



Toase-eh Park Sanati Gohar Ofogh  
Petrochemical Co.  
**CONCEPTUAL, BASIC and DETAIL DESIGN  
ENGINEERING OF STYRENE PARK OFFSITE**



Document Title: Electrical Cable List

Document No.:

Rev. R0

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# STYRENE PARK OFFSITE

**Document Title:**  
**Electrical Cable List**

| Rev. | Issued Date | DESCRIPTION | PREPARED | CHECKED | APPROVED |
|------|-------------|-------------|----------|---------|----------|
| R0   | 18-08-2025  | IFI         | F.SH     | M.O     | A.M      |



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**REVISION RECORD SHEET**

| Page<br>Page | Revisions |    |    |    |    |    |    | Page | Revisions |    |    |    |    |    |    |
|--------------|-----------|----|----|----|----|----|----|------|-----------|----|----|----|----|----|----|
|              | R0        | R1 | R2 | R3 | R4 | R5 | R6 |      | R0        | R1 | R2 | R3 | R4 | R5 | R6 |
| 1            | X         |    |    |    |    |    |    | 41   |           |    |    |    |    |    |    |
| 2            | X         |    |    |    |    |    |    | 42   |           |    |    |    |    |    |    |
| 3            | X         |    |    |    |    |    |    | 43   |           |    |    |    |    |    |    |
| 4            |           |    |    |    |    |    |    | 44   |           |    |    |    |    |    |    |
| 5            |           |    |    |    |    |    |    | 45   |           |    |    |    |    |    |    |
| 6            |           |    |    |    |    |    |    | 46   |           |    |    |    |    |    |    |
| 7            |           |    |    |    |    |    |    | 47   |           |    |    |    |    |    |    |
| 8            |           |    |    |    |    |    |    | 48   |           |    |    |    |    |    |    |
| 9            |           |    |    |    |    |    |    | 49   |           |    |    |    |    |    |    |
| 10           |           |    |    |    |    |    |    | 50   |           |    |    |    |    |    |    |
| 11           |           |    |    |    |    |    |    | 51   |           |    |    |    |    |    |    |
| 12           |           |    |    |    |    |    |    | 52   |           |    |    |    |    |    |    |
| 13           |           |    |    |    |    |    |    | 53   |           |    |    |    |    |    |    |
| 14           |           |    |    |    |    |    |    | 54   |           |    |    |    |    |    |    |
| 15           |           |    |    |    |    |    |    | 55   |           |    |    |    |    |    |    |
| 16           |           |    |    |    |    |    |    | 56   |           |    |    |    |    |    |    |
| 17           |           |    |    |    |    |    |    | 57   |           |    |    |    |    |    |    |
| 18           |           |    |    |    |    |    |    | 58   |           |    |    |    |    |    |    |
| 19           |           |    |    |    |    |    |    | 59   |           |    |    |    |    |    |    |
| 20           |           |    |    |    |    |    |    | 60   |           |    |    |    |    |    |    |
| 21           |           |    |    |    |    |    |    | 61   |           |    |    |    |    |    |    |
| 22           |           |    |    |    |    |    |    | 62   |           |    |    |    |    |    |    |
| 23           |           |    |    |    |    |    |    | 63   |           |    |    |    |    |    |    |
| 24           |           |    |    |    |    |    |    | 64   |           |    |    |    |    |    |    |
| 25           |           |    |    |    |    |    |    | 65   |           |    |    |    |    |    |    |
| 26           |           |    |    |    |    |    |    | 66   |           |    |    |    |    |    |    |
| 27           |           |    |    |    |    |    |    | 67   |           |    |    |    |    |    |    |
| 28           |           |    |    |    |    |    |    | 68   |           |    |    |    |    |    |    |
| 29           |           |    |    |    |    |    |    | 69   |           |    |    |    |    |    |    |
| 30           |           |    |    |    |    |    |    | 70   |           |    |    |    |    |    |    |
| 31           |           |    |    |    |    |    |    | 71   |           |    |    |    |    |    |    |
| 32           |           |    |    |    |    |    |    | 72   |           |    |    |    |    |    |    |
| 33           |           |    |    |    |    |    |    | 73   |           |    |    |    |    |    |    |
| 34           |           |    |    |    |    |    |    | 74   |           |    |    |    |    |    |    |
| 35           |           |    |    |    |    |    |    | 75   |           |    |    |    |    |    |    |
| 36           |           |    |    |    |    |    |    | 76   |           |    |    |    |    |    |    |
| 37           |           |    |    |    |    |    |    | 77   |           |    |    |    |    |    |    |
| 38           |           |    |    |    |    |    |    | 78   |           |    |    |    |    |    |    |
| 39           |           |    |    |    |    |    |    | 79   |           |    |    |    |    |    |    |



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**COMPRESSOR RU 0001A/B**

| No | Service  | Tag No.      | Content of signal | Power (KW) | SIGNAL Type | IS/NIS | Cable type  | Cable size  | Gland size | Cable Tag.     | From      | To           | Length (Meter) | Remarks     |
|----|--|--------------|-------------------|------------|-------------|--------|-------------|-------------|------------|----------------|-----------|--------------|----------------|-------------|
| 1  | Power cable RU-0001A (Space heater Main motor) | RU0001A-M-01 | 230Vac/1ph        | 0.112      | PWR         | NIS    | By Customer | By Customer | M20        | RU0001A-M-01-H | MCC       | RU0001A-M-01 | By Customer    | By Customer |
| 2  | Power cable RU-0001A (Main motor)              | RU0001A-M-01 | 400Vac/3ph        | 120        | PWR         | NIS    | By Customer | By Customer | M63        | RU0001A-M-01   | MCC       | RU0001A-M-01 | By Customer    | By Customer |
| 3  | Power cable RU-0001A (oil Pump )               | RU0001A-M-04 | 400Vac/3ph        | 2.5        | PWR         | NIS    | By Customer | By Customer | M32        | RU0001A-M-04   | MCC       | RU0001A-M-04 | By Customer    | By Customer |
| 4  | Power cable RU-0001A (oil Heater)              | RU0001A-H-01 | 400Vac/3ph        | 2          | PWR         | NIS    | By Customer | By Customer | M32        | RU0001A-H-01   | MCC       | RU0001A-H-01 | By Customer    | By Customer |
| 5  | Power cable RU-0001A (Condenser 02)            | RU0001A-M-02 | 400Vac/3ph        | 7.5        | PWR         | NIS    | By Customer | By Customer | M32        | RU0001A-M-02   | MCC       | RU0001A-M-02 | By Customer    | By Customer |
| 6  | Power cable RU-0001A (Condenser 03)            | RU0001A-M-03 | 400Vac/3ph        | 7.5        | PWR         | NIS    | By Customer | By Customer | M32        | RU0001A-M-03   | MCC (VFD) | RU0001A-M-03 | By Customer    | By Customer |
| 7  | Power cable RU-0001B (Space heater Main motor) | RU0001B-M-01 | 230Vac/1ph        | 0.112      | PWR         | NIS    | By Customer | By Customer | M20        | RU0001B-M-01   | MCC       | RU0001B-M-01 | By Customer    | By Customer |
| 8  | Power cable RU-0001B (Main motor)              | RU0001B-M-01 | 400Vac/3ph        | 120        | PWR         | NIS    | By Customer | By Customer | M63        | RU0001B-M-01   | MCC       | RU0001B-M-01 | By Customer    | By Customer |
| 9  | Power cable RU-0001B (oil Pump )               | RU0001B-M-04 | 400Vac/3ph        | 2.5        | PWR         | NIS    | By Customer | By Customer | M32        | RU0001B-M-04   | MCC       | RU0001B-M-04 | By Customer    | By Customer |
| 10 | Power cable RU-0001B (oil Heater)              | RU0001B-H-01 | 400Vac/3ph        | 2          | PWR         | NIS    | By Customer | By Customer | 1 1/2 NPT  | RU0001B-H-01   | MCC       | RU0001B-H-01 | By Customer    | By Customer |
| 5  | Power cable RU-0001B (Condenser 02)            | RU0001B-M-02 | 400Vac/3ph        | 7.5        | PWR         | NIS    | By Customer | By Customer | M32        | RU0001B-M-02   | MCC       | RU0001B-M-02 | By Customer    | By Customer |
| 6  | Power cable RU-0001B (Condenser 03)            | RU0001B-M-03 | 400Vac/3ph        | 7.5        | PWR         | NIS    | By Customer | By Customer | M32        | RU0001B-M-03   | MCC (VFD) | RU0001B-M-03 | By Customer    | By Customer |