GEORGE WASHINGTON CARVER STATE OFFICE BUILDING REPLACE MULTIPLE ELECTRONIC SYSTEMS JEFFERSON CITY, MO

OWNER:

STATE OF MISSOURI MIKE KEHOE, GOVERNOR OFFICE OF ADMINISTRATION

PROJECT OFFICE OF ADMINISTRATION MANAGEMENT: DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION



DESIGNER: KLINGNER & ASSOCIATES, P.C.

PROJECT NUMBER: O2427-01

1010 SITE NUMBER:

3101010001 - GWC ASSET NUMBER:

SHEET NUMBER:



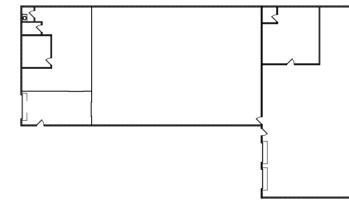
FIRE ALARM SYMBOLS

ARCM	AREA OF REFUGE EMERGENCY COMMUNICATION SYSTEM - MASTER UNIT
ARCR	AREA OF REFUGE EMERGENCY COMMUNICATION SYSTEM - REMOTE UNIT
BATT	BATTERY CABINET
DACT	DIGITAL ALARM COMMUNICATOR TRANSMITTER
FAA	FIRE ALARM ANNUNCIATOR
FACU	FIRE ALARM CONTROL UNIT
MFACU	MASTER FIRE ALARM CONTROL UNIT
MIC	REMOTE VOICE EVACUATION MICROPHONE
EVAC	VOICE EVACUATION CONTROL UNIT
M	MANUAL RELEASING STATION
	ADDRESSABLE INPUT MONITOR MODULE
	ADDRESSABLE INPUT/OUTPUT MONITOR MODULE; # DENOTES NUMBER OF INPUTS AND OUTPUTS
AOM	ADDRESSABLE OUTPUT MONITOR MODULE
	ISOLATION MODULE
	FLAME DETECTOR; ULTRAVIOLET/INFRARED, INFRARED, ULTRAVIOLET, VISIBLE RADIATION
	GAS DETECTOR; CARBON MONOXIDE, FUEL GAS
H R/F, F, R/C, R	HEAT DETECTOR; RATE-OF-RISE/FIXED TEMPERATURE, FIXED TEMPERATURE, RATE COMPENSATING, RATE-OF-RISE
$\langle H \rangle \rightarrow$	HEAT DETECTOR - LINE TYPE
WF	FLOW DETECTOR/SWITCH
PS	PRESSURE DETECTOR/SWITCH
VS	VALVE SUPERVISORY SWITCH
F	PULL STATION/FIRE ALARM BOX
S AS, I, P, R, BR, BT, SB	SMOKE DETECTOR/SENSOR; AIR SAMPLING, INFRARED, PHOTOELECTRIC, RELAY BASE, BEAM RECEIVER, BEAM TRANSMITTER, SOUNDER BASE
$\langle S \rangle$	SMOKE DETECTOR/SENSOR FOR DUCT COMBINATION SMOKE AND HEAT DETECTOR; x
x \S_H y xx dBA	DENOTES SMOKE DETECTOR TYPE, y DENOTES HEAT DETECTOR TYPE HORN; SOUND LEVEL xx
C F H ▼ xx W	C INDICATES CEILING MOUNTING (TYP.)
C S xx cd _ ▽_ yy dBA	SPEAKER; SOUND POWER xx
c	HORN/STROBE; VISIBLE INTENSITY xx, SOUND LEVEL yy
xx cd Vyy W C	SPEAKER/STROBE; VISIBLE INTENSITY xx, SOUND POWER yy
>xx	STROBE, WALL MOUNTED; VISIBLE INTENSITY xx
XX	STROBE, CEILING MOUNTED; VISIBLE INTENSITY xx
DCL	DOOR CLOSER
DH	DOOR HOLDER

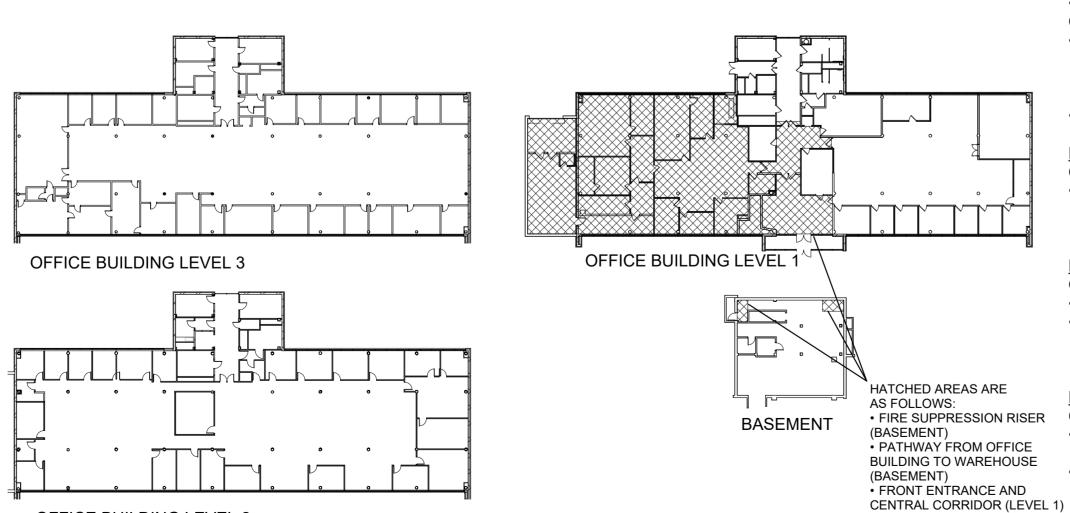
SHEET INDEX:

SHEET NUMBER	SHEET NAME	SHEET ISSUE DATE
G001	TITLE SHEET	06/17/25
G002	INDEX PAGE	06/17/25
FA100	FIRE ALARM PLANS - BASEMENT	06/17/25
FA101	FIRE ALARM PLANS - LEVEL 1	06/17/25
FA102	FIRE ALARM PLANS - LEVEL 2	06/17/25
FA103	FIRE ALARM PLANS - LEVEL 3	06/17/25
FA111	FIRE ALARM PLANS - WAREHOUSE	06/17/25
FA500	FIRE ALARM DETAILS	06/17/25



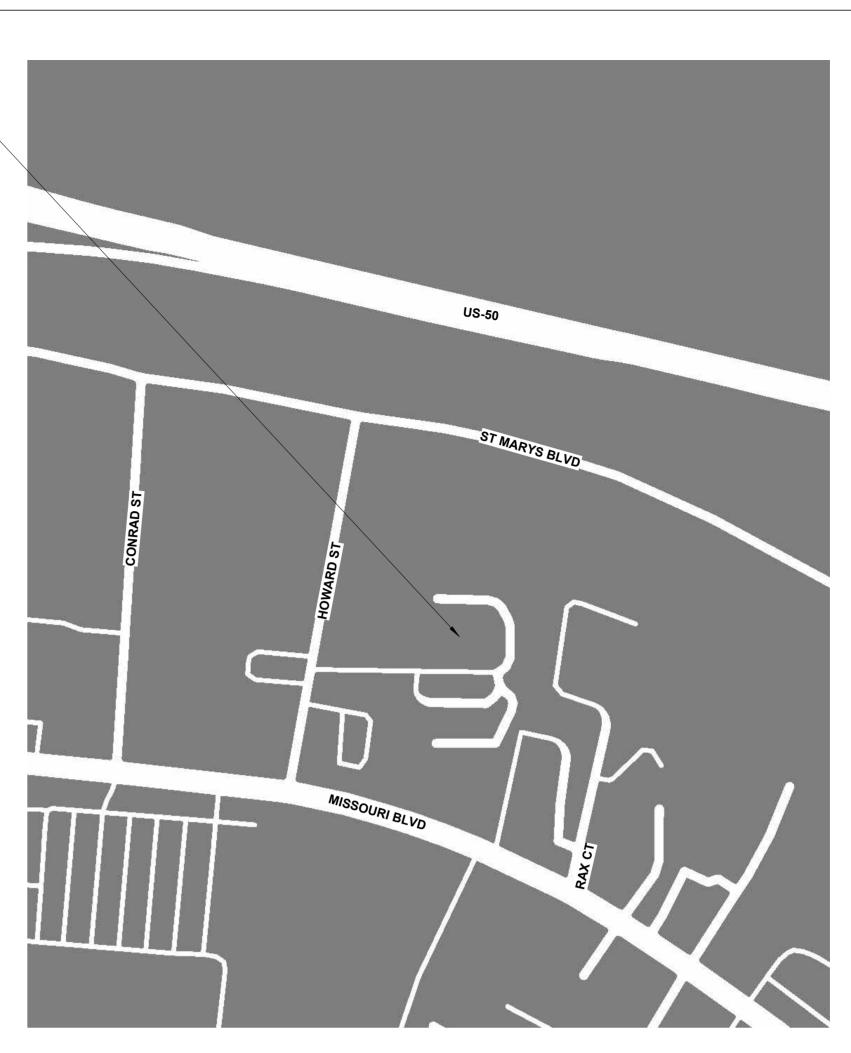


WAREHOUSE



OFFICE BUILDING LEVEL 2





WORK IS TO BE COMPLETED IN THE ORDER BELOW.

<u>PHASE 1</u> WAREHOUSE BUILDING:

- DEMOLISH ALL FIRE ALARM COMPONENTS AND WIRING.
- PERFORM FIRE WATCH WHILE FIRE ALARM SYSTEM IS OFFLINE. • INSTALL NEW AND REPLACED FIRE ALARM COMPONENTS AND WIRING AND POWER.

OFFICE BUILDING:

- DEMOLISH ALL FIRE ALARM COMPONENTS AND DIALER. DEMOLISH INITIATING DEVICES AND NOTIFICATION APPLIANCES IN THE HATC AREAS OF LEVEL 1 AND BASEMENT PRIOR TO DEMOLITION OF INITIATING DEVICES AND NOTIFICATION APPLIANCES IN OTHER AR
- PERFORM FIRE WATCH WHILE FIRE ALARM SYSTEM IS OFFLINE. • COORDINATE WITH CEILING REPLACEMENT (UNDER SEPARATE CONTRACT) AND PERFORM WALL DEMOLITION ONCE CEILINGS AR
- DEMOLISHED.

<u>PHASE 2</u> WAREHOUSE:

• START UP NEW FIRE ALARM SYSTEM.

- OFFICE BUILDING:
- ROUGH-IN AND WIRE ALL INITIATING DEVICES, NOTIFICATION APPLIANCES, FIRE ALARM CONTROL UNIT, AND DIALER. ROUGH-IN WIRING IN HATCHED AREAS BEFORE STARTING ROUGHING-IN AND
- WIRING IN OTHER AREAS. • FIRE WATCH TO CONTINUE WHILE FIRE ALARM SYSTEM IS OFFLIN

PHASEE 3 OFFICE BUILDING:

• INSTALL FIRE ALARM CONTROL UNIT AND DIALER. INSTALL INITIAT DEVICES AND NOTIFICATION APPLIANCES IN HATCHED AREA WHEI CEILINGS (UNDER SEPARATE CONTRACT) ARE IN PLACE.

PHASE 4

- OFFICE BUILDING: • START UP FIRE ALARM SYSTEM.
- INSTALL INITIATING DEVICES AND NOTIFICATION APPLIANCES IN REMAINING AREAS AND INSTALL AREA OF REFUGE COMMUNICATI SYSTEM.

PHASE 5

 ALL WEIGHTS AND MEASURES OFFICES AND LABS (LEVEL 1)

- OFFICE BUILDING: ADD REMAINING INITIATING DEVICES AND NOTIFICATION APPLIANCE TO FIRE ALARM SYSTEM.
- START UP AREA OF REFUGE COMMUNICATION SYSTEM.

PROPOSED WORK SEQUENCE (NTS)

PROJECT ADDRESS:

GEORGE WASHINGTON CARVER STATE OFFICE BUILDING 1616 MISSOURI BLVD JEFFERSON CITY, MO 65109

C	1. APPLICABLE STANDARDS: NFPA-70, NFPA-101, STATE BUILDING CODES, AND THE
	OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) OF 1971 AND ALL AMENDMENTS
	THERETO; EQUIPMENT, DEVICES, APPARATUS, SYSTEMS, AND INSTALLATIONS SHALL BE
	ENTIRELY SUITABLE AND SAFE FOR EACH INTENDED APPLICATION AND BE IN FULL
	COMPLIANCE WITH APPLICABLE STANDARDS, REQUIREMENTS, RULES, REGULATIONS, CODES, STATUTES, ORDINANCES, ETC., OF MUNICIPAL, COUNTY, AND STATE
	GOVERNMENTS, OWNER'S INSURANCE COMPANY, LOCAL UTILITIES, AND LABOR
	REGULATIONS. NOTHING CONTAINED IN THESE PLANS AND SPECIFICATIONS SHALL BE
	CONSTRUED TO CONFLICT WITH THESE LAWS, CODES, AND ORDINANCES.
	2. DRAWINGS ARE SCHEMATIC AND SHOW APPROXIMATE LOCATIONS OF ELECTRICAL
	EQUIPMENT. EXACT LOCATIONS SHALL BE COORDINATED BY THE CONTRACTOR AND
	VERIFIED IN THE FIELD PRIOR TO ROUGH-IN. 3. INSTALLATIONS WHICH INCLUDE ELECTRICAL FIXTURES, DEVICES, CONDUIT, SWITCHES,
	PANELS, HANGERS, WIRE, CABLE, STANDARDS, ETC., MUST BE ENTIRELY SUITABLE FOR
	TEMPERATURES, HUMIDITY, DAMP AREAS, VOLTAGE, FREQUENCY, AND ALL INSTALLATION
	CONDITIONS ENCOUNTERED.
	4. INSTALLATION MUST BE ENTIRELY SAFE IN EVERY RESPECT, AND MUST NOT CREATE ANY
	CONDITIONS OF ANY KIND WHICH WILL BE HARMFUL TO ANY OCCUPANT OF THE BUILDING.
	IF CONTRACTOR BELIEVES THAT INSTALLATION WILL NOT BE SAFE FOR ALL PEOPLE, HE/SHE SHALL SO REPORT IN WRITING TO ENGINEER BEFORE ANY EQUIPMENT IS
	PURCHASED OR WORK IS INSTALLED, GIVING EXACT RECOMMENDATIONS, AND REASONS
	FOR THEM.
	5. GROUNDING: ALL GROUNDING SHALL BE IN STRICT ACCORDANCE WITH THE LATEST
	EDITION OF THE NATIONAL ELECTRICAL CODE (NEC).
	 INSTALLATION OF ELECTRICAL DEVICES SHALL BE COORDINATED WITH OTHER TRADES AS NECESSARY TO PREVENT ANY CONFLICTS DURING CONSTRUCTION.
	7. LOW VOLTAGE CONDUIT AND JUNCTION BOXES SHALL BE INSTALLED BY THE
	CONTRACTOR.
	8. WHERE WALL MOUNTED FIRE ALARM DEVICE LOCATIONS ARE INDICATED INSTALL 1" EMT
	FROM OUTLET BOX (4"X4"X1-1/2"MIN.) TO TOP OF FINISHED WALL (ABOVE ACT CEILING). FOR
	OUTLETS LOCATED IN SURFACE MOUNTED RACEWAY, PROVIDE (2) 1" EMT FROM SURFACE
	RACEWAY BACK BOX TO ABOVE ACT CEILING. 9. LIGHTING: FURNISH AND INSTALL ALL LIGHTING FIXTURES COMPLETE WITH LAMPS IN
	ACCORDANCE WITH THE LIGHTING FIXTURE SCHEDULE SHOWN ON THE DRAWINGS. ALL
	UNITS SHALL BE COMPLETE WITH SUSPENSION ACCESSORIES, CANOPIES, SOCKETS,
	LOUVERS, FRAMES, AND ROUGH-IN BOXES, WIRED AND ASSEMBLED TO FURNISH A
	COMPLETE WORKABLE SYSTEM.
	10. EQUIPMENT GROUNDING CONDUCTORS SHALL BE PULLED WITH ALL BRANCH CIRCUITS.
	CONDUIT SHALL NOT BE USED AS A GROUND U.N.O. 11. CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS, ACCESSORIES, TOOLS,
	EQUIPMENT, TRANSPORTATION, LABOR, SERVICES AND OPERATIONS NECESSARY FOR A
	COMPLETE ELECTRICAL SYSTEM.
	12. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND ARRANGE FOR ALL
	INSPECTIONS REQUIRED BY STATE OR LOCAL AUTHORITIES.
	13. MATERIALS MUST BE NEW, IN FIRST CLASS CONDITION.
	14. CONDUIT SHALL BE SEPARATELY HUNG AND ANCHORED, FREE TO EXPAND AND CONTRACT QUIETLY, WITHOUT IMPOSING STRAINS ON STRUCTURE, DEVICES, AND
	EQUIPMENT. CONDUIT SHALL BE RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES.

STATE OF MISSOURI MIKE KEHOE, GOVERNOR



RYAN M. STONECIPHER MO # PE-2013000634



OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSTRUCTION**

REPLACE MULTIPLE ELECTRONIC SYSTEMS

GEORGE WASHINGTON CARVER STATE OFFICE BUILDING

1616 MISSOURI BLVD JEFFERSON CITY, MO 65109

PROJECT #	O2427-01
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ASSET #	310101000

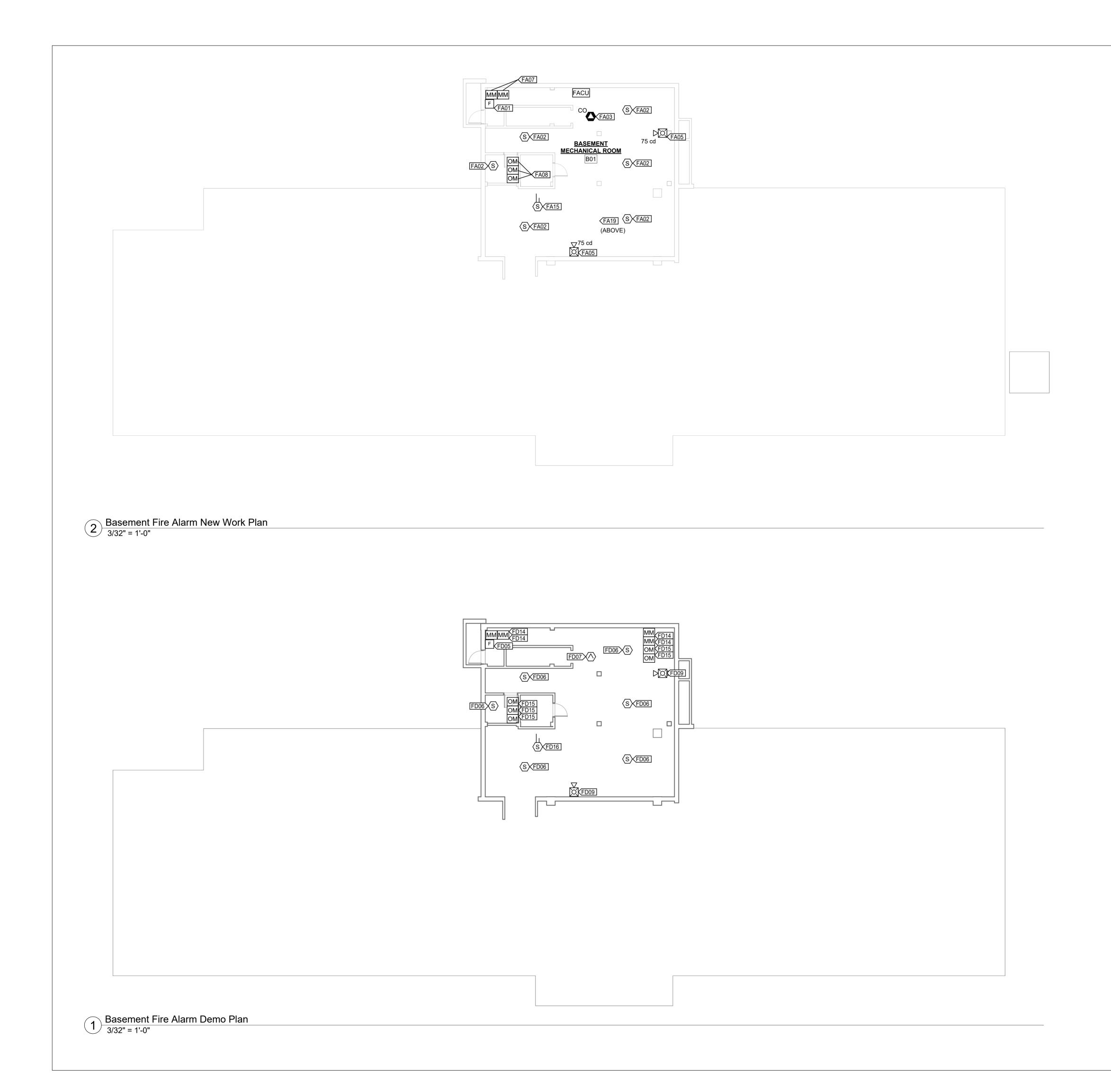
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DATE:
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DATE:
ISSUE DATE:06/17/25

CAD DWG FILE: DRAWING BY: RMS CHECKED BY: -GCS-DESIGNED BY: RMS

SHEET TITLE: **INDEX PAGE**

SHEET NUMBER:

G002 SHEET 2 OF 8 JUNE 17, 2025



VALUE	DESCRIPTION
FA01	PROVIDE AND INSTALL MANUAL FIRE ALARM BOX IN LOCATION OF DEMOLISHED MANUAL FIRE ALARM BOX.
FA02	PROVIDE AND INSTALL SMOKE DETECTOR IN LOCATION OF DEMOLISHED SMOKE DETECTOR.
FA03	PROVIDE AND INSTALL NEW CARBON MONOXIDE DETECTOR IN LOCATION OF DEMOLISHED FLAME DETECTOR.
FA05	PROVIDE AND INSTALL NEW NOTIFICATION APPLIANCE IN LOCATION OF DEMOLISHED NOTIFICATION APPLIANCE.
FA07	PROVIDE AND INSTALL MONITOR MODULE IN LOCATION OF DEMOLISHED MONITOR MODULE.
FA08	PROVIDE AND INSTALL NEW OUTPUT MODULE IN LOCATION OF DEMOLISHED OUTPUT MODULE.
FA15	PROVIDE AND INSTALL NEW ANALOG ADDRESSABLE DUCT SMOKE DETECTOR. COORDINATE WITH HVAC REPLACEMENT PROJECT (UNDER SEPARATE CONTRACT).
FA19	ROUTE WIRING BETWEEN FLOORS THROUGH EXISTING DATA CONDUITS IN TELECOMMUNICATIONS CLOSETS IN THIS AREA.

STATE OF MISSOURI MIKE KEHOE, GOVERNOR



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REPLACE MULTIPLE

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GEORGE WASHINGTON

CARVER STATE OFFICE

1616 MISSOURI BLVD

PROJECT # 02427-01

ASSET # 3101010001

JEFFERSON CITY, MO 65109

1010

BUILDING

SITE #

GENERAL DEMOLITION NOTES:

1. DEMOLISH ALL SIGNALING LINE CIRUCIT AND NOTIFICATION APPLIANCE CIRCUIT WIRING ASSOCIATED WITH FIRE ALARM SYSTEM BEING DEMOLISHED. 2. FIRE ALARM RACEWAYS AND BOXES MAY REMAIN FOR REUSE WITH NEW FIRE ALARM

WIRING. 3. FIRE ALARM RACEWAYS AND BOXES NOT BEING REUSED SHALL BE DEMOLISHED.

DEMOLITION KEYNOTES LEGEND

VALUE	DESCRIPTION	
FD05	DEMOLISH MANUAL FIRE ALARM BOX. BOX AND RACEWAY SHALL REMAIN FOR REUSE.	
FD06	DEMOLISH SMOKE DETECTOR. BOX AND RACEWAY SHALL REMAIN FOR REUSE.	
FD07	DEMOLISH FLAME DETECTOR. BOX AND RACEWAY SHALL REMAIN FOR REUSE.	
FD09	DEMOLISH NOTIFICATION APPLIANCE. BOX AND RACEWAY SHALL REMAIN FOR REUSE.	
FD14	DEMOLISH MONITOR MODULE.	
FD15	DEMOLISH OUTPUT MODULE.	
FD16	DEMOLISH DUCT SMOKE DETECTOR.	

REVISION: DATE: **REVISION:** DATE: **REVISION:** DATE:

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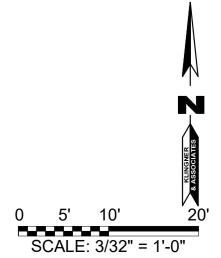
SHEET TITLE:

FIRE ALARM PLANS -BASEMENT

SHEET NUMBER:



SHEET 3 OF 8 JUNE 17, 2025





VALUE	DESCRIPTION
FA01	PROVIDE AND INSTALL MANUAL FIRE ALARM BOX IN LOCATION OF DEMOLISHED MANUAL FIRE ALARM BOX.
FA02	PROVIDE AND INSTALL SMOKE DETECTOR IN LOCATION OF DEMOLISHED SMOKE DETECTOR.
FA04	PROVIDE AND INSTALL COMBINATION SMOKE/HEAT DETECTOR FOR SMOKE DOOR CONTROL.
FA05	PROVIDE AND INSTALL NEW NOTIFICATION APPLIANCE IN LOCATION OF DEMOLISHED NOTIFICATION APPLIANCE.
FA08	PROVIDE AND INSTALL NEW OUTPUT MODULE IN LOCATION OF DEMOLISHED OUTPUT MODULE.
FA09	CONNECT NEW FIRE ALARM SYSTEM TO EXISTING DOOR HOLDER.
FA11	PROVIDE AND INSTALL NEW FIRE ALARM ANNUNCIATOR.
FA13	PROVIDE AND INSTALL NEW AREA OF REFUGE CONTROL PANEL ADJACENT TO FIRE ALARM ANNUNCIATOR.
FA16	PROVIDE 4 FT OF EXTRA WIRING, COILED ABOVE CEILING, FOR FUTURE RELOCATION OF CEILING MOUNTED FIRE ALARM DEVICES DUE TO CEILING CHANGES IN SEPARATE PROJECT BY OTHERS.
FA17	PROVIDE AND INSTALL NEW SURFACE-MOUNTED MANUAL FIRE ALARM BOX. ROUTE NEW CONDUIT AND CONDUCTORS UP WALL AND EXTEND TO EXISTING JUNCTION BOX SERVING DEMOLISHED, INACCESSIBLE MANUAL FIRE ALARM BOX.
FA19	ROUTE WIRING BETWEEN FLOORS THROUGH EXISTING DATA CONDUITS IN TELECOMMUNICATIONS CLOSETS IN THIS AREA.
FA20	PROVIDE AND INSTALL NEW STROBE FOR NOTIFICATION OF ALARM, TROUBLE, OR SUPERVISORY SIGNAL FROM WAREHOUSE. THIS DEVICE SHALL BE WHITE INSTEAD OF REE SHALL NOT BEAR THE LABEL "FIRE", AND SHALL HAVE A PLACARD MOUNTED AT 54" AFF READING: "WAREHOUSE FIRE ALARM SYSTEM". ROUTE WIRING FOR NOTIFICATION APPLIANCE CIRCUIT DOWN INTO BASEMENT, THROUGH EXISTING CONDUIT TO WAREHOUSE, AND CONNECT TO NOTIFICATION APPLIANCE CIRCUIT IN WAREHOUSE.

GENERAL DEMOLITION NOTES:

 DEMOLISH ALL SIGNALING LINE CIRUCIT AND NOTIFICATION APPLIANCE CIRCUIT WIRING ASSOCIATED WITH FIRE ALARM SYSTEM BEING DEMOLISHED.
 FIRE ALARM RACEWAYS AND BOXES MAY REMAIN FOR REUSE WITH NEW FIRE ALARM

WIRING. 3. FIRE ALARM RACEWAYS AND BOXES NOT BEING REUSED SHALL BE DEMOLISHED.

DEMOLITION KEYNOTES LEGEND

VALUE	DESCRIPTION
FD01	DEMOLISH EXISTING FIRE ALARM CONTROL PANEL. REFER TO PHASING PLAN ON SHEET G002.
FD05	DEMOLISH MANUAL FIRE ALARM BOX. BOX AND RACEWAY SHALL REMAIN FOR REUSE.
FD08	DEMOLISH COMBINATION SMOKE/HEAT DETECTOR.
FD09	DEMOLISH NOTIFICATION APPLIANCE. BOX AND RACEWAY SHALL REMAIN FOR REUSE.
FD10	DEMOLISH NOTIFICATION APPLIANCE. PROVIDE AND INSTALL BLANK PLATE TO COVER BOX
FD13	DEMOLISH FIRE ALARM ANNUNCIATOR PANEL.
FD17	DEMOLISH SMOKE DETECTOR.
FD18	DEMOLISH MANUAL FIRE ALARM BOX. PROVIDE AND INSTALL BLANK PLATE TO COVER BOX.
FD19	CREATE NEW OPENING IN WALL FOR WIRING. REFER TO FIRESTOP DETAILS ON SHEET FA500.
FD20	DEMOLISH DOOR HOLDER OUTPUT MODULE. DOOR HOLDER, BOX AND RACEWAY SHALL REMAIN FOR REUSE.

STATE OF MISSOURI MIKE KEHOE, GOVERNOR



RYAN M. STONECIPHER MO # PE-2013000634



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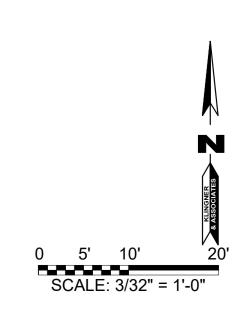
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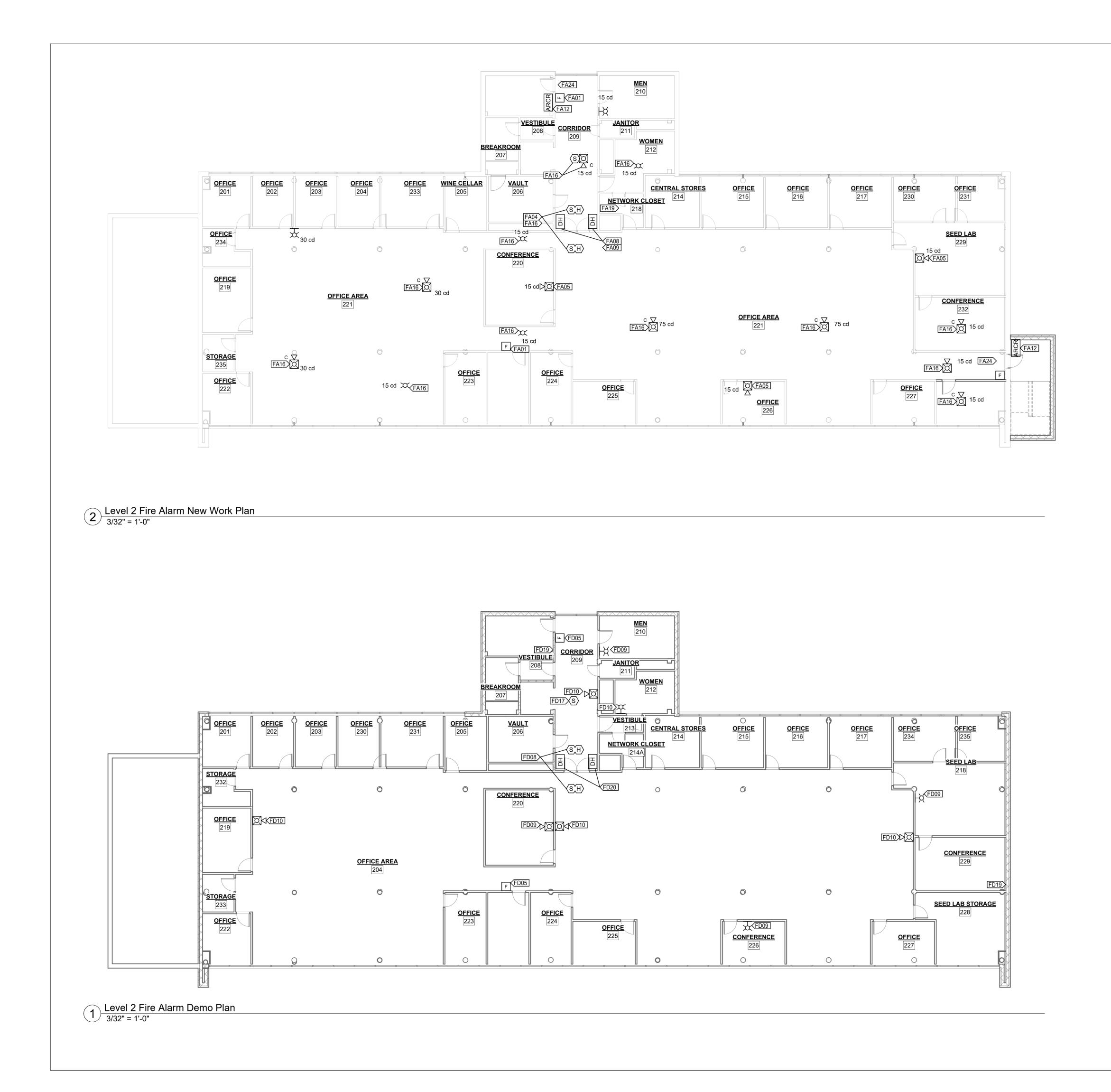
FIRE ALARM PLANS -LEVEL 1





JUNE 17, 2025





I	VALUE	DESCRIPTION
	FA01	PROVIDE AND INSTALL MANUAL FIRE ALARM BOX IN LOCATION OF DEMOLISHED MANUAL FIRE ALARM BOX.
	FA04	PROVIDE AND INSTALL COMBINATION SMOKE/HEAT DETECTOR FOR SMOKE DOOR CONTROL.
	FA05	PROVIDE AND INSTALL NEW NOTIFICATION APPLIANCE IN LOCATION OF DEMOLISHED NOTIFICATION APPLIANCE.
	FA08	PROVIDE AND INSTALL NEW OUTPUT MODULE IN LOCATION OF DEMOLISHED OUTPUT MODULE.
I	FA09	CONNECT NEW FIRE ALARM SYSTEM TO EXISTING DOOR HOLDER.
	FA12	PROVIDE AND INSTALL NEW AREA OF REFUGE COMMUNICATION REMOTE UNIT IN STAIRWELL.
	FA16	PROVIDE 4 FT OF EXTRA WIRING, COILED ABOVE CEILING, FOR FUTURE RELOCATION OF CEILING MOUNTED FIRE ALARM DEVICES DUE TO CEILING CHANGES IN SEPARATE PROJECT BY OTHERS.
	FA19	ROUTE WIRING BETWEEN FLOORS THROUGH EXISTING DATA CONDUITS IN TELECOMMUNICATIONS CLOSETS IN THIS AREA.
	FA24	PROVIDE AND INSTALL NEW AREA OF REFUGE SIGN (2 SIDED, LIGHTED, WITH BATTERY BACKUP) ADJACENT TO EXIT SIGN. POWER THROUGH SAME CIRCUIT AS EXIT SIGN.

GENERAL DEMOLITION NOTES:

 DEMOLISH ALL SIGNALING LINE CIRUCIT AND NOTIFICATION APPLIANCE CIRCUIT WIRING ASSOCIATED WITH FIRE ALARM SYSTEM BEING DEMOLISHED.
 FIRE ALARM RACEWAYS AND BOXES MAY REMAIN FOR REUSE WITH NEW FIRE ALARM WIRING.

3. FIRE ALARM RACEWAYS AND BOXES NOT BEING REUSED SHALL BE DEMOLISHED.

DEMOLITION KEYNOTES LEGEND

VALUE	DESCRIPTION
FD05	DEMOLISH MANUAL FIRE ALARM BOX. BOX AND RACEWAY SHALL REMAIN FOR REUSE.
FD08	DEMOLISH COMBINATION SMOKE/HEAT DETECTOR.
FD09	DEMOLISH NOTIFICATION APPLIANCE. BOX AND RACEWAY SHALL REMAIN FOR REUSE.
FD10	DEMOLISH NOTIFICATION APPLIANCE. PROVIDE AND INSTALL BLANK PLATE TO COVER BOX
FD17	DEMOLISH SMOKE DETECTOR.
FD19	CREATE NEW OPENING IN WALL FOR WIRING. REFER TO FIRESTOP DETAILS ON SHEET FA500.
FD20	DEMOLISH DOOR HOLDER OUTPUT MODULE. DOOR HOLDER, BOX AND RACEWAY SHALL REMAIN FOR REUSE.

STATE OF MISSOURI MIKE KEHOE, GOVERNOR



RYAN M. STONECIPHER MO # PE-2013000634



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SHEET TITLE:

FIRE ALARM PLANS -LEVEL 2



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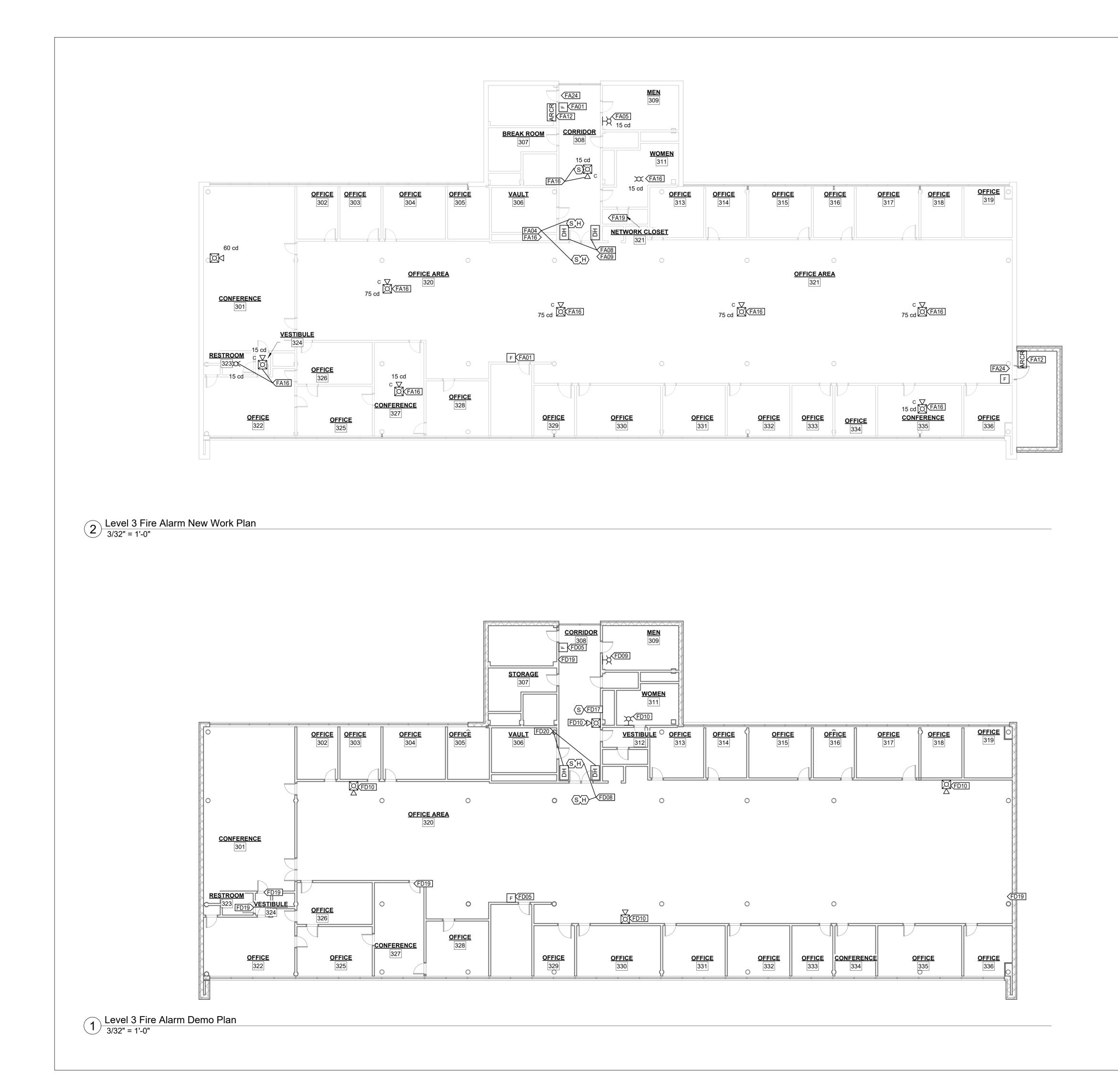
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0 5' 10'

SCALE: 3/32" = 1'-0"



JUNE 17, 2025



I	VALUE	DESCRIPTION
	FA01	PROVIDE AND INSTALL MANUAL FIRE ALARM BOX IN LOCATION OF DEMOLISHED MANUAL FIRE ALARM BOX.
	FA04	PROVIDE AND INSTALL COMBINATION SMOKE/HEAT DETECTOR FOR SMOKE DOOR CONTROL.
	FA05	PROVIDE AND INSTALL NEW NOTIFICATION APPLIANCE IN LOCATION OF DEMOLISHED NOTIFICATION APPLIANCE.
	FA08	PROVIDE AND INSTALL NEW OUTPUT MODULE IN LOCATION OF DEMOLISHED OUTPUT MODULE.
I	FA09	CONNECT NEW FIRE ALARM SYSTEM TO EXISTING DOOR HOLDER.
	FA12	PROVIDE AND INSTALL NEW AREA OF REFUGE COMMUNICATION REMOTE UNIT IN STAIRWELL.
	FA16	PROVIDE 4 FT OF EXTRA WIRING, COILED ABOVE CEILING, FOR FUTURE RELOCATION OF CEILING MOUNTED FIRE ALARM DEVICES DUE TO CEILING CHANGES IN SEPARATE PROJECT BY OTHERS.
	FA19	ROUTE WIRING BETWEEN FLOORS THROUGH EXISTING DATA CONDUITS IN TELECOMMUNICATIONS CLOSETS IN THIS AREA.
	FA24	PROVIDE AND INSTALL NEW AREA OF REFUGE SIGN (2 SIDED, LIGHTED, WITH BATTERY BACKUP) ADJACENT TO EXIT SIGN. POWER THROUGH SAME CIRCUIT AS EXIT SIGN.

GENERAL DEMOLITION NOTES:

 DEMOLISH ALL SIGNALING LINE CIRUCIT AND NOTIFICATION APPLIANCE CIRCUIT WIRING ASSOCIATED WITH FIRE ALARM SYSTEM BEING DEMOLISHED.
 FIRE ALARM RACEWAYS AND BOXES MAY REMAIN FOR REUSE WITH NEW FIRE ALARM WIRING.

3. FIRE ALARM RACEWAYS AND BOXES NOT BEING REUSED SHALL BE DEMOLISHED.

DEMOLITION KEYNOTES LEGEND

VALUE	DESCRIPTION
FD05	DEMOLISH MANUAL FIRE ALARM BOX. BOX AND RACEWAY SHALL REMAIN FOR REUSE.
FD08	DEMOLISH COMBINATION SMOKE/HEAT DETECTOR.
FD09	DEMOLISH NOTIFICATION APPLIANCE. BOX AND RACEWAY SHALL REMAIN FOR REUSE.
FD10	DEMOLISH NOTIFICATION APPLIANCE. PROVIDE AND INSTALL BLANK PLATE TO COVER BOX
FD17	DEMOLISH SMOKE DETECTOR.
FD19	CREATE NEW OPENING IN WALL FOR WIRING. REFER TO FIRESTOP DETAILS ON SHEET FA500.
FD20	DEMOLISH DOOR HOLDER OUTPUT MODULE. DOOR HOLDER, BOX AND RACEWAY SHALL REMAIN FOR REUSE.

STATE OF MISSOURI MIKE KEHOE, GOVERNOR

NUMBER PE-2013000634

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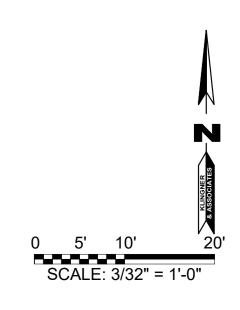
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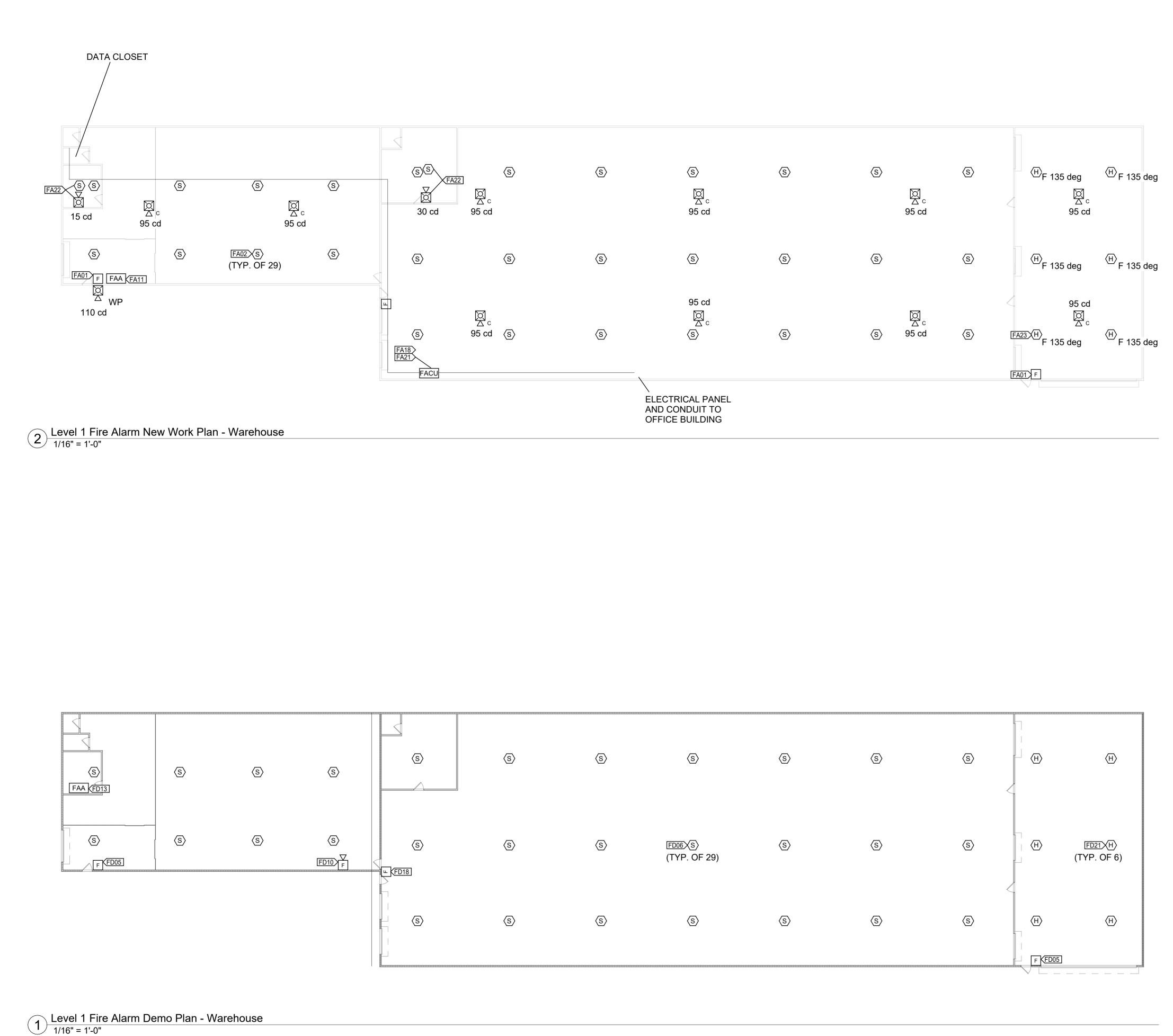
FIRE ALARM PLANS -LEVEL 3





JUNE 17, 2025





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S	FD06XS (TYP. OF 29)	S	S	S	H	(TYP. OF 6)
s	s	s	s	s	(H)	H
					F (FD05	

VALUE	DESCRIPTION
FA01	PROVIDE AND INSTALL MANUAL FIRE ALARM BOX IN LOCATION OF DEMOLISHED MANUAL FIRE ALARM BOX.
FA02	PROVIDE AND INSTALL SMOKE DETECTOR IN LOCATION OF DEMOLISHED SMOKE DETECTOR.
FA11	PROVIDE AND INSTALL NEW FIRE ALARM ANNUNCIATOR.
FA18	NEW DIALER PROVIDED BY CAPITOL POLICE, INSTALLED BY CONTRACTOR. PROVIDE AND INSTALL PLENUM RATED CAT5E CABLE IN 1/2" CONDUIT TO DATA CLOSET. PROVIDE AND INSTALL (3) OUTPUT MODULES TO TRANSMIT ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO CAPITOL POLICE CENTRAL STATION MONITORING.
FA21	NEW FIRE ALARM CONTROL PANEL. POWER THROUGH NEW 20-1 BREAKER IN EXISTING 120 V BRANCH CIRCUIT PANEL APPROXIMATELY 65' EAST OF FIRE ALARM PANEL. ROUTE NEW WIRING FOR SIGNALING LINE CIRCUITS AND NOTIFICATION APPLIANCE CIRCUITS UP WALL TO STRUCTURE ABOVE IN CONDUIT.
FA22	PROVIDE AND INSTALL NEW SMOKE DETECTOR AND HORN/STROBE IN OFFICE. ROUTE WIRING UP TO ROOF STRUCTURE ABOVE IN CONDUIT.
FA23	PROVIDE AND INSTALL NEW HEAT DETECTOR IN LOCATION OF DEMOLISHED HEAD DETECTOR.

GENERAL NEW WORK NOTES:

1. NEW NOTIFICATION APPLIANCES IN OPEN WAREHOUSE AREAS AND NEW RACEWAYS FOR ALL SIGNALING LINE CIRCUIT AND NOTIFICATION APPLIANCE CIRCUIT WIRING SHALL BE SURFACE MOUNTED TO THE BOTTOM OF THE EXISTING STRUCTURAL ROOF MEMBERS.

GENERAL DEMOLITION NOTES:

1. DEMOLISH ALL SIGNALING LINE CIRUCIT AND NOTIFICATION APPLIANCE CIRCUIT WIRING ASSOCIATED WITH FIRE ALARM SYSTEM BEING DEMOLISHED. 2. FIRE ALARM RACEWAYS AND BOXES MAY REMAIN FOR REUSE WITH NEW FIRE ALARM

WIRING. 3. FIRE ALARM RACEWAYS AND BOXES NOT BEING REUSED SHALL BE DEMOLISHED.

DEMOLITION KEYNOTES LEGEND

VALUE	DESCRIPTION
FD05	DEMOLISH MANUAL FIRE ALARM BOX. BOX AND RACEWAY SHALL REMAIN FOR REUSE.
FD06	DEMOLISH SMOKE DETECTOR. BOX AND RACEWAY SHALL REMAIN FOR REUSE.
FD10	DEMOLISH NOTIFICATION APPLIANCE. PROVIDE AND INSTALL BLANK PLATE TO COVER BOX
FD13	DEMOLISH FIRE ALARM ANNUNCIATOR PANEL.
FD18	DEMOLISH MANUAL FIRE ALARM BOX. PROVIDE AND INSTALL BLANK PLATE TO COVER BOX.
FD21	DEMOLISH HEAT DETECTOR. BOX AND RACEWAY SHALL REMAIN FOR REUSE.

STATE OF MISSOURI MIKE KEHOE, GOVERNOR



RYAN M. STONECIPHER MO # PE-2013000634



OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSTRUCTION**

REPLACE MULTIPLE ELECTRONIC SYSTEMS

GEORGE WASHINGTON CARVER STATE OFFICE BUILDING

1616 MISSOURI BLVD JEFFERSON CITY, MO 65109

PROJECT #	O2427-01
SITE #	1010
ASSET #	310101000

REVISION:

DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE:06/17/25

CAD DWG FILE: DRAWING BY: <u>RMS</u> CHECKED BY: <u>-GCS-</u> DESIGNED BY: RMS

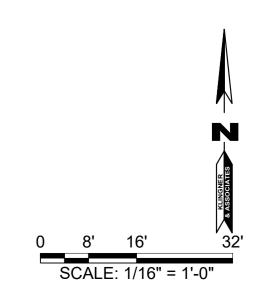
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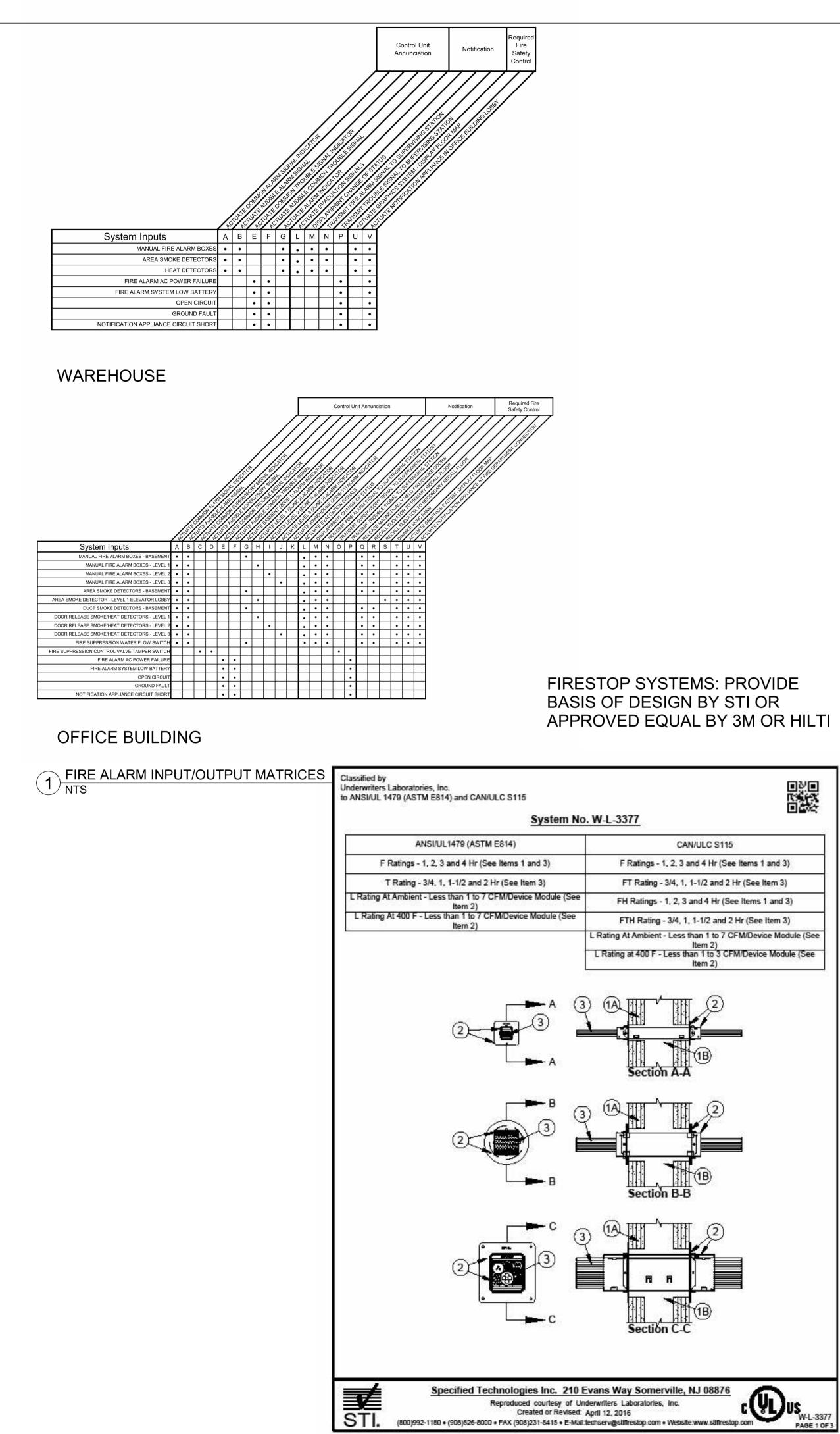
FIRE ALARM PLANS -WAREHOUSE

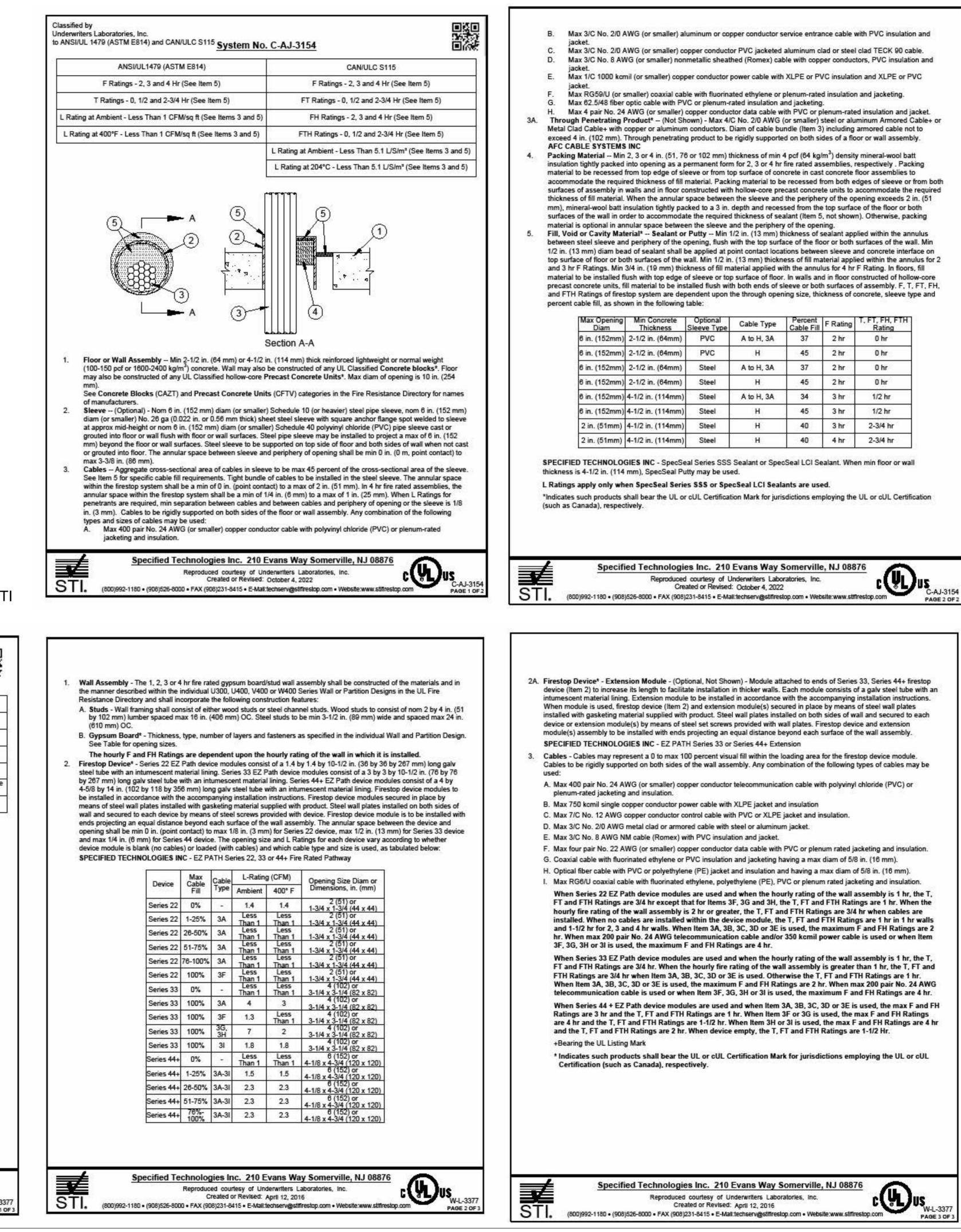
SHEET NUMBER:



SHEET 7 OF 8 JUNE 17, 2025







STI.

PAGE 2 OF

Max Opening Diam	Min Concrete Thickness	Optional Sleeve Type	Cable Type	Percent Cable Fill	F Rating	T, FT, FH, FTH Rating
6 in. (152mm)	2-1/2 in. (64mm)	PVC	A to H, 3A	37	2 hr	0 hr
6 in. (152mm)	2-1/2 in. (64mm)	PVC	н	45	2 hr	0 hr
6 in. (152mm)	2-1/2 in. (64mm)	Steel	A to H, 3A	37	2 hr	0 hr
6 in. (152mm)	2-1/2 in. (64mm)	Steel	н	45	2 hr	0 hr
6 in. (152mm)	4-1/2 in. (114mm)	Steel	A to H, 3A	34	3 hr	1/2 hr
6 in. (152mm)	4-1/2 in. (114mm)	Steel	н	45	3 hr	1/2 hr
2 in. (51mm)	4-1/2 in. (114mm)	Steel	н	40	3 hr	2-3/4 hr
2 in. (51mm)	4-1/2 in. (114mm)	Steel	н	40	4 hr	2-3/4 hr

Created or Revised: April 12, 2016 (800)992-1180 • (908)526-8000 • FAX (908)231-8415 • E-Mail:techserv@stiffrestop.com • Website:www.stiffrestop.com





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FIRE ALARM DETAILS

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PAGE 3 OF

