

# **Solar Street Lights Installation manual**

# Component parts

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- 1.) 7M Pole system;
- 2.) Solar panels 120 W\*1PC & Panel Brackets;
- 3.) Lithium Battery 12.8V 70Ah;
- 4.) Intelligent Controller (in the battery) ;
- 5.) 50W LED Lamp & LED Housing;
- 6.) Fittings, etc

# Before Installation-Preparing

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- 1) Choosing the best direction for lamp in order to light more space.
- 2) The light must be installed in the site with best sunlight and without tree shade or building shade.
- 3) It must have good sunlight during 9:30am to 15:30pm.
- 4) It should keep distance from hot source, or its life will be shortened.
- 5) The solar panel should not be irradiated by other lighting in the evening, or it will not work because of receiving the wrong order.
- 6) There should have no other establishment (cable or conduit) underground the solar street lamp.

# Base Foundation Fixing the pre-buried parts

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- 1. Open foldable anchor bolts

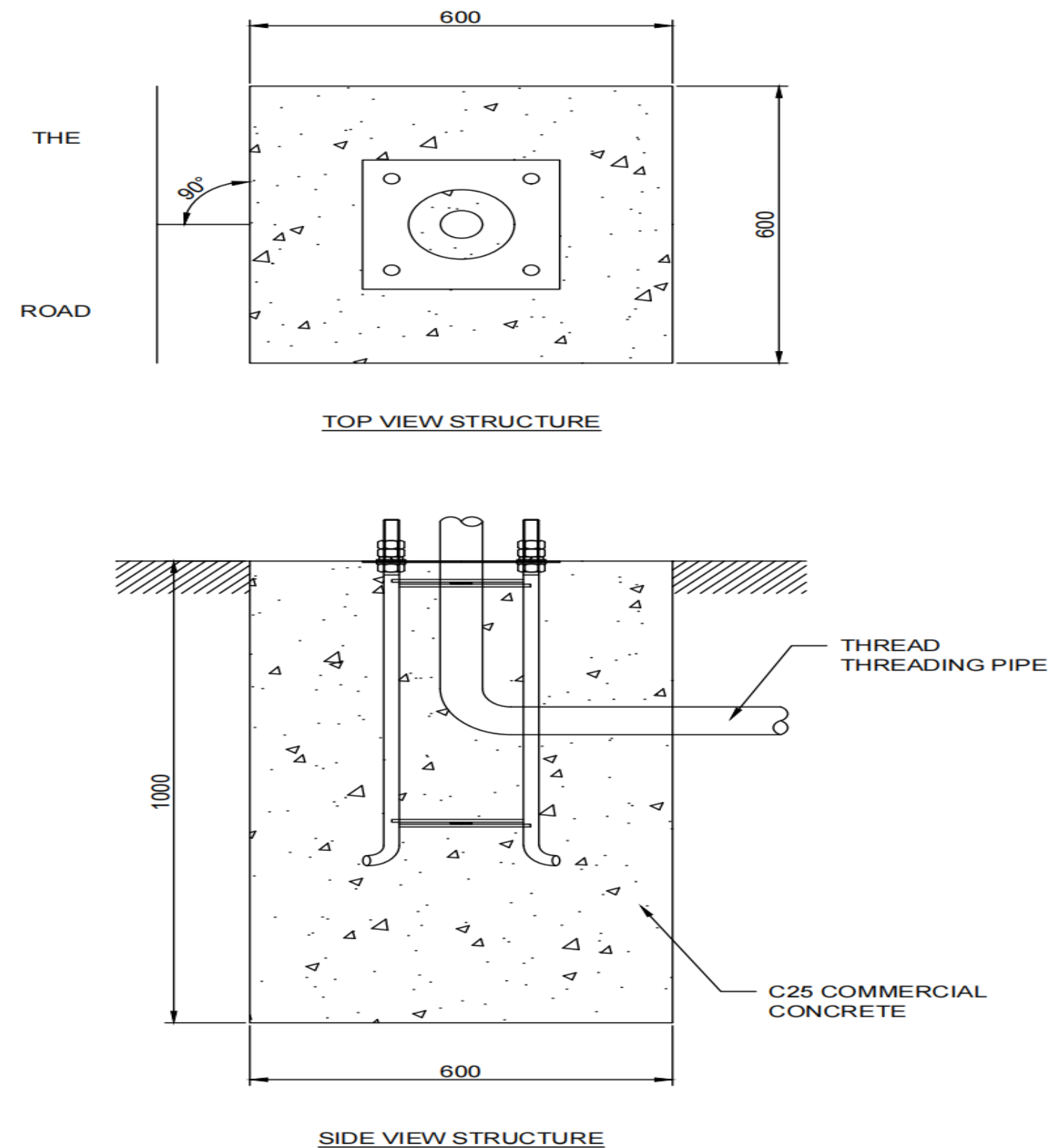


- 2. Pre-buried parts should be buried under the ground with concrete, please note should pack the bolts well with adhesive tape in case of stained cement



# Finished Base Foundation

- Dig the base foundation (Size), and put the pre-buried parts



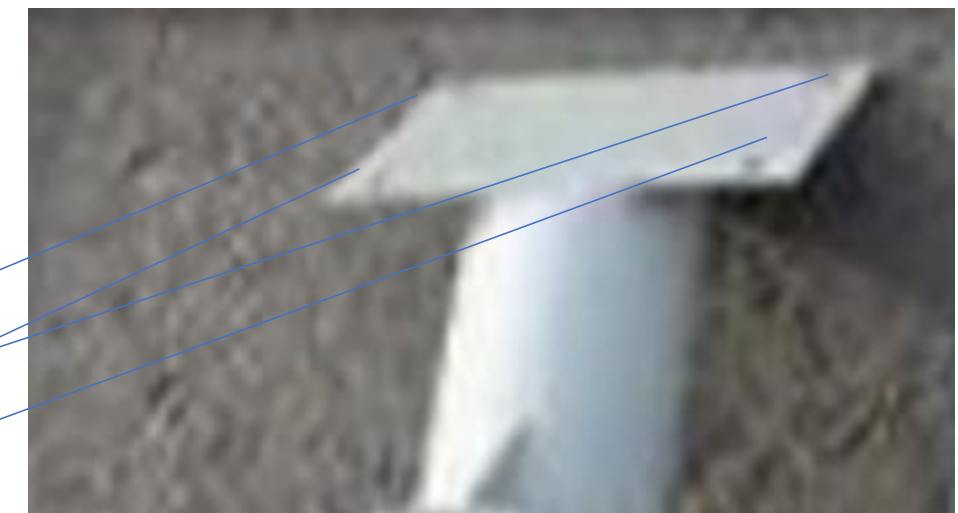
- Finished Base Foundation Picture



Bolts Size should be the same as Pole Flange Screws

# Battery and solar panel bracket installation

1. Solar panel installed on the bracket.
2. The top part of pole installation on solar panel bracket.





# Battery and solar panel bracket installation

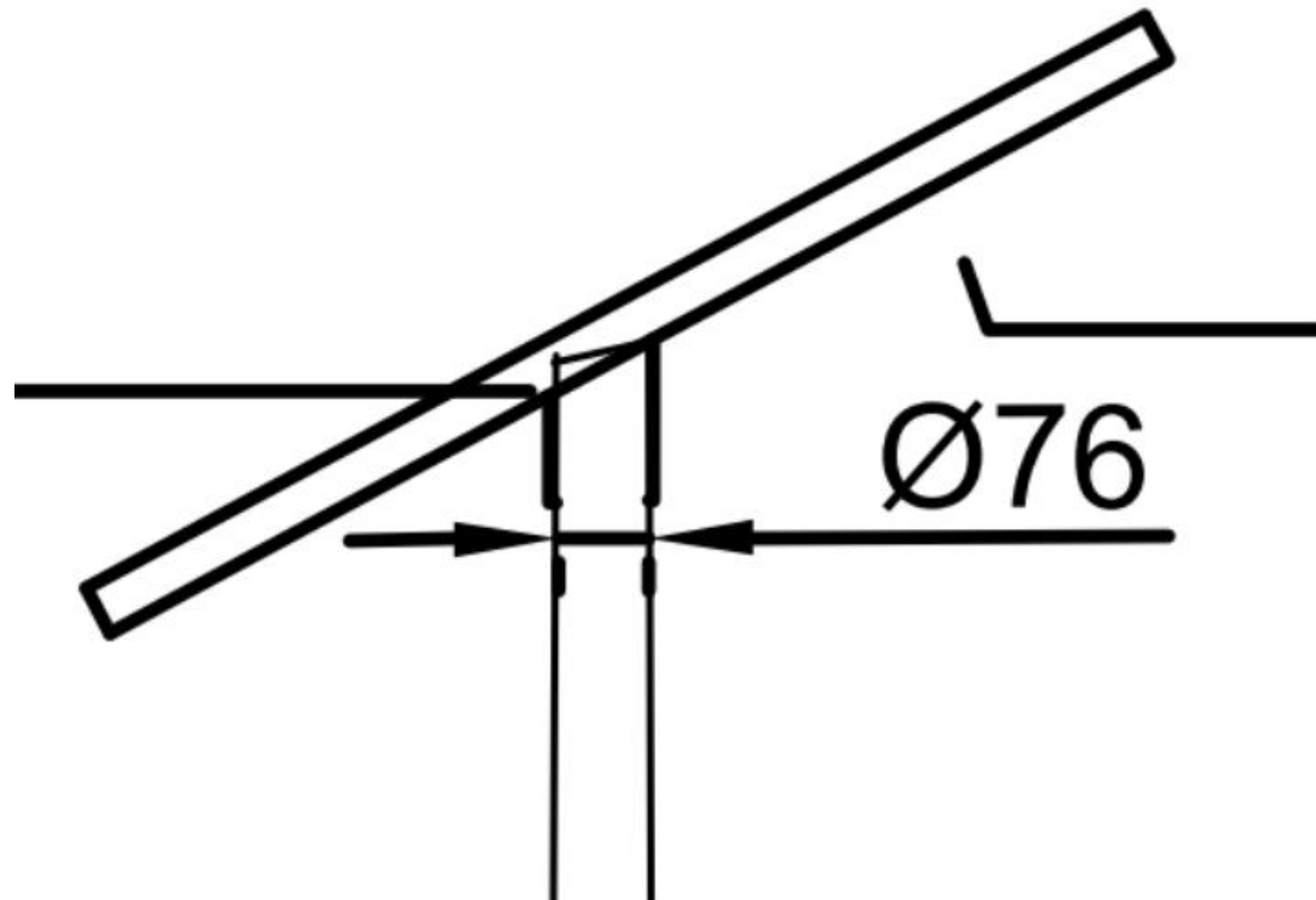
## 3. Battery installation.



The distance of two tabs can be adjusted based on solar panel bracket hole distance.

# Battery and solar panel bracket installation

4. The top solar panel bracket pole insert on the top of the pole





# Solar Stystem Connecting

**Step 1:** Testing for battery and light first. Connect light source cables to the light(+ to +/ -to -).



1st step

+ to +  
- to -





# Solar Stystem Connecting

**Step 2:** Connect with battery to check if the lamp is bright or not?



2nd step connect  
with battery.





# Solar Stystem Connecting

**Step 3: Connect the cables with solar panel after installation.**



3 steps to  
connect the solar  
panel for  
charging.





# Solar Stystem Connecting

**Step 4: Connect the cables with solar panel after installation.**



4 steps: Connect the cables with battery after installation.

3 steps to connect the solar panel for charging.



2nd step connect with battery.

1st step

+ to +  
- to -





# Road Installation Solution

- Two side installation and each pole distance 25-30 meters .

