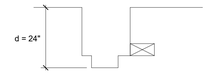
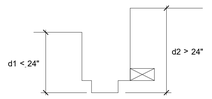
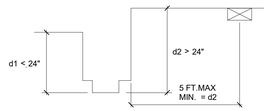
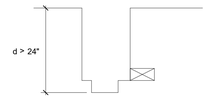
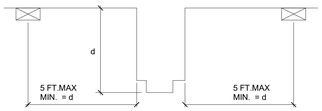
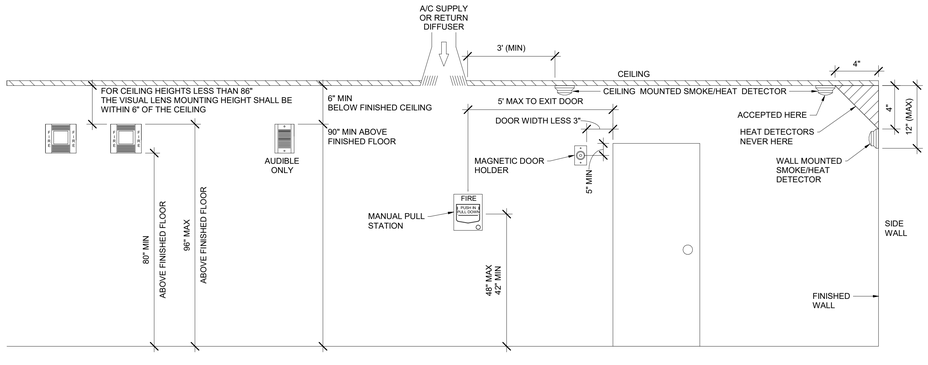
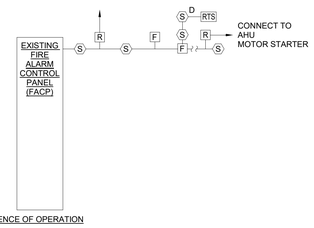
DETECTOR LOCATION REQUIREMENTS (NFPA 72)		
d = DEPTH OF WALL SECTION ABOVE DOOR	DOOR FRAME MOUNTED (SMOKE DETECTOR LISTED FOR FRAME MOUNTING OR AS PART OF CLOSER ASSEMBLY)	CEILING MOUNTED (SMOKE DETECTOR)
0-24" ON BOTH SIDES OF DOORWAY	A  DETECTOR OR DETECTOR CLOSER MOUNTED ON EITHER SIDE	B ONE DETECTOR MOUNTED ON EITHER SIDE
over 24" ON ONE SIDE ONLY	C  DETECTOR OR DETECTOR CLOSER MOUNTED ON HIGHER SIDE	D  DETECTOR MOUNTED ON HIGHER SIDE
over 24" ON BOTH SIDES	E  DETECTOR OR DETECTOR CLOSER MOUNTED ON EITHER SIDE	F  TWO DETECTORS REQUIRED
over 60"	MIGHT REQUIRE ADDITIONAL DETECTORS	

1 Smoke Detector Mounting Requirements
12" = 1'-0"



3 Typical Mounting Heights
12" = 1'-0"



FIRE ALARM SEQUENCE OF OPERATION

A. UPON ACTIVATION OF MANUAL PULL STATIONS, HEAT DETECTORS, SMOKE DETECTORS, DUCT DETECTORS. THE FIRE ALARM PANEL WILL GO INTO ALARM AND SHOULD SOUND THE A/V DEVICES, SHUT DOWN THE FANS, RELEASE THE MAGNETIC DOOR HOLDERS, CONTACT THE LOCAL FIRE DEPARTMENT AND INDICATE WHICH ALARM ZONE THE ALARM IS IN VIA THE REMOTE ANNUNCIATORS.

B. UPON ACTIVATION OF A TROUBLE CONDITION THE FIRE ALARM PANEL SHALL GO INTO "TROUBLE" MODE INDICATING WHICH ZONE IS IN TROUBLE BY A LIGHT IN THE REMOTE ANNUNCIATOR AND AT THE FIRE ALARM PANEL.

NOTE:
FIRE ALARM RISER IS INTENDED TO BE SCHEMATIC ONLY. ALL DEVICES INDICATED ON PLANS AND DETAILS ARE TO BE INSTALLED AND CONNECTED FOR PROPER OPERATION OF SYSTEM.

2 Fire Alarm System Wiring Diagram
12" = 1'-0"

S.E.D. Control No. 62-18-01-06-0-002-015

Rev. No.:	Date:	Description:

WALLKILL CENTRAL SCHOOL DISTRICT

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TETRA TECH ARCHITECTS & ENGINEERS

Wallkill Central School District
Wallkill, New York

Reconstruction to:
John G. Borden Middle School

Details

Drawn By:	Date:	Drawing Number:
Author	06/30/2023	BE500
Project No.: 17597-22002		