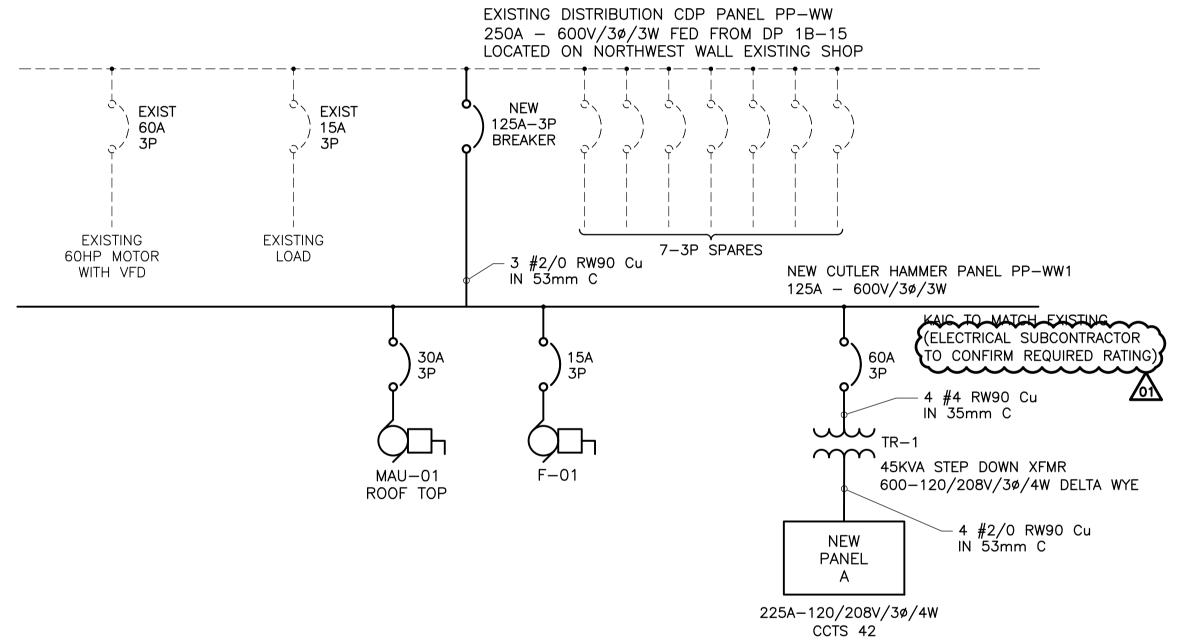
| | | LOCATION: SOUTH-WEST WALL EXIST. SHOP MOUNTING: SURFACE | | | | | | | | | | |
|------------------------|--------------|---|---------------|---------|-------|-----|---------|-----------------------|---------------|--------------|--|--|
| 120/208 VOLT, 3 PHASE, | 4 WIRE | | 2. | 25 AM | P MAI | NS | | | POWER: NORMAL | | | |
| DESCRIPTION | BREAKER | CCT | Α | В | С | CCT | BREAKER | AKER LOAD (W) DESCRIF | | | | |
| MECH ALARMS PNL | 300 | 15A-1P | 1 | | | | 2 | 20A-1P | 500 | GENERAL RECS | | |
| HEAT TRACE MUA-1 | 100 | 15A-1P | 3 | | | | 4 | 20A-1P | 500 | GENERAL RECS | | |
| UH-1 | 70 | 15A-1P | 5 | | | | 6 | 20A-1P | 500 | GENERAL RECS | | |
| UH-2 | 70 | 15A-1P | 7 | | | | 8 | 20A-1P | 500 | GENERAL RECS | | |
| ROOF MAINT. REC | 250 | 15A-1P | 9 | | | | 10 | 20A-1P | 500 | DOOR OPENER | | |
| ROOF MAINT. REC | 250 | 15A-1P | 11 | | | | 12 | 20A-1P | 500 | DOOR OPENER | | |
| | | 20A-3P | 13 | | | | 14 | 20A-1P | 1440 | LIGHTING | | |
| F-02 | 720 | | 15 | | | | 16 | 20A-1P | 1440 | LIGHTING | | |
| | | | 17 | | | | 18 | 20A-1P | 1440 | LIGHTING | | |
| | 360 | | 19 | | | | 20 | 20A-1P | 1440 | LIGHTING | | |
| P-1A | | 15A-3P | 21 | | | | 22 | 20A-1P | 1440 | NIGHT LIGHTS | | |
| | | | 23 | | | | 24 | 20A-1P | 24 | EXIT SIGNS | | |
| | | 15A-3P | 25 | | | | 26 | 15A-1P | 72 | EMT LTG. | | |
| P-1B | 360 | | 27 | | | | 28 | 20A-1P | | GENERAL RECS | | |
| | | | 29 | | | | 30 | 20A-1P | | GENERAL RECS | | |
| | 860 | 30A-3P | 31 | | | | 32 | | | | | |
| WELDER | | | 33 | | | | 34 | | | | | |
| | | | 35 | | | | 36 | | | | | |
| | | | 37 | | | | 38 | | | | | |
| WELDER | 860 | 30A-3P | 39 | | | | 40 | | | | | |
| ~~~~~~~~~~ | | ~~~~ | 41 | | | | 42 | | | | | |
| HEAT TRACE ROOF DRAINS | 100 | 15A-1P | 43 |) | | | 44 | | | | | |
| | | | 45 | | | | 46 | | | | | |
| <u>/01\</u> | | | 47 | | | | 48 | | | | | |
| | | | 49 | | | | 50 | | | | | |
| | | | 51 | | | | 52 | | | | | |
| | | | 53 | | | | 54 | | | | | |
| | | | 55 | | | | 56 | | | | | |
| | | | 57 | | | | 58 | | | | | |
| | | | 59 | | | | 60 | | | | | |
| | | | | | | | | | | | | |

| | | | NEW | PANI | EL PF | P-WW | 1 | | | : MAINT. GARAGE G: SURFACE | |
|----------------|----------|--------------------------------|---------------|------|-------|------|----|--------|--------------------|-------------------------------|--|
| 347/600V/3ø/3W | | | POWER: NORMAL | | | | | | | | |
| DESCRIPTION | LOAD (W) |) BREAKER CCT A B C CCT BREAKE | | | | | | | ER LOAD (W) DESCRI | | |
| EXISTING | | | 1 | | | | 2 | | | | |
| EXISTING | | | | | | | 4 | | | EXISTING | |
| EXISTING | | | 5 | | | | 6 | | | | |
| | | | 7 8 | | | | | | | | |
| MAU-01 | | 30A-3P | 9 | | | | 10 | 60A-3P | 4500 | TR-1 | |
| | | | 11 | | | | 12 | | | | |
| F-01 | | | 13 | | | | 14 | | | EXISTING | |
| | | 15A-3P | 15 | | | | 16 | | | EXISTING | |
| | | | 17 | | | | 18 | | | EXISTING | |
| SPARE | | | 19 | | | | 20 | | | EXISTING | |
| SPARE | | | 21 | | | | 22 | | | EXISTING | |
| SPARE | | | 23 | | | | 24 | | | EXISTING | |
| SPARE | | | 25 | | | | 26 | | | EXISTING | |
| SPARE | | | 27 | | | | 28 | | | EXISTING | |
| SPARE | | | 29 | | | | 30 | | | EXISTING | |
| SPARE | | | 31 | | | | 32 | | | EXISTING | |
| SPARE | | | 33 | | | | 34 | | | EXISTING | |
| SPARE | | | 35 | | | | 36 | | | EXISTING | |
| SPARE | | | 37 | | | | 38 | | | EXISTING | |
| SPARE | | | 39 | | | | 40 | | | EXISTING | |
| SPARE | | | 41 | | | | 42 | | | EXISTING | |
| | | | | | | | | | | | |



MOTOR SCHEDULE NOTES:

- 1. ELECTRICAL SUBCONTRACTOR SHALL REFER TO MECHANICAL DRAWINGS FOR ALL NEW AND EXISTING MOTOR LOCATIONS. CONFIRM ALL ELECTRICAL RATINGS AND SIZES PRIOR TO SUPPLYING AND INSTALLING OF WIRING AND CIRCUIT BREAKERS AS PER MECHANICAL SHOP DRAWINGS. REPORT ANY DISCREPANCIES OR SUBSTITUTIONS PRIOR TO INSTALLATION.
- 2. ALL CONTROL WIRING FOR MECHANICAL ITEMS SHALL BE PROVIDED BY MECHANICAL CONTROLS SUBCONTRACTOR. REFER TO MECHANICAL SPECIFICATIONS.
- 3. PROVIDE DISCONNECT SWITCHES FOR ALL EQUIPMENT AS REQUIRED BY CODE. PROVIDE WEATHERPROOF DISCONNECTS AS REQUIRED ON ROOF AND WET
- AREAS.

 1. ALL DEVICES TO HAVE BIVETED LAMACOID NAMEDIATES.
- 4. ALL DEVICES TO HAVE RIVETED LAMACOID NAMEPLATES.
 5. ELECTRICAL SUBCONTRACTOR TO PROVIDE ALL MECHANICAL INTERLOCK WIRING.

CONTROLS REQUIREMENTS WITH MECHANICAL SUBCONTRACTOR AND MECHANICAL DRAWINGS.

5. ELECTRICAL SUBCONTRACTOR TO PROVIDE ALL MECHANICAL INTERLOCK WIRING. 6. NOT ALL MECHANICAL EQUIPMENT MAY BE SHOWN ON THIS DRAWING. CONFIRM MECHANICAL EQUIPMENT LIST, AMPERAGE, LOCATIONS, ACCESSORIES AND



PARTIAL SINGLE LINE DISTRIBUTION

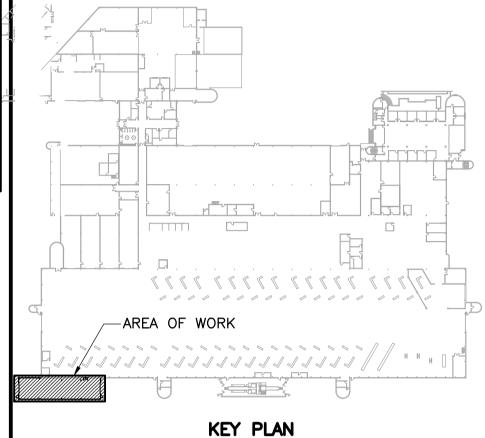
N.T.S.

NOTES:

 GIVE ADEQUATE NOTICE (MIN 72 HRS) TO THE CITY OF WINNIPEG OF ANY POWER OUTAGE REQUIRED FOR THIS WORK. SCHEDULE OUTAGES TO PROVIDE LEAST INTERFERENCE WITH OTHER WORK.

2. TECK 90 CABLE CAN BE USED TO FEED NEW PANEL PP-WW1 FROM PP-WW PROVIDED THE CORRECT AMPACITY IS ACHIEVED.

| | | | | | | | | | | | | | | THE CONTROL AND THE CONTROL AN | | <u> </u> | <u>~~~</u> | | | |
|------------|-------------------|------|-----------------------|------------|-----------|--------------------------|------|----------|--------|----------|-------------------|---------|----------|--|-----|----------|------------|----------|----------|-------------------------------|
| | | | | | | | | | | MOT | OR SCHEDULE | | | | | | | | | |
| | MOTOR DESCRIPTION | | LOCATION | VOLTS / Ø | PACKAGE | GE STARTER & ACCESSORIES | | | FEEDER | | BREAKER | CIRCUIT | F/A SHUT | CONTROL | | | REMARKS | | | |
| No | HP | KW | AMP DESCRIPTION | LOCATION | VOLIS / Ø | UNIT | TYPE | FUNCTION | 1 PL | . PB HOA | | CONDUIT | DREAKER | CIRCUIT | DN. | WITH | DEVICE | SUPP. BY | WIRED BY | NEWIANNS |
| MAU-1 | _ | _ | 19.10 ROOF TOP UNIT | ROOF | 600/3 | X | MAG | FVNR | _ | _ X | 3#6 RW90 CU+G | 35mm | 30A-3P | WW1 7, 9, 11 | X | | | МЕСН | МЕСН | |
| F-01 | 5.0 | _ | - BUS TAIL EXHAUST | ROOF | 600/3 | X | MAN | _ | _ | _ | 3#10 RW90 CU+G | 27mm | 20A-3P | WW1 13, 15, 17 | X | | | MECH | MECH | |
| F-02 | 2.0 | _ | - WELDING EXHAUST | MAIN FLOOR | 208/3 | Х | MAN | _ | _ | - | 3#10 RW90 CU+G | 27mm | 20A-3P | A 13, 15, 17 | | | | MECH | MECH | PLUG |
| P-1A | 1.0 | _ | - SANITARY PUMP | SUMP PIT | 208/3 | _ | _ | _ | _ | - - | 3#12 RW90 CU+G | 27mm | 15A-3P | A 19, 21, 23 | | | | MECH | MECH | |
| P-1B | 1.0 | _ | - SANITARY PUMP | SUMP PIT | 208/3 | _ | _ | _ | _ | | 3#12 RW90 CU+G | 27mm | 15A-3P | A 25, 27, 29 | | | | MECH | MECH | |
| UH-01 | _ | _ | 6.3 UNIT HEATER | MAIN FLOOR | 120/1 | X | MAN | _ | _ | | 2#12 RW90 CU+G | 27mm | 15A-1P | A 5 | | | | MECH | MECH | |
| UH-02 | _ | _ | 6.3 UNIT HEATER | MAIN FLOOR | 120/1 | X | MAN | _ | _ | | 2#12 RW90 CU+G | 27mm | 15A-1P | A 7 | | | | MECH | MECH | |
| HEAT TRACE | _ | 0.1 | ON MUA-1 | ROOF | 120/1 | _ | _ | _ | _ | | 2#12 RW90 CU+G | 27mm | 15A-1P | A 3 | | | | MECH | MECH | |
| ALARMS | _ | FRAC | ON GAS DET. PNL | WALL | 120/1 | _ | _ | _ | _ | - - | 2#12 RW90 CU+G | 27mm | 15A-1P | A 1 | | | | MECH | MECH | CONFIRM EXACT LOCATIO ON SITE |



DESCRIPTION

PERMIT STAMP

ORIGINAL DRAWING REVISION "00" SEALED BY

DRAFTING ENGINEERING

Certificate of Authorization

TETRA TECH WEI Inc.
No. 5313 Date: April 30, 2014

DLP

01

| DESIGNED BY: | PREPARED BY: | REVIEWED BY: | | | | | |
|----------------|--------------|--------------|--|--|--|--|--|
| НС | ВМ/НА | НС | | | | | |
| AUTHORIZED BY: | DATE: | SCALE: | | | | | |
| DLP | 13.11.15 | AS NOTED | | | | | |

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SUB-CONSULTANT(S)

H.A. CEA CANAS

14.01.17



CITY OF WINNIPEG
TRANSIT DEPARTMENT



TETRA TECH

OJECT NAME:

CITY OF WINNIPEG TRANSIT - FORT ROUGE GARAGE BUS MAINTENANCE ADDITION

ELECTRICAL SCHEDULES

AWING NO: 1329720500-DWG-E0003

:

ODEL REF No: