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|   |                |                |
| Název akce:   |                |                |
| Nová přípojka termální vody pro Aquacentrum Teplice |                |                |
| Stupeň PD:  |                |                |
| DOKUMENTACE PROVEDENÍ STAVBY                        |                |                |
| Název PS:   |                |                |
| PS 02 Měření a regulace, elektroinstalace           |                |                |
| Stavební objekt:                                    |                |                |
| SO Čerpací jímka Kamenné lázně                      |                |                |
| Zodpovědný projektant:                              | Vypracoval:    |                |
| Ing. Tomáš Bartl                                    | Růžička Martin |                |
| Název přílohy:                                      |                | Číslo přílohy: |
| Datové listy  |                | 002            |

|                    |                                  |  | — METASYS —        |                   |          |            |                   |              |               |                  |                   |                     |                 |                   |       |                    |  |
|--------------------|----------------------------------|--|--------------------|-------------------|----------|------------|-------------------|--------------|---------------|------------------|-------------------|---------------------|-----------------|-------------------|-------|--------------------|--|
| Technol.<br>system | Inf. bod<br>Short<br>Description | Popis<br>Description<br>Long           | Hardware<br>Object | Type of Controler | HW       | SW<br>Item | Type of<br>Signal | Range<br>Low | Range<br>High | Jednotky<br>Unit | State 0<br>(OPEN) | State 1<br>(CLOSED) | Normal<br>State | Alarm<br>Priority | Panel | Poznámka<br>Notice |  |
| HYDRO              | LT01                             | Hladina v akumulační jímce             | RMH1CGE10          | CGE09090          | IN-UN    | IN1        | 0-10V             | 0            | x             | cm               |                   |                     |                 |                   | RMH1  |                    |  |
| HYDRO              | TT01                             | Teplota vody čerpané do AQC TCE        | RMH1CGE10          | CGE09090          | IN-UN    | IN2        | Pt1000            | -40          | 120           | °C               |                   |                     |                 |                   | RMH1  |                    |  |
| HYDRO              | TT02                             | Teplota vody j jímce ČS-KL             | RMH1CGE10          | CGE09090          | IN-UN    | IN3        | Pt1000            | -40          | 120           | °C               |                   |                     |                 |                   | RMH1  |                    |  |
| HYDRO              | TT91                             | Teplota v technologické strojovně      | RMH1CGE10          | CGE09090          | IN-UN    | IN4        | Pt1000            | -40          | 120           | °C               |                   |                     |                 |                   | RMH1  |                    |  |
| HYDRO              | HT91                             | Rel. vlhkost v technologické strojovně | RMH1CGE10          | CGE09090          | IN-UN    | IN5        | rH                | 0            | 100           | %                |                   |                     |                 |                   | RMH1  |                    |  |
| HYDRO              | PT01                             | Tlak před filtrem MF1                  | RMH1CGE10          | CGE09090          | IN-UN    | IN6        | 4-20mA            | -1           | 8             | bar              |                   |                     |                 |                   | RMH1  |                    |  |
| HYDRO              | PT02                             | Tlak za filtrem MF1                    | RMH1CGE10          | CGE09090          | IN-UN    | IN7        | 4-20mA            | -1           | 8             | bar              |                   |                     |                 |                   | RMH1  |                    |  |
|                    |                                  |  |                    |                   |          |            |                   |              |               |                  |                   |                     |                 |                   |       |                    |  |
| HYDRO              | START                            | Zapnutí systému ČS-KL                  | RMH1CGE10          | CGE09090          | IN-BIN   | BI1        |                   |              |               |                  | vyp               | zap                 |                 |                   | RMH1  |                    |  |
| HYDRO              | KVIT                             | Kvitace poruchy                        | RMH1CGE10          | CGE09090          | IN-BIN   | BI2        |                   |              |               |                  | x                 | kvit                |                 |                   | RMH1  |                    |  |
|                    |                                  |  |                    |                   |          |            |                   |              |               |                  |                   |                     |                 |                   |       |                    |  |
| HYDRO              | MC1                              | Čerpadlo vody pro AQCTCE-řízení        | RMH1CGE10          | CGE09090          | OUT-AN   | AO1        | 0-10V             | 0            | max           |                  |                   |                     |                 |                   | RMH1  |                    |  |
|                    |                                  |  | RMH1CGE10          | CGE09090          | OUT-AN   | AO2        |                   |              |               |                  |                   |                     |                 |                   | RMH1  |                    |  |
|                    |                                  |  |                    |                   |          |            |                   |              |               |                  |                   |                     |                 |                   |       |                    |  |
| HYDRO              | V1                               | Ventil odtoku z Beethovenu             | RMH1CGE10          | CGE09090          | OUT-CONF | CO1        |                   |              |               |                  | zav               | otv                 |                 |                   | RMH1  |                    |  |
| HYDRO              | V2                               | Ventil odtoku do potoku Bystřice       | RMH1CGE10          | CGE09090          | OUT-CONF | CO2        |                   |              |               |                  | zav               | otv                 |                 |                   | RMH1  |                    |  |
| HYDRO              | V3                               | Ventil odtoku do potoku Bystřice       | RMH1CGE10          | CGE09090          | OUT-CONF | CO3        |                   |              |               |                  | zav               | otv                 |                 |                   | RMH1  |                    |  |
|                    |                                  |  | RMH1CGE10          | CGE09090          | OUT-CONF | CO4        |                   |              |               |                  |                   |                     |                 |                   | RMH1  |                    |  |
|                    |                                  |  |                    |                   |          |            |                   |              |               |                  |                   |                     |                 |                   |       |                    |  |
| HYDRO              | MC1                              | Čerpadlo vody pro AQCTCE-zapni         | RMH1CGE10          | CGE09090          | OUT-BO   | BO1        |                   |              |               |                  | vyp               | zap                 |                 |                   | RMH1  |                    |  |
| HYDRO              | MC2                              | Čerpadlo vody do Bystřice-zapni        | RMH1CGE10          | CGE09090          | OUT-BO   | BO2        |                   |              |               |                  | vyp               | zap                 |                 |                   | RMH1  |                    |  |
|                    |                                  |  | RMH1CGE10          | CGE09090          | OUT-BO   | BO3        |                   |              |               |                  |                   |                     |                 |                   | RMH1  |                    |  |
|                    |                                  |  |                    |                   |          |            |                   |              |               |                  |                   |                     |                 |                   |       |                    |  |

|                    |                                  |                                  | — METASYS —        |                      |          |         |                   |              |               |                  |                   |                     |                 |                   |       |                    |  |
|--------------------|----------------------------------|----------------------------------|--------------------|----------------------|----------|---------|-------------------|--------------|---------------|------------------|-------------------|---------------------|-----------------|-------------------|-------|--------------------|--|
| Technol.<br>system | Inf. bod<br>Short<br>Description | Popis<br>Description<br>Long     | Hardware<br>Object | Type of<br>Controler | HW       | SW Item | Type of<br>Signal | Range<br>Low | Range<br>High | JednotkyU<br>nit | State 0<br>(OPEN) | State 1<br>(CLOSED) | Normal<br>State | Alarm<br>Priority | Panel | Poznámka<br>Notice |  |
| HYDRO              | HAVTL                            | Havarijní odstavení tlačítkem    | RMH1IOM11          | XPM09090             | IN-UN    | IN1     |                   |              |               |                  | alarm             | normal              |                 |                   | RME   |                    |  |
| HYDRO              | LAL01                            | Minimální hladina jímky          | RMH1IOM11          | XPM09090             | IN-UN    | IN2     |                   |              |               |                  | normal            | alarm               |                 |                   | RME   |                    |  |
| HYDRO              | LAH01                            | Maximální hladina jímky          | RMH1IOM11          | XPM09090             | IN-UN    | IN3     |                   |              |               |                  | normal            | alarm               |                 |                   | RME   |                    |  |
| HYDRO              | M11_O                            | Odvětrání strojovny_strop-chod   | RMH1IOM11          | XPM09090             | IN-UN    | IN4     |                   |              |               |                  | stop              | chod                |                 |                   | RME   |                    |  |
| HYDRO              | M11_A                            | Odvětrání strojovny_strop-aut    | RMH1IOM11          | XPM09090             | IN-UN    | IN5     |                   |              |               |                  | ruč               | aut                 |                 |                   | RME   |                    |  |
| HYDRO              | M12_O                            | Odvětrání strojovny_podlaha-chod | RMH1IOM11          | XPM09090             | IN-UN    | IN6     |                   |              |               |                  | stop              | chod                |                 |                   | RME   |                    |  |
| HYDRO              | M12_A                            | Odvětrání strojovny_podlaha-aut  | RMH1IOM11          | XPM09090             | IN-UN    | IN7     |                   |              |               |                  | ruč               | aut                 |                 |                   | RME   |                    |  |
|                    |                                  |                                  |                    |                      |          |         |                   |              |               |                  |                   |                     |                 |                   |       |                    |  |
| HYDRO              | FA_I                             | Výpadek jističů                  | RMH1IOM11          | XPM09090             | IN-BIN   | BI1     |                   |              |               |                  | normal            | alarm               |                 |                   | RME   |                    |  |
| HYDRO              | LAH91                            | Zaplavení odb. šachty Beethoven  | RMH1IOM11          | XPM09090             | IN-BIN   | BI2     |                   |              |               |                  | normal            | alarm               |                 |                   | RME   |                    |  |
|                    |                                  |                                  |                    |                      |          |         |                   |              |               |                  |                   |                     |                 |                   |       |                    |  |
|                    |                                  |                                  | RMH1IOM11          | XPM09090             | OUT-AN   | AO1     |                   |              |               |                  |                   |                     |                 |                   | RME   |                    |  |
|                    |                                  |                                  | RMH1IOM11          | XPM09090             | OUT-AN   | AO2     |                   |              |               |                  |                   |                     |                 |                   | RME   |                    |  |
|                    |                                  |                                  |                    |                      |          |         |                   |              |               |                  |                   |                     |                 |                   |       |                    |  |
|                    |                                  |                                  | RMH1IOM11          | XPM09090             | OUT-CONF | CO1     |                   |              |               |                  |                   |                     |                 |                   | RME   |                    |  |
|                    |                                  |                                  | RMH1IOM11          | XPM09090             | OUT-CONF | CO2     |                   |              |               |                  |                   |                     |                 |                   | RME   |                    |  |
|                    |                                  |                                  | RMH1IOM11          | XPM09090             | OUT-CONF | CO3     |                   |              |               |                  |                   |                     |                 |                   | RME   |                    |  |
|                    |                                  |                                  | RMH1IOM11          | XPM09090             | OUT-CONF | CO4     |                   |              |               |                  |                   |                     |                 |                   | RME   |                    |  |
|                    |                                  |                                  |                    |                      |          |         |                   |              |               |                  |                   |                     |                 |                   |       |                    |  |
| HYDRO              | M11                              | Odvětrání strojovny - strop      | RMH1IOM11          | XPM09090             | OUT-BO   | BO1     |                   |              |               |                  | vyp               | zap                 |                 |                   | RME   |                    |  |
| HYDRO              | M12                              | Odvětrání strojovny - podlaha    | RMH1IOM11          | XPM09090             | OUT-BO   | BO2     |                   |              |               |                  | vyp               | zap                 |                 |                   | RME   |                    |  |
| HYDRO              | SUMAL                            | Sumární porucha - signalizace    | RMH1IOM11          | XPM09090             | OUT-BO   | BO3     |                   |              |               |                  | normal            | alarm               |                 |                   | RME   |                    |  |
|                    |                                  |                                  |                    |                      |          |         |                   |              |               |                  |                   |                     |                 |                   |       |                    |  |

|                 |                            |   | — METASYS —     |                   |      |         |                |           |            |              |                |                  |              |                |       |                 |  |
|-----------------|----------------------------|---|-----------------|-------------------|------|---------|----------------|-----------|------------|--------------|----------------|------------------|--------------|----------------|-------|-----------------|--|
| Technol. system | Inf. bod Short Description | Popis Long Description                    | Hardware Object | Type of Controler | HW   | SW Item | Type of Signal | Range Low | Range High | JednotkyUnit | State 0 (OPEN) | State 1 (CLOSED) | Normal State | Alarm Priority | Panel | Poznámka Notice |  |
| HYDRO           | V1_O                       | Ventil odtoku z Beethovenu-otevřeno       | RMH1IOM12       | XPM18000          | IN1  | IN-BIN  |                |           |            |              | x              | otv              |              |                | RME   |                 |  |
| HYDRO           | V1_C                       | Ventil odtoku z Beethovenu-zavřeno        | RMH1IOM12       | XPM18000          | IN2  | IN-BIN  |                |           |            |              | x              | zav              |              |                | RME   |                 |  |
| HYDRO           | V1_A                       | Ventil odtoku z Beethovenu-aut            | RMH1IOM12       | XPM18000          | IN3  | IN-BIN  |                |           |            |              | ruč            | aut              |              |                | RME   |                 |  |
| HYDRO           | V1_F                       | Ventil odtoku z Beethovenu-porucha        | RMH1IOM12       | XPM18000          | IN4  | IN-BIN  |                |           |            |              | alarm          | normal           |              |                | RME   |                 |  |
| HYDRO           | V2_O                       | Ventil odtoku do potoku Bystřice-otevřeno | RMH1IOM12       | XPM18000          | IN5  | IN-BIN  |                |           |            |              | x              | otv              |              |                | RME   |                 |  |
| HYDRO           | V2_C                       | Ventil odtoku do potoku Bystřice-zavřeno  | RMH1IOM12       | XPM18000          | IN6  | IN-BIN  |                |           |            |              | x              | zav              |              |                | RME   |                 |  |
| HYDRO           | V2_A                       | Ventil odtoku do potoku Bystřice-aut      | RMH1IOM12       | XPM18000          | IN7  | IN-BIN  |                |           |            |              | ruč            | aut              |              |                | RME   |                 |  |
| HYDRO           | V2_F                       | Ventil odtoku do potoku Bystřice-porucha  | RMH1IOM12       | XPM18000          | IN8  | IN-BIN  |                |           |            |              | alarm          | normal           |              |                | RME   |                 |  |
| HYDRO           | V3_O                       | Ventil odtoku do potoku Bystřice-otevřeno | RMH1IOM12       | XPM18000          | IN9  | IN-BIN  |                |           |            |              | x              | otv              |              |                | RME   |                 |  |
| HYDRO           | V3_C                       | Ventil odtoku do potoku Bystřice-zavřeno  | RMH1IOM12       | XPM18000          | IN10 | IN-BIN  |                |           |            |              | x              | zav              |              |                | RME   |                 |  |
| HYDRO           | V3_A                       | Ventil odtoku do potoku Bystřice-aut      | RMH1IOM12       | XPM18000          | IN11 | IN-BIN  |                |           |            |              | ruč            | aut              |              |                | RME   |                 |  |
| HYDRO           | V3_F                       | Ventil odtoku do potoku Bystřice-porucha  | RMH1IOM12       | XPM18000          | IN12 | IN-BIN  |                |           |            |              | alarm          | normal           |              |                | RME   |                 |  |
| HYDRO           | MČ1_O                      | Čerpadlo vody pro AQCTCE-chod             | RMH1IOM12       | XPM18000          | IN13 | IN-BIN  |                |           |            |              | stop           | chod             |              |                | RME   |                 |  |
| HYDRO           | MČ1_A                      | Čerpadlo vody pro AQCTCE-aut              | RMH1IOM12       | XPM18000          | IN14 | IN-BIN  |                |           |            |              | ruč            | aut              |              |                | RME   |                 |  |
| HYDRO           | MČ2_O                      | Čerpadlo vody do Bystřice-chod            | RMH1IOM12       | XPM18000          | IN15 | IN-BIN  |                |           |            |              | stop           | chod             |              |                | RME   |                 |  |
| HYDRO           | MČ2_A                      | Čerpadlo vody do Bystřice-aut             | RMH1IOM12       | XPM18000          | IN16 | IN-BIN  |                |           |            |              | ruč            | aut              |              |                | RME   |                 |  |
| HYDRO           | QH01                       | Vodoměr - voda do AQC TCE                 | RMH1IOM12       | XPM18000          | IN17 | IN-BIN  | impuls         | 0         | x          | m3           |                |                  |              |                | RME   |                 |  |
| HYDRO           | QH01_E                     | Vodoměr - voda do AQC TCE_porucha         | RMH1IOM12       | XPM18000          | IN18 | IN-BIN  |                |           |            |              | alarm          | normal           |              |                | RME   |                 |  |
|                 |                            |   |                 |                   |      |         |                |           |            |              |                |                  |              |                |       |                 |  |