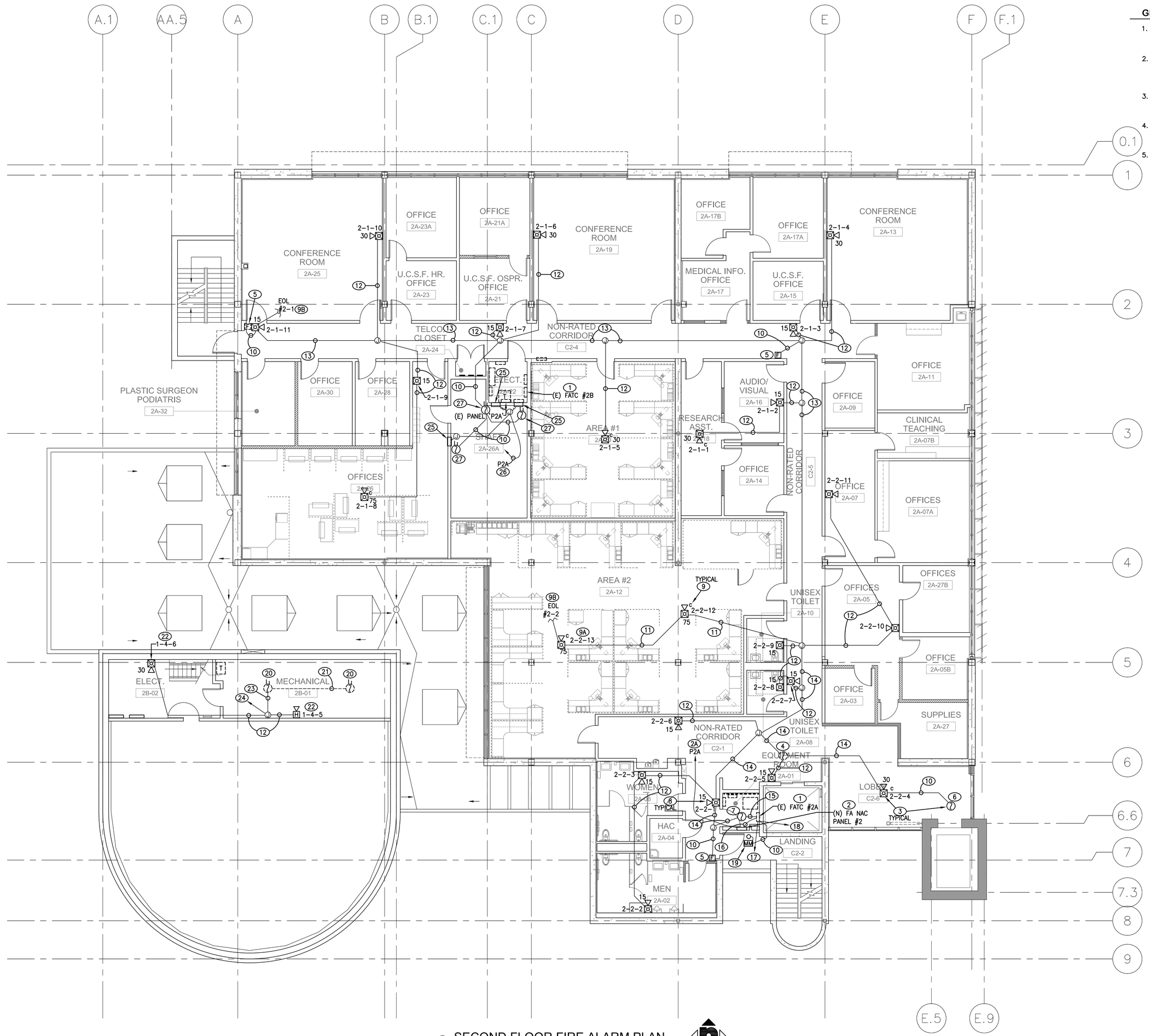
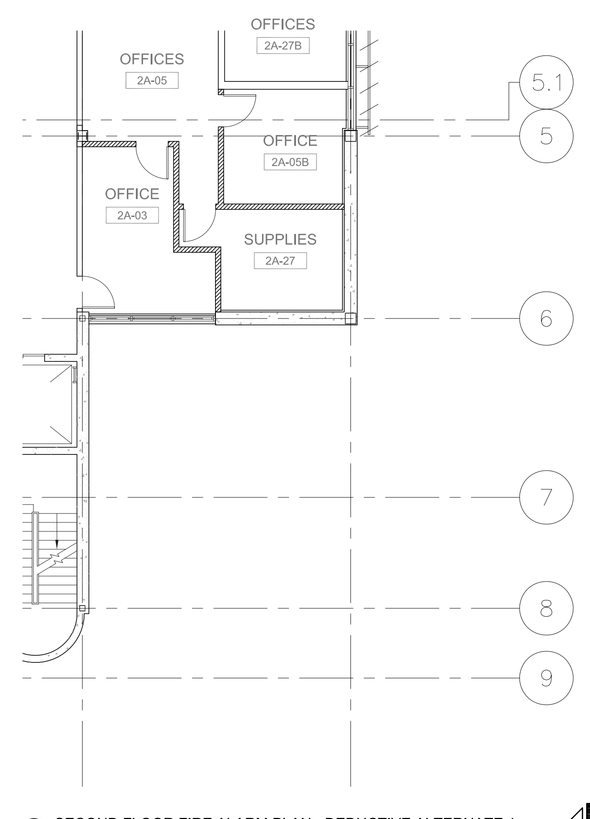


1 SECOND FLOOR FIRE ALARM PLAN
1/8" = 1'-0"



2 SECOND FLOOR FIRE ALARM PLAN - DEDUCTIVE ALTERNATE 1
1/8" = 1'-0"

GENERAL FIRE ALARM SYSTEM NOTES:

1. EXISTING BLDG CURRENTLY HAS A MANUAL FIRE ALARM SYSTEM. SCOPE OF FIRE ALARM WORK IS TO EXTEND THE EXISTING MANUAL FIRE ALARM PER CURRENT NFPA 101 AND ADA REQUIREMENT.
2. EXISTING FIRE ALARM SYSTEM CONSISTS OF A SIMPLEX #4100 ADDRESSABLE FIRE ALARM CONTROL PANEL WITH SIMPLEX ADDRESSABLE INITIATION DEVICES AND NAC DEVICES. ALL NEW DEVICES SHALL BE AS MANUFACTURED BY SIMPLEX, COMPATIBLE WITH THE EXISTING #4100 FIRE ALARM SYSTEM.
3. FIRE ALARM SYSTEM SUPPLIER SHALL ASSIST ELECTRICAL CONTRACTOR IN THE DEMO FIRE ALARM WORK AND NEW FIRE ALARM WORK TO ACCOMMODATE PHASING OF THE PROJECT.
4. ALL PROGRAMMING AND TESTING AS REQUIRED FOR A COMPLETE OPERABLE MANUAL FIRE ALARM SYSTEM SHALL BE DONE BY EXISTING FIRE ALARM SYSTEM SUPPLIER AND ALL COST SHALL BE INCLUDED IN THE CONTRACT.
5. CONTRACTOR SHALL PROVIDE NEW SUPPORT PER CODE FOR ALL EXISTING FIRE ALARM CONDUITS THAT REMAIN, IN ATTIC OR SURFACE MOUNTED ON CEILINGS AND WALLS.

SECOND FLOOR FIRE ALARM PLAN NOTES:

1. EXISTING FATC TO REMAIN. PROVIDE NEW NAMEPLATE.
2. PROVIDE NEW FIRE ALARM NAC POWER EXTENDER.
2A. HOMERUN TO EXISTING PANEL. PROVIDE NW 20A/1P BREAKER WITH LOCK–ON DEVICE. LABEL "FIRE ALARM".
3. TYPICAL: REFER TO SHEET ES001 FOR FIRE ALARM LEGEND.
4. EXISTING ADDRESSABLE SMOKE DETECTOR IN EXISTING ELEVATOR LOBBY FOR ELEVATOR RECALL FUNCTION, TO REMAIN. RECONNECT TO NEW FIRE ALARM SYSTEM.
5. TYPICAL: PROVIDE NEW FIRE ALARM INITIATION DEVICES.
6. PROVIDE NEW ADDRESSABLE SMOKE DETECTOR IN ELEVATOR LOBBY. PROGRAM FOR ELEVATOR RECALL FUNCTION.
7. PROVIDE NEW FIRE ALARM ADDRESSABLE SMOKE DETECTOR ON CEILING.
8. TYPICAL: PROVIDE NEW NAC DEVICE, ON WALL UNLESS OTHERWISE NOTED.
9. TYPICAL: "C" DENOTES CEILING MOUNTED NAC DEVICE.
9A. TYPICAL: "2–2–11" AT NAC DEVICE DENOTES NAC PANEL #2, CIRCUIT #2, DEVICE #11.
9B. PROVIDE NAC CIRCUIT EOL DEVICE.
10. 3/4"C WITH ONE "A" CABLE.
11. 3/4"C WITH 2#12.
12. 3/4"C WITH 4#12.
13. 1"C WITH ONE "A" CABLE, + 2#12.
14. 1"C WITH ONE "A" CABLE, + 4#12.
15. 1"C WITH ONE "A" CABLE, + 4#12 TO FATC.
16. RUN FROM NAC PANEL TO FATC: ONE 1–1/4"C WITH ONE ADDRESSABLE "A" CABLE + 8#12.
17. 1–1/4"C WITH ONE "A" CABLE, + 2#12 (24VDC) TO FATC #1A/FACP ON FIRST FLOOR.
18. 1–1/4"C WITH ONE "A" CABLE, + 2#12 (24VDC) TO FATC #3A ON THIRD FLOOR.
19. VERIFY LOCATION OF FIRE SPRINKLER FLOOR CONTROL ASSEMBLY IN FIELD. PROVIDE MONITOR MODULE WITH WIRING TO CONNECT WATERFLOW SWITCH.
20. EXISTING DUCT SMOKE DETECTORS TO REMAIN.
21. REPLACE EXISTING WIRING IN EXISTING FIRE ALARM CONDUIT WITH ONE "A" CABLE, + 2#12 (24VDC).
22. TYPICAL: PROVIDE NEW NAC DEVICES.
23. 1"C WITH ONE "A" CABLE, + 2#12 (24VDC).
24. 1"C WITH ONE "A" CABLE, 4#12 (NAC) + 2#12 (24VDC) TO FATC #AUD ON FIRST FLOOR.
25. SEE SHEET MH102 FOR LOCATION OF FIRE/SMOKE DAMPERS. PROVIDE 120V CONNECTION.
26. HOMERUN TO EXISTING PANEL #P2A. PROVIDE NEW 20A/1P BREAKER WITH LOCK–ON DEVICE IN EXISTING SPACE, WITH NAMEPLATE :"FIRE SMOKE DAMPERS. LEAVE ON".
27. PROVIDE ADDRESSABLE DUCT SMOKE DETECTORS AT FIRE/SMOKE DAMPERS. DETECTORS SHALL BE FURNISHED AND INSTALLED BY FIRE ALARM SYSTEM SUPPLIER, AS DIRECTED BY MECHANICAL CONTRACTOR. DETECTORS SHALL HAVE RELAY BASE. RUN FROM EACH DETECTOR 1/2"C – 2#14 TO RESPECTIVE FSD FOR SMOKE SHUT DOWN CONTROL.

Revisions:	Date

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Approved Project Director:

Project Title: BUILDING 24 SEISMIC CORRECTION AND ADDITION

Location: VAMC FRESNO, CA

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Office of Construction and Facilities Management

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