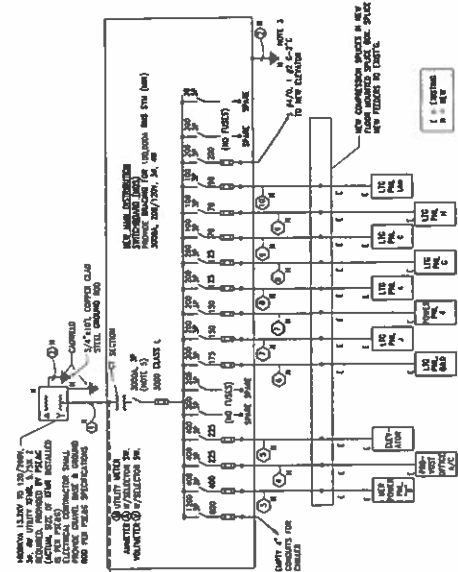


TYPICAL CONDUIT TRENCH DETAIL
NOT TO SCALE

- GENERAL NOTES**
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B.
 2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B.
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 10. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70B.



SYMBOL LIST

| SYMBOL | DESCRIPTION |
|--------|---------------------------------------|
| 1 | CONCRETE FILLD STEEL BALANCE, BY E.C. |
| 2 | CONCRETE FILLD STEEL BALANCE, BY E.C. |
| 3 | CONCRETE FILLD STEEL BALANCE, BY E.C. |
| 4 | CONCRETE FILLD STEEL BALANCE, BY E.C. |
| 5 | CONCRETE FILLD STEEL BALANCE, BY E.C. |
| 6 | CONCRETE FILLD STEEL BALANCE, BY E.C. |
| 7 | CONCRETE FILLD STEEL BALANCE, BY E.C. |
| 8 | CONCRETE FILLD STEEL BALANCE, BY E.C. |
| 9 | CONCRETE FILLD STEEL BALANCE, BY E.C. |
| 10 | CONCRETE FILLD STEEL BALANCE, BY E.C. |

WIRE & CONDUIT SCHEDULE (ALL WIRE: BODY COPPER, THHN/THWN)

| WIRE | CONDUIT | DESCRIPTION |
|------|---------|---------------------------------------|
| 1 | 1/2" | CONCRETE FILLD STEEL BALANCE, BY E.C. |
| 2 | 3/4" | CONCRETE FILLD STEEL BALANCE, BY E.C. |
| 3 | 1" | CONCRETE FILLD STEEL BALANCE, BY E.C. |
| 4 | 1 1/4" | CONCRETE FILLD STEEL BALANCE, BY E.C. |
| 5 | 1 1/2" | CONCRETE FILLD STEEL BALANCE, BY E.C. |
| 6 | 2" | CONCRETE FILLD STEEL BALANCE, BY E.C. |
| 7 | 2 1/2" | CONCRETE FILLD STEEL BALANCE, BY E.C. |
| 8 | 3" | CONCRETE FILLD STEEL BALANCE, BY E.C. |
| 9 | 3 1/2" | CONCRETE FILLD STEEL BALANCE, BY E.C. |
| 10 | 4" | CONCRETE FILLD STEEL BALANCE, BY E.C. |

POWER ONE, INC. ENGINEER
 1000 UNIVERSITY DRIVE
 NEW BRUNSWICK, NJ 08901

EXISTING 200A RATED 3-POLE
DISCONNECT SWITCH, PROVIDE
(2) 200A CLASS "J" FUSES, USE
OUTER (2) FUSE SPACES, CENTER
FUSE LOCATION SHALL REMAIN WITHOUT
FUSE. NEUTRAL SHALL NOT BE
BROKEN BY DISCONNECT SWITCH

100KVA 13.2KV TO 120/208V,
3Ø, 4W UTILITY XMR, 5.75% Z
REQUIRED, PROVIDED BY PSE&G
(AC) J.A. SIZE OF XMR INSTALLED
IS PER PSE&G
ELECTRICAL CONTRACTOR SHALL
PROVIDE GRAVE BASE & GROUND
ROD PER PSE&G SPECIFICATIONS

PROVIDE FOR FUTURE
3Ø 300A TAP TO A
FIRE PUMP

CT SECTION

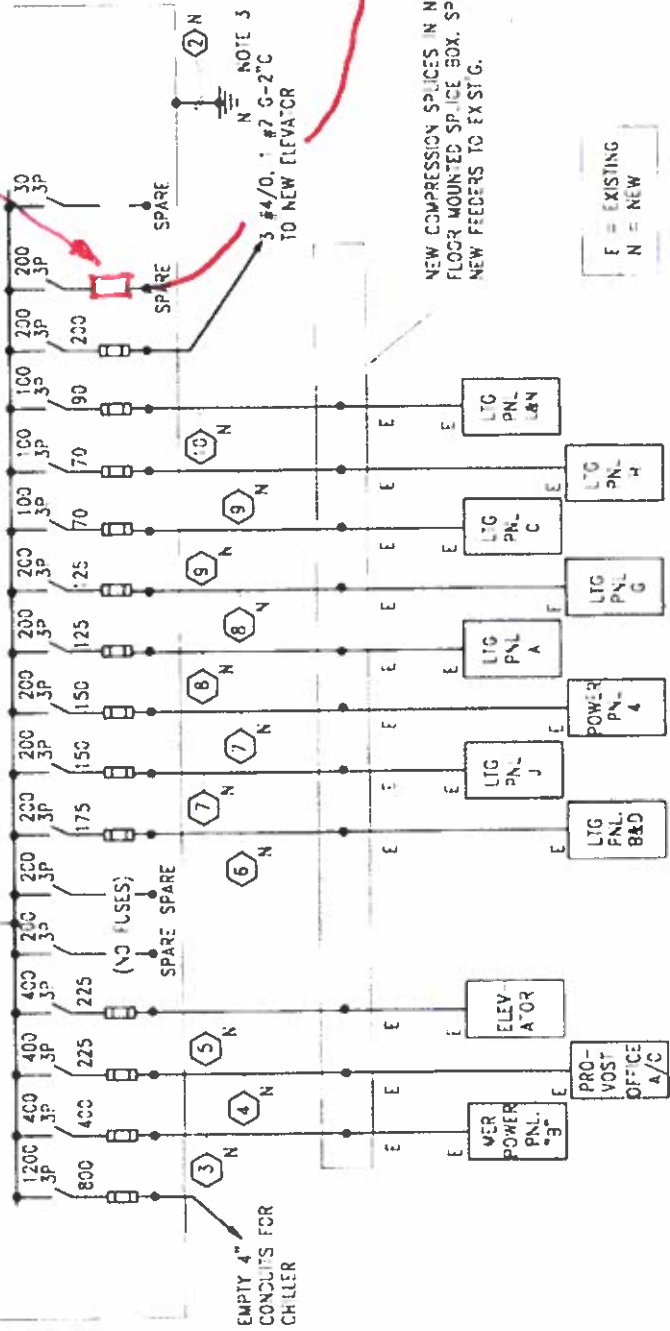
AMMETER (A) W/SELECTOR SW.
VOLTMETER (V) W/SELECTOR SW.

3000A, 3P
(NOTE 5)

3000A, 208/120V, 3Ø, 4W

NEW MAIN DISTRIBUTION
SWITCHBOARD (MDS)

PROVIDE BRACING FOR 100,000A RMS SYM (MIN)
3000A, 208/120V, 3Ø, 4W



TO CARRIAGE HOUSE

NEW COMPRESSION SPICES IN NEW
FLOOR MOUNTED SPICE BOX. SPICE
NEW FEEDERS TO EXIST G.

E = EXISTING
N = NEW