CONSTRUCTION CERTIFICATE

Approved Plans & Specifications relating to:

Date Approved: 19 October 2023 Certificate No.: CC-23193

BLACKETT MAGUIRE + GOLDSMITH PTY LTD



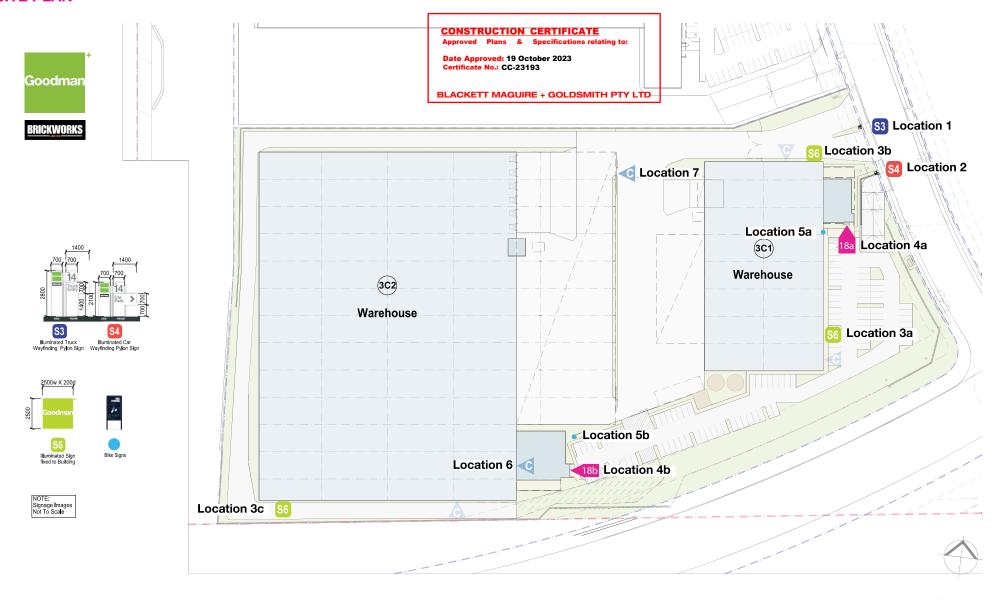


Qanstruct - OWE LOT 3C1 & 3C2

18 Emporium Avenue, Kemps Creek

Issue C: 13.10.23

SITE PLAN



Site Contact	Contact Number	Contact email	Installation Type
Michael Trotnar	0409 999 447	-	SITE PLAN ONLY

Wardry
IMAGING & SIGNS

56 Elizabeth St, Wetherill Park. NSW 2164 P: 02 9821 7600 | F: 02 9821 7666 E: info@insg.com.au

www.wizardry.com.au

PAGE: 2/35

S3 - Double sided totem - Illuminated **CONSTRUCTION CERTIFICATE** Approved Plans & Specifications relating to: ISSUE: Date Approved: 19 October 2023 700mm Certificate No.: CC-23193 DATE: SIGN LOCATION: REFER TO REFERENCE IMAGE ON NEXT PAGE To be illuminated intracut lettering letters to be flush to panels **BLACKETT MAGUIRE + GOLDSMITH PTY LTD** Unit a.b To be illuminated PM: Avery Ash Grey 700mm JOB NO: QM5571 Illuminated SITE Avery Gunmetal Grey 983 2pak painted ACM to match **Emporium** (non illuminated) PMS 431C, Satin finish Avenue CODE SIDE A Road side TYPE 18 ‡ 60mm Tenant Logo 500mm W x Illuminated with 6500K Truck Truck 2100mm As Shown 400mm H bright white LED's Entry Entry internally mounted. SIZE As Shown + 100mm 100mm COLOUR SIDE A VIEW SIDE D VIEW SIDE B VIEW SIDE C VIEW Goodman logo to be illuminated Only white and orange to be illuminated ACTION 35mm 665mm 1x S3 Totem Avery Yellow Green QM5562 (Illuminated) 1400 x 2800mm Avery Ash Grey QM5571 (Illuminated) (Double sided) Avery Gunmetal Grey 983 Manufactured and finished as per previous signs produced by Wizardry, Installed on new concrete footing Includes illuminated text and arrows 2Pak painted PMS 431C

SIGN ID / REFERENCE:

S3 Totem

С

13.10.23 SETUP: CW DY 8937

18 Emporium Avenue, Kemps Creek

ILLUMINATION

FORMAT

Double sided

QUANTITY

PMS 431C PMS 369C

MATERIALS

Internal frame, ACM, Vinyl,

Install new finger totem on concrete footing

FIXING METHODS

Via concrete footing

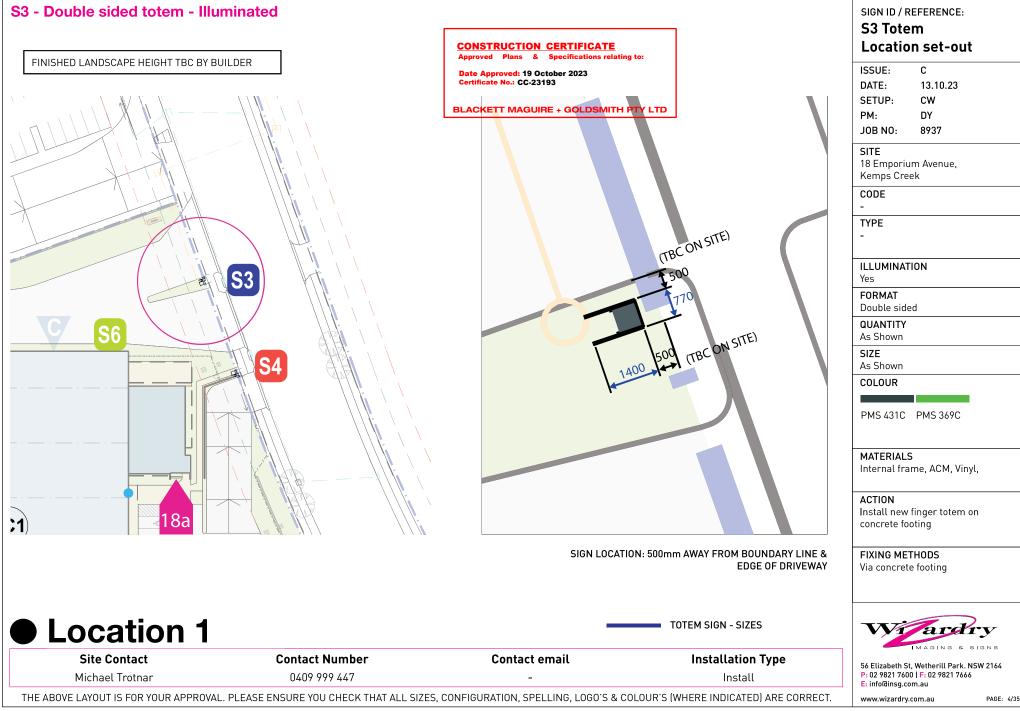
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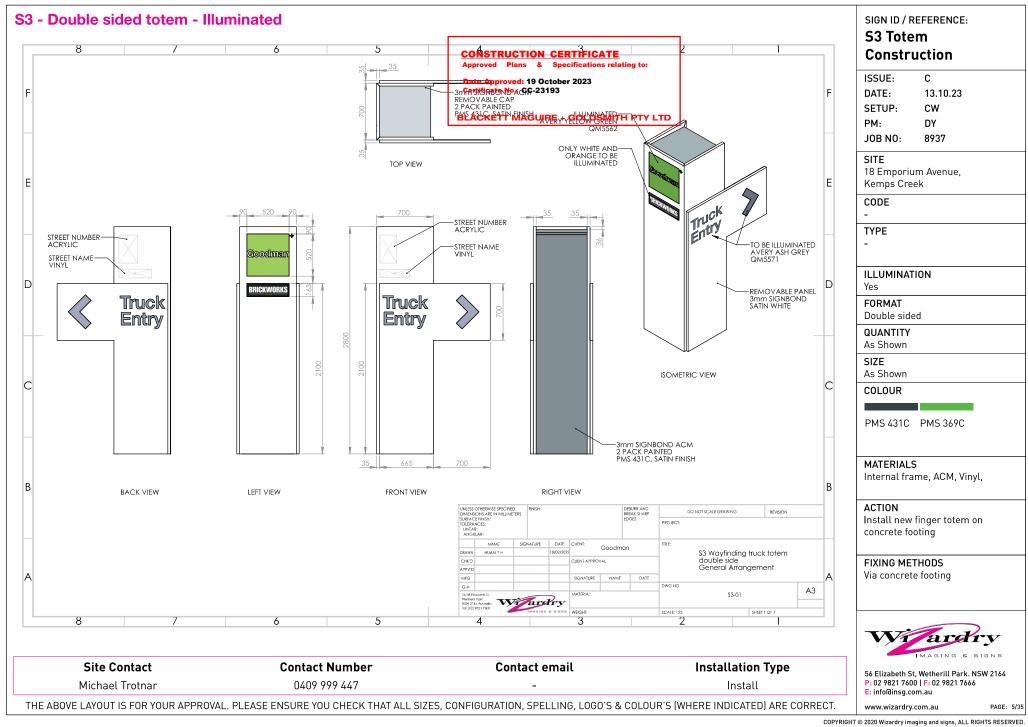
www.wizardry.com.au

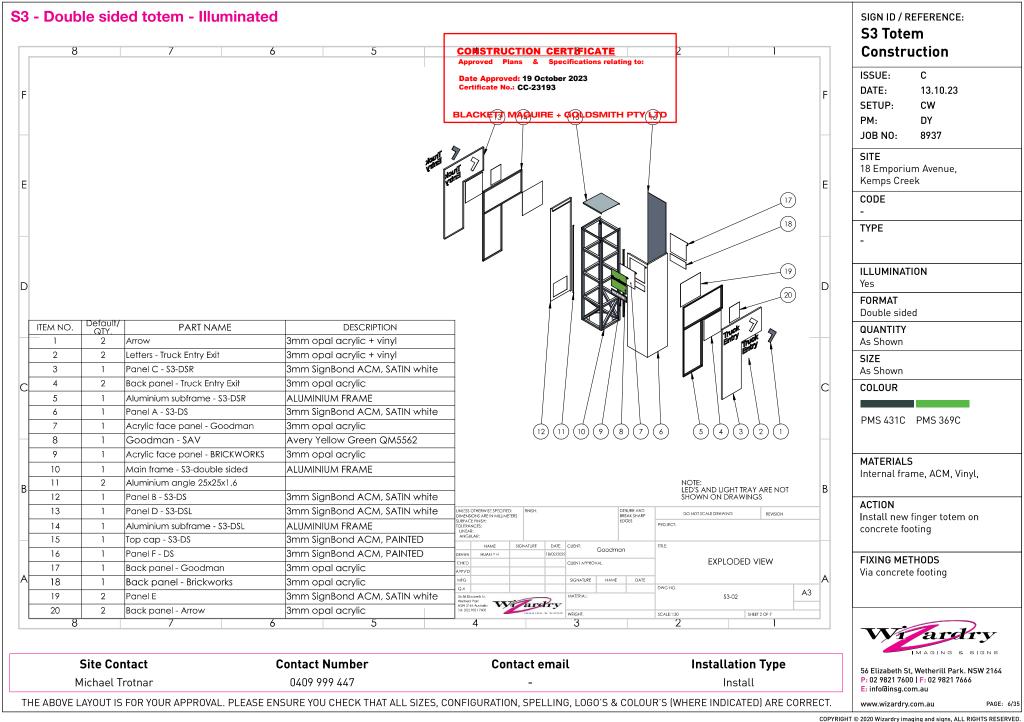
PAGE: 3/35

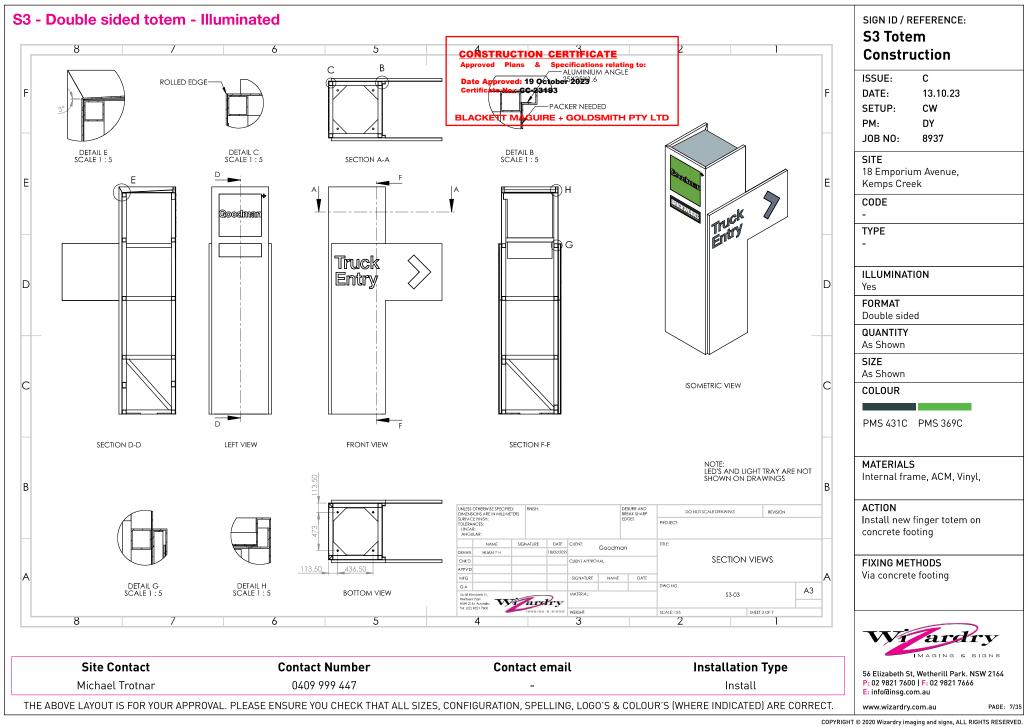
Location 1

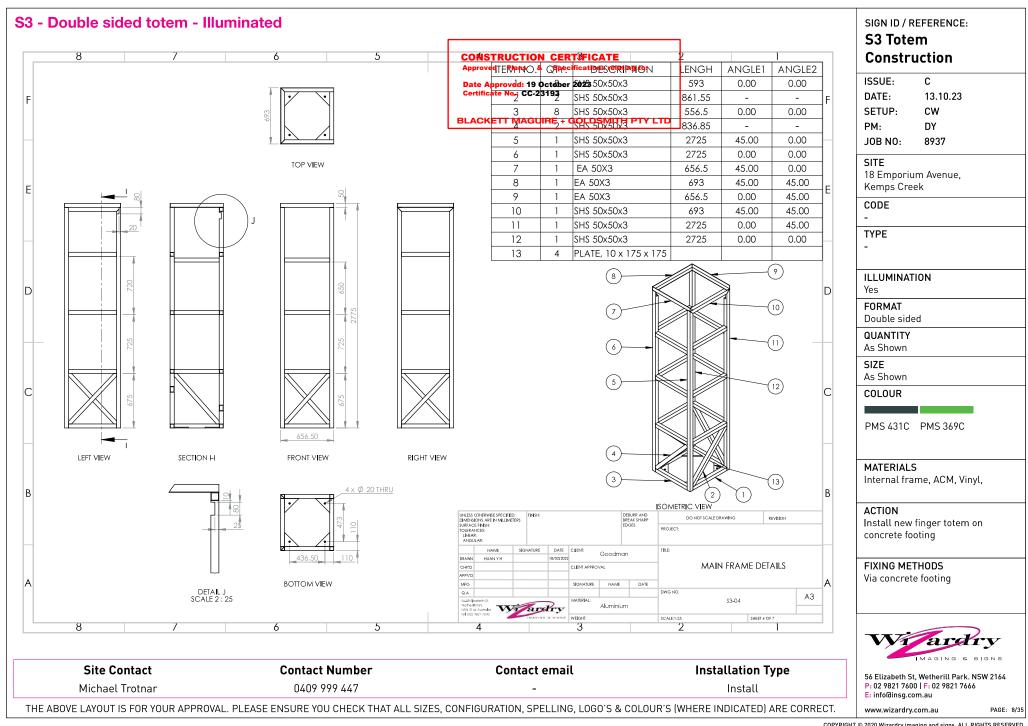
Site Contact **Contact Number** Contact email Installation Type 0409 999 447 Michael Trotnar Install

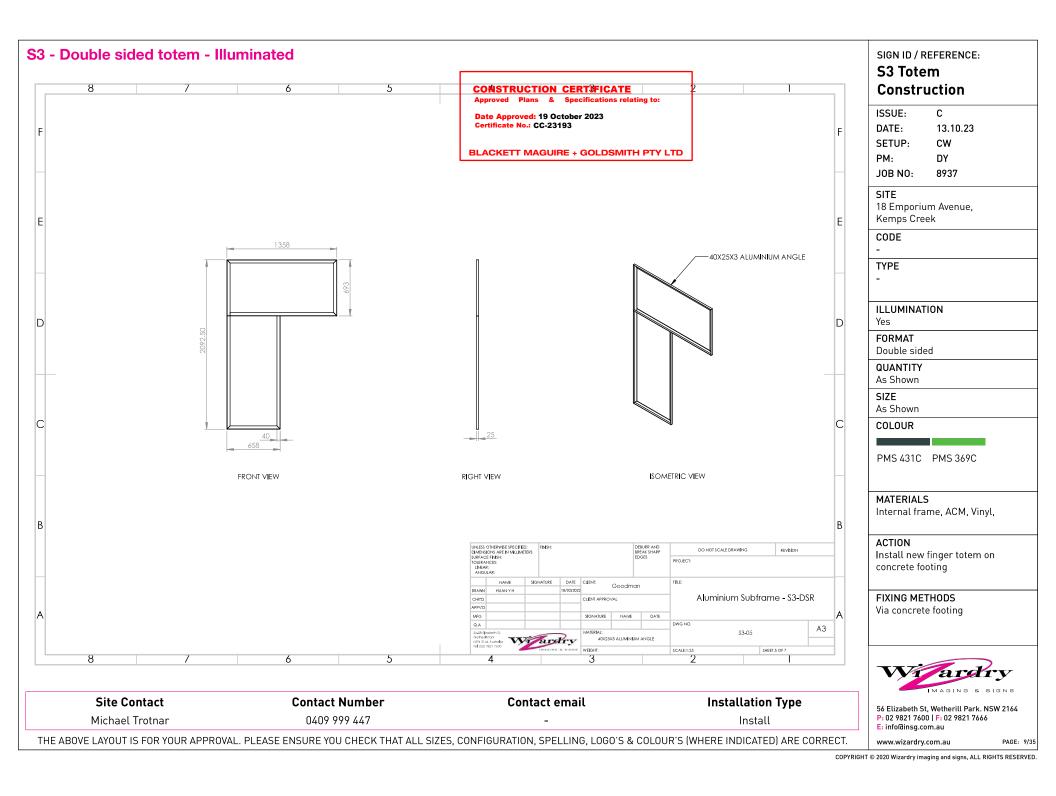


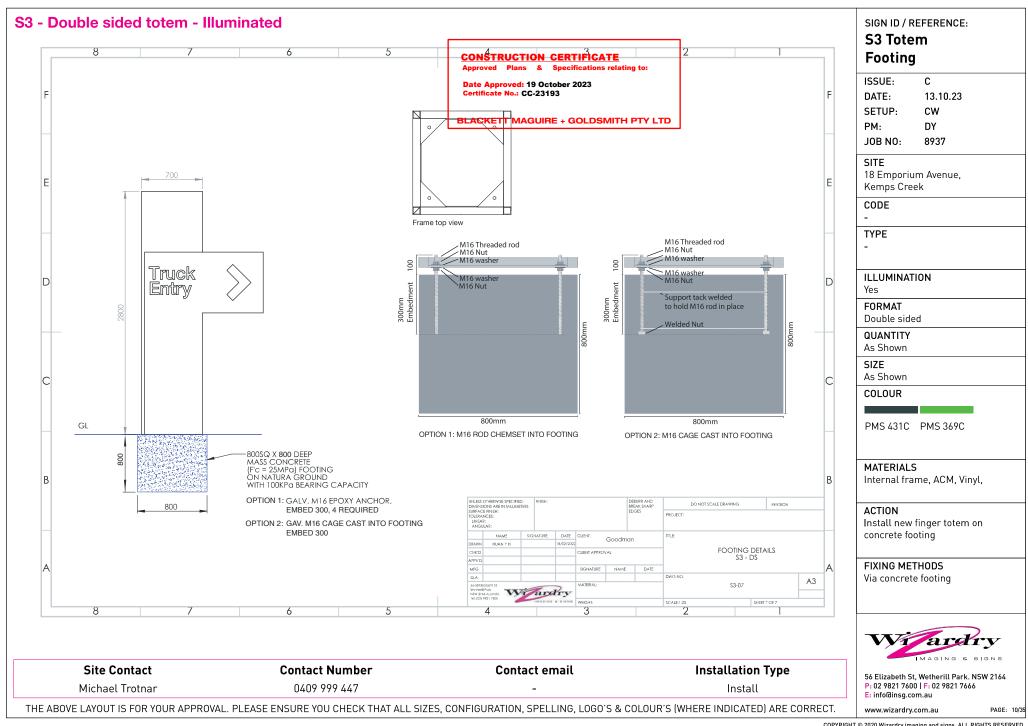




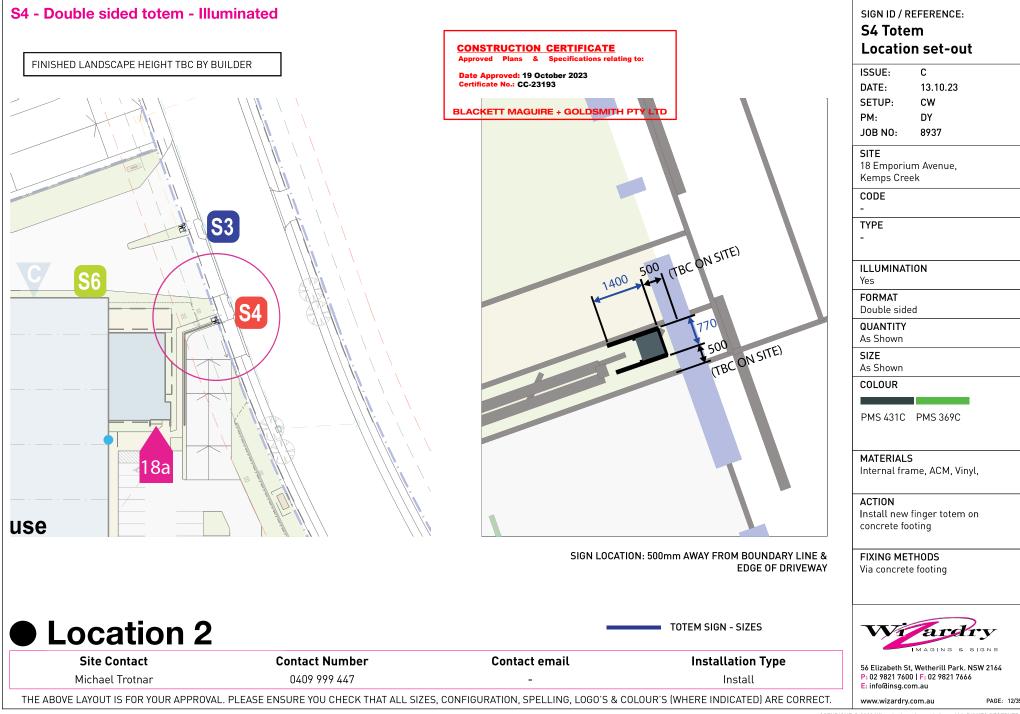


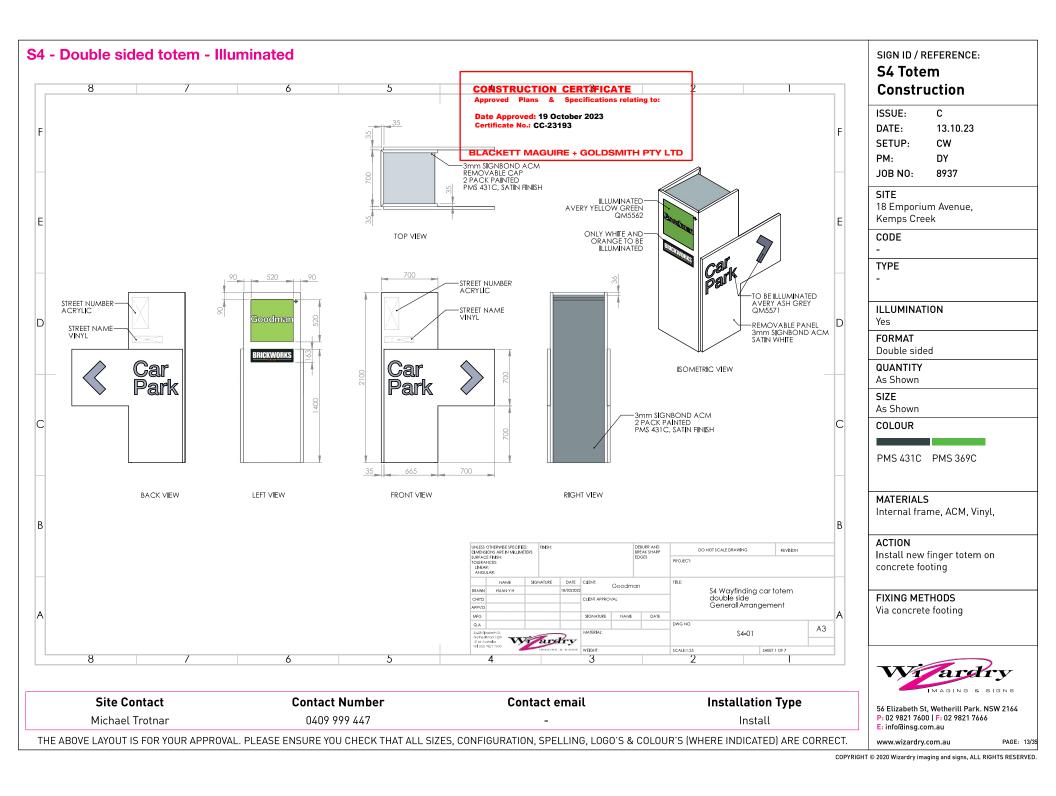


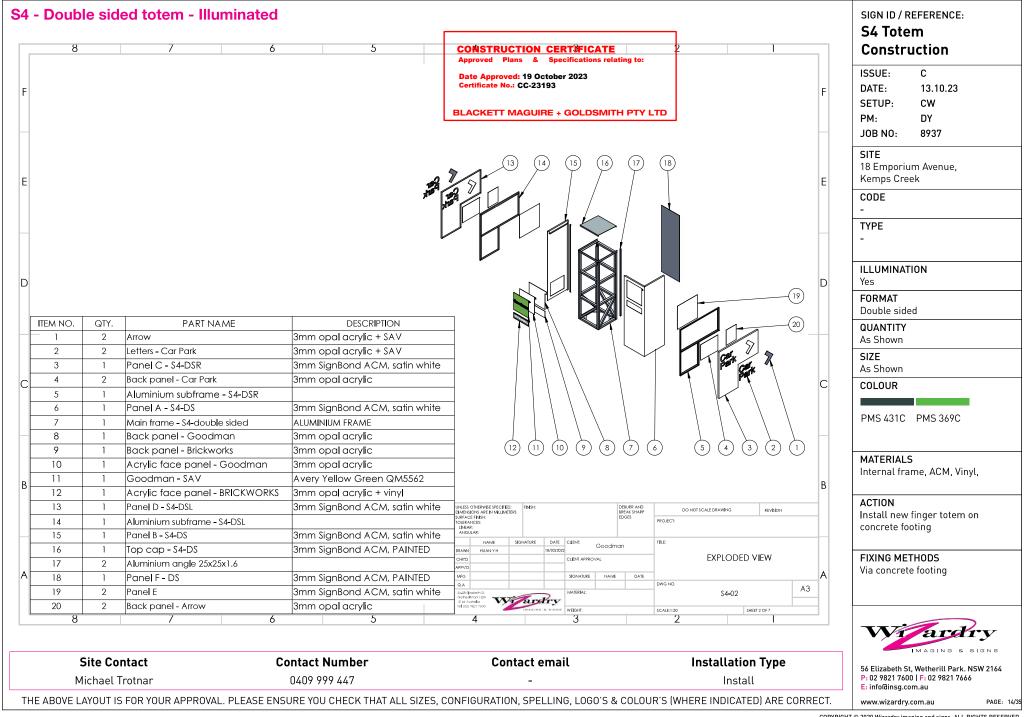


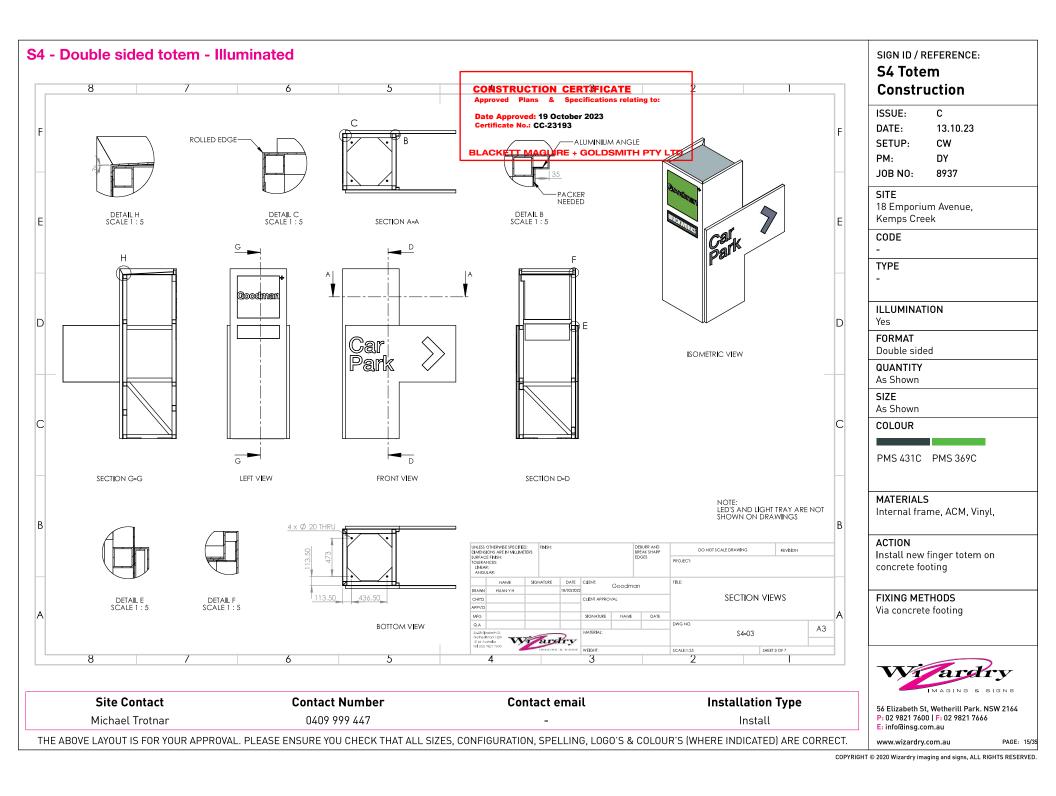


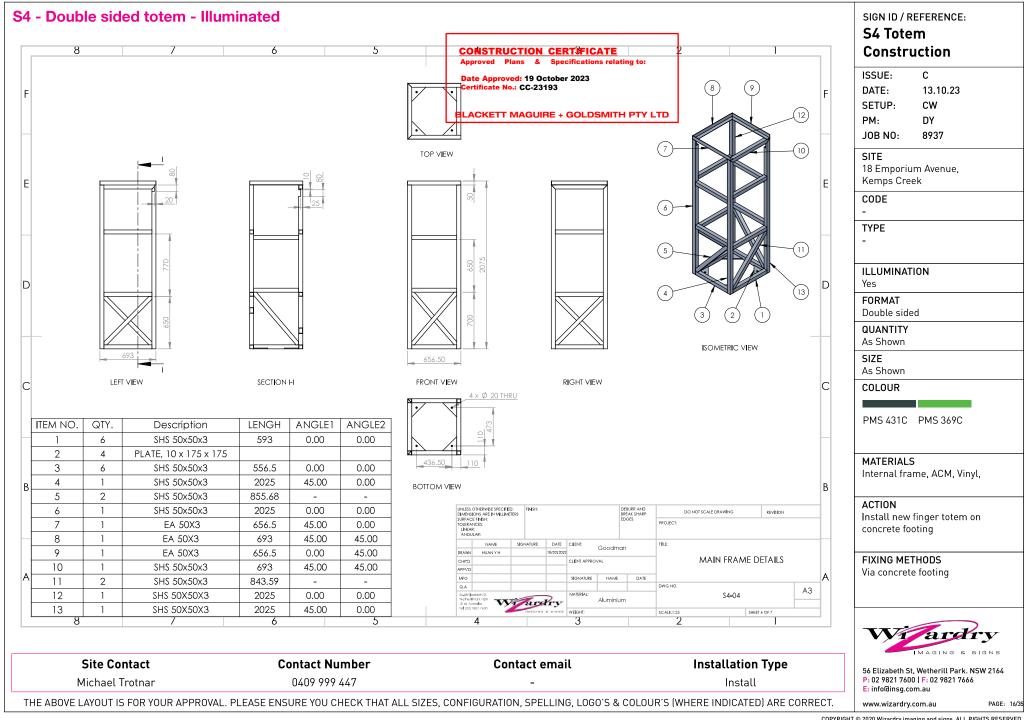
S4 - Double sided totem - Illuminated SIGN ID / REFERENCE: S4 Totem **CONSTRUCTION CERTIFICATE** Approved Plans & Specifications relating to: ISSUE: С **Date Approved:** 19 October 2023 Certificate No.: CC-23193 DATE: 13.10.23 SIGN LOCATION: REFER TO REFERENCE IMAGE ON NEXT PAGE BLACKETT MAGUIRE + GOLDSMITH PTY LTD SETUP: CW PM: DY 8937 JOB NO: SIDE D SITE 2pak painted ACM to match 700mm 18 Emporium Avenue, PMS 431C, Satin finish To be illuminated intracut lettering SIDE A SIDE C Kemps Creek letters to be flush to panels To be illuminated Unit a,b CODE Avery Ash Grey QM5571 700mm SIDE B Illuminated TYPE Avery Gunmetal Grey 983 **Emporium** (non illuminated) ILLUMINATION Avenue Unit a,b Unit a,b 18 18 FORMAT Double sided QUANTITY 1400mm Car Car As Shown Park Park SIZE As Shown ‡ 60mm COLOUR Tenant Logo Illuminated with 6500K bright white LED's 500mm W x PMS 431C PMS 369C 400mm H internally mounted. SIDE A VIEW SIDE C VIEW SIDE D VIEW 100mm MATERIALS Goodman logo to be illuminated 100mm Internal frame, ACM, Vinyl, Only white and orange to be illuminated +665mm 35mm ACTION Install new finger totem on 1x S4 Totem Avery Yellow Green QM5562 (Illuminated) concrete footing 1400 x 2100mm Avery Ash Grey QM5571 (Illuminated) (Double sided) Manufactured and finished in general accordance with Goodman Guidlines & directive, Installed on new concrete footing **FIXING METHODS** Avery Gunmetal Grey 983 Includes illuminated text and arrows Via concrete footing 2Pak painted PMS 431C **Location 2** Site Contact **Contact Number** Contact email Installation Type 56 Elizabeth St. Wetherill Park, NSW 2164 P: 02 9821 7600 | F: 02 9821 7666 0409 999 447 Michael Trotnar Install E: info@insg.com.au THE ABOVE LAYOUT IS FOR YOUR APPROVAL. PLEASE ENSURE YOU CHECK THAT ALL SIZES, CONFIGURATION, SPELLING, LOGO'S & COLOUR'S (WHERE INDICATED) ARE CORRECT. PAGE: 11/35 www.wizardry.com.au

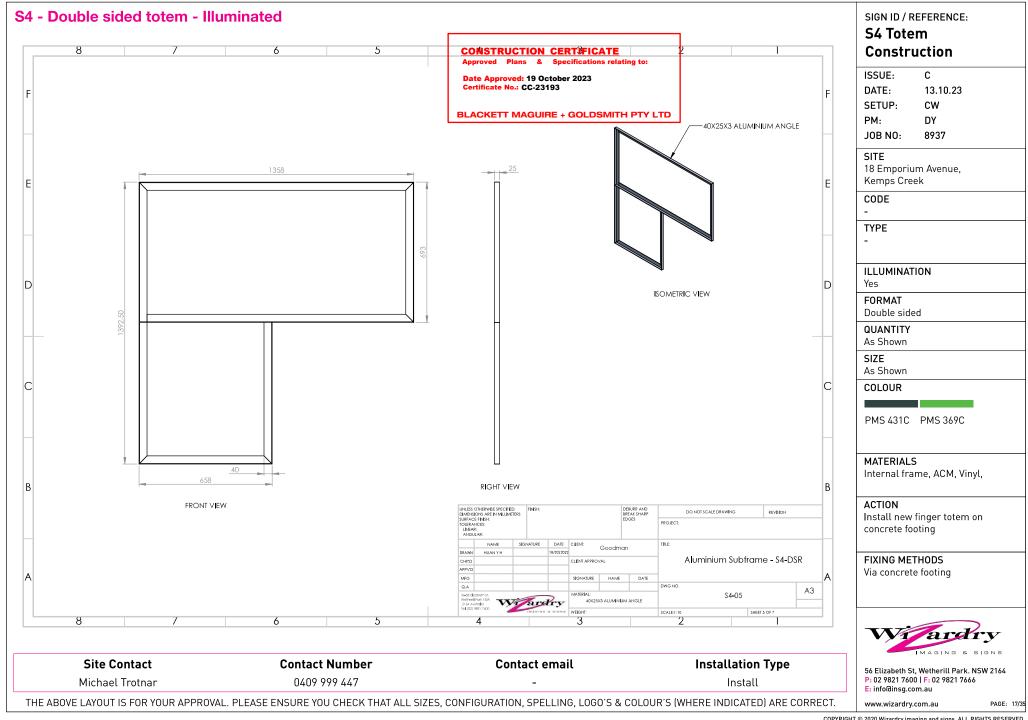


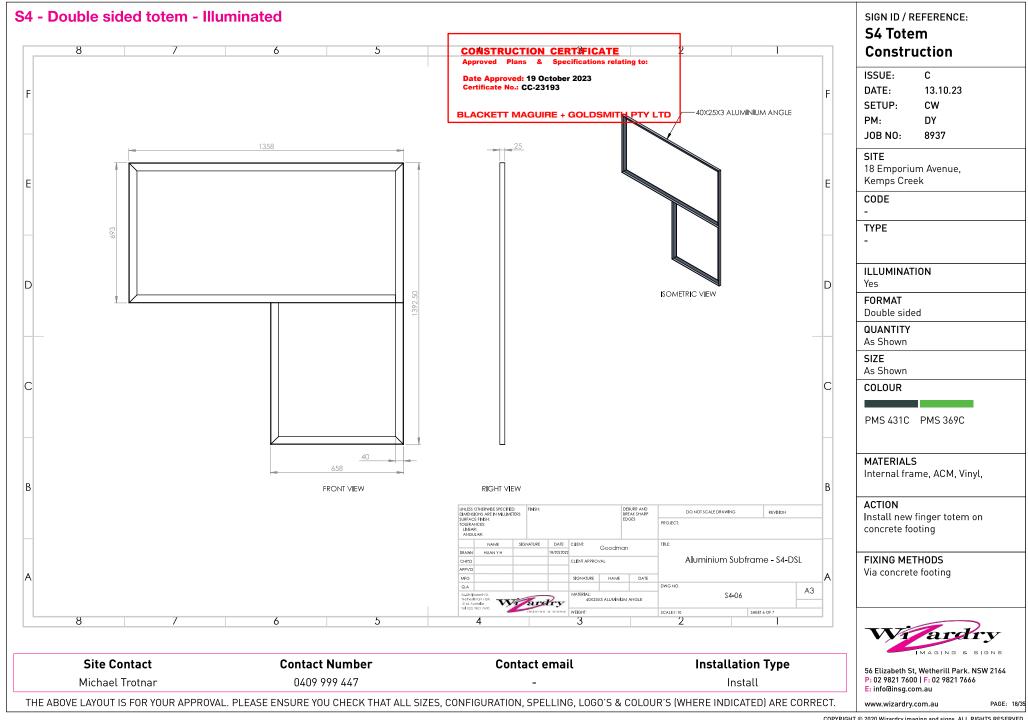


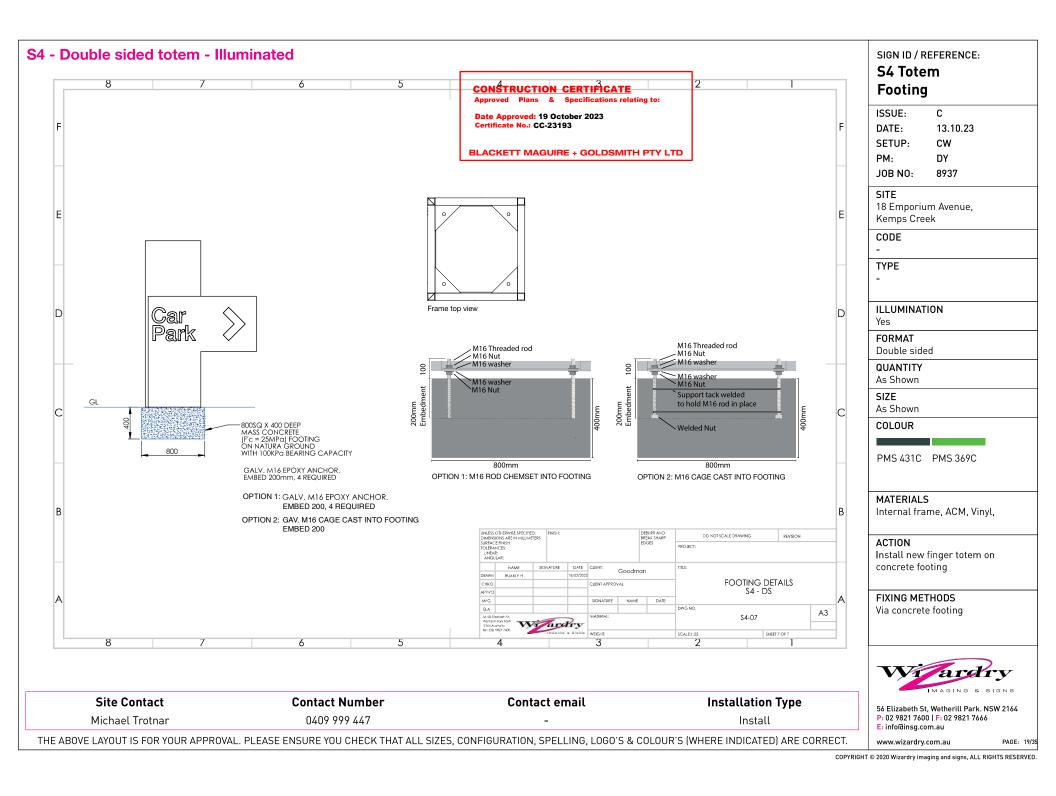




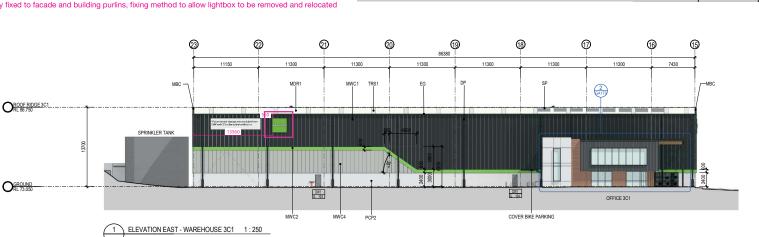








S6 - Flexface banner - Illuminated MEASUREMENTS TBC ON SITE **CONSTRUCTION CERTIFICATE** Plans & Specifications relating to: ed: 19 October 2023 D.: CC-23193 *Future tenant signage zone excluded from SOW and CC3 submission/certification Goodman Goodman 1x S6 Lightbox SIDE VIEW 2500 x 2500mm Custom fabricated backlit illuminated flex face structure with fabricated acrylic '+' Illuminated with 6500K bright white LED's internally mounted with no visible 'hot-spotting' Digitally printed fire rated PVC banner with satin clear UV coating. Mounted direct to wall onsite (will possibly require internal structure on opposite side of wall, TBD on site visit) Mechanically fixed to facade and building purlins, fixing method to allow lightbox to be removed and relocated



Location 3a

APPROX. SIZES TBC ON SITE

Site Contact **Contact Number** Contact email **Installation Type** 0409 999 447 Michael Trotnar Install

THE ABOVE LAYOUT IS FOR YOUR APPROVAL. PLEASE ENSURE YOU CHECK THAT ALL SIZES, CONFIGURATION, SPELLING, LOGO'S & COLOUR'S (WHERE INDICATED) ARE CORRECT.

SIGN ID / REFERENCE:

S6 Lightbox - 3a

ISSUE: С

DATE: 13.10.23 SETUP: CW PM: DY

8937 JOB NO:

SITE

18 Emporium Avenue, Kemps Creek

CODE

TYPE

ILLUMINATION

FORMAT

Single sided

QUANTITY As Shown

SIZE

As Shown

COLOUR

PMS 369C

MATERIALS

As shown

ACTION

Install new lightbox to building facade

FIXING METHODS

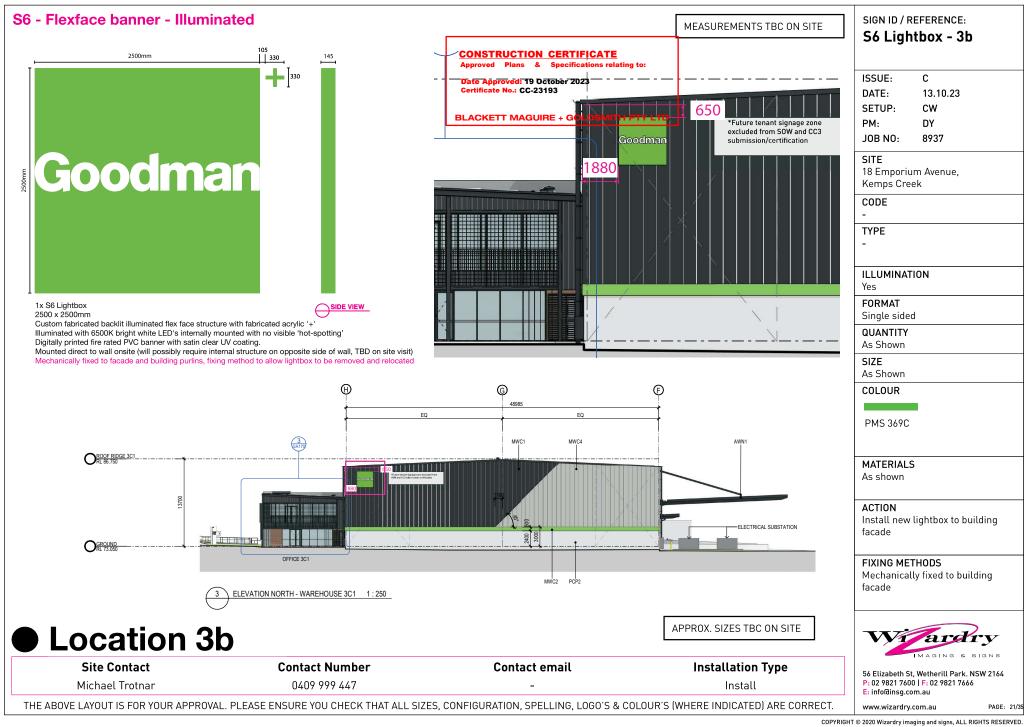
Mechanically fixed to building facade

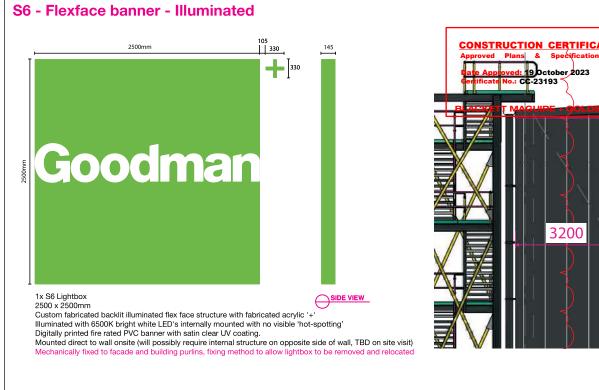


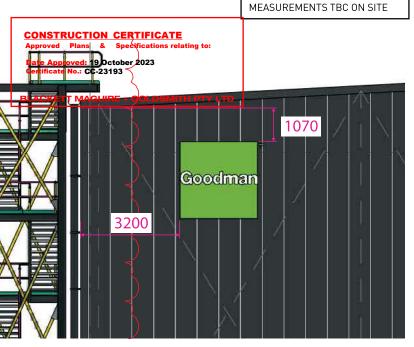
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www.wizardry.com.au

PAGE: 20/3







20M HEIGH OROOF RIDGE 3C2 LOWER GROUND 3 ELEVATION SOUTH - WAREHOUSE 3C2 1 : 250

Location 3c

APPROX. SIZES TBC ON SITE

Site Contact **Contact Number** Contact email **Installation Type** 0409 999 447 Michael Trotnar Install

THE ABOVE LAYOUT IS FOR YOUR APPROVAL. PLEASE ENSURE YOU CHECK THAT ALL SIZES, CONFIGURATION, SPELLING, LOGO'S & COLOUR'S (WHERE INDICATED) ARE CORRECT.

SIGN ID / REFERENCE:

S6 Lightbox - 3c

ISSUE: С

DATE: 13.10.23 SETUP: CW PM: DY 8937 JOB NO:

SITE

18 Emporium Avenue, Kemps Creek

CODE

TYPE

ILLUMINATION

FORMAT

Single sided

QUANTITY

As Shown

SIZE

As Shown

COLOUR

PMS 369C

MATERIALS

As shown

ACTION

Install new lightbox to building facade

FIXING METHODS

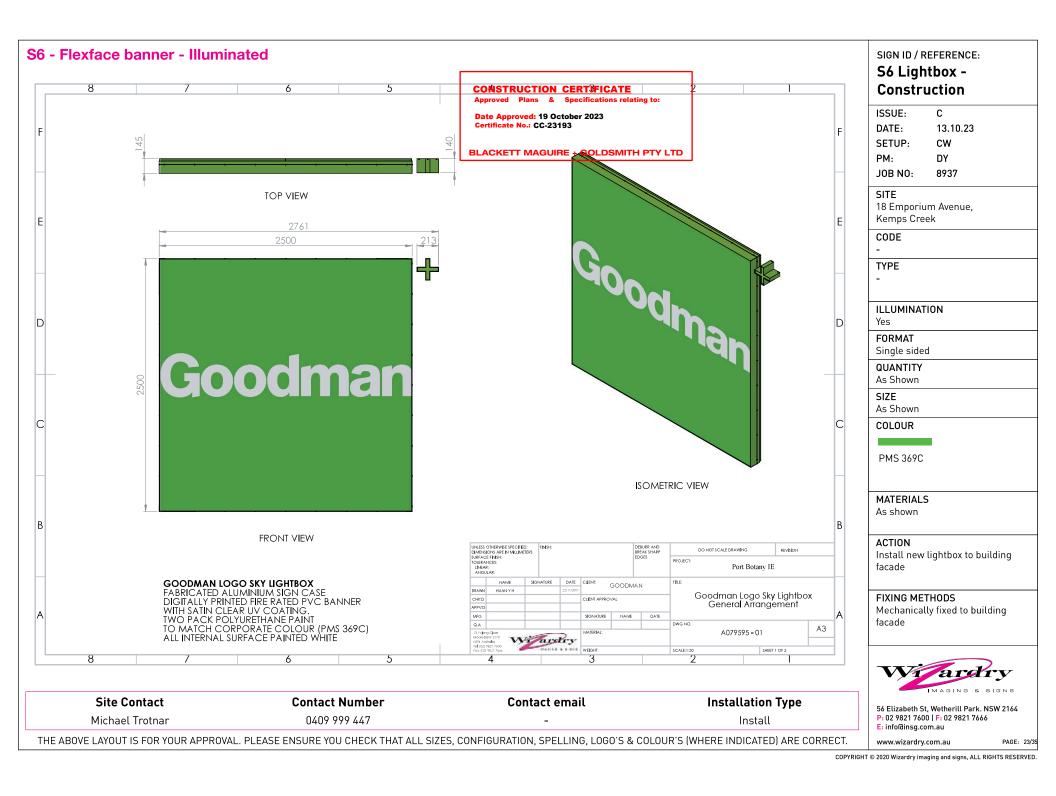
Mechanically fixed to building facade

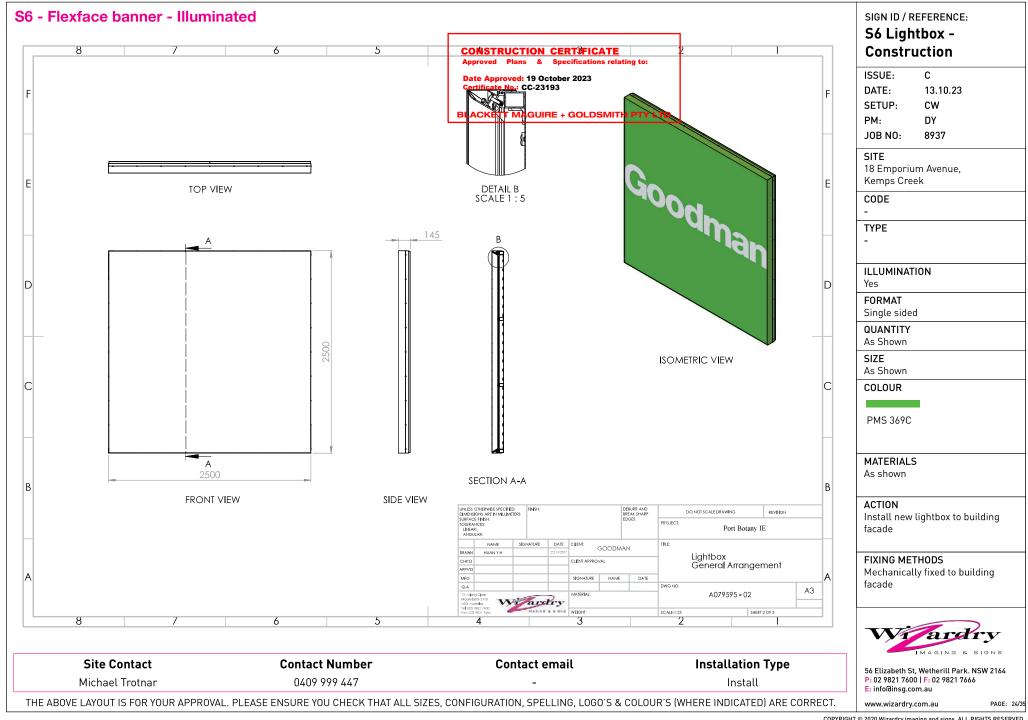


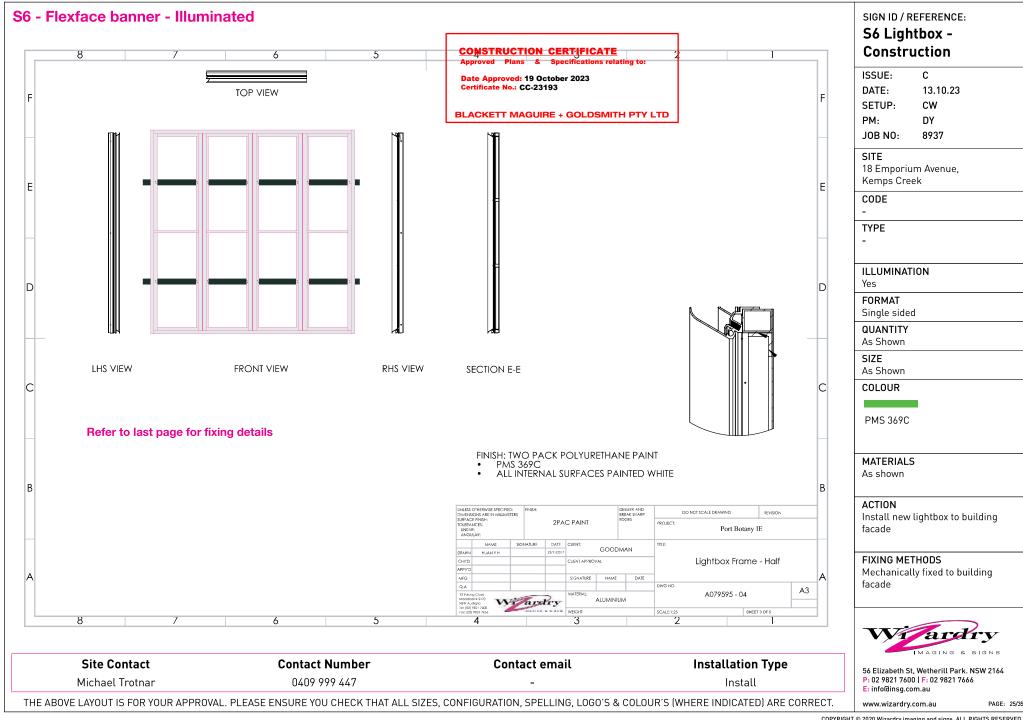
56 Elizabeth St. Wetherill Park, NSW 2164 P: 02 9821 7600 | F: 02 9821 7666 E: info@insq.com.au

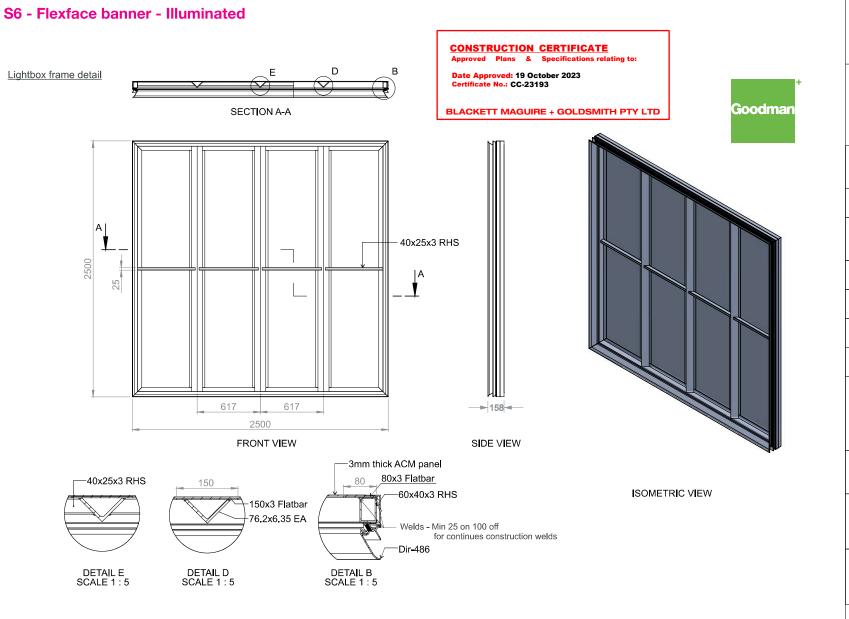
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PAGE - 22/35









SIGN ID / REFERENCE:

S6 Lightbox -Construction

ISSUE:

DATE: 13.10.23 SETUP: CW PM: DY 8937 JOB NO:

SITE

18 Emporium Avenue, Kemps Creek

CODE

TYPE

ILLUMINATION

FORMAT

Single sided

QUANTITY

As Shown

SIZE

As Shown

COLOUR

PMS 369C

MATERIALS

As shown

ACTION

Install new lightbox to building facade

FIXING METHODS

Mechanically fixed to building facade



56 Elizabeth St, Wetherill Park. NSW 2164 P: 02 9821 7600 | F: 02 9821 7666 E: info@insq.com.au

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PAGE: 26/35

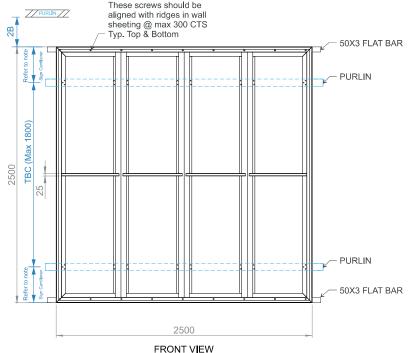
Site Contact Contact Number Contact email Installation Type

0409 999 447 Michael Trotnar Install

S6 - Flexface banner - Illuminated

Fixing detail





Additional reinforcing behind the sign is not required provided the following conditions are met:

- 1. The sign is secured to at least 2 horizontal building purlins (min BMT 0.8)
- 2. The sign cantilever is at most 45% of the sign height and either
 - a. Less than the purlin spacing supporting sign (for signs supported by 3 or more purlins use the smallest spacing) or
- b. The edge of the sign is within 200mm of a building purlin not supporting the sign. All screws Galv. 14g Hex head drill point

SIGN ID / REFERENCE:

S6 Lightbox -Construction

ISSUE:

DATE: 13.10.23 SETUP: CW PM: DY

SITE

JOB NO:

18 Emporium Avenue, Kemps Creek

8937

CODE

TYPE

ILLUMINATION

FORMAT

Single sided

QUANTITY

As Shown

SIZE As Shown

COLOUR

PMS 369C

MATERIALS

As shown

ACTION

Install new lightbox to building facade

FIXING METHODS

Mechanically fixed to building facade



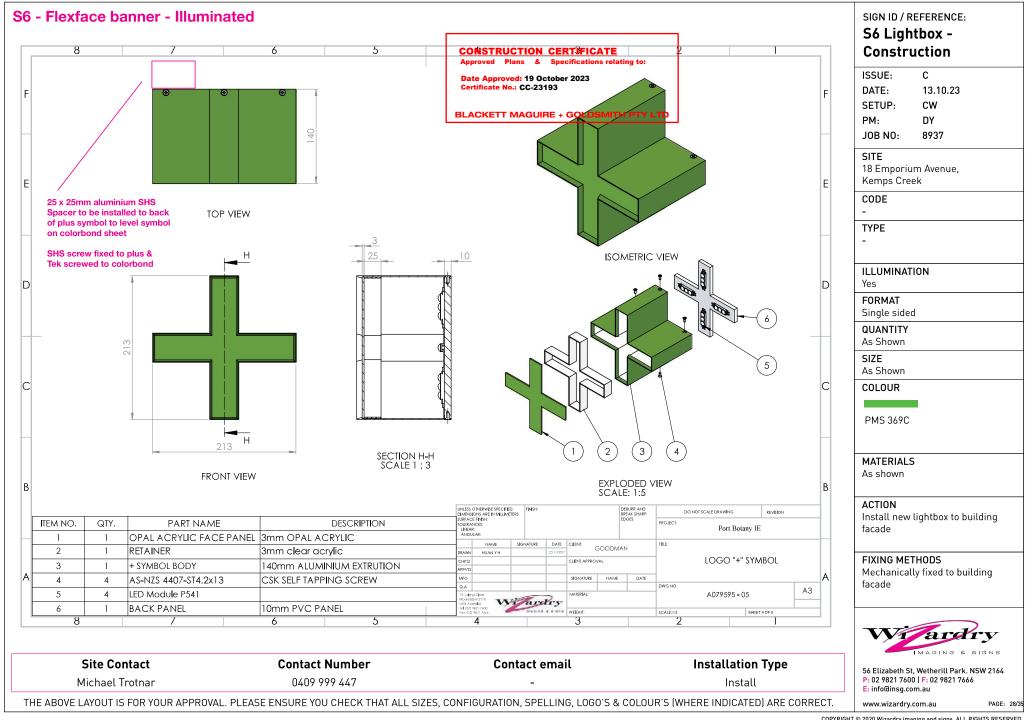
56 Elizabeth St. Wetherill Park, NSW 2164 P: 02 9821 7600 | F: 02 9821 7666

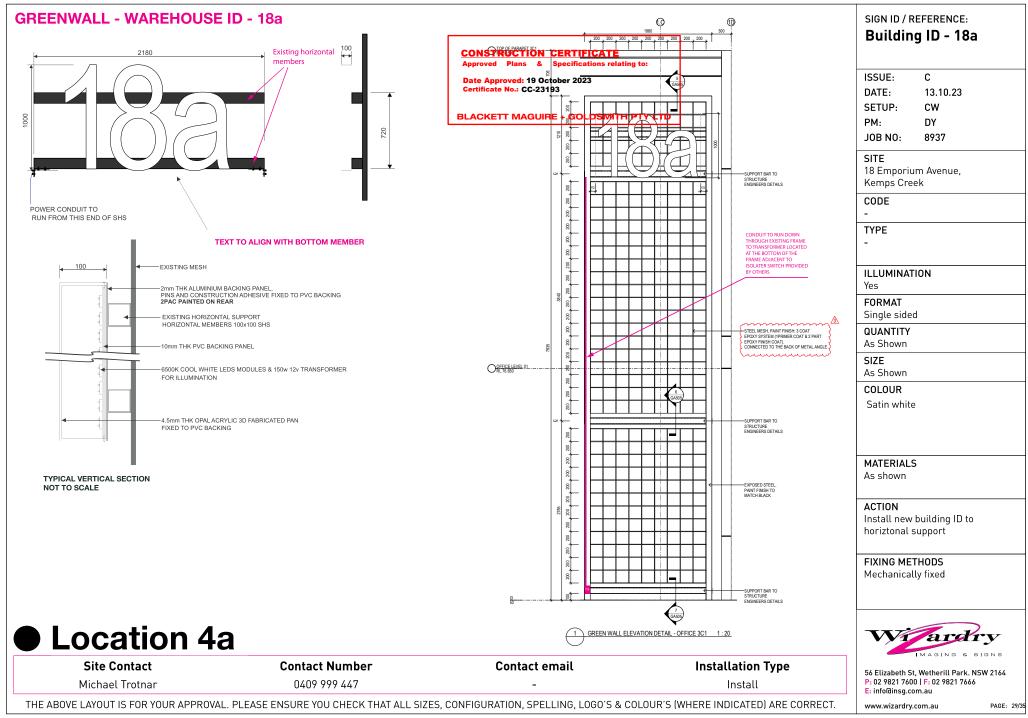
E: info@insq.com.au

PAGE: 27/35 www.wizardry.com.au

Site Contact **Contact Number** Contact email Installation Type

0409 999 447 Michael Trotnar Install





GREENWALL - WAREHOUSE ID - 18b SIGN ID / REFERENCE: **Building ID - 18b Existing horizontal** members **CONSTRUCTION CERTIFICATE** 2430 Approved Plans & Specifications relating to: ISSUE: С **Date Approved:** 19 October 2023 Certificate No.: CC-23193 DATE: 13.10.23 SETUP: CW **BLACKETT MAGUIRE + GOLDSMITH PTY LTD** PM: DY JOB NO: 8937 SITE 18 Emporium Avenue, Kemps Creek CODE OTOP OF PARAPET 3C2. POWER CONDUIT TO RUN FROM THIS END OF SHS TYPE **TEXT TO ALIGN WITH BOTTOM MEMBER** STRUCTURE ENGINEERS DETAILS ILLUMINATION EXISTING MESH -2mm THK ALUMINIUM BACKING PANEL, PINS AND CONSTRUCTION ADHESIVE FIXED TO PVC BACKING 2PAC PAINTED ON REAR FORMAT Single sided EXISTING HORIZONTAL SUPPORT STEEL MESH, PAINT FINISH: 3 COAT EPOXY SYSTEM (1PRIMER COAT & 2 PART QUANTITY HORIZONTAL MEMBERS 100x100 SHS EPOXY FINISH COAT). CONNECTED TO THE BACK OF METAL ANGLE As Shown 10mm THK PVC BACKING PANEL SIZE As Shown CONDUIT TO RUN DOWN THROUGH EXISTING FRAME TO TRANSFORMER LOCATED AT THE BOTTOM OF THE FRAME ADJACENT TO -6500K COOL WHITE LEDS MODULES & 150w 12v TRANSFORMER FOR ILLUMINATION COLOUR Satin white ISOLATER SWITCH PROVIDED -4.5mm THK OPAL ACRYLIC 3D FABRICATED PAN FIXED TO PVC BACKING **MATERIALS** As shown EXPOSED STEEL TYPICAL VERTICAL SECTION NOT TO SCALE ACTION Install new building ID to horiztonal support FIXING METHODS Mechanically fixed OLOWER GROUND ... **Location 4b** GREEN WALL ELEVATION DETAIL - OFFICE 3C2 1:20 Site Contact **Contact Number** Installation Type Contact email 56 Elizabeth St. Wetherill Park, NSW 2164 P: 02 9821 7600 | F: 02 9821 7666 0409 999 447 Michael Trotnar Install E: info@insq.com.au THE ABOVE LAYOUT IS FOR YOUR APPROVAL. PLEASE ENSURE YOU CHECK THAT ALL SIZES, CONFIGURATION, SPELLING, LOGO'S & COLOUR'S (WHERE INDICATED) ARE CORRECT. PAGE: 30/35

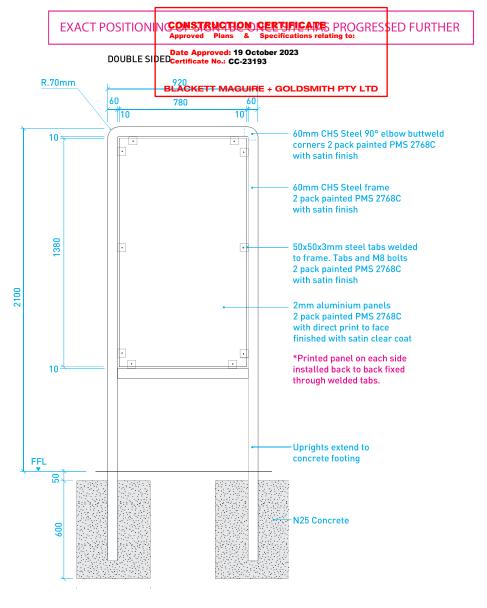
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Bike Sign TBC

QTY: 3

Artwork:





SIGN ID / REFERENCE:

С

Bike sign

ISSUE:

DATE: 13.10.23 SETUP: CW PM: DY 8937 JOB NO:

SITE

18 Emporium Avenue, Kemps Creek

CODE

TYPE

ILLUMINATION Non

FORMAT

Double sided

QUANTITY

As Shown

SIZE

As Shown

COLOUR

PMS 2768C



CMYK

MATERIALS

As shown

ACTION

Supply and install new bike sign

FIXING METHODS

Via concrete footing

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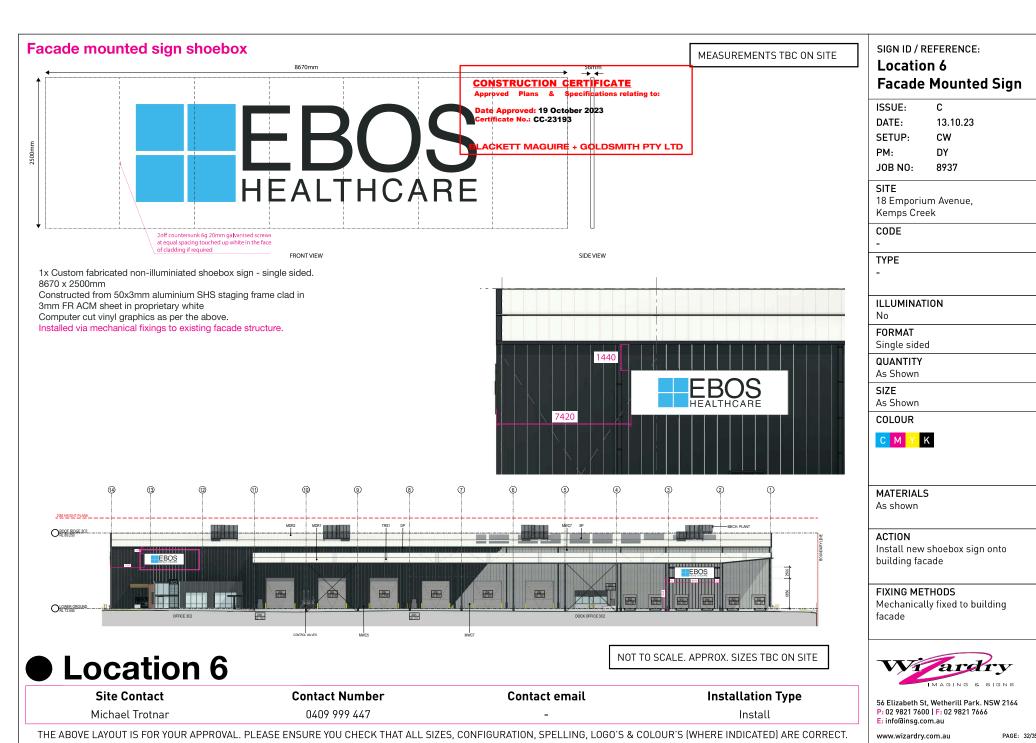
www.wizardry.com.au

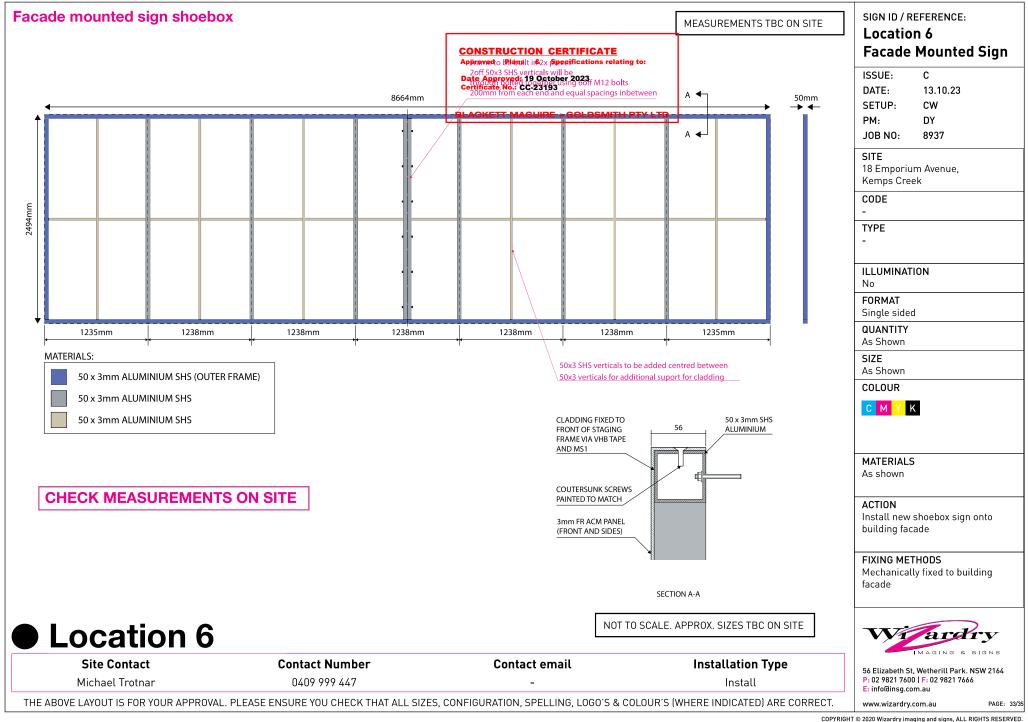
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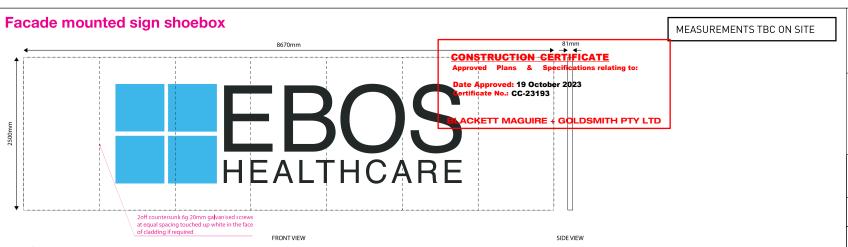
Location 5 (a,b)

Site Contact **Contact Number** Contact email Installation Type Install

0409 999 447 Michael Trotnar







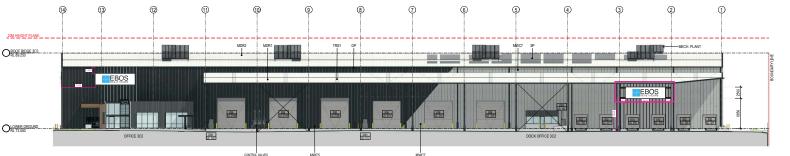
1x Custom fabricated non-illuminiated shoebox sign - double sided. $8670 \times 2500 \text{mm}$

Constructed from 75x6.35mm Structural SHS aluminium staging frame clad in 3mm FR ACM sheet in proprietary white

Computer cut vinyl graphics as per the above.

Installed via mechanical fixings to existing awning structure.





Location 7

NOT TO SCALE. APPROX. SIZES TBC ON SITE

Site ContactContact NumberContact emailInstallation TypeMichael Trotnar0409 999 447-Install

THE ABOVE LAYOUT IS FOR YOUR APPROVAL. PLEASE ENSURE YOU CHECK THAT ALL SIZES, CONFIGURATION, SPELLING, LOGO'S & COLOUR'S (WHERE INDICATED) ARE CORRECT.

SIGN ID / REFERENCE:

Location 7 Awning Mounted Sign

ISSUE: C

DATE: 13.10.23
SETUP: CW
PM: DY
JOB NO: 8937

SITE

18 Emporium Avenue, Kemps Creek

CODE

-

TYPE

-

ILLUMINATION

Νo

FORMAT

Single sided

QUANTITY

As Shown

SIZE

As Shown

COLOUR



MATERIALS

As shown

ACTION

Install new shoebox sign onto building facade

FIXING METHODS

Mechanically fixed to building facade

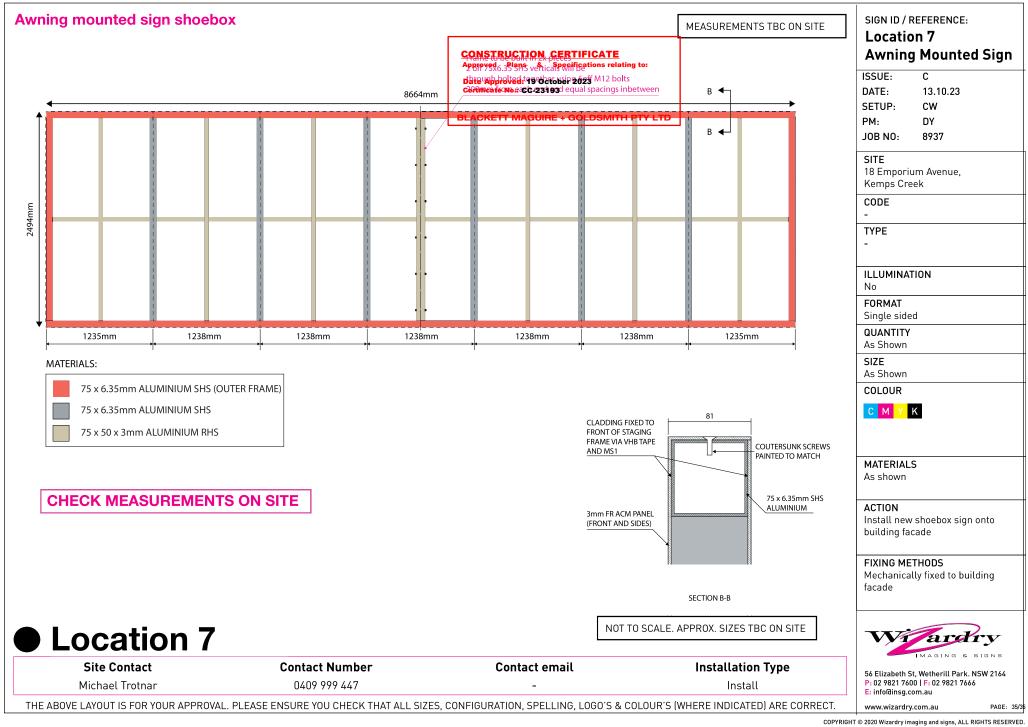


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PAGE: 34/35



	SIGN	GENEKAL NUTE	j
GENERAL		CONCRETE	

- GENERAL

 1. READ THESE DRAWINGS IN CONJUNCTION WITH ALL OTHER CONSULT CONSTRUCT ON NOTER THE CONTROL OF THE CONSULT CONSTRUCT ON NOTER THE CONSULT CONSTRUCT ON SHORT OF THE CONSTRUCT ON SHALL NOT COMMENCE UNTIL APPROVED BY DISCONSTRUCTION SHALL NOT COMMENCE UNTIL APPROVED BY DISCONSTRUCTION SHALL NOT COMMENCE UNTIL APPROVED BY DISCONSTRUCTION SHALL NOT COMMENCE UNTIL APPROVED BY DISCONSTRUCT ON SHALL NOT COMMENCE UNTIL APPROVED BY DISCONSTRUCT ON SHALL BE MADE IN CONCERTE MEMBERS WITHOUT THE AUTHORITY.

 5. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT NOT. CC. 2 SHIP WITHOUT SHALL BE A DELINE HORSON SHALL BE WADE IN CONCERTE SHALL BE COMPACTED WITH MECHANICA VIBRATORS.

 6. DO NOT SCALE THESE DRAWINGS FOR DIMENSIONS ARE IN MILLIMETERS AND ALL DIMENSIONS ARE THE COPPRIGHT OF ELEGANT BY SHALL BE HAS DEADLY DAY REFINES UNTIL DIVINE BY A GRADUAL DRYING OUT. MINIMUM USED. REPRODUCED OR COPPED, WHOLLY ON IN PART, WITHOUT THE WRITTEN

 1. THESE DRAWINGS ARE THE COPPRIGHT OF ELEGANT BY RIGHT BY SHALL BE A CHIEVED BY A GRADUAL DRYING OUT. MINIMUM CURRENT BY A PERIOD OF 5 DAYS FOLLOWED BY A GRADUAL DRYING OUT. MINIMUM CURRENT BY THE COPPRIGHT OF ELEGANT WITHOUT THE WRITTEN

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- 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, NEOFRENE PACKERS AND
 - ALL REINFORCEMENTS SHALL BE FIRMLY SECURED
- ALL REINFORCEMENT SHALL BE AS FOLLOWS TO AS4671

 N GRADE 500 NORMAL DUCTILITY DEFORMED BAR. 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 (LINO): SIGN HEIGHTS LESS THAN 5m AS IMPORTANCE LEVEL: 1, ANNUAL PROBABILITY OF EXCEEDANCE: 1 in 100 SIGN HEIGHTS GREATER THAN 5m AS IMPORTANCE LEVEL: 2,
 - ANNUAL PROBABILITY OF EXCEEDANCE: 1 in 500, TC2.0, Ms=1.0, Mt=1.00, WIND REGION A FOR GENERIC DESIGNS OR WHERE AN
- ADDRESS IS PROVIDED FOR THE INSTALL LOCATION
 THE SERVICE WIND SPEED FOR ALL SIGNS HAS BEEN CONSIDERED AS 80km/h

STRUCTURAL STEELWORK

- 1. ALL WORKMANSHIP AND MATERIALS (INCLUDING ERECTION AND FABRICATION) SHALL BE IN ACCORDANCE WITH AS4100
- 2. 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
 WELDED SECTIONS AS/NZS 3679.2 GRADE 300
- HOLLOW SECTIONS AS/NZS 1163 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.
- 5. BOLTS SHALL BE IN ACCORDANCE WITH AS1110, AS1111 AND/OR AS/NZS1252 AS
- APPROPRIALE

 BOIL'S SHALL BE INSTALLED IN ACCORDANCE WITH CLAUSE 15.2.3 OF AS4100 AND
 BOIL'S 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.
- 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

- 8. ALL WELDING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS1554.1,
 9. ELECTRODES SHALL BE TO EITHER AS1153, AS1858, AS2203 OR AS2717
- 10. 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

- 1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS1664 EXCEPT 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
- 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 MANUFACTURERS SPECIFICATION U.N.O.
- MANUFACTORIES SPECIFICATION U.N.U.

 2. FRANGIBILITY PERFORMANCE OF SIGNS WHERE REQUIRED IS TO BE ACHEVED USING PROPRIETARY PRODUCTS APPROVED BY THE RELELVANT AUTHORITY AND IS EXCLUDED FROM OUR DESIGN AND CERTIFICATION WHICH IS LIMITED TO WIND AND SELF WEIGHT

- CURING TIME PRIOR TO LOADING FOOTINGS SHALL BE 72 HOURS.

 7. REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY IN

- - R GRADE 250 NORMAL DUCTILITY PLAIN ROUND BAR
- 10. SITE BENDING OF DEFORMED REINFORCING BARS SHALL BE DONE WITHOUT HEATING USING MECHANICAL BENDING TOOLS.

 11. WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED UNLESS SHOWN ON THE
- STRUCTURAL DRAWINGS OR APPROVED BY THE ENGINEER.
- 12. MIN CONCRETE QUALITY SHALL BE AS FOLLOWS UNO

CONCRETE QUALITY						
ELEMENT	F' _c AT 28 DAYS	SLUMP	MAX. AGGREG.	COVER (mm)		
	(MPa)	(mm)	(mm)	INTERNAL	EXTERNAL	GROUND
PIERS & PADS	32	120	20	-	-	65

FOUNDATIONS

- 1. HAVE BEEN DESIGNED WITH THE FOLLOWING ALLOWABLE BEARING CAPACITIES (UNO) AND ARE TO BE ASSESSED BY THE INSTALLER ON SITE. 1.1. PAD FOOTINGS 50kPa.
- 1.2. PIERED FOOTINGS 100kPa.
 THESE ARE APPROXIMATE DESCRIPTIONS OF SOIL ALLOWABLE BEARING CAPACITIES.
- 50kPa IS LOOSE SAND AND IS DESCRIBED AS DEPOSITS READILY REMOVABLE BY SHOVELING ONLY AND INTO WHICH ARE SHARP POINTED WOODEN POST
 - 50mm SQUARE CAN EASILY BE DRIVEN WITH A HAMMER NOT EXCEEDING 5kg
 2.2. 100 kPa is MEDIUM DENSE SAND OR GRAVEL DEPOSITS REMOVABLE BY VIGOROUS SHOVELING AND INTO WHICH A SHARP POINTED WOODEN POST 50mm SQUARE CAN EASILY BE DRIVEN WITH A HAMMER NOT EXCEEDING 5kg.
- 2.3. 100 kPa IS FIRM CLAY WHICH MAY WITH MODERATE EFFORT BE PENETRATED TO A DEPTH OF 50mm BY THE THUMB.
- AS A FURTHER ASSESSMENT AN 80kg PERSON WITH THEIR LOAD SPREAD OVER A 10cmX10cm BOARD WILL EXERT A PRESSURE OF 80kPa.
- 3. FOOTINGS SHALL BE CONSTRUCTED AND BACKFILLED AS SOON AS POSSIBLE FOLLOWING EXCAVATION. EXCAVATIONS SHALL BE KEPT FREE OF PONDED WATER. LOCATE AND PROTECT ALL SERVICES PRIOR TO EXCAVATION.
- INSTALLER TO ASSESS POTENTIAL UNDERMINING OF EXISTING STRUCTURES IF FOOTING OF EXISTING STRUCTURE IS WITHIN 3 METRES OF NEW FOOTING.
- 6. BATTER EXCAVATION BACK TO ADJACENT SLOPE AT 1:4 GRADE AS REQUIRED.

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.

GOE OTHER PRINCE ENDERWIENT DEL THO NOT GEEGNO GIVO							
SIZE	M8	M10	M12	M16	M20	M24	ı
DEPTH	80	90	110	125	170	210	ı

- 5. CORE DRILLED AND/OR WET HOLES REQUIRE HEAVY DUTY EPOXY
 6. EPOXY SHALL BE AS FOLLOWS INSTALLED IN ACCORDANCE WITH THE
- MANUFACTURERS RECOMMENDATIONS:
- 6.1 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:
 - HILTI HY-110 RAMSET CHEMSET 101 PLUS POWERS KF2 OR AC100e
- 7. CONCRETE SHALL BE CURED FOR AT LEAST 21 DAYS PRIOR TO INSTALLING EPOXY
- 8. EPOXY ANCHORS INSTALLED INTO CONCRETE LESS THAN 21 DAYS OLD SHALL BE RAMSET CHEMSET RE0502 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

REV	DATE	DESCRIPTION		Project		
				D. Till		
			[E L E G A N I] E N G I N E E R I N G	Dwg Title SIGN GENERAL NOTES		
	ANT ENGIN	EERING	Ph (02) 9674 7601 mail@elegantengineering.com.au ABN 49 613 740 668	Designed Brendon Prentice 0413 797 890	Scale N.T.S. Size A4	Job No. / Dwg No. / Rev