

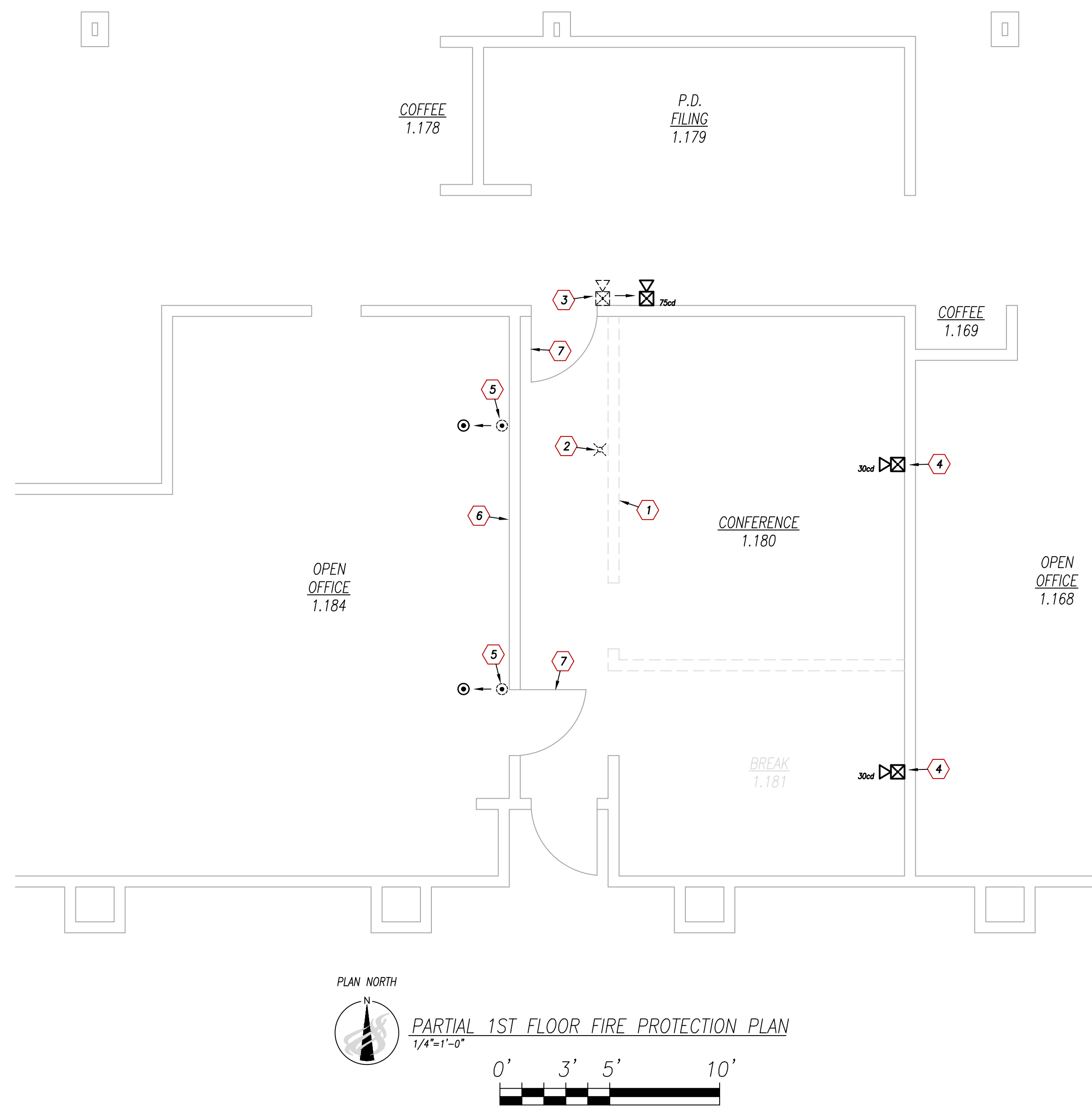
1. FIRE ALARM SYSTEM SHALL BE INSTALLED AND TESTED IN STRICT ACCORDANCE WITH NFPA 72, 2019 EDITION, NATIONAL FIRE ALARM CODE, NFPA 720, 2017 EDITION, NATIONAL ELECTRICAL CODE AND INTERNATIONAL BUILDING CODE (IBC) 2018 EDITION, AS WELL AS STATE AND LOCAL BUILDING CODES AND STANDARDS.
2. FIRE ALARM CONDUCTORS AND CABLES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH NFPA 70, 2017 EDITION NATIONAL ELECTRICAL CODE AND SPECIFICALLY WITH ARTICLES 760, 770 AND 800, WHERE APPLICABLE. OPTICAL FIBER CABLES SHALL BE PROTECTED AGAINST MECHANICAL INJURY IN ACCORDANCE WITH ARTICLE 760.
3. FIRE ALARM CONDUCTORS AND CABLES SHALL BE INSTALLED IN A HEAT AND WORKMANSKIE MANNER. CONDUCTORS AND CABLES SHALL BE SUPPORTED BY THE BUILDING STRUCTURE IN SUCH A MANNER THAT THE CABLE WILL NOT BE DAMAGED BY NORMAL BUILDING USE.
4. THE INSTALLING ELECTRICAL CONTRACTOR MUST PROVIDE THE FIRE ALARM CONTRACTOR (KELLER FIRE & SAFETY) WITH ACCURATE MARKED UP DRAWINGS SHOWING ALL JUNCTION BOXES, TERMINAL CABINETS, DEVICE LOCATIONS, WIRE ROUTING, ETC. FOR THE USE IN MAKING OF "RECORD DRAWINGS". FINAL PAYMENT WILL NOT BE AUTHORIZED UNTIL THE RECORD DOCUMENTS HAVE BEEN RECEIVED AND APPROVED.
5. CONDUIT ROUTING AND CONDUIT SIZE SHALL BE DETERMINED BY THE CONTRACTOR, IN CONJUNCTION WITH NFPA 70 (NEC), AND INDICATED ON THE RECORD DRAWINGS. CONDUIT FILL SHALL NOT EXCEED 40%.
6. PRIMARY POWER SOURCE (120VAC) TO FACE AND POWER SUPPLIES MUST BE ON A DEDICATED BRANCH CIRCUIT FROM THE EMERGENCY GENERATOR (IF APPLICABLE), WITH DISCONNECTING MEANS MARKED "FIRE ALARM CIRCUIT, CRITICAL". THE LOCATION OF THE DISCONNECT MUST BE IDENTIFIED ON ALL POWER SUPPLIES. ALL FIRE ALARM CIRCUIT BREAKERS MUST BE CLEARLY MARKED AND MECHANICALLY SECURED TO PREVENT ANY UNAUTHORIZED TAMPERING.
7. DEVICE POLARITY MUST BE OBSERVED ON ALL DC CIRCUITS (SLC), DC, NAC, AND AUXILIARY POWER).
8. ALL INITIATING AND NOTIFICATION CIRCUIT WIRING MUST BE SUPERVISED.
9. ALL WIRING, INCLUDING SHIELDS, MUST BE DRY AND FREE OF SHORTS AND GROUNDS.
10. INITIATING DEVICES SHALL BE SUPPORTED INDEPENDENTLY OF THERE ATTACHMENT TO FIRE ALARM CIRCUIT CONDUCTORS.
11. FIRE ALARM CIRCUITS SHALL BE IDENTIFIED AT TERMINAL AND JUNCTION LOCATIONS, IN A MANNER THAT WILL PREVENT UNINTENTIONAL INTERFERENCE WITH THE SIGNALING LINE CIRCUIT (SLC) DURING TESTING AND SERVICING (NEC ARTICLE 760-10).
12. SMOKE DETECTORS SHALL BE MOUNTED IN ACCORDANCE WITH NFPA 72. DETECTORS SHALL NOT BE LOCATED IN A DIRECT AIR FLOW NOR CLOSER THAN 3 FEET (1 METER) FROM AN AIR SUPPLY DIFFUSER OR RETURN AIR OPENING. FURTHER, DETECTORS SHALL NOT BE INSTALLED WITHIN 1 FOOT OF LIGHT FIXTURES.
13. DETECTORS SHALL NOT BE INSTALLED UNTIL AFTER THE CONSTRUCTION CLEANUP OF ALL TRADES IS COMPLETE AND FINAL.
14. ALL FIRE-ALARM DEVICES MUST BE INSTALLED IN A PROPER BACK BOX. NO DEVICE SHALL BE INSTALLED WITHOUT A BACK BOX.
15. POWER-LIMITED FIRE ALARM CIRCUIT CONDUCTORS AND CABLES (NEC ARTICLE 760-71) SHALL BE INSTALLED AS FOLLOWS:
  - A. IN RACWAY OR EXPOSED ON THE SURFACE OF CEILING AND SIDE WALLS OR "FISHED" IN CONCEALED SPACES. CABLE SPACES OR TERMINATIONS SHALL BE MADE IN LISTED FITTINGS, BOXES ENCLOSURES, FIRE ALARM DEVICES, OR UTILIZATION EQUIPMENT. WHERE INSTALLED EXPOSED, CABLES SHALL BE ADEQUATELY SUPPORTED AND INSTALLED IN SUCH A WAY THAT MAXIMUM PROTECTION AGAINST PHYSICAL DAMAGE IS ACHIEVED BY BUILDING CONSTRUCTION SUCH AS BASEBOARDS, DOOR FRAMES, LEDGES, ETC. WHERE LOCATED WITHIN 2 FEET (2.13 METERS) OF THE FLOOR, CABLES SHALL BE SECURELY FASTENED IN AN APPROVED MANNER AT INTERVALS OF NOT MORE THAN 18 INCHES.
  - B. IN METAL RACWAYS OR RIGID NONMETALLIC CONDUIT WHERE PASSING THROUGH A FLOOR OR WALL TO A HEIGHT OF 7 FEET (2.13 METERS) ABOVE THE FLOOR, UNLESS ADEQUATE PROTECTION CAN BE AFFORDED BY BUILDING CONSTRUCTION SUCH AS DETAILED IN (A) ABOVE, OR UNLESS A EQUIVALENT SLOD GUARD IS PROVIDED.
  - C. IN RIGID METAL CONDUIT, RIGID NONMETALLIC CONDUIT, INTERMEDIATE METAL CONDUIT, OR ELECTRICAL METALLIC TUBING WHERE INSTALLED IN WALLS. (EXCEPTION: AS PROVIDED IN NEC SECTION 620-71 FOR ELEVATORS AND SIMILAR EQUIPMENT)
16. ALL DEVICES SHALL BE LABELED WITH THEIR ADDRESS OR CIRCUIT NUMBER.

17. **POWER—LIMITED POWER CABLES AND CONDUCTORS SHALL NOT BE PLACED IN ANY CABLE, CABLE TRAY, COMPARTMENT, ENCLOSURE, OUTLET BOX, RACEWAY, OR SIMILAR FITTING WITH CONDUCTORS OF ELECTRIC LIGHT, POWER, CLASS 1 NONPOWER-LIMITED FIRE ALARM CIRCUIT CONDUCTORS, OR MEDIUM POWER NETWORK—POWER BOARD DATA COMMUNICATIONS CIRCUITS (SEE ARTICLE 760-54).**
18. **POWER—LIMITED CIRCUIT CONDUCTORS SHALL NOT BE STRAPPED, TAPED OR ATTACHED BY ANY MEANS TO THE EXTERIOR OF ANY CONDUIT OR OTHER RACEWAY AS A MEANS OF SUPPORT.**
19. **INITIATING DEVICE CIRCUITS (IDC) AND NOTIFICATION APPLIANCE CIRCUITS (NAC), ARE TWO WIRE CLASS "B". NO "T-TAPPING" IS ALLOWED ON ANY OF THESE CIRCUITS.**
20. **AUXILIARY POWER CIRCUITS ARE TWO WIRE CIRCUITS THAT CAN BE T-TAPPED AS REQUIRED.**
21. **SIGNALING LINE CIRCUITS (SLC) DESIGNATED AS CLASS "B" ARE TWO WIRE DATA COMMUNICATIONS CIRCUITS. T-TAPPING IS ALLOWED ONLY AT JUNCTION BOXES AND SLC DEVICES, BUT SHALL BE KEPT TO A MINIMUM.**
22. **SIGNALING LINE CIRCUITS (SLC) DESIGNATED AS CLASS "A" ARE TWO WIRE DATA COMMUNICATIONS CIRCUITS. NO T-TAPPING IS PERMITTED. THE OUTGOING AND RETURN CONDUITS OF A CLASS "A" CIRCUIT, EXTENDING FROM AND RETURNING TO THE CONTROL UNIT, RESPECTIVELY, MUST BE ROUTED SEPARATELY. THE OUTGOING AND RETURN (REDUNDANT) CIRCUIT CONDUCTORS SHALL NOT BE RUN IN THE SAME CABLE ASSEMBLY, ENCLOSURE, OR RACEWAY. THE OUTGOING AND RETURN CIRCUIT CONDUCTORS SHALL BE PERMITTED TO BE RUN IN THE SAME CABLE ASSEMBLY, ENCLOSURE, OR RACEWAY ONLY UNDER THE FOLLOWING CONDITIONS:**
  - **FOR A DISTANCE OF 10 FEET (3 METERS) WHERE THE OUTGOING AND RETURN CONDUITS ENTER OR EXIT THE INITIATING DEVICE, NOTIFICATION APPLIANCE, OR CONTROL UNIT ENCLOSURES.**
  - **SINGLE CONDUIT/RACEWAY DROPS (UNLIMITED LENGTHS) TO INDIVIDUAL DEVICES OR APPLIANCES.**
  - **SINGLE CONDUIT/RACEWAY DROPS TO MULTIPLE DEVICES OR APPLIANCES INSTALLED WITH A SINGLE ROOM NOT EXCEEDING 1000 FEET (92.9 METERS) IN AREA.**
23. **OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE-RESISTANT/RATED WALLS, PARTITIONS, FLOORS OR CEILINGS SHALL BE FIRE STOPPED USING APPROVED METHODS TO MAINTAIN THE FIRE RESISTANCE RATING.**

1. AT PROJECT CLOSEOUT, THE INSTALLING CONTRACTOR SHALL SUBMIT ONE SET OF RECORD PRINTS HAVING ALL CHANGES NEATLY TRANSFERRED FROM THE FIELD SET TO A NEW SET (USING RED PENCIL). A CLEAN SET OF SHOP DRAWINGS WILL BE PROVIDED FOR THIS PURPOSE. FINAL PAYMENT WILL NOT BE AUTHORIZED UNTIL THE RECORD DOCUMENTS HAVE BEEN RECEIVED AND APPROVED.

1. DRAWINGS ARE SCHEMATIC BY NATURE AND MAY NOT REFLECT EXACT FIELD LOCATIONS. AT PROJECT CLOSEOUT, THE INSTALLING CONTRACTOR SHALL SUBMIT ONE SET OF RECORD PRINTS HAVING ALL CHANGES NEATLY TRANSFERRED FROM THE FIELD SET TO A NEW SET. A CLEAN SET OF SHOP DRAWINGS WILL BE PROVIDED FOR THIS PURPOSE. FINAL PAYMENT WILL NOT BE AUTHORIZED UNTIL THE RECORD DOCUMENTS HAVE BEEN RECEIVED AND APPROVED.
2. EXISTING FIRE ALARM SYSTEM SHALL REMAIN, UNLESS NOTED OTHERWISE.
3. EXISTING FIRE SPRINKLER SYSTEM SHALL REMAIN, UNLESS NOTED OTHERWISE.

- ① EXISTING WALL TO BE DEMOLISHED.
- ② EXISTING STROBE TO BE DEMOLISHED. DEMOLISH ASSOCIATED WIRING, CABLE, CONDUIT ETC. BACK TO SOURCE.
- ③ EXISTING HORN/STROBE TO BE RELOCATED. EXTEND ASSOCIATED WIRING, CABLE, CONDUIT, ETC. FOR PROPER FUNCTION.
- ④ EXISTING HORN/STROBE TO REMAIN.
- ⑤ EXISTING SPRINKLER HEAD TO BE RELOCATED.
- ⑥ NEW WALL TO BE INSTALLED.
- ⑦ NEW DOOR TO BE INSTALLED.



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| PARTIAL FIRST FLOOR<br>FIRE PROTECTION PLAN |            |                   |      |  |  |  |  |  |  |
|---------------------------------------------|------------|-------------------|------|--|--|--|--|--|--|
| AS NOTED                                    | AS NOTED   | EXISTING IN       | 4.15 |  |  |  |  |  |  |
| INSTALL                                     | INSTALL    | SHOWN BY          | 4.15 |  |  |  |  |  |  |
| 12/17/2021                                  | 12/17/2021 | SHOWN BY          | 4.15 |  |  |  |  |  |  |
| DR                                          | DR         | PROJECT ECONOMIST | OW   |  |  |  |  |  |  |

DRAWING NUMBER:  
**FP10C**  
1 OF 1 SHEETS

FILE: 338656

LEE'S SUMMIT CITY HALL  
220 S.E. GREEN STREET  
LEE'S SUMMIT, MO 64063

CONFERENCE ROOM RENOVATION  
FIRE PROTECTION MODIFICATION

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