



MOTOR CONTROL CENTER MCC-P47
FRONT ELEVATION
NOT TO SCALE

MCC AND CONTROL PANELS SHALL FIT FLUSH, SIDE TO SIDE, WITH NO PROTRUDING BOLT HEADS ETC AND WITH FRONTS IN LINE

| MCC-P47 NAMEPLATE SCHEDULE | |
|----------------------------|---|
| ITEM | NAMEPLATE ENGRAVING |
| 1A | MAIN BREAKER SERVICE NO. 1 (PS47-1A) |
| 1B | MAIN BREAKER SERVICE NO. 2 (PS47-1B) |
| 1C | SERVICE NO. 1 GRD FAULT RELAY (PS47-1C) |
| 1D | SERVICE NO. 2 GRD FAULT RELAY (PS47-1D) |
| 2A | ELECTRIC SERVICE METERING (PS47-2A) |
| 2B | AUTOMATIC TRANSFER SWITCH |
| 3A | MAIN FLOW PUMP NO. 1 (PS47-3A) |
| 3B | EXHAUST FAN EF-1 (PS47-3B) |
| 3C | SPACE |
| 4A | MAIN FLOW PUMP NO. 2 (PS47-4A) |
| 4B | EXHAUST FAN EF-2 (PS47-4B) |
| 4C | SPACE |
| 5A | MAIN FLOW PUMP NO. 3 (PS47-5A) |
| 5B | SUPPLY FAN SF-1 (PS47-5B) |
| 5C | SPACE (PS47-5C) |
| 6A | LOW FLOW PUMP NO. 4 (PS47-6A) |
| 6B | SUPPLY FAN SF-2 (PS47-6B) |
| 6C | SPACE (PS47-6C) |
| 7A | SLIDE GATE NO. 1 (PS47-7A) |
| 7B | SLIDE GATE NO. 2 (PS47-7B) |
| 7C | SPACE (PS47-7C) |
| 7D | SPACE (PS47-7D) |
| 7E | HOIST PUMP ROOM (PS47-7E) |
| 7F | UNIT HEATER UH-2 (PS47-7F) |
| 7G | UNIT HEATER UH-1 (PS47-7G) |
| 7H | UNIT HEATER UH-3 (PS47-7H) |
| 7I | UNIT HEATER UH-4 (PS47-7I) |
| 7J | SPACE (PS47-7J) |
| 7K | SPACE (PS47-7K) |
| 7L | SPACE (PS47-7L) |
| 8A | LIGHTING TRANSFORMER T47-1 AND PANEL LP-P47 (PS47-8A) |

| MOTOR STARTER AND REMOTE NAMEPLATE SCHEDULE | |
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| ITEM | NAMEPLATE ENGRAVING |
| *A | MAIN FLOW PUMP NO. 1 DISCONNECT |
| B | MANUAL OPERATION |
| C | PUMP OFF |
| D | PUMP RUNNING |
| E | MANUAL START |
| F | MOTOR JOG |
| G | MANUAL STOP |
| H | NUMBERS OF STARTS |
| I | ELAPSED TIME RUN |
| J | MANUAL-OFF-AUTO |
| K | PUMP CALL |
| L | TIMED RUN TIMER |
| M | TIMED START |
| N | AMPERE METER |
| *O | MAIN FLOW PUMP NO. 1 LOCAL |
| P | SUMP PUMP |
| **Q | SLIDE GATE FULLY CLOSED |
| **R | SLIDE GATE FULLY OPEN |
| S | OPEN |
| T | STOP |
| U | CLOSE |
| **V | SLIDE GATE OPERATING |
| W | MOTOR MOISTURE/TEMPERATURE DETECTOR |
| X | MOTOR HIGH MOISTURE |
| Y | BEARING HIGH TEMPERATURE |
| Z | RESET |
| ***AA | S-1 ON |
| **AB | SLIDE GATE NO.1 LOCAL |
| ***AC | EF-1 DISCONNECT |
| AD | OVERLOAD TRIP |
| ***AE | S-1 LOCAL |
| ***AF | OFF |
| *AG | BY-PASS ON |
| *AH | BYPASS |
| *AI | LOCAL-OFF-REMOTE |

| MOTOR STARTER, GATE BREAKER DOORS AND REMOTE DEVICE LEGEND | | |
|--|---------------------------------|--------------|
| ITEM | DEVICE DESIGNATION | DEVICE COLOR |
| 1 | MOTOR CIRCUIT PROTECTION | - |
| 2 | INDICATING LIGHT | YELLOW |
| 3 | INDICATING LIGHT | RED |
| 4 | INDICATING LIGHT | GREEN |
| 5 | PUSHBUTTON | BLACK |
| 6 | PUSHBUTTON | BLACK |
| 7 | PUSHBUTTON | RED |
| 8 | ELECTROMECHANICAL COUNTER | BLACK |
| 9 | NONRESETABLE ELAPSED TIME METER | BLACK |
| 10 | 3 POSITION SELECTOR SWITCH | BLACK |
| 11 | RESET TIMER (0 TO 30 MINUTE) | BLACK |
| 12 | PUSHBUTTON | BLACK |
| 13 | AMMETER | BLACK |
| 14 | AMMETER SWITCH (4 POSITION) | BLACK |
| 15 | CIRCUIT BREAKER | - |
| 16 | 2 POSITION SELECTOR SWITCH | BLACK |

* DESIGNATION TO CORRESPOND TO ACTUAL PUMP DESIGNATION
 ** DESIGNATION TO CORRESPOND TO SLIDE GATES SG-1, SG-2 OR RPV-1.
 *** DESIGNATION TO CORRESPOND TO ACTUAL FAN DESIGNATION

NOTES:

- ALL NAMEPLATES SHALL BE CENTERED ABOVE DEVICES AND SIZED AS REQUIRED. THE NAMEPLATES SHALL BE ATTACHED WITH BRASS OR STAINLESS STEEL SCREWS. NAMEPLATES SHALL BE WHITE WITH BLACK LETTERS IN CONFORMANCE WITH DIVISION 26 OF THE SPECIFICATIONS. NAMEPLATES LIST SHALL BE APPROVED BY THE ENGINEER BEFORE INSTALLATION. PROVIDE NAMEPLATES AS SHOWN ON THE LEGENDS AND/OR DIRECTED BY THE ENGINEER.
- DIMENSIONED DRAWINGS SHOWING ALL CUTOUT SIZES AND LOCATIONS ON PANEL MOUNTED EQUIPMENT, SHALL BE SUBMITTED FOR APPROVAL BEFORE CONSTRUCTION.
- THE MOTOR CONTROL CENTER LAYOUT SHALL GENERALLY CONFORM TO THE LAYOUT SHOWN ON THE CONTRACT DRAWINGS. INSTALL ALL SWITCHES AND CIRCUIT BREAKERS, SO THAT THE CENTER OF THE GRIP WILL NOT BE MORE THAN 6'-6" A.F.F., WITH THE MOTOR CONTROL CENTER ON A 4" CONCRETE PAD.
- THE RIGHT END OF THE MCC MUST BE SMOOTH TO ALLOW FLUSH MOUNTING OF THE CONTROL PANEL.

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