

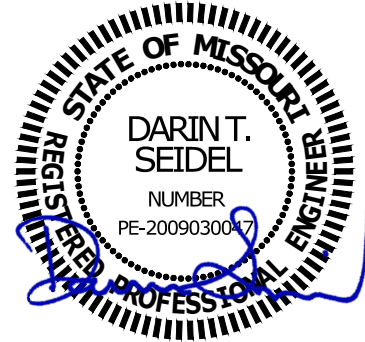
FIRE ALARM SYSTEM FOR:

WHATABURGER

1450 NE DOUGLAS ST.

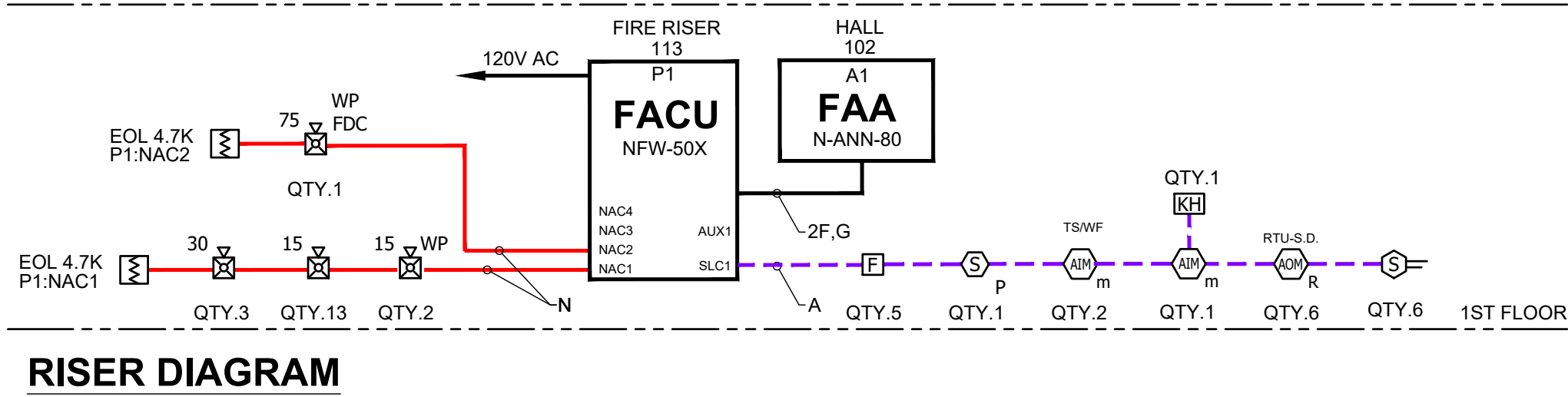
LEE SUMMIT, MISSOURI 64086

6/10/2021



FIRE ALARM SYMBOL LEGEND		
SYMBOL	DESCRIPTION	PART NUMBER
	FIRE ALARM CONTROL UNIT	NFW-50X
	ANNUNCIATOR	N-ANN-80
	INTELLIGENT ADDRESSABLE PHOTO DETECTOR	NP-200
	INNOVAIRFLEX INTELLIGENT DUCT DETECTOR HOUSING W/SMOKE HEAD	DNR/NP-200R
	PULL STATION	NOT-BG12LX
	ADDRESSABLE RELAY MODULE	NC-100R
	ADDRESSABLE MINI MONITOR MODULE	NMM-100P
	2 WIRE HORN/STROBE, STANDARD CD, WHITE, CEILING	PC2WL
	2 WIRE HORN/STROBE, STANDARD CD, WHITE, OUTDOOR	P2WK
	REMOTE TEST STATION	RTS-151
	EOL RESISTOR	REL-4.7K
	KITCHEN HOOD	OTHERS

FIRE ALARM WIRING LEGEND		
WIRE TYPE	DESCRIPTION	LINE TYPE
A	SIGNALING LINE - UNSHIELDED #16 TWISTED PAIR	
N	NOTIFICATION - UNSHIELDED #14 PAIR	
U	INTERCONNECT- #12 GAUGE 3 CONDUCTOR THHN	



SHEET LEGEND		
SHEET NUMBER	SHEET REFERENCE NUMBER	DESCRIPTION
1	FA-001	COVER SHEET, LEGEND & RISER DIAGRAM
2	FA-101	INITIATION & NOTIFICATION
3	FA-501	DETAILS, BATTERY CALCULATIONS & SEQUENCE OF OPERATION MATRIX

Per NFPA sampling tubes over 3 feet long should be supported at the end opposite of the duct detector. In ducts wider than 8 feet, work must be performed inside the duct to couple the other section of the sampling tube to the section already installed using the 1/2 inch conduit fitting supplied. Make sure that the holes on both sections of the air inlet sampling tube are lined up and facing into the airflow.

DUCT DETECTOR MOUNTING

PANEL
CIRCUIT TYPE: SLC, NAC, SPK, AUX
DEVICE
ADDRESS ON SLC LOOP
P1:SLC1:D01
D - DETECTOR
M - MODULE

ADDRESS LABEL CLARIFICATION

ABBREVIATIONS

AHJ - AUTHORITY HAVING JURISDICTION	FSD- FIRE/SMOKE DAMPER
DD - DUCT DETECTOR	KB- KNOX BOX
DH - DOOR HOLDER	PV- SPRINKLER POST INITIATOR VALVE
DUA- DWELLING UNIT ALARM	NT- NAC TRIGGER
E- PSD/HD W/ ELEV INTERFACE	RD- RETURN DUCT
ELEV1- PRIMARY ELEVATOR RECALL	RL- RELOCATE
ELEV2- ALTERNATE ELEVATOR RECALL	RTU- ROOF TOP UNIT
EST- ELEVATOR SHUNT TRIP	SD- SUPPLY DUCT
EXG - EXISTING	TS - TAMPER SWITCH
FH- ELEVATOR FIREHAT	VL - VERIFY LOCATION
FL - FIELD LOCATE	WF - WATERFLOW
FM- FLUSH MOUNT	WP- WEATHER PROOF
FGS- FIRE PLACE GAS SHUTOFF	

GENERAL INSTALLATION NOTES:

- INSTALLATION MUST COMPLY WITH ALL APPLICABLE FEDERAL, STATE, OR LOCAL LAWS, REGULATIONS, CODES, AND SPECIFICATIONS. THIS SYSTEM SHALL BE IN STRICT CONFORMANCE WITH THESE DRAWINGS; 2018 IBC ; NFPA 72 2016 EDITION; NFPA 70, 2017 EDITION; AND AHJ.
- WHERE CONDUCTORS ARE RUN IN CONDUIT, USE ONLY APPROVED CABLE WITHIN RACEWAYS, PIPES OR CONDUITS. ALL SHIELDED WIRE MUST BE CONTINUOUS THROUGHOUT CIRCUIT, ALL SHIELDS SHALL BE ISOLATED FROM GROUND, ALL SHIELDS SHALL TERMINATE AT THE FIRE ALARM CONTROL PANEL (FACP) ONLY.
- PER NFPA 72 2016, 17.7.1.11 - WHERE DETECTORS ARE INSTALLED FOR SIGNAL INITIATION DURING CONSTRUCTION, THEY SHALL BE CLEANED AND VERIFIED TO BE OPERATING IN ACCORDANCE WITH THE LISTED SENSITIVITY, OR THEY SHALL BE REPLACED PRIOR TO THE FINAL COMMISSIONING OF THE SYSTEM. WHERE DETECTORS ARE INSTALLED BUT NOT OPERATIONAL DURING CONSTRUCTION, THEY SHALL BE PROTECTED FROM CONSTRUCTION DEBRIS, DUST, DIRT, AND DAMAGE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND VERIFIED TO BE OPERATING IN ACCORDANCE WITH THE LISTED SENSITIVITY, OR THEY SHALL BE REPLACED PRIOR TO THE FINAL COMMISSIONING OF THE SYSTEM. WHERE DETECTION IS NOT REQUIRED DURING CONSTRUCTION, DETECTORS SHALL NOT BE INSTALLED UNTIL AFTER ALL OTHER CONSTRUCTION TRADES HAVE COMPLETED CLEANUP.
- ALL FIRE ALARM SYSTEM WIRING SHALL BE CLEAR FROM SHORTS, OPENS AND GROUNDS.
- NOTIFICATION CIRCUIT WIRE RUNS ARE CRITICAL. ANY INCREASE IN LENGTH OF WIRE MAY AFFECT CIRCUIT CONFIGURATIONS.

RECOMMENDED MOUNTING HEIGHTS PER CODES AND STANDARDS

Component	Mounting Height (AFF)
Smoke or Heat Detector	6' Min - 6' Max
Heat Detector	4' Min - 12' Max
Audible Only Signaling Device	90" Min - 90" Max
Visual Only Or Audible/Visual Signaling Device	80" Min - 80" Max
Pull Station	46" AFF
Fire Alarm Control Panel (FACP)	66" AFF
Battery Box	66" AFF

PROJECT NAME / CUSTOMER / LOCATION:
WATABURGER
1450 NE DOUGLAS ST.
LEE'S SUMMIT, MISSOURI 64086

PROJECT MANAGER:
DARIN WASSINGER
(913) 549 - 1965

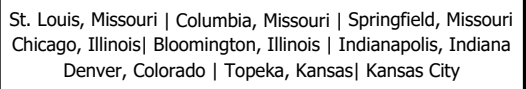
DESIGNER:
KMT

DRAWING #:
FA001

PROJECT JOB#:
PJ2105190011

DATE:
06/03/2021

ISSUED FOR:
CONSTRUCTION

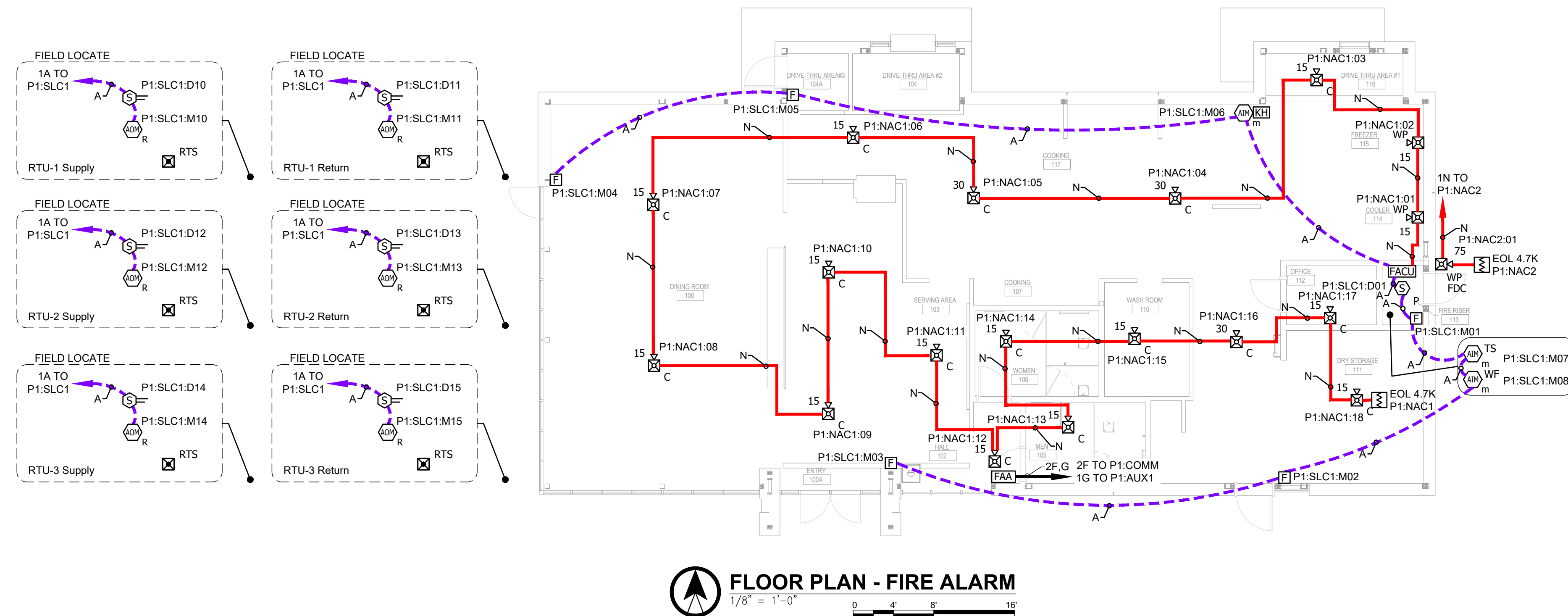
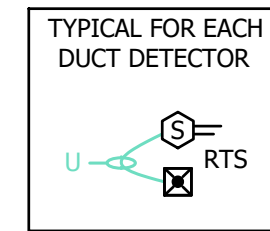


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[illegible]

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WATABURGER
1450 NE DOUGLAS ST.
LEE'S SUMMIT, MISSOURI 64086

FIRE ALARM SYSTEM

SYSTEM DESCRIPTION:

PROJECT MANAGER:
DARIN WASSINGER
(913) 549 - 1965

DESIGNER:	DRAFTER: KMT
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DRAWING #:

FA101

PROJECT
JOB#: PJ2105190011

DATE: 06/03/2021

ISSUED FOR: CONSTRUCTION

