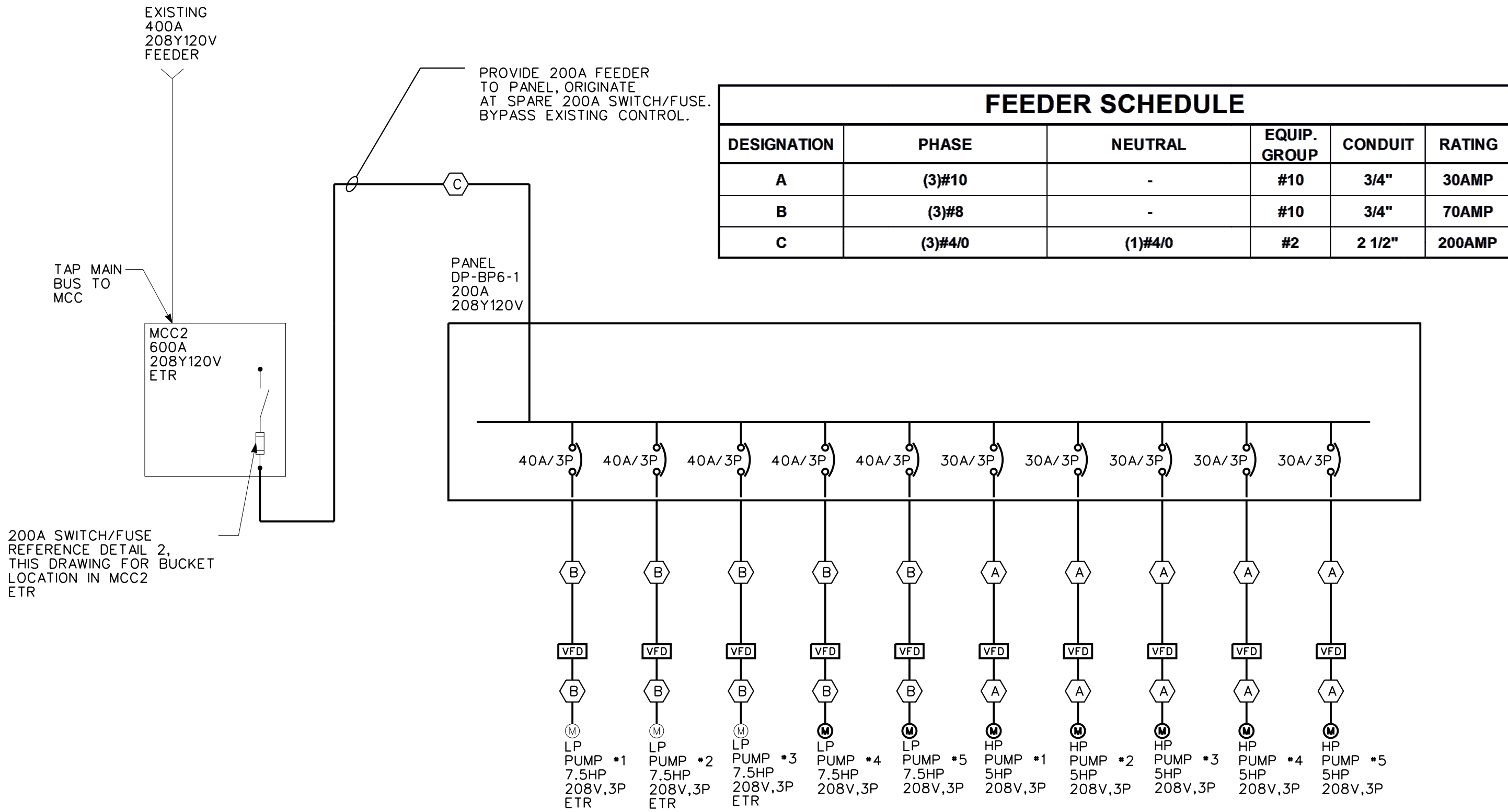


| SYMBOLS LIST | |
|--------------|---|
| | WALL MOUNTED TELEPHONE OUTLET |
| | SMOKE DETECTOR |
| | SINGLE POLE SWITCH |
| | 1x4' LUMINAIRE (DESIGNATION REFERS TO LUMINAIRE SCHEDULE) |
| | INDICATES NEW DEVICE OR EQUIPMENT |
| | INDICATES EXISTING DEVICE OR EQUIPMENT |
| | INDICATES EXISTING DEVICE OR EQUIPMENT TO BE REMOVED |
| | REFERENCE TO FEEDER SCHEDULE |
| | DUPLEX RECEPTACLE |
| | JUNCTION BOX |
| | JUNCTION BOX |
| | EXISTING PANELBOARD |
| | 208Y/120 OR 240/120 VOLT BRANCH CIRCUIT PANELBOARD, REFER TO PANELBOARD SCHEDULES |
| | MOTOR CONNECTION, DESIGNATION REFERS TO ELECTRIC EQUIPMENT CONTROL SCHEDULE |
| | VARIABLE FREQUENCY DRIVE, DESIGNATION REFERS TO ELECTRIC EQUIPMENT AND CONTROL SCHEDULE |

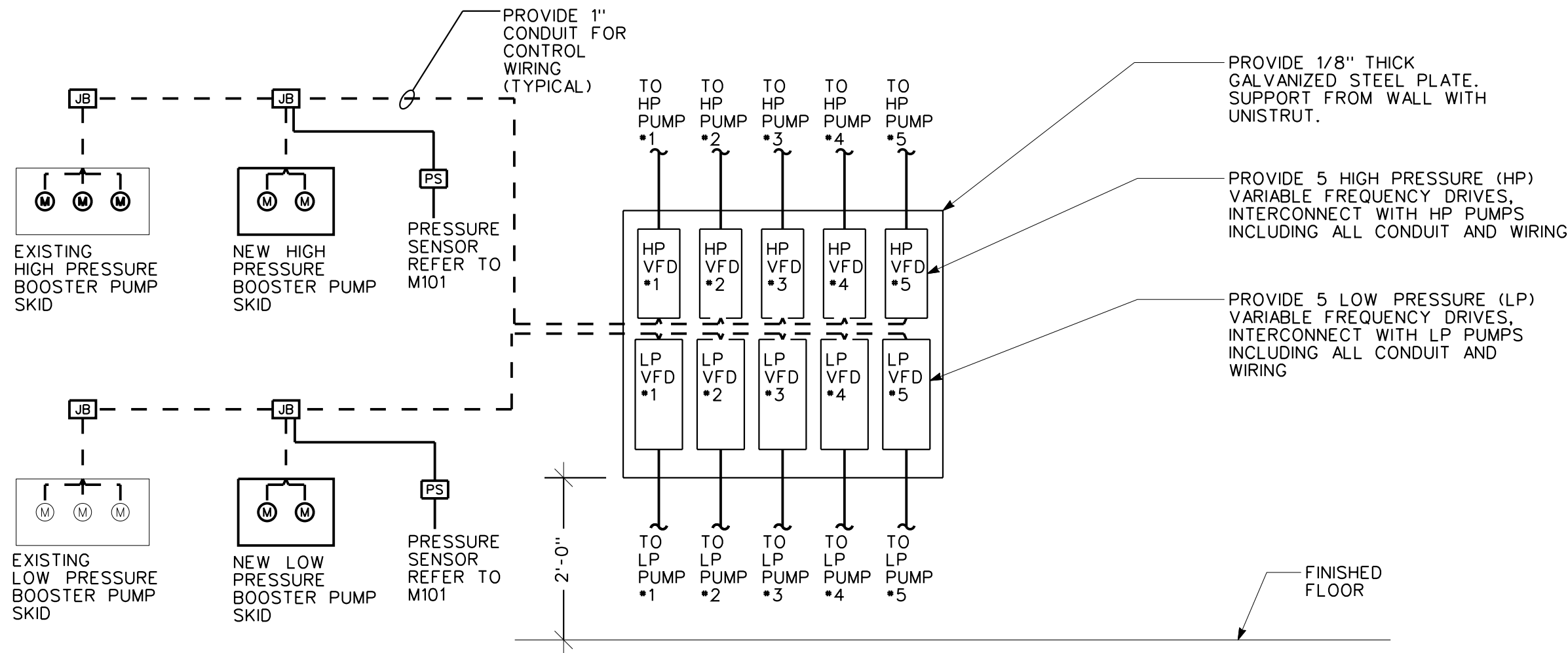
| PANELBOARD SCHEDULE | | | | | | | | | | | | NOTES: | |
|----------------------|----------------------|---------|--------------------------------------|-------|---|----------|---|----------|---|-------------|-----------|-----------------------|----|
| | | | SER RATED <input type="checkbox"/> | | COMPUTER GRADE <input type="checkbox"/> | | FEED-THRU LUGS <input type="checkbox"/> | | SUB-FEED BREAKER <input type="checkbox"/> | | NEMA TYPE | | |
| | | | HINGED TRIM <input type="checkbox"/> | | 200% NEUTRAL <input type="checkbox"/> | | SUB FEED LUGS <input type="checkbox"/> | | ISOLATED GND BUS <input type="checkbox"/> | | | | |
| NAME | LOCATION | SOURCE | RATING (AMPS) | | PHASE/ WIRE | | VOLTAGE | MOUNTING | KAIC | MODEL | | | |
| DP-BP6-1 | MECH RM | MCC2 | MCB | MLO | 3Ø / 4W | | 208Y120V | SURFACE | 10 | NQOD | | 1 | |
| CKT NO. | DESCRIPTION | BREAKER | KVA LOAD | | | KVA LOAD | | | BREAKER | DESCRIPTION | CKT NO. | | |
| 1 | LOW PRESSURE PUMP #1 | 40A/3P | LTG | RCPT | MOTOR | HTG | HTG | MOTOR | RCPT | LTG | 30A/3P | HIGH PRESSURE PUMP #1 | 2 |
| 3 | | | | | 11.2 | | | | 7.8 | | | | 4 |
| 5 | | | | | | | | | | | | | 6 |
| 7 | | | | | | | | | | | | | 8 |
| 9 | LOW PRESSURE PUMP #2 | 40A/3P | | | 11.2 | | | | | | 30A/3P | HIGH PRESSURE PUMP #2 | 10 |
| 11 | | | | | | | | | | | | | 12 |
| 13 | LOW PRESSURE PUMP #3 | 40A/3P | | | 11.2 | | | | | | 30A/3P | HIGH PRESSURE PUMP #3 | 14 |
| 15 | | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | | | | | 18 |
| 19 | LOW PRESSURE PUMP #4 | 40A/3P | | | 11.2 | | | | | | 30A/3P | HIGH PRESSURE PUMP #4 | 20 |
| 21 | | | | | | | | | | | | | 22 |
| 23 | | | | | | | | | | | | | 24 |
| 25 | LOW PRESSURE PUMP #5 | 40A/3P | | | 11.2 | | | | | | 30A/3P | HIGH PRESSURE PUMP #5 | 26 |
| 27 | | | | | | | | | | | | | 28 |
| 29 | | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | | 34 |
| 35 | SPACE | | | | | | | | | | | SPACE | 36 |
| 37 | | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | | 40 |
| 41 | SPACE | | | | | | | | | | | SPACE | 42 |
| LEFT SIDE SUB-TOTAL | | | 0.0 | 0 | 56 | 0 | 0 | 39 | 0 | 0 | | | |
| RIGHT SIDE SUB-TOTAL | | | 0 | 0 | 39 | 0 | | | | | | | |
| CONNECTED SUB-TOTAL | | | 0 | 0 | 95 | 0 | | | | | | | |
| DEMAND FACTOR | | | 1 | 10+.5 | 0.8 | 0.8 | | | | | | | |
| SUB-TOTAL | | | 0 | 0 | 76 | 0 | | | | | | | |
| TOTAL KVA: | | | 76 | | | | | | | | | | |
| TOTAL AMPS: | | | 211.2 | | | | | | | | | | |



PARTIAL ONE-LINE DIAGRAM 1
NO SCALE

| | | | |
|-------------------------------|--------------------------------|------------------------|-----------------------------|
| MCC2 600A 208Y120V ETR | | | |
| | | | ELEVATORS ETR |
| INCOMING LINE ETR | | | LAUNDRY ETR INCINERATOR ETR |
| LOW PRESSURE SKID 200A/3P ETR | PANEL DP-BP6-1 200A 208Y120V ① | | |
| SUMP PUMP #2 ETR | | | SPACE ETR |
| | | | SPACE ETR |
| PANEL LP-1 ETR | | | SUMP PUMP #1 ETR |
| | SPARE ETR | | SPACE ETR |
| | | HIGH PRESSURE SKID ETR | |

DRAWING NOTES:
① UTILIZE EXISTING SPARE BUCKET IN MCC2 FOR CONNECTION OF PANEL DP-BP6-1.



VARIABLE FREQUENCY DRIVES ELEVATION 3
NO SCALE

EXISTING MOTOR CONTROL CENTER (MCC2) 2
NO SCALE

| | | | | | | | | | | | | | | | | | |
|----------------------------|--|------------------|--|--|----------------------|------|---------------------|----------------|---|-----------------------------------|-------------------------------------|------|--|--------------|-------------|--|--|
| ISSUE FOR BID Revisions | | 03/27/13 Date | VA WESTERN NEW YORK HEALTHCARE SYSTEM 3495 BAILEY AVENUE BUFFALO, NEW YORK 14215 | | CLINICAL ENGINEERING | DATE | ENGINEERING MANAGER | DATE | Drawing Title ELECTRICAL DETAILS AND SCHEDULES | | Project Title BOOSTER PUMP VFD'S | | Date MARCH 27, 2013 | | | | |
| | | | | | INFECTION CONTROL | DATE | CARELINE MANAGER | DATE | | | Building Number 1 | | Checked JFW | Drawn JTR | | | |
| | | | | | | | | | MEDICAL CENTER DIRECTOR | | DATE | | | | | | |
| | | | | | SAFETY OFFICER | | DATE | CHIEF OF STAFF | DATE | ASSOCIATE MEDICAL CENTER DIRECTOR | | DATE | Location V.A.M.C. BUFFALO, NEW YORK | | 08-116-E500 | | |