1/2" Hex Bolt (Head Size)

TABLE 101: SOLAR FIXTURE SPECIFICATIONS	
Dimensions	10" x 7 3/8" x 2 5/8"
Weight	13.8lbs
Material	Cast and Powder Coated Aluminum
Weatherproof Rating	IP65
Lighting Circuit Efficiency	85%
Lumen Output per Fixture	1000 (150 W eq.)
Storage Battery Technology	Lithium Ion
Light Operation Duration	14 hours
Max Sign Ilumination Area	10' x 14'
Operating Modes	Auto / Off

$5\frac{1}{8}$"

$4\frac{5}{8}$"

$\frac{3}{4}$"

$7\frac{3}{8}$"

10"

$2\frac{5}{8}$"

5/16"   2×1 1/8"

4x 1/4" Hex Bolt (Head Size)

$5\frac{5}{8}$"

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$10\frac{5}{8}$"

$1'-1$"

8x 3/16" Rivets

2x 1/4" Socket Bolt (Head Size)

$2\frac{3}{8}$"

$\frac{1}{4}$"

$\frac{3}{8}$"

$4\frac{3}{4}$"

$6\frac{1}{4}$"

$\frac{3}{4}$"

$\frac{5}{8}$"

Fully Closed (0 deg angle)

Fully open (76 deg angle)

76°
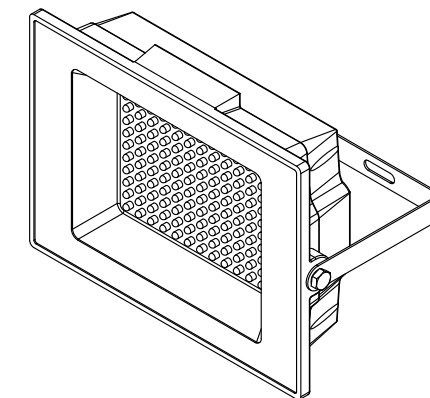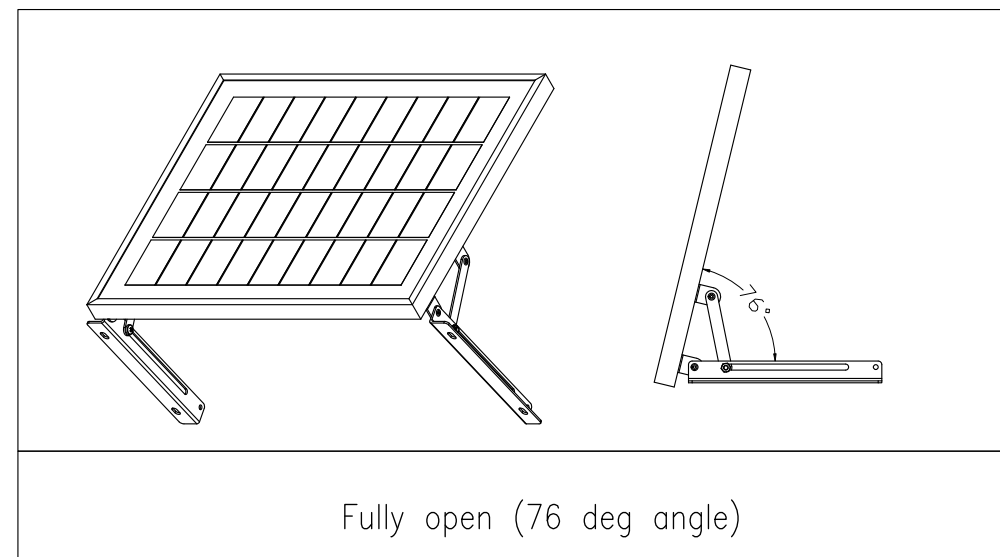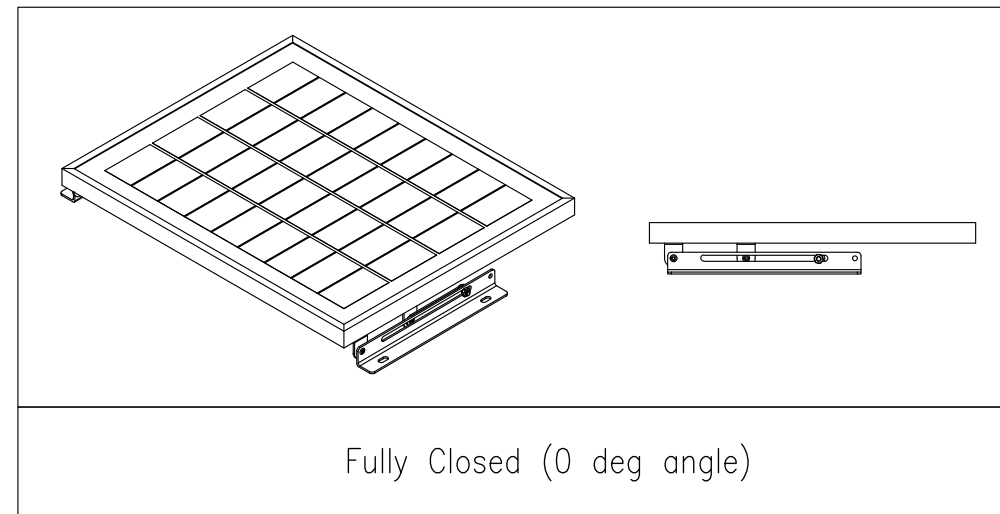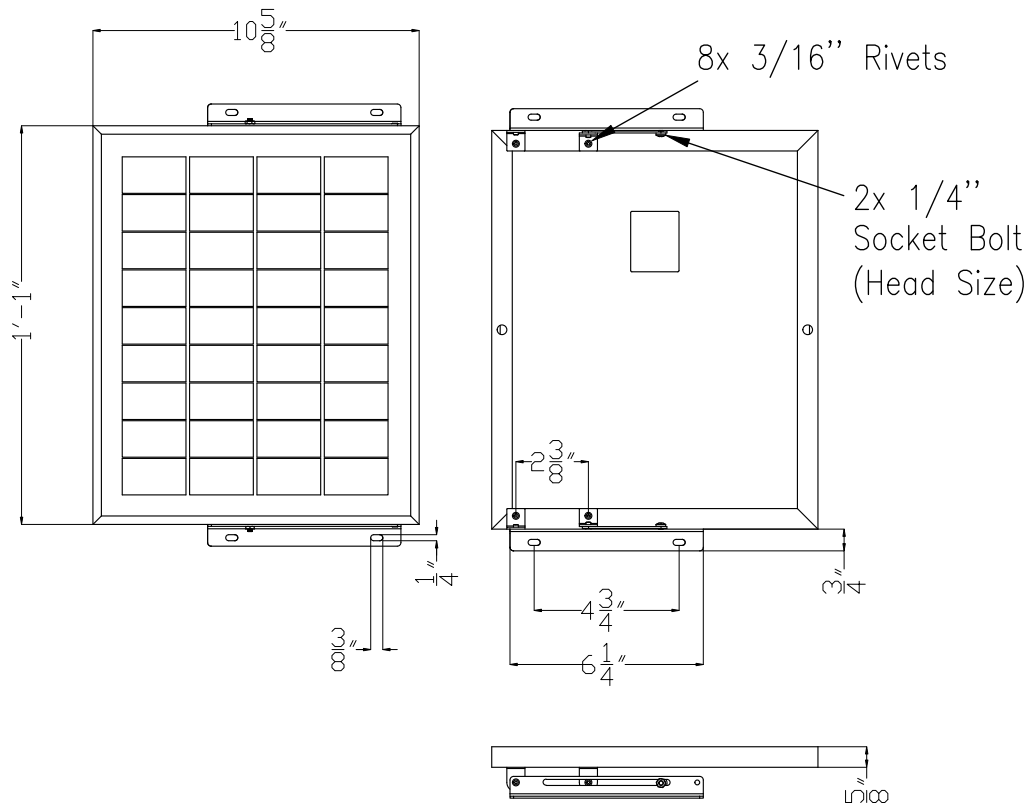
TABLE 201: SOLAR PANEL SPECIFICATIONS	
Dimensions	13" x 10 5/8" x 5/8"
Weight	5 lbs
Cell Type	Monocrystalline
Peak Power	10 W
Open Circuit Voltage	18 V
Wire Length	15'

ID

Wd

5/16''-18
Hex Nut

5/16''-18
x 1 7/16'' Bolt

ID

D
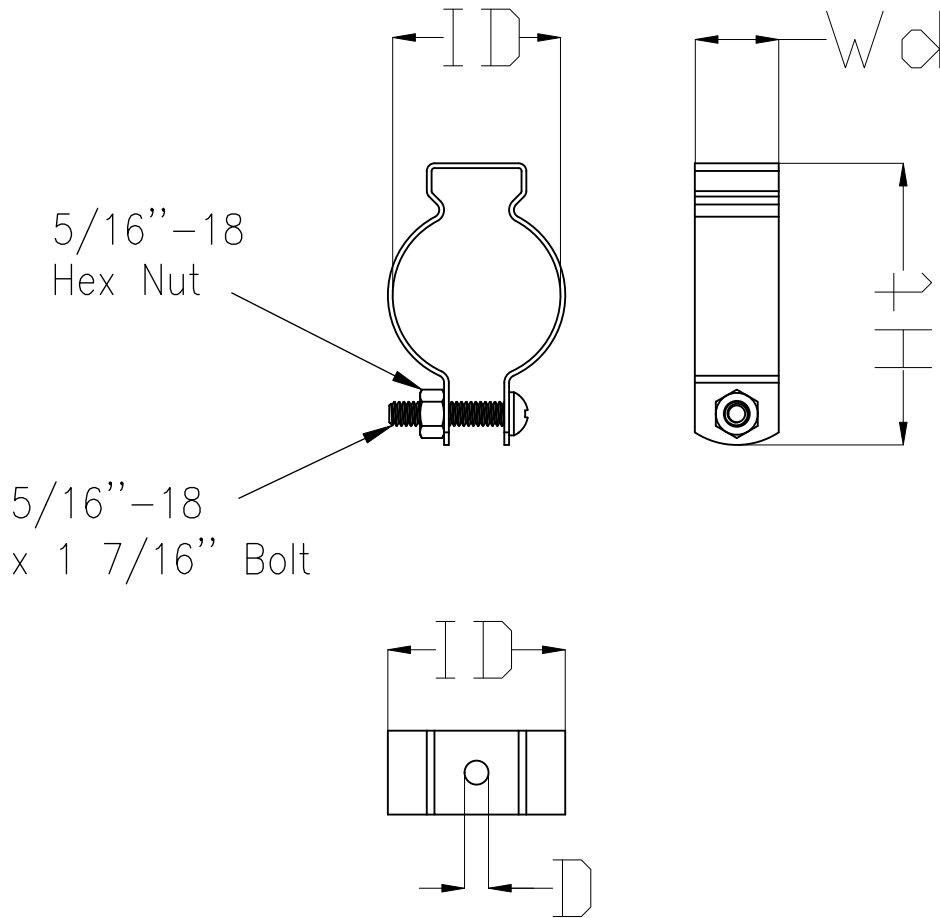
TABLE 301: CLAMPING HANGER DIMENSIONS						
Pole Size	ID	Lt	Wd	Ht	D	Cap. [lbs]
1''	1 1/2''	1 5/16''	7/8''	2 5/8''	1/4''	70
1 1/4''	1 3/4''	1 3/4''	7/8''	2 15/16''	1/4''	80
1 1/2''	1 7/8''	2 1/4''	1''	3 1/4''	5/16''	80
2''	2 3/8''	2 3/4''	1 1/4''	3 13/16''	5/16''	100
2 1/2''	2 7/8''	3''	1 1/4''	4 7/16''	5/16''	120
3''	3 1/2''	3 1/2''	1 1/4''	5 1/8''	5/16''	160
3 1/2''	4''	3 3/4''	1 1/4''	5 3/4''	5/16''	200

NOTES:
5/16''-18 x 1 7/16'' Hex Bolt and 5/16''-18 Hex Nut are
included with each clamping hanger bought.

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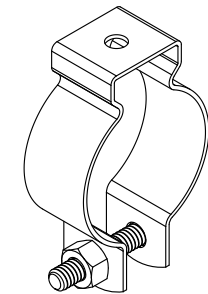
Date: 7/21/2020

GENLIGHT-2X
SERIES V1

SCALE: 1:2

Sheet 03:
Side Pole Mounting

1'' Pole Mounting

GenLight 2X Fixture

1'' Pole

SS Flat Washer

SS Hex Nut

SS Hex Screw

5/16''–18
Hex Nut

Clamping Hanger

5/16''–18
x 1 7/16'' Bolt

3 1/2'''' Pole Mounting

GenLight 2X Fixture

1'' Pole

SS Flat Washer

SS Hex Nut

SS Hex Screw

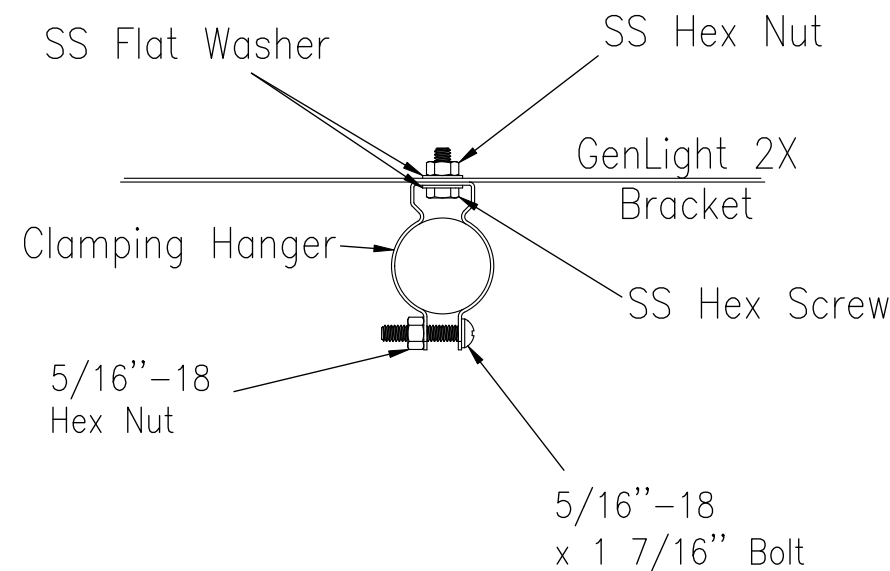5/16''–18
Hex Nut

Clamping Hanger

5/16''–18
x 1 7/16'' Bolt
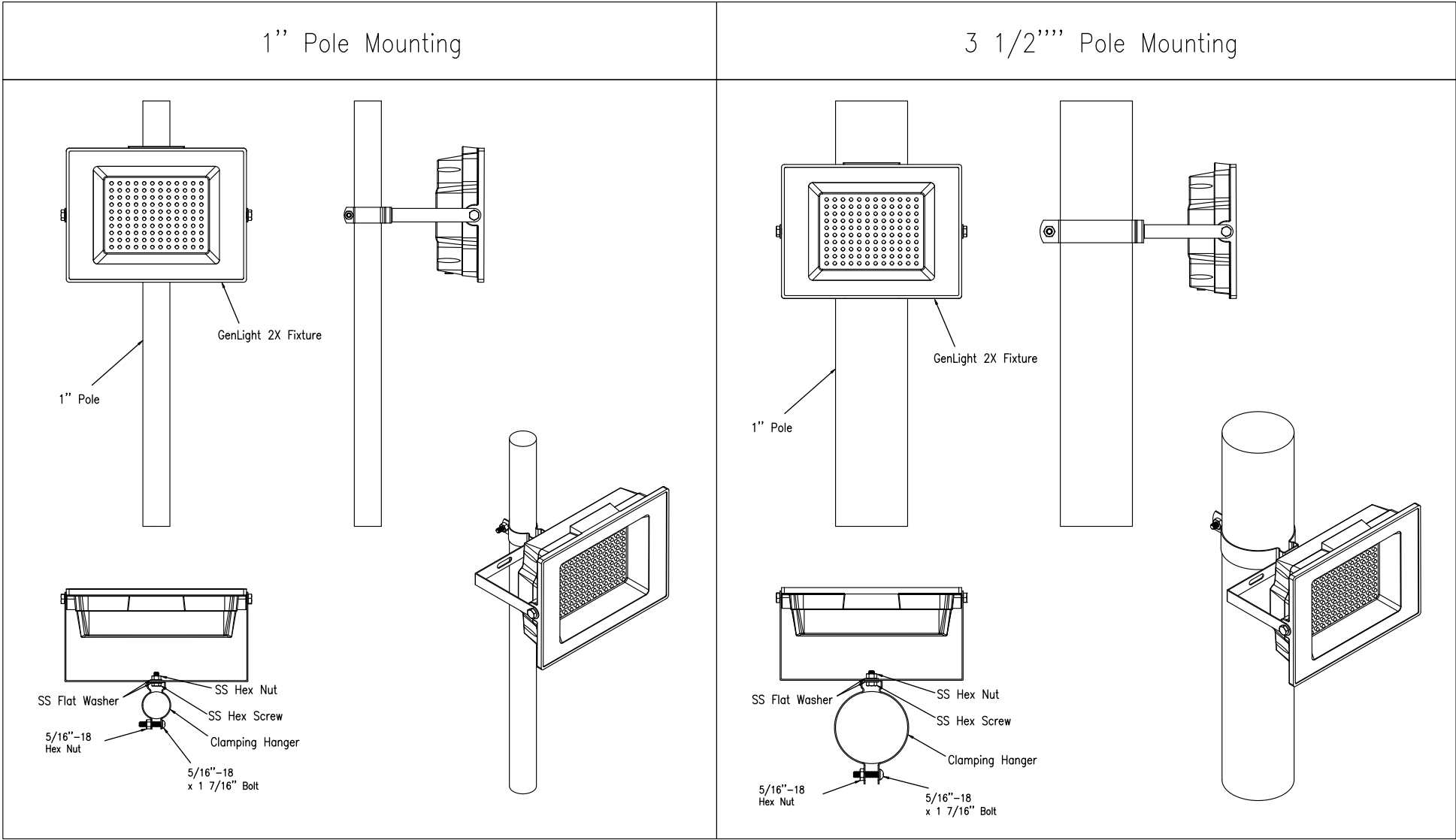
NOTES: SS Hex Nut, SS Hex Screw, SS Flat Washer sizes are dependent on the pole size and clamping hanger size.
For mounting kits sizes see Sheet 05

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Sheet 04:
Mounting Examples

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TABLE 501: GENLIGHT 2X SIDE POLE MOUNTING KITS

Pole Size	Name	SKU #	Components included	Amount
1"	GenLight 2X 1" Pole Mounting Kit	GenLight-2X-100IN-POLEKIT	1 1/2" Threaded Clamping Hanger	1
			1/4" – 20 SS Hex Screw	1
			1/4" – 20 Hex Nut	1
			1/4" Flat Washer	2
1 1/4"	GenLight 2X 1 1/4" Pole Mounting Kit	GenLight-2X-125IN-POLEKIT	1 3/4" Threaded Clamping Hanger	1
			1/4" – 20 SS Hex Screw	1
			1/4" – 20 Hex Nut	1
			1/4" Flat Washer	2
1 1/2"	GenLight 2X 1 1/2" Pole Mounting Kit	GenLight-2X-150IN-POLEKIT	1 7/8" Threaded Clamping Hanger	1
			5/16" – 18 SS Hex Screw	1
			5/16" – 18 Hex Nut	1
			5/16" Flat Washer	2
2"	GenLight 2X 2" Pole Mounting Kit	GenLight-2X-200IN-POLEKIT	2 3/8" Threaded Clamping Hanger	1
			5/16" – 18 SS Hex Screw	1
			5/16" – 18 Hex Nut	1
			5/16" Flat Washer	2
2 1/2"	GenLight 2X 2 1/2" Pole Mounting Kit	GenLight-2X-250IN-POLEKIT	2 7/8" Threaded Clamping Hanger	1
			5/16" – 18 SS Hex Screw	1
			5/16" – 18 Hex Nut	1
			5/16" Flat Washer	2
3"	GenLight 2X 3" Pole Mounting Kit	GenLight-2X-300IN-POLEKIT	3 1/2" Threaded Clamping Hanger	1
			5/16" – 18 SS Hex Screw	1
			5/16" – 18 Hex Nut	1
			5/16" Flat Washer	2
3 1/2"	GenLight 2X 3 1/2" Pole Mounting Kit	GenLight-2X-350IN-POLEKIT	4" Threaded Clamping Hanger	1
			5/16" – 18 SS Hex Screw	1
			5/16" – 18 Hex Nut	1
			5/16" Flat Washer	2

SS Flat Washer · SS Hex Nut · GenLight 2X Bracket · Clamping Hanger · SS Hex Screw · 5/16"-18 Hex Nut · 5/16"-18 x 1 7/16" Bolt

NOTES:
5/16"-18 x 1 7/16" Hex Bolt and 5/16"-18 Hex Nut for tightening the clamping hanger are included in each mounting kit.

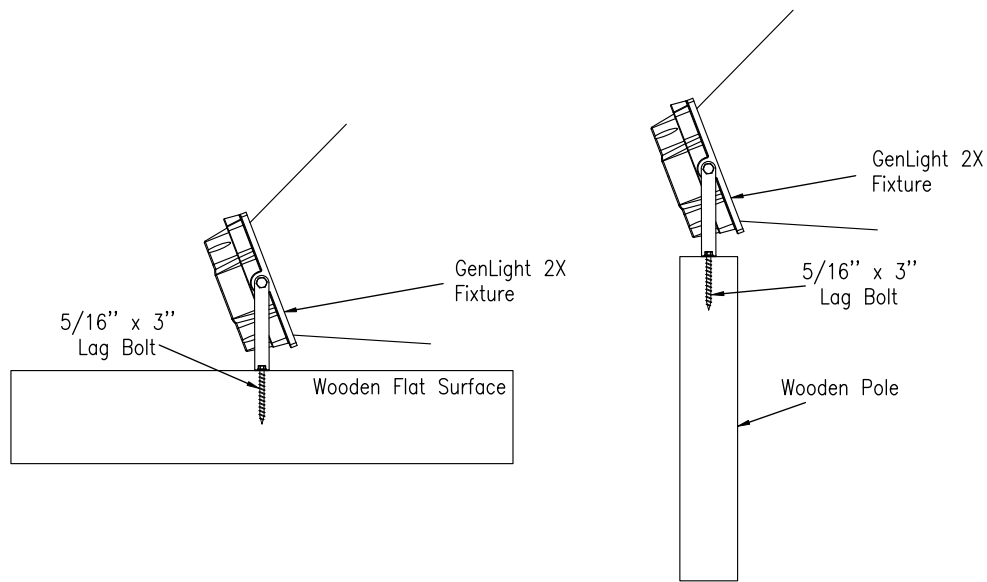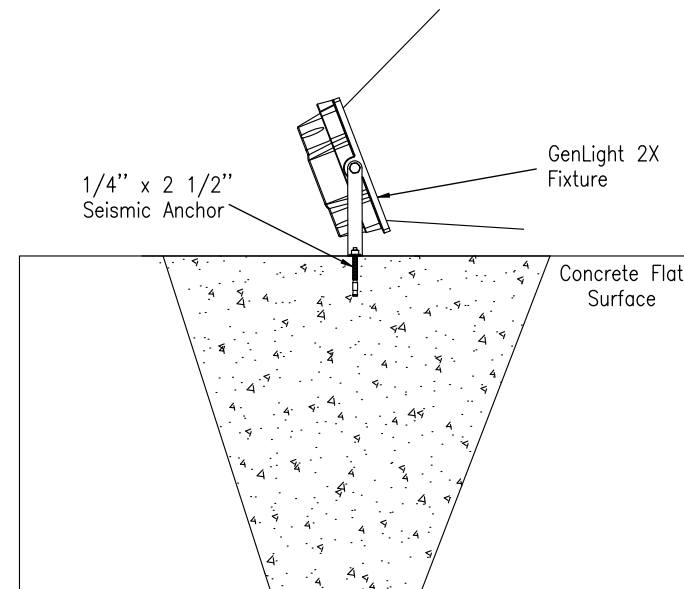GenLight 2X
Fixture

5/16" x 3"
Lag Bolt

GenLight 2X
Fixture

5/16" x 3"
Lag Bolt

Wooden Flat Surface

Wooden Pole

Wooden Flat Surface Mounting — Scale: 1:10

1/4" x 2 1/2"
Seismic Anchor

GenLight 2X
Fixture

Concrete Flat
Surface

Concrete Flat Surface Mounting — Scale: 1:10

Lag Bolt (detail)
Scale: 1:4

5/16" x 3"
Lag Bolt

5/16" Flat
Washer

$3"$

$\frac{5}{16}"$
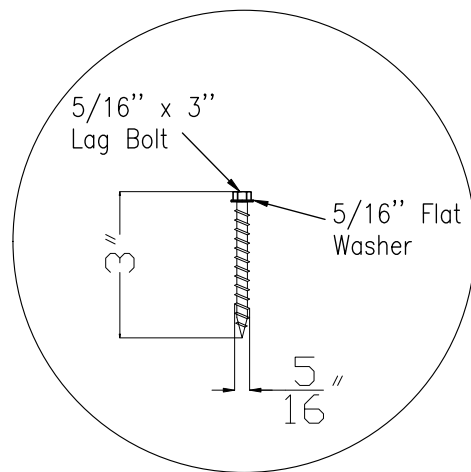
Seismic Anchor (detail)
Scale: 1:4

1/4" Flat
Washer

1/4" x 2 1/2"
Seismic Anchor

1/4" Hex
Nut

$\frac{1}{4}"$

$2\frac{1}{2}"$

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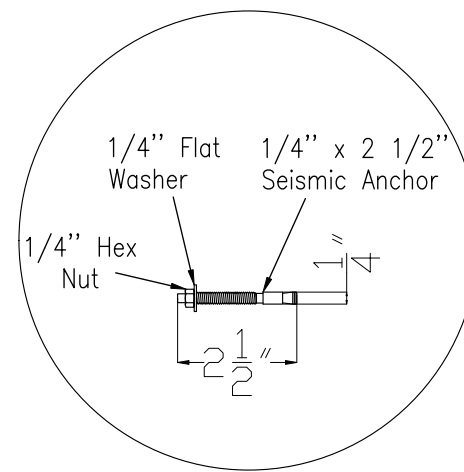
Date: 7/21/2020

GENLIGHT-2X
SERIES V1

SCALE: VAR

Sheet 06:
Flat Surface Mounting
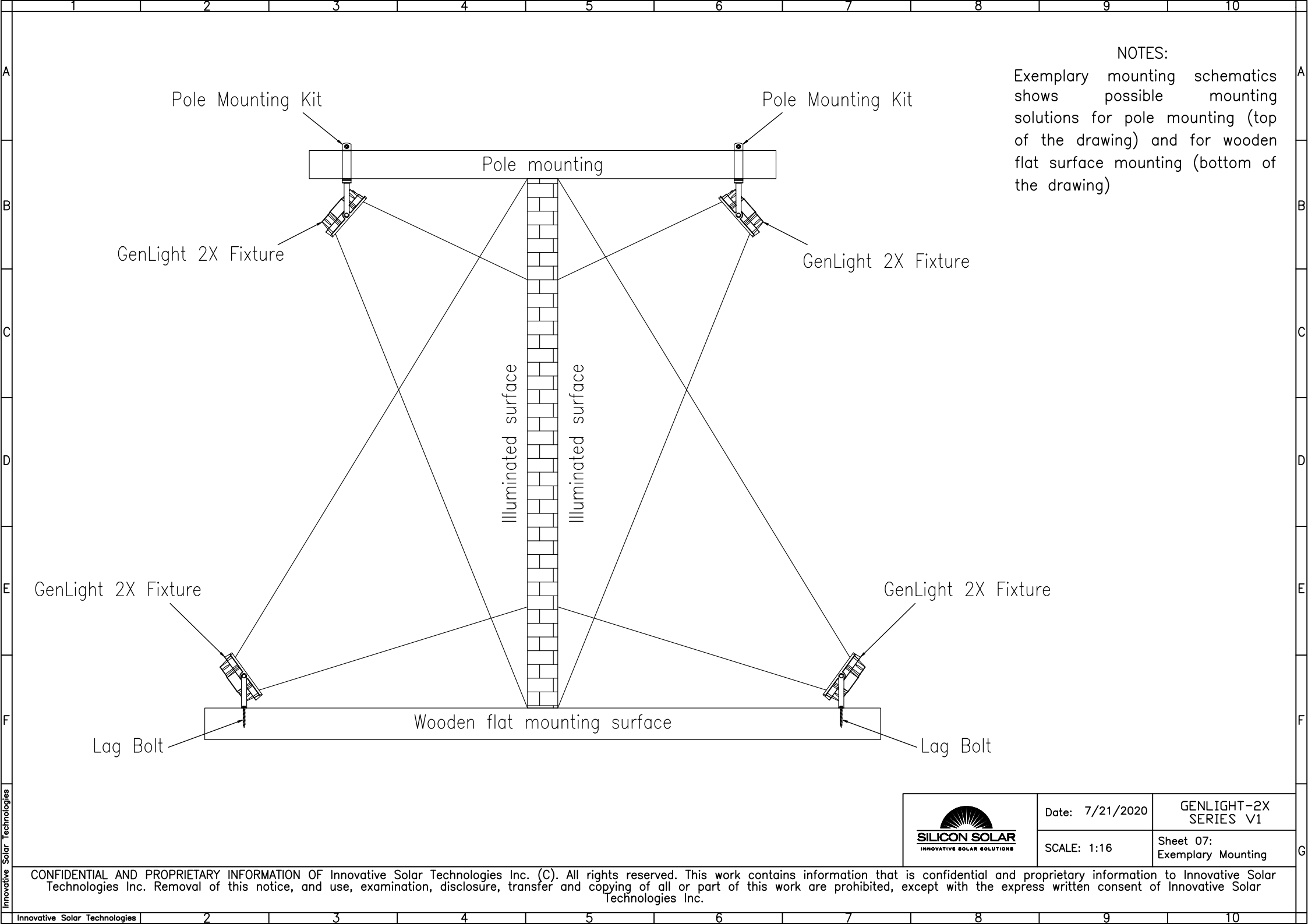
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Pole Mounting Kit

Pole Mounting Kit

Pole mounting

GenLight 2X Fixture

GenLight 2X Fixture

Illuminated surface

Illuminated surface

GenLight 2X Fixture

GenLight 2X Fixture

Wooden flat mounting surface

Lag Bolt

Lag Bolt

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GENLIGHT-2X
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SCALE: 1:16

Sheet 07:
Exemplary Mounting

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