



## PÁTIO ORATÓRIO – MONORAIL MAINTENANCE YARD

BASIC DESIGN – STRUCTURAL ENGINEERING; FINAL/ DETAILED DESIGN – STRUCTURAL



**Client:** Metrô - Companhia do Metropolitano de São Paulo / CEML – Companhia do Expresso Monotrilho Leste; PLANSERVI – Engenharia, Ltda.

**Location:** Line 15 (Silver) of the São Paulo Metro Network, Brazil

**Design date:** 2012 - 2013

**Construction date:** 2014 - 2015

**Services:** Basic Design – Structural Engineering; Final/ Detailed Design – Structural

**Summary:**

Structural design of prestressed and reinforced concrete structures:

- Service galleries and technical galleries
- Block E – Warehouse (precast)
- Block F – Platform for the rail car wash plant
- Block F1 – Support for the rail car wash
- Block G1 – Portal 2 (Annex Yard entrance)
- Block H – Gas station
- Block K – Water reservoir (elevated)
- Block O1 – Rainwater retention system
- Block O2 – Reuse water reservoir (for washing and irrigation)
- Block O3 – Oil Water Separator

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