

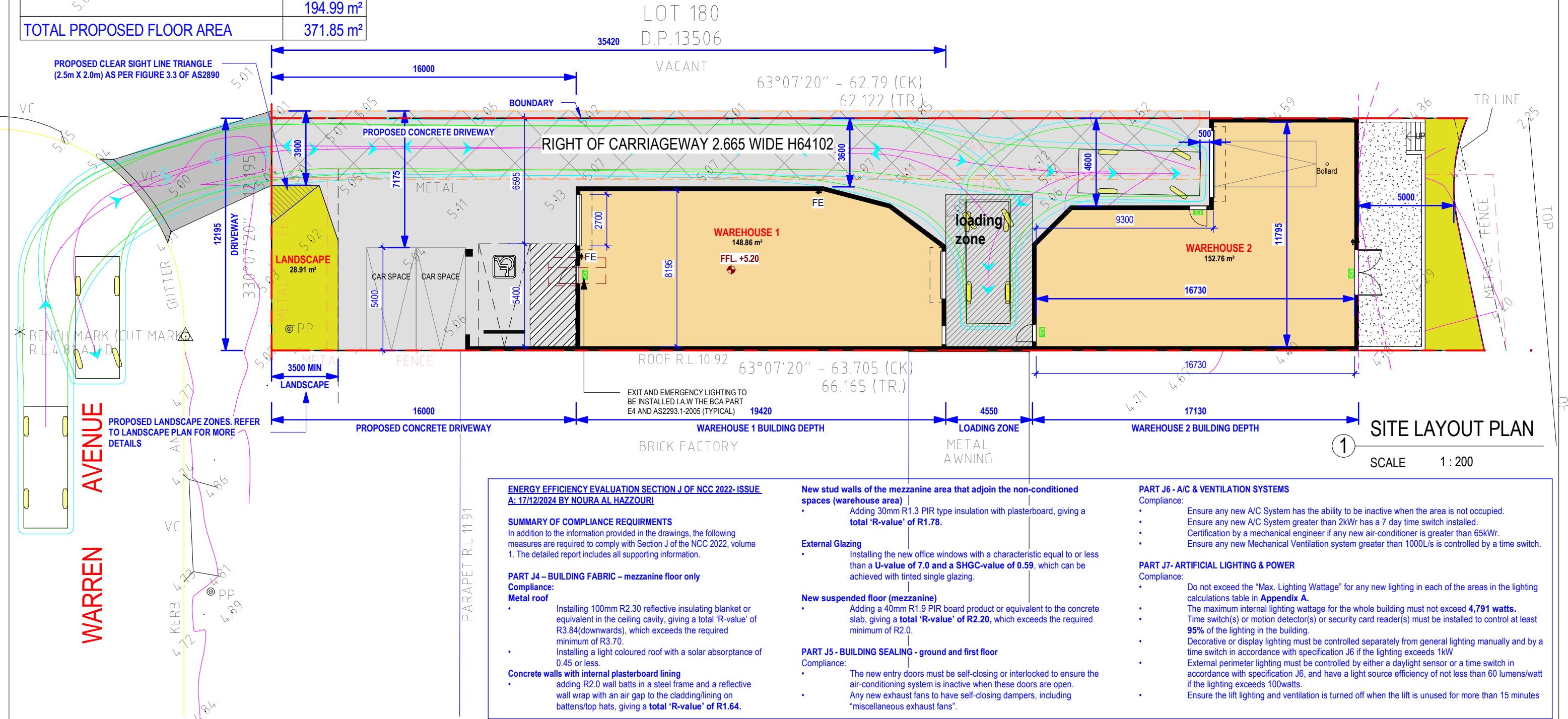
AREA CALCULATION

No. 5 WARREN AVENUE, BANKSTOWN 2200
LOT 181 DP13506

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|------------------|---------------------|
| SITE AREA | 771.4m ² |
| REQUIRED FST 1:1 | 771.4m ² |

| | LEVEL | AREA |
|---------------------------|--------------|-----------------------|
| WAREHOUSE 1 | GROUND FLOOR | 148.86 m ² |
| WAREHOUSE 1 | MEZZANINE | 28.00 m ² |
| | | 176.86 m ² |
| WAREHOUSE 2 | GROUND FLOOR | 152.76 m ² |
| WAREHOUSE 2 | MEZZANINE | 42.22 m ² |
| | | 194.99 m ² |
| TOTAL PROPOSED FLOOR AREA | | 371.85 m ² |

PROPOSED WAREHOUSE
5 WARREN AVENUE BANKSTOWN 2200
LOT 181 DP13506



1 SITE LAYOUT PLAN
SCALE 1 : 200

ENERGY EFFICIENCY EVALUATION SECTION J OF NCC 2022- ISSUE A: 17/12/2024 BY NOURA AL HAZZOURI

SUMMARY OF COMPLIANCE REQUIREMENTS
In addition to the information provided in the drawings, the following measures are required to comply with Section J of the NCC 2022, volume 1. The detailed report includes all supporting information.

- PART J4 – BUILDING FABRIC – mezzanine floor only**
Compliance:
Metal roof
- Installing 100mm R2.30 reflective insulating blanket or equivalent in the ceiling cavity, giving a total 'R-value' of R3.84(downwards), which exceeds the required minimum of R3.70.
 - Installing a light coloured roof with a solar absorptance of 0.45 or less.
- Concrete walls with internal plasterboard lining**
- adding R2.0 wall batts in a steel frame and a reflective wall wrap with an air gap to the cladding/lining on battens/top hats, giving a **total 'R-value' of R1.64.**

- New stud walls of the mezzanine area that adjoin the non-conditioned spaces (warehouse area)**
- Adding 30mm R1.3 PIR type insulation with plasterboard, giving a **total 'R-value' of R1.78.**
- External Glazing**
- Installing the new office windows with a characteristic equal to or less than a **U-value of 7.0 and a SHGC-value of 0.59**, which can be achieved with tinted single glazing.
- New suspended floor (mezzanine)**
- Adding a 40mm R1.9 PIR board product or equivalent to the concrete slab, giving a **total 'R-value' of R2.20**, which exceeds the required minimum of R2.0.
- PART J5 - BUILDING SEALING - ground and first floor**
Compliance:
- The new entry doors must be self-closing or interlocked to ensure the air-conditioning system is inactive when these doors are open.
 - Any new exhaust fans to have self-closing dampers, including "miscellaneous exhaust fans".

- PART J6 - A/C & VENTILATION SYSTEMS**
Compliance:
- Ensure any new A/C System has the ability to be inactive when the area is not occupied.
 - Ensure any new A/C System greater than 2kW_r has a 7 day time switch installed.
 - Certification by a mechanical engineer if any new air-conditioner is greater than 65kW_r.
 - Ensure any new Mechanical Ventilation system greater than 1000L/s is controlled by a time switch.
- PART J7- ARTIFICIAL LIGHTING & POWER**
Compliance:
- Do not exceed the "Max. Lighting Wattage" for any new lighting in each of the areas in the lighting calculations table in **Appendix A**.
 - The maximum internal lighting wattage for the whole building must not exceed **4,791 watts**.
 - Time switch(es) or motion detector(s) or security card reader(s) must be installed to control at least **95%** of the lighting in the building.
 - Decorative or display lighting must be controlled separately from general lighting manually and by a time switch in accordance with specification J6 if the lighting exceeds 1kW
 - External perimeter lighting must be controlled by either a daylight sensor or a time switch in accordance with specification J6, and have a light source efficiency of not less than 60 lumens/watt if the lighting exceeds 100watts.
 - Ensure the lift lighting and ventilation is turned off when the lift is unused for more than 15 minutes

NOTES
1. ALL DIMENSIONS AND FLOOR AREAS TO BE VERIFIED BY THE SURVEYOR PRIOR TO THE COMMENCEMENT OF ANY BUILDING WORK.
2. LEVELS SHOWN ARE APPROXIMATE UNLESS ACCOMPANIED BY REDUCED LEVELS BY A REGISTERED SURVEYOR.
3. FIGURED DIMENSIONS ARE TO BE TAKEN IN PREFERENCE TO SCALING.
4. ALL BOUNDARY CLEARANCES MUST BE VERIFIED BY THE SURVEYOR PRIOR TO THE COMMENCEMENT OF ANY BUILDING WORK.
5. WHERE ENGINEERING OR HYDRAULIC DRAWINGS ARE REQUIRED, SUCH MUST TAKE PREFERENCE TO THIS DRAWING.
6. STORMWATER TO BE CONNECTED AND DISCHARGED TO COUNCIL'S REQUIREMENTS AND TO AS 3500.3.1990
7. ALL SERVICES TO BE LOCATED AND VERIFIED BY THE BUILDER WITH THE RELEVANT AUTHORITIES PRIOR TO THE COMMENCEMENT OF ANY BUILDING WORK

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| A | KN | ISSUED FOR CDC APPROVAL | 18.12.2024 |
| REV | BY | AMENDMENT | DATE |

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| PROJECT | PROPOSED WAREHOUSE 5 WARREN AVENUE BANKSTOWN 2200 LOT 181 DP13506 |
| CLIENT | ENLETTO Pty. Ltd. |
| TITLE | SITE PLAN |

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|------------------------------|----------|---------|
| CANTERBURY-BANKSTOWN COUNCIL | | |
| | DESIGNED | CHECKED |
| | G.M | G.M |
| | DRAWN | LT |
| | SCALE | @ A3 |
| SURVEY REFERENCE | SCALE | 1 : 200 |
| | JOB No | 24063 |
| DRAWING NUMBER | REVISION | A |
| | | |
| 1.101 | | |