CONSTRUCTION CERTIFICATE

Approved Plans & Specifications relating to: Date Approved: 23 May 2022 Certificate No.: CC-22071

BLACKETT MAGUIRE + GOLDSMITH PTY LTD

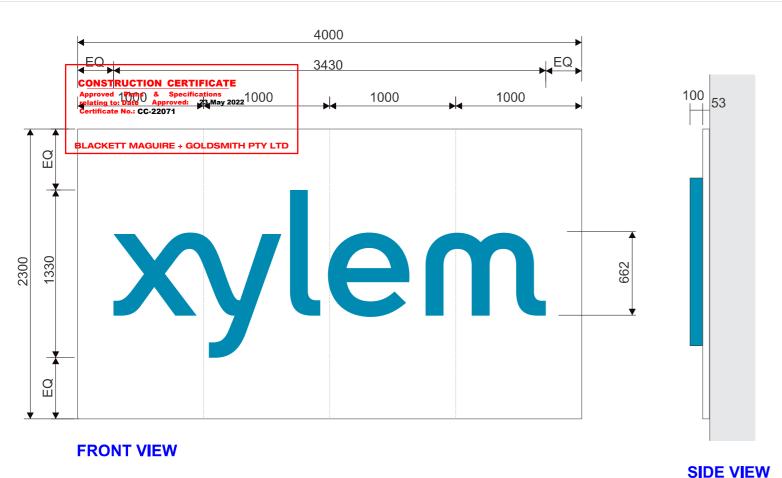


ILLUMINATED BUILDING SIGNAGE VER 1

Note:

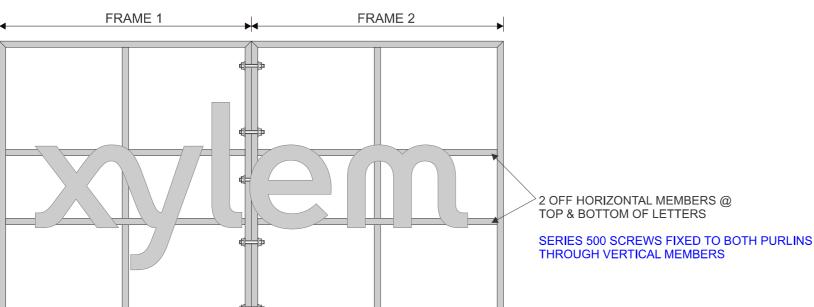
Flexface, Vynyl, Acrylic, ACM, PVC, LED's and electricals excluded from engineering Refer to Design Certificate for address 1 Sign as shown Date: 10.05.2022 Rev A





DETAILS:

100mm DEEP, 3D FABRICATED LETTERS TO WHITE ACM STAGING FRAME ILLUMINATED FACES WITH TRANS VINYL APPLIED (ARLON 2500 SERIES TURQUOISE 236) NON ILLUMINATED BLOCK OUT SIDES WITH 2 PAC PAINTED PMS 7704C SATIN FINISH



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Rev A



Engineering ENGINEERS Register ELEGANT

Registered on the NER in the area(s) of practice of Structural Engineering

53 3mm THK PROPRIETARY WHITE ACM PANEL WITH FOLDED RETURNS ON ALL SIDES FIXED TO STAGING FRAME VIA D/S TAPE & Ms1 ADHESIVES ALSO MECHANICAL FIXINGS ON SIDES AND THROUGH FACE WHERE CONCEALED BY FAB LETTERS 100 50 X 50 X 3mm THK ALUMINIUM SHS INTERNALLY WELDED FRAME WITH BIG HOLE .LITTLE HOLE FIXINGS, DIRECT TO PURLINS 10mm THK CELUKA BACKING 6500K COOL WHITE LED MODULES & 12V POWER SUPPLY LOOPING OF INDIVIDUAL LETTER TAILS TO BE CONCEALED WITHIN STAGING FRAME 3mm THK OPAL ACRYLIC FACES AND SIDES TRANS VINYL GRAPHICS APPLIED TO FACE (ARLON 2500 SERIES TURQUOISE 236) 2 PAC PAINTED BLOCK OUT TO SIDES (PMS 7704 SATIN FINISH) **EXISTING PURLIN** -MECHANICALLY FIXED TO EXISTING PURLINS THROUGH VERTICAL 50 X 3mm SHS MEMBERS

TYPICAL VERTICAL SECTION

Sign Fixing Note

Max Total Sign weight is 92kg. (10kg/m^2)

All screws to be galv. 10-16 or 12-24 hex head screws.

Provide

At each vertical / building purlin crossover point 2 screws (Min 24 total for sign) Along top and bottom rail, provide 50x3 aluminium flat bar inside building and screws each wall rib (nom 200 cts) (Min 35 screws for sign).

Along horizontal members top and bottom of letters provide screws every 3rd wall rib to existing wall sheeting. (nom 600 cts) (Min 12 screws for sign).

(Insight	
56 Elizabeth Street Wetherill Park NSW 2164 P: 02 9742 5011 www.insg.com.au	

CLIENT APPROVAL APPROVED FOR PRODUCTION DATE BY

INTERNAL FRAME

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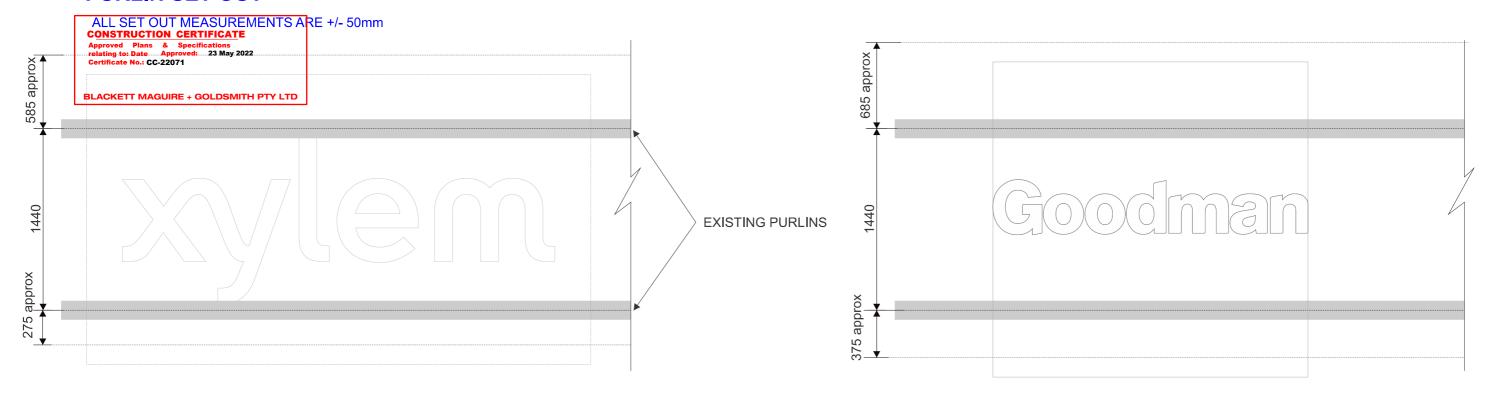
NOTE TO CLIENT

Descripti	on:	REVISIONS					
	XYLEM - ILL	Revision No.	Date				
Drawn by MB	Quantity 1 OFF	Size A3	Scale 1:30	Date 28/04/2022			Dr

Job No. 8321

rawing No. **A1**

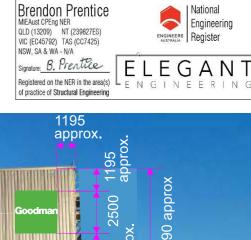
PURLIN SET OUT



SIGN SET OUT FOR XYLEM & GOODMAN



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| National





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Job No. 8321 Drawing No.

GENERAL NOTES

CONSTRUCTIO

Approved Plan relating to: Date

GENERAL READ THESE DRAWINGS IN CONJUNCTION WITH ALL OTHER CONSULTANT'S DRAWINGS

AND SPECIF CATIONS AND WITH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED.

IF IN DOUBT ASK
REFER ANY INSTRUCTION SHALL NOT COMMENCE UNTIL APPROVED BY THE RELEVANT

- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT AUSTRALIAN STANDARDS AND THE BUILDING CODE OF AUSTRALIA. 5.

DO NOT SCALE THESE DRAWINGS FOR DIMENSIONS. ALL SETOUT DIMENSIONS SHALL BE VERIFIED BY THE BUILDER ON SITE

- ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES U.N.O.
 THESE DRAWINGS ARE THE COPYRIGHT OF ELEGANT ENGINEERING AND MUST NOT BE
 USED, REPRODUCED OR COPIED, WHOLLY OR IN PART, WITHOUT THE WRITTEN
 PERMISSION OF OVERHEAD ENGINEERING. ALL RIGHTS RESERVED.
- 10. SEPARATE DISSIMILAR METALS USING DOUBLE SIDED TAPE, NEOPRENE PACKERS AND THE LIKE.
- 11. ALL FIRE REQUIREMENTS TO MANUFACTURERS DETAILS INCLUDING BUT NOT LIMITED TO FLAMMABILITY AND COMBUSTIBILITY.

1. WIND LOADS ARE IN ACCORDANCE WITH AS1170.2 AS FOLLOWS (UNO):

IMPORTANCE LEVEL: 2

ANNUAL PROBABILITY OF EXCEEDANCE: 1 in 500.

TC2.5, Ms=1.0, Mt=1.00, WIND REGION A FOR GENERIC DESIGNS

THE SERVICE WIND SPEED FOR ALL SIGNS HAS BEEN CONSIDERED AS 80km/h

STRUCTURAL STEELWORK

ALL WORKMANSHIP AND MATERIALS (INCLUDING ERECTION AND FABRICATION) SHALL BE IN ACCORDANCE WITH AS4100
ALL STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING AUSTRALIAN STANDARDS IN RESPECT OF GRADE AND CONDITIONS OF SUPPLY UNO:
ROLLED SECTIONS AS/NZS 3679.1 GRADE 300

AS/NZS 3679.2 AS/NZS 1163 WELDED SECTIONS GRADE 300 HOLLOW SECTIONS GRADE C350

3. CONNECTION CLEATS SHALL BE 10mm THK UNO AND EITHER: (UNO) AS/NZS 3678 GRADE 250 PLATE AS/NZS 3679.1 GRADE 300 FLAT BAR

STRUCTURAL STEELWORK BOLTING
4. ALL BOLTS, NUTS AND WASHERS TO BE GALVANISED.

- BOLTS SHALL BE IN ACCORDANCE WITH AS1110, AS1111 AND/OR AS/NZS1252 AS APPROPRIATE
- BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH CLAUSE 15.2.3 OF AS4100 AND BOLTS REQUIRING TENSIONING (8.8/TB AND 8.8/TF) SHALL BE INSTALLED IN ACCORDANCE WITH CLAUSES 15.2.4 AND 15.2.5 OF AS4100 USING EITHER THE PART-TURN METHOD OR A DIRECT-TENSION INDICATION DEVICE. THE TORQUE CONTROL METHOD SHALL NOT BE USED.
- CUNINGL METHOD SHALL NOT BE USED.

 ALL BOLT HOLES SHALL BE 2mm LARGER THAN THE NOMINAL BOLT DIAMETER EXCEPT
 WHERE SLOTTED OR OVERSIZE HOLES ARE SHOWN ON THE STRUCTURAL STEEL
 DETAILS. ALL HOLES SHALL COMPLY WITH CLAUSE 14.3.5 OF AS4100. PLATE
 WASHERS SHALL BE PROVIDED WHERE REQUIRED BY CLAUSE 14.3.5.

STRUCTURAL STEELWORK WELDING

- ALL WELDING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS1554.1, ELECTRODES SHALL BE TO EITHER AS1153, AS1858, AS2203 OR AS2717
- ALL FILLET WELDS SHALL BE 6mm CONTINUOUS CATEGORY SP USING E48XX ELECTRODES OR EQUIVALENT. U.N.O.
- 11. ALL BUTT WELDS SHALL BE FULL PENETRATION CATEGORY SP TO AS1554.1. U.N.O.

STEELWORK FINISH

12. THE FINISH OF THE STEELWORK TO BE TO THE MANUFACTURERS DETAILS TO ACHIEVE THE DESIGN LIFE REQUIRED BY THE CLIENT

ALUMINIUM

ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS1664 EXCEPT 1. WHERE VARIED BY THE CONTRACT DOCUMENTS.
ALL WELDING SHALL BE IN ACCORDANCE WITH AS1665-2004

- UNLESS NOTED OTHERWISE, ALL FILLET WELDS SHALL BE 4mm CONTINUOUS. REFER TO COMPONENT DETAILS FOR ALUMINIUM ALLOY AND TEMPER. WHERE NOT SPECIFIED 6063-T5 HAS BEEN ASSUMED FOR EXTRUSIONS AND 5083-H116 FOR FLAT/PLATE.
- ALUMINIUM IS TO BE SEPARATED FROM CONCRETE/TIMBER AND OTHER POROUS MATERIALS TO PREVENT DIRECT CONTACT WITH AN INERT LAYER SUCH AS PLASTIC, PAINT, END PLUGS ETC TO THE MANUFACTURERS DETAILS.

PROPRIETY ITEMS

- PROPRIETY ITEMS SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE
- PROPRIETY THEM STALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION U.N.O. FRANGIBILITY PERFORMANCE OF SIGNS WHERE REQUIRED IS TO BE ACHEIVED USING PROPRIETARY PRODUCTS APPROVED BY THE RELELVANT AUTHORITY AND IS EXCLUDED FROM OUR DESIGN AND CERTIFICATION WHICH IS LIMITED TO WIND AND SELF WEIGHT

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EPOXY ANCHORS

- ALL EPOXY ANCHORS ARE TO BE HOT DIP GALVANISED UNO
- THREADED ROD IS TO BE MIN GRADE 4.6 TYPICALLY AND MIN GRADE 5.8 FOR HEAVY DUTY APPLICATIONS UNO.
- USE STANDARD EMBEDMENT DEPTHS AS FOLLOWS UNO

SIZE	M8	M10	M12	M16	M20	M24
DEPTH	80	90	110	125	170	210

- CORE DRILLED AND/OR WET HOLES REQUIRE HEAVY DUTY EPOXY EPOXY SHALL BE AS FOLLOWS INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS:
 - STANDARD WHERE NOT OTHERWISE SPECIFIED:

HILTI HY-200 RAMSET CHEMSET 101 PLUS POWERS KF2 OR AC100e

6.2. HEAVY DUTY:

HILTI HVU RAMSET REO 502 POWERS PF PRO

6.3. BRICKWORK OR HOLLOW BLOCKWORK SUBSTRATE:

RAMSET CHEMSET 101 PLUS

- POWERS KF2 OR AC1000

 7. CONCRETE SHALL BE CURED FOR AT LEAST 21 DAYS PRIOR TO INSTALLING EPOXY
- EPOXY ANCHORS INSTALLED INTO CONCRETE LESS THAN 21 DAYS OLD SHALL BE RAMSET CHEMSET REGOZ REGARDLESS OF WHETHER ANOTHER PRODUCT HAS BEEN SPECIFIED AND THE CONCRETE SHALL HAVE ACHIEVED A MIN STRENGTH OF 25MPa WHICH CAN BE ACHIEVED USING N40 CONCRETE CURED FOR AT LEAST 7 DAYS.

Brendon Prentice MIEAust CPEng NER QLD (13209) NT (239827ES)

VIC (EC45792) TAS (CC7425) NSW. SA & WA - N/A Signature: B. Prentice



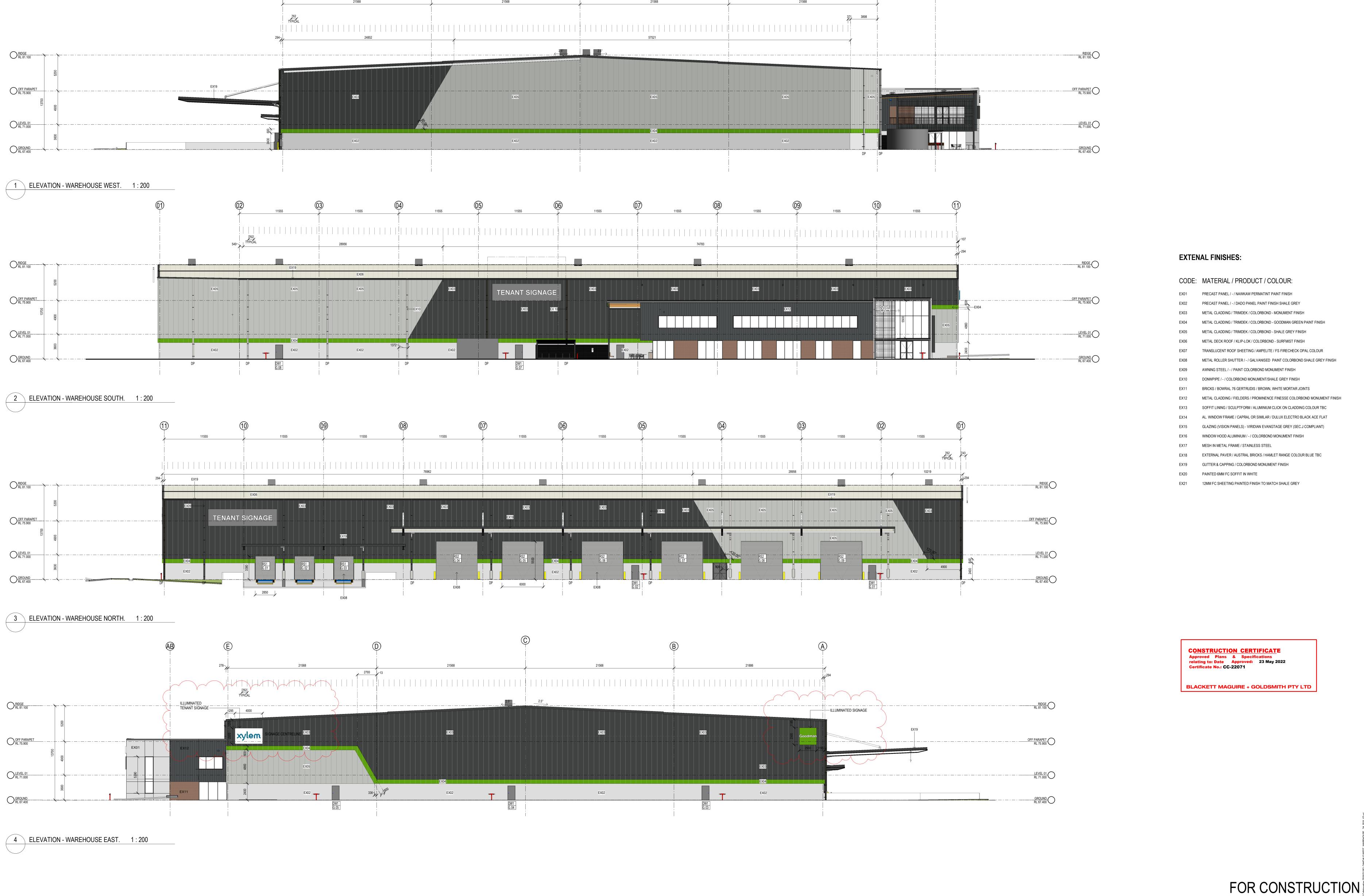


Ph (02) 9674 7601 mail@elegantengineering.com.au ABN 49 613 740 668

Refer to Design Certificate for address

1 Sign as shown Date: 10.05.2022

Rev A



INSUED FOR CONSTRUCTION - TENANT SIGNAGE | 16.05.22 | These designs, plans & specifications and the copyright therein are the propoerty of the architect and must not ISSUED FOR CONSTRUCTION CERTIFICATE 3 - 04.05.22 therein are the propoerty of the architect and must not be used, reproduced or copied wholly or in part without the written permission of this office.

ISSUED FOR CONSTRUCTION WHELEVATION 08.02.22

FINISH UPDATE AS PER GMG MARKUP

ISSUED FOR CONSTRUCTION 18.11.21

ISSUED FOR COORDINATION - On Grade Shutter 13.08.2021 THIS DOCUMENT NOT TO BE USED FOR CONSTRUCTION

height updated, bollards added as per brief requirements

UE DESCRIPTION

DATE

| HIS DOCUMENT NOT TO BE OSED TO CONSTRUCTION. | UNLESS SIGNED & ISSUED FOR CONSTRUCTION. |

ISSUED FOR CONSTRUCTION

OAKDALE WEST SCALE As indicated@B121183 Kemps Creek, NSW DWG NUMBER ISSUE CHECKED Checker - GA-301 E WH ELEVATIONS APPROVED Approver

Qanstruct -

