

PROJECT STATUS **PRELIMINARY**

| 3 25.11.24 DEVELOPMENT APPLICATION 4 03.12.24 DEVELOPMENT APPLICATION | No | Date | Description | В |
|--|----|----------|-------------------------|---|
| 3 25.11.24 DEVELOPMENT APPLICATION 4 03.12.24 DEVELOPMENT APPLICATION | 1 | 26.08.24 | DEVELOPMENT APPLICATION | |
| 4 03.12.24 DEVELOPMENT APPLICATION | 2 | 03.09.24 | DEVELOPMENT APPLICATION | |
| | 3 | 25.11.24 | DEVELOPMENT APPLICATION | |
| 6 05 12 24 DEVELOPMENT APPLICATION | 4 | 03.12.24 | DEVELOPMENT APPLICATION | |
| | 5 | 05.12.24 | DEVELOPMENT APPLICATION | |
| | | | | |

| PROJECT TITLE MANLY WHARF ALTERATIONS |
|---------------------------------------|
| PROJECT ADDRESS MANLY WHARF |
| DRAWING TITLE |
| ELEVATIONS - PROPOSED |

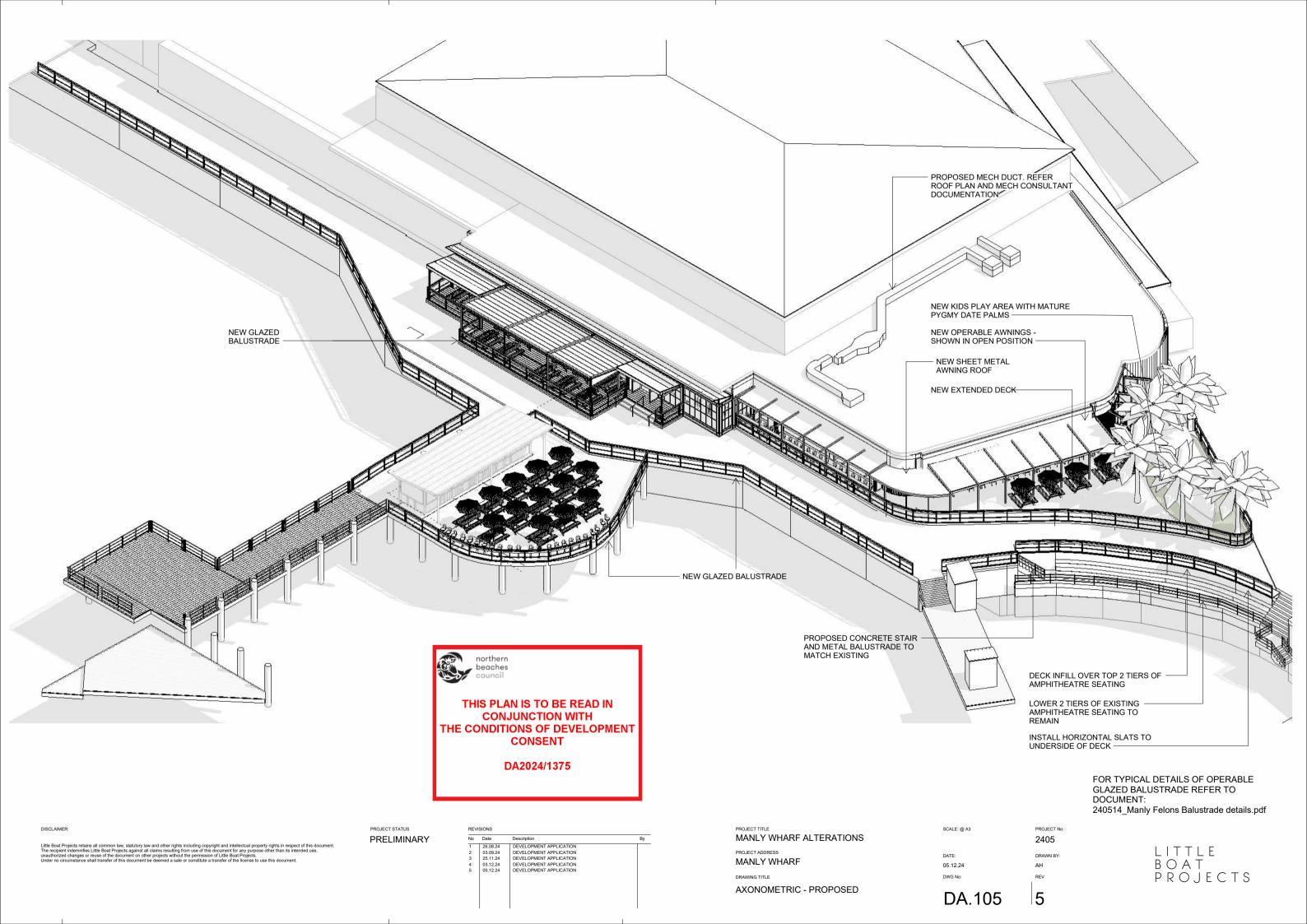
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|----------------------|------|-------------|
| DATE: | | DRAWN BY: |
| 05.12.24 | | AH |
| DWG No: | | REV |
| | | |

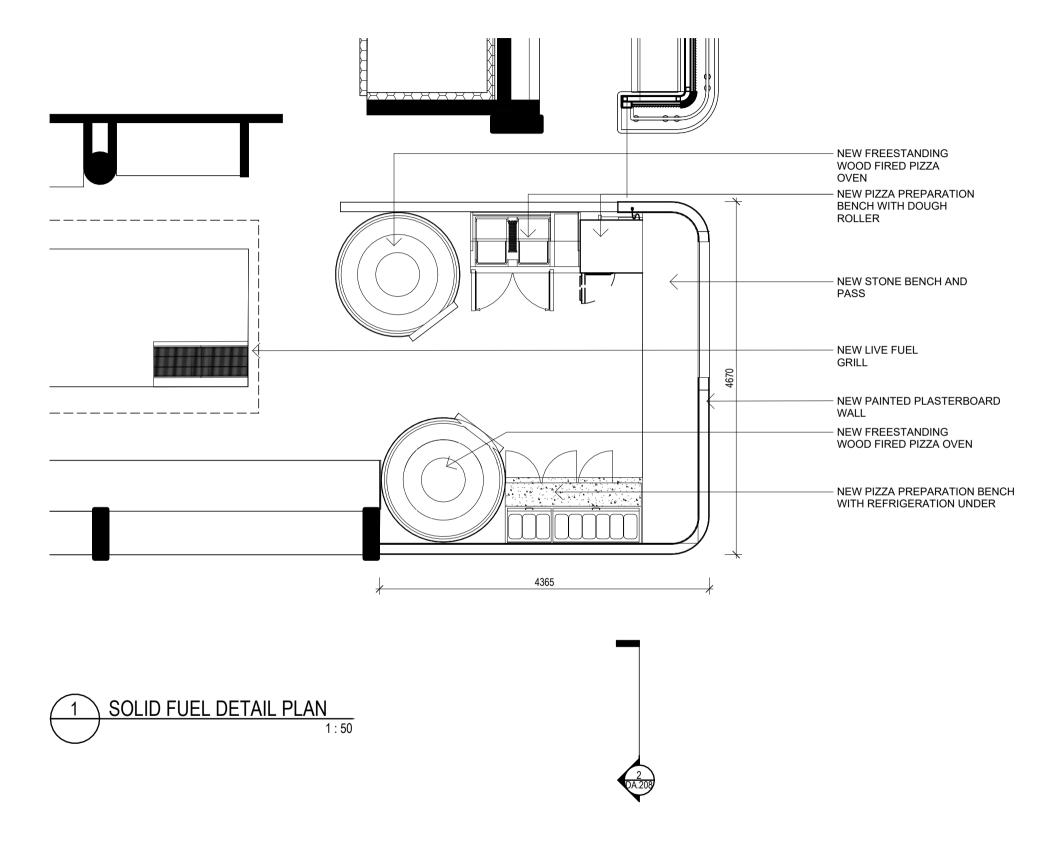
LITTLE BOAT PROJECTS

| 1 | 26.08.24 | DEVELOPMENT APPLICATION |
|---|----------|-------------------------|
| 2 | 03.09.24 | DEVELOPMENT APPLICATION |
| 3 | 25.11.24 | DEVELOPMENT APPLICATION |
| 4 | 03.12.24 | DEVELOPMENT APPLICATION |
| 5 | 05.12.24 | DEVELOPMENT APPLICATION |
| | | |

DA.104

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northern beaches council

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PRELIMINARY

No Date Description By
1 26.08.24 DEVELOPMENT APPLICATION

PROJECT TITLE
MANLY WHARF ALTERATIONS
PROJECT ADDRESS
MANLY WHARF
DRAWING TITLE

SOLID FUEL DETAIL PLAN

SCALE: @ A3
1:50

DATE:
26.06.24

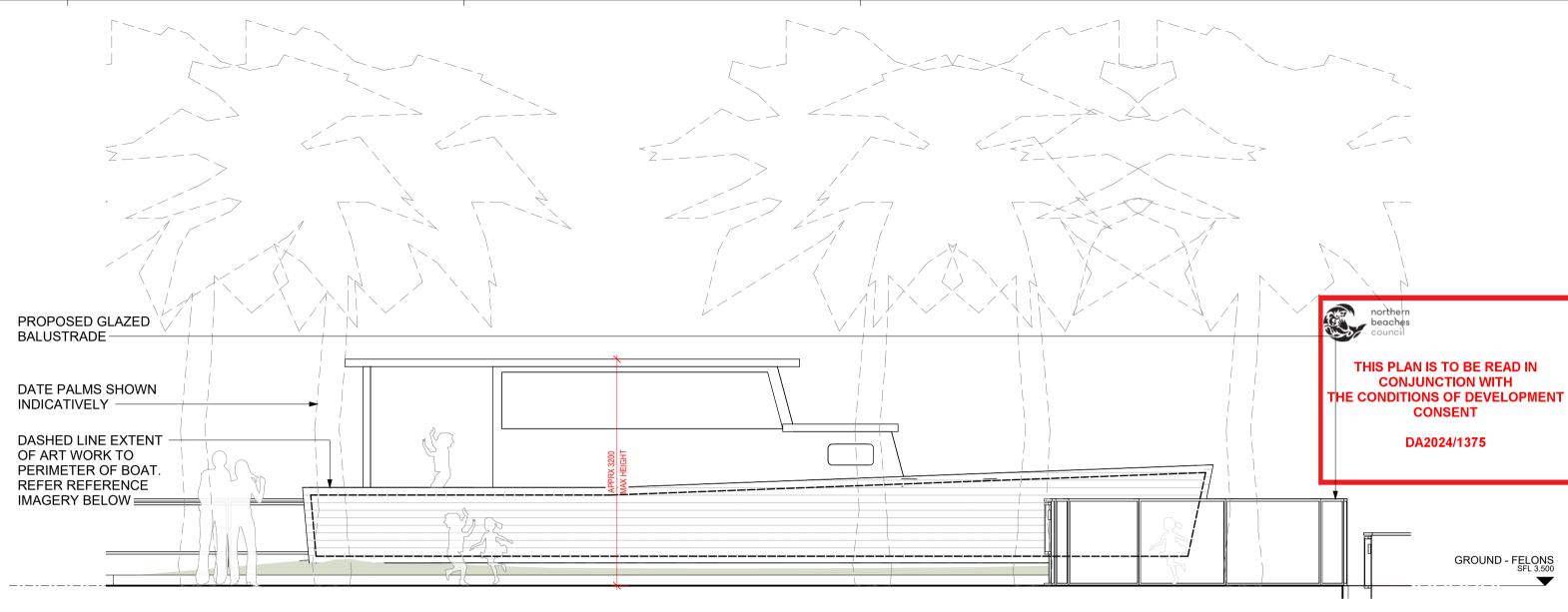
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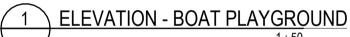
DA.205

2405

DRAWN BY:
AH
REV

LITTLE BOAT PROJECTS











REFERENCE IMAGERY:

COLOURFUL, ABSTRACT, KID-FRIENDLY ARTWORK PAINTED OVER TIMBER BOAT LINING, WITH THE NATURAL TEXTURE OF THE TIMBER REMAINING

PROJECT STATUS PRELIMINARY

| _ | REVISIONS | | | | |
|----|-----------|-------------------------|----|--|--|
| No | Date | Description | By | | |
| 1 | 26.08.24 | DEVELOPMENT APPLICATION | | | |

| PROJECT TITLE MANLY WHARF ALTERATION | IS |
|--------------------------------------|----|
| PROJECT ADDRESS MANLY WHARF | |

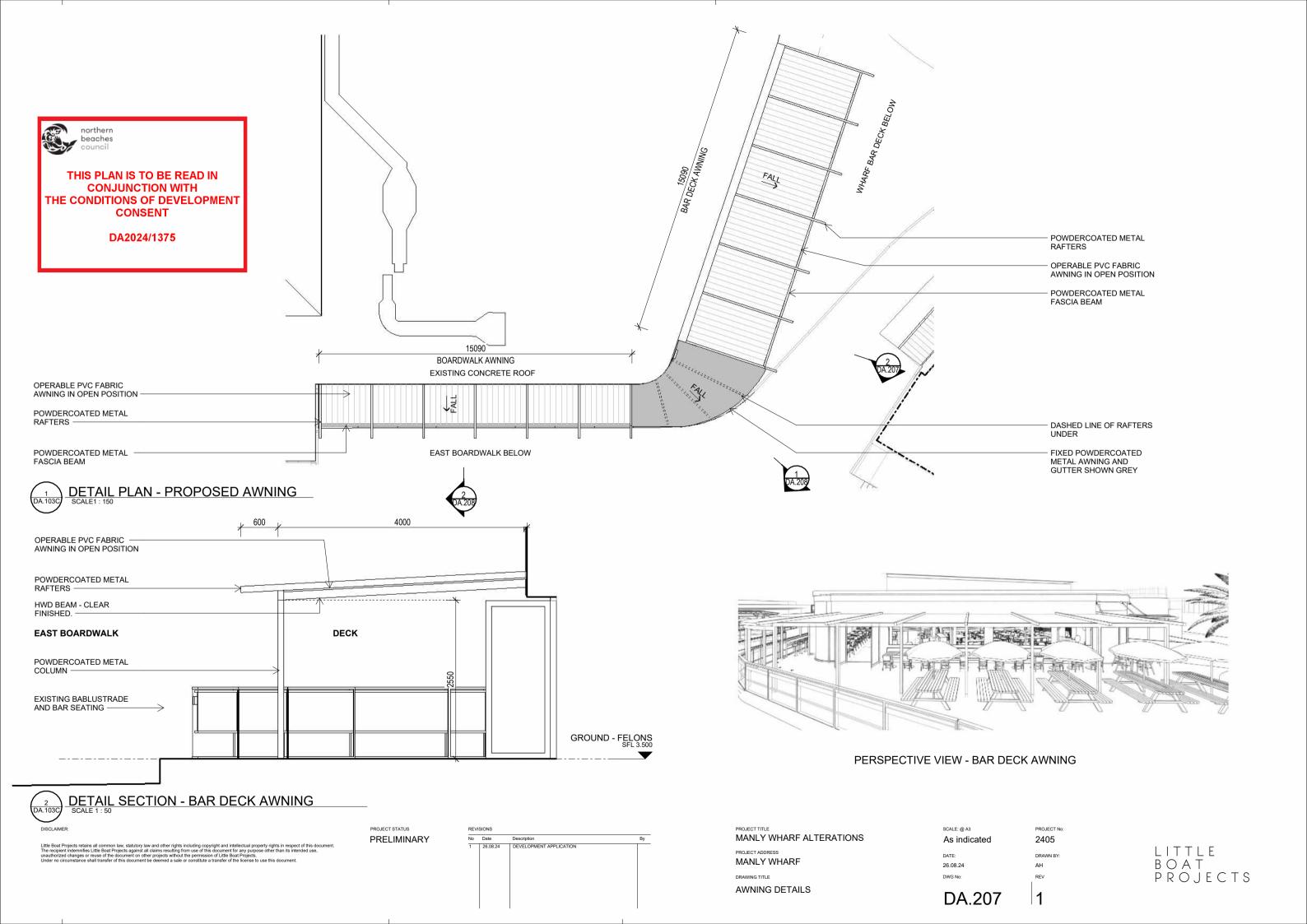
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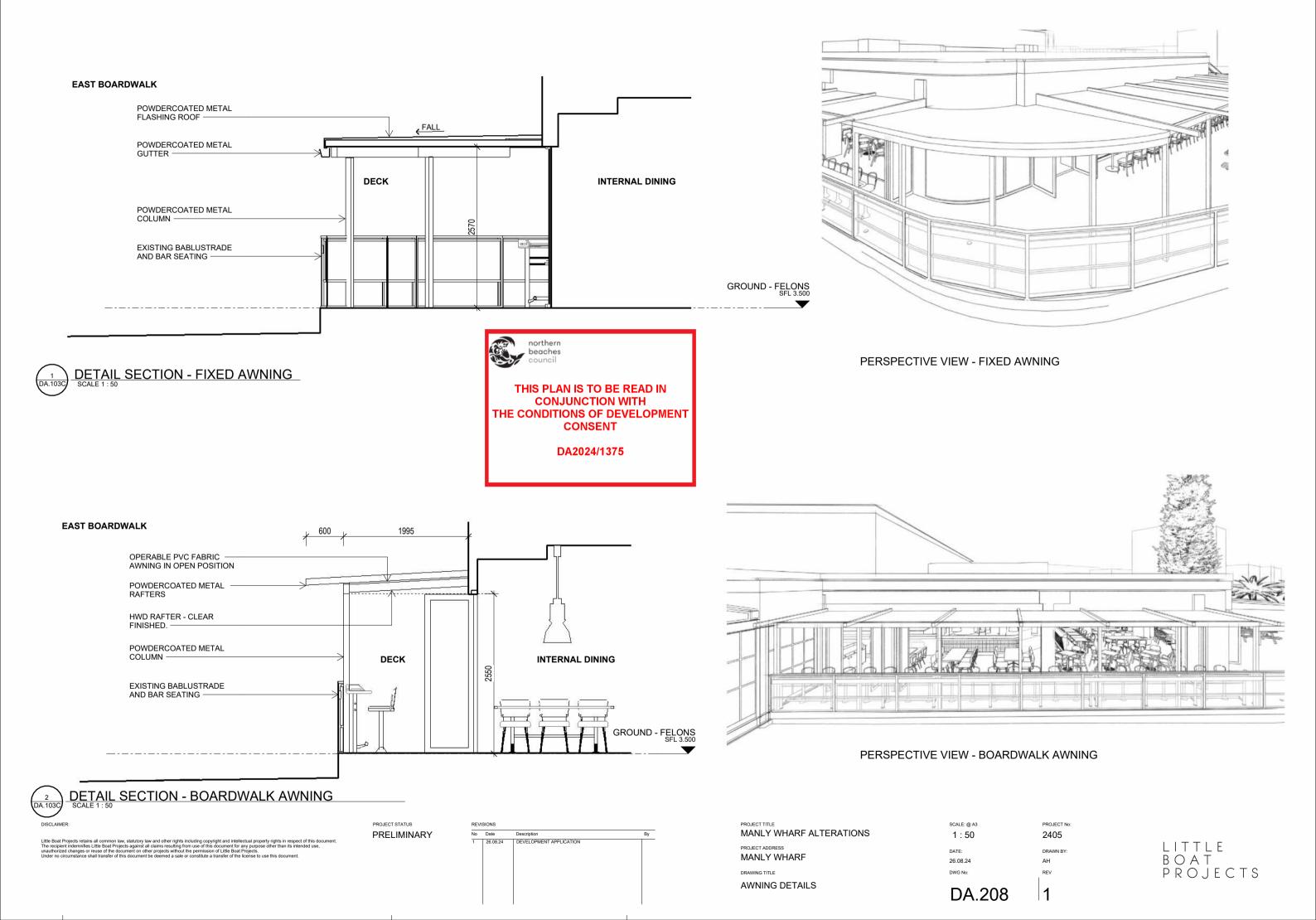
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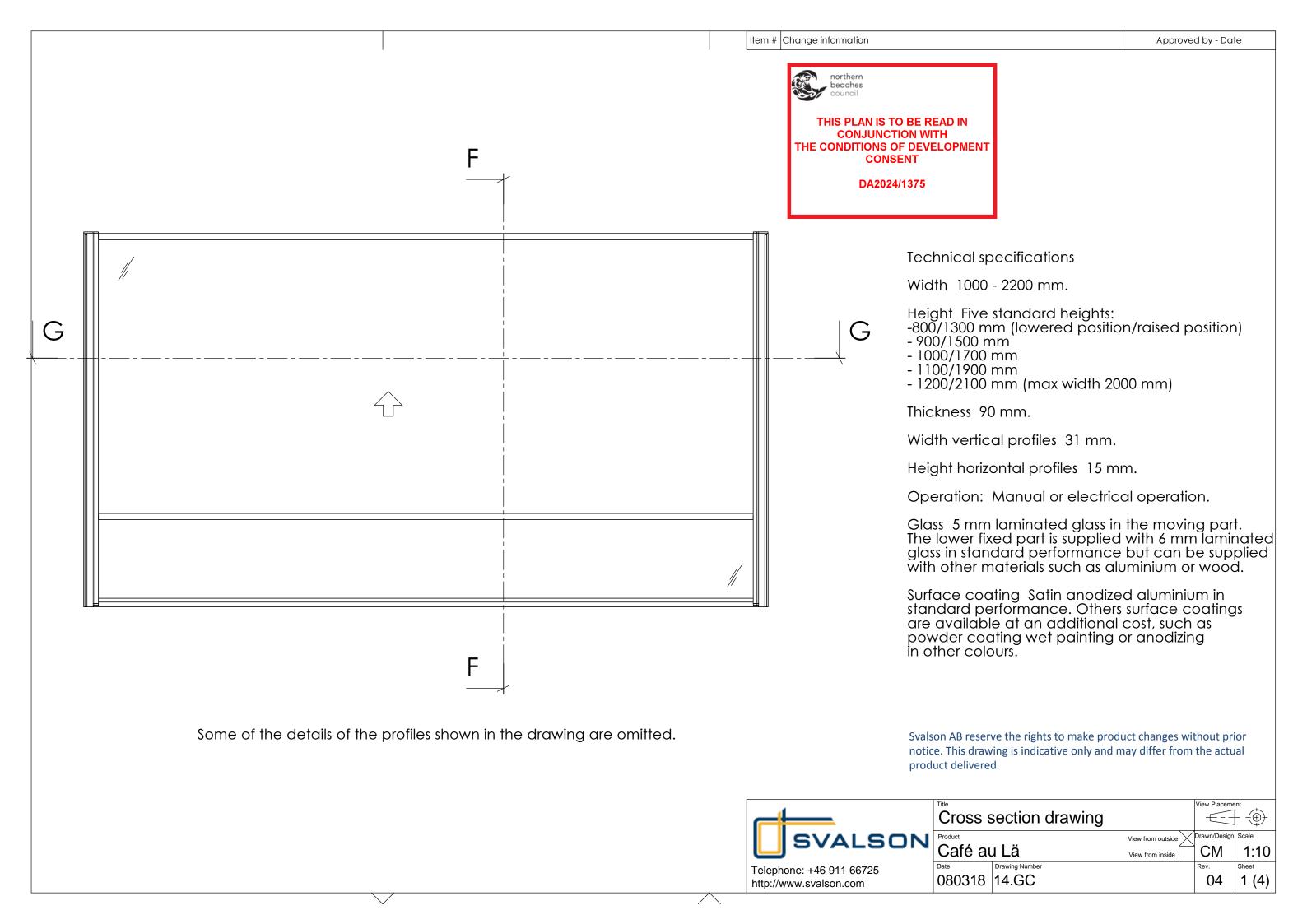
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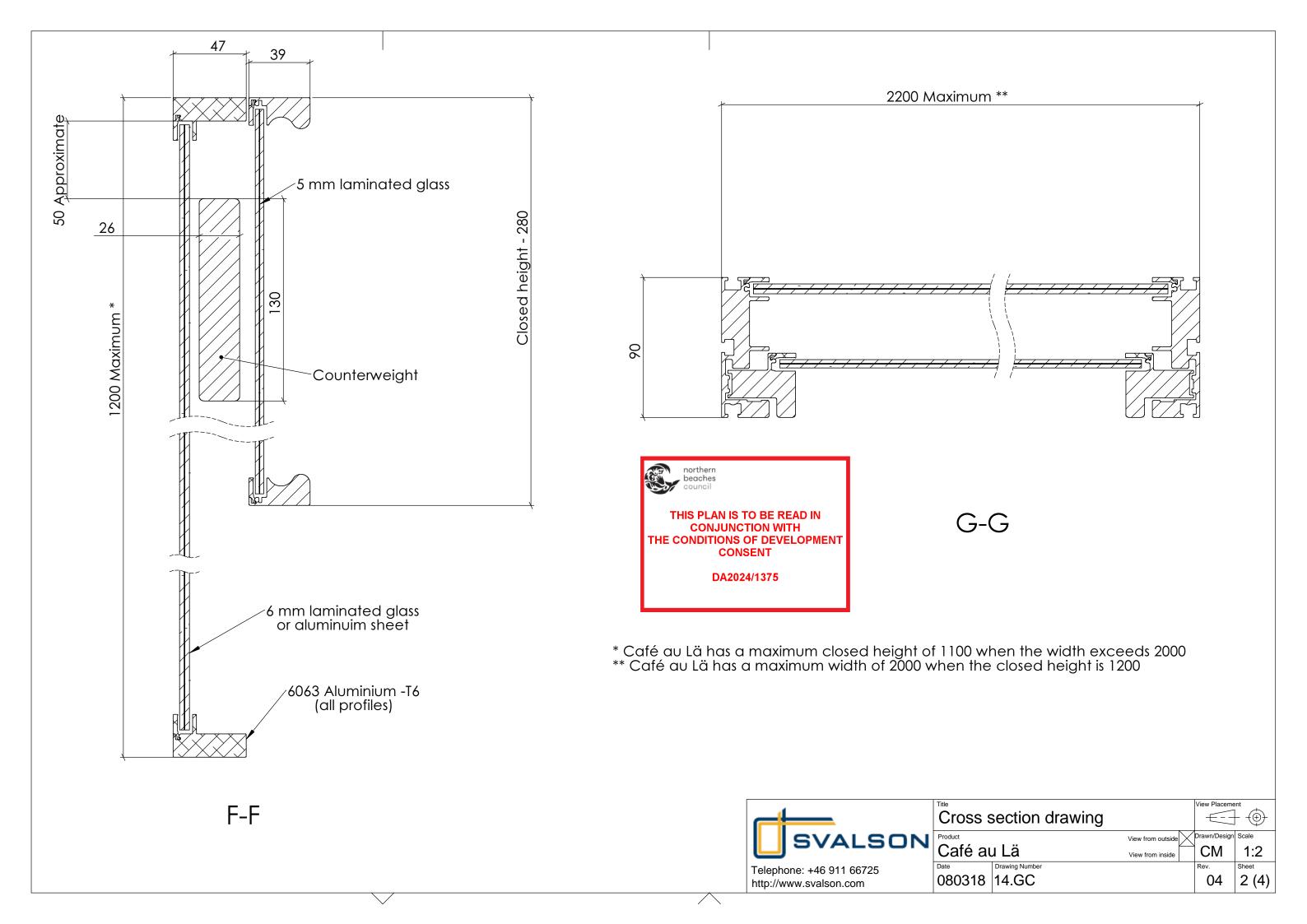
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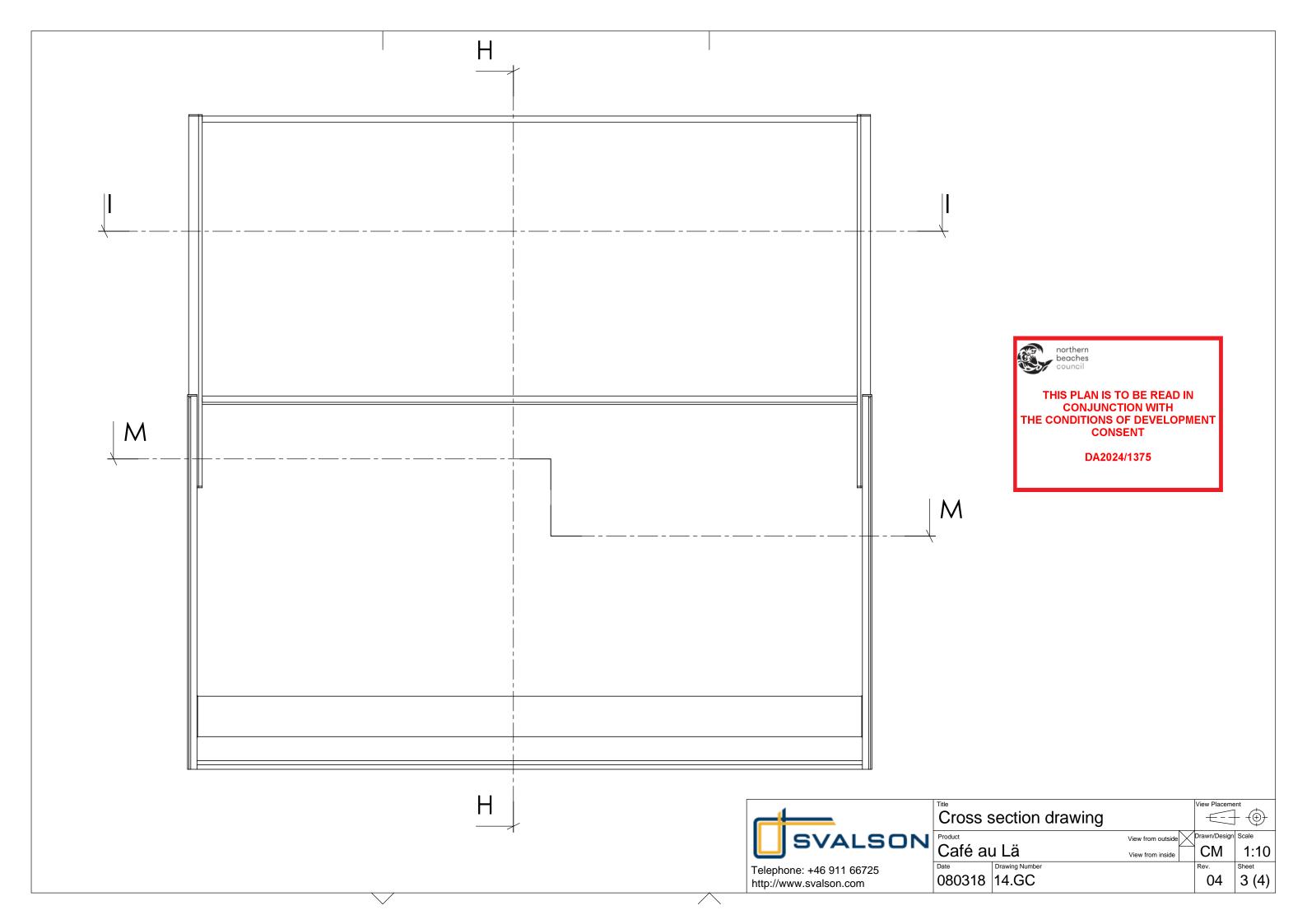
LITTLE BOAT PROJECTS

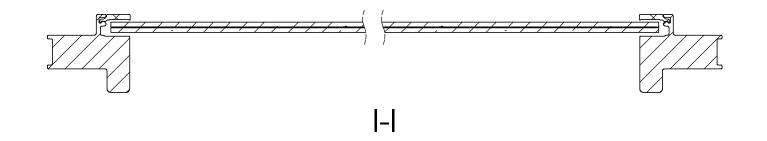


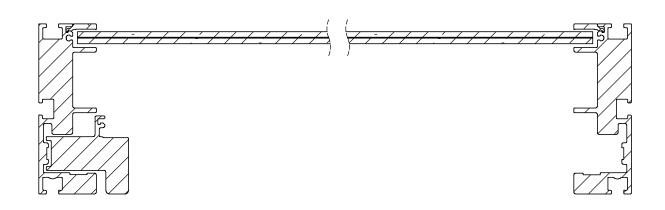






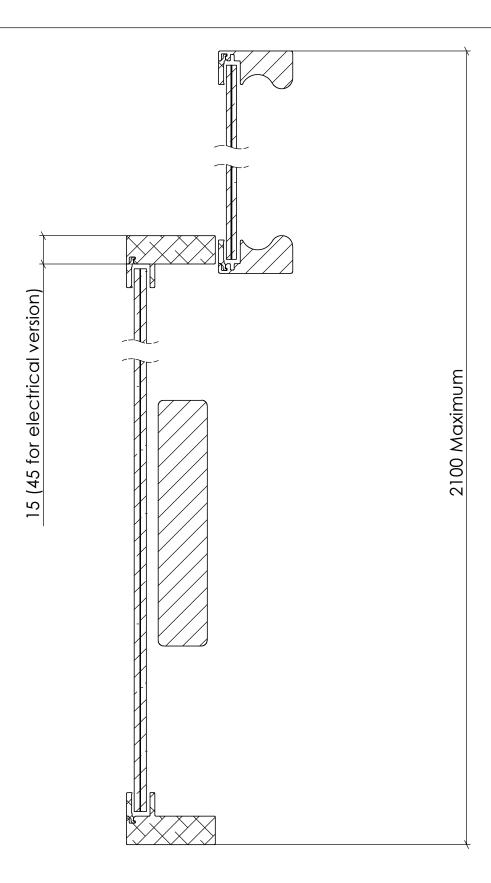






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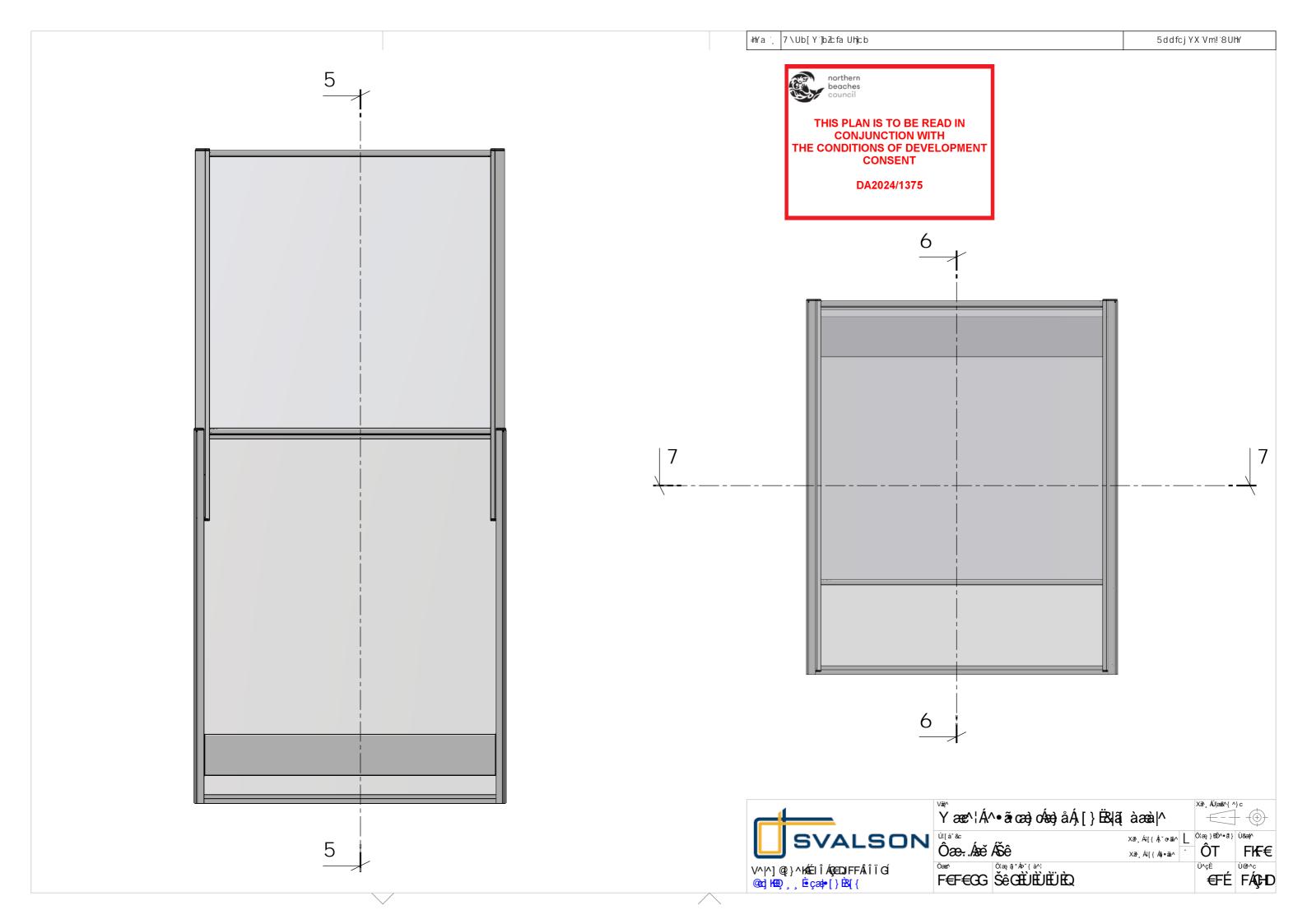


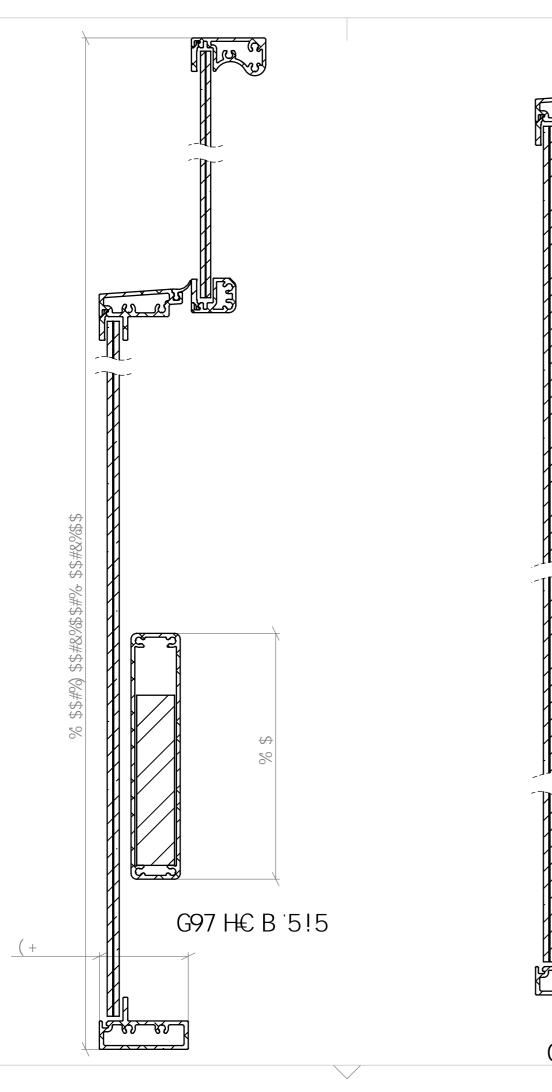


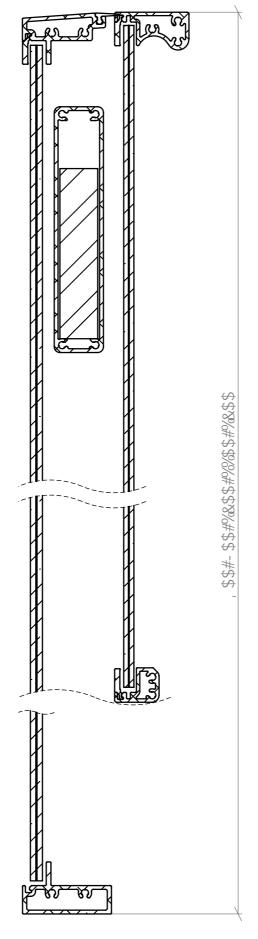
H-H



| Title | | | View Placeme | ent |
|-----------------------|----------------|-------------------|--------------|--------------|
| Cross section drawing | | | | |
| Product | | View from outside | Drawn/Design | Scale |
| Café au | ı Lä | View from inside | СМ | 1:2 |
| Date | Drawing Number | · | Rev. | Sheet |
| 080318 | 14.GC | | 04 | 4 (4) |





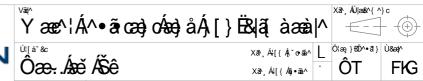




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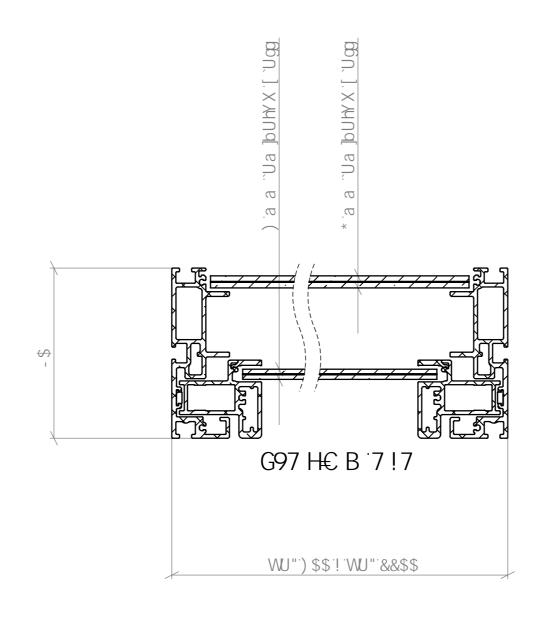




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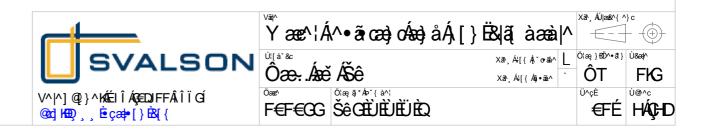
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DUCT COLOUR / SYMBOL KITCHEN EXHAUST DUCTWORK KITCHEN SUPPLY DUCTWORK TOILET EXHAUST DUCTWORK GENERAL EXHAUST DUCTWORK AC - SUPPLY DUCTWORK AC - RETURN AIR DUCTWORK EXISTING DUCTWORK 25mm INTERNALLY INSULATED 50mm INTERNALLY INSULATED SILENCER FYREWRAP (FR) FLEX RISER / DROPPER FIRE DAMPER (FD) VOLUME CONTROL DAMPER (VCD)

MECHANICAL EQUIPMENT

| KEH | KITCHEN EXHAUST HOOD |
|------|---------------------------------|
| KEF | KITCHEN EXHAUST FAN |
| KEG | KITCHEN EXHAUST GRILLE |
| SAF | SUPPLY UP AIR FAN |
| SAG | SUPPLY UP AIR GRILLE |
| VSD | VARIABLE SPEED DRIVE |
| ESP | ELECTROSTATIC PRECIPITATOR |
| СВ | CARBON BOX UNIT |
| OZ | OZONE GENERATOR |
| TEF | TOILET EXHAUST FAN |
| TEG | TOILET EXHAUST GRILLE |
| GEF | GENERAL EXHAUST FAN |
| GEG | GENERAL EXHAUST GRILLE |
| FD | FIRE DAMPER |
| VCD | VOLUME CONTROL DAMPER |
| MVCD | MOTORISED VOLUME CONTROL DAMPER |
| FCU | FAN COIL UNIT (INDOOR) |
| CU | CONDENSING UNIT (OUTDOOR) |
| AHU | AIR HANDLING UNIT |
| ACG | AC GRILLE |
| OAF | OUTSIDE AIR FAN |
| VFD | VARIABLE FREQUENCY DRIVE |
| DOL | DIRECT ON LINE |
| | |

ABBREVIATIONS

| L/S | LITERS PER SECOND |
|-----|------------------------|
| PA | PASCALS |
| FFL | FINISHED FLOOR LEVEL |
| TBC | TO BE CONFIRMED |
| SM | SITE MEASUREMENT |
| AP | ACCESS PANEL - INDUCT |
| CAP | CEILING ACCESS PANEL |
| FR | FYREWRAP |
| ВВ | BASE BUILD |
| U/S | UNDERSIDE |
| UNO | UNLESS NOTED OTHERWISE |
| TYP | TYPICAL |
| | |



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| VENTILATION "COMPLETE - TURN KEY SOLUTIONS" | l |
|---|---|
|---|---|

1300 4 CAVALIER (22825)

www.cavaliervent.com.au

29 Liverpool St, Ingleburn, NSW, 2565

AIRFLOW DIRECTION

FELON, MANLY WHARF

EAST ESPLANADE, MANLY WHARF, NSW, 2095

JB 02692 SIGNATURE AND DATE **CAVALIER LEGEND MECH** 101 SITE CONTACT NAME DO NOT SCALE Scale @ A3 FROM DRAWING REV 1

Drawn by

DRAWING NOTES

- 1: ALL DUCTWORK SIZES SHOWN ARE OVERALL DUCTWORK SIZE AND NOT CLEAR AIRWAY SIZE.
- 2: ALL WORK TO BE CARRIED OUT IN A WORKMANSHIP LIKE MANNER AND COMPLIES WITH ALL RELEVANT CODES AND STANDARDS. BCA, AS1668.1:1998/2015, AS1668.2:2012, AS 4254 SECTION J.
- 3: CLEAN OUT / ACCESS PANELS TO BE INSTALLED IN ACCORDANCE WITH AS1668 PART 1. ACCESS PANELS TO BE INSTALLED EVERY 3 METERS OR TURN OF DIRECTION. HORIZONTAL DUCTWORK ONLY. DUCTWORK SHALL BE INSTALLED WITH A RISE IN DIRECTION OF AIRFLOW OF NOT LESS THAN 0.5% IN ACCORDANCE WITH AS1668 PART 1. PROVIDE DRAINS AT ALL LOW POINTS.
- 4: KITCHEN EXHAUST DUCTWORK WITHIN THE FIRE COMPARTMENT OF THE HOODS BEING SERVED SHALL BE INSULATED TO ACHIEVE -/-/30 FRL WITH DUCT WRAPPED IN 25mm MINERAL WOOL ATTACHED WITH NON-COMBUSTIBLE FASTENINGS IN ACCORDANCE WITH AS1668.1:2015 SECTION 6.2.3.3 WHERE DUCTWORK IS INSTALLED WITHIN 300MM OF ANY COMBUSTIBLE MATERIAL BY BUILDER.
- 5: ALL FAN UNITS TO BE WIRED TO COMPLY WITH AS3000:2018. OVERLOAD PROTECTION WITH PHASE FAIL, ALSO TO BE WIRED IN COMPLIANCE WITH AS1668.2:2012 BCA AND SECTION J PER CODES.
- 6: SERVICES TO BE RELOCATED BY OTHERS TO SUIT NEW MECHANICAL DESIGN WHERE REQUIRED (BUILDING WORKS).
- 7: COOKING EQUIPMENT SHOWN ON DRAWING ARE FOR VISUAL PURPOSE ONLY. PLEASE REFER TO COOKING SPEC SHEET FOR DATA AND SIZES
- 8: ALL DRAWINGS BELONG TO CAVALIER VENTILATION P/L AND CANNOT BE REPRODUCED PARTLY OR WHOLE WITHOUT THE APPROVAL FROM CAVALIER VENTILATION P/L.
- 9: WHERE THE DIAMETER OF THE FLEXIBLE DUCT EXCEEDS THE DEPTH OF THE RIDGE DUCT IT ORIGINATES FROM, AN OVAL DUCT HAVING A SIMILAR CIRCUMFERENCE TO THE FLEXIBLE DUCT MAY BE USED 10: LOCATION OF GRILLES AND DIFFUSERS LOCATED IN CEILING AND DUCTWORK ARE APPROXIMATE AND FINAL POSITION TO BE CONFIRMED ONSITE
- 11: ALL DOORS TO MECHANICALLY VENTILATED AMENITIES AREAS SHALL BE 25mm UNDERCUT OR GRILLE INSTALLED INTO DOOR BY BUILDER (UNLESS NOTED OTHERWISE)
- 12: ACCESS PANELS LOCATED IN PASTEBOARD CEILING SHALL BE POSITION TO SUIT MECHANICAL SYSTEM EQUIPMENT/S AND SHALL BE SUPPLIED AND INSTALLED BY BUILDER
- 13: A SUITABLE SIZE CONDENSATE DRAIN SHALL BE RUN FROM EACH AC UNIT TO A TUNDISH OR FLOOR WASTE BY BUILDER
- 14: FAN COIL UNITS (FCU'S) SHALL BE MOUNTED ON SPRINGS
- 15: ALL PENETRATIONS THROUGH FIRE RATED WALLS AND CONCRETE SLAB BY BUILDER
- 16: NO RCD'S TO BE INSTALLED ONTO MECHANICAL SYSTEM/S THAT HAVE A VARIABLE SPEED DRIVE INSTALLED.

KITCHEN HOODS REQUIREMENTS

- 1: THE PURCHASER IS RESPONSIBLE FOR PROVIDING CAVALIER, ACCURATE INFORMATION FROM COOKING EQUIPMENT SUPPLIER/S FOR CONSIDERATION IN HOOD DESIGN.
- 2: THE KITCHEN EXHAUST SYSTEM MUST ACHIEVE THE AIRFLOW AS SPECIFIED IN THIS DOCUMENT, MEASURED AT THE RANGEHOOD FILTERS IN THE CAVALIER KITCHEN EXHAUST HOOD/S.
- 3: THE SPECIFIED EXHAUST STATIC PRESSURE AT THE HOOD'S COLLAR IS NOT THE TOTAL SYSTEM PRESSURE AND DOES NOT INCLUDE THE PRESSURE DROP OF DUCTS INCLUDING TRANSITIONS AND BENDS, INDUCT FILTRATION OR TREATMENT SYSTEMS, ATTENUATORS, DISCHARGE REGISTERS OR ANY OTHERS ITEMS IN THE EXHAUST SYSTEMS.
- 4: IF THE MAKE-UP AIR IS HOTTER THAN 27°C OR LESS THEN 18°C, AIR CONDITIONING OR TEMPERING SHOULD BE CONSIDERED TO PROVIDED COMFORT IN THE KITCHEN ENVIRONMENT. IF AMBIENT TEMPERATURES EXCEED 27°C, ALL AIRFLOW RATES MUST BE INCREASED TO COMPENSATE FOR BODY HEAT AND ODOUR (REF AS1668.2) AND REMOVE CONTAMINANTS FROM THE KITCHEN.
- 5: THE KITCHEN EXHAUST FAN SHOULD HAVE BACKWARDS INCLINED CENTRIFUGAL BLADES TO ALLOW RELEASE OF ANY GREASE DURING OPERATION. THE EXHAUST FAN SHOULD ACHIEVE THE REQUIRED AIRFLOW AT NO MORE THAN 70% OF IT'S DESIGN STATIC CAPACITY.
- 6: CANOPY LIGHTS ARE WIRED TO A 240V AC 10A 3 PIN PLUG WITH ~1m FLEX FOR CONNECTION BY OTHERS TO THE KITCHEN LIGHTING POWER SUPPLY.
- 7: THE MAKE-UP AIR AIRFLOW NOMINATED IN THIS DOCUMENT IS THE AMOUNT OF AIR THAT CAN BE PASSED THROUGH THE FRONT PANEL WITHOUT CREATING TURBULENCE. TO BALLANCE THE KITCHEN ADDITIONAL MAKE-UP AIR MAY NEED TO BE SUPPLIED THROUGH CEILING OR WALL REGISTERS BY OTHERS. SUCH REGISTERS MUST NOT BE POSITIONED TO CREATE TURBULENCE OR DRAFT IN THE COOKING ZONE.



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AS 1668 - TABLE 3.4
MINIMUM SEPARATION DISTANCES BETWEEN
DISCHARGES AND INTAKES, BOUNDARY OR
NATURAL VENTILATION DEVICE

| AIRFLOW RATE | MINIMUM |
|--|----------------------------------|
| WITHIN THE MINIMUM | DISTANCE |
| DISTANCE L/S | m |
| <200 <400 <600 <800 <1000 ≥1000 | 1 (SEE NOTE) 2 3 4 5 |

NOTE: FOR AIRFLOW RATES LESS THAN 200L/S, SEPARATION OF DISCHARGE FROM NATURAL VENTILATION OPENING WITHIN THE SAME SOLE OCCUPANCY UNIT DO NOT APPLY

MANUFACTURING AND ORDERING OF ALL COMPONENTS WILL NOT START UNTIL DRAWINGS HAVE BEEN SIGNED OR WRITTEN APPROVAL HAS BEEN RECEIVED AND DEPOSIT PAID (IF APPLICABLE, AS PER TERMS AND CONDITIONS LISTED ON QUOTATION).

| AVALIER VENTUATION | |
|---------------------------------|--|
| VENTILATION | |
| "COMPLETE - TURN KEY SOLUTIONS" | |

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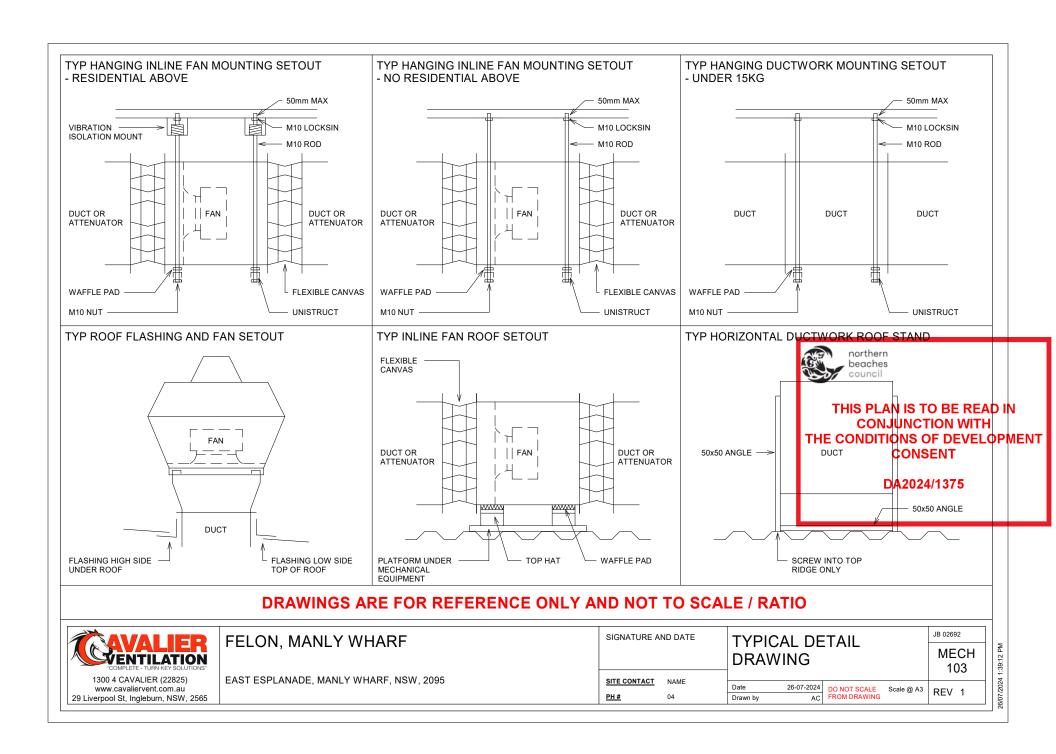
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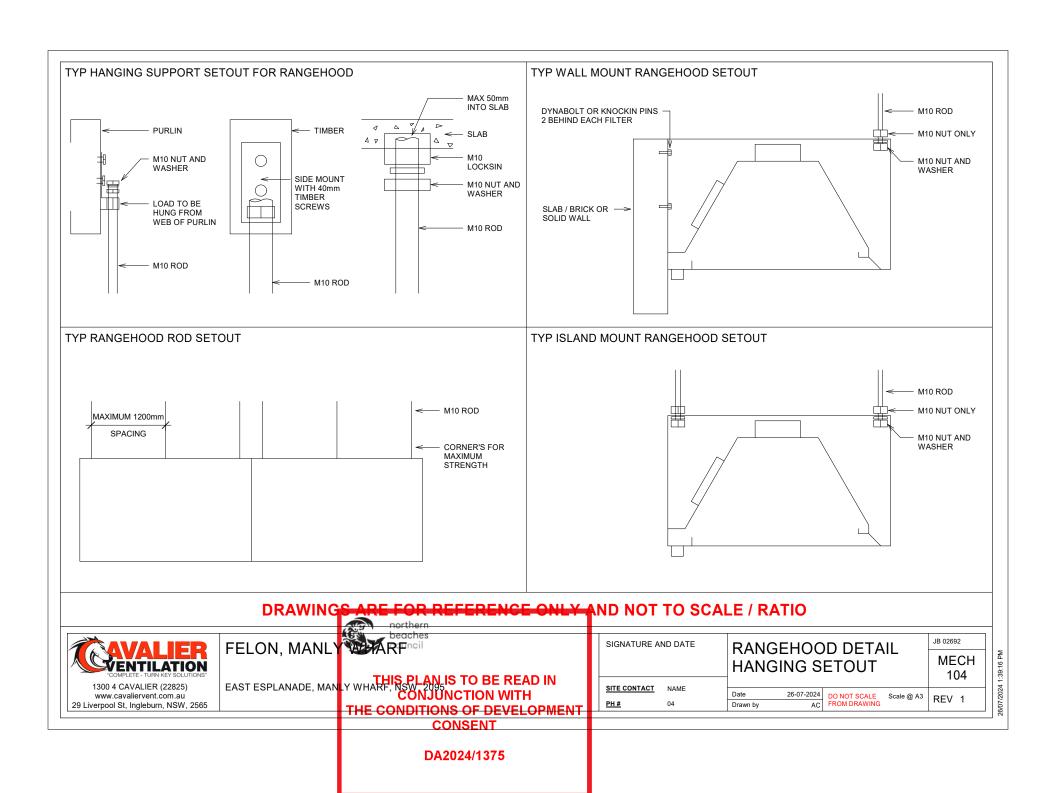
FELON, MANLY WHARF

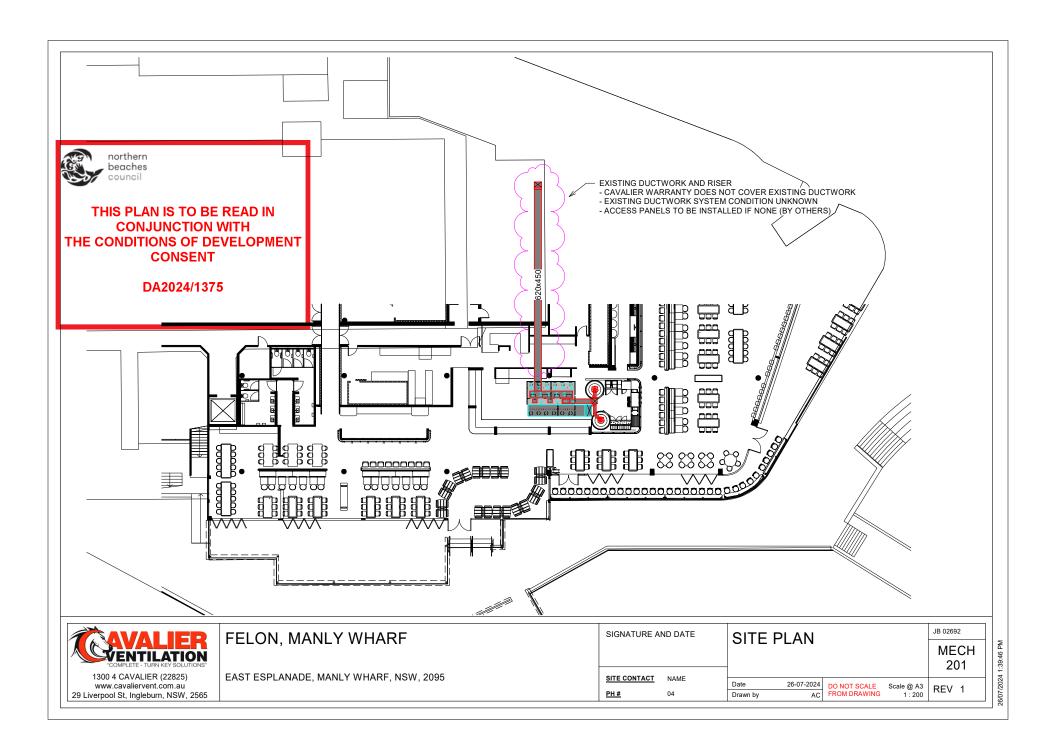
EAST ESPLANADE, MANLY WHARF, NSW, 2095

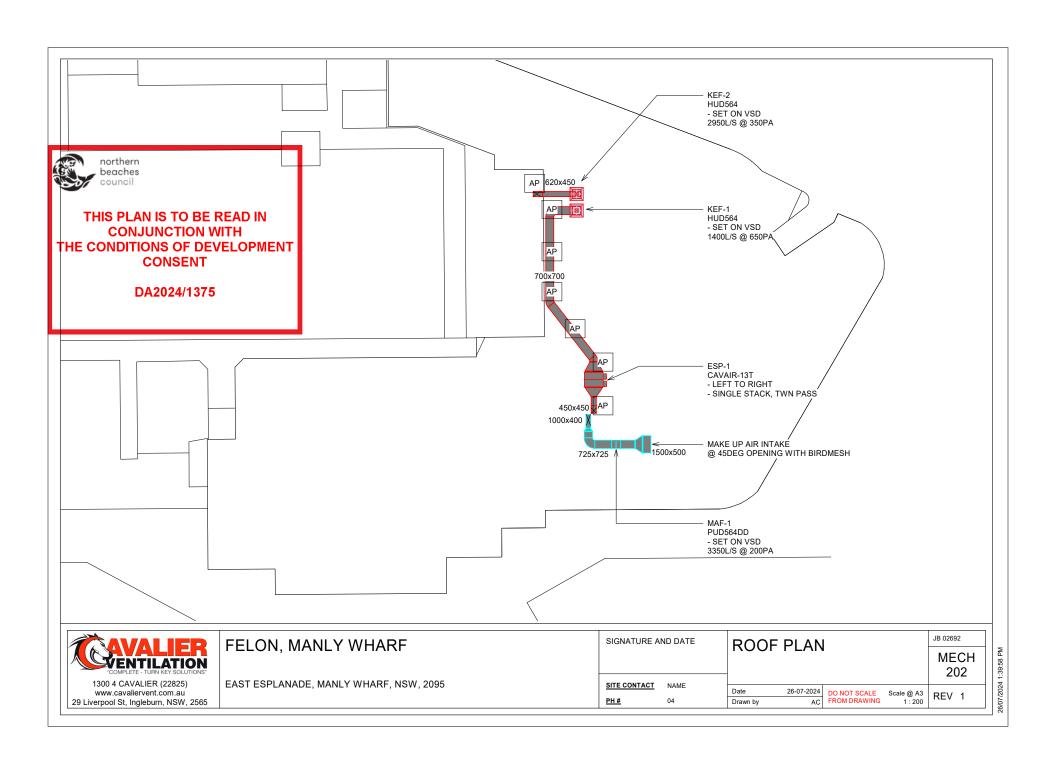
| SIGNATURE AND DATE | | DRAWING NOTES | | | | JB 02692 | | |
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| | | DIVAVV | NAVING NOTES | | MECH 102 | | | |
| SITE CONTACT | NAME | Date | 26-07-2024 | DO NOT SCALE | Scale @ A3 | RFV | 1 | |
| PH # | 04 | Drawn by | AC | FROM DRAWING | 0 | KEV | 1 | |

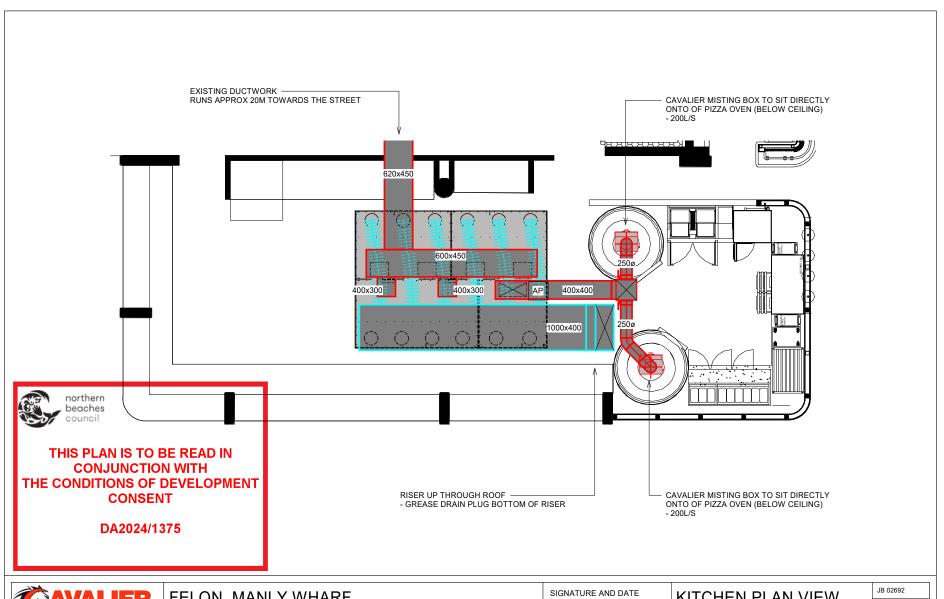
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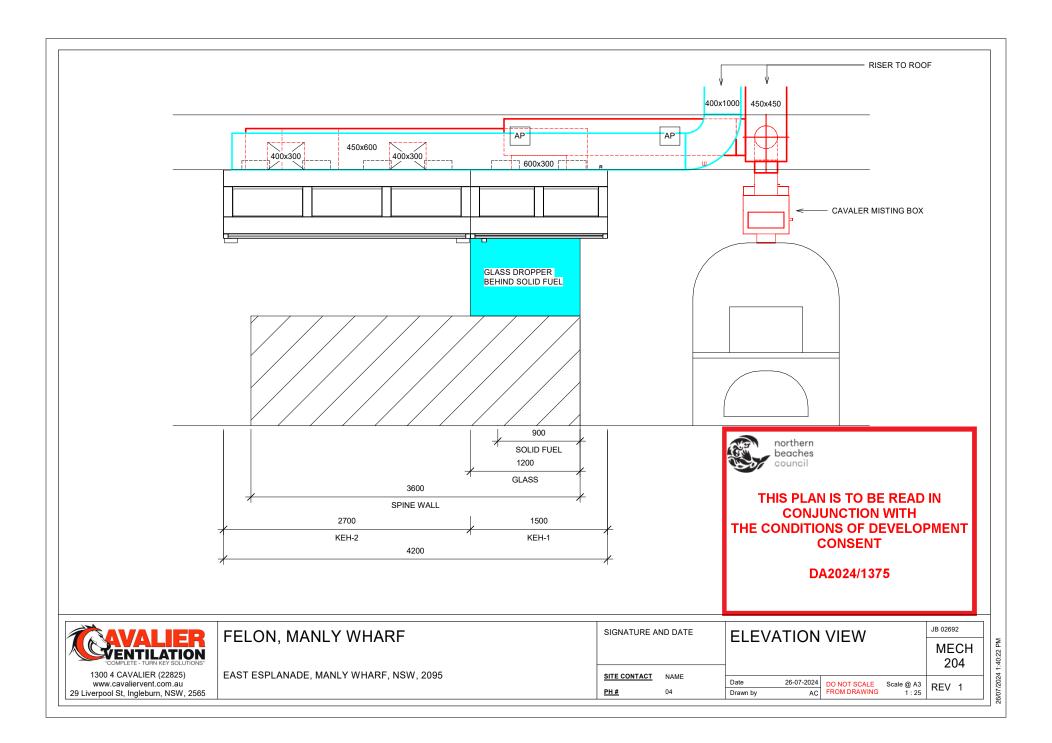


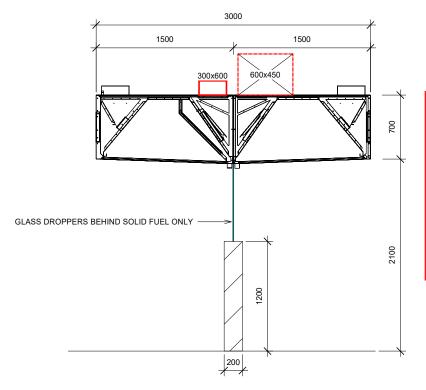


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EAST ESPLANADE, MANLY WHARF, NSW, 2095

| SIGNATURE A | ND DATE | DATE KITCHEN PLAN VIEW | | JB 02692 | | | |
|--------------|---------|------------------------|------------|--------------|------------|----------|---|
| 077 0007407 | | - | | -7 (IV VIL) | , v | ME 20 | |
| SITE CONTACT | NAME | Date | 26-07-2024 | DO NOT SCALE | Scale @ A3 | RFV | 1 |
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EAST ESPLANADE, MANLY WHARF, NSW, 2095

SIGNATURE AND DATE

SITE CONTACT NAME PH #

RANGEHOOD **ELEVATION END VIEW** JB 02692 MECH 205

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DO NOT SCALE Scale @ A3 FROM DRAWING 1:25

REV 1