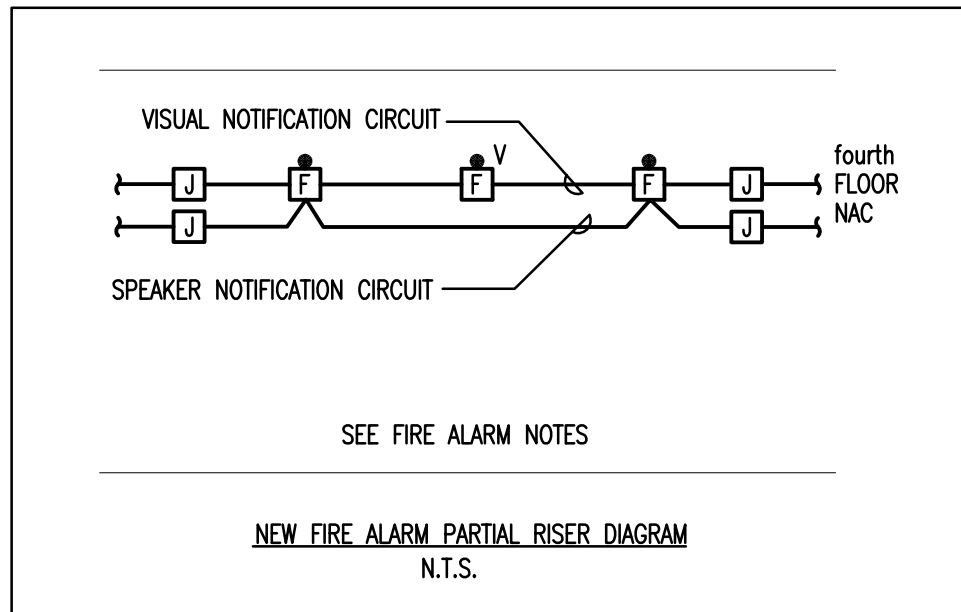


NEW WORK PART PLAN – FIRE ALARM

Scale 1/8"=1'-0"



FIRE ALARM SYSTEM (EXTENSION OF EXISTING FIRE ALARM SYSTEM)

- F** MANUAL PULL STATION MOUNTED 48" AFF
- FV** ADA COMPLIANT AUDIO/VISUAL ALARM MOUNTED 80" AFF, "V" INDICATES VISUAL UNIT ONLY
- S** SMOKE DETECTOR
- V** VOICE COMMAND SPEAKER STATION

FIRE ALARM NOTES:

1. ALL WIRING SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE MANUFACTURER AND THE NFPA.
12. ALL FIRE ALARM INDICATING APPLIANCES SHALL BE MOUNTED AT 80" A.F.F. MINIMUM UNLESS OTHERWISE REQUIRED AND COORDINATED WITH THE ARCHITECT OR ENGINEER.
13. SYSTEM SHALL MEET ALL "ADA" REQUIREMENTS.
14. REFER TO DEMOLITION PLAN ED-1 AND FIRE PLAN EF-1 FOR MORE LOCATIONS OF FIRE ALARM DEVICES.

1. REFER TO FLOOR PLAN FOR LOCATION, TYPE AND EXACT QUANTITY OF DEVICES.
2. FIRE ALARM SYSTEM AND INSTALLATION SHALL COMPLY WITH APPLICABLE REGULATIONS OF FIRE ALARM CODE (NFPA 72), LIFE SAFETY CODE (NFPA 101), MASSACHUSETTS CODE (527 CMR 12), MASSACHUSETTS FIRE PREVENTION REGULATIONS (527 CMR), STATE BUILDING CODE (780 CMR) AND BOSTON FIRE DEPARTMENT.
3. SYSTEM MANUFACTURER SHALL PROVIDE INSTALLATION WIRING DIAGRAM OF THE FIRE ALARM SYSTEM AND VERIFICATION CERTIFICATE OF SYSTEM OPERATION PRIOR TO FINAL ACCEPTANCE.
4. PROVIDE #18 AWG AND TWISTED PAIR CABLE IN 3/4" C. FOR FIRE ALARM SIGNALING LINE CIRCUIT (ADDRESSABLE LOOP) TO ADDRESSABLE FIRE ALARM INITIATING DEVICES. CLASS "A" WIRING WITH TERMINALS FOR IN/OUT WIRING.
5. PROVIDE #14 AWG TWISTED PAIR CABLE FOR VISUAL NOTIFICATION APPLIANCE CIRCUIT, AND #16 AWG TWISTED PAIR FOR SPEAKER CIRCUIT IN 3/4" C. WIRING COLOR CODES AS FOLLOWS: NAC CIRCUIT 1 BLACK AND ORANGE, CIRCUIT 2 BLUE AND ORANGE; SPEAKER CIRCUIT 1 BLACK AND WHITE, CIRCUIT 2 BLUE AND WHITE. ALL WIRING SHALL BE CLASS "A" WIRING WITH THE TERMINALS FOR IN/OUT WIRING.
6. FIRE ALARM SPEAKER/STROBE UNITS SHALL BE LOCATED AS INDICATED ON FLOOR PLAN. SPEAKERS SHALL UTILIZE A WATTAGE TAP POSITION. ADJUST SPEAKER TAP SETTING AS REQUIRED AFTER PRELIMINARY SYSTEM TEST TO PROVIDE A NOMINAL 70 db THROUGHOUT.
7. PROVIDE NEW DEVICES TO MATCH MEEI STANDARDS AND TIE INTO EXISTING FIRE ALARM SYSTEM. UPON COMPLETION OF WORK DEVICES SHALL BE PROGRAMMED AND TESTED FOR A COMPLETE SYSTEM.
8. ELECTRICAL CONTRACTOR SHALL INCLUDE IN IT'S SCOPE OF WORK ALL PROGRAMMING AND TESTING OF ALL NEW AND/OR AFFECTED FIRE ALARM DEVICES +/-10%. COORDINATE AND SCHEDULE ALL WORK WITH BUILDING OWNER AND FIRE ALARM COMPANY OF RECORD "ADA". CONTACT NAME: JOE GOLONI PHONE #617-772-5900 X238 EMAIL jgolon@afap.com
9. PROVIDE JUNCTION BOXES AND INTERCEPT NOTIFICATION CIRCUIT FOR RELOCATED APPLIANCE. PROVIDE NEW LABEL OF JUNCTION BOXES INDICATING CIRCUIT.
10. VERIFY BATTERY CAPACITY OF EXISTING SYSTEM AND UPGRADE AS REQUIRED TO PROVIDE BATTERY CAPACITY FOR 15 MINUTES OF ALARM ACTIVATION AFTER 60 HOURS OF STANDBY.

GENERAL NOTES:

1. REFER TO DRAWING E0.01 FOR ELECTRICAL SYMBOLS, NOTES AND SCHEDULES.
2. REFER TO ARCHITECTURE PLANS FOR EXACT LIMIT AND PHASING OF WORK UNDER THIS RENOVATION.
3. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND DEVICE LOCATIONS.
4. REFER TO MECHANICAL, PLUMBING AND FIRE PROTECTION PLANS FOR ALL EQUIPMENT REQUIRING ELECTRICAL POWER.
5. CIRCUIT NUMBERS TO EXISTING PANELBOARDS ARE SHOWN FOR REFERENCE ONLY. EXACT NUMBERS SHALL BE DETERMINED IN THE FIELD. THE ELECTRICAL CONTRACTOR SHALL IDENTIFY AND UTILIZE EXISTING BRANCH CIRCUITS LOCATED WITHIN THE AREA TO BE RENOVATED, AS WELL AS SPARES/SPACES IN EXISTING PANELBOARDS. PROVIDE NEW BREAKERS FOR ALL SPACES AS REQUIRED.
6. THE ELECTRICAL CONTRACTOR SHALL UPDATE EXISTING PANELBOARD DIRECTORIES.
7. ALL WIRING TO SOUND CHAMBER SHALL BE HCF90 HOSPITAL GRADE.

DRAWING TITLE

ELECTRICAL PARTIAL  
FOURTH FLOOR  
FIRE ALARM PLAN
