Y MEDIUM VOLTAGE "THRU" BUS
X DISCONNECT SWITCH
Z BUS.

CABLE COMPARTMENT FROM MAIN BARRIERS TO COMPLETELY ISOLATE NON-METALLIC CABLE SUPPORT BRACKET "BUS RUN BACK"

SUBSTATION.

GROUND BUS, CONTINUOUS THROUGHOUT KIRK KEY MAIN INTERLOCK BOTTOM AND/OR FRONT TO BACK.

(A, B, C) LEFT TO RIGHT, TOP TO PHASING THROUGHOUT SHALL BE: X, Y, Z

NOTES:

1. MEDIUM VOLTAGE "THRU" BUS
2. DISCONNECT SWITCH
3. BARRIERS TO COMPLETELY ISOLATE CABLE COMPARTMENT FROM MAIN BUS.
4. NON-METALLIC CABLE SUPPORT BRACKET
5. COMPRESSED LUGS FOR OVERHEAD OR BELOW GRADE CABLE CONNECTIONS (NEMA STANDARD 2 HOLE)
6. "BUS RUN BACK"
7. GROUND BUS CONTINUOUS THROUGHOUT SUBSTATION.
8. KIRK KEY MAIN INTERLOCK.
9. FRBC PUMP-RATED TAP LUGS FOR CONNECTION TO A REMOTE DISCONNECT SWITCH FOR THE FIRE PUMP. TAP LUGS SHALL BE IN A DEZULATED, FULLY BARRIERED VERTICAL SECTION.
10. 0° C RISE 13.2kV: / kVA

NOTES:

NO SCALE

DOUBLE ENDED SUBSTATION ELECTRICAL ONE-LINE DIAGRAM

FRONT ELEVATION

ADDITIONAL SECTIONS AS NEEDED

ALTERNATE ROUTING FOR INCOMING CABLES

PREFERRED ROUTING FOR INCOMING CABLES

ELECTRICAL ONE-LINE DIAGRAM DOUBLE ENDED SUBSTATION

CABLES INCOMING FOR ROUTING PREFERRED

AMMETER AND KWH METER REQUIREMENTS.

SEE SPECIFICATIONS FOR SPECIAL CT, PRIMARY AND SECONDARY FUSES.

TRANSFORMER FOR METERING WITH 208/120 VOLTS, PROVIDE CONTROL POWER IF SECONDARY VOLTAGE IS GREATER THAN SECONDARY FUSES.

TRANSFORMER (CPT) WITH PRIMARY AND SECONDARY FUSES.