

FIRE ALARM DESIGN CRITERIA:

- ALL FIRE PROTECTION SYSTEM CONTROL VALVES SHALL BE PROVIDED WITH TAMPER SWITCHES AND INTERFACE WITH THE FACP ON THE SUPERVISORY CIRCUIT. ALL FLOW SWITCHES SHALL INTERFACE WITH THE FACP ON THE ALARM CIRCUIT.
- FIRE ALARM CONTROL PANEL TO BE MOUNTED 96" AFF. PROVIDE 1" CONDUIT FROM FIRE ALARM CONTROL PANEL TO SECURITY PANEL LOCATED IN THIS ELECTRICAL ROOM. FIRE ALARM PULL STATION SHALL BE NOT LESS THAN 3'-6" (1.1M) AND NOT MORE THAN 4'-6" (1.5M) AFF. PROVIDE PROTECTIVE COVER TO PREVENT ACCIDENTAL INITIATION. FOR EXACT LOCATION OF ALL DEVICES IN MANAGER'S OFFICE, SEE ARCHITECTURAL ELEVATIONS SHEET. FACTORY INSTALLED SMOKE DETECTOR IN MAIN SUPPLY AND RETURN OF EACH ROOF TOP UNIT.
- THE FIRE ALARM SYSTEM SCOPE OF WORK SHALL INCLUDE THE PREPARATION AND DESIGN OF THE FIRE ALARM SYSTEM LAYOUT DOCUMENTS (WORKING PLANS). PROVIDE ALL EQUIPMENT, MATERIALS, COMPONENTS, ASSEMBLIES AND SUPPORT SYSTEMS REQUIRED, AS DESCRIBED, IN NFPA 72. THE FIRE ALARM CONTRACTOR SHALL BACKUP BATTERY CALCULATIONS FOR THE DESIGN OF THE FIRE ALARM SYSTEM.
- THE FIRE ALARM DESIGN, CALCULATIONS, INSTALLATION AND THE ACCEPTANCE TESTING OF THE FIRE ALARM SYSTEM SHALL BE IN ACCORDANCE WITH NFPA 72, THE INTERNATIONAL BUILDING CODE (IBC) AND ALL LOCAL CODES REQUIRED BY AUTHORITY HAVING JURISDICTION.
- THE FIRE ALARM CONTRACTOR SHALL PREPARE AND PROVIDE SIGNED AND SEALED FIRE ALARM SYSTEM LAYOUT DOCUMENTS WITH BACKUP BATTERY CALCULATIONS AND SHALL BE THE ENGINEER OF RECORD SIGNED AND SEALED FIRE ALARM SYSTEM LAYOUT DOCUMENTS WITH BACKUP BATTERY CALCULATIONS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER AND THE LOCAL AHJ FOR ACCEPTANCE PRIOR TO PERMITTING.
- THE FIRE ALARM CONTRACTOR SHALL PREPARE AND PROVIDE SIGNED AND SEALED FIRE ALARM SYSTEM LAYOUT DOCUMENTS WITH BACKUP BATTERY CALCULATIONS AND SHALL BE THE ENGINEER OF RECORD SIGNED AND SEALED FIRE ALARM SYSTEM LAYOUT DOCUMENTS WITH BACKUP BATTERY CALCULATIONS SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER AND THE LOCAL AHJ FOR ACCEPTANCE PRIOR TO PERMITTING.

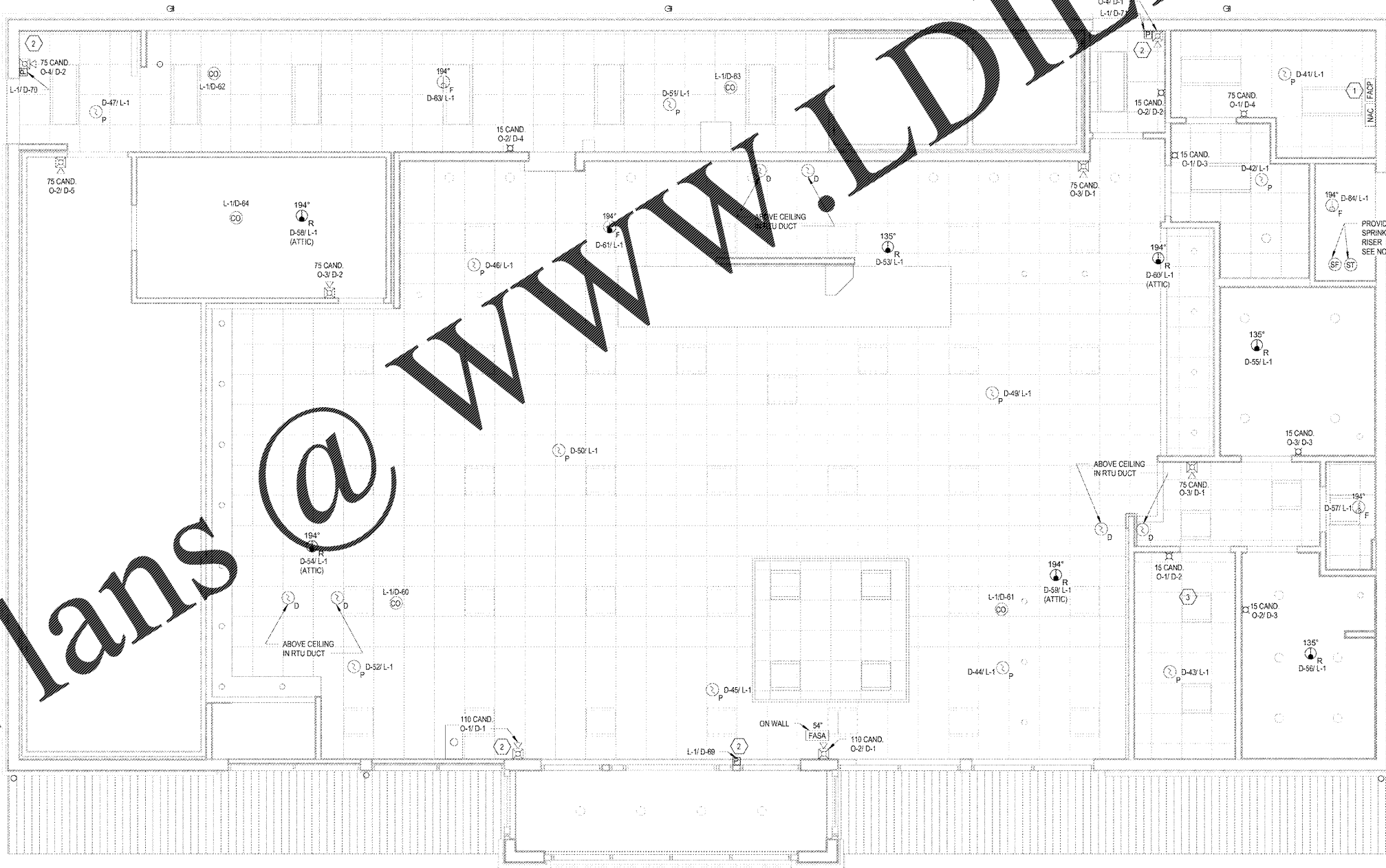
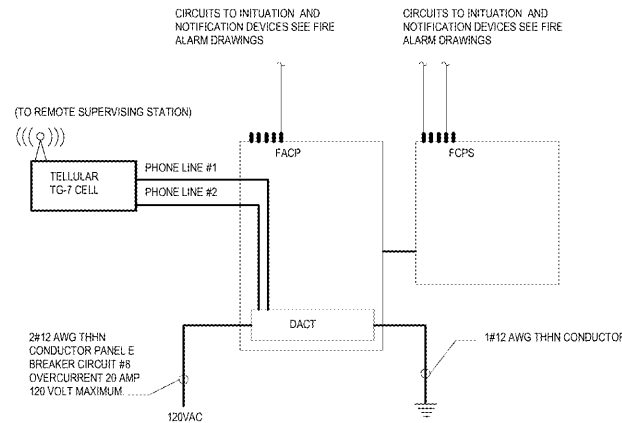
KEYNOTES:

- FIRE ALARM CONTROL PANEL TO BE MOUNTED 96" AFF. PROVIDE 1" CONDUIT FROM FIRE ALARM CONTROL PANEL TO SECURITY PANEL LOCATED IN THIS ELECTRICAL ROOM.
- FIRE ALARM PULL STATION SHALL BE NOT LESS THAN 3'-6" (1.1M) AND NOT MORE THAN 4'-6" (1.5M) AFF. PROVIDE PROTECTIVE COVER TO PREVENT ACCIDENTAL INITIATION.
- FOR EXACT LOCATION OF ALL DEVICES IN MANAGER'S OFFICE, SEE ARCHITECTURAL ELEVATIONS SHEET.

GENERAL NOTES:

- FIRE ALARM SYSTEM INSTALLED BY OTHERS, E.C. TO PROVIDE 3/4" CONDUIT, BOX AND PULL STRING FOR ALL PULL STATIONS, STROBES, OTHER DEVICES AND PANELS LOCATED IN BUILDING AS REQUIRED.
- FIRE ALARM CONTROL PANEL TO BE MOUNTED 96" AFF.
- UNLESS OTHERWISE NOTED, MOUNT ALL PULL STATIONS AT 48" AFF AND A/S TO 84".
- ALL FIRE ZONE DEVICES SHALL BE WIRED WITH 18 GAUGE/ 2 PAIR RED FIRE WIRE.
- SPRINKLER TAMPER AND FLOW SWITCHES ONLY USED IF BUILDING IS SPRINKLED AND REQUIRED BY AHJ. SEE ELECTRICAL CONDUIT PLAN FOR CONDUIT TO TAMPER/FLOW SWITCHES AT BACKFLOW PREVENTER IF REQUIRED BY AHJ.
- ALL FIRE ALARM HORN/STROBES SHALL BE WIRED WITH 16 GAUGE/ 2 PAIR RED FIRE WIRE WHEN NOT USING SILENT KNIGHT 5495 POWER SUPPLY. CONNECTION BETWEEN SECURITY CAMERA SYSTEM AND FIRE ALARM SYSTEM PANEL SHALL BE A 22 GAUGE/ 2 PAIR.
- DRAWING IS FOR INFORMATION PURPOSES ONLY. FINAL FIRE ALARM PLAN TO BE PROVIDED BY A LICENSED CONTRACTOR.

LEGEND	
	HEAT DETECTOR - RATE OF RISE
	HEAT DETECTOR - FIXED TEMP.
	PHOTOELECTRIC SMOKE DETECTOR
	FIRE ALARM HORN/STROBE ANNEN.
	FIRE ALARM STROBE
	FIRE ALARM PULL STATION
	OPEN MONITORED DETECTOR
	FACP: FIRE ALARM CONTROL PANEL
	FASA: FIRE ALARM SYSTEM ANNUNCIATOR
	NAC: NOTIFICATION APPLIANCE CERT.
	DUCT SMOKE DETECTOR
	SPRINKLER FLOW
	SPRINKLER TAMPER
	EOL: END OF LINE



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1 FIRE ALARM SYSTEM PLAN
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1/4" = 1'-0"

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PROJECT NAME
U45-VA V2018 01-MA
STORE #6647-PHM
PARRHAM RD. & THREE CHOFT RD.
HENRICO, VA

Revision Schedule	No.	Description	Date
PERMIT SET			09/21/2018
BID SET			01/29/2019

PROJECT NO.
2180133
DATE
05-21-2018
DRAWN
M.B.
CHECKED
JM

E8

ELECTRICAL FIRE ALARM SYSTEM PLAN

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