



1 ELECTRICAL RISER PLAN
 E400 SCALE(S)

ELECTRICAL KEY NOTES

- 1 CONTRACTOR SHALL COORDINATE THE DEMOLITION OF THE EXISTING ELECTRICAL SERVICE FROM THE EXISTING BUILDING TO THE NEW BUILDING. THE DEMOLITION WORK SHALL BE COMPLETED BY THE TIME THAT IS CONVENIENT TO THEIR SCHEDULES. THIS MAY REQUIRE WORKING AFTER HOURS AND/OR THE WEEKEND.
- 2 CONTRACTOR SHALL REMOVE CONDUITS ROUTED FROM THE UTILITY PALE TO EXISTING MAIN DISCONNECT.
- 3 CONTRACTOR SHALL REMOVE CONDUITS FROM THE UTILITY PALE TO EXISTING MAIN DISCONNECT.
- 4 CONTRACTOR SHALL REMOVE THE BONDING JUMPER BETWEEN THE NEUTRAL AND GROUND IN THIS DISCONNECT.
- 5 MAIN DISCONNECT SHALL BE REPOWERED AS INDICATED FROM MAIN DISCONNECT AS INDICATED.
- 6 2 1/2" CONDUIT WITH FOUR (4) #350 KCMIL AND #2 AWG GROUND EACH.
- 7 1 1/2" SERVICE ENTRANCE RATED DISCONNECT SWITCH, 3A, 250V, 4W, NEMA 3R, FUSED AT 300A.
- 8 400A SERVICE ENTRANCE RATED DISCONNECT SWITCH, 3A, 250V, 4W, NEMA 3R, FUSED AT 400A.
- 9 4" CONDUIT WITH FOUR (4) #600 KCMIL AND #1/0 AWG GROUND.
- 10 NEMA 3R ELECTRICAL TROUGH SIZED AS REQUIRED FOR THE INSTALLATION OF TWO (2) ELECTRICAL DISCONNECTS. PROVIDE ILSCO TERMINALS OR APPROVED EQUAL WITH THREE (3) TIGHTS PER PANEL.
- 11 TWO (2) 4" CONDUITS WITH FOUR (4) #600 KCMIL AND #1/0 AWG GROUND EACH.
- 12 JUNCTION BOX AND CT CONTAINER SHALL BE SIZED PER UTILITY COMPANY STANDARDS.
- 13 COORDINATE WITH ENTRYCO THE INSTALLATION OF A NEW POWER POLE.
- 14 COORDINATE WITH ENTRYCO THE INSTALLATION OF A NEW TELEPHONE BACKBOARD TO THE EXISTING TELEPHONE BACKBOARD.
- 15 COORDINATE WITH ENTRYCO THE INSTALLATION OF A ELECTRICAL UTILITY SERVICE TO A SHARE FOR FUTURE USE. A PVC CUP SHALL BE INSTALLED.
- 16 #3/0 AWG GROUNDING ELECTRODE CONDUCTOR SHALL BE CONNECTED TO FOUR (4) 3/4" X 10" COPPER DRIVEN GROUND RODS. THE COLD WATER PIPE AND THE BUILDING STEEL SHALL BE USED FOR GROUNDING. ALL CONNECTIONS TO BE CRAWLED. BOND NEUTRAL TO GROUND WITH #1/0 GROUND. ALL CONNECTIONS TO BE CRAWLED.
- 17 OWNER PROVIDED 400A AUTOMATIC TRANSFER SWITCH.
- 18 OWNER PROVIDED GAS GENERATOR AND ENCLOSURE.
- 19 CIRCUITING TO LIGHT FIXTURES
- 20 TO UNSWITCHED HOT LEGS AND EXIT FIXTURES
- 21 TWO (2) 2" CONDUITS WITH #12 AWG CONDUCTORS AND GROUND WIRES TO LIGHTING CONTROL PANEL.
- 22 THE LIGHTING CIRCUITS. ROUTE INTO WIRETRAY BELOW LIGHTING CONTROL PANEL.
- 23 MINIMUM 6" X 20" X 4" DEEP WIRETRAY MOUNTED BELOW THE LIGHTING CONTROL PANEL SHALL BE USED FOR SPLICING PHASE CONDUCTORS TO PROVIDE UNSWITCHED LEG OF THE LIGHTING CIRCUIT TO THE EMERGENCY AND EXIT FIXTURES.
- 24 LIGHTING CONTROL RELAY PANEL ENCLOSURE. SEE SPECIFICATIONS FOR MORE DETAILS.
- 25 EXISTING TO REMAIN.
- 26 2 1/2" CONDUIT WITH FOUR (4) 4/0 AWG CONDUCTORS AND #2 AWG GROUND.
- 27 ROUTE THREE (3) 2" CONDUITS FROM THE NEW TELEPHONE BACKBOARD TO THE EXISTING TELEPHONE BACKBOARD.