SHALL NOT EXCEED THE 60DEG C RATING FOR FE

IN NEC 310.15(B)(16)

SERIES RATING

PARTIAL LEGEND

FUSED SWITCH

CIRCUIT BREAKER

GROUND

METER BASE

 $^-$ UTILITY TRANSFORMER $\langle \mathsf{E}
angle$

EXISTING CONDITIONS

- TRANSFORMER 〈E

MOTOR CONNECTION

DISCONNECT SWITCH: FUSED

FEEDER DESIGNATION. SYMBOL DENOTES FEEDER

LAST NUMBER DENOTES NUMBER OF CONDUCTORS

FIRST NUMBERS DENOTES AMPACITY OF FEEDERS

AMPACITY AND CONDUCTOR QUANTITIES.

DRY TYPE TRANSFORMES

1. SYSTEM WILL BE SERIES RATED, ELECTRICAL CONTRACTOR WILL COMPLY WITH CURRENT CEC ART 240.86 (A) & (B), FOR MARKING AND MOTOR CONTRIBUTIONS.

2. EQUIPMENT SHALL BE MARKED WITH THE SERIES RATING COMBINATIONS AS REQUIRED BY CURRENT NEC ART 110.22. THE SERIES RATING COMBINATION WILL BE MARKED ON THE EQUIPMENT BY THE MANUFACTURER, THE EQUIPMENT ENCLOSURE (S) SHALL BE LEGIBLY MARKED IN THE FILED TO INDICATE THE EQUIPMENT HAS BEEN APPLIED WITH A SERIES COMBINATION RATING. THE MARKING SHALL BE READILY VISIBLE AND STATE THE FOLLOWING:

'CAUTION - SERIES RATED SYSTEM _____ AMPERES AVAILABLE. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED" (480 VOLT

3. 'CAUTION - SERIES RATED SYSTEM _____ AMPERES AVAILABLE. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED" (208 VOLT

ELECTRICAL CONTRACTOR WILL MAINTAIN ON SITE ALL DOCUMENTATION REGARDING SERIES RATING BREAKER COMBINATIONS TO BE USED ON THIS PROJECT FOR THE FIELD INSPECTOR UPON REQUEST. THE SERIES RATED COMBINATIONS WILL BE HIGHLIGHTED AND TABBED FOR THE INSPECTORS USE.

PANEL

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GENERAL NOTES

1. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO REFERENCE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE FOR CONDUIT FILL FOR THE EXACT TYPE OF CONDUCTOR BEING INSTALLED AND SIZE THE CONDUIT AS REQUIRED BY CODE.

2. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO VERIFY VOLTAGE DROP FOR EXACT ROUTING AND LENGTH OF ALL CONDUCTORS.

3. ELECTRICAL CONTRACTOR TO PROVIDE ALL DISCONNECTS AT MECHANICAL UNITS.

4. PROVIDE DUCT DETECTORS IN ALL MECHANICAL UNITS AS REQUIRED BY CODE AND/OR THE FIRE MARSHAL.

5. CONTRACTOR WILL BE RESPONSIBLE TO VERIFY DIMENSIONS OF ALL EQUIPMENT AND MAINTAIN ALL CODE REQUIRED CLEARANCES. EQUIPMENT BASED ON SIEMENS EQUIPMENT, PROVIDE SEISMIC SUPPORTS AS REQUIRED.

6. ALL ELECTRICAL WORK WILL COMPLY WITH THE CURRENT NATIONAL ELECTRICAL CODE (NEC).

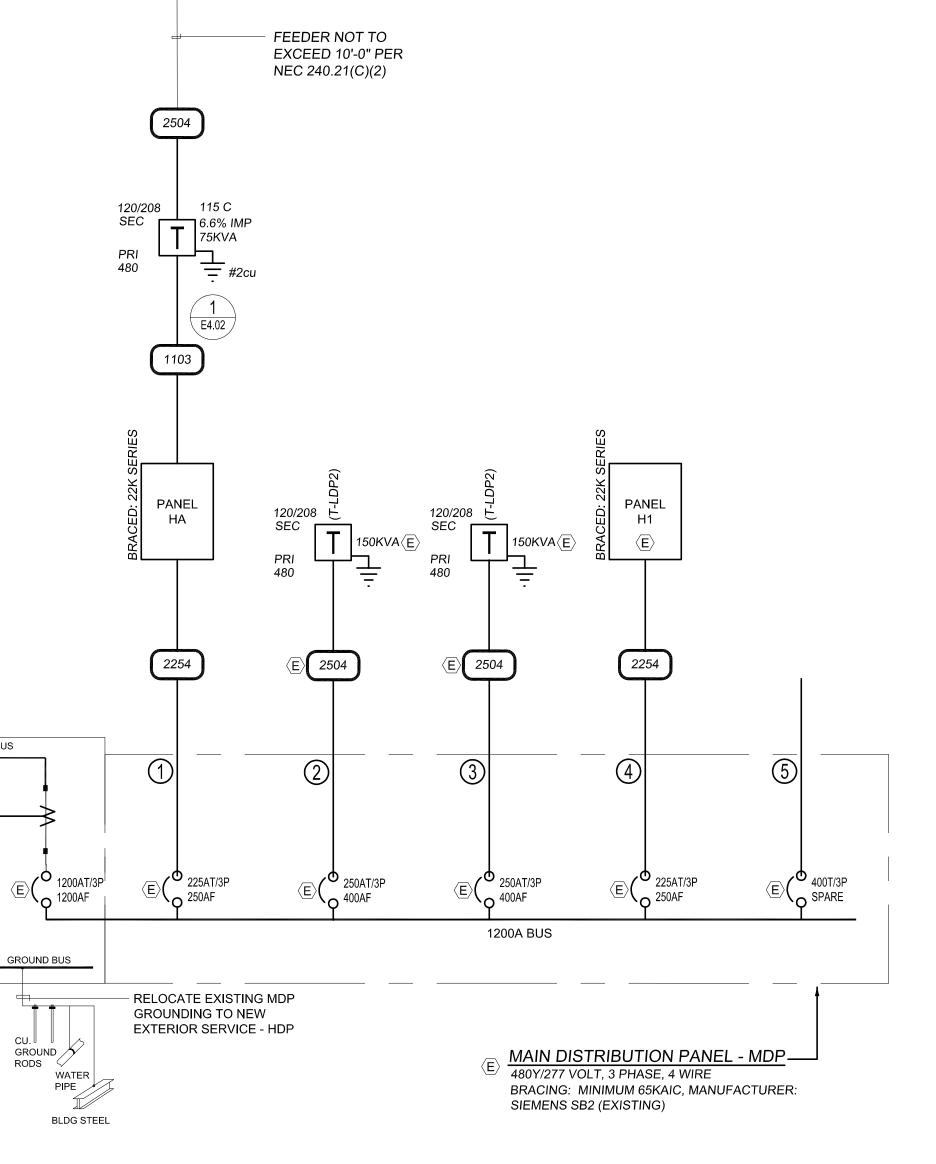
7. SWITCHBOARDS, PANELBOARDS, CONTROL PANELS AND MOTOR CONTROL CENTERS AND HVAC UNITS WILL BE FIELD MARKED TO WARN QUALIFIED PERSONNEL OF THE POTENTIAL ARC FLASH HAZARDS AND THE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE) PER 2010 NEC ART 110-16 AND NFPA 70E-2000. THE MARKINGS SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.

9. CONDUCTORS WILL BE TYPE THHN/THW.

PANEL

8. FUSES WILL BE PROVIDED WITH REJECTION TYPE FUSE HOLDERS.

10. ELECTRICAL DEDICATED SPACES: NO PIPING, DUCTS, EQUIPMENT FOREIGN TO ELECTRICAL EQUIPMENT SHALL BE PERMITTED WITHIN THE DEDICATED SPACE ABOVE THE ELECTRICAL EQUIPMENT.



ELECTRICAL ONE-LINE DIAGRAM - 480Y/277 VOLT, 3 PHASE, 4 WIRE

X 22,674 AFC



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Schedules

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