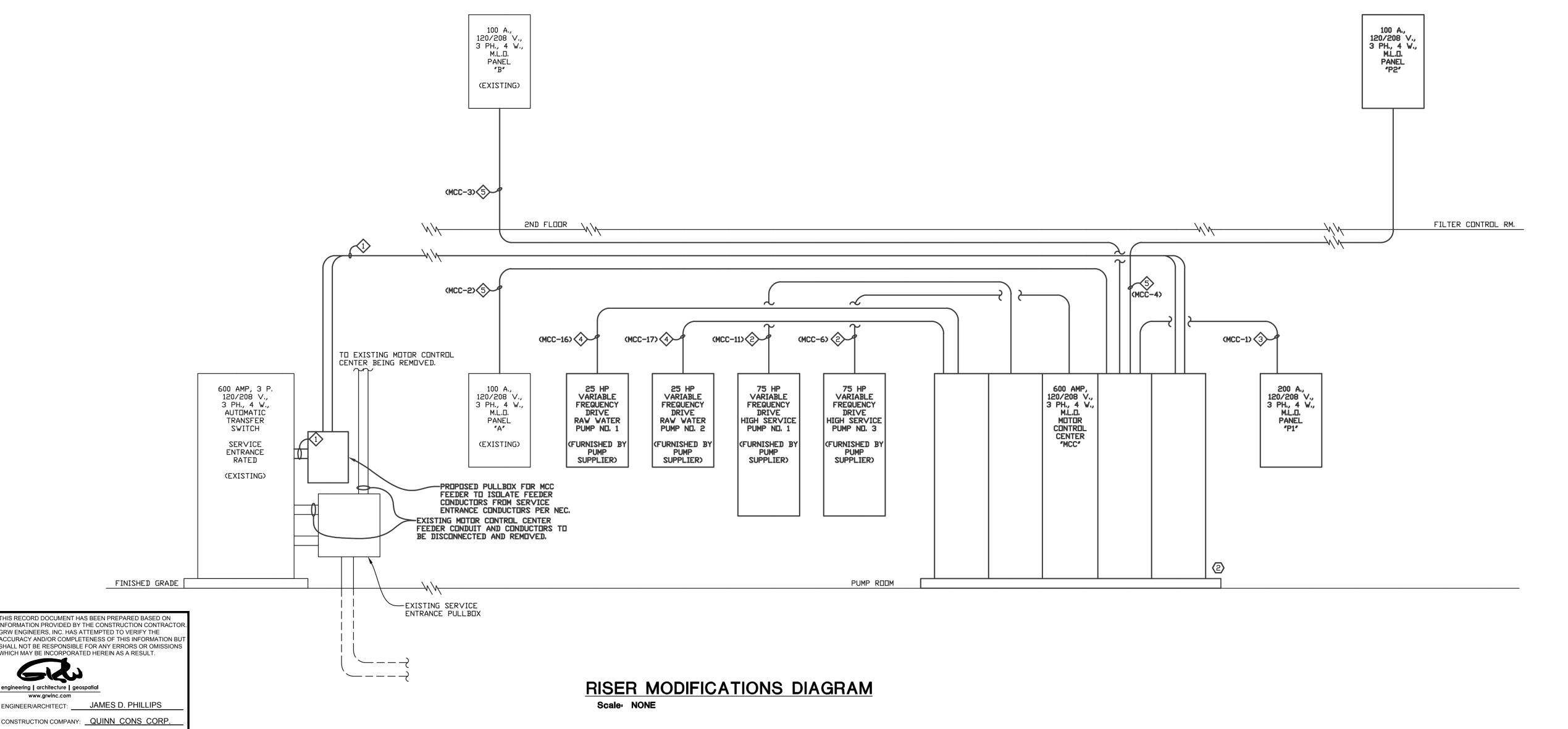
WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

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| TYPE: | | | | | | | | | | | | | | | BUS | BUS AMPACITY: 100 A. | | | | | |
|----------------------------------|--|-----|------|--------|-------|--------------------------------|------------|--------|-----------|------|-----------|----------|---------|----------------------|--|----------------------|----------|------|-----------|-----|-----|
| SERVICE: 120/208 V., 3 PH., 4 W. | | | | | | l., 4 V. | PANEL_"P2" | | | | | | | | MA] | M.L.D. | | | | | |
| PDLES:3 | | | | | | | | | | | | | | NFI | NEUTRAL:F | | | | ULL | | |
| | | | | | | * UNLESS OTHERWISE NOTED, SIZE | | | | | | | | | | | | 22.0 | nn(1) | | |
| | | | | | | | | | | | | | | | | [NG: <u>22,000(1</u> | | | | | |
| | SURFACE FLUSH CUMDUITS PER NEC. BASE UN TYPE THHN. NEMA 1 NE | | | | | | | | | | | | | | NE I | IA 3 | <u> </u> | | | | |
| CH | CKT, KVA | | | 틹 | | Ι. | | | МГ | | | 1.5 | | N I A N | мг | | Į | СВ | CKT. KVA | | |
| фА | у фв фс | | TRIP | * S | WIRE | L | LOAD NAME | | | | LOAD NAME | | IL. | WIRE | * S | TRIP | фА | фВ | фС | | |
| 0.5 | _ | | 20/1 | 3/4 | #12 | FILTER | ROOM | LTS. | , | 1 | 2 | A.C. REC | PT. | | : | #10 | 3/4 | 20/2 | 0.8 | | |
| | 0.4 | _ | | | | FILTER | | | TS. | 3 | | A.C. REC | | | | #10 | | | | 0.8 | _ |
| | | 0.5 | 20/1 | 3/4 | #12 | FILTER | ROOM | RECP | TS. | 5 | 6 | FILTER | 3 CONSI | JLE | | #10 | 3/4 | 30/1 | | | 1.5 |
| 0.4 | | | 20/1 | 3/4 | #12 | VALVE | PIT F | RECPTS | S. | 7 | 8 | FILTER | 4 CONSI | JLE | | | | 30/1 | | | |
| | 0.2 | _ | | | | FLOW C | | | | 9 | 10 | TURBIDI' | TY CHAR | RT RE | CORDER | | | 20/1 | | 0.2 | — |
| _ | | 0.2 | 20/1 | 3/4 | #12 | FILTER | 3 TUI | RBIDIM | IETER | 11 | 12 | FILTER | 4 TURB | [DIME] | TER | | | 20/1 | | _ | 0.2 |
| 0.2 | _ | | | | | | | | T VALVE | 13 | 14 | FILTER | 4 INFLU | JENT | VALVE | | | 20/1 | | | _ |
| | 0.2 | | | | | | | | VALVE | - | | FILTER | | Access to the second | 70 TO 100 | | | 20/1 | | 0.2 | _ |
| | | 0.2 | | | | | | | | | | FILTER | | | | | | 20/1 | | | 0.2 |
| 0.2 | | | | | | FILTER | | | | | | FILTER | | | | | | 20/1 | | | |
| | 0.2 | | | | | | | | | | | FILTER 4 | | | | | | 20/1 | | 0.2 | _ |
| | | 0.2 | | | | | 3 SURF | ACE W | ASH VALVE | | | FILTER 4 | SURFAC | E WAS | SH VALVE | #12 | 3/4 | 20/1 | | | 0,2 |
| | | | 20/1 | | | SPARE | | | | | | SPARE | | | : | <u> </u> | | 20/1 | | | |
| | | | 20/1 | \Box | | SPARE | | | | | _ | SPARE | | | | | | 20/1 | | | _ |
| | | | 20/1 | Ш | | SPARE | | | | | | SPARE | | | | | | 20/1 | | | |
| | | | 20/1 | \Box | | SPARE | | | | | | SPARE | | | | | | 20/1 | | | |
| _ | | | 20/1 | | | SPARE | | | | | | SPARE | | | | | | 20/1 | _ | | _ |
| _ | _ | | 20/1 | | | SPARE | | | | - | | SPARE | | | | | | 20/1 | _ | | |
| | | | 20/1 | | | SPARE | | | | | | SPARE | | | | | | 20/1 | | | _ |
| | | _ | 20/1 | | | SPARE | | | | | | SPARE | | | | | | 20/1 | | | _ |
| _ | _ | | 20/1 | | | SPARE | | | | 41 | 42 | SPARE | | | | | | 20/1 | | _ | |
| 1.3 | 1.0 | 1.1 | то | ITAL | CON | NECTED | KVA:_ | 9. | 6 | | | | | | | | | | 2.7 | 1.4 | 2.1 |
| | NUTE | (1) | | חב נ | רזפרו | ITT DDE | VED I | DCKI | NE WECHAN | TCMS | ٠ ۸٠ | S DEUITD | בח | | | | | | | | |

NOTE: (1) PROVIDE CIRCUIT BREAKER LOCKING MECHANISMS AS REQUIRED. (2) PROVIDE SWITCHING DUTY CIRCUIT BREAKERS AS REQUIRED. (3) PROVIDE H.I.D. RATED CIRCUIT BREAKERS AS REQUIRED. (4) PROVIDE GFCI PROTECTED CIRCUIT BREAKERS AS REQUIRED. (5) PROVIDE HACR RATED CIRCUIT BREAKERS AS REQUIRED. (6) PROVIDE SHUNT TRIP CIRCUIT BREAKERS AS REQUIRED.



NOTES: 1 THE EXACT AIC RATING OF THE MOTOR CONTROL CENTER AND PANELBUARDS. SHALL BE COURDINATED WITH POWER SYSTEM'S AVAILABLE FAULT CURRENT

AND ADJUSTED ACCORDINGLY. 2 PROVIDE 4" HIGH CONCRETE PADS FOR ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT AND ANCHOR ALL ELECTRICAL PANELS & EQUIPMENT TO WALLS.

(3) ALL ELECTRICAL INSTALLATIONS SHALL CONFORM TO SEISMIC INSTALLATION STANDARDS PER THE 2006 INTERNATIONAL BUILDING CODE AND ALL STATE AND LOCAL CODES.

4 ALL ELECTRICAL INSTALLATIONS SHALL CONFORM TO THE 2008 NATIONAL ELECTRICAL CODE, 2006 INTERNATIONAL BUILDING CODE AND ALL STATE AND LOCAL CODES.

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14047E-6-601

This document, originally issued, sealed, and signed by JAMES D. PHILLIPS, Tennessee Professional Engineer, No. 016308, on JUNE 2015, shall not be used in lieu of a certified document.

PANEL SCHEDULES TRICAL

JUNE 2015 AS SHOWN