

## Profile

- 3D/Industrial Designer or Drafter with over **12 years (out of total 24+ years)** of experience in designing and drafting and in various manufacturing methods and processes with a good knowledge of available materials and their properties.

## Objective

To be part-of/lead or to play an important role in designing projects which use or even challenge my ability to design or develop prototypes, concepts.

## Summary

- **SolidWorks Certified Professional**
- Motivated, self-starting and hard working with extensive experience in designing, manufacturing, prototyping, and operating various machinery.
- Experience in determining, managing and coordinating design processes and fabrication methods, from the start to the end within time frames and budgets while not compromising in quality, with proficient planning and implementation.

## Skills

Design specific –

| <i>2D graphical packages</i>                                                     | <i>3D graphical/CAD packages</i>                        |
|----------------------------------------------------------------------------------|---------------------------------------------------------|
| <b>Adobe CC</b><br><i>(Illustrator, Photoshop)</i><br><b>Scanvec FlexiDesign</b> | <b>SolidWorks</b><br><b>ToolPath</b><br><b>EnRouter</b> |

Machinery/Hardware specific –

| <i>CNC Machinery</i>                                     | <i>Digital Printers and Others</i>                                                                                                                 |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A2MC MultiCamm SL3615v,</b><br><b>MultiCamm 20210</b> | <b>Roland</b> <i>(Roll to roll large format printers)</i><br><b>Jetrix</b> <i>(UV Flatbed printers)</i><br><b>3D Printers</b><br><b>Laminators</b> |

## Education

- **Master of Digital Communications** from Monash University, Clayton in 2001.
- **Bachelor of Engineering** in Electronics and Communications from University of Madras in 1998.
- Trained in using digital printers and setting up profiles from **3M** in 2005.
- Trained in **leading teams** from **Chisolm Tafe** in Dandenong in 2009.

## Experience

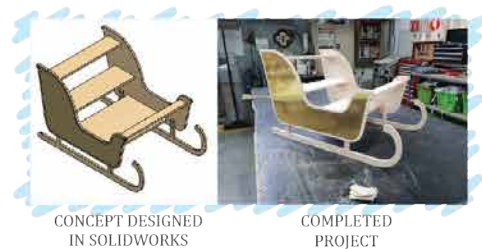
### **Contracting & Freelancing** (April 2015 -)

Contracting and freelancing with various clients utilizing my 3D designing & drafting skills along with the vast experience gained from previous jobs. *A few images to show a few of my past projects as a contractor to various clients.*

- Each project starts with a meeting with the client to discuss the requirements, scope and timelines of the project.
- Initial 3D modelling and designs are prepared in SolidWorks with all relevant information like materials to be used, fabrication methods, colors and sent to client for approval.
- If the client requires changes, revised drafts are sent with changes for approval.
- Once the draft is approved, production files (DXF/EPS/PDF) are set up to suit various machinery like CNC, Laser or digital printers.

Recent clients include –

- **KNS Metals**
- **Empire Signs & Graphics**
- **Pragma Design**
- **Forte Signs Pty Ltd**
- **Consolidated Group**



## Experience *(Continued...)*

### **ForteSigns Australia Pty. Ltd., Keysborough** (October 2007 - April 2015)

ForteSigns is a creative signage company specializing in various aspects of signage manufacturing like plastic fabrication, metal fabrication, 3D routing, just to name a few.

#### **Production Manager** (July 2022 - June 2023)

- Reporting to the General Manager, this role included planning of production, liaising with various departments like vinyl, design, logistics, painting, CNC, acrylic and metal fabrication, etc., investigation and procurement of materials for production, liaising with suppliers and external fabricators.
- Investigation and procurement of materials for production.
- Liaising with suppliers and external fabricators.
- Assist with design and production issues like problem solving and guide the staff to work smartly.

#### **Senior Design Specialist**

- Production of complex layouts and complex designs using **SolidWorks, Adobe Illustrator, Photoshop & FlexiSign;**
- 3D Modelling to clients' specifications in SolidWorks using various aspects of SolidWorks like **Sheetmetal, Surfaces and 3D modelling.**
- Determining manufacturing methods and monitoring design progress.
- Prototyping with various materials to help improve the model design.
- Liaison with clients regarding the production of Designs and liaise with suppliers.

*--- This job helped me develop practical and creative thinking to solve problems.*

### **Active Display Group, Mulgrave** (November 2004 – September 2007)

#### **Designing/Prototyping and Supervisor**

- Liaised with Estimators and Sales Reps and came up with prototypes as per specifications.
- Designed on MAC where necessary & gave options with various materials depending on the purpose.
- Received training to use **Mutoh Toucan** solvent printer along with **Poster Shop RIP**. Gained extensive knowledge of materials and hardware available in the market.
- Bulk trim to size various jobs screen, offset or digitally printed.

*--- This job provided me the opportunity to strengthen my skills of successfully working in a team environment.*

### **Sign A Rama, Prahran** (June 2003 – October 2004)

#### **Production Manager/Project Manager**

- Started as **Production Manager**. The job duties include handling all in house production plotting vinyl with Graphtec plotter, printing with Roland Soljet SC500, laminating, application, and painting, engineering new signs where necessary, installations and outsourcing when required. **Duties included liaison with clients, suppliers, and installers while managing the production.**



## **BP Shopfitting Services Pty Ltd** (April 2000 – April 2003)

### **Production Supervisor**

Started as casual assembler in April 2000 to assemble various signs for various clients. Acquired new responsibilities in July 2001 as **production supervisor** of one of the sections (**Digital Printing and Laminating**) in the company.

- **Job duties** included reproducing or designing signs on computers and manufacture them using various hardware, laminate them and pack according to the job sheets.

## **Others**

Worked in an electronics company developing Online and Offline UPS in India before coming to Australia in 2000. My role in the company involved developing embedded code for 8051 MicroController to generate a perfect near sinewave to feed to MOSFET inverter circuit. I'm proud to say that the project got approval from IIT Chennai, and the company is still using the code.

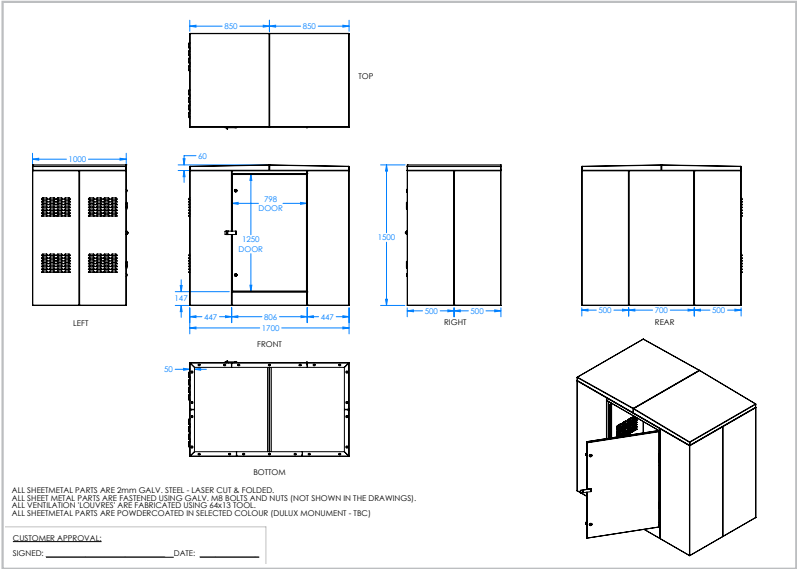
## **References**

Supplied on request.

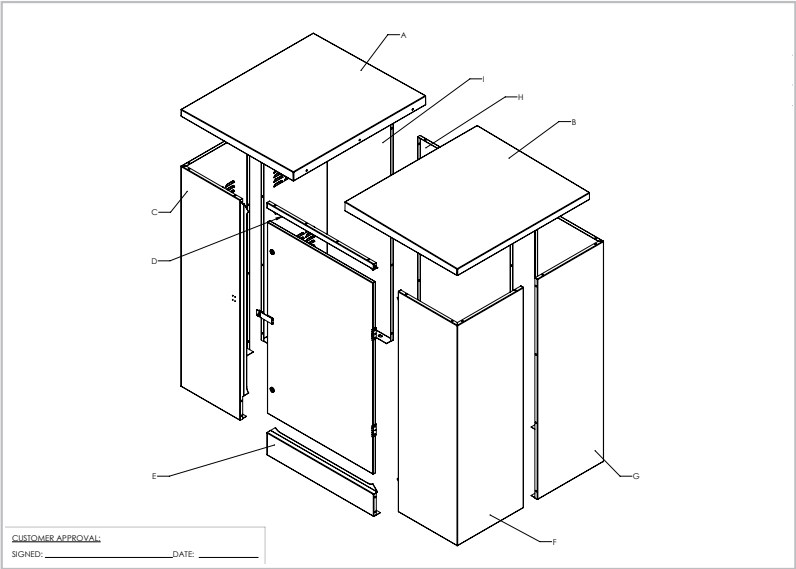
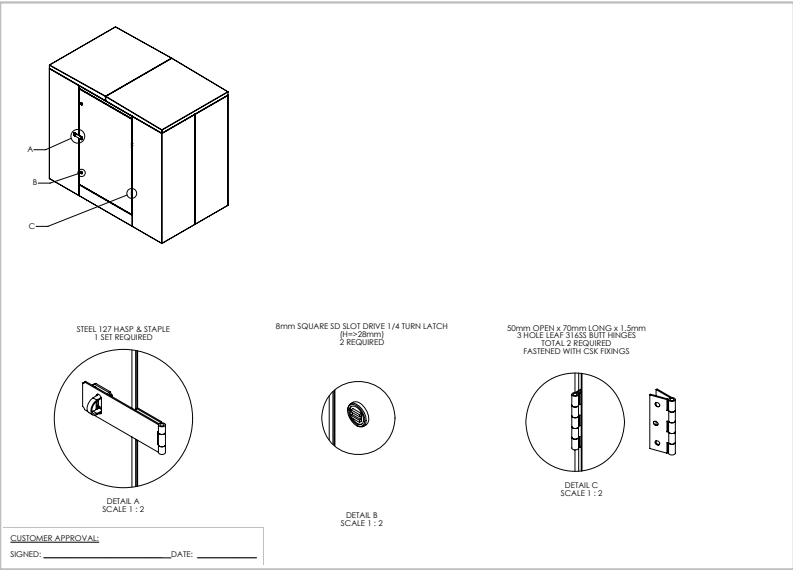
## **Last Word**

*Producing a high-quality piece of work in a limited time frame has never been a constraint to me. I take pride in stating that I go to extraordinary lengths in achieving my goals in terms of work. And learning in the process is always top on my priorities list.*

----- Please see some samples of my work assisting a few clients in the following pages -----

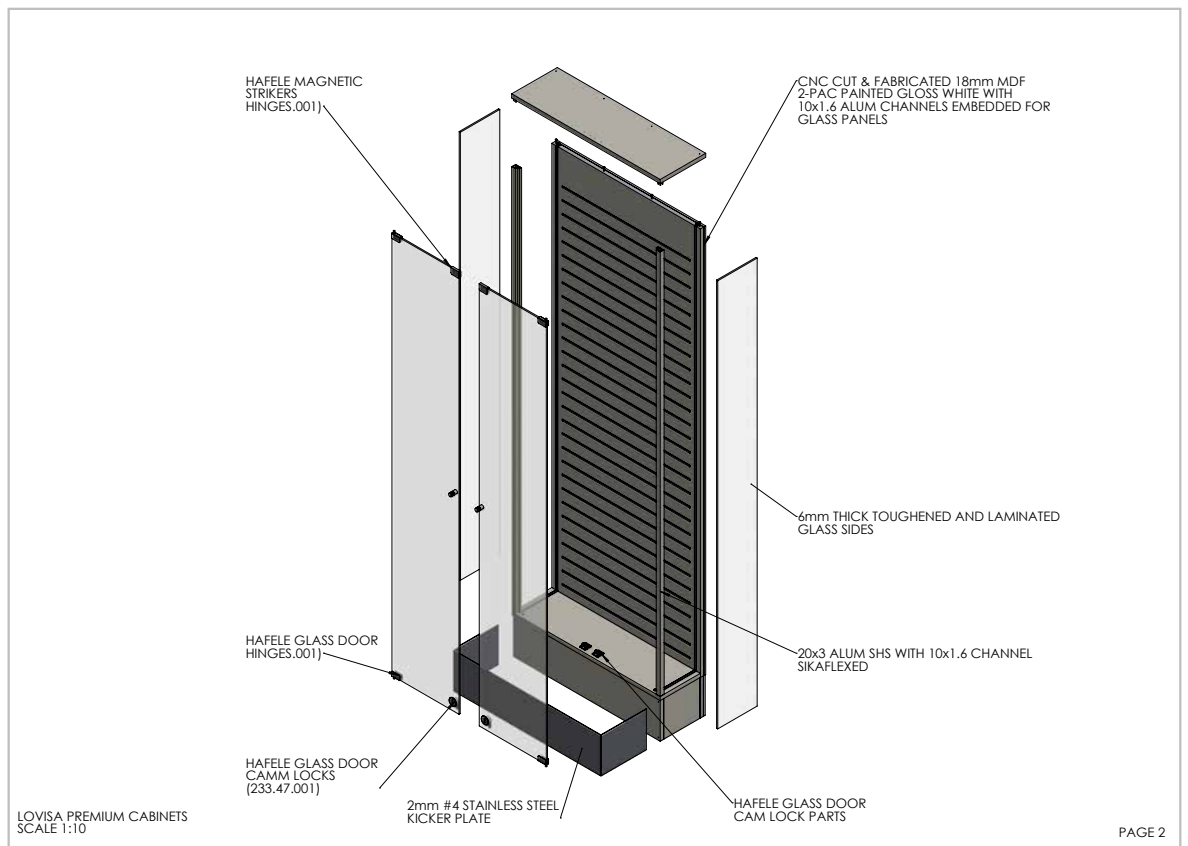
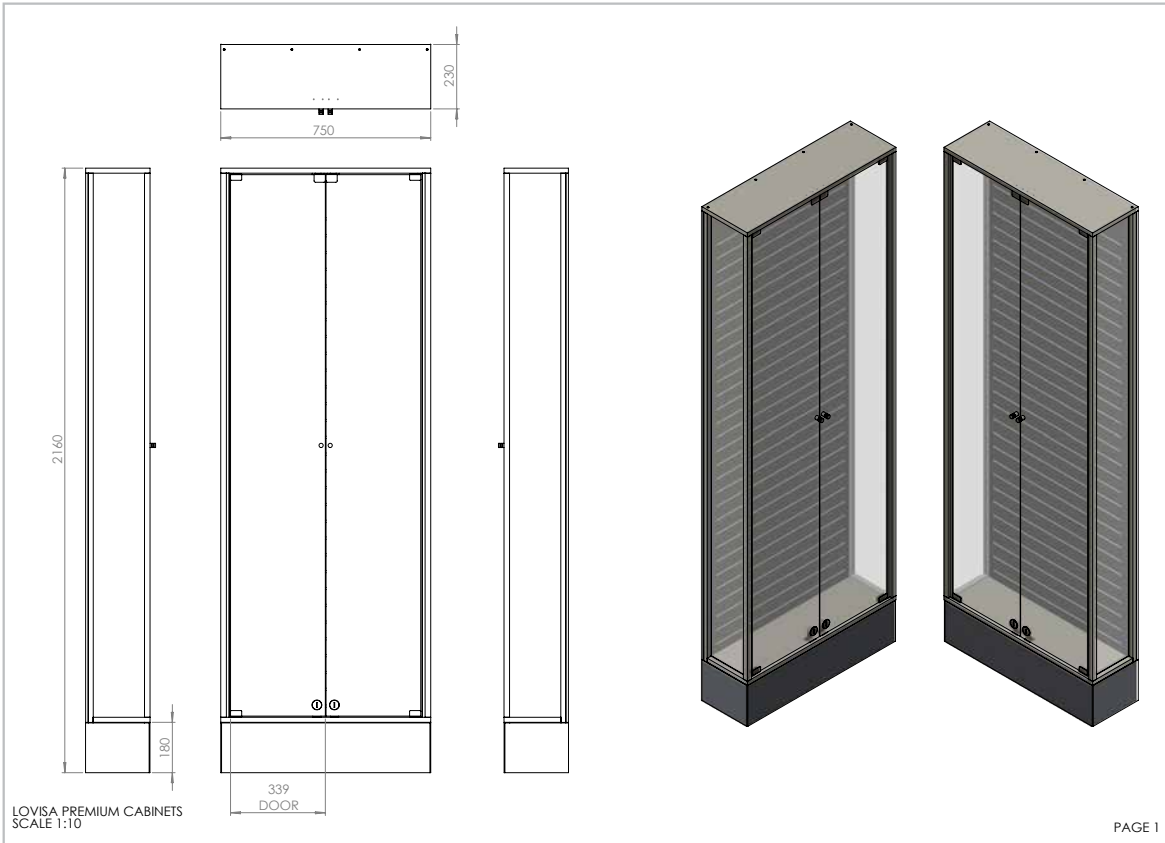


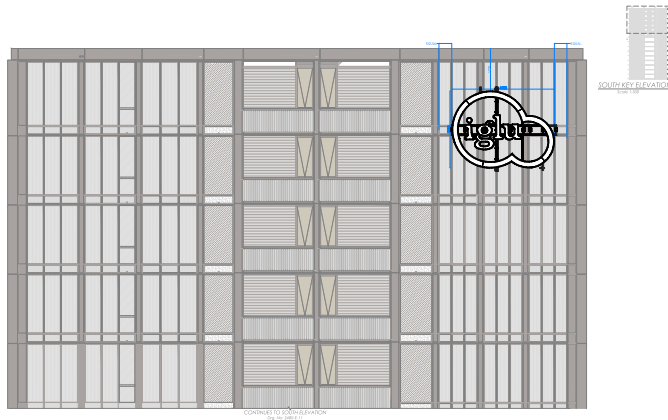
GT WaterTech  
2mm Galv. Steel Enclosure



## LOVISA PREMIUM CABINETS

18mm MDF and 6mm Glass





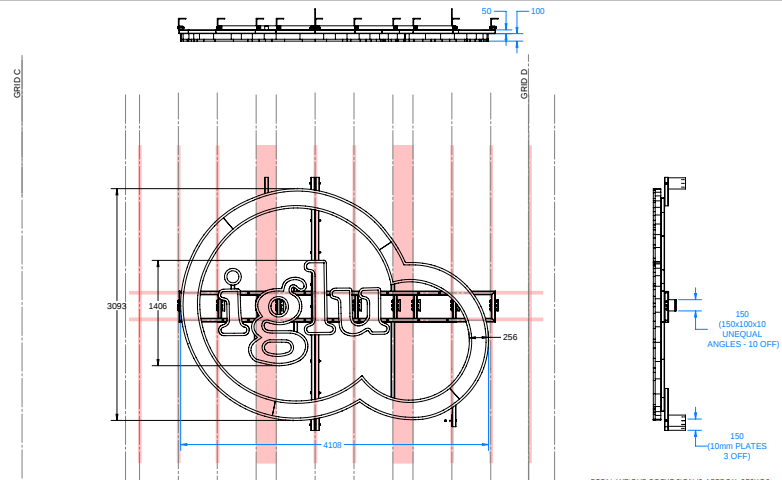
**IDENTIFICATION SIGN SET OUT ON FACADE**

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| Revision | Date     | Description                                                                                        | Client                                              |
|----------|----------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| 1        | 28/01/22 | HIGH WALL, INTERNALLY ILLUMINATED & BUSINESS IDENTIFICATION SIGN - overview & fabrication details. | Project - IGLO SR<br>Drawing -<br>Number - 01 of 01 |

Job -  
Scale 1.75  
Date 2/8/9  
Rev 1



**TOTAL WEIGHT OF THE SIGN IS APPROX. 350KGS**

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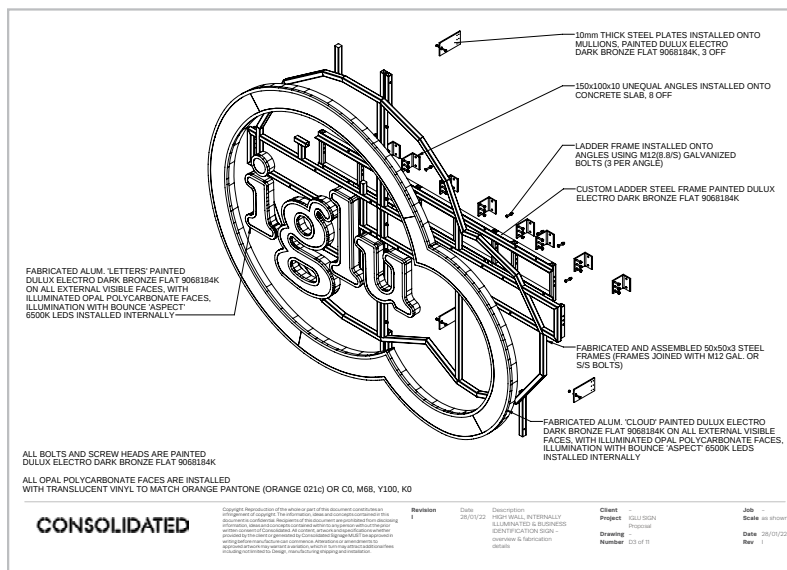
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| Revision | Date     | By  |
|----------|----------|-----|
| 1        | 28/05/22 | ... |

Client -  
Project IGLU SIGN  
Proposal  
Drawing -  
Number 02 of 11

as shown  
28/01/22  
1

**IGLU**  
*SkySign*

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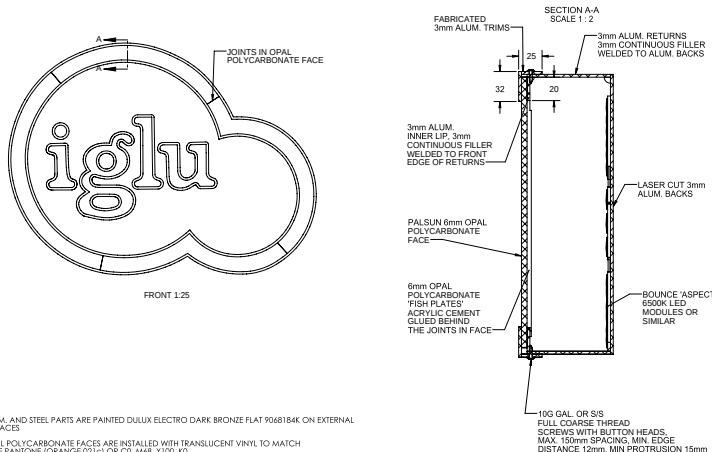
Revision

|     |                                                                                         |
|-----|-----------------------------------------------------------------------------------------|
| /22 | Description<br>HIGH WALL, INTERNALLY<br>ILLUMINATED & BUSINESS<br>IDENTIFICATION SIGN - |
|-----|-----------------------------------------------------------------------------------------|

|         |   |
|---------|---|
| Client  | - |
| Project | 1 |
| Drawing | 1 |

Job -  
Scale as shown  
Date 28/01/22

100



ALL ALUM. AND STEEL PARTS ARE PAINTED DULUX ELECTRO DARK BRONZE FLAT 9068184K ON EXTERNAL VISIBLE FACES

ALL OPAL POLYCARBONATE FACES ARE INSTALLED WITH TRANSLUCENT VINYL TO MATCH ORANGE PANTONE (ORANGE 021c) OR C0 M48 Y100 K0.

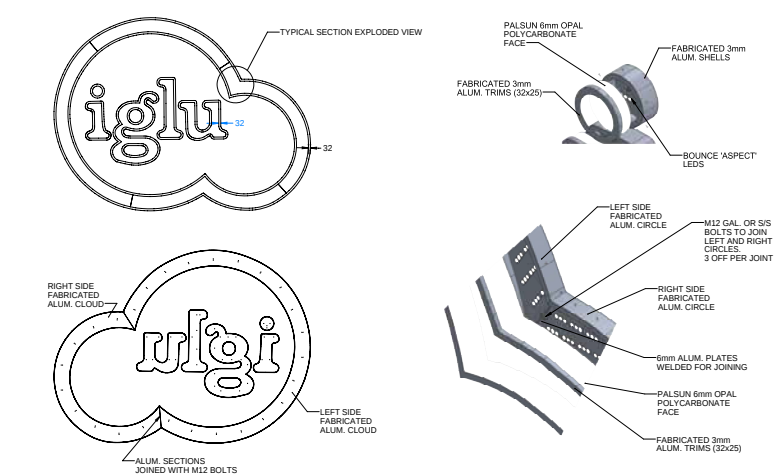
**TOTAL ASSEMBLED WEIGHT OF CIRCLESIA APPROX. 120KGS**

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|                 |             |                                                                                                    |                                                                                  |
|-----------------|-------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <b>Revision</b> | <b>Date</b> | <b>Description</b>                                                                                 | <b>Client</b>                                                                    |
| <b>1</b>        | 26/01/22    | HIGH WALL, INTERNALLY ILLUMINATED & BUSINESS IDENTIFICATION SIGN - overview & fabrication details. | <b>Project</b> - IGLU SH<br><b>Drawing</b> - Proposal<br><b>Number</b> - D4 of 1 |

Job -  
Scale 1000  
Date 28/11/2011  
Rev 1

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| Revision | Date     | Change  |
|----------|----------|---------|
| 1        | 28/01/22 | Initial |
|          |          |         |
|          |          |         |
|          |          |         |

Client -  
Project IGLU SIGN  
Proposal  
Drawing -  
Number 05 of 11

as shown  
28/01/22  
1