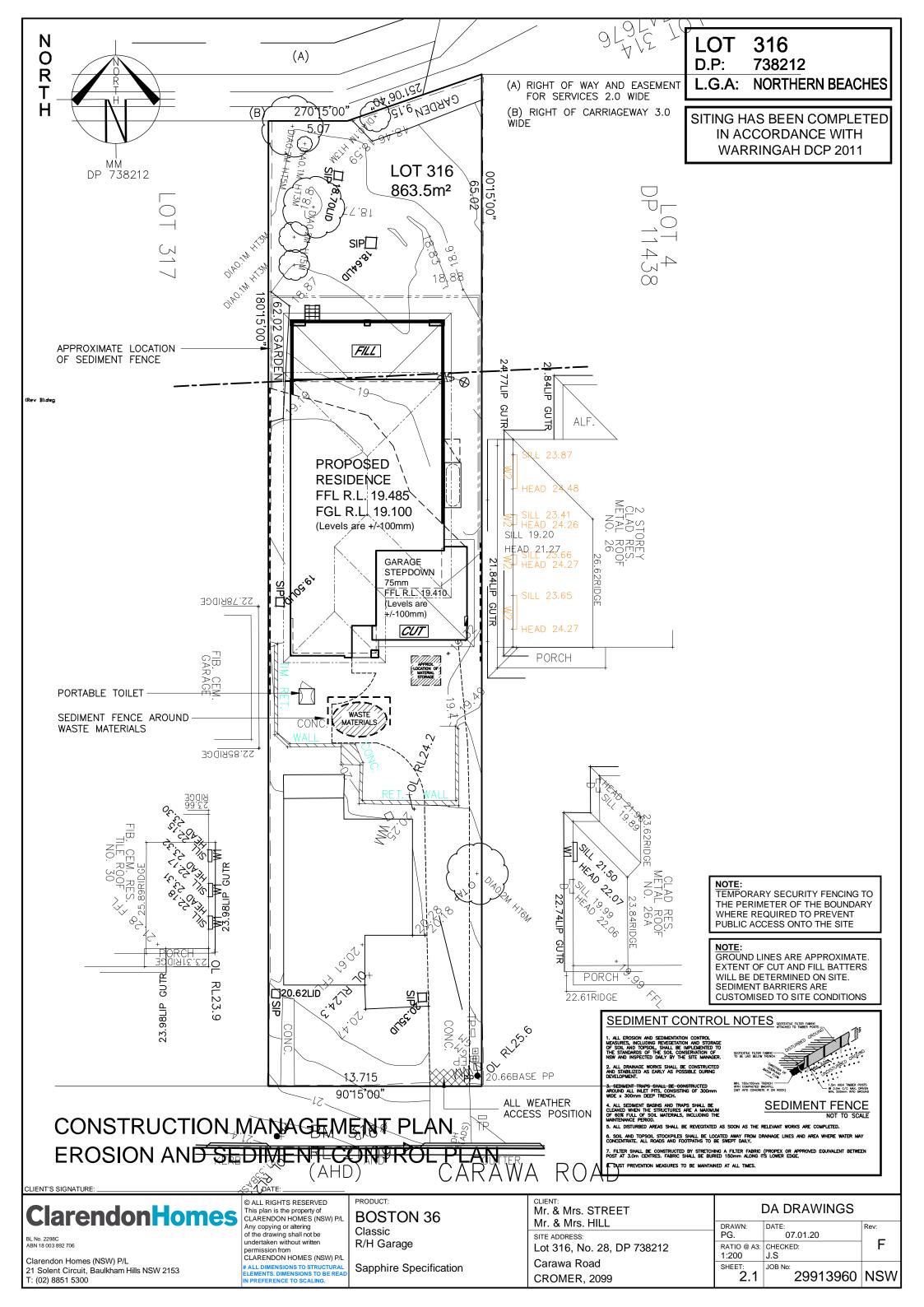
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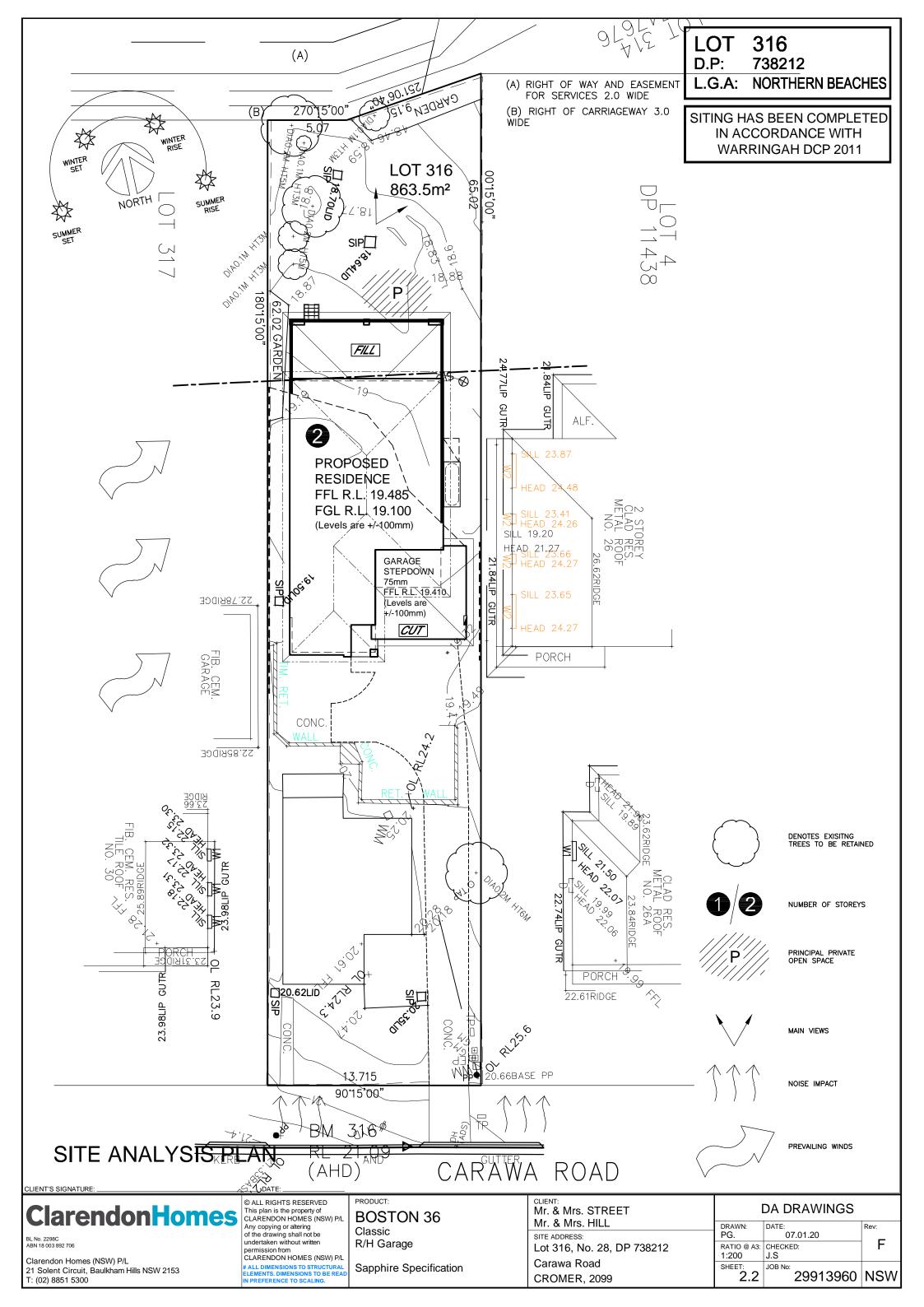
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ALL DIMENSIONS TO STRUCTURAL
ELEMENTS. DIMENSIONS TO BE READ
IN PREFERENCE TO SCALING.

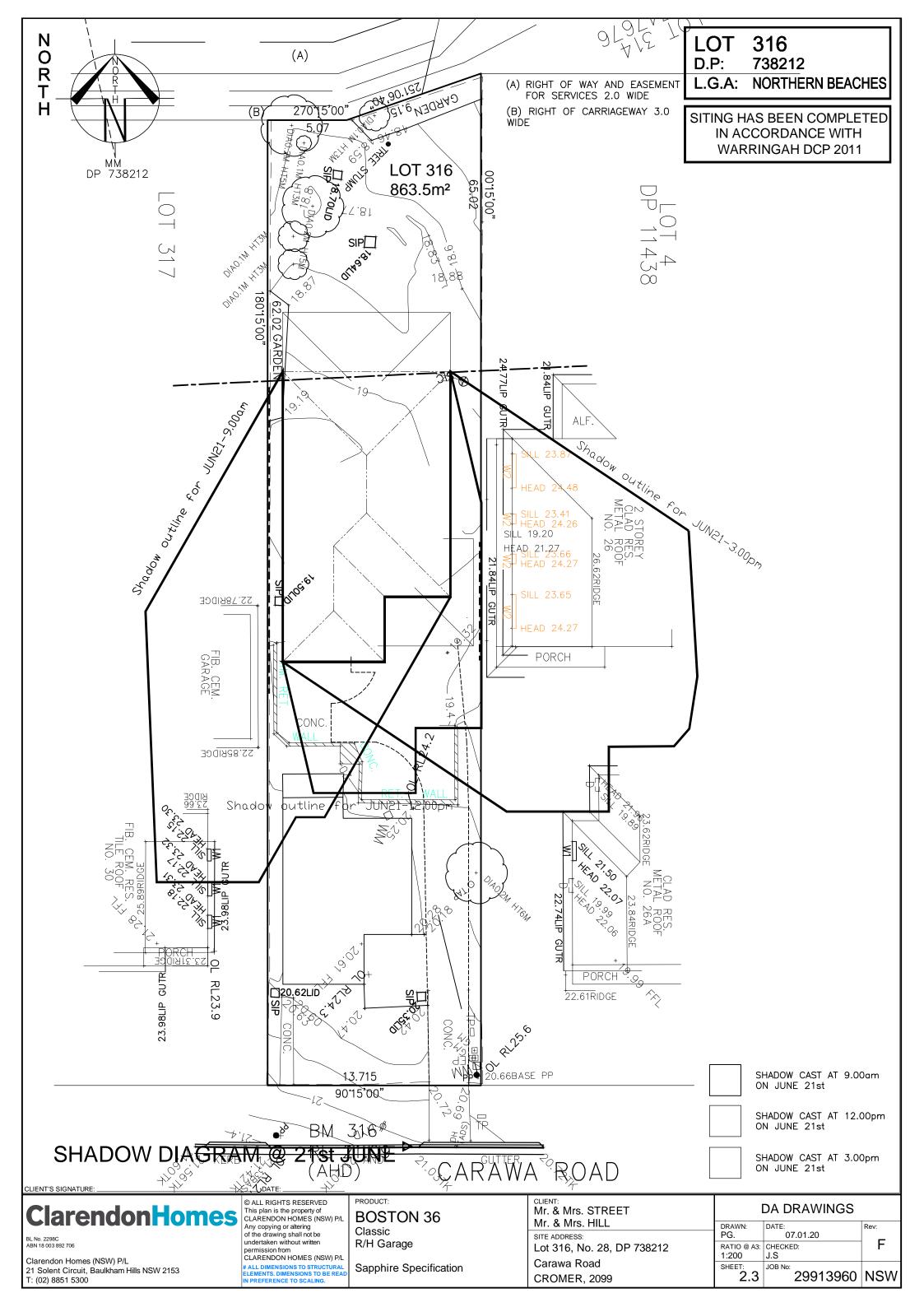
PRODUCT:
BOSTON 36
Classic
R/H Garage

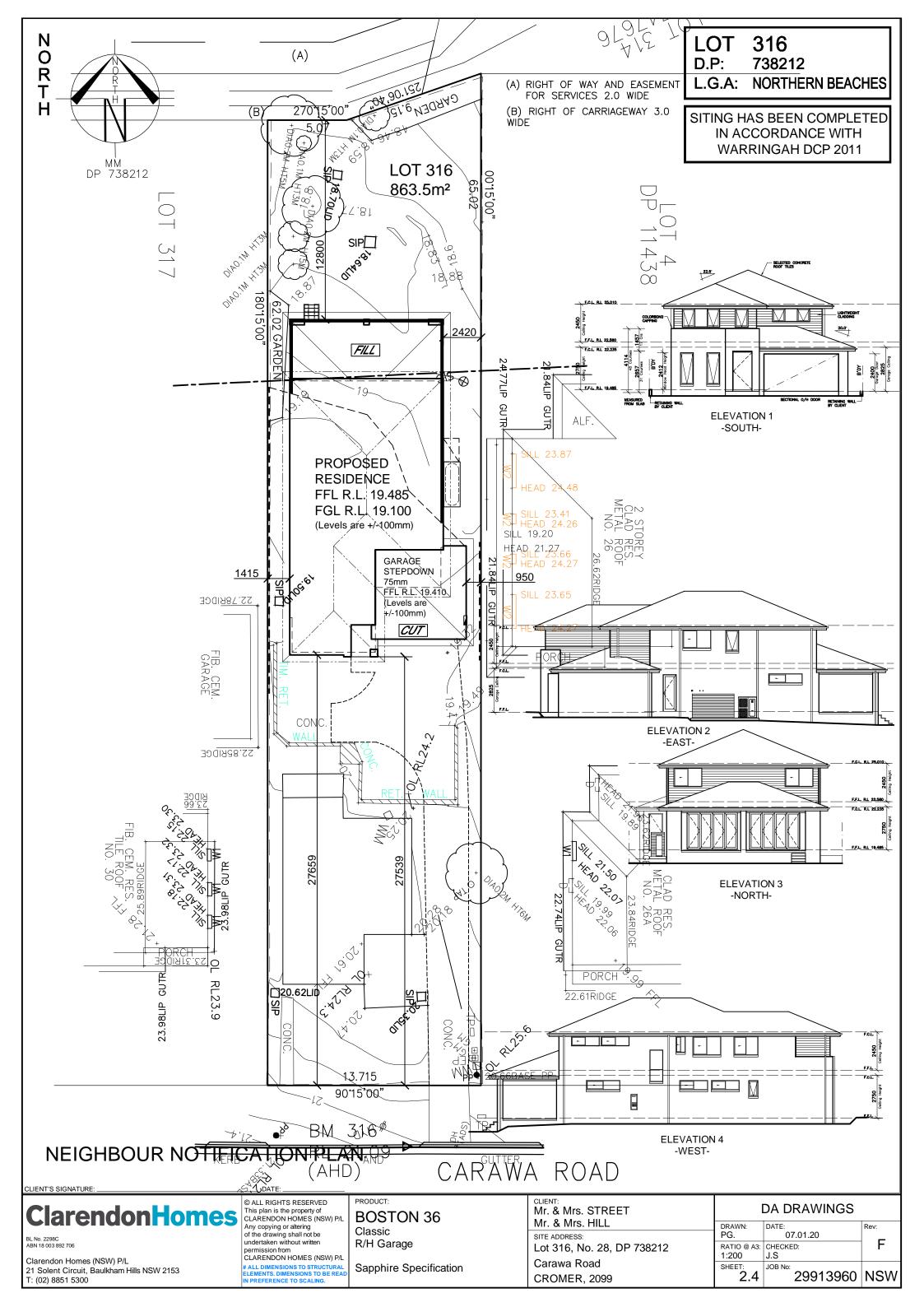
Sapphire Specification

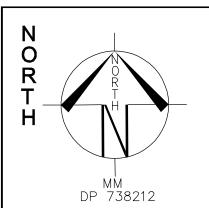
DA DRAWINGS Mr. & Mrs. STREET Mr. & Mrs. HILL DRAWN: DATE: Rev: PG. 07.01.20 SITE ADDRESS: F Lot 316, No. 28, DP 738212 RATIO @ A3: CHECKED: 1:100 J.S Carawa Road SHEET: JOB No: 29913960 NSW CROMER, 2099







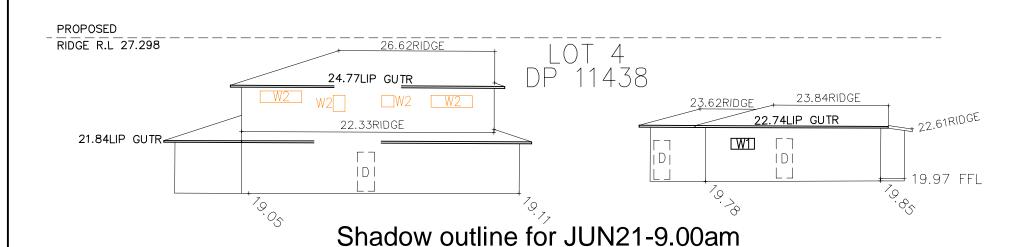


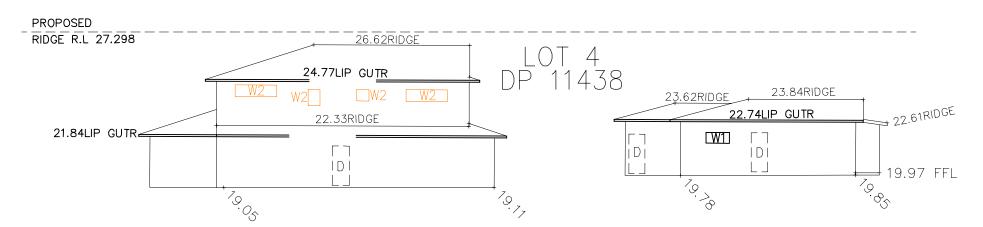


LOT 316 D.P: 738212

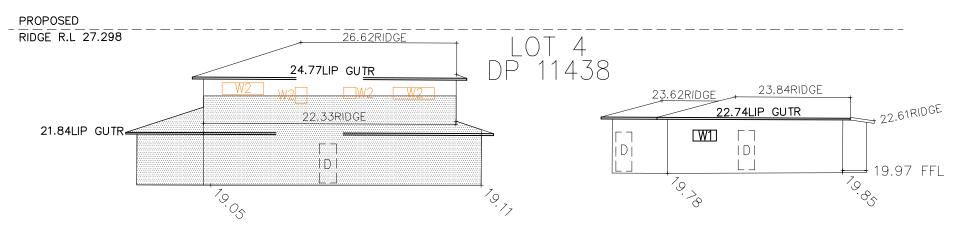
L.G.A: NORTHERN BEACHES

SITING HAS BEEN COMPLETED IN ACCORDANCE WITH WARRINGAH DCP 2011



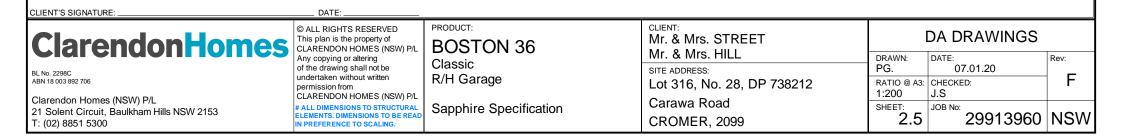


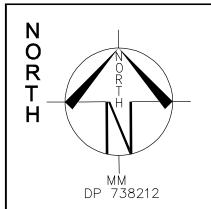
Shadow outline for JUN21-12.00pm



Shadow outline for JUN21-3.00pm

ELEVATIONAL SHADOWS @ 21st JUNE

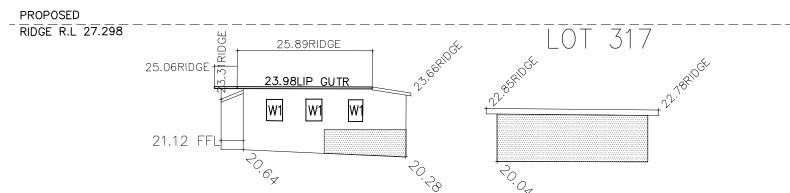




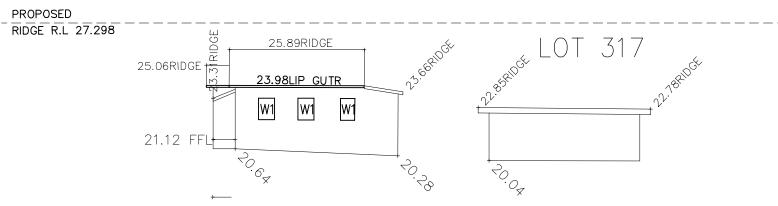
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L.G.A: NORTHERN BEACHES

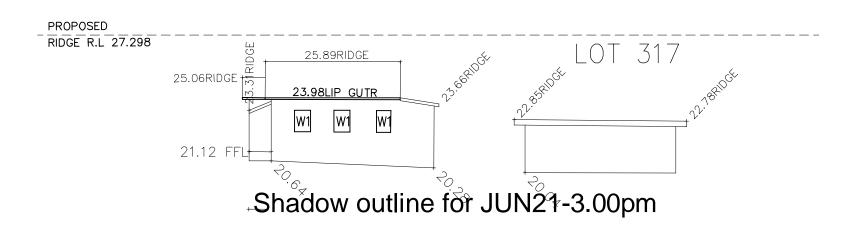
SITING HAS BEEN COMPLETED IN ACCORDANCE WITH WARRINGAH DCP 2011



Shadow outline for JUN21-9.00am



Shadow outline for JUN21-12.00pm



ELEVATIONAL SHADOWS @ 21st JUNE

