# Project Report: EEE

## Project Details

Name: EEE

Client Name: E

Capacity: E

### 1. Belt Conveyor

### Sec01: General Data

|  |  |
| --- | --- |
| Field | Value |
| Belt Length | 7000 |
| Belt Width | 800 |
| Drum Diameter | 250 |
| Friction | 0.3 |
| Velocity | 0.4 |
| Factor of Safety | 1.5 |
| Belt weight per meter | 15 |

### Sec02: Design Data

|  |  |
| --- | --- |
| Field | Value |
| Weight | 396.33 |
| Power | 539.14 |
| Speed | 0 |

### 2. Gritremoval

### Sec01: General Data

|  |  |
| --- | --- |
| Field | Value |
| N of Channels | 2 |
| Channel Width | 2.5 |
| Civil Width | 0.4 |
| Bridge Length | 6 |
| Wheel Diameter | 0.25 |
| Friction | 0.3 |
| Velocity | 0.05 |
| Safety Factor | 1.5 |

### Sec02: Design Data

|  |  |
| --- | --- |
| Field | Value |
| Weight Total (kg) | 1956.00 |
| Driving Power (kW) | 628.71 |
| Driving Motor Speed (rpm) | 3.82 |
| Weight steel | 1256.00 |
| Weight St.St | 700.00 |
| Lifting Power (kW) | 282.60 |