

ALL FIRE ALARM CONDUIT SHALL BE SIZED TO MEET OR EXCEED THE NEC

MINIMUM UNLESS SHOWN OTHERWISE. STUB-UPS TO INDIVIDUAL DEVICES

INSTALLATION MATERIALS (I.E. CONDUIT, FITTINGS, HANGERS, STANDARD

ON OPEN WIRE INSTALLATIONS CONDUIT SHALL BE PROVIDED BY OTHERS

THROUGH ENCLOSED WALLS, ECT.) AND IN ALL EXPOSED AREAS (I.E.

WALL-MOUNTED AUDIBLE/VISUAL & VISUAL ONLY DEVICES SHALL BE

INSTALLATION SHALL BE IN STRICT CONFORMANCE WITH THE NATIONAL

ELECTRIC CODE, NFPA CODES, LOCAL CODES, AUTHORITIES HAVING

ALL FIRE ALARM CONTROL RELAYS SHALL BE MOUNTED WITHIN 3' OF THE

ALL FIRE ALARM PANELS & EQUIPMENT CABINETS REQUIRE A DEDICATED 120VAC CIRCUIT FOR PRIMARY POWER. FIRE ALARM AC POWER CIRCUITS

SHALL BE PERMANENTLY IDENTIFIED AT THE DISTRIBUTION PANEL AND

JURISDICTION AND ALL OF THE MANUFACTURERS REQUIREMENTS.

DEVICES THEY CONTROL. ALL RELAY CONTROL CIRCUITS SHALL BE

12. ALL FIRE ALARM JUNCTION BOX COVERS SHALL BE PAINTED RED OR

HROUGH ALL INACCESSIBLE AREAS (I.E. ABOVE HARD CEILINGS, STUB-UPS

MOUNTED 80" AFF TO THE BOTTOM OF THE DEVICE OR 6" FROM THE CEILING

BOXES, ETC.) ARE NOT PROVIDED BY MIDWEST ALARM SERVICES.

MECHANICAL ROOMS, ELECTRICAL ROOMS, ETC.).

TO THE TOP OF THE DEVICE WHICHEVER IS LOWER.

LABELED FOR DISTINCT IDENTIFICATION.

actual addresses and circuits used.

INSIDE THE FIRE EQUIPMENT CABINETS SERVED.

GENERAL NOTE - EXISTING FIRE ALARM SYSTEM

existing fire alarm system. Certain conditions may be

This project involves modifications and/or additions to an

unknown, including existing device locations, addresses or

not relevant to the scope of work may not be shown. SLC addresses and circuit designations shown are representative and will be determined on site following a panel program download. The record drawings will be updated to show

designations, and circuit routing. Existing fire alarm devices

MANUAL PULL BOXES SHALL BE MOUNTED 48" AFF TO THE

MINIMUM REQUIREMENTS. ALL FIRE ALARM CONDUIT SIZE SHALL BE 3/4"

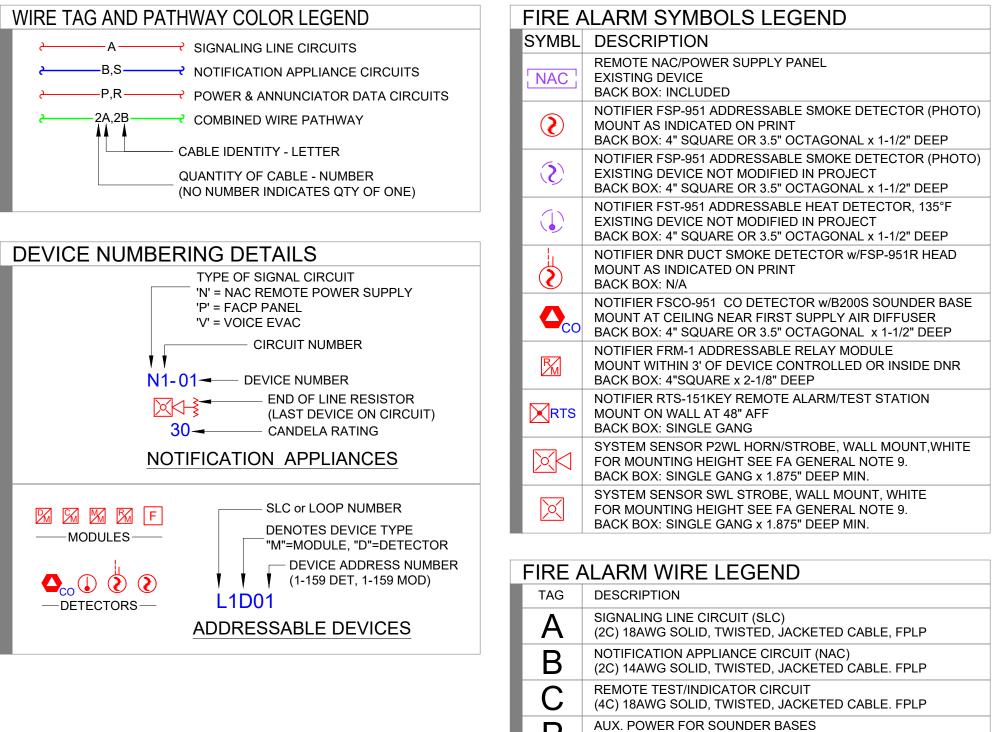
ALLOWED TO BE IN 1/2".

ACTUATING HANDLE.

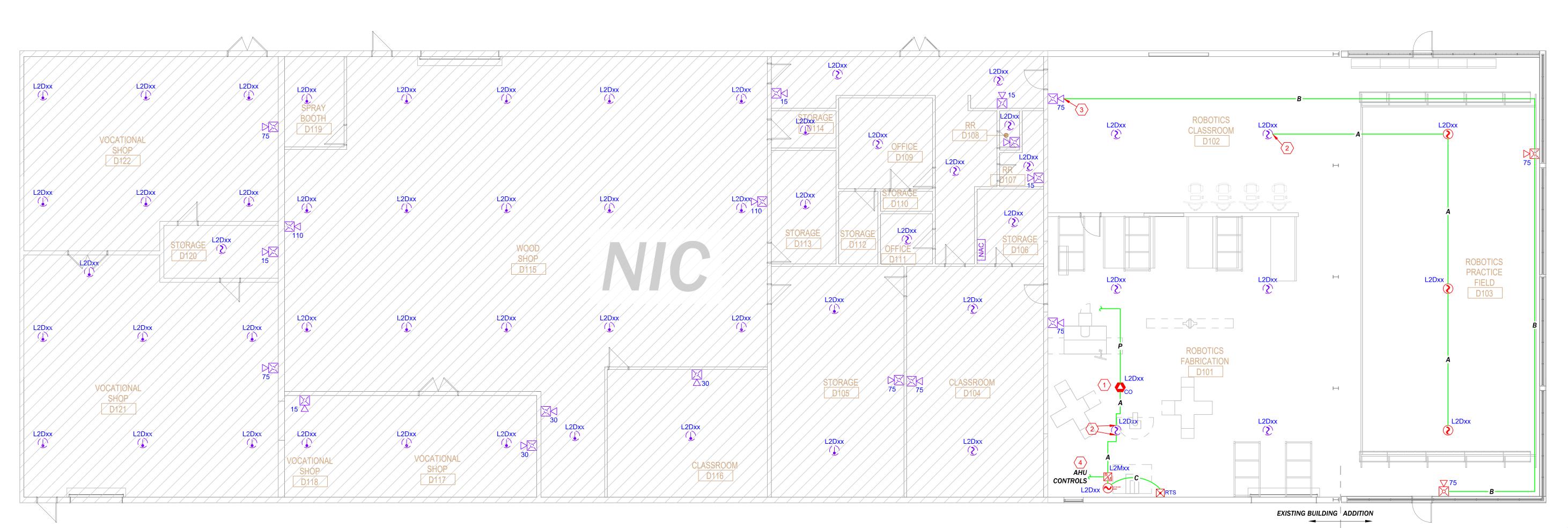
This project consists of two existing remote buildings at a high school complex that are being added to and/or partially renovated in certain areas. CO detection is being added to both, and smoke, duct smoke and horn/strobe notification are being modified or added in strict accordance with the contract documents. Both buildings are primary use group E and not sprinklered. Building D has small areas of B and S-2 use group designations.

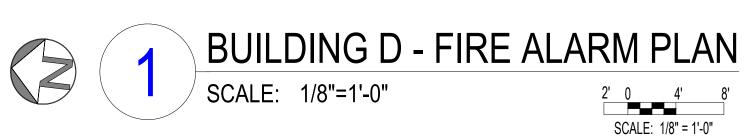
2018 2017 NFPA 72 National Fire Alarm Code 2016 PROJECT NARRATIVE

KEYED NOTES DWG SHEET # ALL WIRE TAG AND PATHWAY COLOR LEGEND KEY# NOTE TEXT A SIGNALING LINE CIRCUITS —B,S— NOTIFICATION APPLIANCE CIRCUITS CO DETECTOR SHALL HAVE A SOUNDER BASE FOR LOCAL AUDIBLE ALARM. BASE SHALL SOUND TEMP-4 ON ALARM. P,R——PPR——POWER & ANNUNCIATOR DATA CIRCUITS LOCATE DETECTOR NEAR FIRST SUPPLY AIR DIFFUSER FROM GAS-FIRED AIR HANDLING UNIT. OBTAIN AUX. POWER → COMBINED WIRE PATHWAY FOR SOUNDER BASE FROM LOCAL NAC PANEL. - CABLE IDENTITY - LETTER CONNECT TO EXISTING SLC. CONNECTION POINT SHOWN IS FOR EXAMPLE, SUBJECT TO CHANGE DEPENDING ON QUANTITY OF CABLE - NUMBER EXISTING WIRING PATHWAYS. ACTUAL WIRING PATHWAYS (NO NUMBER INDICATES QTY OF ONE) SHALL BE RECORDED DURING INSTALLATION FOR INCLUSION ON RECORD DRAWINGS. CONNECT TO EXISTING NAC. CONNECTION POINT SHOWN DEVICE NUMBERING DETAILS IS FOR EXAMPLE, SUBJECT TO CHANGE DEPENDING ON EXISTING WIRING PATHWAYS. ACTUAL WIRING PATHWAYS TYPE OF SIGNAL CIRCUIT SHALL BE RECORDED DURING INSTALLATION FOR 'N' = NAC REMOTE POWER SUPPLY INCLUSION ON RECORD DRAWINGS. 'P' = FACP PANEL 'V' = VOICE EVAC PROGRAM FRM RELAY MODULE TO SHUT DOWN AHU FANS ON AHU UPON ALARM. CONNECTIONS TO AHU BY OTHERS. CIRCUIT NUMBER N1-01 → DEVICE NUMBER - END OF LINE RESISTOR (LAST DEVICE ON CIRCUIT) - CANDELA RATING NOTIFICATION APPLIANCES - SLC or LOOP NUMBER DENOTES DEVICE TYPE -MODULES---"M"=MODULE, "D"=DETECTOR ── DEVICE ADDRESS NUMBER (1-159 DET, 1-159 MOD) L1D01 -DETECTORS-ADDRESSABLE DEVICES



(2C) 14AWG SOLID, TWISTED, JACKETED CABLE. FPLP

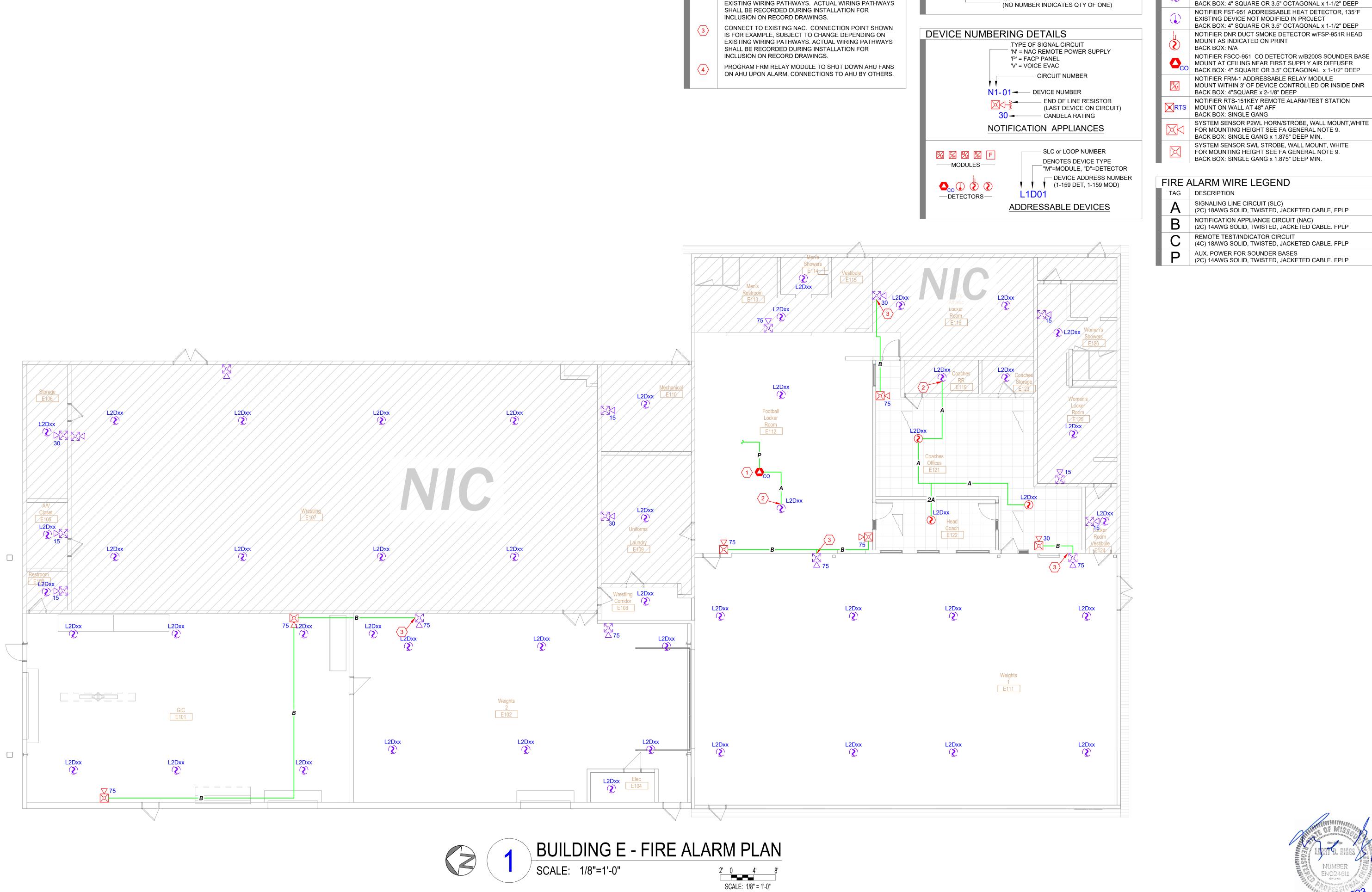




∞ Bldg High Lee's 330323030927

SHEET TITLE: FIRE ALARM SYSTEM Building "D" Floor Plan

FA-1



KEYED NOTES

KEY# NOTE TEXT

DWG SHEET # ALL

CO DETECTOR SHALL HAVE A SOUNDER BASE FOR LOCAL

AUDIBLE ALARM. BASE SHALL SOUND TEMP-4 ON ALARM.

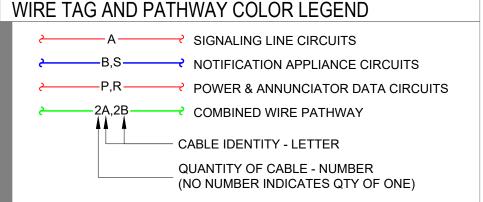
LOCATE DETECTOR NEAR FIRST SUPPLY AIR DIFFUSER

FOR SOUNDER BASE FROM LOCAL NAC PANEL.

FROM GAS-FIRED AIR HANDLING UNIT. OBTAIN AUX. POWER

CONNECT TO EXISTING SLC. CONNECTION POINT SHOWN

IS FOR EXAMPLE, SUBJECT TO CHANGE DEPENDING ON



FIRE ALARM SYMBOLS LEGEND

MOUNT AS INDICATED ON PRINT

REMOTE NAC/POWER SUPPLY PANEL

EXISTING DEVICE NOT MODIFIED IN PROJECT

NOTIFIER FSP-951 ADDRESSABLE SMOKE DETECTOR (PHOTO)

NOTIFIER FSP-951 ADDRESSABLE SMOKE DETECTOR (PHOTO)

BACK BOX: 4" SQUARE OR 3.5" OCTAGONAL x 1-1/2" DEEP

SYMBL DESCRIPTION

EXISTING DEVICE

BACK BOX: INCLUDED

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Bldg

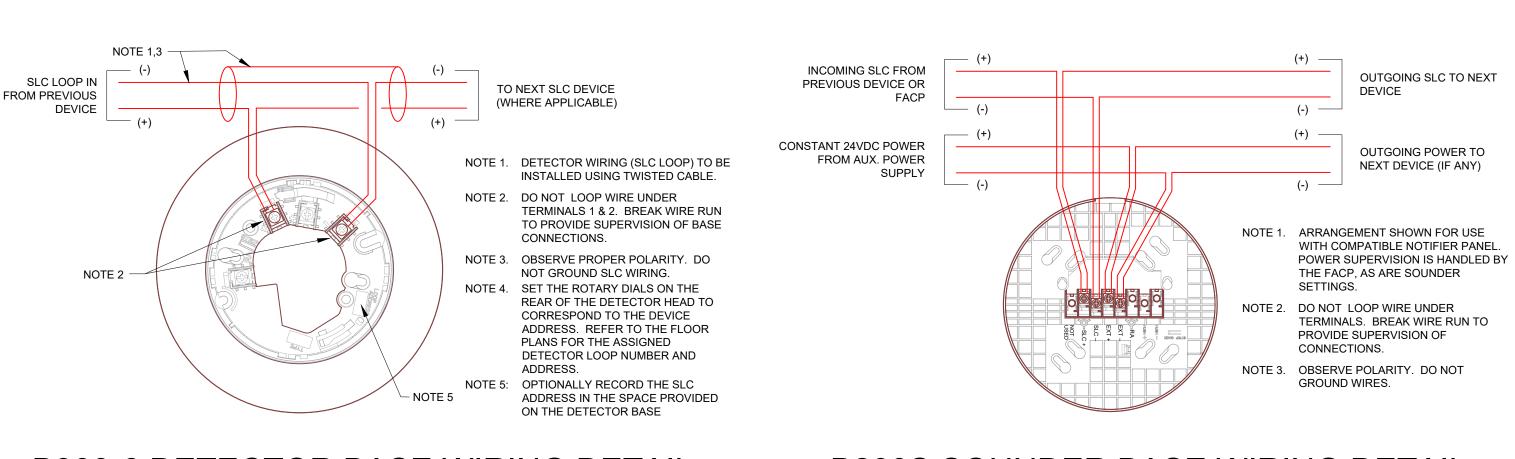
Summit High

PROJECT NUMBER: 330323030927

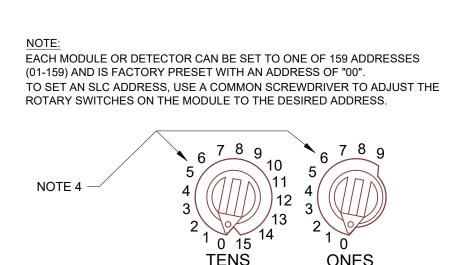
SHEET TITLE: FIRE ALARM SYSTEM Building "E" Floor Plan

FA-2

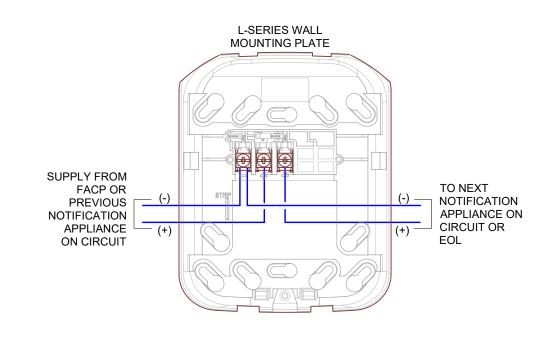
prepared for: Arrowhead Blue Springs, MO 64015



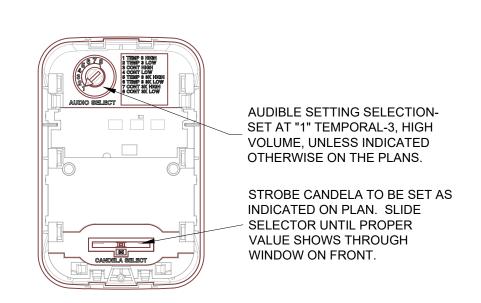
B300-6 DETECTOR BASE WIRING DETAIL B200S SOUNDER BASE WIRING DETAIL



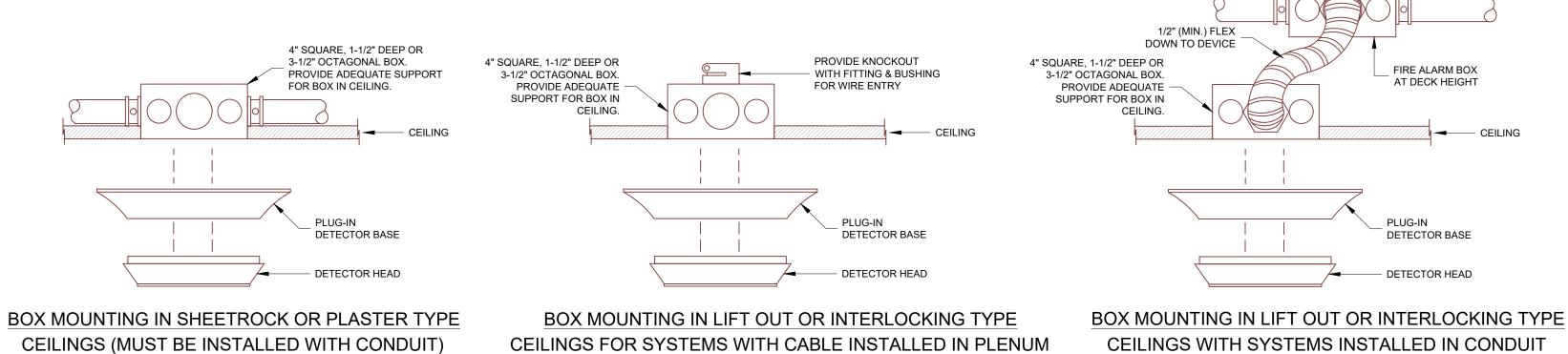
SETTING SLC ADDRESS (ROTARY DIALS)

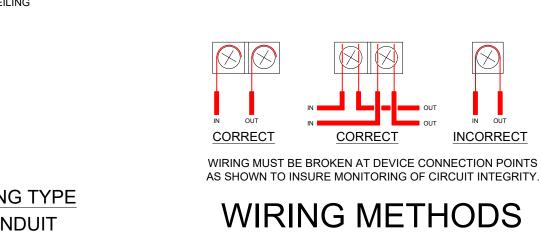


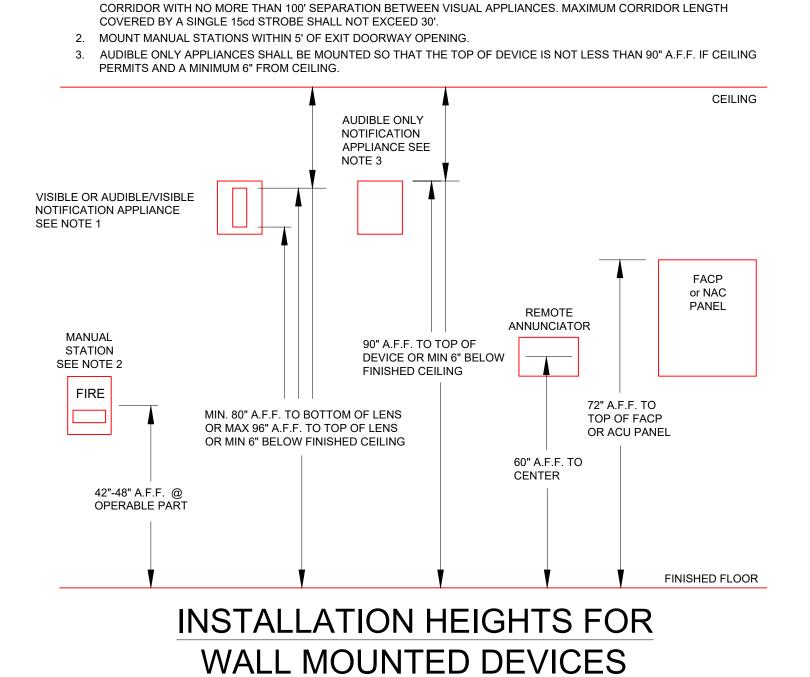
SYSTEM SENSOR L-SERIES
HORN / STROBE & STROBE



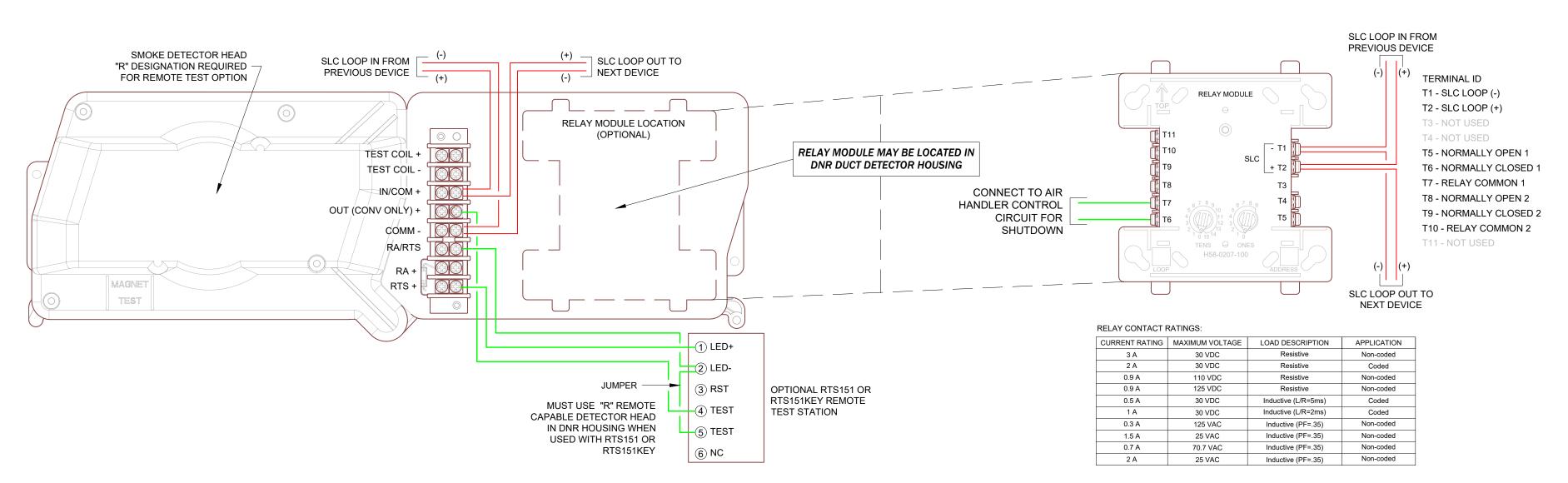
L-SERIES HORN / STROBE
CANDELA & AUDIBLE SETTINGS





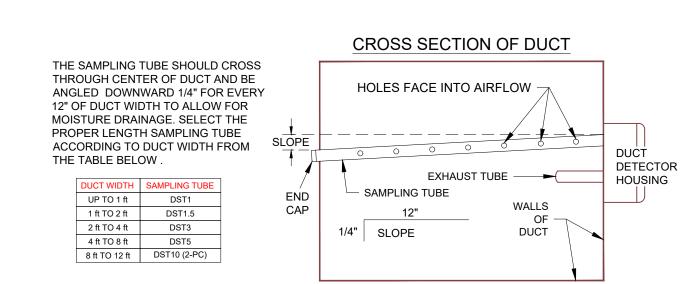


1. VISIBLE OR AUDIBLE/VISIBLE APPLIANCES SHALL BE MOUNTED SO THAT THE ENTIRE LENS IS NOT LESS THAN 80"A.F.F. OR GREATER THAN 96" A.F.F. WHERE LOW CEILING HEIGHTS PREVENT ABOVE, MOUNT AT 6" BELOW CEILING TO TOP OF LENS. FOR CORRIDORS 20' OR LESS WIDE, MOUNT VISUAL APPLIANCES NO MORE THAN 15' FROM END OF



DNR DUCT DETECTOR HOUSING WITH REMOTE TEST STATION

FRM-1 RELAY MODULE/AHU SHUTDOWN



DUCT DETECTOR MOUNTING DETAILS



Lee's Summit High School - Bldg D & E Expansion 400 SE Blue Parkway, Lee's Summit, MO 64063 prepared for: Arrowhead Electric Blue Springs, MO 64015
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FIRE ALARM SYSTEM
Wiring & Mounting
Details