

TECHNICAL DESCRIPTION

PROJECT: "Construction and Placement of Protection Bars for Lighting Pillars at Pier I of Container Terminal"



"Previous Project Sampling – Lighting Pillar No2 – Pier I – Container Terminal – PPA"

**PIRAEUS,
JULY 2022**

"Construction and Placement of four (4) Protection Bars for each of twelve (12) Lighting Pillars at Pier I of Container Terminal"



This Technical Description is referring to all tasks that required to protect all twelve (12) Lighting Pillars from crash by trucks. Fire boxes and fire - communication equipment placed next to the Electric Poles are often damaged by trucks in Pier I at Container Terminal. Protections bars that need to be installed around can protect and prevent for any kind of collision.

Furthermore, based on 2022/07/01 findings via "SAFETY INSPECTION REPORT – ITEM 5", Protection Bars for each of 12 Lighting Pillars at Pier I of Lighting Pillars proposed to take place.

TECHNICAL DETAILS

More specific, will take place tasks that are following:

1. Configuration of Metal Enclosure of Four Pipes $\Phi 200$, Height 2 meters. Placement of four (4) Metal Pipes, 2 meters high, 20 centimeters in diameter, 5 millimeters thickness, around the respective Lighting Pillar.
2. Drilling Holes in the floor for Placing Pipe Anchors in the position to be indicated.
3. Anchorage at the bottom of 4 rods $\Phi 40$. Anchors M18, 50 cm deep (epoxy resin filling).
4. Injection of Resin into the Holes and Placement of the 4 Pipes.
5. Injection of Concrete inside the Pipes. Concrete C20/25.
6. Coloring with Yellow Pipe Casing Color. Coloration with Yellow Pipe Casing Paint – Tapes.
7. Placement of Reflective Tapes at the height of the Pipes.
8. Total = 12 Lighting Pillars. 12 LP X 4 pcs = 48 Protection Bars.

3. GENERAL INFO

1. Every Candidate must visit and inspect the specific area regarding all Lighting Pillars taking the whole picture of the project.
2. Estimating Time(duration) to complete this project is one month for all tasks.
3. Compliance with “Security and Safety” considered as mandatory.

Summarizing, grand total for this project, is:

Grand Total = €0.000,00 + VAT