

PARTIAL FLOOR PLAN-ELECTRICAL
SCALE: 1/4"=1'-0"

NOTES:

- ① PANEL SHALL BE PROVIDED UNDER THE PERFORMING ARTS INTERIOR PACKAGE.
- ② PROVIDE A 3000 AMP, 208/120 VOLT, 3ø, 4 WIRE, QED-2 SWITCHBOARD AS MANUFACTURED BY SQUARE D. THE SHORT CIRCUIT CURRENT RATING SHALL BE 42,000 AMPS, RMS SYMMETRICAL. THE UTILITY SECTION SHALL CONTAIN THE CURRENT TRANSFORMERS, BE FRONT AND LEFT SIDE ACCESSIBLE, AND COMPLY WITH ALL BGE REQUIREMENTS. THE SWITCHBOARD AND UTILITY SECTION SHALL BE UL LABELED FOR USE AS SERVICE ENTRANCE EQUIPMENT.
- ③ PROVIDE (8) 4" EMPTY PVC CONDUITS UNDER THE PROPOSED AREA-WAY AND TRENCHED FLOOR FOR THE BGE SECONDARY FEEDERS. CONDUITS SHALL BE BURIED 24 INCHES MINIMUM BELOW FINISHED GRADE.

GENERAL NOTES - ELECTRICAL WORK

- 1. DRAWINGS SHALL NOT BE SCALED
- 2. THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES. THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ALL OTHER DRAWINGS AND SPECIFICATIONS SHALL BE CONSULTED AND COORDINATED WITH PRIOR TO ROUGH-IN.
- 3. WHEREVER POSSIBLE, THE CONTRACTOR SHALL OBTAIN ACTUAL ROUGH-IN DRAWINGS FOR THE ACTUAL ITEM OF EQUIPMENT TO BE INSTALLED PRIOR TO ROUGH-IN. THIS SHALL APPLY TO ALL EQUIPMENT, WHETHER IT IS TO BE INSTALLED BY THE CONTRACTOR OR BY THE OWNER.
- 4. IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS THAT ALL NEW ELECTRICAL WORK TO BE INSTALLED IN FINISHED AREAS, AS DESCRIBED IN SPECIFICATION DIVISION 16000, BE INSTALLED CONCEALED WITHIN NEW OR EXISTING WALLS, FLOORS OR CEILINGS. ANY AND ALL CUTTING AND PATCHING OF SURFACES SHALL BE INCLUDED BY THE CONTRACTOR IN HIS BID. NO SUBSEQUENT ALLOWANCE WILL BE MADE FOR CUTTING AND PATCHING WORK WHICH MAY BE REQUIRED UNDER THIS CONTRACT. THE CONTRACTOR SHALL COORDINATE WITH THE ARCHITECTURAL DRAWINGS TO DETERMINE WHICH WALLS ARE NEW AND WHICH WALLS ARE TO REMAIN. EXISTING WALLS SHALL BE PATCHED READY TO RECEIVE NEW FINISHES WHERE APPLICABLE, OR SHALL BE PATCHED TO MATCH SURROUNDING SURFACES WHERE NEW FINISHES ARE NOT INDICATED. ALL PATCHING SHALL BE DONE TO THE COMPLETE SATISFACTION AND APPROVAL OF THE ARCHITECT. SURFACE METAL RACEWAYS SHALL BE PERMITTED IN FINISHED AREAS ONLY WHERE SPECIFICALLY APPROVED IN THE FIELD BY THE ARCHITECT.

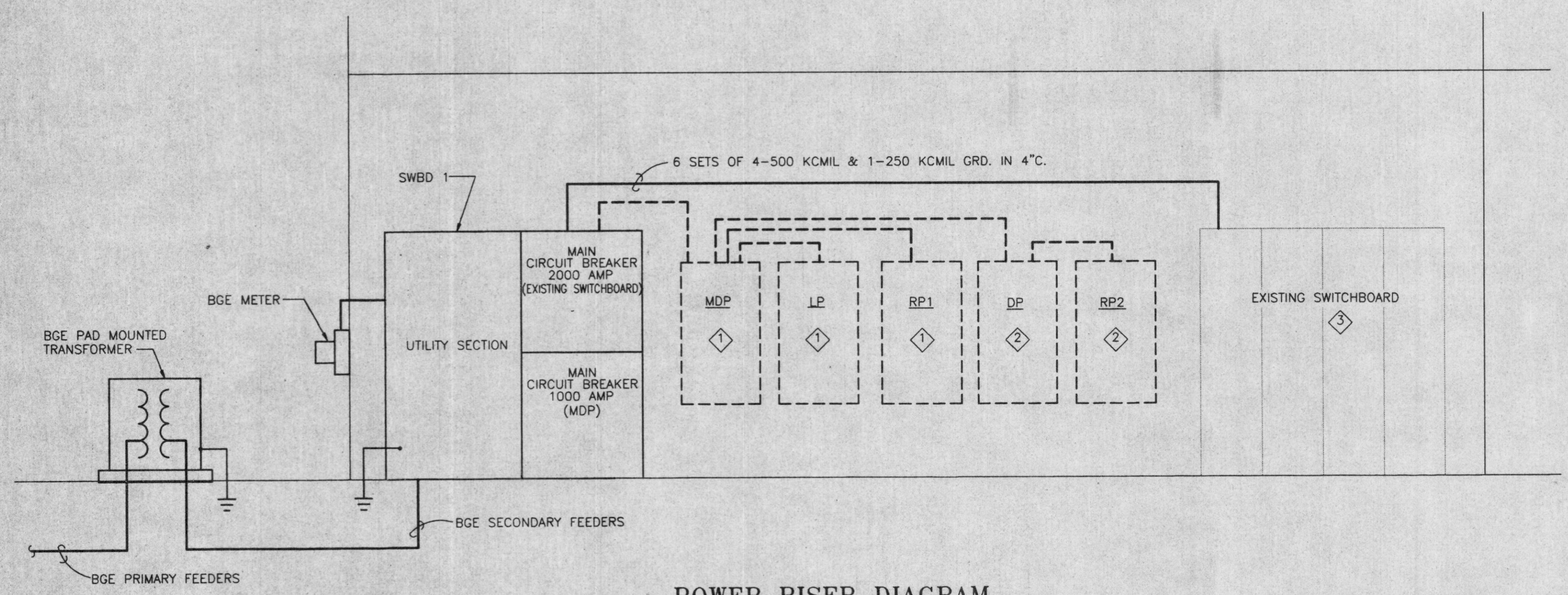
ELECTRICAL LEGEND

- EQUIPMENT CABINET, AS NOTED, MOUNT AT 6'-6" A.F.F. TO TOP
- PANELBOARD, AS NOTED, MOUNT AT 6'-6" A.F.F. TO TOP
- CONDUIT AND WIRE, CONCEALED IN WALLS OR ABOVE CEILINGS
- - - CONDUIT AND WIRE, BELOW FLOOR
- - - UG CONDUIT AND WIRE, MINIMUM 36" BELOW GRADE
- CONDUIT: TURNING UP; TURNING DOWN
- ⌋ CONDUIT WITH BUSHED OR CAPPED END

/// HOMERUN TO PANELBOARD:
ARROWS INDICATE QUANTITY OF CIRCUITS
CROSSLINES INDICATE QUANTITY OF CONDUCTORS
NOTATION INDICATES PANELBOARD AND CIRCUIT NUMBER TO WHICH CIRCUIT IS TO BE EXTENDED
EXCEPT AS NOTED OTHERWISE, ALL CIRCUITS SHALL CONSIST OF MINIMUM #12 AWG CONDUCTORS. REFER TO THE BRANCH CIRCUIT WIRE SIZING TABLE ON THIS DRAWING FOR FURTHER INFORMATION ON SIZING OF CONDUCTORS FOR LONG CIRCUITS
NOTE THAT AN EQUIPMENT GROUNDING CONDUCTOR (NOT SHOWN) SHALL BE PROVIDED FOR ALL BRANCH CIRCUITS. THIS EQUIPMENT GROUNDING CONDUCTOR SHALL BE SIZED IN ACCORDANCE WITH N.E.C. TABLE 250-95, EXCEPT THAT MINIMUM SIZE SHALL BE #12 AWG

ELECTRICAL ABBREVIATIONS

- A AMPERE(S)
- A.F.F. ABOVE FINISHED FLOOR
- A.I.C. AMPERES INTERRUPTING CAPACITY
- AWG AMERICAN WIRE GAUGE
- BGE BALTIMORE GAS AND ELECTRIC COMPANY
- C CONDUIT
- CB CIRCUIT BREAKER
- CKT. CIRCUIT
- CLG. CEILING
- C.T. CURRENT TRANSFORMER
- DWG. DRAWING
- E.C. EMPTY CONDUIT
- EX. EXISTING
- FD. FEEDER
- FL. FLOOR
- FLA FULL LOAD AMPERES
- FSS FUSED SAFETY SWITCH
- GRD. GROUND
- HZ.~ HERTZ
- Isc SHORT CIRCUIT INTERRUPTING CAPACITY (RMS SYMMETRICAL AMPERES)
- KCMIL THOUSAND CIRCULAR MILLS
- KV KILOVOLTS
- KVA KILO-VOLT-AMPERES
- KW KILOWATTS
- LRA LOCKED ROTOR AMPERES
- MCB MAIN CIRCUIT BREAKER
- MH MOUNTING HEIGHT
- MISC. MISCELLANEOUS
- MLO MAIN LUGS ONLY
- MT. MOUNT
- MTD. MOUNTED
- MTG. MOUNTING
- N. NEUTRAL
- NEC NATIONAL ELECTRICAL CODE
- NIC NOT IN CONTRACT
- No. NUMBER
- NTS NOT TO SCALE
- ø PHASE
- P POLE
- PNL PANELBOARD
- PVC POLYVINYL CHLORIDE
- REQ'D REQUIRED
- RLA RUNNING LOAD AMPERES
- RMS ROOT MEAN SQUARE
- Rx REMOVE EXISTING
- SEC SECONDARY
- S/N SOLID NEUTRAL
- SWBD SWITCHBOARD
- SYM SYMMETRICAL
- TYP TYPICAL
- UG UNDERGROUND
- UNO UNLESS NOTED OTHERWISE
- V VOLTS
- VA VOLT-AMPERE
- W WIRE, WATTS
- W/M WIREMOLD
- XFMR TRANSFORMER



POWER RISER DIAGRAM
NO SCALE

NOTES:

- ◇ PANEL SHALL BE PROVIDED UNDER THE PERFORMING ARTS INTERIOR PACKAGE.
- ◇ PANEL SHALL BE PROVIDED UNDER THE CLASSROOM INTERIOR PACKAGE.
- ◇ REMOVE EXISTING CURRENT TRANSFORMERS AND USE THE EMPTY COMPARTMENT AS A PULL SECTION.

RUBELING & ASSOCIATES, INC.
ARCHITECTURE
INTERIOR DESIGN
401 JEFFERSON AVENUE
TOWSON, MARYLAND 21286-6306
410-357-3888
FAX: 410-357-2974
MECHANICAL ELECTRICAL ENGINEERS

CENTURY ENGINEERING
32 WEST ROAD
TOWSON, MARYLAND 21284
(410) 825-8070

CLASSROOM ADDITION
NOTRE DAME PREPARATORY SCHOOL
TOWSON, MARYLAND

REVISIONS:

NO.	DESCRIPTION	DATE

LAST REV.:
PROJECT NO.: 98-033
DATE: OCT. 15, 1998
SCALE: AS NOTED
TITLE:
BOILER ROOM
PART PLAN
RISER DIAGRAM
LEGEND AND ABBREVIATIONS

SHEET: E