

Administrative Communications

Flock Public-Records Consolidated Evidence PDF

General administrative email and correspondence.

Documents in this file: 7

Generated: 2026-07-21

Source file: 16_Administrative_Communications.pdf

This is an organizational derivative of the original public-records archive.

Original documents are preserved unmodified under _work/.

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6. [2023-02-27] DOC-000049 RE: Flock Safety Contract
7. [2023-03-24] DOC-000080 Flock Cameras

DOC-000007

Original filename: 20221118 - Flock Safety.pdf

Original path: Flock City Docs - Records/20221118 - Flock Safety.pdf

Document date: 2022-11-18

Document type: Email

Duplicate status: unique

Original page count: 1

SHA256: 2396d58632d81dfc2027f154c0f0335c36ad983930391fdb255f16badfc1f2c

Summary:

Amy Bonney emails Phil Goode and Michael Lamar following a morning meeting, sharing a link to the Flock Safety website and stating she will follow up once cost and demo details are clearer.

From: ["Amy Bonney" <amy.bonney@prescott-az.gov>](mailto:amy.bonney@prescott-az.gov)
To: ["Phil Goode" <phil.goode@prescott-az.gov>](mailto:phil.goode@prescott-az.gov)
["Michael Lamar" <michael.lamar@prescott-az.gov>](mailto:michael.lamar@prescott-az.gov)
Date: 11/18/2022 1:27:16 PM
Subject: Flock Safety

<https://www.flocksafety.com/>

Thank you both for your time this morning. Here is the link to the Flock cameras. As soon as we get a better idea of costs and demo time, I'll let you know.
Amy

DOC-000040

Original filename: 20230223 - FW_ Personnel Requests.pdf

Original path: Flock City Docs - Records/20230223 - FW_ Personnel Requests.pdf

Document date: 2023-02-23

Document type: Email

Duplicate status: near (contained in thread DOC-000042)

Original page count: 2

SHA256: 4dbc579a9353958ca5a94a9b5b0534bdb4145f3da2100153c0c0d0062a52ace7

Summary:

An internal email thread between Prescott Police Deputy Chief Jon Brambila and city staff Jodi Rhodes (forwarded to Lars Johnson) discussing budgeting for personnel requests and how to classify two license-plate-reader contracts (Vigilant and Flock Safety) as capital projects. The Flock contract is described as costing 4k the first year, 7k the second, and 11k thereafter for the life of the contract.

From: "Jodi Rhodes" <jodi.rhodes@prescott-az.gov>
To: "Lars Johnson" <lars.johnson@prescott-az.gov>
Date: 2/23/2023 10:00:36 AM
Subject: FW: Personnel Requests

I have a question on this. I just want to make sure that I have it straight with the changes and I am not giving any incorrect information.

From: Jon Brambila <jon.brambila@prescott-az.gov>
Sent: Thursday, February 23, 2023 8:58 AM
To: Jodi Rhodes <jodi.rhodes@prescott-az.gov>
Subject: RE: Personnel Requests

Good for you!!! I need to do that more often!!

The first is with a company call Vigilant which we use for automatic license plate readers. It is a contract that gives us access to commercial LPR data. The second is a contract with Flock Safety for stationary license plate reader cameras installed throughout the city.

From: Jodi Rhodes <jodi.rhodes@prescott-az.gov>
Sent: Thursday, February 23, 2023 7:41 AM
To: Jon Brambila <jon.brambila@prescott-az.gov>
Subject: RE: Personnel Requests

Good morning, Jon!

Sorry, I wasn't here yesterday to respond. I actually took a day off and didn't work from home.

Can you tell me what these contracts are for?

Jodi

From: Jon Brambila <jon.brambila@prescott-az.gov>
Sent: Tuesday, February 21, 2023 7:25 PM
To: Jodi Rhodes <jodi.rhodes@prescott-az.gov>
Subject: RE: Personnel Requests

If you have time tomorrow, I have another question about two contracts that we have for two different systems. One will be a reoccurring cost each year of about 42K and the other starts 4k this year, 7k next and 11k in the 3rd year and then remain at 11k for the life of the contract. Should I do both as capital projects, my feeling is yes but I wanted to confirm.

Thanks

Jon

From: Jodi Rhodes <jodi.rhodes@prescott-az.gov>
Sent: Tuesday, February 21, 2023 12:57 PM
To: Jon Brambila <jon.brambila@prescott-az.gov>
Subject: RE: Personnel Requests

Hi!

Yes, all the uniforms, gear, etc. that will be necessary if an officer is approved should be on the scenario form along with the request for the new officer. The vehicle part is kind of tricky, so Lars and I discussed it. Enter a capital form for the new vehicle(s) and make sure it is clear in the description that it is needed if the new position(s) are approved. Also, it wouldn't hurt to mention that a new vehicle was requested through capital in the description of the new personnel request, so it doesn't get missed. Not that I have ever missed anything. Ha! You can use one form for all the new vehicles being requested. This form will be separate from the replacement vehicle requests.

Jodi

From: Jon Brambila <jon.brambila@prescott-az.gov>
Sent: Tuesday, February 21, 2023 12:12 PM
To: Jodi Rhodes <jodi.rhodes@prescott-az.gov>
Subject: Personnel Requests

Hello,

Refresh my memory on new officer requests and how you would like to see those accomplished, in the budget package or budget scenario? Also do I add in all the costs of a new officer to include uniforms, gear, guns, etc? Last question, if we add new officers then we need to add a new vehicle as well. Currently we have two to 3 officers assigned to one vehicle so we would need to add at least one vehicle for every two new officer positions that we are asking for. Would I include that cost in the scenario/package since we did not know this at the time we did FARB or I would have added the new vehicle request then.

Hope this make sense but call me if you need clarification from me.

Thank you!!!

Deputy Chief Jon Brambila
Prescott Police Department



222 S. Marina Street | Prescott, AZ 86303
Ph: 928-777-1918 | Fax: 928-777-1939
jon.brambila@prescott-az.gov

Original filename: 20230223 - RE_ Personnel Requests (1).pdf

Original path: Flock City Docs - Records/20230223 - RE_ Personnel Requests (1).pdf

Document date: 2023-02-23

Document type: Email

Duplicate status: near (contained in thread DOC-000046)

Original page count: 2

SHA256: c361e9715c9734123b0d768cfb785b1c67903ba03d5e135d4a3540c4ffea7972

Summary:

Email thread between Prescott Police Deputy Chief Jon Brambila and Jodi Rhodes discussing budget/personnel requests, including how to categorize two license-plate-reader contracts (Vigilant and Flock Safety) as capital projects. The Flock Safety contract covers stationary LPR cameras installed throughout the city with a phased annual cost.

From: "Jodi Rhodes" <jodi.rhodes@prescott-az.gov>
To: "Jon Brambila" <jon.brambila@prescott-az.gov>
Date: 2/23/2023 10:05:14 AM
Subject: RE: Personnel Requests

Jon,

Do you have a time you are available to talk? With the different changes going on I want to make sure I don't give you any erroneous information. Lars and I have a few more questions we need to ask so we can point you in the right direction.

Thanks,
Jodi

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Thanks

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Subject: RE: Personnel Requests

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along with the request for the new officer. The vehicle part is kind of tricky, so Lars and I discussed it. Enter a capital form for the new vehicle(s) and make sure it is clear in the description that it is needed if the new position(s) are approved. Also, it wouldn't hurt to mention that a new vehicle was requested through capital in the description of the new personnel request, so it doesn't get missed. Not that I have ever missed anything. Ha! You can use one form for all the new vehicles being requested. This form will be separate from the replacement vehicle requests.

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Thank you!!!

Deputy Chief Jon Brambila
Prescott Police Department



222 S. Marina Street | Prescott, AZ 86303
Ph: 928-777-1918 | Fax: 928-777-1939
jon.brambila@prescott-az.gov

Original filename: 20230223 - RE_ Personnel Requests (3).pdf

Original path: Flock City Docs - Records/20230223 - RE_ Personnel Requests (3).pdf

Document date: 2023-02-23

Document type: Email

Duplicate status: unique

Original page count: 2

SHA256: b6d1427603bbd0982999749a04afda38f68c74f6480f641f21c0559f2ed399e7

Summary:

An internal email thread between Prescott Police Deputy Chief Jon Brambila and city staff member Jodi Rhodes discussing budget/personnel request procedures, including how to account for two license-plate-reader contracts (Vigilant commercial LPR data and Flock Safety stationary cameras) as capital projects. It notes recurring costs of about \$42K for one system and an escalating cost of \$4K/\$7K/\$11K for the other.

From: "Jodi Rhodes" <jodi.rhodes@prescott-az.gov>
To: "Jon Brambila" <jon.brambila@prescott-az.gov>
Date: 2/23/2023 10:32:16 AM
Subject: RE: Personnel Requests

Okay, we should be here.

From: Jon Brambila <jon.brambila@prescott-az.gov>
Sent: Thursday, February 23, 2023 10:08 AM
To: Jodi Rhodes <jodi.rhodes@prescott-az.gov>
Subject: Re: Personnel Requests

Yes. In command staff meeting right now but after this I can talk.

Get [Outlook for iOS](#)

From: Jodi Rhodes <jodi.rhodes@prescott-az.gov>
Sent: Thursday, February 23, 2023 10:05:14 AM
To: Jon Brambila <jon.brambila@prescott-az.gov>
Subject: RE: Personnel Requests

Jon,

Do you have a time you are available to talk? With the different changes going on I want to make sure I don't give you any erroneous information. Lars and I have a few more questions we need to ask so we can point you in the right direction.

Thanks,
Jodi

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jon.brambila@prescott-az.gov

Original filename: 20230223 - Re_Personnel Requests (2).pdf

Original path: Flock City Docs - Records/20230223 - Re_Personnel Requests (2).pdf

Document date: 2023-02-23

Document type: Email

Duplicate status: near (contained in thread DOC-000043)

Original page count: 2

SHA256: bf32f2b64e87624365e5bda36448fc746b87b8ee7222b88e7a9bb8eb3082a0d8

Summary:

An internal email thread between Deputy Chief Jon Brambila and Jodi Rhodes of the Prescott Police Department discussing personnel and budget requests, including how to account for two license plate reader contracts (Vigilant for commercial LPR data and Flock Safety for stationary cameras) as capital projects. Brambila outlines recurring and escalating annual costs for the systems.

From: "Jon Brambila" <jon.brambila@prescott-az.gov>
To: "Jodi Rhodes" <jodi.rhodes@prescott-az.gov>
Date: 2/23/2023 10:07:57 AM
Subject: Re: Personnel Requests

Yes. In command staff meeting right now but after this I can talk.

Get [Outlook for iOS](#)

From: Jodi Rhodes <jodi.rhodes@prescott-az.gov>
Sent: Thursday, February 23, 2023 10:05:14 AM
To: Jon Brambila <jon.brambila@prescott-az.gov>
Subject: RE: Personnel Requests

Jon,

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Jodi

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Refresh my memory on new officer requests and how you would like to see those accomplished, in the budget package or budget scenario? Also do I add in all the costs of a new officer to include uniforms, gear, guns, etc? Last question, if we add new officers then we need to add a new vehicle as well. Currently we have two to 3 officers assigned to one vehicle so we would need to add at least one vehicle for every two new officer positions that we are asking for. Would I include that cost in the scenario/package since we did not know this at the time we did FARB or I would have added the new vehicle request then.

Hope this make sense but call me if you need clarification from me.

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Deputy Chief Jon Brambila
Prescott Police Department



222 S. Marina Street | Prescott, AZ 86303
Ph: 928-777-1918 | Fax: 928-777-1939
jon.brambila@prescott-az.gov

Original filename: 20230227 - RE_ Flock Safety Contract.pdf

Original path: Flock City Docs - Records/20230227 - RE_ Flock Safety Contract.pdf

Document date: 2023-02-27

Document type: Email

Duplicate status: unique

Original page count: 2

SHA256: ebc354ff819a9a565891aa32d40e91b87675cc161af43d63519620b2ae16562

Summary:

Internal City of Prescott email thread discussing how to budget and account for the Flock Safety ALPR contract, which involves a yearly \$48,100 agreement for sixteen stationary license plate readers. Finance staff determine it should be treated as a short-term lease/operating expense and discuss appropriate budget org codes.

From: "Jon Brambila" <jon.brambila@prescott-az.gov>
To: "Jodi Rhodes" <jodi.rhodes@prescott-az.gov>
CC: "Michelle Medina" <michelle.medina@prescott-az.gov>
Date: 2/27/2023 12:56:26 PM
Subject: RE: Flock Safety Contract

OK. Here you go

- a. Enter into a yearly contract with a company to install and maintain sixteen (16) stationary automatic license plate readers in specified locations throughout the city.
- b. This contract would form a relationship between the vendor and City of Prescott of an annual contract and agreement in which they provide the cameras, and we are billed yearly in the amount of \$48,100.00.
- c. For decades, automatic license plate readers (ALPR's) have assisted law enforcement maintain safe communities, particularly in the forms of traffic control and surveillance. ALPR's have become increasingly divers and have a wide range of application and therefor have become very common in everyday settings related to law enforcement. ALPR systems capture a contextual photo of a vehicle, an image of the license plate, the geographic coordinates of where the image was captured, and the date and time of the recording. This allows us to be altered to vehicles that are wanted in relation to a criminal offense, stolen vehicles, expired and suspended registrations and driver's license. This system will enhance our traffic enforcement and our investigative capabilities, expand our data collection and expedite the time consuming process of comparing vehicle license plates with lists of stolen, wanted or other vehicles of interest. We currently have this technology in limited capacity with our parking enforcement vehicle and with the new camera system installed in the Granite Street Parking Garage.

I am suggesting that it go under Investigations (4615) subscriptions (8550) or I am open to wherever you feel it should go.

Jon

From: Jodi Rhodes <jodi.rhodes@prescott-az.gov>
Sent: Monday, February 27, 2023 12:52 PM
To: Lars Johnson <lars.johnson@prescott-az.gov>; Jon Brambila <jon.brambila@prescott-az.gov>
Cc: Julie Vincent <julie.vincent@prescott-az.gov>
Subject: RE: Flock Safety Contract

Jon,

Scenarios have been closed so just get me the information – description, org, amount – and I will enter it.

Thanks,
Jodi

From: Lars Johnson <lars.johnson@prescott-az.gov>
Sent: Monday, February 27, 2023 12:50 PM
To: Jon Brambila <jon.brambila@prescott-az.gov>
Cc: Jodi Rhodes <jodi.rhodes@prescott-az.gov>; Julie Vincent <julie.vincent@prescott-az.gov>
Subject: RE: Flock Safety Contract

Flock Safety would be considered a scenario – or operating expense charged to 8474. The determining factor on this is that the contract is for 12 months, which is considered a short-term lease. If the situation changes and the City negotiates a longer-term contract with them, then we would have to account for it differently.
Thanks!

Lars Johnson
Deputy Finance Director
City of Prescott
201 S. Cortez Street | Prescott, AZ 86303
Ph: 928-777-1408 ext. 4907

lars.johnson@prescott-az.gov

From: Jon Brambila <jon.brambila@prescott-az.gov>
Sent: Monday, February 27, 2023 12:13 PM
To: Jodi Rhodes <jodi.rhodes@prescott-az.gov>; Lars Johnson <lars.johnson@prescott-az.gov>
Subject: Flock Safety Contract

Here you go and let me know what I can do to help out.

Jon

Deputy Chief Jon Brambila
Prescott Police Department



222 S. Marina Street | Prescott, AZ 86303
Ph: 928-777-1918 | Fax: 928-777-1939
jon.brambila@prescott-az.gov

Original filename: 20230324 - Flock Cameras.pdf

Original path: Flock City Docs - Records/20230324 - Flock Cameras.pdf

Document date: 2023-03-24

Document type: Email

Duplicate status: unique

Original page count: 7

SHA256: 0e53b3f450314d63976c5f52006d23982150a6bd098885a67a76e5c83530b275

Summary:

Internal email from Transportation Manager Ian Mattingly to Bryan Woods sharing information from Mark Parker about the Flock camera project, noting it is a Police Department project that Public Works will coordinate on once installation is ready, and including a Flock planner link. The attachment includes a Flock Safety technical installation drawing with pole, panel, camera, and foundation specifications.

From: ["Ian Mattingly" <ian.mattingly@prescott-az.gov>](mailto:ian.mattingly@prescott-az.gov)
To: ["Bryan Woods" <bryan.woods@prescott-az.gov>](mailto:bryan.woods@prescott-az.gov)
Date: 3/24/2023 2:32:59 PM
Subject: Flock Cameras

Bryan,

Some info from Mark Parker. Again, it is a PD project. They will coordinate with us once the company is ready to install. Not sure of where they are in the project or planned schedule. Might still be a way out.

Website showing the location specifics.

<https://planner.flocksafety.com/public/e865daf3-d7b0-40d5-851e-843d816580a7>

Sincerely,

--

*Ian Mattingly, P.E.
Transportation Manager*



Public Works Department
433 N. Virginia Street | Prescott, AZ 86303
Phone: 928.777.1130
ian.mattingly@prescott-az.gov

flock safety

MISSOURI D.O.T TRAFFIC SIGNAL DETAILS
AUTOMATIC LICENSE PLATE READER
60 WATT SYSTEM

SHEET INDEX

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	COVER SHEET
2	LICENSE PLATE READER
3	EQUIPMENT DETAILS

CONTACT: flock safety



TRELOS
ENGINEERING
8805 SANTA MONICA BLVD. # 73703
WEST HOLLYWOOD, CA 90069
(760) 885-4714



DATE:
01-12-23

DELTA	DESCRIPTION	DATE
A	1ST SUBMITTAL	12.04.2022
A	2ND SUBMITTAL	12.14.2022
A	3RD SUBMITTAL	01.12.2023

PROJECT: flock safety

MISSOURI D.O.T TRAFFIC SIGNAL DETAILS
AUTOMATIC LICENSE PLATE READER
60 WATT SYSTEM

SHEET NAME:

COVER SHEET

SHEET NUMBER:

1

OF 3 SHEETS

PULL BOX NOTES:

ITEMS NOT PERMITTED ON THE POLE OR TOO HEAVY TO MOUNT ON THE POLE SHALL BE EITHER MOUNTED AT THE RIGHT OF WAY LINE OR INSTALLED BELOW GRADE IN A STANDARD MODOT PREFORMED PULL BOX IN ACCORDANCE WITH MODOT STANDARD PLAN 902.20

THE PULL BOX SHALL BE LOCATED DOWNSTREAM OF THE POLEM, PARALLEL TO THE ROADWAY, LOCATED WITHIN 3-4 FEET OF THE POLE TO MINIMIZE THE LENGTH OF BURIED CABLE

THE PULL BOX LID SHALL INDICATE THE PURPOSE OF THE PULL BOX USING A DURABLE LABELING SYSTEM

GENERAL NOTES:

ALL INDEPENDENT LICENSE PLATE READERS SHALL BE LOCATED BEHIND EXISTING BARRIER AS DEPICTED ON THIS SHEET. GUARD CABLE IS NOT DEPICTED AS AN OPTION DUE TO ITS 12 FOOT DEFLECTION DISTANCE

NON-INDEPENDENT INSTALLATIONS ARE LIMITED TO EXISTING, NON-BREAKAWAY STRUCTURES ON, OR ADJACENT TO, MODOT RIGHT OF WAY

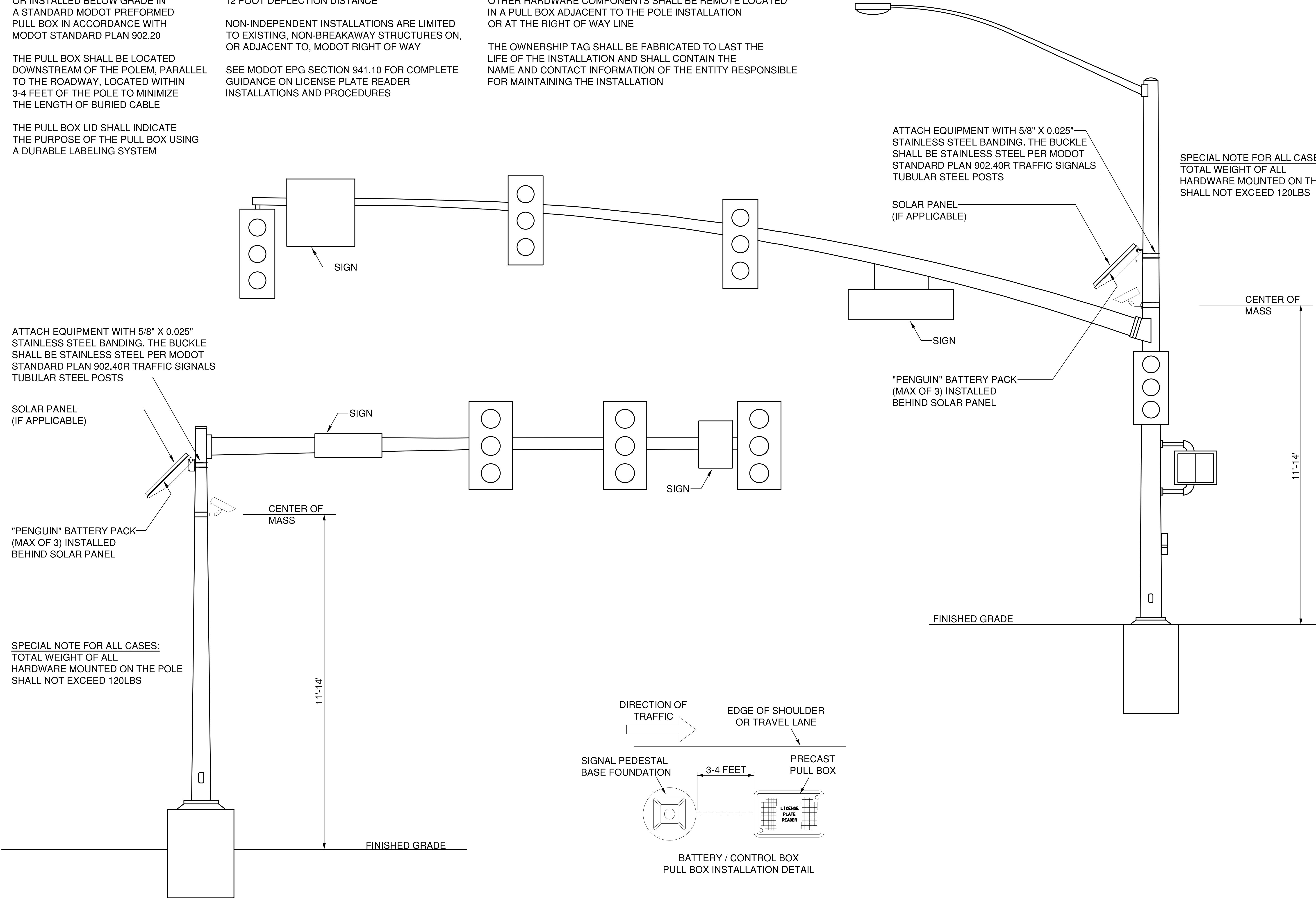
SEE MODOT EPG SECTION 941.10 FOR COMPLETE GUIDANCE ON LICENSE PLATE READER INSTALLATIONS AND PROCEDURES

GENERAL NOTES:

ONLY LICENSE PLATE READER CAMERAS, PAN-TILT-ZOOM CAMERAS, SOLAR PANELS AND/OR BATTERY/ CONTROL BOXES MAY BE MOUNTED ON THE PEDESTAL POST

OTHER HARDWARE COMPONENTS SHALL BE REMOTE LOCATED IN A PULL BOX ADJACENT TO THE POLE INSTALLATION OR AT THE RIGHT OF WAY LINE

THE OWNERSHIP TAG SHALL BE FABRICATED TO LAST THE LIFE OF THE INSTALLATION AND SHALL CONTAIN THE NAME AND CONTACT INFORMATION OF THE ENTITY RESPONSIBLE FOR MAINTAINING THE INSTALLATION



CONTACT: **flock safety**

TRELOS ENGINEERING

8605 SANTA MONICA BLVD., #73703
WEST HOLLYWOOD, CA 90069
(760) 805-4714

STATE OF MISSOURI
MICHAEL R. TRELOS
LICENSED PROFESSIONAL ENGINEER
PE-2018014292

DATE:
01-12-23

DATE	DESCRIPTION	DELTA
12.04.2022	1ST SUBMITTAL	Δ
12.14.2022	2ND SUBMITTAL	Δ
01.12.2023	3RD SUBMITTAL	Δ

PROJECT: **flock safety**

MISSOURI D.O.T TRAFFIC SIGNAL DETAILS

AUTOMATIC LICENSE PLATE READER

60 WATT SYSTEM

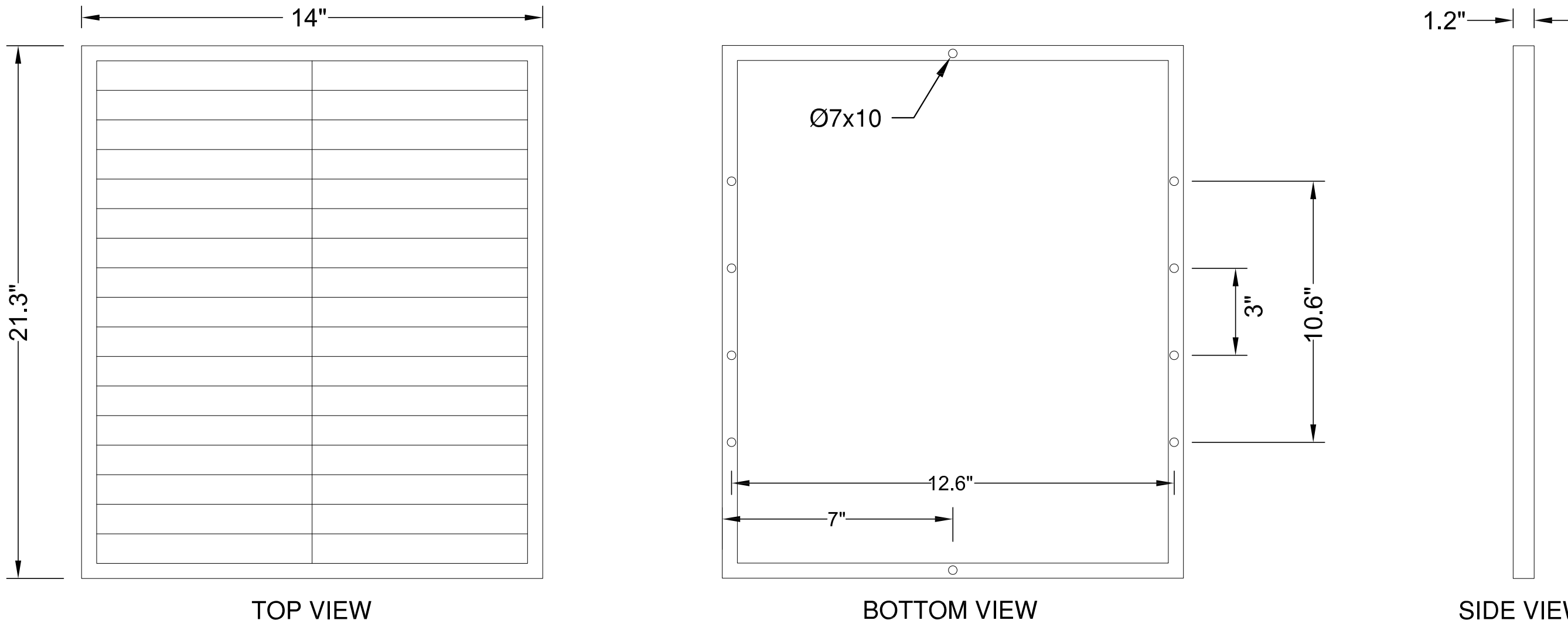
SHEET NAME:

LICENSE PLATE READER

SHEET NUMBER:

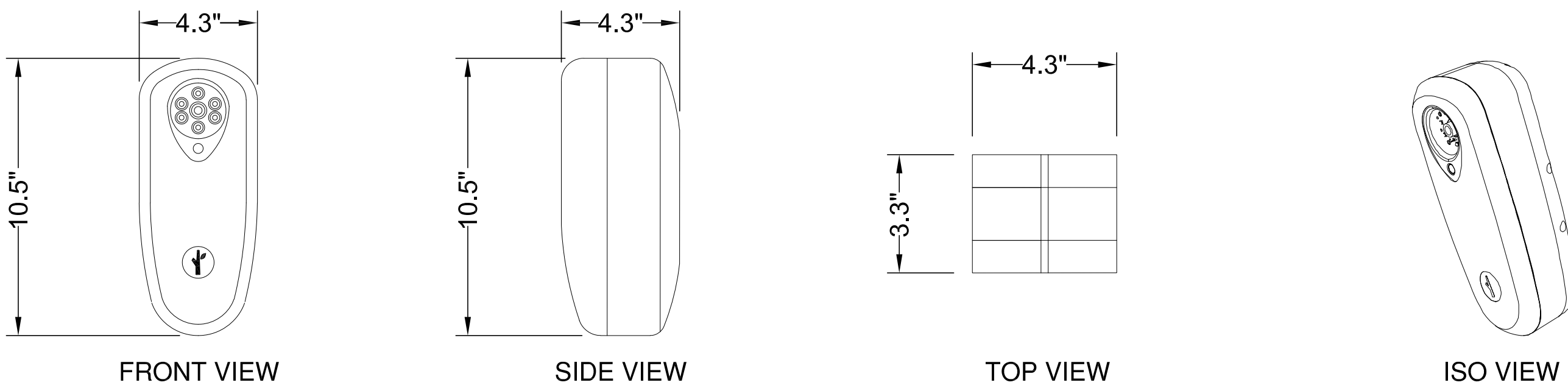
2

OF 3 SHEETS



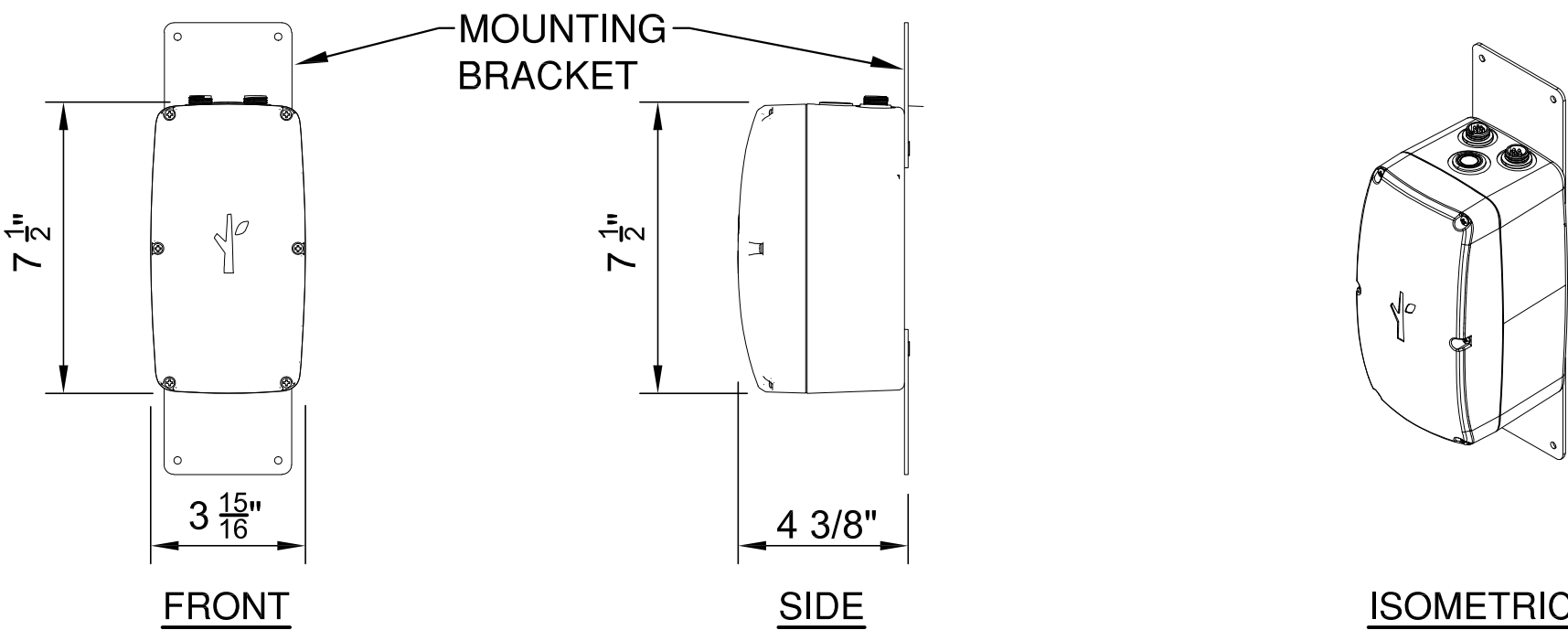
(2) - 30 WATT PANEL DETAIL

NOTES:
1. SOLAR PANELS ARE WORLD MICRO
MODEL PP-N30WB-CH7.



AUTOMATIC LICENSE PLATE READER DETAIL

NOTES:
1. CAMERA SHALL BE MODEL 701-00166 SUPPLIED
BY FLOCK SAFETY OR APPROVED EQUAL.

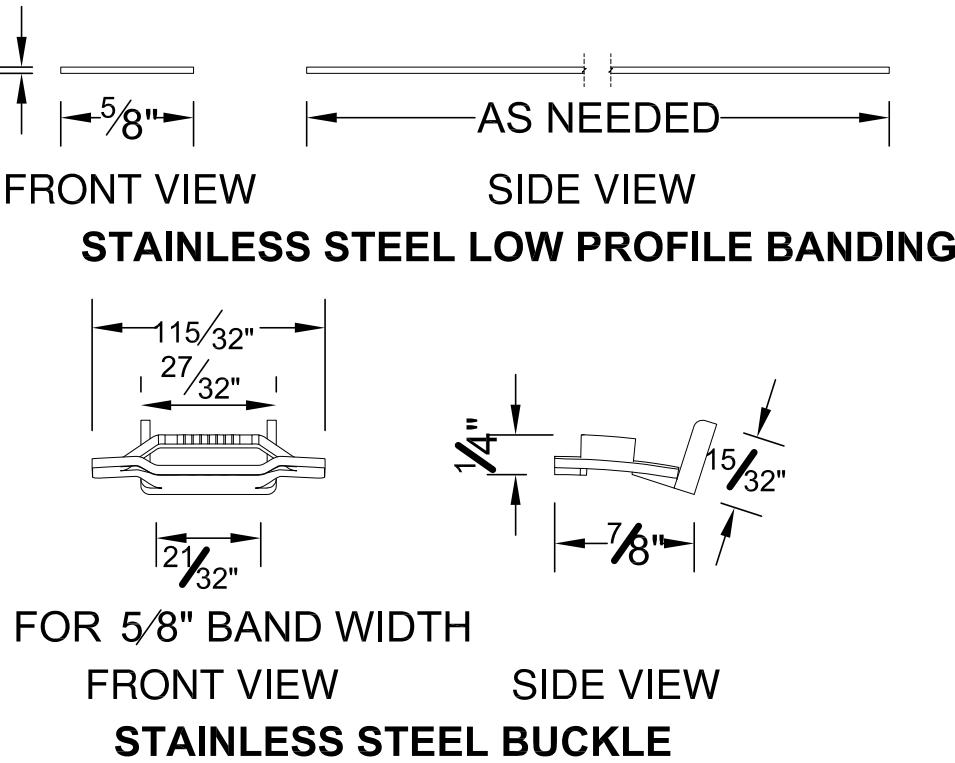


"PENGUIN" BATTERY PACK
WEIGHT = 5 LB. (APPROX.)

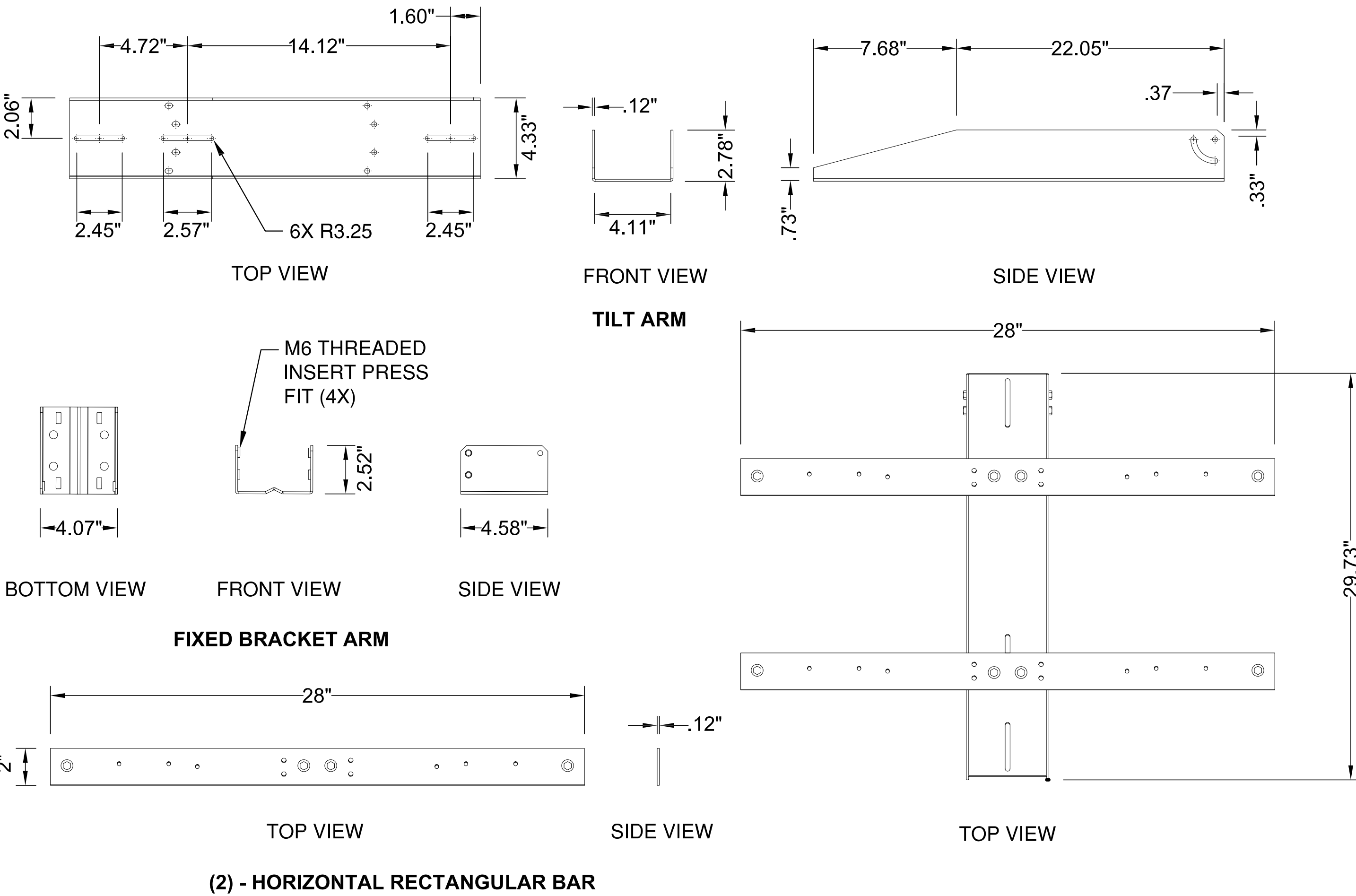
"PENGUIN" BATTERY PACK

BATTERY PACKS TO BE MOUNTED
BEHIND 60W SOLAR PANEL

NOTES:
1. CAMERA BRACKET SHALL BE MODEL 701-00112 SUPPLIED BY
FLOCK SAFETY.
2. STEEL BUCKLE AND BANDING SHALL BE FROM McMASTER CARR
SUPPLY COMPANY.

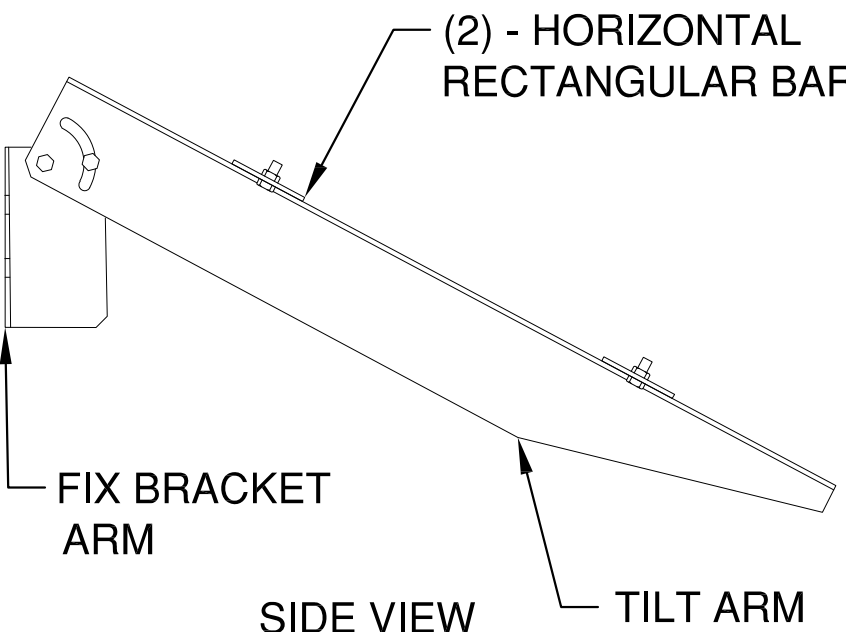


CAMERA BRACKET DETAILS



PANEL SUPPORT STRUCTURE DETAIL

NOTES:
1. DESIGN PER ASME Y14.100 AND Y14.5.
2. DEBURR ALL SHARP EDGES.
3. ALL MATERIAL .12 INCH THICK ANODIZED (BLACK)
ALUMINUM 5052.
4. DIMENSION TOLERANCES ARE:
DECIMALS ANGLES
.X ± .02 X ± 3°
.XX ± .01 X.X ± 1°
.XXX ± .01
5. PANEL SUPPORT STRUCTURE SHALL BE MODEL
20 204-00010 & 204-00011 SUPPLIED BY FLOCK
SAFETY OR APPROVED EQUAL.



CONTACT: **flock safety**
TRELOS ENGINEERING
8805 SANTA MONICA BLVD. # 73703
WEST HOLLYWOOD, CA 90069
(760) 888-4714

STATE OF MISSOURI
MICHAEL R. TRELOS
LICENSED PROFESSIONAL ENGINEER
PE-2018014292
DATE:
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12.14.2022	2ND SUBMITTAL	12.14.2022
01.12.2023	3RD SUBMITTAL	01.12.2023

PROJECT: **flock safety**
MISSOURI D.O.T TRAFFIC SIGNAL DETAILS
AUTOMATIC LICENSE PLATE READER
60 WATT SYSTEM

SHEET NAME: **EQUIPMENT DETAILS**

SHEET NUMBER:
3
OF 3 SHEETS

NOTES:

1 POLE IS BREAKAWAY 2.875" (73mm) IN DIAMETER 6063-T52 ALUMINUM WITH WALL THICKNESS .203" (5.16mm) AS PER 12/6/2007 FHWA LETTER.

2 THE PANEL ASSEMBLY MAY NOT EXCEED TWO BATTERY PACKS

3. MAX TOTAL WEIGHT OF ASSEMBLY IS 30.8 LBS (13970.63 GRAMS)

REVISION HISTORY

REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL DRAWING	10/26/2020	

BOM						
Item	Part Number	Part Name	QTY.	MASS (LB)	DIMENSIONS LxWxH (IN)	CROSS-SECTIONAL AREA (FT ²)
1	204-00029	14' BLACK 2-PIECE POLE	1	17	2.9 x 2.9 x 168.0	3.0 (2' FOUNDATION)
2	701-00116	Double Panel - Top Mount	1		21.3 x 28.3 x 10.5	2.1
3	701-0059	Flock Safety Camera	1	3.6	3.3 x 4.3 x 10.5	.3
4	702-0007	RAM Ball Mount & Adapter	1	1.4	N/A	N/A
5	701-00011	Battery Pack	2	4.4	2.8 x 3.9 x 10.8	N/A

SLOPE TOP OF CONCRETE OUTSIDE OF GROUT AREA

COMPETENT NATIVE SUBGRADE

FOUNDATION SPECIFICATIONS

TYPE	V_MAX (MPH)	CAISSON Ø (IN)	CAISSON H (IN)	SOLAR PANEL ELEVATION FROM GRADE (FT MAX)
1*	85	8	24	12
2	110	12	30	12
3	130	12	36	12
4	150	16	48	12

* STANDARD INSTALLATION SPECIFICATIONS

PROPRIETARY AND CONFIDENTIAL

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		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ±1/16 ANGULAR: X.X ±3° X.XX ±1° DECIMAL: X.X ±.02 X.XX ±.01 X.XXX ±.005		NAME	DATE
			DRAWN		
			CHECKED		
			ENG APPR.		
			MFG APPR.		
		MATERIAL	Q.A.		
		FINISH	COMMENTS:		
NEXT ASSY	USED ON				
APPLICATION			DO NOT SCALE DRAWING		

flock safety

TOP POLE MOUNT -
DOUBLE SOLAR PANEL
WITH 2 EXTERNAL
BATTERIES

SIZE **A** DWG. NO. 905-00005

REV. **A**

SCALE: 1:20

SHEET 1 OF 1



U.S. Department
of Transportation
**Federal Highway
Administration**

1200 New Jersey Ave., S.E.
Washington, DC 20590

December 6, 2007

In Reply Refer To:
HSSD/SS-157

Mr. Reinhardt F. Cyphers
Addresses of Distinction, LLC
907 New Franklin Road
LaGrange, GA 30240

Dear Mr. Cyphers:

In your mail correspondence of October 18, 2007, you requested the Federal Highway Administration's (FHWA) acceptance of your company's aluminum tubes as a breakaway sign support. You referenced our acceptance letter SS-28 which reported on small sign support testing conducted in "weak" soil by the Florida Department of Transportation (DOT). In that letter we accepted as breakaway 3 inch (89 mm) diameter, 6061-T6 alloy aluminum tubes of 0.187 inches (4.75 mm) thickness when no more than one sign support was used within a seven foot span. The posts pulled out of the ground partially or completely, allowing the vehicle to gradually come to a stop. The two sign supports that you request to use have: (1) a diameter of 2.875 inches (73 mm) with a wall thickness of 0.203 inches (5.16 mm) and (2) a diameter of 2.375 inches (60 mm) with a wall thickness of 0.154 inches (60 mm). The three sign posts are compared in the following table:

Sign Post	Florida DOT	Addresses of Distinction, LLC	Addresses of Distinction, LLC
Diameter	3.5 in (89 mm)	2.875 inches (73 mm)	2.375 inches (60 mm)
Wall Thickness	0.187 in (4.75 mm)	.203 inches (5.16 mm)	0.154 inches (60 mm)
Alloy	6061-T6	6063-T52	6063-T52
Tensile Strength	45 ksi (310 MPa)	30 ksi (207 MPa)	27ksi (186MPa)
Yield Strength	40 ksi (275 MPa)	25 ksi (173 MPa)	21ksi (145Pa)
Cross Sectional Area	1.951 in ² (1257 mm ²)	1.70 in ² (1099mm ²)	1.70 in ² (1099 mm ²)
Anti-Rotation Hardware	Unknown	Yes	Yes

In addition to the Florida DOT sponsored testing to which you referred, earlier tests of 4 inch (100 mm) diameter thin-walled aluminum tubes were conducted in "strong" soil. These posts, which were fitted with anti-rotation hardware below the ground, fractured upon impact and were found to be crashworthy.

Your company's aluminum tube sign supports are smaller diameter and made of weaker alloy than the posts already found to be crashworthy in either strong or weak soil. Therefore your request regarding the two aluminum tube sizes to be used as sign supports as stated above is acceptable for use on Federal-aid highway projects when requested by a State.

Please note the following standard provisions that apply to FHWA letters of acceptance:

- This acceptance is limited to the crashworthiness characteristics of the devices and does not cover their structural features, nor conformity with the Manual on Uniform Traffic Control Devices.
- Any changes that may adversely influence the crashworthiness of the device will require a new acceptance letter.
- Should the FHWA discover that the qualification testing was flawed, that in-service performance reveals unacceptable safety problems, or that the device being marketed is significantly different from the version that was crash tested, it reserves the right to modify or revoke its acceptance.
- You will be expected to supply potential users with sufficient information on design and installation requirements to ensure proper performance.
You will be expected to certify to potential users that the hardware furnished has essentially the same chemistry, mechanical properties, and geometry as that submitted for acceptance, and that they will meet the crashworthiness requirements of the FHWA and the NCHRP Report 350.
- To prevent misunderstanding by others this letter of acceptance designated as number SS-157 shall not be reproduced except in full. This letter and the test documentation upon which this letter is based, is public information. All such letters and documentation may be reviewed at our office upon request.
- This acceptance letter shall not be construed as authorization or consent by the FHWA to use, manufacture, or sell any patented device for which the applicant is not the patent holder. The acceptance letter is limited to the crashworthiness characteristics of the candidate device, and the FHWA is neither prepared nor required to become involved in issues concerning patent law. Patent issues, if any, are to be resolved by the applicant.

Sincerely yours,



George E. Rice, Jr.
Acting Director, Office of Safety Design
Office of Safety