World Leading LED Displays

FS8 Outdoor Fixed Display

· Uniform color and high contrast ratio,bringing up fresh and natural image

· Low power consumption and fine heat release

· Super wide viewing angle increasing its value by covering more audience

· No deformation under sunlight by the use of anti-UV modules

· Long service time and low attenuation by applying duel channels for heat dissipation

· High protection grade of IP65 achieved by applying duel channels for heat dissipation

· High protection grade of IP65 achieved by patented mask design with waterproot and dustproof fucntion

· Safe and reliable operation ensured by stable signal nad power supply
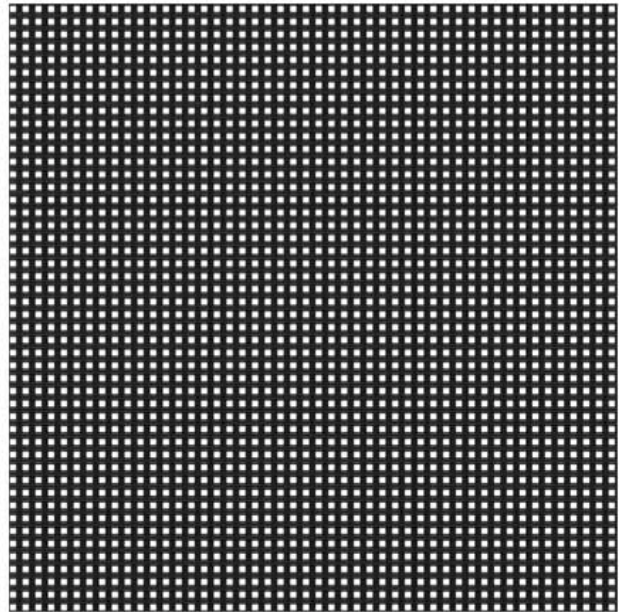
■ Front Maintenance Illustration

Fast disassembly SMD module
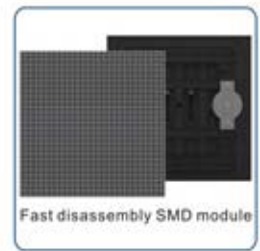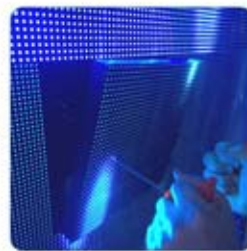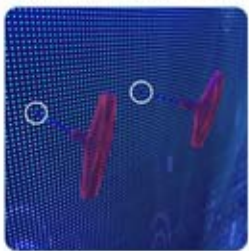
Item	Value	
Pixel Pitch(mm)	8	
Pixel Density(pixels/㎡)	15625	
Pixel Configuration	SMD	
Viewing Angle(deg.)	160(Horizontal), 160(Vertical)	
Brightness(nits)	≥5500	≥6500
Grey Level(bit)	12/14/16	
Refresh Rate(Hz)	1920/2880/3840	
Panel Size(mm)	960(W)×960(H)×130(D)	1024(W)×1024(H)×130(D)
Panel Size(inch)	37.80(W)×37.80(H)×5.1(D)	40.3(W)×40.3(H)×5.1(D)
Panel Resolution(pixels)	120×120	128×128
Panel Material	Aluminum/Iron	
Weight(kg/㎡)	≤45/≤55	
Module Size(mm)	240(W)×240(H)	256(W)×256(H)
Module Size(inch)	9.45(W)×9.45(H)	10.08(W)×10.08(H)
Module Resolution(pixels)	30×30	32×32
Protection Grade(Front/Rear)	IP65/IP54	
Serviceability	Front/Rear	
Voltage(V)	AC 100~AC 240	
Avg.Power Consumption(W/㎡)	153 （AC)	
Max.Power Consumption(W/㎡)	610 （AC)	
Operating Temp/Humidity(°C/%RH)	-20~50/10~90	
Storage Temp/Humidity(°C/%RH)	-40~60/0~90	
Lifetime(Normal Temp)(hours)	100000	
Compliant Standard	CE FCC RoHS	

Notes: Specifications are for reference only. Please contact our salesperson for details. All rights are reserved to LianTronics

PRIMARY

SECONDARY

WIRELESS AP

UBIQUITI NANOBEAM M5

RJ45 | -

POE INJECTOR

UBIQUITI

- | RJ45

POE

RJ45 | -

LAN

SENDING CARD/PLAYER

NOVA STAR TB3

- | RJ45

- | 4 PIN

ETHERNET

LIGHT

RJ45 | -

RJ45 | -

1
LED OUT

BACKUP
LED OUT

RECIEVING CARD

NOVASTAR MRV 330

- | RJ45

- | RJ45

16 | -

MONITORING CARD

NOVASTAR MON 300

- | 16

LIGHT SENSOR

NOVA STAR

- | -

RECIEVING CARD

NOVASTAR MRV 330

- | RJ45

- | RJ45

16 | -

MONITORING CARD

NOVASTAR MON 300

- | 16

1   SIGNAL LINE DIAGRAM

SCALE = NTS

DO:
MUST KEEP CLEAR FRONT
OF PANEL CLEAR FOR
OPTIMUM AIRFLOW

DONT:
BLOCK BOTTOM INTAKE
VENT

AIR EGRESS
MUST KEEP CLEAR

FRONT

AIR INTAKE
MUST KEEP CLEAR
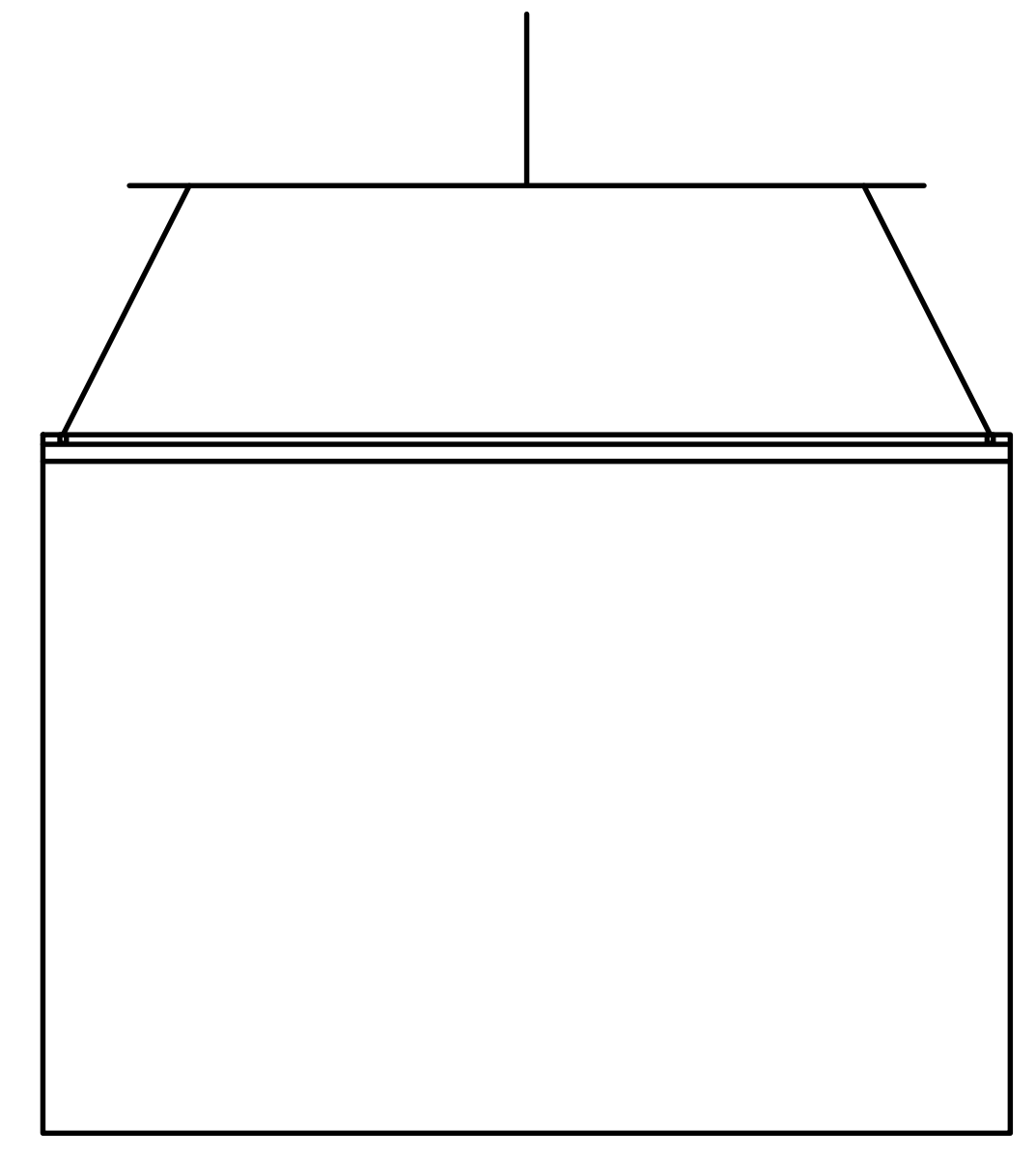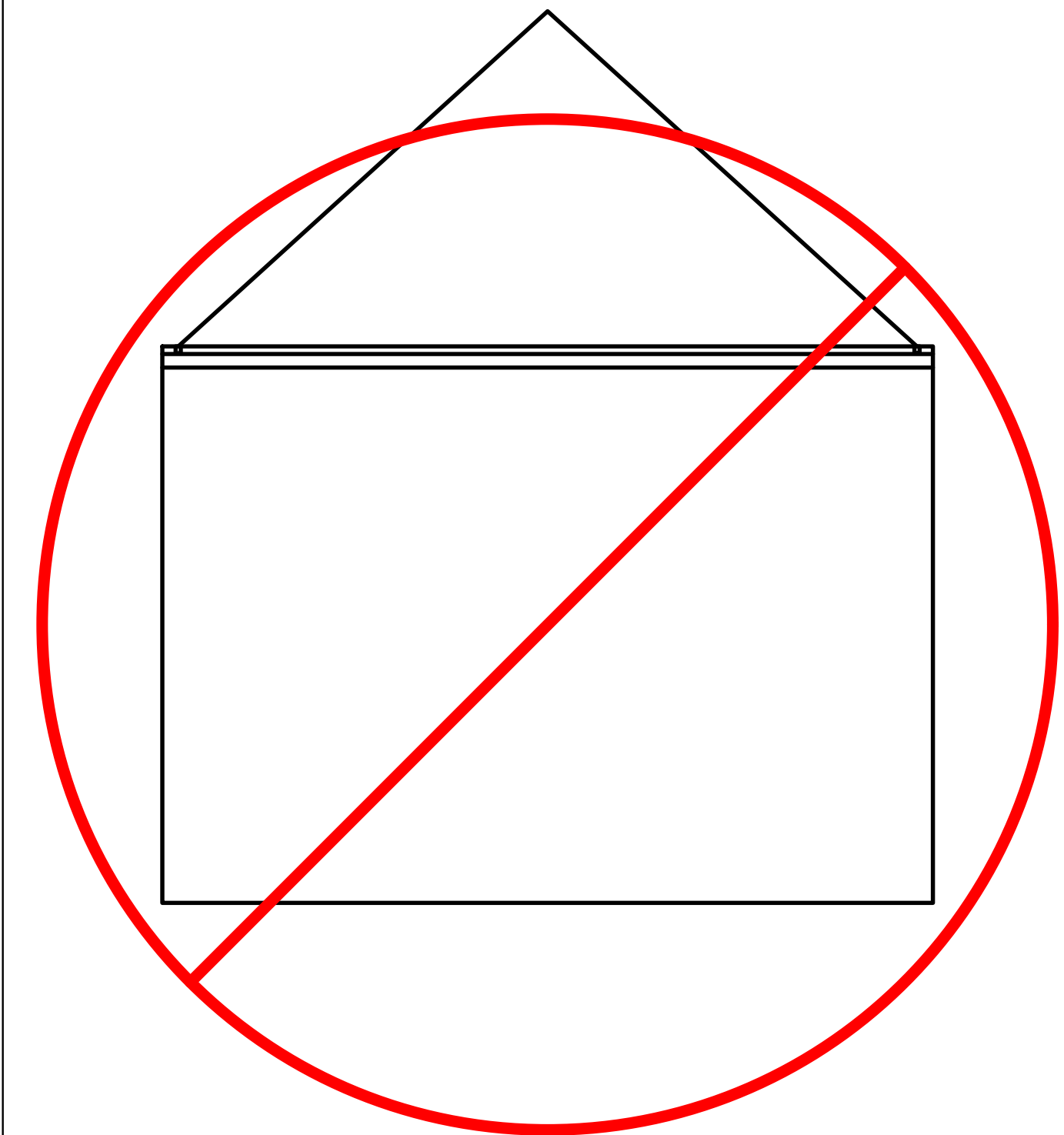
1 AIRFLOW   SCALE = NTS

2 RIGGING DETAIL   SCALE = NTS

NOTES:
ELECTRICAL REQUIREMENTS
    (1) DEDICATED 20AMP 120V CIRCUIT PER 4X6 (10MM) PANEL
    (1) DEDICATED 15AMP 120V CIRCUIT PER 3X5 (10MM) OR 2X3 (8MM)
    PANEL

    TWO 4X6 (10MM) MESSAGE CENTERS HAVE A COMBINED MAX DRAW OF
    1900W INCLUDING LED COMPONENTS, FANS, CONTROLLER &
    COMMUNICATIONS ARRAY.

    TWO 3X5 (10MM) MESSAGE CENTERS HAVE A COMBINED MAX DRAW OF
    1250W INCLUDING LED COMPONENTS, FANS, CONTROLLER &
    COMMUNICATIONS ARRAY.

    TWO 2X3 (8MM) MESSAGE CENTERS HAVE A COMBINED MAX DRAW OF
    750W INCLUDING LED COMPONENTS, FANS, CONTROLLER &
    COMMUNICATIONS ARRAY.

3 NOTES   SCALE = NTS

Client Name / Site Location:

Issued For:
INSTALLATION

Designed by: LADUKE/SMITH
Drawn by: K ROELFSEMA
Approved by:
VCS Rep.:
Project #:
Scale: AS NOTED

Drawing History:
Description
Date
Rev #

Project Name, System / Room:
LED ROAD SIGN
AUDIO VIDEO COMMUNICATIONS

Drawing Title:
DETAIL
SHEET 2 OF 3

Drawing Sheet Number:
AV-401

M12 BOLT LIFT LOCATION.
MUST FILL WITH CAULK OR
SEALANT POST
INSTALLATION

RECOMENDED
MOUNTING
LOCATION
(4 PER PANEL)

3" FROM
TOP/BOTTOM
1" FROM
LEFT/RIGHT EDGE

AIR EGRESS
MUST KEEP CLEAR

AIR INTAKE
MUST KEEP CLEAR

LIGHT SENSOR LOCATION
(MAIN PANEL ONLY)

POWER AND DATA
INPUT/OUTPUT LOCATION

POWER AND DATA
INPUT/OUTPUT LOCATION
(SECOND PANEL)

$3\frac{3}{4}$

$57\frac{1}{2}$

$7\frac{1}{2}$

$6\frac{3}{4}$

$41\frac{3}{8}$

$5\frac{3}{8}$

$6\frac{1}{2}$

Client Name / Site Location:

Issued For:

INSTALLATION

Designed by:	LADUKE/SMITH
Drawn by:	K ROELFSEMA
Approved by:	
VCS Rep.:	
Project #:	
Scale:	AS NOTED

Drawing History:

Rev #   Date   Description
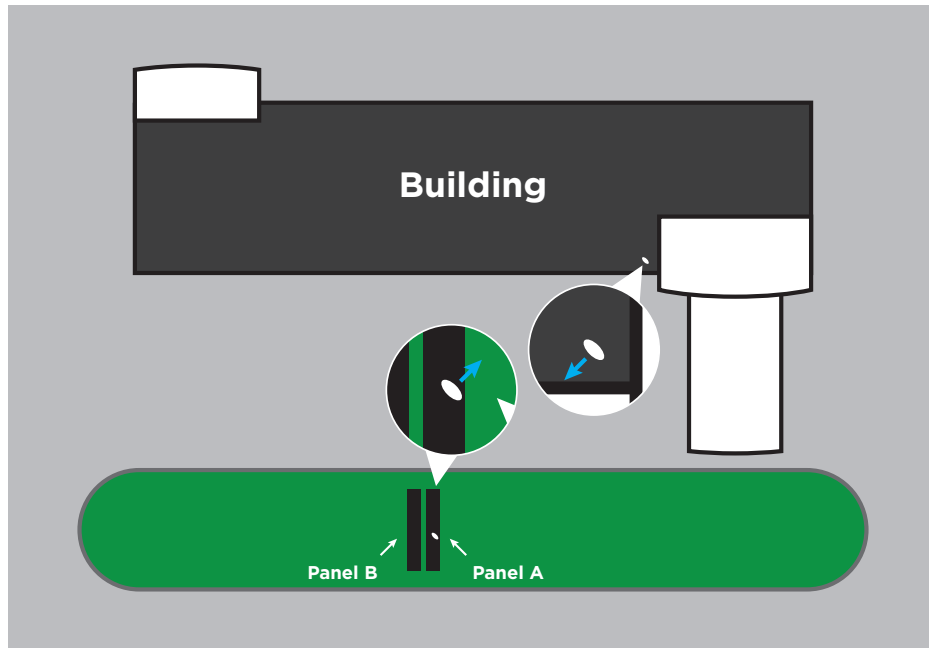
Project Name, System / Room:

3x5 LED ROAD SIGN
AUDIO VIDEO COMMUNICATIONS

Drawing Title:

DIMENSIONS
SHEET 3 OF 3

Drawing Sheet Number:

AV-301

1

3x5
DIMENSION/DETAIL

SCALE = 3" = 1'
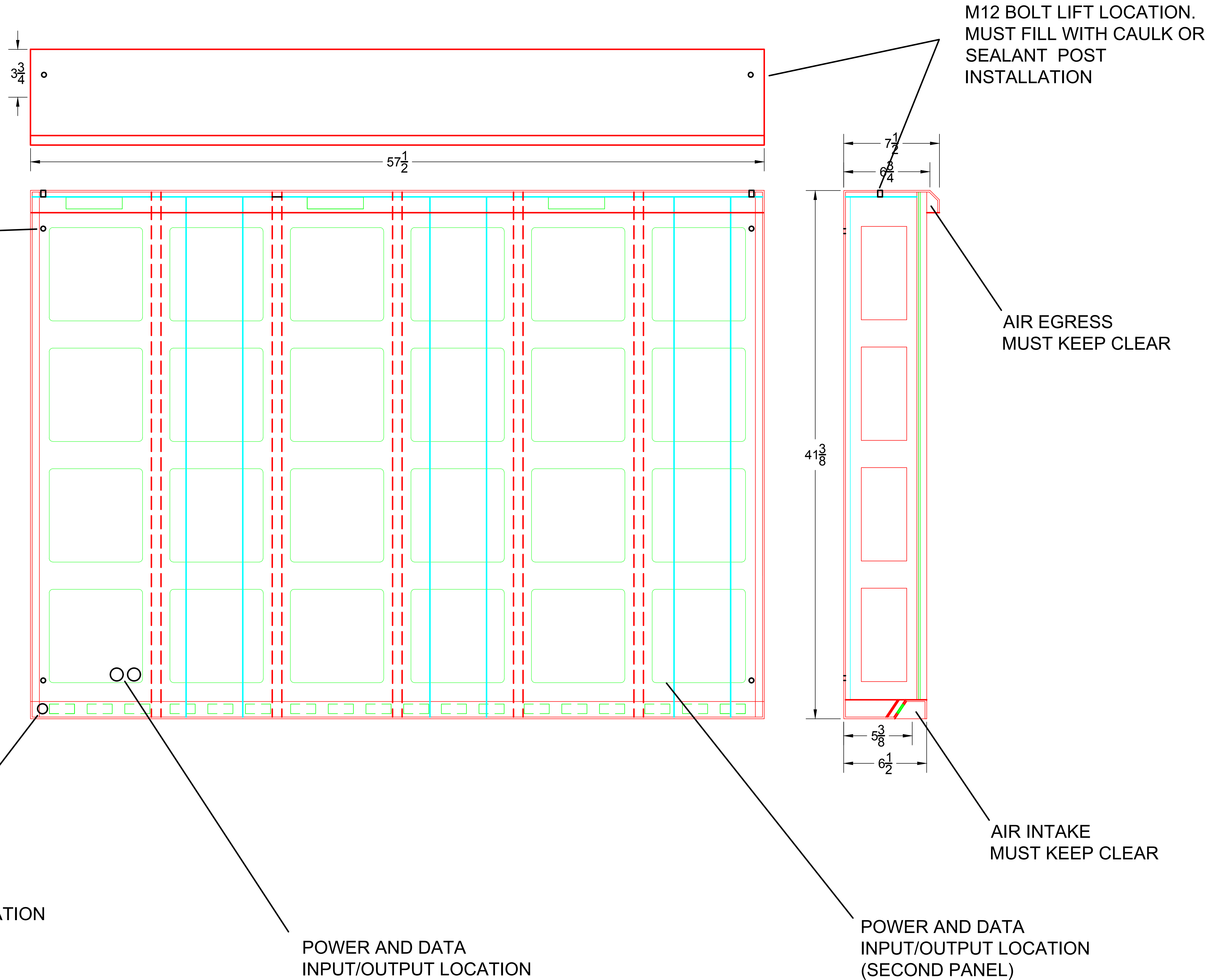
LED Readerboard Panel
Quick Start Guide

- Before installing the panels, locate and install the supplied Ubiquiti antenna in a location with the least amount of obstructions between the panels and the antenna as possible. Orient the antenna directly at the panels. The antenna should then be plugged into the power adapter via the provided ethernet cable and plug the power adapter into the network.

- When intalling the panels, make sure Panel A is installed on the side best facing where the building Ubiquiti antenna was previously installed due to the Panel A antenna already installed in Panel A.

- Once installed, remove the module that the other Ubiquiti antenna is installed behind (shown below). Orient the antenna towards the other antenna in the building as best as possible.
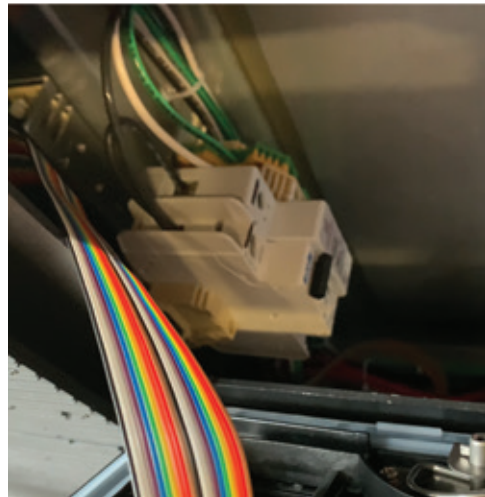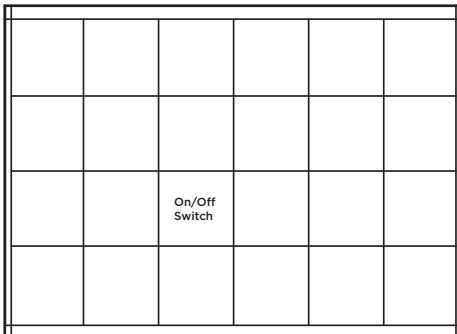
Panel A

vizidef
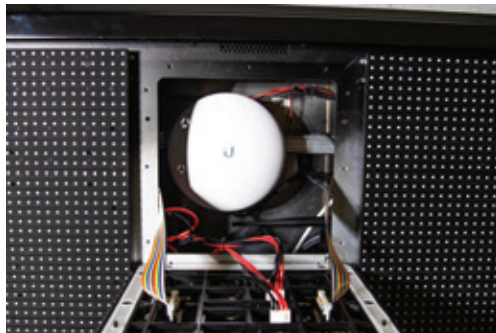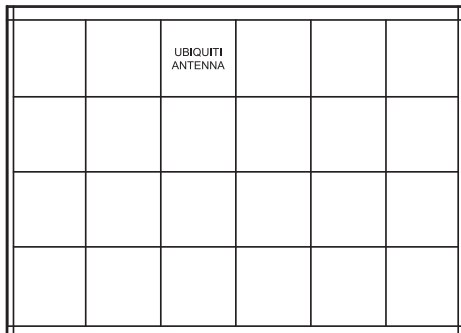
- Each module has four mounting holes, which all must be tight to maintain alignment and weatherproofing. A 2mm allen key is included with the panels and should be used to turn the tabs through the approximate hole locations shown below. This is done so that the module gets drawn into the aluminum evenly and the rubber gasket has a watertight seal.
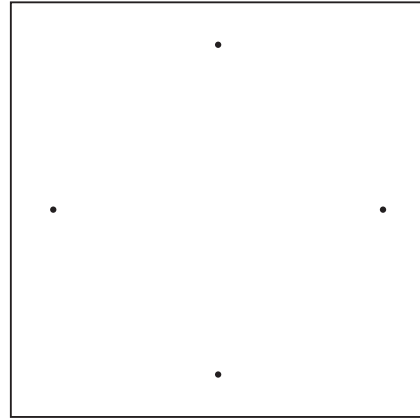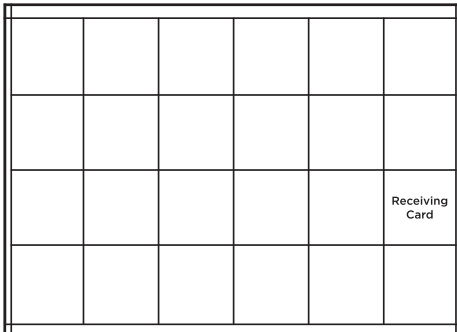

- The main breaker in Panel A ships with the breaker in the "On" position (shown below).

Panel B

		On/Off Switch			

- The blue and green data cables in Panel A must be connected to the corresponding ports on the Receiving Card in Panel B.

Panel B

				Receiving Card	

If you have any questions, please reach out to Vizidef at support@vizidef.com

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