

## Application for DelDOT Safety Permit

Property Owner's Name: \_\_\_\_\_ Date: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

\_\_\_\_\_  
City State Zip Code

Telephone No.: \_\_\_\_\_ Cell No.: \_\_\_\_\_

Fax No.: \_\_\_\_\_ E-mail Address: \_\_\_\_\_

Tax Map/ Parcel I.D. : \_\_\_\_\_  
(NCC Ex: 00- 000.00-000; KC Ex: 0 00 000 00 00 00 000; SC Ex: 0-00 00.00 00.00 )

Applicant Name: \_\_\_\_\_ Point of Contact (Name): \_\_\_\_\_

Mailing Address: \_\_\_\_\_

\_\_\_\_\_  
City State Zip Code

Telephone No.: \_\_\_\_\_ Cell No.: \_\_\_\_\_

Fax No.: \_\_\_\_\_ E-mail Address: \_\_\_\_\_

Proposed Project Location:

Nearest Intersecting road:

Description of Work:

LICENSE PLATE READER  
INSTALLATION

STATE OF DELWARE  
NEW CASTLE COUNTY COUNTY  
  
IN COLLABORATION WITH  
NEW CASTLE SHERIFF'S OFFICE

PERMITTING JURISDICTION:  
DE - NEW CASTLE COUNTY

DRAWING INDEX

- T.01 - COVER SHEET AND LOCATION MAP
- T.02 - SYMBOLOGY AND ABBREVIATIONS
- GN.01 - GENERAL NOTES
- SHEETS 1-4 - PLAN DRAWINGS
- SPEC.01-SPEC.03 - EQUIPMENT AND FOUNDATION DETAILS
- TCP.01-TCP.08 - TRAFFIC CONTROL PLANS

CONTACT LIST

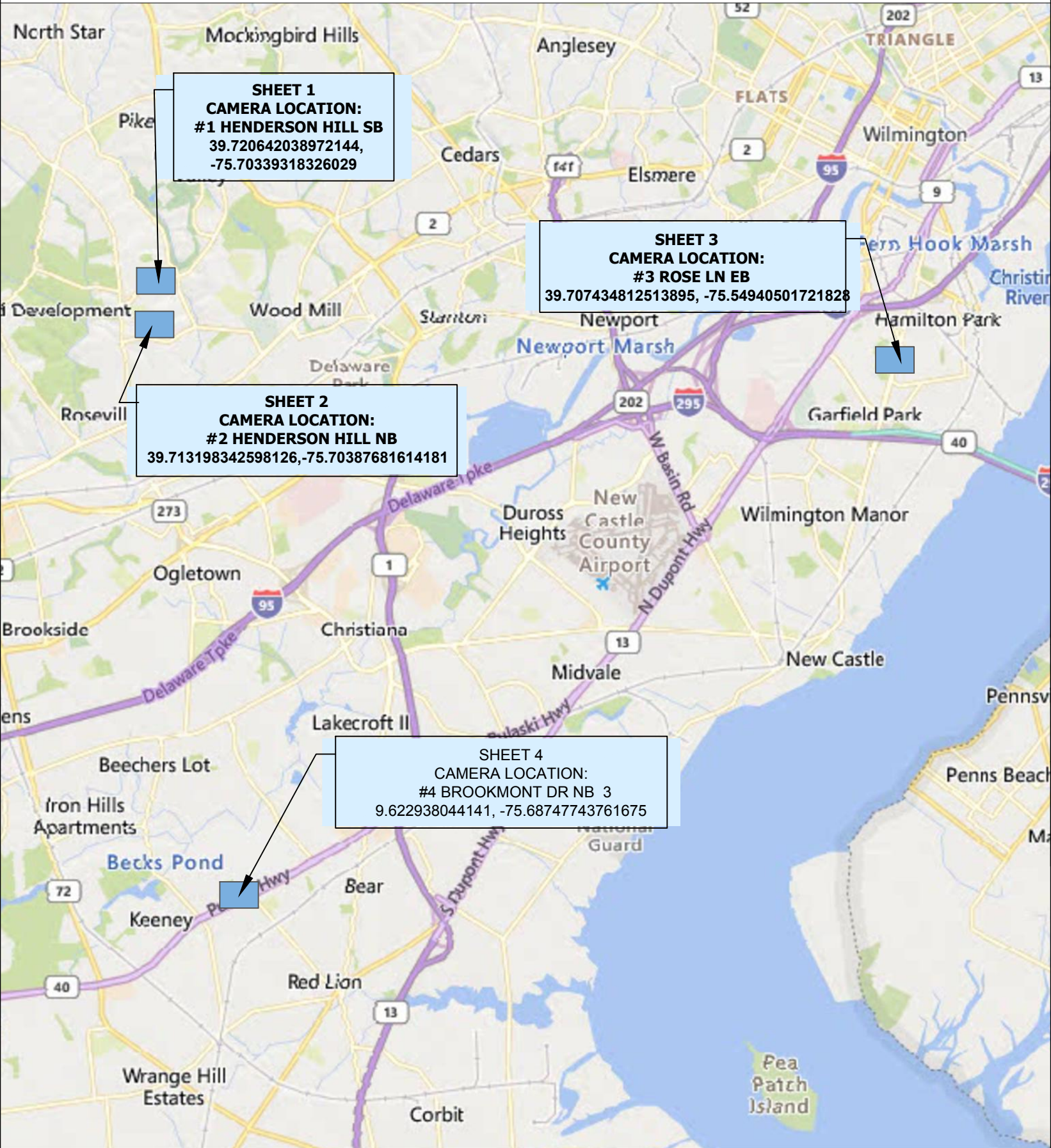
BLUEWATER TELECOMMUNICATIONS  
ALEXANDER FERGUSON  
OSP ENGINEERING MANAGER  
321-356-2195  
100 E PINE ST  
ORLANDO, FL 32801

FLOCK SAFETY  
1170 HOWELL MILL ROAD NW  
SUITE 210  
ATLANTA, GA 30318  
PERMIT@FLOCKSAFETY.COM  
415-669-0341

SEE APPROVED PERMIT FOR LISTED INSPECTOR

NOTE:  
THE PLAT, PARCEL AND RIGHT OF WAY DIMENSIONAL INFORMATION HAS BEEN ACQUIRED AND PLOTTED ON THESE PLANS USING THE BEST AVAILABLE DATA AND AERIAL IMAGERY. ALL UTILITY INFORMATION SHOWN ON PLANS WAS ACQUIRED FROM THE BEST AVAILABLE DATA AND AS REASONABLE OBTAINED BY PHYSICAL FIELD SURVEY. IT REMAINS THE RESPONSIBILITY OF OTHERS TO FIELD VERIFY ALL DATA PRIOR TO PROJECT START. LINE LOCATES ARE THE RESPONSIBILITY OF OTHERS TO VERIFY CONFLICT HORIZONTALLY AND VERTICALLY OF EXISTING FACILITIES.

SITE LOCATION MAP



REVISIONS

DATE	REV	DESCRIPTION

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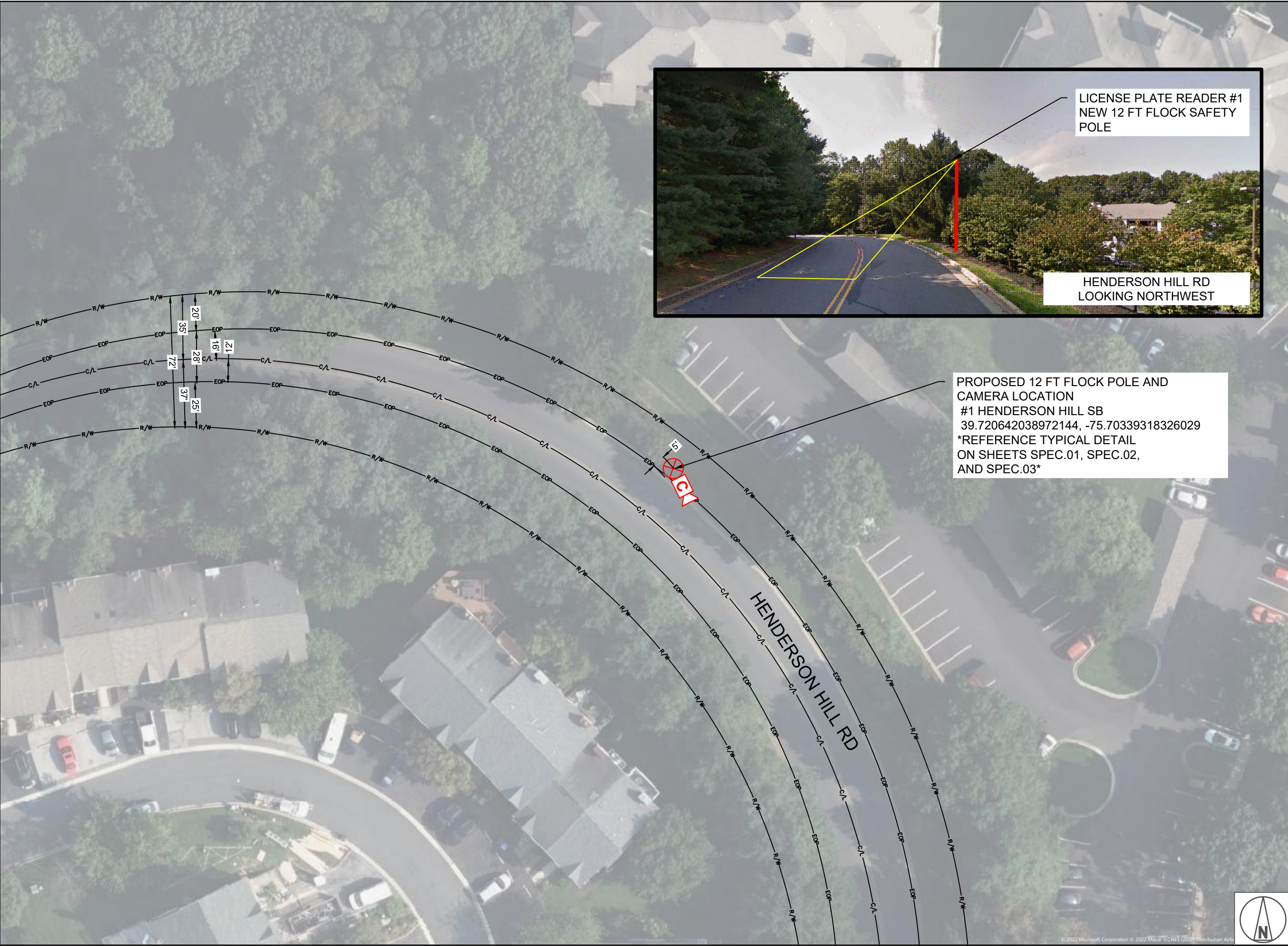


EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTORS EXPENSE.

167419

T.01





LICENSE PLATE READER #1  
NEW 12 FT FLOCK SAFETY  
POLE

HENDERSON HILL RD  
LOOKING NORTHWEST

PROPOSED 12 FT FLOCK POLE AND  
CAMERA LOCATION  
#1 HENDERSON HILL SB  
39.720642038972144, -75.70339318326029  
\*REFERENCE TYPICAL DETAIL  
ON SHEETS SPEC.01, SPEC.02,  
AND SPEC.03\*

1 INCH = 50 FEET

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167419

SHEET 1



flock safety

CALIFORNIA STANDARD DETAILS

AUTOMATIC LICENSE PLATE READER

2-7/8" ROUND STEEL POST, 60 WATT SYSTEM

SHEET INDEX

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES & POLE ASSEMBLY DETAIL
3	EQUIPMENT DETAILS
4	FOUNDATION DETAILS - WINGED UNIBASE OPTION
5	FOUNDATION DETAILS - CONCRETE SHAFT OPTION

CONTACT:



1601 FIFTH AVE SUITE 1600  
SEATTLE, WA 98101  
PHONE: (206) 622-5822  
WEBSITE: KPFF.COM



REGISTERED PROFESSIONAL ENGINEER  
N. H. PASYEN  
13130  
11/15/2021  
STRUCTURAL  
STATE OF CALIFORNIA  
SIGNATURE DATE: 11/15/2021

DATE:  
11-12-21

DELTA	DESCRIPTION	DATE
	1ST SUBMITTAL	11.12.2021

SHEET NAME:

COVER SHEET

PROJECT:



CALIFORNIA STANDARD DETAILS  
AUTOMATIC LICENSE PLATE READER  
2-7/8" ROUND STEEL POST, 60 WATT SYSTEM

SHEET NUMBER:

1

OF 5 SHEETS

LINETYPES

	RIGHT OF WAY
	EDGE OF PAVEMENT
	SIDEWALK
	CENTERLINE
	GAS
	WATER
	TELEPHONE
	ELECTRIC
	SANITARY SEWER (SEW)
	STORM DRAIN
	FENCE
	CABLE TV
	STEAM
	OIL
	UNKNOWN UTILITY
	RAILROAD

SYMBOLOLOGY

	CAMERA - EXISTING
	CAMERA - PROPOSED
	POLE - PROPOSED
	POLE - EXISTING
	HANDHOLE - EXISTING
	HANDHOLE - PROPOSED
	PEDESTAL - EXISTING
	MANHOLE - EXISTING
	POINT OF INTEREST
	ACCESS POINT
	CULVERT - EXISTING
	FIRE HYDRANT - EXISTING
	WATER MAIN - EXISTING
	WATER VALVE - EXISTING
	GAS VALVE - EXISTING
	DOWN GUY AND ANCHOR
	OVERHEAD GUY
	BORING REQUIRED
	UG CONDUIT - EXISTING

RIGHT OF WAY
EDGE OF PAVEMENT
SIDEWALK
CENTERLINE
GAS
WATER
TELEPHONE
ELECTRIC
SANITARY SEWER (SEW)
STORM DRAIN
FENCE
CABLE TV
STEAM
OIL
UNKNOWN UTILITY
RAILROAD

ABBREVIATIONS:

ABAND	Abandoned	MAX	Maximum
APPROX	Approximate	MB	Mailbox
ASPH	Asphalt	MH	Manhole
BLDG	Building	MIN	Minimum
CL	Centerline	MIT	Mitigation
CMP	Corrugated Metal Pipe	MKR	Marker
CO	County	MMV	Meet Me Vault
CONC	Concrete	MON	Monument
CSG	Casing	MOT	Maintenance of Traffic
CT	Count	NO	Number
CULV	Culvert	OC	Open Cut
DB	Directional Bore	PRK MTR	Parking Meter
DBH	Diameter at Breast Height	P/L	Property Line
D.D.	Down Drain	PED	Pedestal
DEPT	Department	PI	Point of Inflection
DIA	Diameter	PKG	Package
DIR	Directional	PVC	Polyvinyl Chloride
DIST	District	RCB	Reinforced Concrete Box
DOC	Depth of Cover	RCP	Reinforced Concrete Pipe
DOT	Department of Transportation	RD MEM	Roadside Memorial
DWG	Drawing	REQD	Required
DWY	Driveway	RGS	Rigid Galvanized Steel
E MH	Electric Manhole	ROW	Right of Way
E MKR	Electric Line Marker	RR	Railroad
E PED	Electric Pedestal	SCB	Sprinkler Control Box
E VLT	Electric Vault	SD	Storm Drain/Curb Inlet
EM	Electric Meter	SDMH	Storm Water Manhole
ENC	Encased	SEC.	Section
ENG	Engineering	SF	Silt Fence
EOP	Edge of Pavement	SMH	Sanitary Sewer Manhole
EPB	Electric Pull Box	SPL	Splice
EXIST	Existing	SS CO	Sanitary Sewer Clean Out
FDH	Fiber Distribution Hub	SS LIFT	Sanitary Sewer Lift Station
FDT	Fiber Distribution Terminal	STA.	Station
FH	Fire Hydrant	STD	Standard
FO	Fiber Optic	STR	Section Township Range
FO MH	Fiber Optic Manhole	SWPPP	Storm Water Pollution Prevention Plan
FO MKR	Fiber Optic Line Marker	T HH	Telecom Handhole
FO VLT	Fiber Optic Vault	T MH	Telecom Manhole
FOC	Face of Curb	T MKR	Telecom Line Marker
FS	Filter Sock	T PED	Telecom Pedestal
G MH	Gas Manhole	T VLT	Telecom Access Vault
G MKR	Gas Line Marker	T.P.	Trench Plug
G SD	Grated Storm Drain	TCB	Traffic Control Box
GALV	Galvanized	TCE	Temporary Construction Easement
GEO SRV MKR	Geodetic Survey Marker	TCV	Traffic Control Vault
GM	Gas Meter	TRF MH	Traffic Control Manhole
GV	Gas Valve	TSP	Traffic Signal Light
GWMW	Groundwater Monitoring Well	TYP	Typical
HDPE	High Density Polyethylene	UG	Underground
HH	Handhole	UNK MH	Unknown Manhole
HWY	Highway	UNK PED	Unknown Pedestal
I.P.	Inlet Protection	UNK UTL MKR	Unknown Utility Marker
ILA	In Line Amplifier	UNK VLT	Unknown Vault
INC	Incorporated	UTL LP	Utility Light Pole
INT	Intermediate	UTL P	Utility Pole
L/A ROW	Limited Access Right of Way	VLT	Vault
LF	Linear Feet	VP	Gas Vent Pipe
LOC MKR	Locating Marker	W MH	Water Manhole
LP	Light Pole	W MKR	Water Line Marker
		W SPG	Water Spigot
		W VLT	Water Vault
		WM	Water Meter
		WV	Water Valve

REVISIONS

DATE	REV	DESCRIPTION

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Know what's below. Call before you dig.

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DESIGN NOTES:

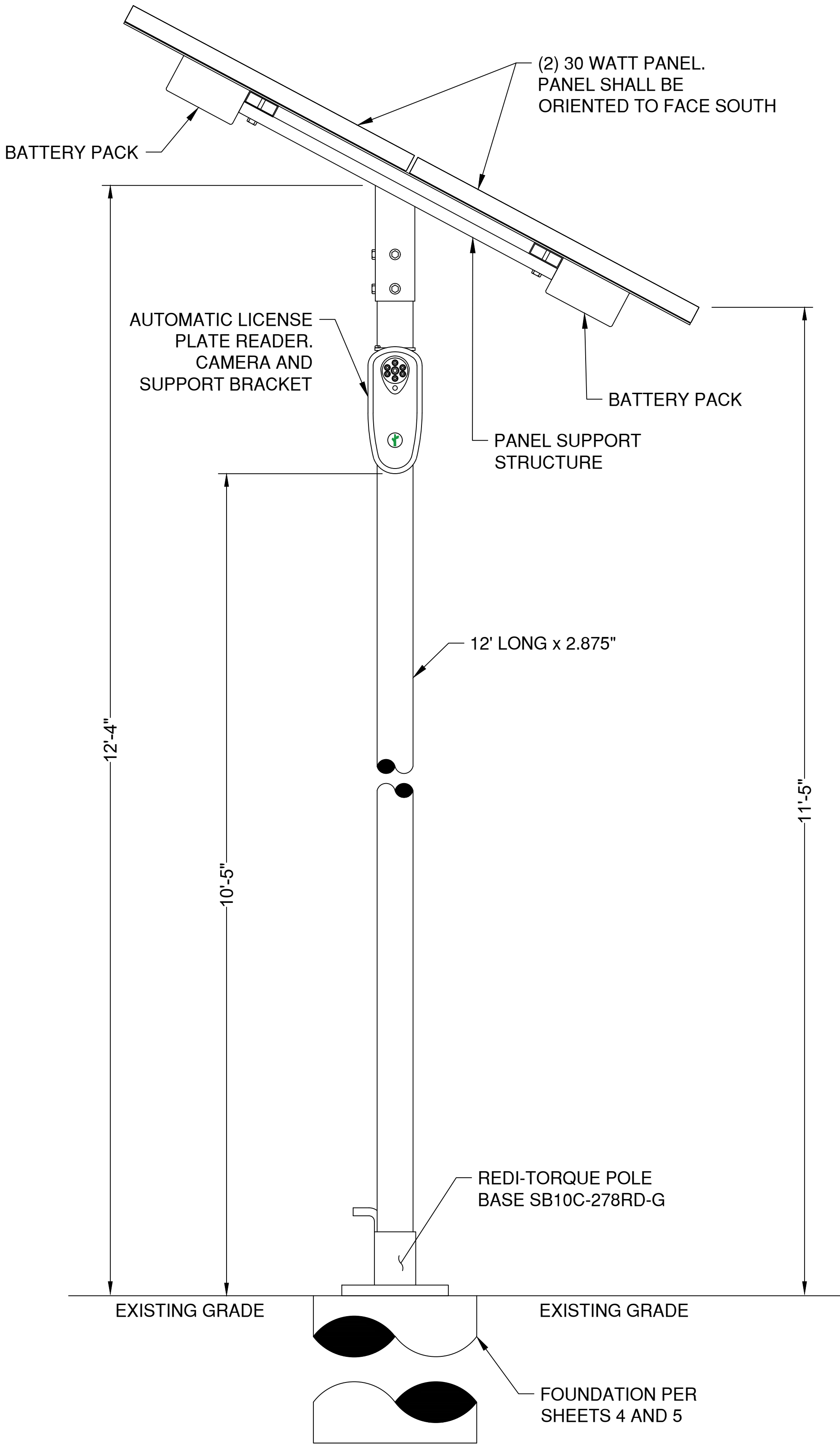
- POLE AND FOUNDATION DESIGNED PER AASTHO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 2015 EDITION WITH 2017, 2018 & 2019 INTERIMS.
- POLE DESIGN WIND SPEED IS 100 MPH BASED ON A 300-YEAR MRI.

GENERAL & CONSTRUCTION NOTES

- CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT DESIGNATED AGENCY TO LOCATE ALL UNDERGROUND UTILITIES 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE TO APPLY AND OBTAIN AN APPROVED TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND LOCAL STANDARDS AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE ALL DISTURBED AREAS TO ORIGINAL CONDITION TO STATE DEPARTMENT OF TRANSPORTATION AND LOCAL AGENCY SATISFACTION AT NO ADDITIONAL COMPENSATION.
- ALL WORK SHALL CONFORM TO ALL APPLICABLE ELECTRICAL CODES EXCEPT WHEN SATE DEPARTMENT OF TRANSPORTATION AND LOCAL AGENCY STANDARDS SUPERSEDE.
- CONNECT POLE TO SOLID BARE BOND GROUND & GROUNDING ROD (OR COIL 25' OF NO. 6 BARE COPPER) IN POLE FOUNDATION & TO SYSTEM GROUND BONDED BACK TO FLOCK SAFETY CABINET.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE DEPARTMENT OF TRANSPORTATION AND LOCAL AGENCY SPECIFICATIONS UNLESS SPECIFICALLY STATED OR SHOWN OTHERWISE HEREIN.
- CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE SOIL TYPE AND SUITABILITY REQUIREMENTS PRIOR TO CONSTRUCTION. THIS STEP MAY INCLUDE GEOTECHNICAL TESTING AND/OR CONSULTATION WITH A QUALIFIED GEOTECHNICAL ENGINEER AS DIRECTED BY THE PROJECT MANAGER.

ADA COMPLIANCE NOTES:

- ALL SIDEWALK CONSTRUCTION SHALL BE IN ACCORDANCE WITH ADA TITLE II AND ALL STATE DEPARTMENT OF TRANSPORTATION AND LOCAL STANDARDS.
- USE STATE DEPARTMENT OF TRANSPORTATION CURRENT EDITION STANDARDS FOR PEDESTRIAN CONTROL PLANS FOR CLOSURE OF SIDEWALK.
- MINIMUM SIDEWALK CLEAR PEDESTRIAN ACCESS ROUTE (PAR) IS 48" WIDE.
- NO OBSTRUCTION IS PERMITTED ALONG THE WIDTH OF THE SIDEWALK UP TO 7'-0" IN HEIGHT.



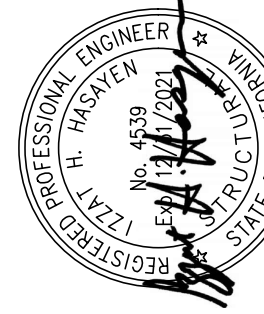
DETAIL "A"  
60 WATT SYSTEM ASSEMBLY

12' LONG x 2.875" O.D.

CONTACT:




1601 FIFTH AVE SUITE 1600  
SEATTLE, WA 98101  
PHONE: (206) 622-5822  
WEBSITE: KPFF.COM



SIGNATURE DATE: 11/15/2021

DATE:  
11-12-21

DATE	DESCRIPTION	DELTA
11.12.2021	1ST SUBMITTAL	

PROJECT:



CALIFORNIA STANDARD DETAILS  
AUTOMATIC LICENSE PLATE READER  
2 7/8" ROUND STEEL POST, 60 WATT SYSTEM

SHEET NAME:

GENERAL NOTES &  
POLE ASSEMBLY DETAIL

SHEET NUMBER:

2  
OF 5 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)

BOM					
Item	Part Number	Part Name	QTY.	MASS (LB)	CROSS-SECTIONAL AREA (FT^2)
1	204-00029	14' BLACK 2-PIECE POLE	1	17	2.9 x 2.9 x 168.0
2	701-00116	Double Panel - Top Mount	1		21.3 x 28.3 x 10.5
3	701-0059	Flock Safety Camera	1	3.6	3.3 x 4.3 x10.5
4	702-0007	RAM Ball Mount & Adapter	1	1.4	N/A
5	701-00011	Battery Pack	2	4.4	2.8 x 3.9 x 10.8

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

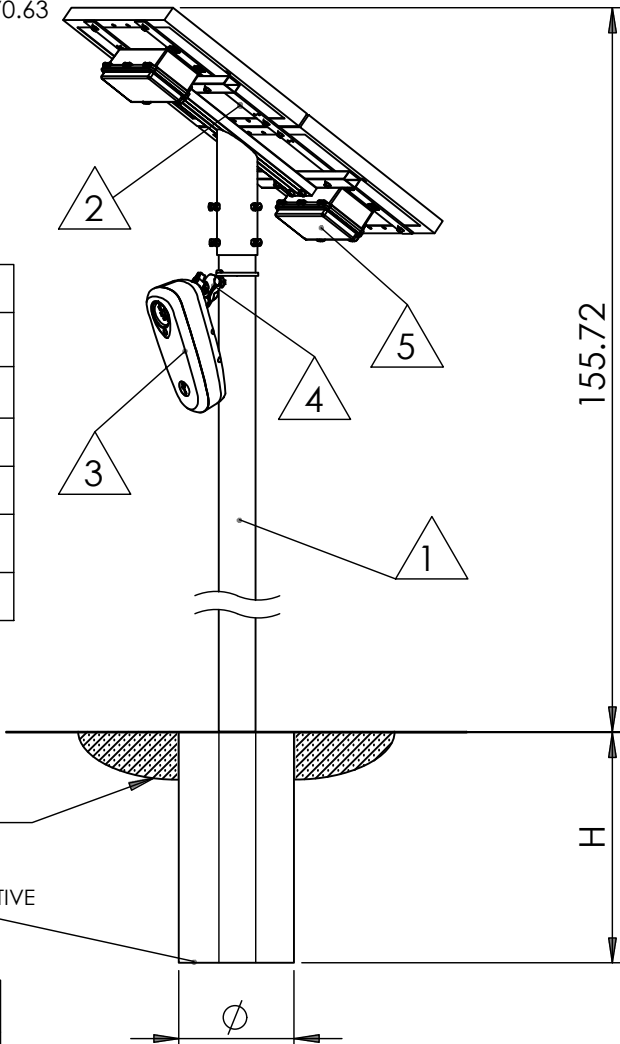
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		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ±1/16 ANGULAR: X.X° ±3° X.XX ±1° DECIMAL: X.X ±.02 X.XX ±.01 X.XXX ±.005
		MATERIAL
		FINISH
NEXT ASSY	USED ON	
APPLICATION		DO NOT SCALE DRAWING

	NAME	DATE
DRAWN		
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

flock safety		
TOP POLE MOUNT - DOUBLE SOLAR PANEL WITH 2 EXTERNAL BATTERIES		
SIZE <b>A</b>	DWG. NO. <b>905-00005</b>	REV. <b>A</b>
SCALE: 1:20	SHEET 1 OF 1	



REVISIONS

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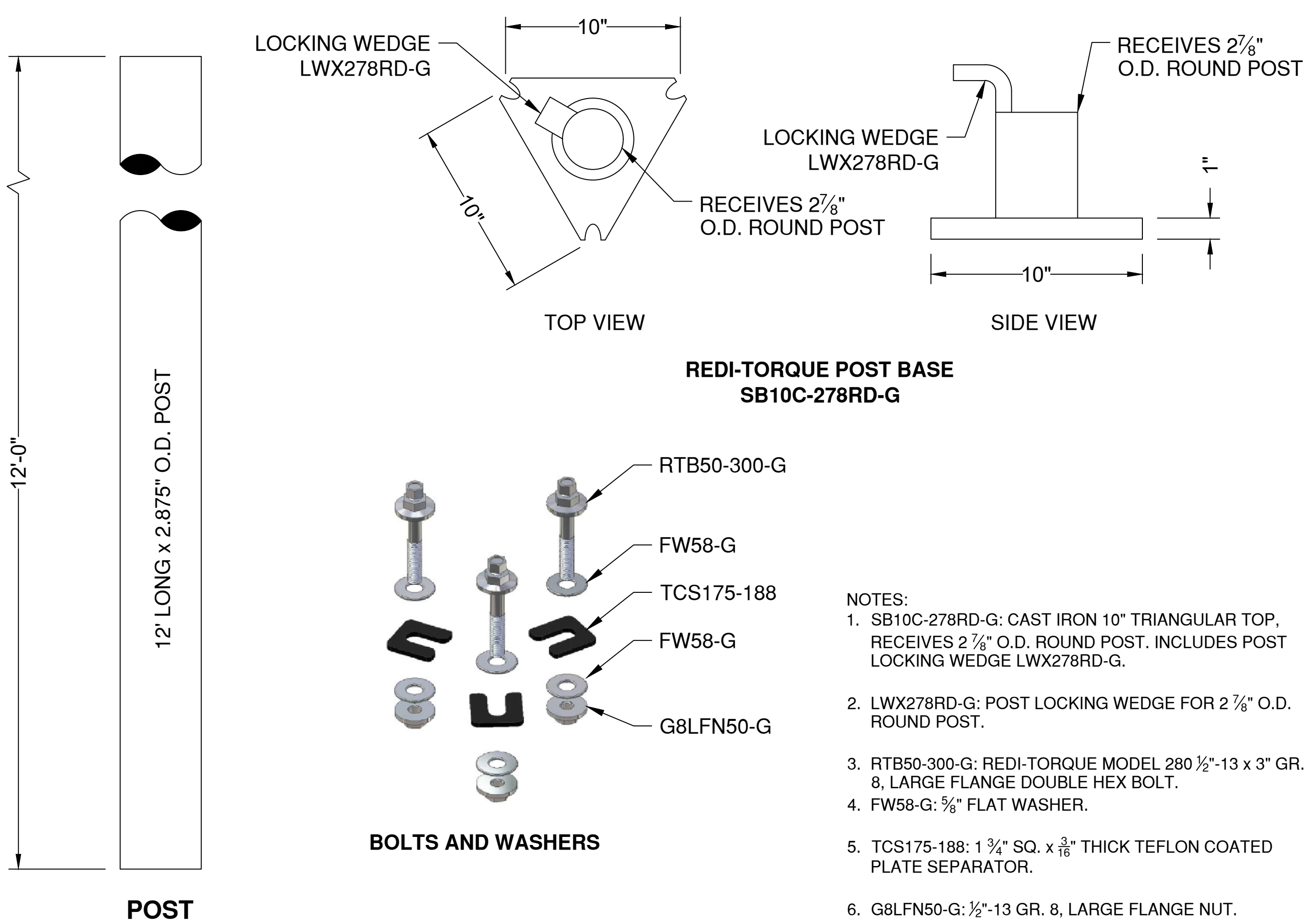
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TYPICAL DETAILS

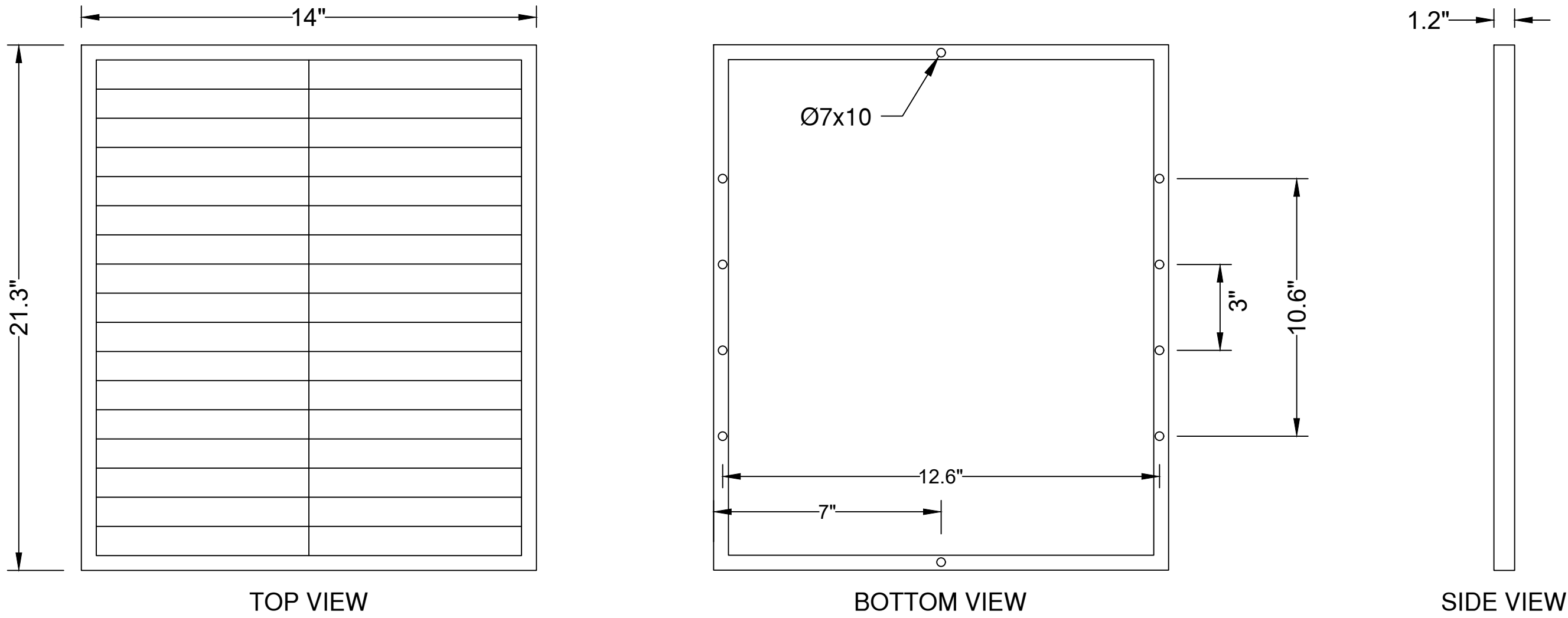
SPEC.03

Nov 12, 2021 - 11:21am / FlockSafety\_ALPR 60W - CA Standards.dwg



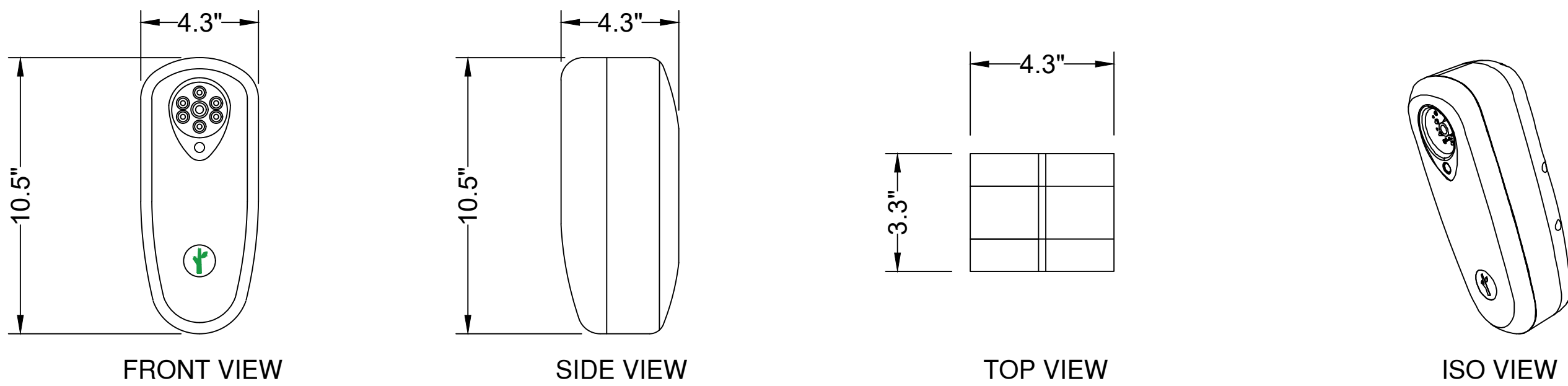
### POST DETAIL

- NOTES:
- SB10C-278RD-G: CAST IRON 10" TRIANGULAR TOP, RECEIVES 2 7/8" O.D. ROUND POST. INCLUDES POST LOCKING WEDGE LWX278RD-G.
  - LWX278RD-G: POST LOCKING WEDGE FOR 2 7/8" O.D. ROUND POST.
  - RTB50-300-G: REDI-TORQUE MODEL 280 1/2"-13 x 3" GR. 8, LARGE FLANGE DOUBLE HEX BOLT.
  - FW58-G: 5/8" FLAT WASHER.
  - TCS175-188: 1 3/4" SQ. x 3/16" THICK TEFLON COATED PLATE SEPARATOR.
  - G8LFN50-G: 1/2"-13 GR. 8, LARGE FLANGE NUT.



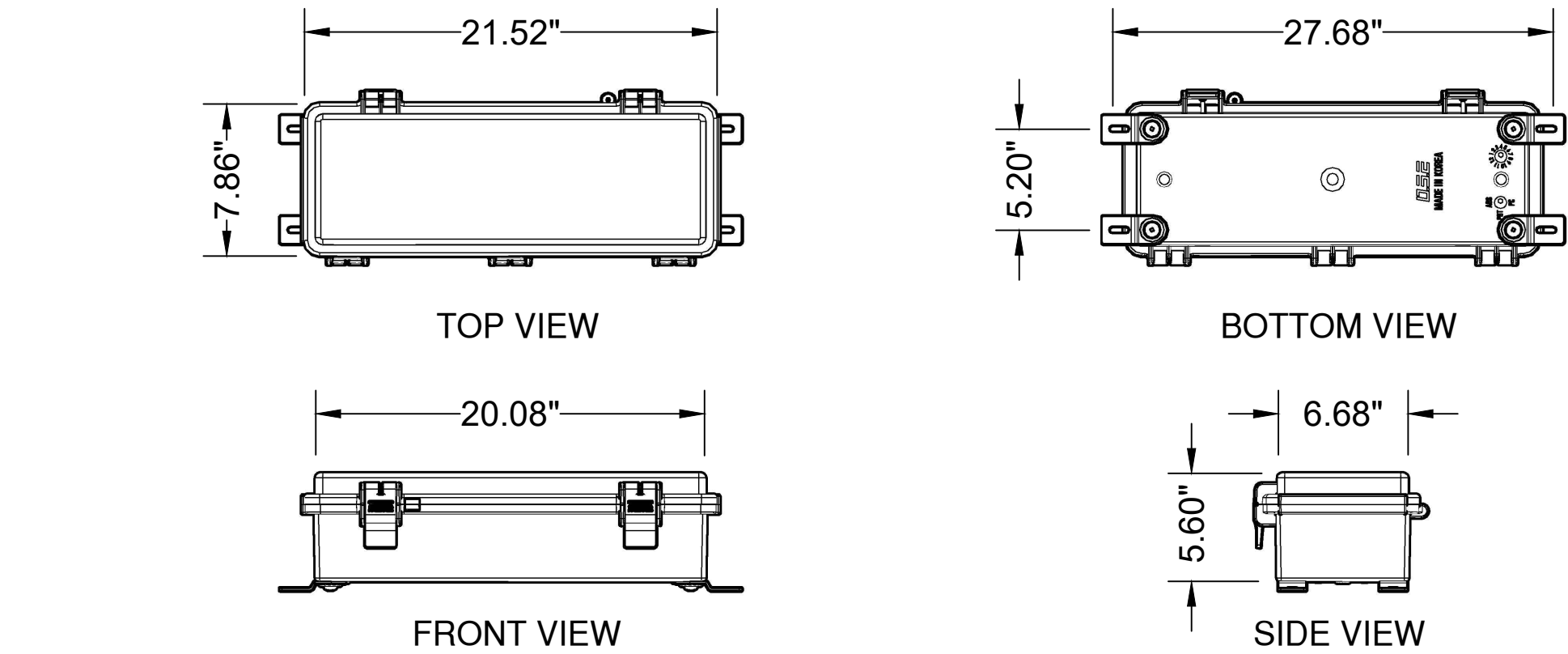
### (2) - 30 WATT PANEL DETAIL

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



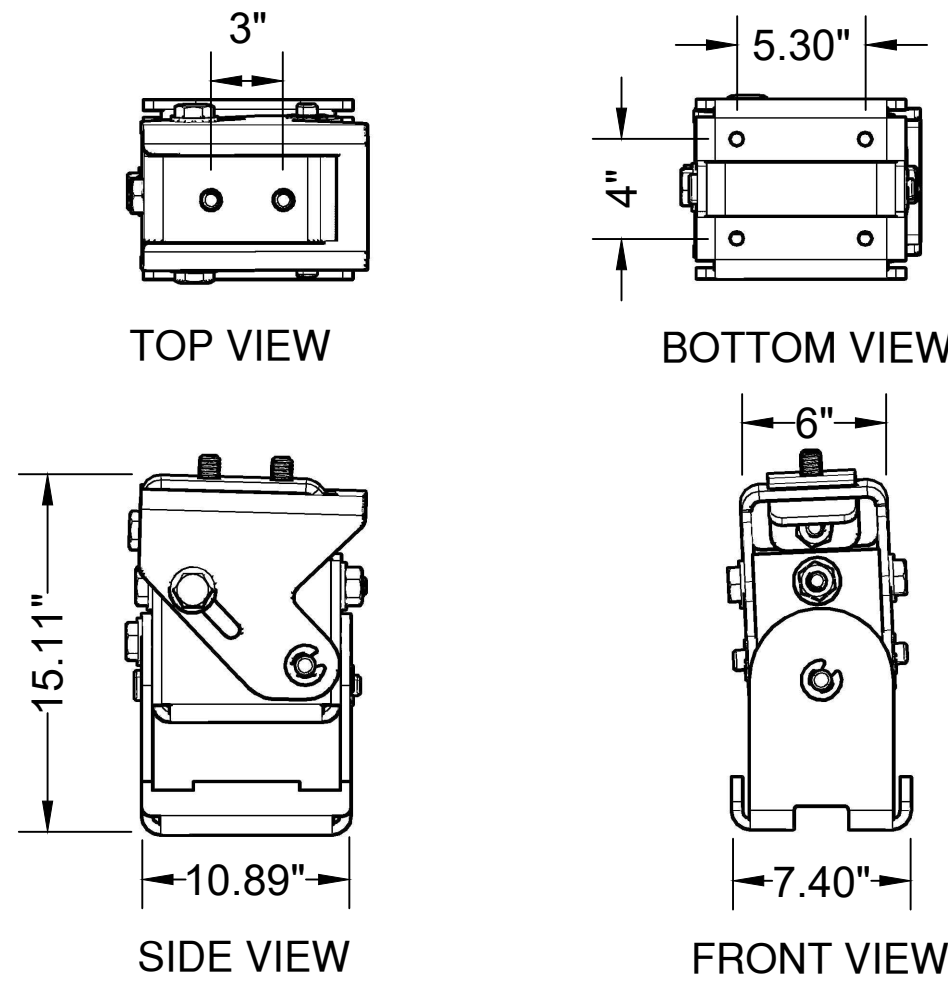
### AUTOMATIC LICENSE PLATE READER CAMERA DETAIL

- NOTES:
- CAMERA SHALL BE MODEL 701-00166 SUPPLIED BY FLOCK SAFETY.

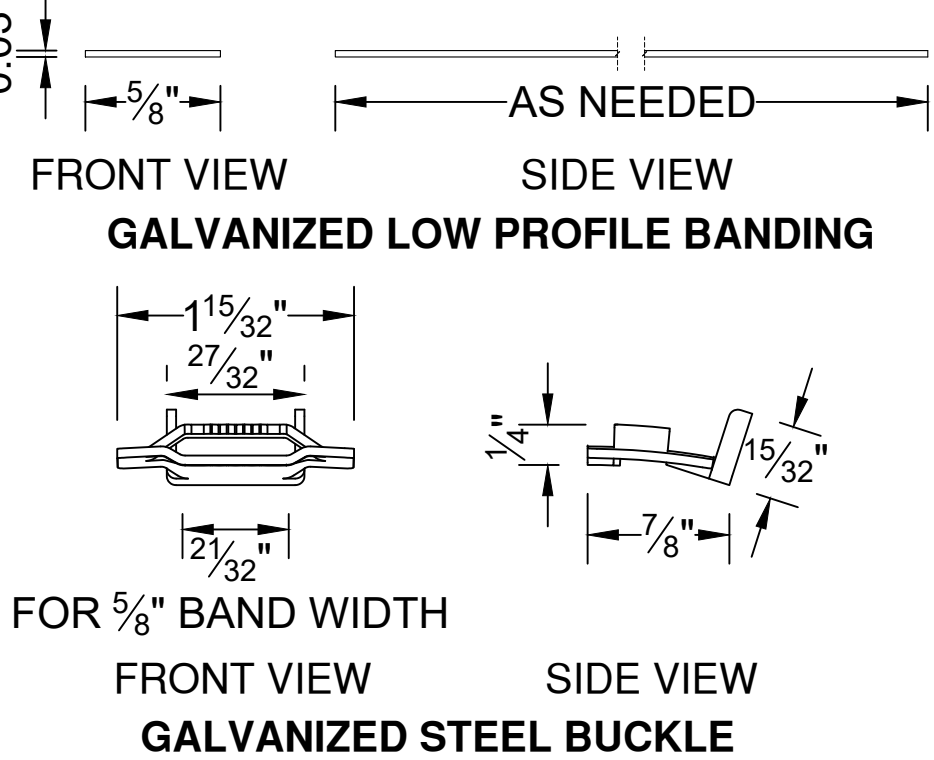


- NOTES:
- BATTERY PACK SHALL BE MODEL 701-00111 SUPPLIED BY FLOCK SAFETY.

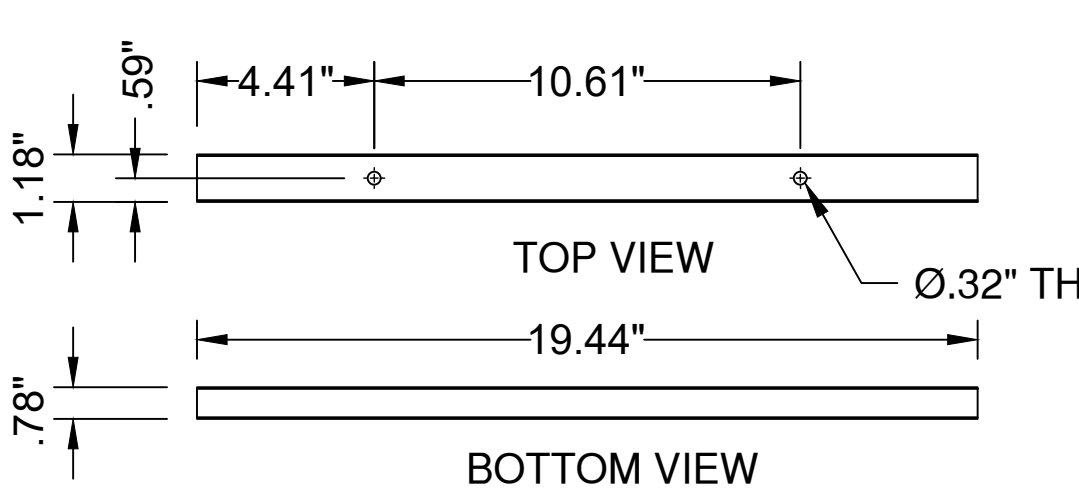
### BATTERY PACK DETAIL



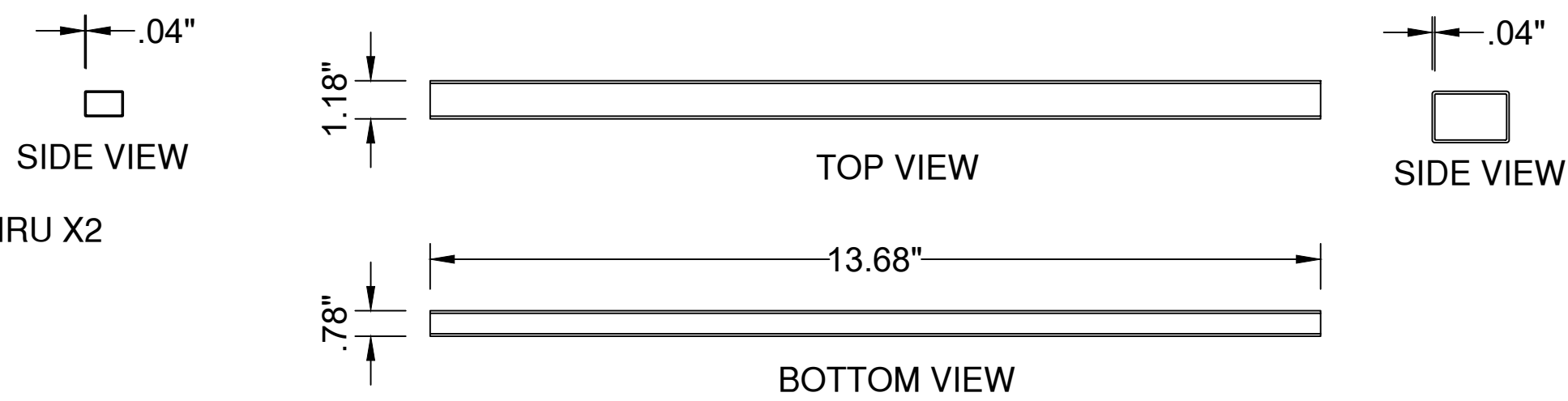
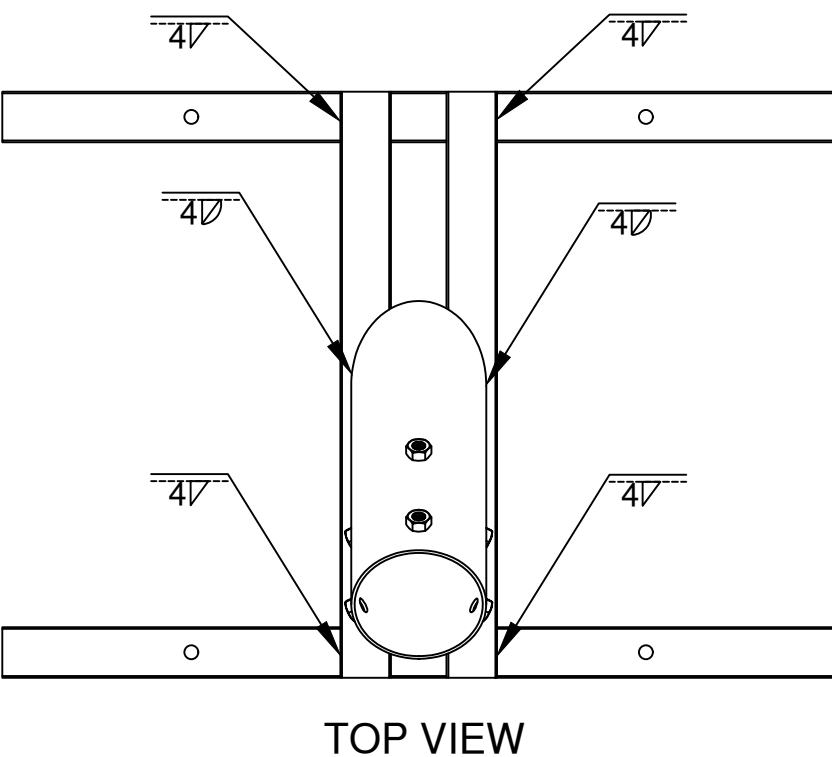
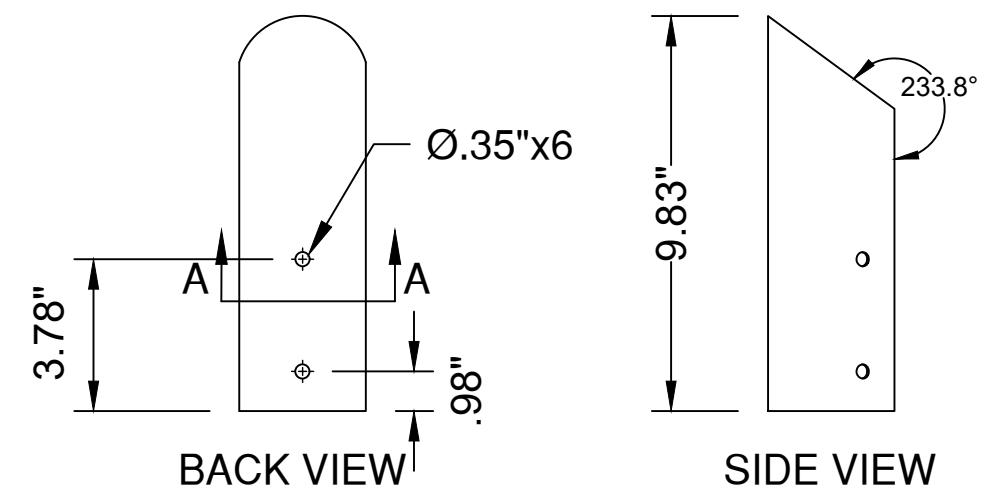
- NOTES:
- CAMERA BRACKET SHALL BE MODEL 701-00112 SUPPLIED BY FLOCK SAFETY.
  - STEEL BUCKLE AND BANDING SHALL BE FROM McMASTER CARR SUPPLY COMPANY.



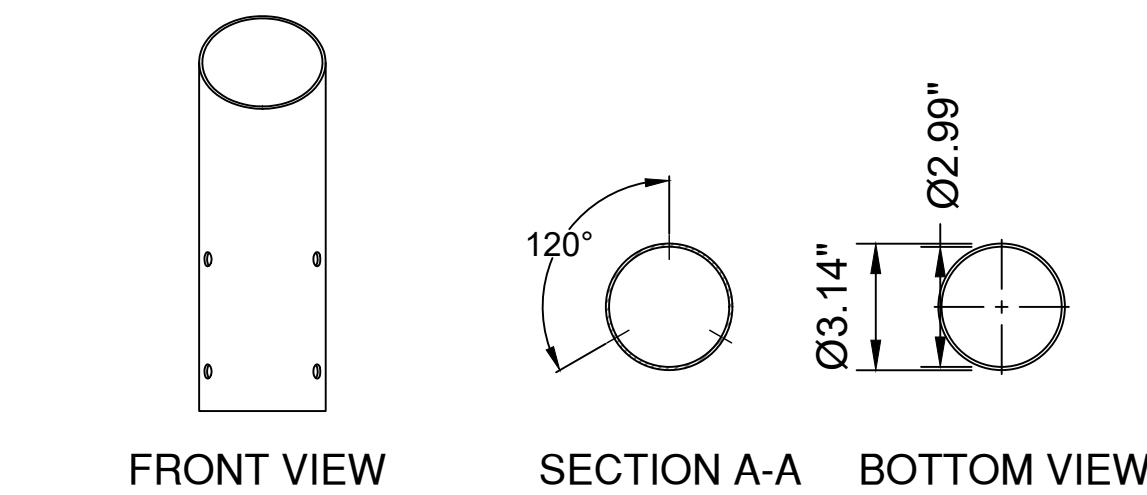
### CAMERA BRACKET DETAILS



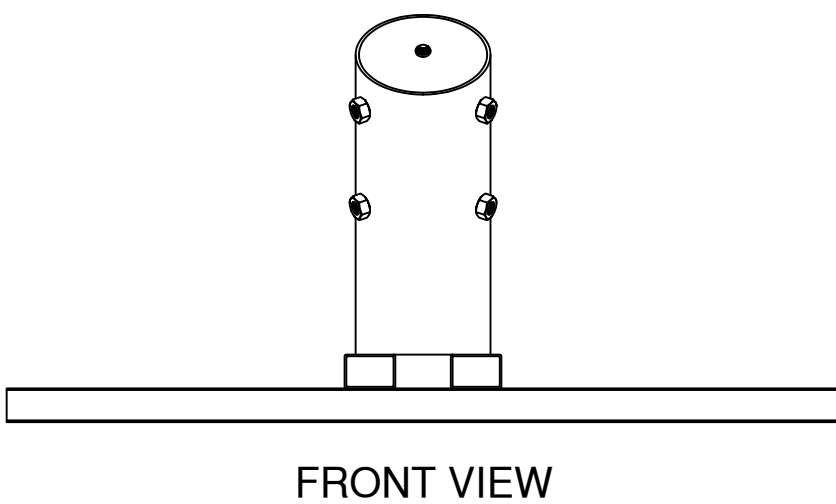
### HORIZONTAL RECTANGULAR BAR



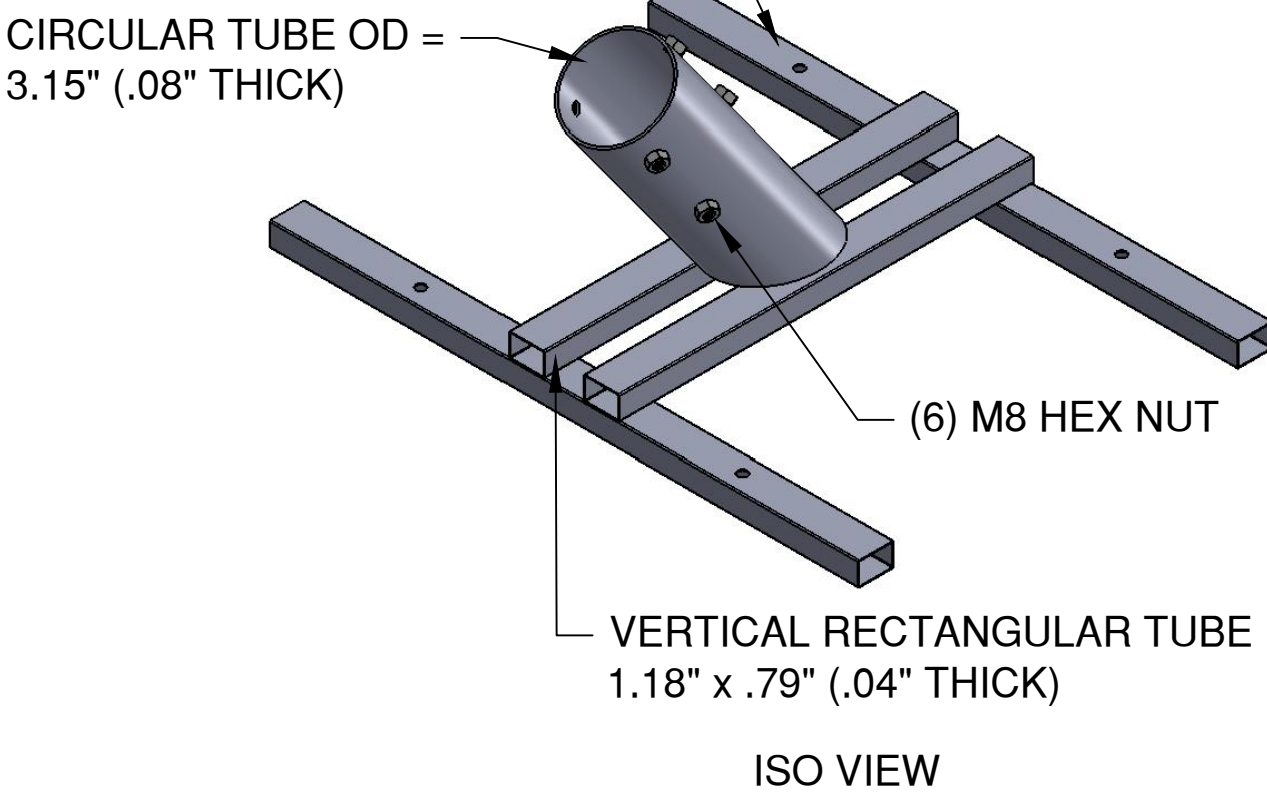
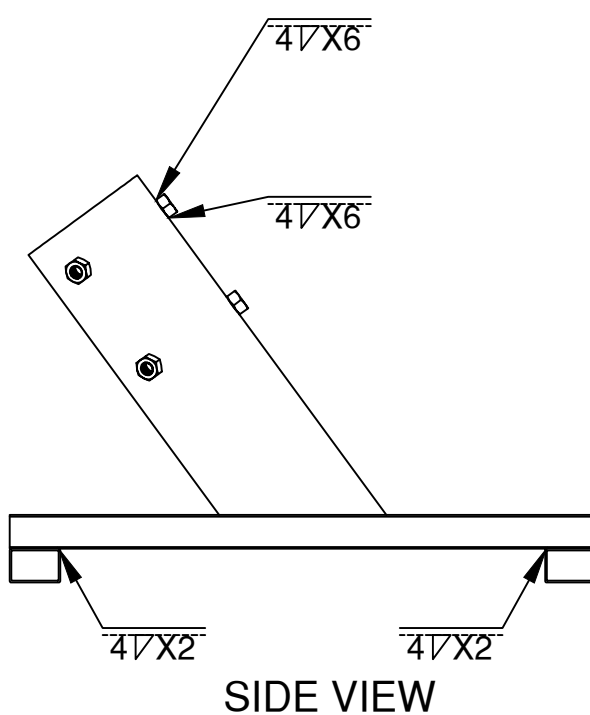
### VERTICAL RECTANGULAR BAR



### CIRCULAR TUBE



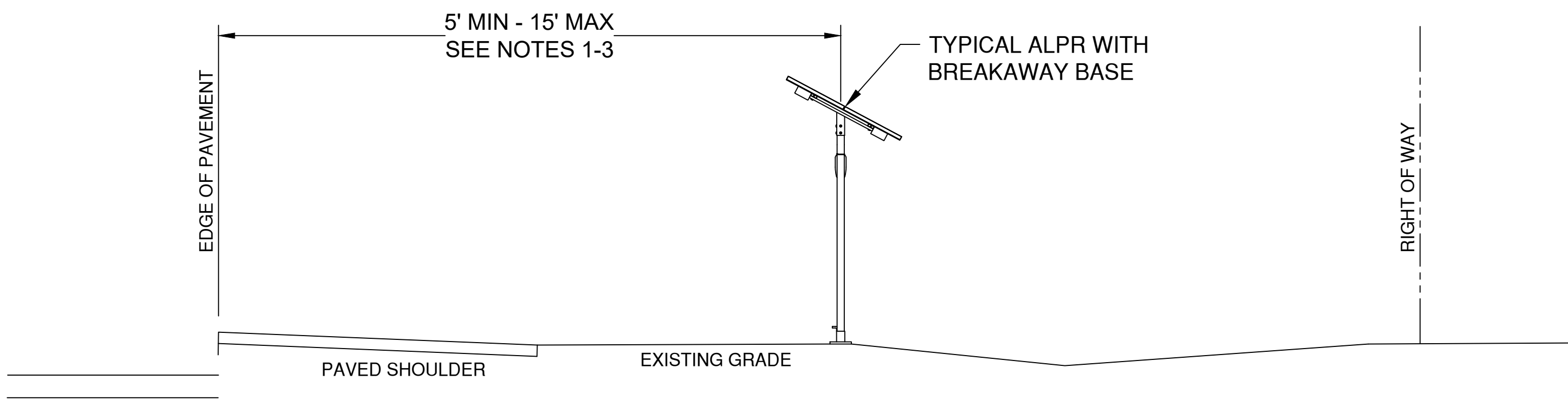
### PANEL BRACKET DETAIL



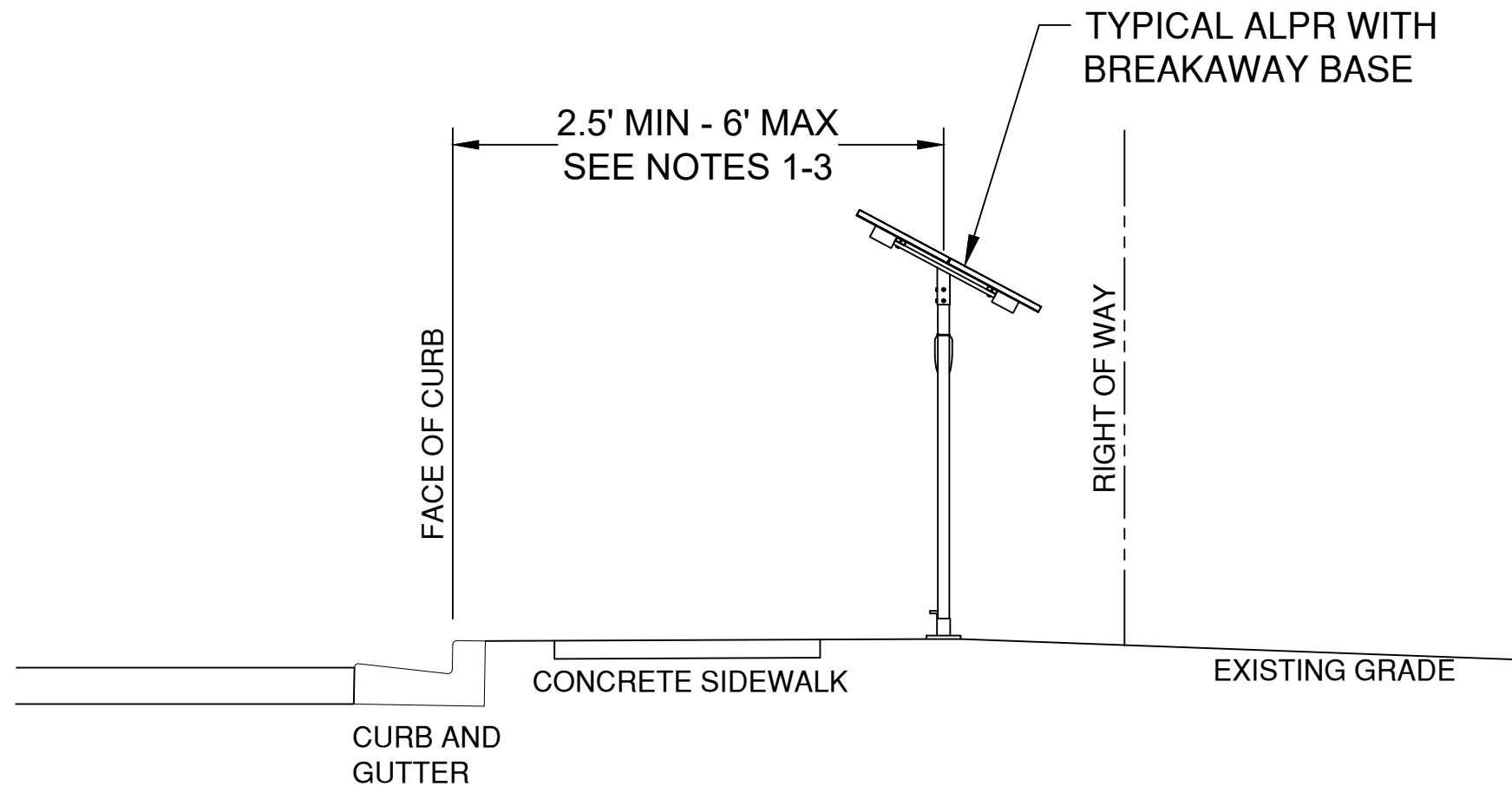
- NOTES:
- DESIGN PER ASME Y14.100-2004.
  - DEBURR ALL SHARP EDGES.
  - PANEL SUPPORT STRUCTURE SHALL BE MODEL 701-00116 SUPPLIED BY FLOCK SAFETY.



Nov 12, 2021 - 11:21am / FlockSafety ALPR 60W - CA Standards.dwg

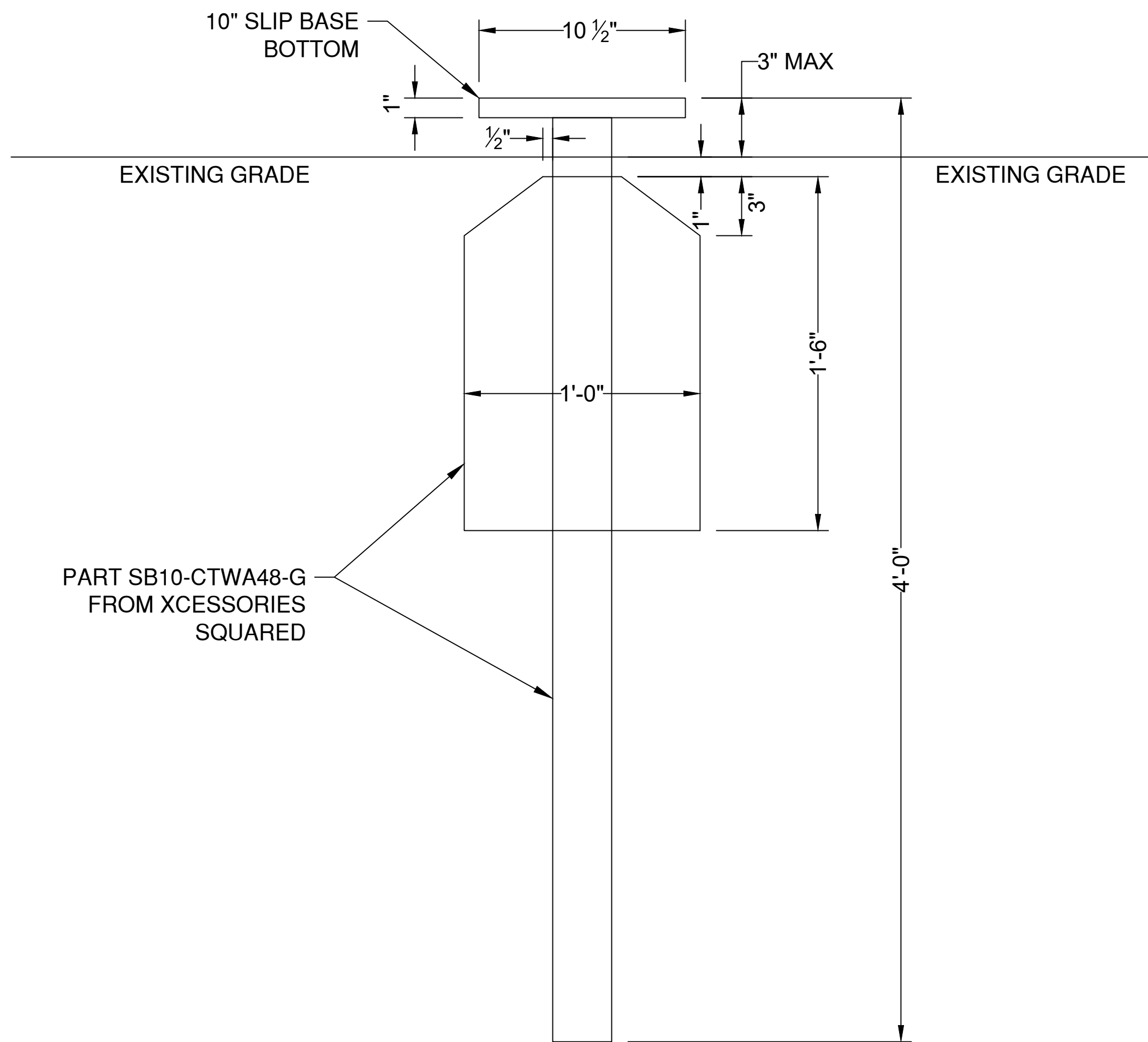


TYPICAL RURAL INSTALLATION



TYPICAL URBAN INSTALLATION

- NOTES:
1. ASSEMBLY INCLUDES AN APPROVED BREAK-AWAY BASE FOR INSTALLATION WITHIN THE ROADWAY CLEAR ZONE.
  2. LATERAL SEPARATION DISTANCE WILL BE DETERMINED ON A CASE-BY-CASE BASED ON CONDITIONS FOR SITE SPECIFIC LOCATIONS.
  3. CLEAR SIDEWALK WIDTH OF 4'-0" SHALL BE MAINTAINED.



FOUNDATION DETAIL - WINGED UNIBASE OPTION



10" SLIP BASE BOTTOM / ANCHOR	
PART NUMBER	ANCHOR SIZE
SB10-CTWA48-G	3"x48"

- NOTES:
1. DO NOT USE THIS DETAIL AT SITES WHERE FOUNDATION WILL BE BELOW THE GROUNDWATER TABLE, OR WHERE SOILS CONSIST OF LOOSE SANDS, SOFT CLAYS OR PEAT. REFER TO THE CONCRETE FOUNDATION DETAIL ON SHEET 5 FOR FOUNDATIONS SUITABLE FOR A BROADER RANGE OF SOIL TYPES AND GROUNDWATER CONDITIONS.
  2. DO NOT USE THIS DETAIL IN SOILS WHERE A SMALL DIAMETER REBAR (#5 OR SMALLER) OR METAL PROBE PENETRATES EASILY TO 6" OR MORE OF DEPTH WHEN THE FULL WEIGHT OF A PERSON IS APPLIED.
  3. DO NOT USE THIS DETAIL IN SOILS WHERE THE STANDARD PENETRATION TEST (SPT) BLOW COUNT IS 10 OR LESS.
  4. CONTRACTOR IS RESPONSIBLE TO VERIFY THE SOIL TYPE AND SUITABILITY BASED ON FIELD CONDITIONS PRIOR TO USE OPTION 1 - WINGED UNIBASE ANCHOR. IF SOILS ARE UNSUITABLE FOR APPLICATION OF WINGED UNIBASE ANCHOR, A SHAFT FOUNDATION SHALL BE USED AS SHOWN ON SHEET 5 OF 5.
  5. ORIENT WINGS SO THAT BROAD FACES ARE FACING IN NORTH-SOUTH DIRECTION AND WING EDGES ARE POINTING IN EAST-WEST DIRECTION.

CONTACT:

kpf

f

1601 FIFTH AVE SUITE 1600  
SEATTLE, WA 98101  
PHONE: (206) 622-5822  
WEBSITE: KPFF.COM

PROFESSIONAL ENGINEER  
N. H. 1530  
11/13/2021  
REGISTERED  
STRUCTURAL ENGINEER  
STATE OF CALIF.

SIGNATURE DATE: 11/15/2021

DATE:

11-12-21

DATE	DESCRIPTION	DELTA
11.12.2021	1ST SUBMITTAL	

flock safety

CALIFORNIA STANDARD DETAILS  
AUTOMATIC LICENSE PLATE READER  
2 7/8" ROUND STEEL POST, 60 WATT SYSTEM

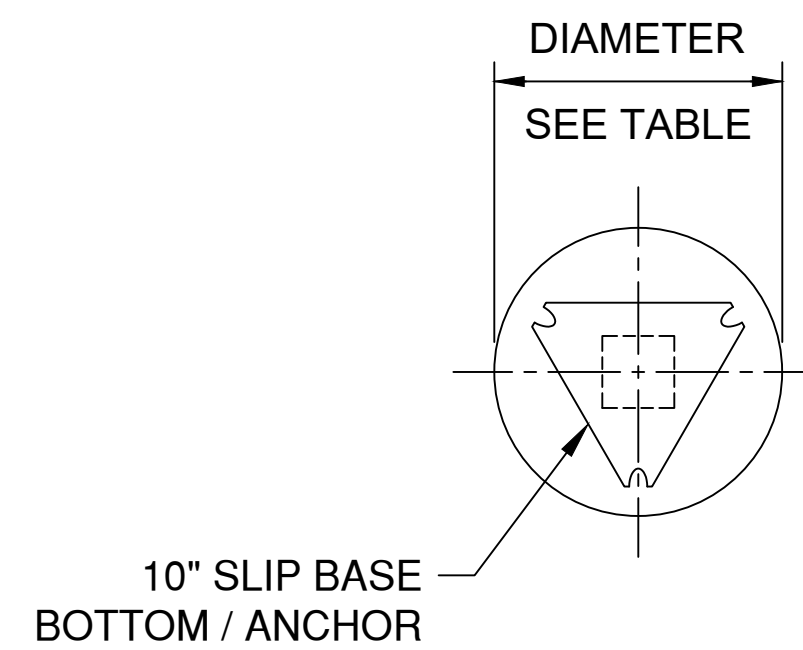
SHEET NAME:

FOUNDATION DETAILS -  
WINGED UNIBASE OPTION

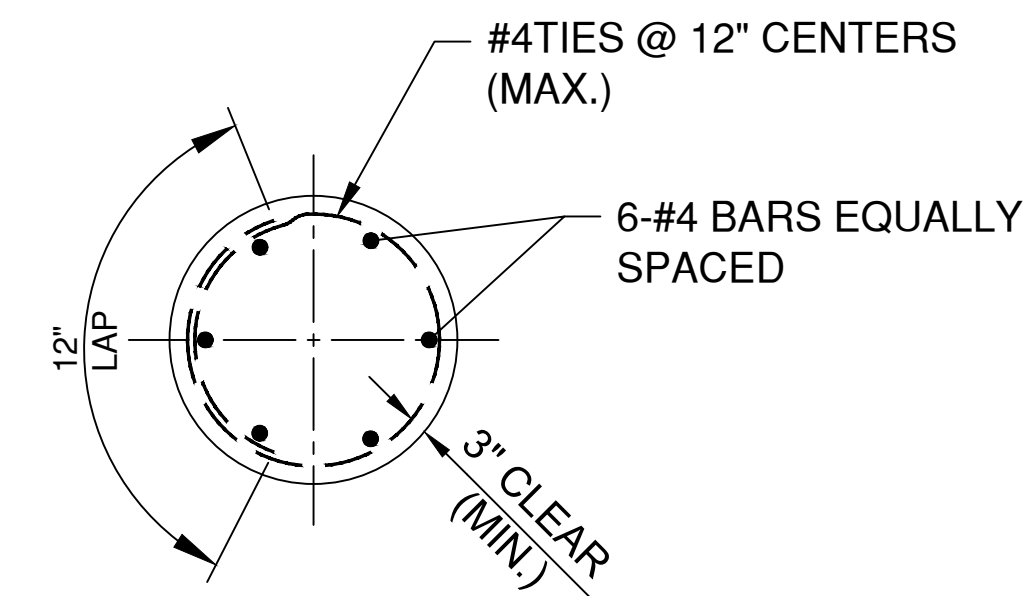
SHEET NUMBER:

4

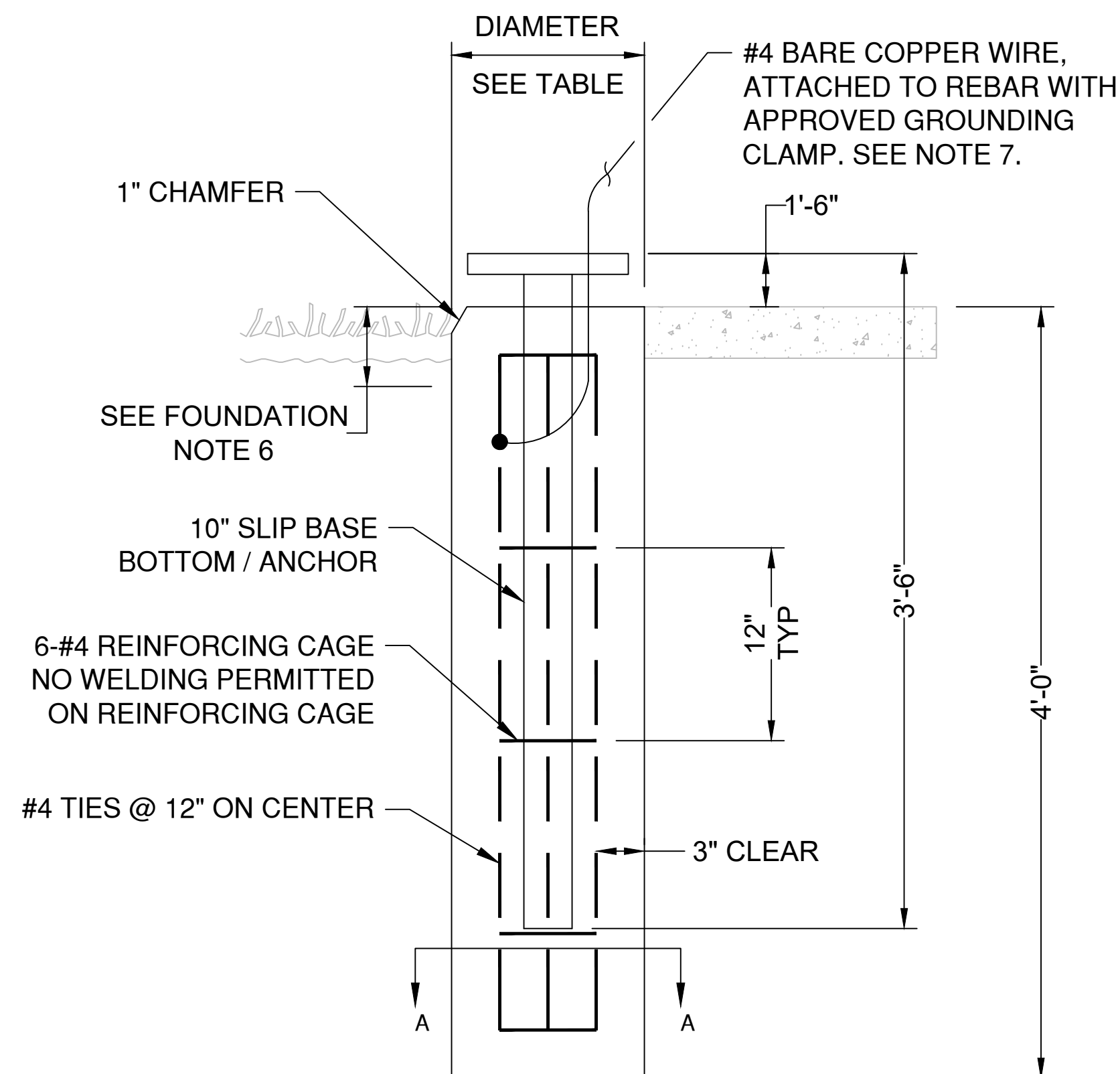
OF 5 SHEETS



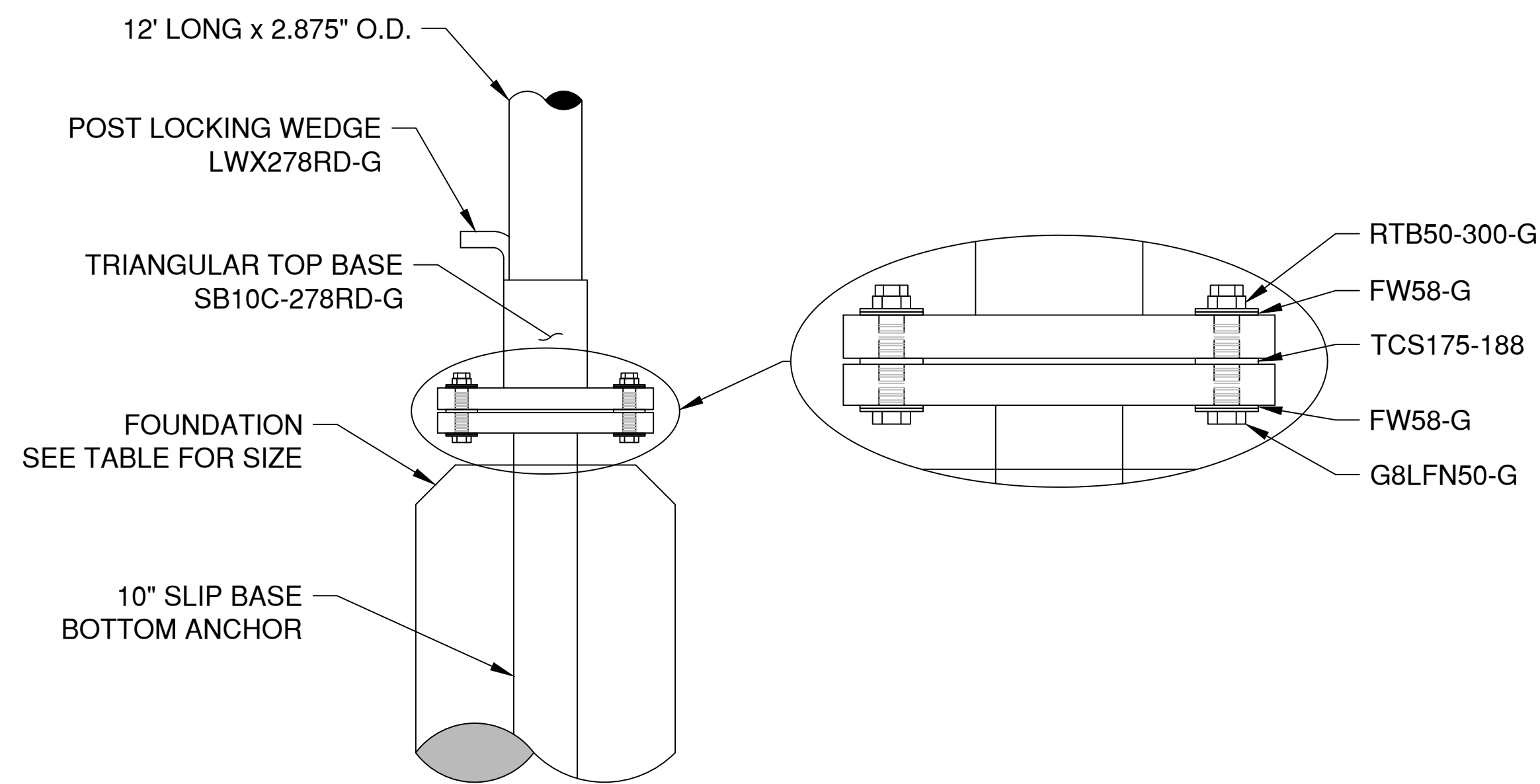
TOP VIEW



SECTION A-A



**DETAIL "A"**  
**FOUNDATION DETAIL - CONCRETE SHAFT OPTION**  
**(PRECAST OR POURED-IN-PLACE)**



## BASE MOUNTING DETAIL



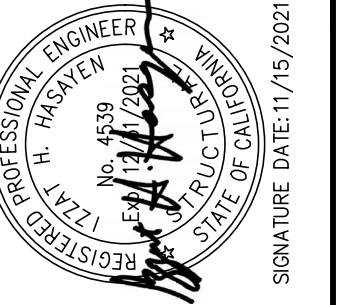
FOUNDATION NOTES:

1. CONCRETE: CLASS I WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI, AND HAVE AT LEAST 505 POUNDS OF CEMENTITIOUS MATERIAL PER CUBIC YARD.
2. REINFORCING STEEL: ASTM A615, GRADE 60.
3. FOR PRECAST CONCRETE FOUNDATIONS, FILL THE VOID AROUND THE FOUNDATION WITH FLOWABLE FILL OR CLEAN SANDS USING HYDRAULIC METHODS TO A LEVEL 6 INCHES BELOW GRADE.
4. WHERE FOUNDATION ABUTS THE SIDEWALK, THE TOP OF THE FOUNDATION SHALL BE LEVEL WITH THE SIDEWALK. FOR ALL OTHER CASES, THE TOP OF THE FOUNDATION SHALL NOT BE MORE THAN 3 INCHES ABOVE GRADE.
5. SUPPLEMENTAL GROUNDING CONDUCTOR SHALL BE NON-INSULATED #4 AWG STRANDED COPPER AND SHALL BE CLAMPED TO VERTICAL REBAR WITH A CONNECTOR SUITABLE FOR USE IN CONCRETE: PROVIDE 3'-0" MIN. SLACK. ATTACH TO POLE GROUNDING STUD WITH A FULL CIRCLE CRIMP-ON CONNECTOR (CRIMPED WITH A MANUFACTURER RECOMMENDED CRIMPER).

FOUNDATION DESIGN NOTES:

1. DO NOT USE THIS DETAIL FOR SITES WHERE SOIL CONSISTS OF SOFT CLAY, PEAT OR ANY OTHER SOIL WHERE A SMALL DIAMETER REBAR (#5 OR SMALLER) OR METAL PROBE PENETRATES EASILY TO 6" OR MORE OF DEPTH WHEN THE FULL WEIGHT OF A PERSON IS APPLIED.

POLE TYPE	WIND SPEED	POLE HEIGHT	FOUNDATION		FOUNDATION REINFORCEMENT	
			DIAMETER	DEPTH	VERTICAL	HORIZONTAL
2.875" O.D. STEEL POST	100 MPH	12'	1'-0"	4'-0"	6 - NO. 4	NO. 4 @ 12" C-C



DATE:  
12-21

DATE	REASON FOR SUBMITTAL	DATE
△	1ST SUBMITTAL	11.12.2021

**flock safety**  
CALIFORNIA STANDARD DETAILS  
AUTOMATIC LICENSE PLATE READER  
2-7/8" ROUND STEEL POST, 60 WATT SYSTEM

FOUNDATION DETAILS -  
CONCRETE SHAFT OPTION



**Figure 6C-3. Example of a One-Lane, Two-Way Traffic Taper**