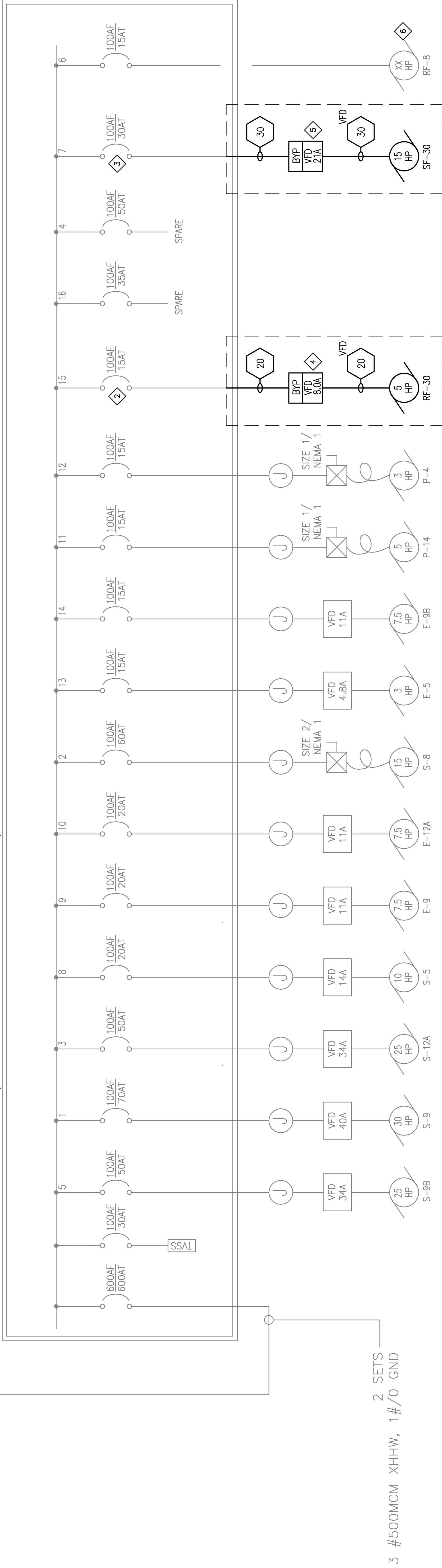


ELECTRICAL GENERAL NOTES

- [illegible]



- A. AHU AC-30 REFERS TO THE MECHANICAL AIR HANDLING SYSTEM WHICH INCLUDES NEW SUPPLY FAN "SF-30" AND NEW EXHAUST FAN "RF-30".
- B. CONNECTED LOAD ON EXISTING DP-PHA AFTER ADDITION OF RF-30 AND SF-30: 246.8A (BASED ON EXISTING SINGLE-LINE INFORMATION)

- ALL PENETRATIONS IN WALL, FLOOR OR CEILINGS SHALL BE SUITABLY CLOSED UP AND SEALED WITH AN INTUMESCENT FIRE STOPPING COMPOUND LISTED IN THE MOST CURRENT FURNITURE, PARTIAL, RESEARCH AND TESTING REPORTS. THE FIRE STOPPING PRODUCTS MANUFACTURED SHALL BE MANUFACTURED BY 3M CO.
- A. LOW VOLTAGE SYSTEM (FIRE ALARM & COMMUNICATIONS SYSTEMS)
1. LOW VOLTAGE SYSTEMS INCLUDE ALL REQUIRED INTERFACE WIRING BETWEEN EXISTING HEAD-END EQUIPMENT AND NEW PERIPHERAL COMPONENTS:
2. FIRE ALARM SYSTEM:
- A. PRE-ALARM SYSTEM: ELECTRICAL CONTRACTOR SHALL PROVIDE COMPLETE INSTALLED SYSTEM APPROVED BY THE LOCAL AUTHORITY. THE SYSTEM SHALL BE DESIGNED TO BE USED TO BE USED FOR PROTECT OF WORK FOR COMPLETE COVERAGE TO ACTUAL DEVICE INSTALLATION SHALL MEET MANUFACTURERS DESIGN REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE A SYSTEM DESIGNER SHALL CREATE INSTALLATION DRAWINGS. FIRE ALARM SYSTEMS SHALL BE CONFORM TO THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 720. THE CONTRACTOR SHALL BE COORDINATE OF BUILDING WIRING CONDUIT AND/OR 1,800 SHALL BE IN CONFORM CODE AS REQUIRED BY THE AHA.
- B. INTERWORK INVOLVING THE FIRE ALARM SYSTEM SHALL NOT RESULT IN INTERWORK OF THE FIRE ALARM COVERAGE IN ANY AREA OUTSIDE THE SCOPE OF THE PROJECT. IF SUCH INTERWORK IS REQUIRED THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INTERWORK SHALL BE COORDINATED WITH THE OWNER AND THE AHA.

ELECTRICAL KEY NOTES

5. TO FIELD VERIFY EXISTING SPINLE'S INTERNAL COMPONENTS, AC RATING AND NAMEPLATE AND TAG OF ASSOCIATED EQUIPMENT, NOTIFY ENERGY AND PROTECT MANAGER OF ALL DISBURSED WARRIORS PARTICIPATING IN EXISTING EQUIPMENT INSPECTION. EQUIPMENT TO BE EXAMINED, WARRIORS MUST BE TURNED ON.
6. FIELD NEW EXISTING FAN RE-30 FROM EXISTING 154AP SPARE BREAKER IN FAN UNIT (K11B15).
7. FIELD NEW SUPPLY FAN 50-30 FROM EXISTING 30AP SPARE BREAKER IN UPSHA (K10E17).
8. NEW 5 HP (60 RMS) VFD WITH INTEGRAL BYPASS, JOHNSON CONTROLS (K10E17) TO BE INSTALLED BY THE APPROVED EQUAL, TO BE FURNISHED BY MC AND INSTALLED BY EDC.
9. NEW 1/4 HP (60 RMS) VFD WITH INTEGRAL BYPASS, JOHNSON CONTROLS (K10E17) TO BE INSTALLED BY THE APPROVED EQUAL, TO BE FURNISHED BY MC AND INSTALLED BY EDC.
10. TO FIELD VERIFY THE RATING OF THE EXISTING UNIT AND NOTE ON AS BUILT DRAWING FOR EXISTING CONDITIONS.

THREE PHASE FEEDER SCHEDULE

FEEDER TAG	CONDUCTOR SIZE
⊗	3#12, 1#120 = 3/4" RGS/JMC CONDUIT
⊗	3#10, 1#100 = 3/4" RGS/JMC CONDUIT
⊗ ^{VP}	3#12, 1#120 (VP CABLE) = 3/4" RGS/JMC CONDUIT
⊗ ^{VP}	3#10, 1#100 (VP CABLE) = 1" RGS/JMC CONDUIT

NOTES:

- 1) WIRE OF #8 AND SMALLER SHALL BE STRANDED. WIRE OF #10 AND LARGER SHALL BE SOLID.
- 2) DRY/DRY/OUTDOOR WIRING SHALL BE RATED 90 DEG C FOR INSULATION PURPOSES SHALL BE AS FOLLOWS:
 - A) CONDUCTORS SIZED UP TO NO. 2 SHALL BE DUAL LISTED THHN/THW-2
 - B) VFD CABLE SHALL BE USED TO CONNECT VFD'S TO THEIR ASSOCIATED UNITS.

FULLY SPRINKLERED

[illegible]

VA FORM 08-6231