



LODI UNIFIED SCHOOL DISTRICT

LODI HIGH SCHOOL

CAMPUS WIDE FIRE ALARM UPGRADE

DSA APP #: 02-118482
SEPTEMBER 23, 2020

OWNER

LODI USD
1305 E VINE STREET
LODI, CA 95240
CONTACT: VICKIE BRUM
209-331-7225 P
209-331-7229 F

ARCHITECT

PBK ARCHITECTS
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SUITE 440
SACRAMENTO, CA 95833
CONTACT: GARY GERY
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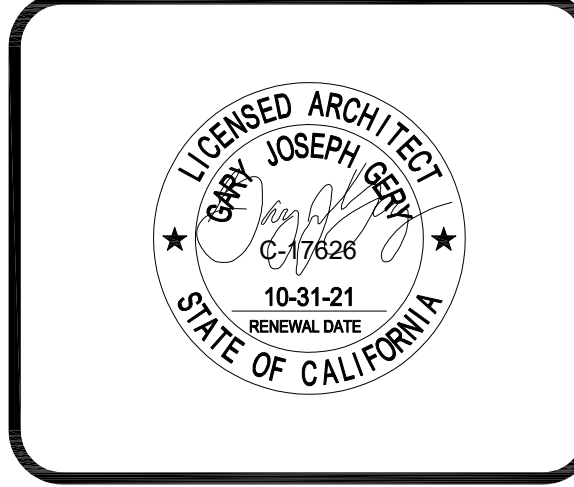
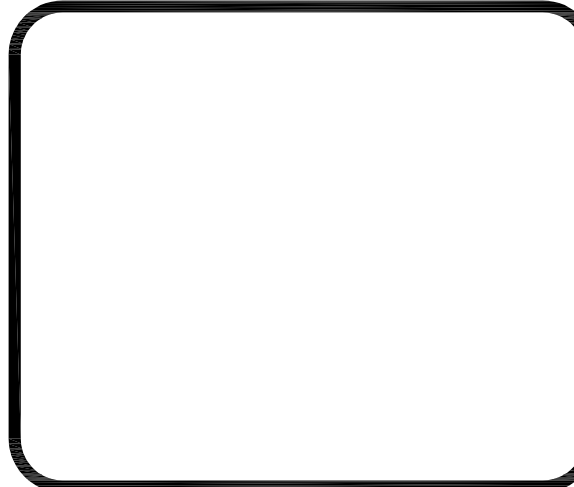
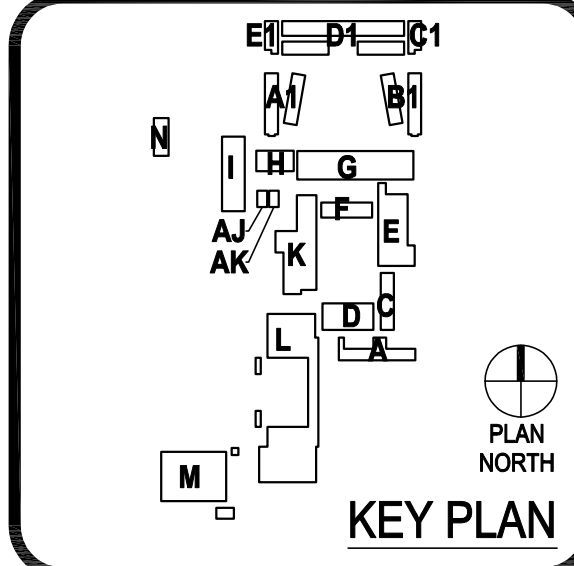
MEPT

LP CONSULTING ENGINEERS, INC.
1209 PLEASANT GROVE BLVD
CONTACT: JAMES LIM
ROSEVILLE, CA 95678
916-771-0778 P

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118482 INC:
REVIEWED FOR
SS ☐ FLS ☒ ACS ☐
DATE: 09/23/2020



ARCHITECT PBK Architects, Inc.
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MEPT ENGINEER LP Consulting Engineers, Inc.
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LODI HIGH SCHOOL
CAMPUS WIDE FIRE ALARM UPGRADE
3 South Pacific Avenue
Lodi, CA 95242
DSA App. #: 02-118482
CONSTRUCTION DOCUMENTS
PTN: 68585-212
Lodi Unified School District logo



CLIENT		
LODI UNIFIED SCHOOL DISTRICT		
PROJECT NUMBER		
19465		
DATE SEPTEMBER 23, 2020		
REVISIONS		
#	DESCRIPTION	DATE
CONSTRUCTION DOCUMENTS		
COVER SHEET		

DRAWING INDEX



- ☐ is/are in general conformance and
- ☐ have been coordinated

Signature	Date
Architect or Engineer delegated responsibility for this portion of the work	
Print Name	Date
Licenses Number	Expiration Date

DSA NOTES

ALL WORK SHALL CONFORM TO 2019 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR. A DISA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DISTRICT ARCHITECT SHALL REVIEW THE CCD. THE DISTRICT ARCHITECT SHALL REVIEW THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. CLASS 3. A DISA APPROVED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL REVIEW THE CCD FOR RECORD REVIEW. THE DISTRICT ARCHITECT SHALL REVIEW THE CCD. 5. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD THE DISTRICT ARCHITECT DISCOVER THAT THE WORK IS NOT IN ACCORDANCE WITH TITLE 24, CCR, IT SHALL BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHERE THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD) OR A CONSTRUCTION CHANGE ORDER (CCO) MUST BE SUBMITTED TO THE DISTRICT ARCHITECT. THE WORK SHALL BE SUBMITTED AND APPROVED BY DISA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-376), PART 1, TITLE 24, CCR. 6. GRADING PLANS, DRAINAGE PLANS, AND TRAIL, ROAD ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

SCOPE OF WORK

ALL CONSTRUCTION AND SERVICES REQUIRED TO PROVIDE:

FIRE ALARM:

COMPLETE FIRE ALARM SYSTEM UPGRADES TO BUILDINGS A, AJ, AK, C, D, E, F, G, H, I, K, M & N

ALL CONSTRUCTION AND SERVICES REQUIRED TO PROVIDE:

FIRE ALARM:

COMPLETE FIRE ALARM SYSTEM UPGRADES TO BUILDINGS A, AJ, AK, C, D, E, F, G, H, I, K, M & N

NOTE:
FIRE SAFETY DURING DEMOLITION AND/OR CONSTRUCTION SHALL COMPLY WITH 2019 CFB
CHAPTER 33

PROJECT DATA

1. CONSTRUCTION DOCUMENTS DESCRIBE THE PRODUCTS, SYSTEMS, QUANTITIES, CONFIGURATION AND PERFORMANCE SPECIFICATIONS THAT DELIVER THE OVERALL INTENT OF THE DESIGN INTENT OF THE PROJECT.
2. THE CONSTRUCTION DOCUMENT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY BOTH.
3. CONFORMANCE BY THE CONSTRUCTION TEAM SHALL BE CONSISTENT WITH THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS AS NECESSARY TO FULFILL THE INDICATED RESULTS OF THE DESIGN INTENT.
4. ALL MATERIALS AND FINISHES SHALL COMPLY WITH ALL GOVERNING CODES, ORDINANCES, REGULATIONS AND LAWS.
5. THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS AND SCAFFOLDING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
6. WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.
7. EXACT ALL MEASURES TO PROTECT AND GUARANTEE ALL EXISTING ELEMENTS TO REMAIN FROM BEING DAMAGED, REPLACE OR REPAIR EXISTING ELEMENTS DAMAGED BY THE EXECUTION OF THIS CONTRACT TO EQUAL OR BETTER CONDITION.
8. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE EXISTING OR NEW STRUCTURAL ELEMENTS SHALL NOT BE STARTED UNTIL THE DETAILS HAVE BEEN REVIEWED AND APPROVED BY THE ARCHITECT, AND STRUCTURAL ENGINEER OF RECORD.
9. VERIFIED CONDITIONS AND EXISTING CONDITIONS BEFORE COMMENCING WORK, REPORT DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH AFFECTED WORK.
10. REFLECTED CEILING PLUMB DIMENSIONS ARE REFERENCED FROM FINISHED SURFACES UNLESS NOTED OTHERWISE. CEILING HEIGHTS ARE DIMENSIONED FROM FLOOR TO FINISHED CEILING HEIGHT.
11. DIMENSIONS NOTED AS "FIELD VERIFY" SHALL BE CHECKED AT THE SITE BY THE CONTRACTOR AND REVIEWED WITH THE ARCHITECT BEFORE INCORPORATING INTO THE WORK.
12. DO NOT SCALE DRAWING. WRITTEN DIMENSIONS TAKE PRECEDENCE, IF CLARIFICATION IS REQUIRED IN ORDER TO DETERMINE THE INTENT OF THE CONTRACT DOCUMENTS, CONTACT THE ARCHITECT.
13. NOTES OR DIMENSIONS Labeled "TYPICAL" SHALL APPLY TO SITUATIONS THAT ARE THE SAME OR SIMILAR.
14. ALL DIMENSIONS ARE TO FACE OF STUD, UNLESS NOTED OTHERWISE.
15. ALL SPACES WITH FLOOR DRAINS TO HAVE FINISHED FLOORS SLOPED TO DRAIN NOT TO EXCEED ONE IN FIFTY.
16. ALL FLOOR FINISH CHANGES SHALL OCCUR AT THE CENTERLINE OF DOORS UNLESS NOTED OTHERWISE. ALL FLOOR FINISH CHANGES SHALL HAVE THRESHOLDS OR REDUCER STRIPS.
17. COORDINATE HOUSEKEEPING PAD DIMENSIONS AND LOCATIONS WITH EQUIPMENT TO BE INSTALLED.
18. DOORS OR INTERIOR GP. DOOR STUD WALLS SHALL BE SET 4" OFF THE PERP. ADJ. WALL ON THE HINGE SIDE OF THE STUD UNLESS OTHERWISE NOTED. CONTACT THE ARCHITECT IF ANY CONFLICTS OCCUR.
19. ALUM. THRESHOLDS TO BE SET IN FULL DEPTH OF SEALANT AT ALL EXIST. DOORS.
20. COORDINATE ROOF DRAIN LEADER LOCATIONS WITH FLOOR PLAN PRIOR TO SLAB CONSTRUCTION.
21. REMOVE VINYL REDUCER AT ALL DISSIMILAR FLOOR MATERIALS UNLESS OTHERWISE NOTED.
22. UNLESS OTHERWISE NOTED, ALL ELECTRICAL AND MECHANICAL OPERABLE DEVICES SHALL BE MOUNTED WITH THE HIGHEST OPERABLE CONTROL AT MAX. OF 42".
23. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE ASA APPROVED CONTRACT DOCUMENTS WHEREIN THE CONTRACT WORK IS COVERED BY TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY OSA BEFORE PROCEEDING WITH THE REPAIR WORK. PER CAC, 2019, 4.317(c)

PRC

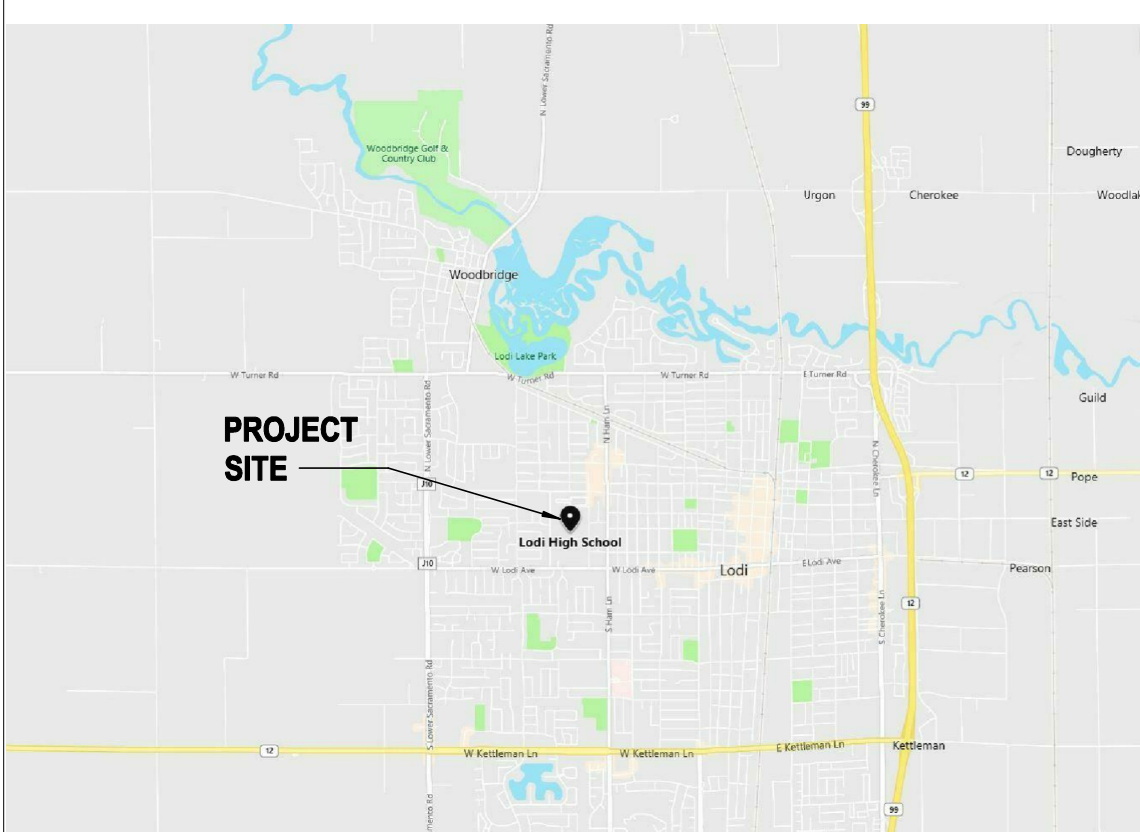
PROJECT ADDRESS: 3 SOUTH PACIFIC AVENUE, LODI, CA 95242

DEFERRED APPROVAL ITEMS

NONE

INSTALLATION OF THE ITEMS ABOVE SHALL NOT BE STARTED UNTIL DETAILED DRAWINGS, SPECIFICATIONS AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY DSA.

VICINITY MAP



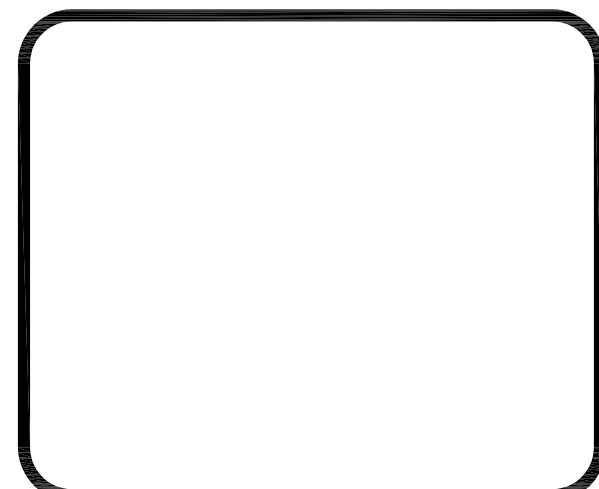
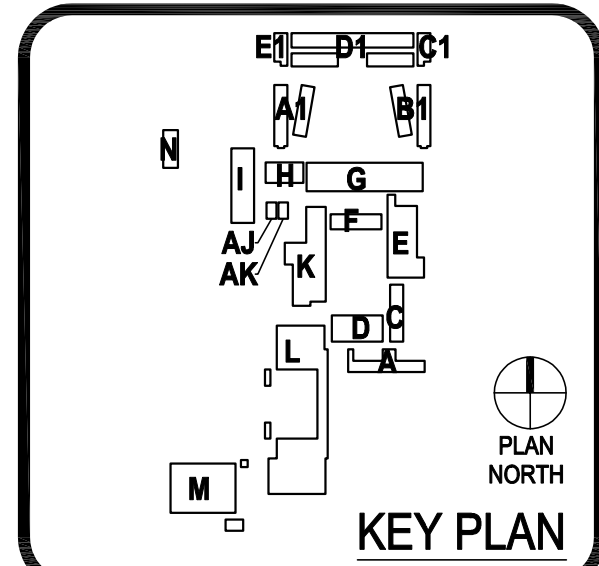
SHEET NUMBERING

A2.01

— SEQUENCE (.01 - .99.....etc.

SHEET TYPE

DISCIPLINE	
G - GENERAL	1 - SITE PLANS & DETAILS
C - CIVIL	2 - FLOOR PLANS
L - LANDSCAPE	3 - ROOF
D - DEMO	4 - ENLARGED PLANS
A - ARCHITECTURAL	5 - PLAN DETAILS
S - STRUCTURAL	6 - BUILDING SECTIONS, EXTERIOR/INTERIOR ELEVATIONS
M - MECHANICAL	7 - PARTITION TYPES & WALL SECTIONS
P - PLUMBING	8 - CASEWORK ELEVATIONS AND DETAILS
FP - FIRE PROTECTION	9 - WINDOWS, DOORS, FRAME ELEVATIONS & DETAILS
F - ELECTRICAL	10 - REFLECTED CEILING PLANS & DETAILS
	11 - EQUIPMENT AND FURNITURE PLANS



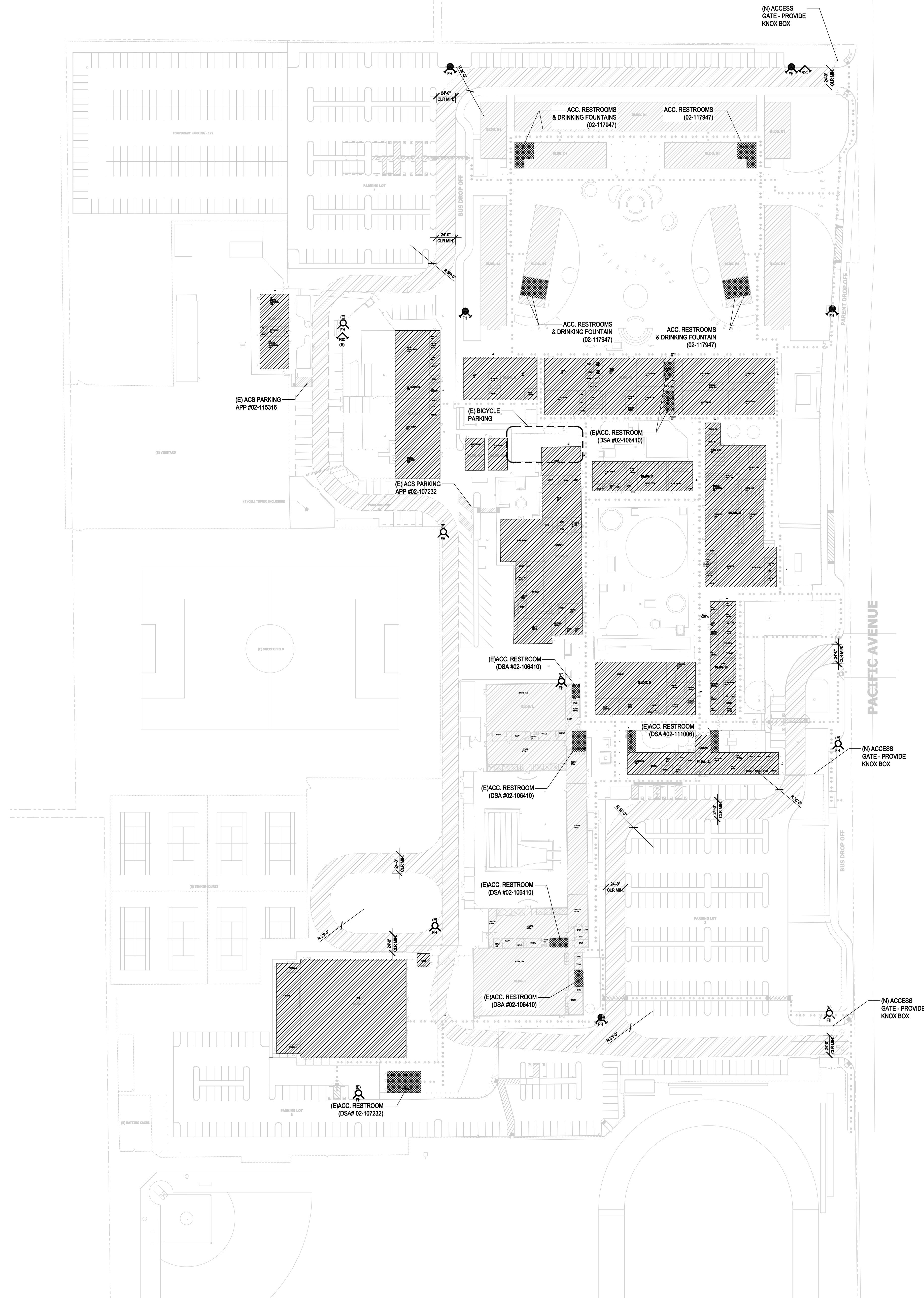
ACCESS SITE PLAN LEGEND

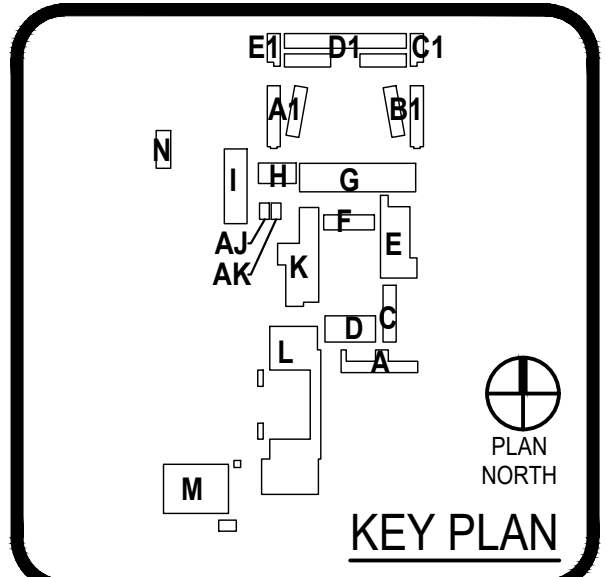
DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANT WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

 FIRE DEPARTMENT CONNECTION

BLDG ID	DESCRIPTION	STORIES	BUILDING AREA	OCCUPANCY	CONSTRUCTION TYPE	FIRE SPRINKLERS	DSA #
A	ADMINISTRATION	1	6,226	E	V-B	No	02-13335, 02-41543, 02-51357, 02-106410, 02-11794
C	ADMINISTRATION	4	4,530	E	V-B	No	02-13335, 02-51357, 02-106410
D	LIBRARY	1	8,090	E	V-B	No	02-13335, 02-51357, 02-106410
E	CLASSROOM BUILDING - THEATERS/SCIENCE	1	4320/9883	A2-1/E	V-B	No	02-13335, 02-51357, 02-106410
F	CLASSROOM BUILDING - HOME ECON	1	4,981	E	V-B	No	02-13335, 02-51357, 02-51777, 02-106410
G	CLASSROOM BUILDING - SCIENCE	1	19,960	E	II-B	No	02-13335, 02-23743, 02-51357, 02-51777, 02-106410
H	CLASSROOM BUILDING	2	5,784	E	V-B	No	02-57425, 02-51357, 02-106410
I	CLASSROOM BUILDING - SHOPS	1	11,100	E	V-B	No	02-38317, 02-51357, 02-106410
K	CAFETERIA & MUSIC	1	17,624	A-2-1/B	V-B	No	02-13335, 02-23743, 02-40568, 02-51357, 02-106410
L	GYMNASIUM & CLASSROOMS	1	34,565	A-2-1	V-B	No	02-13335, 02-51357, 02-106410
M	GYM	1	15,199	A-2-1	II-1 HR	No	02-107232
N	CLASSROOM BUILDING - AG SCIENCE	1	3,312	E	V-B	Yes	02-111006
AK	CLASSROOM BUILDING - RELOCATABLE	1	960	E	V-B	No	02-44570, 02-106410
AJ	CLASSROOM BUILDING - RELOCATABLE	1	960	E	V-B	No	02-44570, 02-106410
AI	CLASSROOM BUILDING	2	7,752	E	V-B	Yes	02-75117947
BI	CLASSROOM BUILDING	2	17,752	E	V-B	Yes	02-117947
C1/D1/E1	CLASSROOM BUILDING	2	56,750	E	V-B	Yes	02-117947

NOTE:
1. ALL PROJECT SUMMARY DATA TAKEN FROM PREVIOUSLY APPROVED (DSA) PROJECTS U.N.O. W



[illegible]

FIRE ALARM LEGEND, ABBREVIATIONS, & NOTES

FA0.01

FIRE ALARM CABLE SCHEDULE			
TYPE		DESCRIPTION	USE
CABLES INSTALLED IN CONDUIT (MINIMUM 1/2" C.)			
A	WEST PENN D990 (2#16 SOL, UTP, FPL)	SLC (ADDRESSABLE LOOP) INTERIOR	
AE	WEST PENN AQ225 (2#16 STR, UTP, FPL)	SLC (ADDRESSABLE LOOP) EXTERIOR	
M	ESSEX 2#14 THHN/THWN SOL	IDC (INITIATING DEVICE CIRCUIT) – INTERIOR/EXTERIOR	
R	WEST PENN 990 (2#16 SOL, UTP, FPL)	ANNUNCIATOR INTERIOR	
	ESSEX 2#14 THHN/THWN SOL		
B	SUPERIOR ESSEX 2#12 THHN/THWN	NAC (NOTIFICATION APPLIANCE CIRCUIT) INTERIOR	
C	WEST PENN 975 (2#12 SOL, STP)	AUDIO SPEAKER CABLE – INTERIOR	
CE	WEST PENN AQ294 (2#16 STR, STP, FPL)	AUDIO SPEAKER CABLE – EXTERIOR	
F	WEST PENN MPB604ST	FIBER OPTIC C-STRAND – INTERIOR/EXTERIOR	
DE	WEST PENN AQ225 (2#16 SOL, UTP, FPL)	NETWORK COMMUNICATION CABLE – EXTERIOR	
CABLE DESCRIPTION ABBREVIATIONS			
ABBREV.	DEFINITION		ABBREV.
FPL	FIRE ALARM POWER—LIMITED	STR	STRANDED CONDUCTOR
FPLP	FIRE ALARM POWER—LIMITED, PLENUM	STP	SHIELDED TWISTED PAIR
FPLR	FIRE ALARM POWER—LIMITED, RISER	US	UNSHIELDED CABLE
OS	OVERALL SHIELDED CABLE	UTP	UNSHIELDED TWISTED PAIR
SOL	SINGLE CONDUCTOR		

SCOPE OF THIS PROJECT IS TO INCORPORATE A NEW AUTOMATIC FIRE ALARM SYSTEM WITH VOICE EVACUATION, INCLUDING FACP, VOICE AMPLIFIERS, POWER SUPPLIES, MICROPHONE, INITIATION AND NOTIFICATION DEVICES AS SHOWN ON PLANS AND SPECIFICATIONS.

IN AREAS WHERE SCOPE OF NEW WORK IS LIMITED TO INSTALLATION OF FIRE ALARM DEVICES, INFRASTRUCTURE (INCLUDING PATHWAY, DEVICE BOXES, ETC.) PROVIDE ALL NEW CABLEING. CABLEING SHALL BE INSTALLED IN CONDUIT, SURFACE RACEWAY, OR EXPOSED IN ACCESSIBLE CEILING SPACE.

BUILDINGS 'A','C','D','E','F','G','H','J','AK','I','K','M','N'
OCCUPANCY TYPE: E

CONSTRUCTION TYPE: V-B, III-B (G), II-A (M)

OF STORIES: 1

DSA INSPECTOR CLASSIFICATION:
THE OWNER SHALL EMPLOY ONE OR MORE APPROVED AGENCIES TO PROVIDE SPECIAL
INSPECTIONS AND TESTS DURING CONSTRUCTION PER CBC 1701A.3 AND DSA 103.

The diagram illustrates the pin connections for the 74LS164 shift register across three different circuit applications. Each application is represented by a 4-pin header with specific pin assignments and functions.

- (NAC) STROBE CKT:**
 - Pin 1: BLDG FAPS "FAPS-H" (Providing NAC Ckt.)
 - Pin 2: CKT NUMBER
 - Pin 3: NH2.1 → DEVICE NUMBER IDENTIFIER (QTY)
 - Pin 4: (Unused)
- (VOICE) EVACUATION CKT:**
 - Pin 1: BLDG VOICE AMP LOCATION "VAA"
 - Pin 2: BLDG IDENTIFIER
 - Pin 3: CKT NUMBER
 - Pin 4: VM2.1 → DEVICE NUMBER IDENTIFIER (QTY)
- (SLC) ADDRESS CKT:**
 - Pin 1: BLDG IDENTIFIER
 - Pin 2: CKT NUMBER
 - Pin 3: AP 1.2 → DEVICE NUMBER IDENTIFIER (QTY)
 - Pin 4: (Unused)



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Lab #: 10-2208











FIRE ALARM GENERAL DEMO NOTES	GOVERNING CODES & APPLICABLE STANDARDS	FIRE ALARM SCHEDULE						
<p>1. ALL EXISTING FIRE ALARM EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING RECORDS, SURVEY AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.</p> <p>2. EXISTING FIRE ALARM SYSTEM SHALL REMAIN ACTIVE UNTIL CONSTRUCTION IS COMPLETED. CAUSE AS LITTLE INTERFERENCE OR INTERRUPTION OF EXISTING FIRE ALARM SYSTEMS AND/OR OTHER EXISTING FACILITY'S SYSTEMS AND SERVICES AS POSSIBLE. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AT LEAST 72 HOURS TO SCHEDULE ALL NECESSARY SHUTDOWNS. SHUTDOWN WORK SHALL BE PERFORMED AFTER THE NORMAL OPERATION HOURS OF THE FACILITY, IF SO DIRECTED BY THE OWNER'S REPRESENTATIVE.</p> <p>3. FIRE WATCH IN CONFORMANCE WITH THE CALIFORNIA FIRE CODE SHALL BE PROVIDED AT THE DIRECTION OF THE CONTRACTOR FOR EVERY OFF-LINE BUILDING. THE SCHOOL SHALL ASSIST WITH FIRE WATCH ACTIVITIES DURING SCHOOL HOURS AND WHENEVER THE CAMPUS IS OCCUPIED BY STUDENTS, TEACHERS AND STAFF. THE CONTRACTOR SHALL PROVIDE ALL FIRE WATCH ACTIVITIES AFTER SCHOOL HOURS AND WHENEVER THE CAMPUS IS NOT OCCUPIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING AND MAINTAINING ALL FIRE WATCH LOGS.</p> <p>4. ALL REMOVED AND/OR DEMOLISHED ELECTRICAL MATERIALS AND EQUIPMENT TO BE ACCOMPLISHED UNDER THIS CONTRACT, WHICH IN THE OPINION OF THE OWNER'S REPRESENTATIVE ARE DEEM SALVAGEABLE, SHALL REMAIN THE PROPERTY OF THE OWNER. ALL FIRE ALARM MATERIAL AND EQUIPMENT CONSIDERED NOT SALVAGEABLE SHALL BE REMOVED FROM THE SITE AND</p>	<p>TITLE 24 CODES:</p> <ol style="list-style-type: none">2019 CALIFORNIA BUILDING STANDARD ADMINISTRATIVE CODE (CAC), (PART 1, TITLE 24, CCR).2019 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 AND 2 (PART 2, TITLE 24, CCR), (2018 EDITION INTERNATIONAL BUILDING CODE WITH CALIFORNIA AMENDMENTS).2019 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR), (2017 EDITION NATIONAL ELECTRICAL CODE WITH CALIFORNIA AMENDMENTS).2019 CALIFORNIA MECHANICAL CODE (CMC), (PART 4, TITLE 24, CCR), (2018 EDITION IAPMO UNIFORM MECHANICAL CODE).2019 CALIFORNIA PLUMBING CODE (CPC), (PART 5, TITLE 24, CCR), (2018 EDITION IAPMO UNIFORM PLUMBING CODE WITH CALIFORNIA AMENDMENTS).2019 CALIFORNIA ENERGY CODE, (PART 6, TITLE 24, CCR), (CALIFORNIA ENERGY COMMISSION BUILDING ENERGY EFFICIENCY STANDARDS).2019 CALIFORNIA FIRE CODE (CFC), (PART 9, TITLE 24, CCR) (2018 EDITION INTERNATIONAL FIRE CODE WITH CALIFORNIA AMENDMENTS).2019 CALIFORNIA REFERENCE CODE, (PART 12, TITLE 24, CCR). <p>REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS:</p> <ol style="list-style-type: none">2019 CBC, CHAPTER 35.2019 CFC, CHAPTER 80.2016 NFPA 72, AS AMENDED.	<table><tr><th>SHEET NO.</th><th>SHEET TITLE</th></tr><tr><td>FAD-01</td><td>FIRE ALARM LEGEND, ABBREVIATIONS</td></tr><tr><td>FAD-09</td><td>FIRE ALARM SCHEDULE</td></tr></table>	SHEET NO.	SHEET TITLE	FAD-01	FIRE ALARM LEGEND, ABBREVIATIONS	FAD-09	FIRE ALARM SCHEDULE
SHEET NO.	SHEET TITLE							
FAD-01	FIRE ALARM LEGEND, ABBREVIATIONS							
FAD-09	FIRE ALARM SCHEDULE							

1. PER NFPA 72 2016 SECTION 10.12.2: WHEN AN OCCUPANT NOTIFICATION ALARM SIGNAL DEACTIVATION MEANS IS ACTUATED, BOTH AUDIBLE AND VISIBLE NOTIFICATION APPLIANCES SHALL BE SIMULTANEOUSLY DEACTIVATED.

1. PER NFPA 72 2016 SECTION 10.12.2: WHEN AN OCCUPANT NOTIFICATION ALARM SIGNAL DEACTIVATION MEANS IS ACTUATED, BOTH AUDIBLE AND VISIBLE NOTIFICATION APPLIANCES SHALL BE SIMULTANEOUSLY DEACTIVATED.
2. PER NFPA 72 2016 SECTION 10.12.2.2: WHERE IT IS DESIRED TO DEACTIVATE THE NOTIFICATION APPLIANCES FOR FIRE SERVICE OPERATIONS INSIDE THE BUILDING AND SIGNAL EVACUATED OCCUPANTS THAT AN ALARM IS STILL PRESENT, IT IS RECOMMENDED THAT A SEPARATE NON-SILENCEABLE NOTIFICATION RECOMMENDED THAT A SEPARATE NON-SILENCEABLE NOTIFICATION ZONE BE PROVIDED ON THE EXTERIOR OF THE BUILDING. THE AUDIBLE AND VISIBLE NOTIFICATION APPLIANCE LOCATED AT THE BUILDING ENTRANCES COULD SERVE AS A WARNING TO PREVENT OCCUPANT RE-ENTRY.

1. PROGRAM CARBON MONOXIDE ALARM SIGNAL TO TAKE PRIORITY OVER SUPERVISORY AND TROUBLE SIGNALS PER NFPA 720, 7.2.1.
2. FACP MUST BE CAPABLE OF GENERATING BOTH A 3-PULSE (FIRE ALARM) AND 4-PULSE (CARBON MONOXIDE ALARM) TEMPORAL PATTERN PER NFPA 720, 5.8.6.5.1.

FIRE ALARM SHEET INDEX	
SHEET NO.	SHEET TITLE
FA0 01	FIRE ALARM LEGEND, ABBREVIATIONS, AND NOTES
FA1 00	FIRE ALARM SITE PLAN - OVERALL
FA1 01	PARTIAL FIRE ALARM SITE PLAN
FA1 02	PARTIAL FIRE ALARM SITE PLAN
FA1 03	PARTIAL FIRE ALARM SITE PLAN
FA1 04	PARTIAL FIRE ALARM SITE PLAN
FA2 01	DEMOLITION FIRE ALARM PLAN - BUILDING A
FA2 02	DEMOLITION FIRE ALARM PLAN - BUILDING C & D
FA2 03	DEMOLITION FIRE ALARM PLAN - BUILDING E & F
FA2 04	DEMOLITION FIRE ALARM PLAN - BUILDING G
FA2 05	DEMOLITION FIRE ALARM PLAN - BUILDING H, AJ, & AK
FA2 06	DEMOLITION FIRE ALARM PLAN - BUILDING I
FA2 07	DEMOLITION FIRE ALARM PLAN - BUILDING K
FA2 08	DEMOLITION FIRE ALARM PLAN - BUILDING M
FA2 09	DEMOLITION FIRE ALARM PLAN - BUILDING N
FA3 01	FIRE ALARM PLAN - BUILDING A
FA3 02	FIRE ALARM PLAN - BUILDING C & D
FA3 03	FIRE ALARM PLAN - BUILDING E & F
FA3 04	FIRE ALARM PLAN - BUILDING G
FA3 05	FIRE ALARM PLAN - BUILDING H, AJ, & AK
FA3 06	FIRE ALARM PLAN - BUILDING I
FA3 07	FIRE ALARM PLAN - BUILDING K
FA3 08	FIRE ALARM PLAN - BUILDING M
FA3 09	FIRE ALARM PLAN - BUILDING N
FA4 01	FIRE ALARM SECTIONS
FA4 02	FIRE ALARM SECTIONS
FA4 03	FIRE ALARM SECTIONS
FA4 04	FIRE ALARM SECTIONS
FA4 05	FIRE ALARM SECTIONS
FA4 06	FIRE ALARM SECTIONS
FA5 01	PARTIAL FIRE ALARM RISER DIAGRAM
FA5 02	PARTIAL FIRE ALARM RISER DIAGRAM
FA5 03	PARTIAL FIRE ALARM RISER DIAGRAM
FA5 04	FIRE ALARM BATTERY AND VOLTAGE DROP CALCS
FA5 05	FIRE ALARM BATTERY AND VOLTAGE DROP CALCS CONT.
FA6 01	FIRE ALARM DETAILS
FA6 02	FIRE ALARM DETAILS

SYMBOL	DESCRIPTIONS
A/AMP	AMPERES
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
AFC	ABOVE FINISHED CEILING
AFG	ABOVE FINISHED GRADE
AIC	AMPERES INTERRUPTING CAPACITY (SYMMETRICAL)
C	CONDUIT
CCT	CIRCUIT
CKT	CIRCUIT
DC	DIRECT CURRENT
(E)	EXISTING TO REMAIN
EC	EMPTY CONDUIT
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE METALLIC CONDUIT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND/G	GROUND
HP	HORSEPOWER
IG	ISOLATED GROUND
IDC	INITIATION DEVICE CIRCUIT
J-BOX	JUNCTION BOX
KVA	KILOVOLT-AMPS
KW	KILOWATTS
LTG	LIGHTING
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
MTD	MOUNTED
(N)	NEW
N	NEUTRAL CONDUCTOR (GROUNDED CIRCUIT CONDUCTOR)
N.I.E.S.	NOT IN ELECTRICAL SCOPE OR SPECIFICATIONS
NL	NIGHT LIGHT
NAC	NOTIFICATION APPLIANCE CIRCUIT
PH/P/Ø	PHASE OR POLE
PNL	PANELBOARD
PVC	POLYVINYL CHLORIDE CONDUIT (SCHEDULE 40)
(R)	RELOCATE/RELOCATED
RECEP	RECEPTACLE
RGC	RIGID GALVANIZED STEEL CONDUIT
SLC	SIGNAL LINE CIRCUIT
U	UNSWITCHED
UNO	UNLESS NOTED OTHERWISE
V	VOLTAGE OR VOLTS
W	WATTS
WP	WEATHERPROOF
WPU	WEATHERPROOF WHILE IN USE
(X)	REMOVE
XFMR	TRANSFORMER
	FIRE SPRINKLER BELL (BY OTHERS)
	BATTERY POWER SUPPLY
	FIRE ALARM CONTROL PANEL
	FIRE ALARM POWER SUPPLY
	FIRE ALARM TERMINAL CABINET
	FIRE SPRINKLER FLOW SWITCH - BY OTHERS
	FIRE SMOKE DAMPER (BY OTHERS)
	POST INDICATOR VALVE (BY OTHERS)
	FIRE SPRINKLER TAMPER SWITCH - BY OTHERS
	JUNCTION BOX
	EOL - END OF LINE RESISTOR

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE, OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE, OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., OSHDP OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE, HANGING AND BRACING INSTALLATION GUIDE, AND THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP),
ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP MD PP E OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT
☐ ☐ ☐ ☒ SPECIFIC NOTES AND DETAILS

MP MD PP E OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD
☐ ☐ ☐ ☐ PRE-APPROVAL (OPM#) #_____.

1. ALL EXISTING FIRE ALARM EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEY AND ARE SHOWN FOR CLARITY. IF ANYTHING IS REQUIRED AS APPROXIMATELY LOCATED, THE CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO LOCATE AND IDENTIFY ALL AVAILABLE AND CONCEALED FIRE ALARMS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY THE ONTE LOCATION OF ALL LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.

2. EXISTING FIRE ALARM SYSTEM SHALL REMAIN ACTIVE UNTIL CONSTRUCTION IS COMPLETED. CAUSE AS LITTLE INTERFERENCE OR INTERRUPTION OF EXISTING FIRE ALARM SYSTEMS AND/OR OTHER EXISTING FACILITY'S OPERATIONS AND SERVICES AS POSSIBLE. THE CONTRACTOR SHALL HAVE THE OWNER'S REPRESENTATIVE AT LEAST 72 HOURS TO SCHEDULE ALL NECESSARY SHUTDOWNS. SHUTDOWN WORK SHALL BE PERFORMED AFTER NORMAL OPERATING HOURS OF THE FACILITY, IF SO DIRECTED BY THE OWNER'S REPRESENTATIVE.

1. ALL EXISTING FIRE ALARM EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEY AND ARE SHOWN FOR CLARITY. IF THE CONTRACTOR HAS ANY INFORMATION AS TO THE LOCATION OF ANY ADDITIONAL EQUIPMENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING THE SAME. THE CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE REQUIRED TO ASSUME THE RISK OF LIABILITY FOR ANY DAMAGE TO THE EXISTING EQUIPMENT DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO STARTING ANY WORK AND PRIOR TO THE START OF ANY ELECTRICAL WORK, THE CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
2. EXISTING FIRE ALARM SYSTEM SHALL REMAIN ACTIVE UNTIL CONSTRUCTION IS COMPLETED. CAUSE AS LITTLE INTERFERENCE OR INTERRUPTION OF THE EXISTING FIRE ALARM AND/OR SMOKE DETECTOR SYSTEMS AS POSSIBLE. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AT LEAST 72 HOURS TO SCHEDULE ALL WORK TO BE SHUT DOWN DURING THE FACILITY, IF SO DIRECTED BY THE OWNER'S REPRESENTATIVE.
3. FIRE WATCH IN CONFORMANCE WITH THE CALIFORNIA FIRE CODE SHALL BE PROVIDED AT THE DIRECTION OF THE CONTRACTOR FOR EVERY OFF-LINE WORK OF THE SCHOOL. THE CONTRACTOR SHALL PROVIDE A FIRE WATCH DURING SCHOOL HOURS AND WHENEVER THE CAMPUS IS OCCUPIED BY STUDENTS, TEACHERS AND STAFF. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY ACTIVITIES DURING SCHOOL HOURS. WHENEVER THE CAMPUS IS NOT OCCUPIED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING AND MAINTAINING ALL FIRE WATCH LOGS.

4. ALL REMOVED AND/OR DEMOLISHED ELECTRICAL MATERIALS AND EQUIPMENT TO BE ACCOMPLISHED UNDER THIS CONTRACT, WHICH IN THE OPINION OF THE OWNER'S REPRESENTATIVE ARE DEEM SALVAGEABLE, SHALL REMAIN THE PROPERTY OF THE OWNER. ALL FIRE ALARM MATERIAL AND EQUIPMENT CONSIDERED NOT SALVAGEABLE SHALL BE REMOVED FROM THE SITE AND DISPOSED BY THE CONTRACTOR ACCORDINGLY.

5. WHERE REMOVAL OF AN EXISTING SYSTEM'S DEVICE WILL RESULT IN LOSS OF CIRCUIT CONTINUITY, THE ISOLATED PORTIONS OF THE CIRCUIT SHALL BE RECONNECTED TO PROVIDE SERVICE TO ALL REMAINING DEVICES. IF SITE CONDITIONS MAKE RECONNECTION IMPOSSIBLE, CONNECTION SHALL BE MADE FROM AN ADJACENT AVAILABLE DEVICE AS NOTED AND/OR AS DIRECTED BY THE ARCHITECT AND/OR THE OWNER'S REPRESENTATIVE.

6. WHEREVER EXISTING DEVICES, PANELS, CONDUITS, CABLES, ETC., CONFLICT WITH REMODEL WORK, WHETHER SHOWN OR NOT, RELOCATE THESE ITEMS AS DIRECTED BY THE ARCHITECT AND/OR OWNER'S REPRESENTATIVE AND REPAIR ALL SURFACES.

7.COORDINATE WITH OTHER TRADES AND PROMPTLY TRANSMIT ALL INFORMATION REQUIRED BY THEM. COORDINATE THE SEQUENCE OF DEMOLITION WITH OTHER TRADES TO ENSURE THAT ALL WORK PROCEEDS WITH A MINIMUM OF INTERFERENCE AND DELAY.

8. WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INSOFAR AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
a. REMOVE ALL WIRE AND CABLE.

b. REMOVE ALL DEVICES AND EQUIPMENT.
c. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREA, AS FAR AS POSSIBLE.
d. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.

AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AS AMENDED BY ARTICLE 91. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UJUS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY DISTRICT.

AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AS AMENDED BY ARTICLE 91. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UJUS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY DISTRICT.

1. REFER TO SHEETS FA1.01, FA1.02, FA1.03, AND FA1.04 FOR ADDITIONAL SITE SCOPE OF WORK.

- ① THE FIRE ALARM SYSTEM IN THIS AREA IS EXISTING AND OUTSIDE THIS SCOPE OF WORK. REFER TO DSA #02-117947 FOR ADDITIONAL INFORMATION. THIS (E) SYSTEM SHALL BE CONNECTED TO THE (N) FACP. REFER TO PLANS FOR ADDITIONAL INFORMATION.
- ② THIS AREA IS NOT OCCUPIED BY DISTRICT PERSONNEL AND/OR STUDENTS. AREA IS FENCED AND LOCKED, THEREFORE NO FIRE ALARM SYSTEM IS REQUIRED
- ③ THE (E) OUTDOOR ACTIVITIES AREA LOCATED TO THE SOUTH DO NOT CONTAIN SPACES THAT ARE OCCUPIED BY DISTRICT PERSONNEL AND/OR STUDENTS, THEREFORE NO FIRE ALARM SYSTEM IS REQUIRED.
- ④ (E) COVERED AGRICULTURAL STORAGE AREA. NO SCOPE OF WORK IN THIS STRUCTURE.
- ⑤ THE FIRE ALARM SYSTEM IN THIS AREA IS EXISTING TO REMAIN. REFER TO DSA #02-118537 FOR ADDITIONAL INFORMATION. THIS (E) SYSTEM SHALL BE CONNECTED TO THE (N) FACP. REFER TO PLANS FOR ADDITIONAL INFORMATION.
- ⑥ (N) FIRE ALARM CONTROL PANEL "FACP-SOUTH" LOCATED IN MAIN ADMIN BUILDING. MICROPHONE LOCATED INSIDE FACP.
- ⑦ (N) FIRE ALARM ANNUNCIATOR LOCATED IN MAIN ADMIN BUILDING.

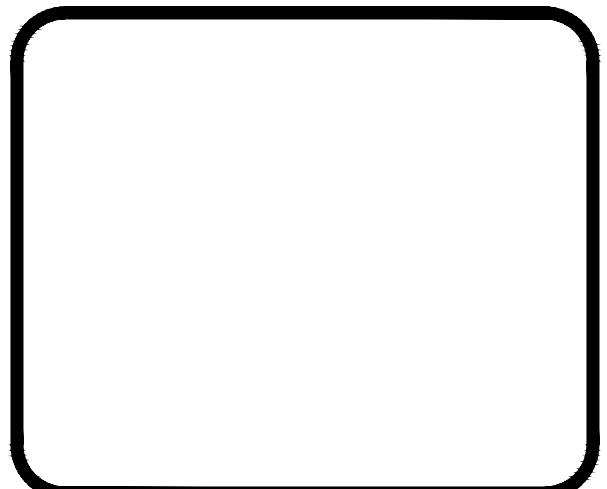
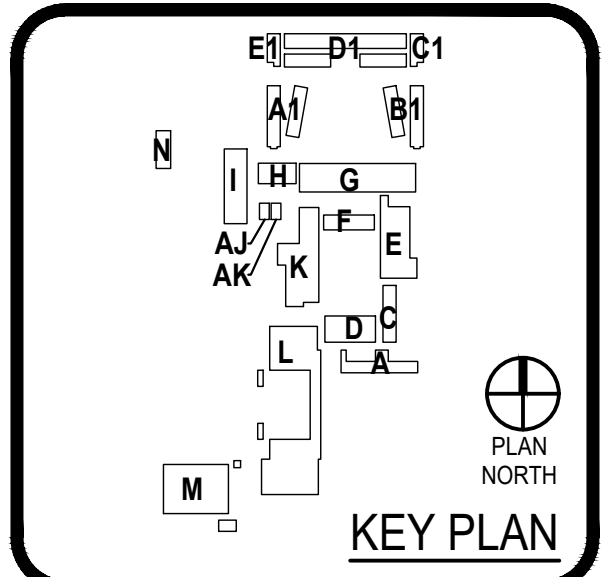


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LODI HIGH SCHOOL
CAMPUS WIDE FIRE ALARM UPGRADE



CLIENT LODI UNIFIED SCHOOL DISTRICT		
PROJECT NUMBER 19465		
DATE JULY 24, 2020		
REVISIONS		
#	DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS
PARTIAL FIRE
ALARM SITE
PLAN

FA1.01

- EXISTING "FAPS" TO BE DISCONNECTED AND REPLACED IN ITS ENTIRETY. REFER TO DEMO/NEW FLOOR PLANS FOR ADDITIONAL INFORMATION.
- EXISTING "FATC" TO BE RE-USED FOR NEW WORK. REFER TO DEMO/NEW FLOOR PLANS FOR ADDITIONAL INFORMATION.
- (N) 2"C. ON ROOF. PULL-IN (N) 2/AE.
- (E) 1-1/2"C. ON ROOF WITH (E) FIRE ALARM CONDUCTORS TO REMAIN FOR REUSE. RECONNECT TO NEW SLC CIRCUIT IN BLDG A. TO MAINTAIN CONTINUITY FOR A FULLY FUNCTIONING SYSTEM.
- (N) 2"C. ON ROOF. PULL-IN (N) 1/AE FOR NEW INITATION DEVICE CIRCUITS IN BLDG K AND M.
- (N) 2"C. ON ROOF. PULL-IN 3/AE FOR NEW INITATION DEVICE CIRCUITS.
- (E) UNDERGROUND CONDUIT TO REMAIN. PULL-IN (N) 1/AE, 3/B, 2/CE.
- (N) 2"C. ON ROOF. PULL-IN (N) CONDUCTORS AS TAGGED ON CONDUIT.
- (N) 2"C. ON ROOF. PULL-IN (N) 1/AE FOR FUTURE INITATION DEVICES.
- (E) UNDERGROUND CONDUIT TO REMAIN. PULL-IN (N) 1/AE, 2/B, 2/CE.
- (E) FIRE ALARM TERMINAL CABINET AND FIRE ALARM POWER SUPPLIES WILL BE UPGRADED IN THE FUTURE.
- (N) ROOF MOUNTED CONDUITS AND CONDUCTORS PENETRATING (E) EXTERIOR WALL AND ROUTING TO (N) FIRE ALARM CONTROL PANEL.
- PULL-IN THE CONDUCTOR FOR FUTURE CONNECTION TO AN UPGRADED FIRE ALARM SYSTEM IN THIS BUILDING.
- CONNECT THE CONDUCTOR TO THE EXISTING FIRE ALARM SYSTEM TO MAINTAIN CONTINUITY AND A FULLY FUNCTIONING SYSTEM.
- THIS FIBER NETWORK CABLE IS TO BE RUN TO THE EXISTING 'FACP-NORTH' TO CREATE A CAMPUS WIDE NETWORK FIRE ALARM SYSTEM.
- THIS FIBER NETWORK CABLE IS TO BE DAISY CHAINED BETWEEN ALL VOICE AMPLIFIERS.

GENERAL NOTES

- REFER TO RESPECTIVE FLOOR PLANS FOR ADDITIONAL INFORMATION.
- ALL RE-USED CONDUIT RUNS ON ROOF THAT ARE DISCONNECTED OR BROKEN NEED TO BE REATTACHED WITH COUPLINGS AS NECESSARY.
- ALL (E) EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE (E) DOCUMENTS AND LIMITED SITE SURVEYS THEREFORE, ARE SHOWN FOR CLARITY AND SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL (E) LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
- MAINTAIN CIRCUIT CONTINUITY FOR THOSE (E) FIRE ALARM INITATION AND NOTIFICATION CIRCUITS TO REMAIN. PROVIDE NECESSARY HARDWARE FOR A COMPLETE AND FULLY FUNCTIONING SYSTEM. PROVIDE FIRE WATCH ANYTIME THE CAMPUS AND/OR BUILDING IS NOT BEING MONITORED.
- (E) ELECTRICAL PANEL ARE SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- WHERE (E) WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INSOFAR AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
 - REMOVE ALL WIRE AND CABLE.
 - REMOVE ALL DEVICES AND EQUIPMENT.
 - REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREA, AS FAR AS POSSIBLE.
 - CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
 - REPAIR ANY BUILDING SURFACE DAMAGED WHILE PERFORMING WORK ON THIS SCOPE OF WORK.
- FIRE ALARM SYSTEM INSTALLATION SHALL COMPLY WITH ALL REQUIREMENTS OF APPLICABLE CODES, STANDARDS, AND STATE REGULATIONS.
- FIRE ALARM CIRCUIT ROUTING IS SHOWN SCHEMATICALLY FOR CLARITY ILLUSTRATING THE WIRING CONFIGURATION NECESSARY FOR PROPER CIRCUIT SUPERVISION.
- ALL EXTERIOR SPEAKERS SHALL BE SET AT 2 WATT UNLESS OTHERWISE NOTED ON THESE PLANS.
- CONTRACTOR SHALL UTILIZE EXISTING COVERED BREEZEWAY STRUCTURE TO ROUTE CONDUITS FROM BUILDING TO BUILDING, UNLESS OTHERWISE NOTED. NO TRENCHING REQUIRED BASED ON DESIGN SHOWN HEREIN WITH UTILIZATION OF EXISTING CONDUITS AS IDENTIFIED ON THESE SHEET.
- ALL (N) EXTERIOR ENCLOSURES SHALL BE NEMA 3R.

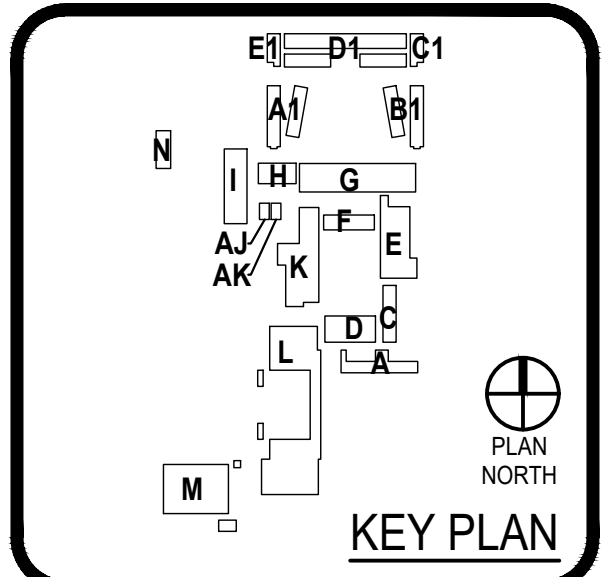


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LODI HIGH SCHOOL
CAMPUS WIDE FIRE ALARM UPGRADE



CLIENT		
LODI UNIFIED SCHOOL DISTRICT		
PROJECT NUMBER 19465		
DATE JULY 24, 2020		
REVISIONS		
#	DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS
PARTIAL FIRE ALARM SITE PLAN

FA1.02

1. EXISTING "FAPS" TO BE DISCONNECTED AND REPLACED IN ITS ENTIRETY. REFER TO DEMO/NEW FLOOR PLANS FOR ADDITIONAL INFORMATION.
2. EXISTING "FATC" TO BE RE-USED FOR NEW WORK. REFER TO DEMO/NEW FLOOR PLANS FOR ADDITIONAL INFORMATION.
3. (N) 2" C. ON ROOF. PULL-IN (N) CONDUCTORS AS TAGGED ON CONDUIT.
4. (E) 1-1/2" C. UNDERGROUND TO REMAIN. PULL-IN (N) 1/AE, 1/B, 2/CE.
5. (E) 1-1/2" C. UNDERGROUND TO REMAIN. PULL-IN (N) 1/AE, 2/B, 2/CE.

GENERAL NOTES

1. REFER TO RESPECTIVE FLOOR PLANS FOR ADDITIONAL INFORMATION.
2. ALL RE-USED CONDUIT RUNS ON ROOF THAT ARE DISCONNECTED OR BROKEN NEED TO BE REATTACHED WITH COUPLINGS AS NECESSARY.
3. ALL (E) EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE (E) DOCUMENTS AND LIMITED SITE SURVEYS THEREFORE, ARE SHOWN FOR CLARITY AND SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL (E) LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
4. MAINTAIN CIRCUIT CONTINUITY FOR THOSE (E) FIRE ALARM INITIATION AND NOTIFICATION CIRCUITS TO REMAIN. PROVIDE NECESSARY HARDWARE FOR A COMPLETE AND FULLY FUNCTIONING SYSTEM. PROVIDE FIRE WATCH ANYTIME THE CAMPUS AND/OR BUILDING IS NOT BEING MONITORED.
5. (E) ELECTRICAL PANEL ARE SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
6. WHERE (E) WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INSOFAR AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
 - 6.1. REMOVE ALL WIRE AND CABLE.
 - 6.1. REMOVE ALL DEVICES AND EQUIPMENT.
 - 6.1. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREA, AS FAR AS POSSIBLE.
 - 6.1. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
 - 6.1. REPAIR ANY BUILDING SURFACE DAMAGED WHILE PERFORMING WORK ON THIS SCOPE OF WORK.
7. FIRE ALARM SYSTEM INSTALLATION SHALL COMPLY WITH ALL REQUIREMENTS OF APPLICABLE CODES, STANDARDS, AND STATE REGULATIONS.
8. FIRE ALARM CIRCUIT ROUTING IS SHOWN SCHEMATICALLY FOR CLARITY ILLUSTRATING THE WIRING CONFIGURATION NECESSARY FOR PROPER CIRCUIT SUPERVISION.
9. ALL EXTERIOR SPEAKERS SHALL BE SET AT 2 WATT UNLESS OTHERWISE NOTED ON THESE PLANS.
10. CONTRACTOR SHALL UTILIZE EXISTING COVERED BREEZEWAY STRUCTURE TO ROUTE CONDUITS FROM BUILDING TO BUILDING, UNLESS OTHERWISE NOTED. NO TRENCHING REQUIRED BASED ON DESIGN SHOWN HEREIN WITH UTILIZATION OF EXISTING CONDUITS AS IDENTIFIED ON THESE SHEET.
11. ALL (N) EXTERIOR ENCLOSURES SHALL BE NEMA 3R.





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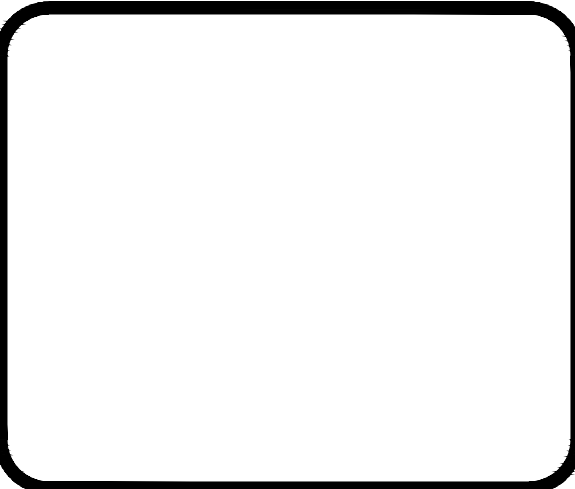
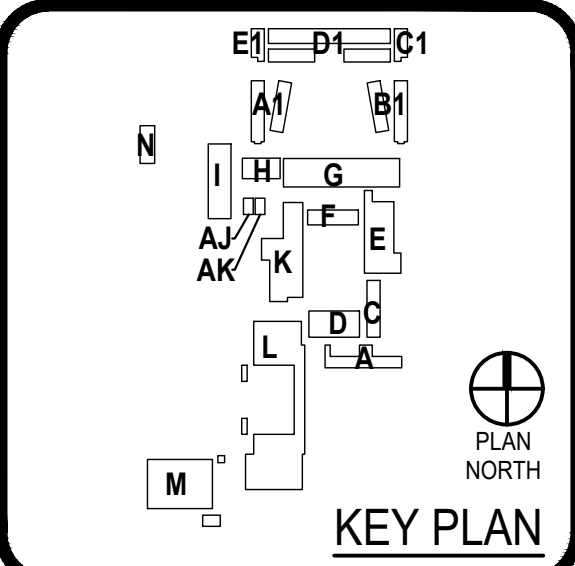
LODI HIGH SCHOOL
CAMPUS WIDE FIRE ALARM UPGRADE



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DSA App. # 02-118482

PTN: 68655-212

CONSTRUCTION DOCUMENTS



CLIENT LODI UNIFIED SCHOOL DISTRICT		
PROJECT NUMBER 19465		
DATE JULY 24, 2020		
REVISIONS		
#	DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS

PARTIAL FIRE
ALARM SITE
PLAN

FA1.03

④

1. EXISTING "FAPS" TO BE DISCONNECTED AND REPLACED IN ITS ENTIRETY. REFER TO DEMO/NEW FLOOR PLANS FOR ADDITIONAL INFORMATION.
2. EXISTING "FATC" TO BE RE-USED FOR NEW WORK. REFER TO DEMO/NEW FLOOR PLANS FOR ADDITIONAL INFORMATION.
3. (E) UNDERGROUND CONDUIT TO REMAIN. PULL-IN (N) 1/AE, 2/B, 2/CE.

GENERAL NOTES

1. REFER TO RESPECTIVE FLOOR PLANS FOR ADDITIONAL INFORMATION.
2. ALL RE-USED CONDUIT RUNS ON ROOF THAT ARE DISCONNECTED OR BROKEN NEED TO BE REATTACHED WITH COUPLINGS AS NECESSARY.
3. ALL (E) EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE (E) DOCUMENTS AND LIMITED SITE SURVEYS THEREFORE, ARE SHOWN FOR CLARITY AND SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL (E) LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
4. MAINTAIN CIRCUIT CONTINUITY FOR THOSE (E) FIRE ALARM INITIATION AND NOTIFICATION CIRCUITS TO REMAIN. PROVIDE NECESSARY HARDWARE FOR A COMPLETE AND FULLY FUNCTIONING SYSTEM. PROVIDE FIRE WATCH ANYTIME THE CAMPUS AND/OR BUILDING IS NOT BEING MONITORED.
5. (E) ELECTRICAL PANEL ARE SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
6. WHERE (E) WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INsofar AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
 - 6.1. REMOVE ALL WIRE AND CABLE.
 - 6.1. REMOVE ALL DEVICES AND EQUIPMENT.
 - 6.1. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREA, AS FAR AS POSSIBLE.
 - 6.1. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
 - 6.1. REPAIR ANY BUILDING SURFACE DAMAGED WHILE PERFORMING WORK ON THIS SCOPE OF WORK.
7. FIRE ALARM SYSTEM INSTALLATION SHALL COMPLY WITH ALL REQUIREMENTS OF APPLICABLE CODES, STANDARDS, AND STATE REGULATIONS.
8. FIRE ALARM CIRCUIT ROUTING IS SHOWN SCHEMATICALLY FOR CLARITY ILLUSTRATING THE WIRING CONFIGURATION NECESSARY FOR PROPER CIRCUIT SUPERVISION.
9. ALL EXTERIOR SPEAKERS SHALL BE SET AT 2 WATT UNLESS OTHERWISE NOTED ON THESE PLANS.
10. CONTRACTOR SHALL UTILIZE EXISTING COVERED BREEZEWAY STRUCTURE TO ROUTE CONDUITS FROM BUILDING TO BUILDING, UNLESS OTHERWISE NOTED. NO TRENCHING REQUIRED BASED ON DESIGN SHOWN HEREIN WITH UTILIZATION OF EXISTING CONDUITS AS IDENTIFIED ON THESE SHEET.
11. ALL (N) EXTERIOR ENCLOSURES SHALL BE NEMA 3R.



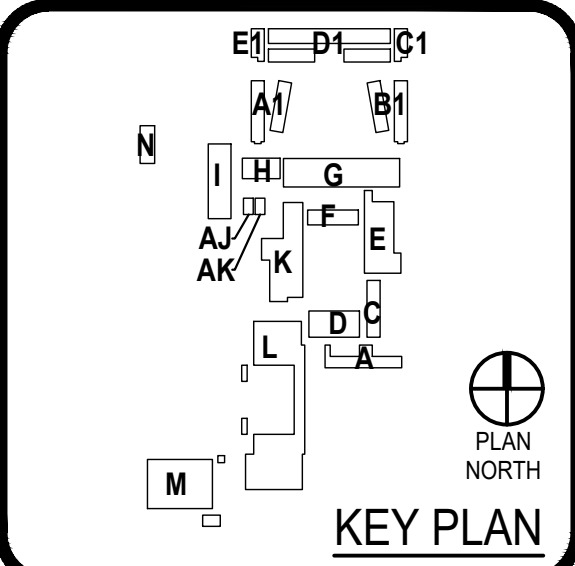
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LODI HIGH SCHOOL
CAMPUS WIDE FIRE ALARM UPGRADE

3 South Pacific Avenue
Lodi, CA 95242
DSA App. # 02-118482
CONSTRUCTION DOCUMENTS
PTN: 68655-212



CLIENT LODI UNIFIED SCHOOL DISTRICT		
PROJECT NUMBER 19465		
DATE JULY 24, 2020		
REVISIONS		
#	DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS

PARTIAL FIRE
ALARM SITE
PLAN

FA1.04

1

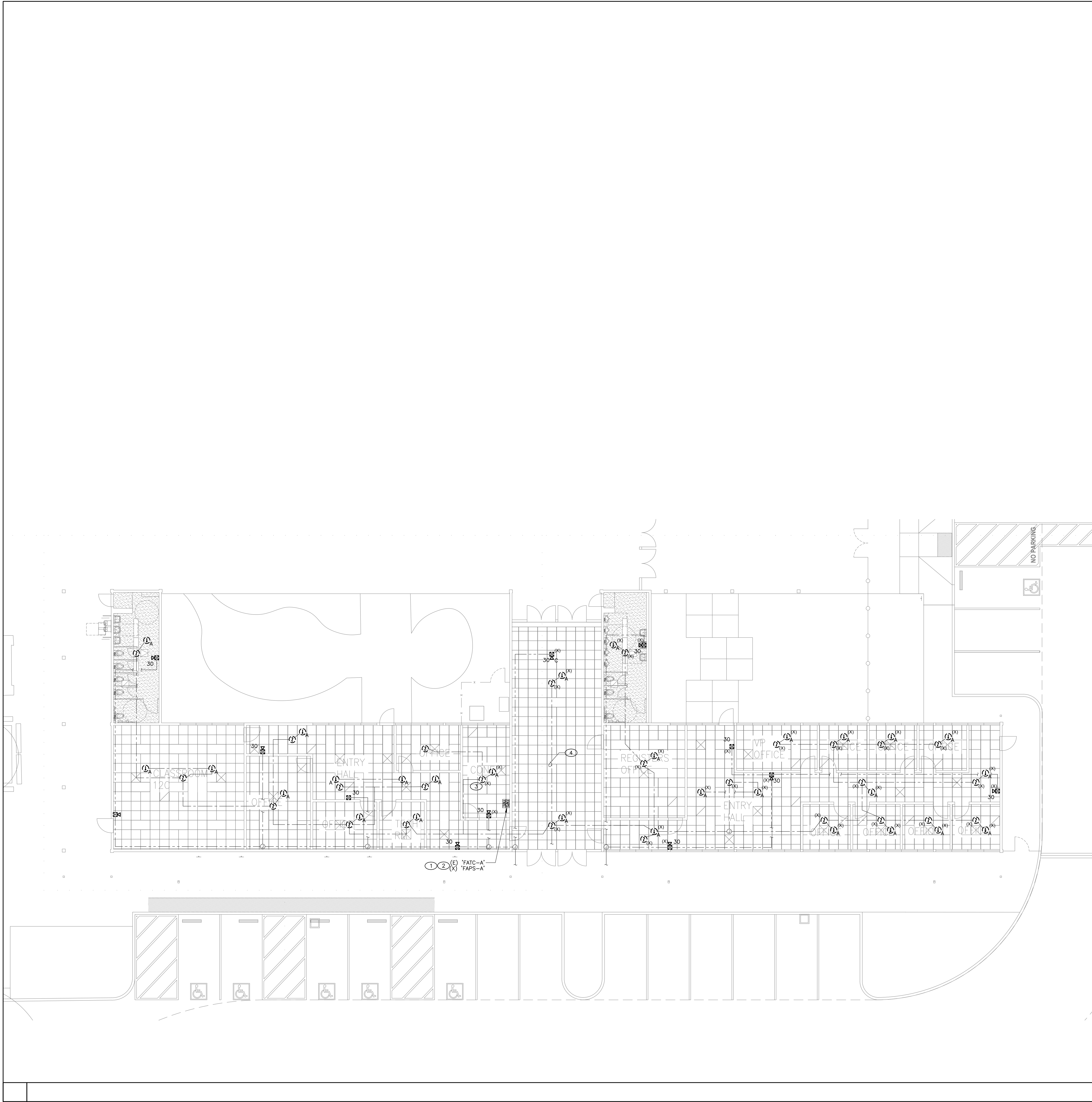
1. EXISTING "FAPS" TO BE DISCONNECTED AND REPLACED IN ITS ENTIRETY. REFER TO DEMO/NEW FLOOR PLANS FOR ADDITIONAL INFORMATION.
2. EXISTING "FATC" TO BE RE-USED FOR NEW WORK. REFER TO DEMO/NEW FLOOR PLANS FOR ADDITIONAL INFORMATION.
3. (E) 1-1/2" C. UNDERGROUND TO REMAIN. PULL-IN (N) 1/AE, 1/B, 2/CE.
4. (E) 1-1/2" C. UNDERGROUND TO REMAIN. PULL-IN (N) 1/AE, 1/B, 1/CE.
5. (E) 1-1/2" C. UNDERGROUND TO REMAIN. PULL-IN (N) 1/AE, 2/B, 1/CE.
6. (E) 1-1/2" C. UNDERGROUND TO REMAIN. PULL-IN (N) 1/B.

GENERAL NOTES

1. REFER TO RESPECTIVE FLOOR PLANS FOR ADDITIONAL INFORMATION.
2. ALL RE-USED CONDUIT RUNS ON ROOF THAT ARE DISCONNECTED OR BROKEN NEED TO BE REATTACHED WITH COUPLINGS AS NECESSARY.
3. ALL (E) EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE (E) DOCUMENTS AND LIMITED SITE SURVEYS THEREFORE, ARE SHOWN FOR CLARITY AND SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL (E) LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
4. MAINTAIN CIRCUIT CONTINUITY FOR THOSE (E) FIRE ALARM INITIATION AND NOTIFICATION CIRCUITS TO REMAIN. PROVIDE NECESSARY HARDWARE FOR A COMPLETE AND FULLY FUNCTIONING SYSTEM. PROVIDE FIRE WATCH ANYTIME THE CAMPUS AND/OR BUILDING IS NOT BEING MONITORED.
5. (E) ELECTRICAL PANEL ARE SHOWN FOR REFERENCE ONLY. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
6. WHERE (E) WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INSOFAR AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
 - 6.1. REMOVE ALL WIRE AND CABLE.
 - 6.1. REMOVE ALL DEVICES AND EQUIPMENT.
 - 6.1. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREA, AS FAR AS POSSIBLE.
 - 6.1. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
 - 6.1. REPAIR ANY BUILDING SURFACE DAMAGED WHILE PERFORMING WORK ON THIS SCOPE OF WORK.
7. FIRE ALARM SYSTEM INSTALLATION SHALL COMPLY WITH ALL REQUIREMENTS OF APPLICABLE CODES, STANDARDS, AND STATE REGULATIONS.
8. FIRE ALARM CIRCUIT ROUTING IS SHOWN SCHEMATICALLY FOR CLARITY ILLUSTRATING THE WIRING CONFIGURATION NECESSARY FOR PROPER CIRCUIT SUPERVISION.
9. ALL EXTERIOR SPEAKERS SHALL BE SET AT 2 WATT UNLESS OTHERWISE NOTED ON THESE PLANS.
10. CONTRACTOR SHALL UTILIZE EXISTING COVERED BREEZEWAY STRUCTURE TO ROUTE CONDUITS FROM BUILDING TO BUILDING, UNLESS OTHERWISE NOTED. NO TRENCHING REQUIRED BASED ON DESIGN SHOWN HEREIN WITH UTILIZATION OF EXISTING CONDUITS AS IDENTIFIED ON THESE SHEET.
11. ALL (N) EXTERIOR ENCLOSURES SHALL BE NEMA 3R.



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⑧

- EXISTING FAPS TO BE REPLACED. DISCONNECT AND REMOVE ENCLOSURE AND ALL FIRE ALARM CONDUCTORS BACK TO LAST REMAINING DEVICE. MAINTAIN CONDUIT CONTINUITY AND PENETRATIONS FOR RE-USE IN NEW WORK. DISCONNECT AND REMOVE EXISTING 120V BRANCH CIRCUIT BACK TO LAST REMAINING DEVICE ON THIS CIRCUIT.
- EXISTING 'FATS' TO REMAIN. DISCONNECT AND REMOVE ALL FIRE ALARM CONDUCTORS BACK TO LAST REMAINING DEVICE. MAINTAIN CONDUIT CONTINUITY AND PENETRATIONS FOR RE-USE IN NEW WORK. MAINTAIN CIRCUIT CONTINUITY OF OTHER SYSTEMS LOCATED INSIDE EXISTING ENCLOSURE.
- TYPICAL EXISTING DEVICE TO BE REPLACED. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION.
- TYPICAL EXISTING CONDUIT TO REMAIN. DISCONNECT AND REMOVE ALL FIRE ALARM CONDUCTORS BACK TO LAST REMAINING DEVICE. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION.

GENERAL NOTES

- ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
- WHERE EXISTING FIRE ALARM INITIATION DEVICES AND NOTIFICATION DEVICES SHOWN AS DEMO THE CONTRACTOR SHALL REMOVE THE DEVICE(S) ONLY. ALL BACKBOXES AND CONDUIT SHALL REMAIN FOR RE-USE. SEE NEW FLOOR PLANS FOR ADDITIONAL INFORMATION.
- WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INSOFAR AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
 - REMOVE ALL WIRE AND CABLE.
 - REMOVE ALL DEVICES AND EQUIPMENT.
 - REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREA, AS FAR AS POSSIBLE.
 - CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.



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DATE: 09/23/2020

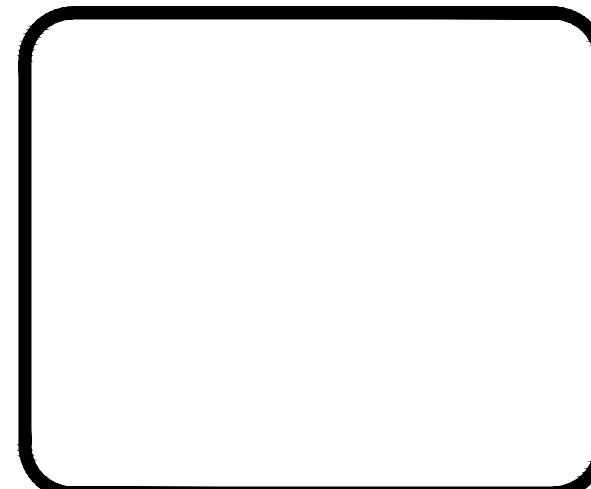
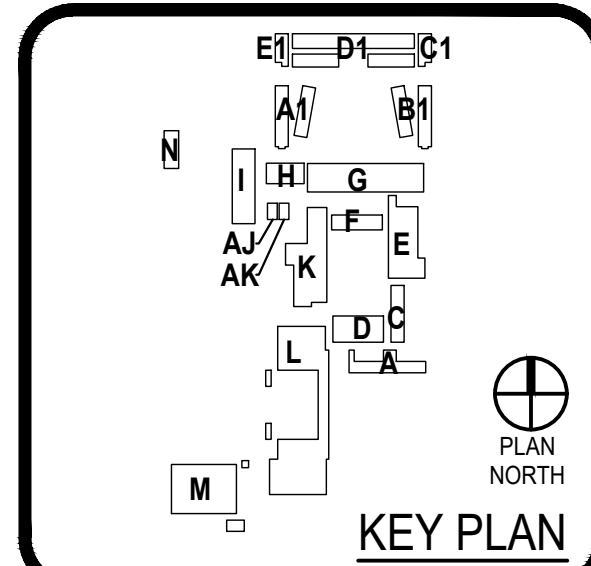


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LODI HIGH SCHOOL
CAMPUS WIDE FIRE ALARM UPGRADE

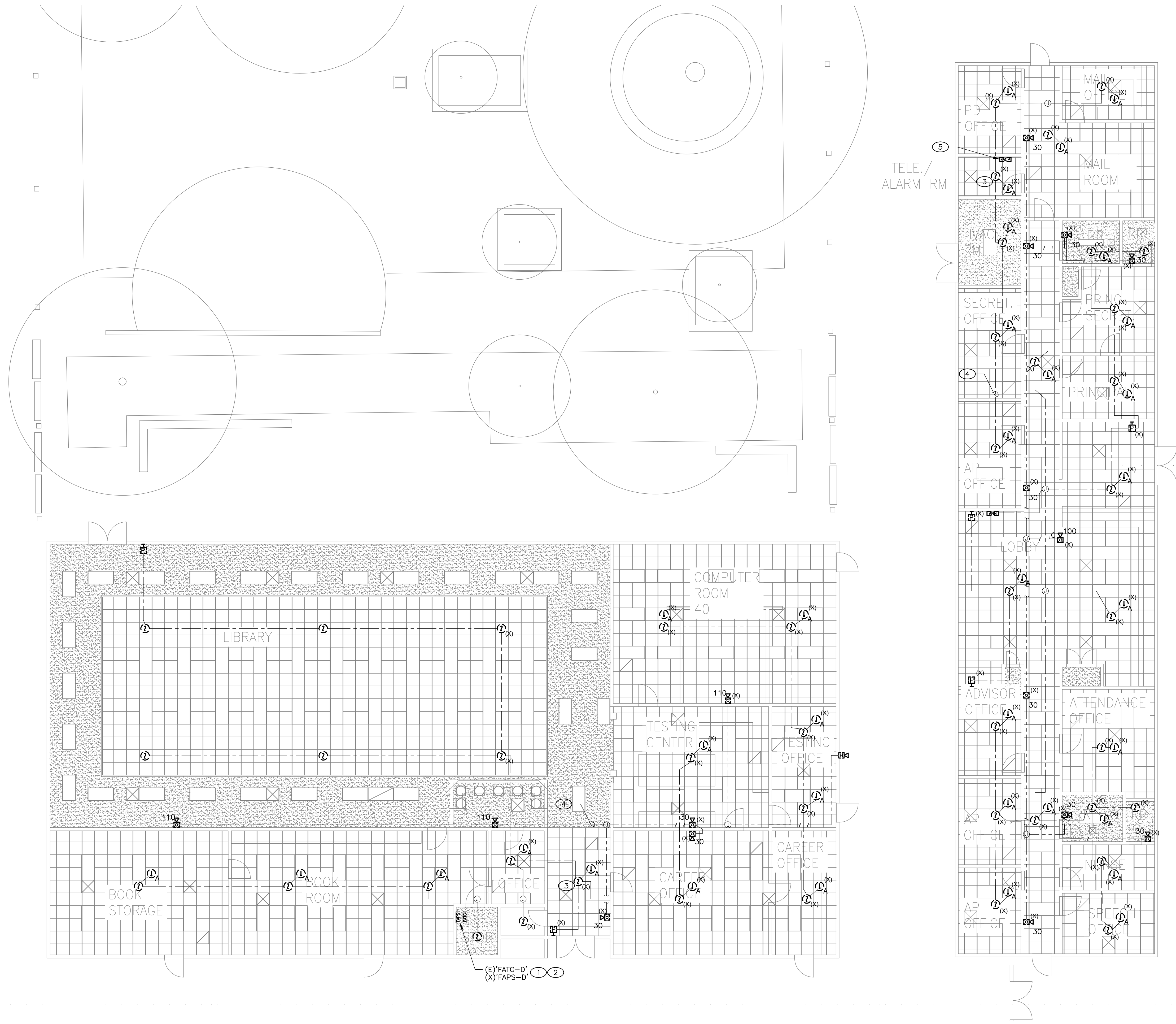
3 South Pacific Avenue
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LODI UNIFIED SCHOOL DISTRICT		
PROJECT NUMBER		
19465		
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CONSTRUCTION DOCUMENTS
DEMOLITION FIRE
ALARM PLAN -
BUILDING A

FA2.01



8

- 1 EXISTING FAPS TO BE REPLACED. DISCONNECT AND REMOVE ENCLOSURE AND ALL FIRE ALARM CONDUCTORS BACK TO LAST REMAINING DEVICE. MAINTAIN CONDUIT CONTINUITY AND PENETRATIONS FOR RE-USE IN NEW WORK. DISCONNECT AND REMOVE EXISTING 120V BRANCH CIRCUIT BACK TO LAST REMAINING DEVICE ON THIS CIRCUIT.
- 2 EXISTING FACS TO REMAIN. DISCONNECT AND REMOVE ALL FIRE ALARM CONDUCTORS BACK TO LAST REMAINING DEVICE. MAINTAIN CONDUIT CONTINUITY AND PENETRATIONS FOR RE-USE IN NEW WORK. MAINTAIN CIRCUIT CONTINUITY OF OTHER SYSTEMS LOCATED INSIDE EXISTING ENCLOSURE.
- 3 TYPICAL EXISTING DEVICE TO BE REPLACED. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION.
- 4 TYPICAL EXISTING CONDUIT TO REMAIN. DISCONNECT AND REMOVE ALL FIRE ALARM CONDUCTORS BACK TO LAST REMAINING DEVICE. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION.
- 5 EXISTING FACS TO BE REMOVED AND RELOCATED. REFER TO NEW PLANS FOR NEW LOCATION. DISCONNECT AND REMOVE ENCLOSURE AND ALL FIRE ALARM CONDUCTORS IN THEIR ENTIRETY. DISCONNECT AND REMOVE EXISTING 120V BRANCH CIRCUIT BACK TO LAST REMAINING DEVICE ON THIS CIRCUIT. PATCH AND PAINT WALL TO MATCH EXISTING ADJACENT WALL SURFACE.

GENERAL NOTES


1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
2. WHERE EXISTING FIRE ALARM INITIATION DEVICES AND NOTIFICATION DEVICES SHOWN AS DEMO THE CONTRACTOR SHALL REMOVE THE DEVICE(S) ONLY. ALL BACKBOXES AND CONDUIT SHALL REMAIN FOR RE-USE. SEE NEW FLOOR PLANS FOR ADDITIONAL INFORMATION.
3. WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INSOFAR AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
 - a. REMOVE ALL WIRE AND CABLE.
 - b. REMOVE ALL DEVICES AND EQUIPMENT.
 - c. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREA, AS FAR AS POSSIBLE.
 - d. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.

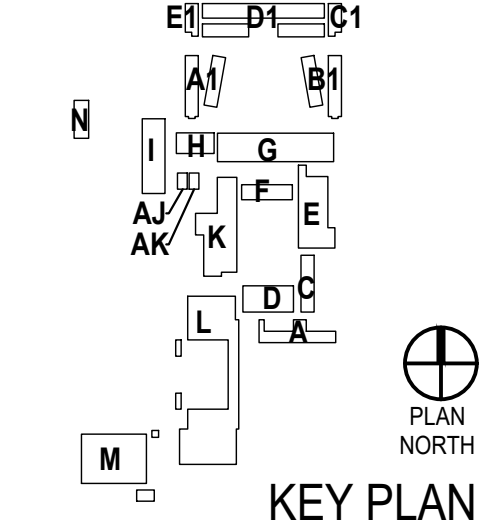


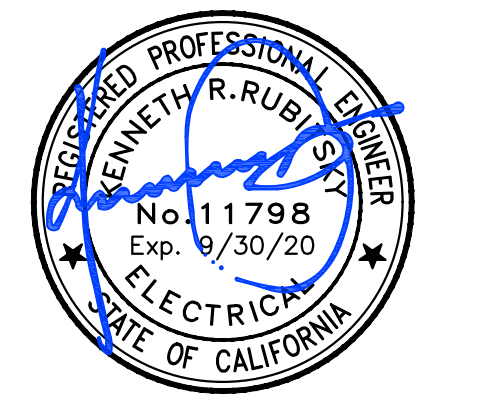
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LODI HIGH SCHOOL
CAMPUS WIDE FIRE ALARM UPGRADE
3 South Pacific Avenue
Lodi, CA 93242
DSA App. # 02-118482
CONSTRUCTION DOCUMENTS PTN: 68565-212


Lodi
Unified School District

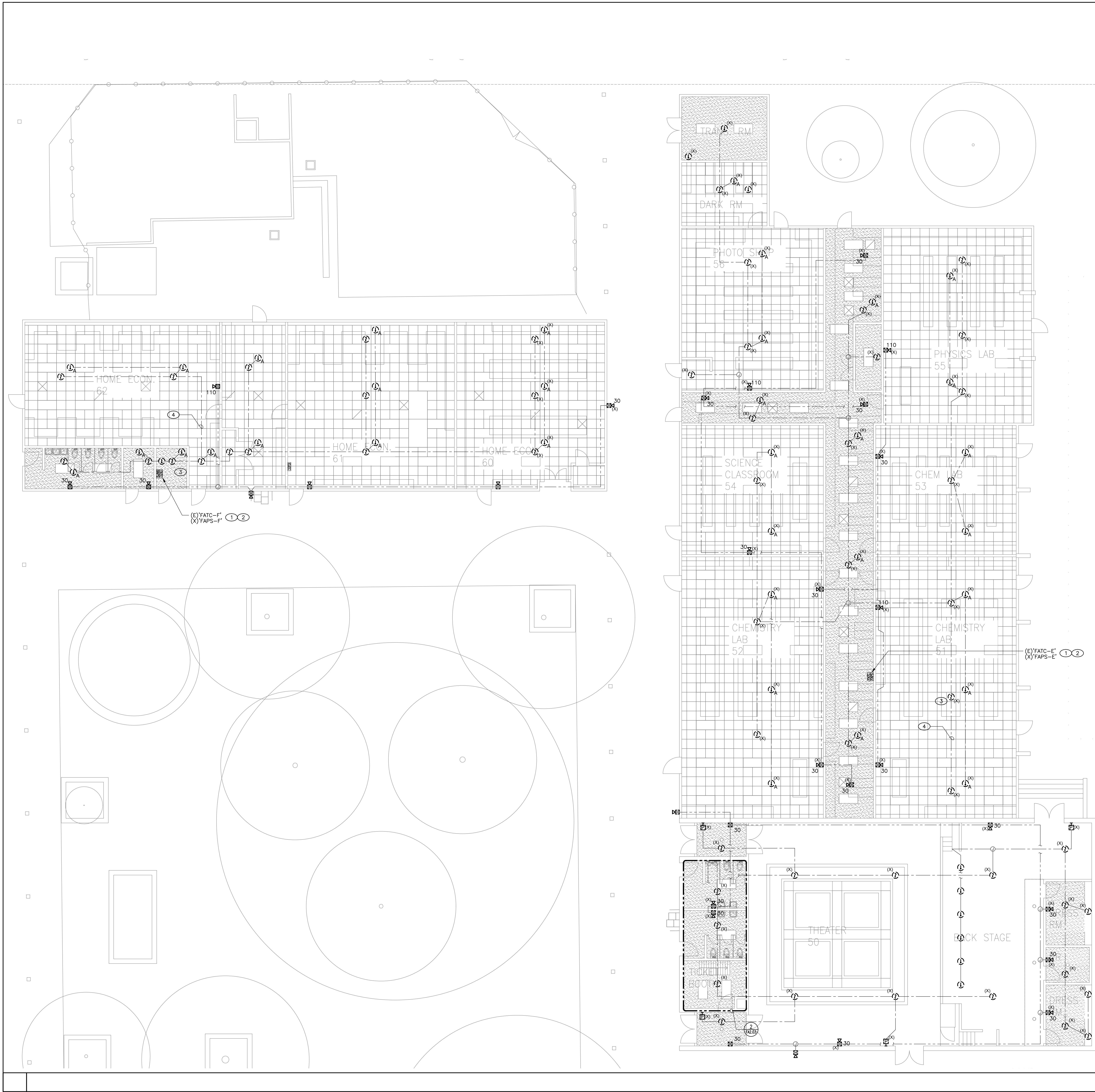

KEY PLAN



CLIENT
LODI UNIFIED SCHOOL DISTRICT
PROJECT NUMBER
19465
DATE
JULY 24, 2020
REVISIONS
DESCRIPTION DATE

CONSTRUCTION DOCUMENTS
DEMOLITION FIRE ALARM PLAN - BUILDING C & D

FA2.02



1. EXISTING FAPS TO BE REPLACED. DISCONNECT AND REMOVE ENCLOSURE AND ALL FIRE ALARM CONDUCTORS BACK TO LAST REMAINING DEVICE. MAINTAIN CONDUIT CONTINUITY AND PENETRATIONS FOR RE-USE IN NEW WORK. DISCONNECT AND REMOVE EXISTING 120V BRANCH CIRCUIT BACK TO LAST REMAINING DEVICE ON THIS CIRCUIT.

2. EXISTING FATS TO REMAIN. DISCONNECT AND REMOVE ALL FIRE ALARM CONDUCTORS BACK TO LAST REMAINING DEVICE. MAINTAIN CONDUIT CONTINUITY AND PENETRATIONS FOR RE-USE IN NEW WORK. MAINTAIN CIRCUIT CONTINUITY OF OTHER SYSTEMS LOCATED INSIDE EXISTING ENCLOSURE.

3. TYPICAL EXISTING DEVICE TO BE REPLACED. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION.

4. TYPICAL EXISTING CONDUIT TO REMAIN. DISCONNECT AND REMOVE ALL FIRE ALARM CONDUCTORS BACK TO LAST REMAINING DEVICE. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION.

GENERAL NOTES

1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.

2. WHERE EXISTING FIRE ALARM INITIATION DEVICES AND NOTIFICATION DEVICES SHOWN AS DEMO THE CONTRACTOR SHALL REMOVE THE DEVICE(S) ONLY. ALL BACKBOXES AND CONDUIT SHALL REMAIN FOR RE-USE. SEE NEW FLOOR PLANS FOR ADDITIONAL INFORMATION.

3. WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INSOFAR AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:

- a. REMOVE ALL WIRE AND CABLE.
- b. REMOVE ALL DEVICES AND EQUIPMENT.
- c. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREA, AS FAR AS POSSIBLE.
- d. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.

2. FIRE ALARM BLDG E ENLARGED MEZZANINE PLAN

SCALE: 1/8" = 1'-0"

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LODI HIGH SCHOOL
CAMPUS WIDE FIRE ALARM UPGRADE

3 South Pacific Avenue
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DSA App # 02-118482

CONSTRUCTION DOCUMENTS PTN: 65655-212

KEY PLAN

PROFESSIONAL ENGINEER
BENJAMIN R. RUBIN
No. 11798
Exp. 9/30/20
ELECTRONIC
STATE OF CALIFORNIA

CLIENT
LODI UNIFIED SCHOOL DISTRICT
PROJECT NUMBER
19465
DATE
JULY 24, 2020
REVISIONS
DESCRIPTION DATE
CONSTRUCTION DOCUMENTS
DEMOLITION FIRE ALARM PLAN - BUILDING E & F

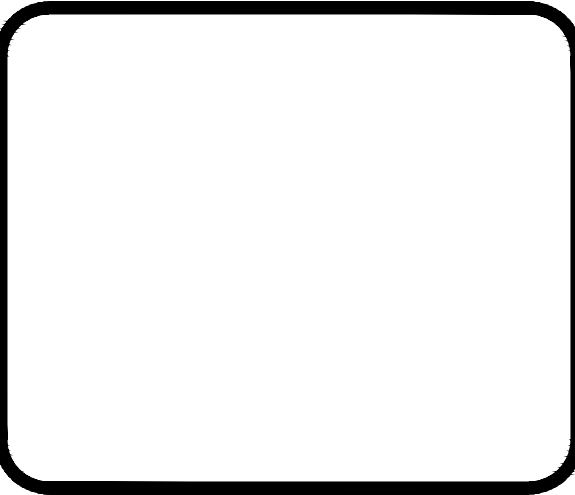
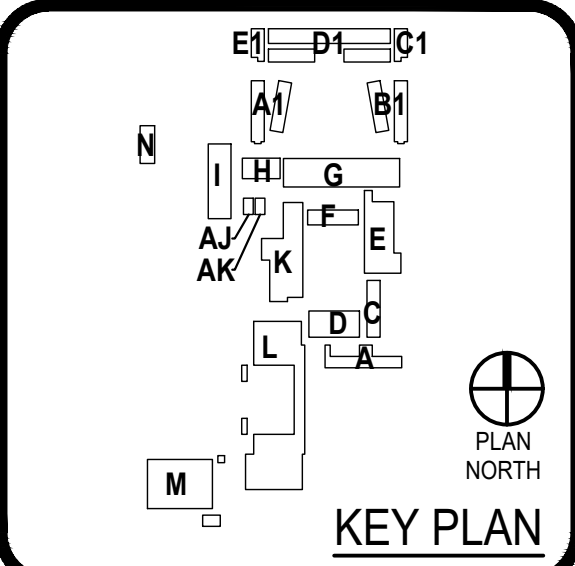


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LODI HIGH SCHOOL
CAMPUS WIDE FIRE ALARM UPGRADE

3 South Pacific Avenue
Lodi, CA 95242
DSA App. # 02-118482
CONSTRUCTION DOCUMENTS
PTN: 68655-212



CLIENT LODI UNIFIED SCHOOL DISTRICT		
PROJECT NUMBER 19465		
DATE JULY 24, 2020		
REVISIONS		
#	DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS

DEMOLITION FIRE
ALARM PLAN -
BUILDING G

FA2.04

8

- EXISTING FAPS TO BE REPLACED. DISCONNECT AND REMOVE ENCLOSURE AND ALL FIRE ALARM CONDUCTORS BACK TO LAST REMAINING DEVICE. MAINTAIN CONDUIT CONTINUITY AND PENETRATIONS FOR RE-USE IN NEW WORK. DISCONNECT AND REMOVE EXISTING 120V BRANCH CIRCUIT BACK TO LAST REMAINING DEVICE ON THIS CIRCUIT.
- EXISTING 'FATS' TO REMAIN. DISCONNECT AND REMOVE ALL FIRE ALARM CONDUCTORS BACK TO LAST REMAINING DEVICE. MAINTAIN CONDUIT CONTINUITY AND PENETRATIONS FOR RE-USE IN NEW WORK. MAINTAIN CIRCUIT CONTINUITY OF OTHER SYSTEMS LOCATED INSIDE EXISTING ENCLOSURE.
- TYPICAL EXISTING DEVICE TO BE REPLACED. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION.
- TYPICAL EXISTING CONDUIT TO REMAIN. DISCONNECT AND REMOVE ALL FIRE ALARM CONDUCTORS BACK TO LAST REMAINING DEVICE. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION.

GENERAL NOTES

- ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
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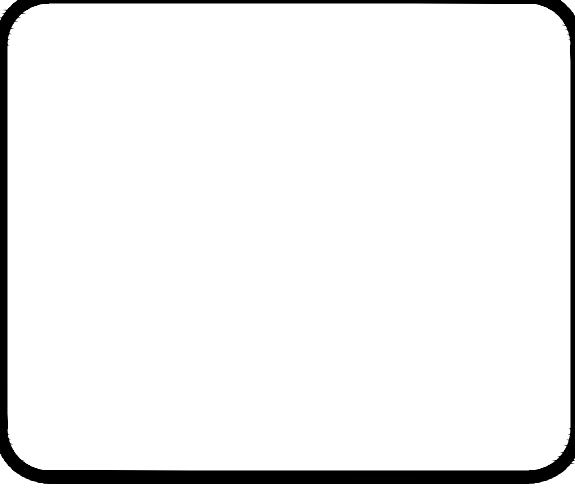
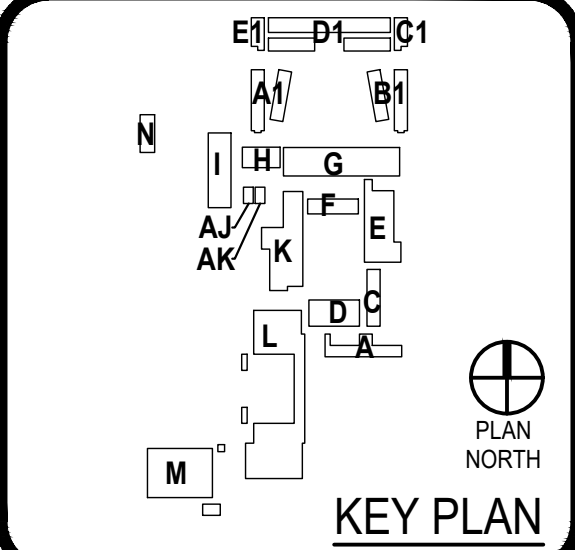


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LODI HIGH SCHOOL
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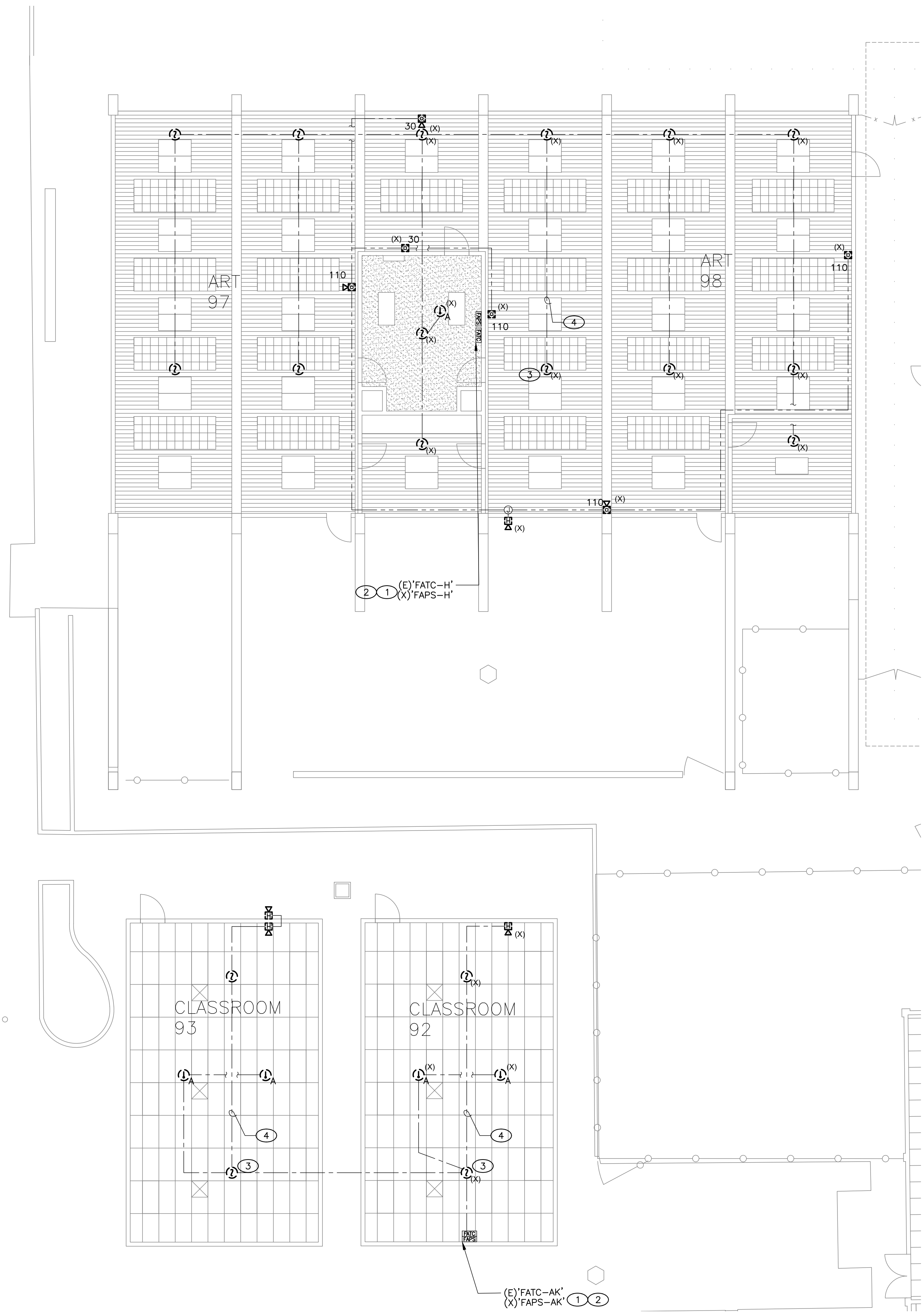
CONSTRUCTION DOCUMENTS

DEMOLITION FIRE
ALARM PLAN -
BUILDING H, AJ, &
AK

FA2.05

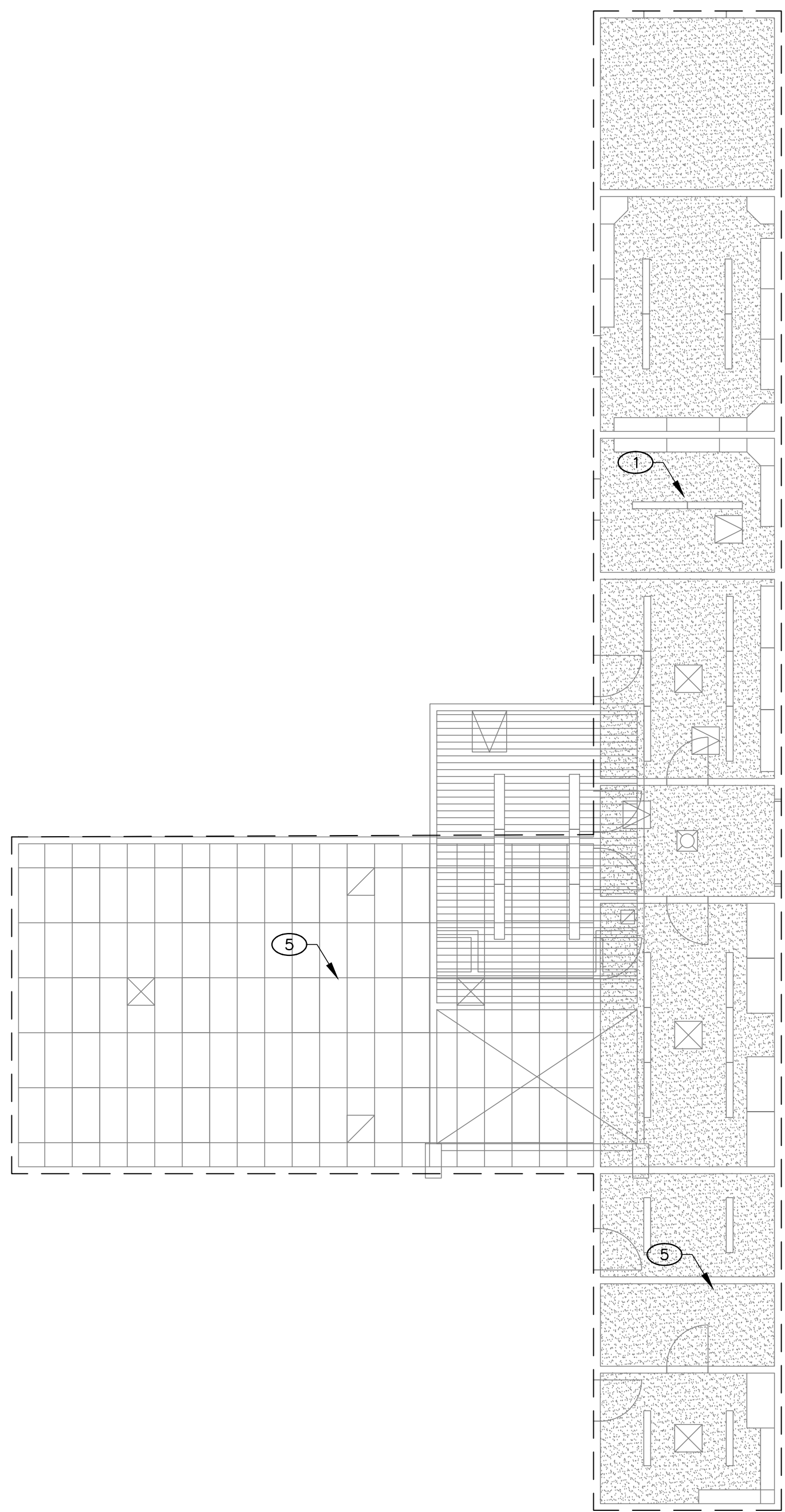
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- EXISTING FAPS TO BE REPLACED. DISCONNECT AND REMOVE ENCLOSURE AND ALL FIRE ALARM CONDUCTORS BACK TO LAST REMAINING DEVICE. MAINTAIN CONDUIT CONTINUITY AND PENETRATIONS FOR RE-USE IN NEW WORK. DISCONNECT AND REMOVE EXISTING 120V BRANCH CIRCUIT BACK TO LAST REMAINING DEVICE ON THIS CIRCUIT.
- EXISTING 'FATC' TO REMAIN. DISCONNECT AND REMOVE ALL FIRE ALARM CONDUCTORS BACK TO LAST REMAINING DEVICE. MAINTAIN CONDUIT CONTINUITY AND PENETRATIONS FOR RE-USE IN NEW WORK. MAINTAIN CIRCUIT CONTINUITY OF OTHER SYSTEMS LOCATED INSIDE EXISTING ENCLOSURE.
- TYPICAL EXISTING DEVICE TO BE REPLACED. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION.
- TYPICAL EXISTING CONDUIT TO REMAIN. DISCONNECT AND REMOVE ALL FIRE ALARM CONDUCTORS BACK TO LAST REMAINING DEVICE. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION.

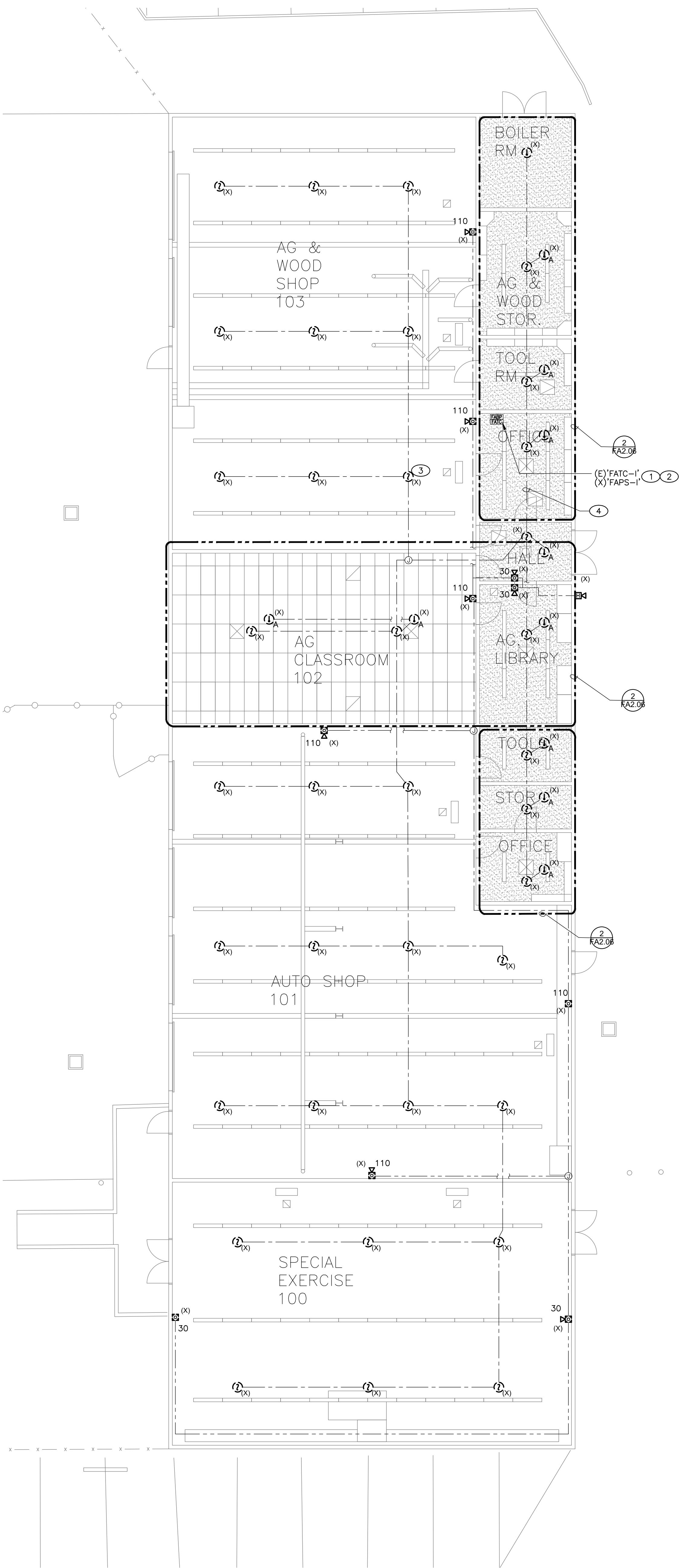


GENERAL NOTES

- ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
- WHERE EXISTING FIRE ALARM INITIATION DEVICES AND NOTIFICATION DEVICES SHOWN AS DEMO THE CONTRACTOR SHALL REMOVE THE DEVICE(S) ONLY. ALL BACKBOXES AND CONDUIT SHALL REMAIN FOR RE-USE. SEE NEW FLOOR PLANS FOR ADDITIONAL INFORMATION.
- WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INSOFAR AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
 - REMOVE ALL WIRE AND CABLE.
 - REMOVE ALL DEVICES AND EQUIPMENT.
 - REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREA, AS FAR AS POSSIBLE.
 - CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.



FIRE ALARM BLDG I DEMOLITION ENLARGED MEZZANINE PLAN



1 FIRE ALARM BLDG I DEMOLITION ENLARGED PLAN
SCALE: 1/8" = 1'-0"

- 1 EXISTING FAPS TO BE REPLACED. DISCONNECT AND REMOVE ENCLOSURE AND ALL FIRE ALARM CONDUCTORS BACK TO LAST REMAINING DEVICE. MAINTAIN CONDUIT CONTINUITY AND PENETRATIONS FOR RE-USE IN NEW WORK. DISCONNECT AND REMOVE EXISTING 120V BRANCH CIRCUIT BACK TO LAST REMAINING DEVICE ON THIS CIRCUIT.
- 2 EXISTING 'FATC' TO REMAIN. DISCONNECT AND REMOVE ALL FIRE ALARM CONDUCTORS BACK TO LAST REMAINING DEVICE. MAINTAIN CONDUIT CONTINUITY AND PENETRATIONS FOR RE-USE IN NEW WORK. MAINTAIN CIRCUIT CONTINUITY OF OTHER SYSTEMS LOCATED INSIDE EXISTING ENCLOSURE.
- 3 TYPICAL EXISTING DEVICE TO BE REPLACED. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION.
- 4 TYPICAL EXISTING CONDUIT TO REMAIN. DISCONNECT AND REMOVE ALL FIRE ALARM CONDUCTORS BACK TO LAST REMAINING DEVICE. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION.
- 5 NO SMOKE/HEAT DETECTORS LOCATED ABOVE MEZZANINE AREA.

GENERAL NOTES

- ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
- WHERE EXISTING FIRE ALARM INITIATION DEVICES AND NOTIFICATION DEVICES SHOWN AS DEMO THE CONTRACTOR SHALL REMOVE THE DEVICE(S) ONLY. ALL BACKBOXES AND CONDUIT SHALL REMAIN FOR RE-USE. SEE NEW FLOOR PLANS FOR ADDITIONAL INFORMATION.
- WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INSOFAR AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
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 - CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118482 INC:
REVIEWED FOR
SS ☐ FLS ☒ ACS ☐
DATE: 09/23/2020



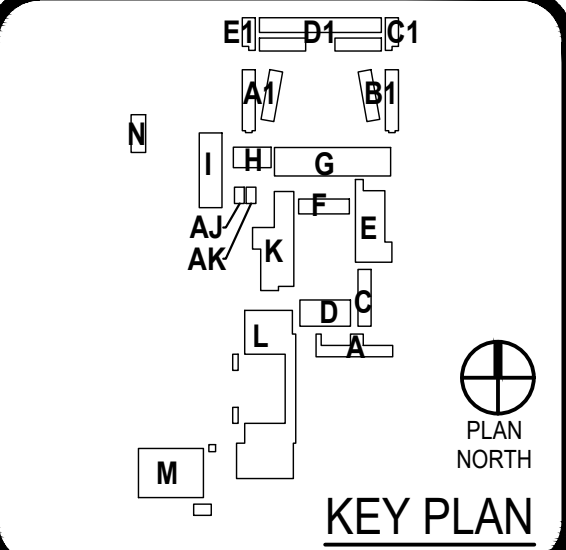
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LODI HIGH SCHOOL
CAMPUS WIDE FIRE ALARM UPGRADE

3 South Pacific Avenue
Lodi, CA 95242
DSA App. # 02-118482

CONSTRUCTION DOCUMENTS PTN: 68655-212



CLIENT LODI UNIFIED SCHOOL DISTRICT		
PROJECT NUMBER 19465		
DATE JULY 24, 2020		
REVISIONS		
#	DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS

DEMOLITION FIRE
ALARM PLAN -
BUILDING I

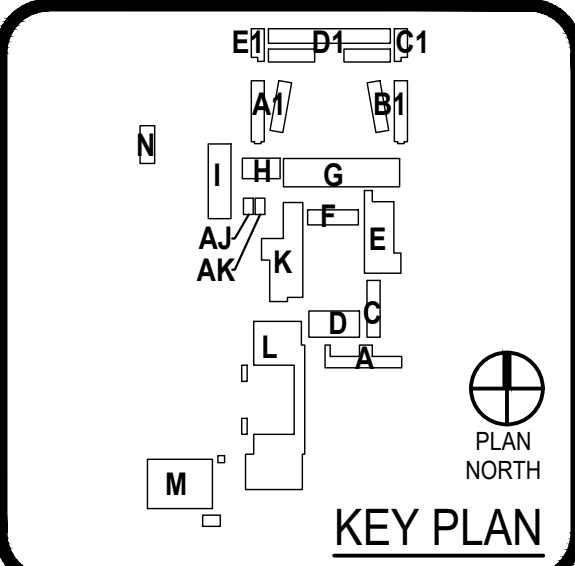
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CONSTRUCTION DOCUMENTS
DEMOLITION FIRE
ALARM PLAN -
BUILDING K

FA2.07

8

- EXISTING FAPS TO BE REPLACED. DISCONNECT AND REMOVE ENCLOSURE AND ALL FIRE ALARM CONDUCTORS BACK TO LAST REMAINING DEVICE. MAINTAIN CONDUIT CONTINUITY AND PENETRATIONS FOR RE-USE IN NEW WORK. DISCONNECT AND REMOVE EXISTING 120V BRANCH CIRCUIT BACK TO LAST REMAINING DEVICE ON THIS CIRCUIT.
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GENERAL NOTES

- ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
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 - CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.



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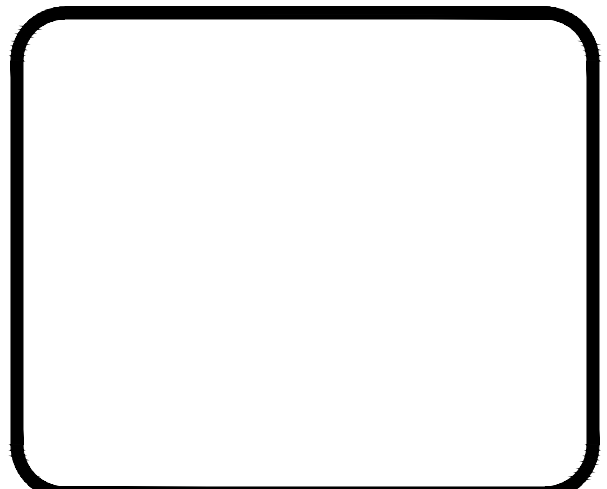
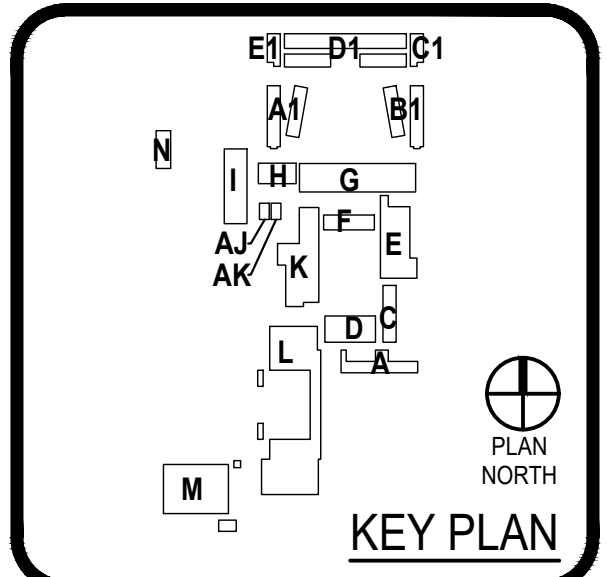


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LODI HIGH SCHOOL
CAMPUS WIDE FIRE ALARM UPGRADE

3 South Pacific Avenue
Lodi, CA 95242
DSA App. # 02-118482
CONSTRUCTION DOCUMENTS
PTN: 68655-212



CLIENT LODI UNIFIED SCHOOL DISTRICT		
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CONSTRUCTION DOCUMENTS
DEMOLITION FIRE
ALARM PLAN -
BUILDING M

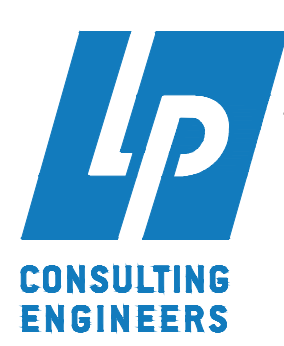
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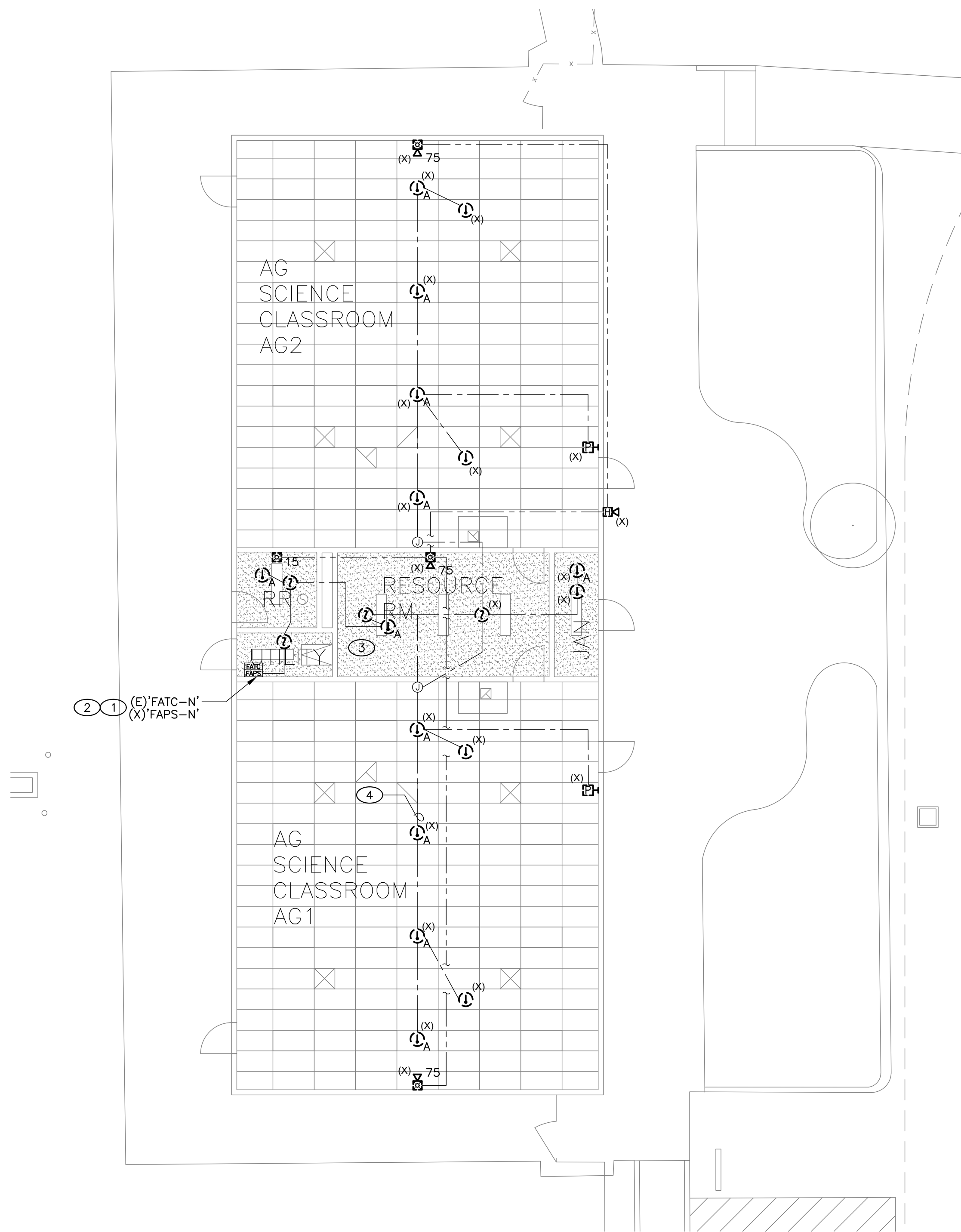
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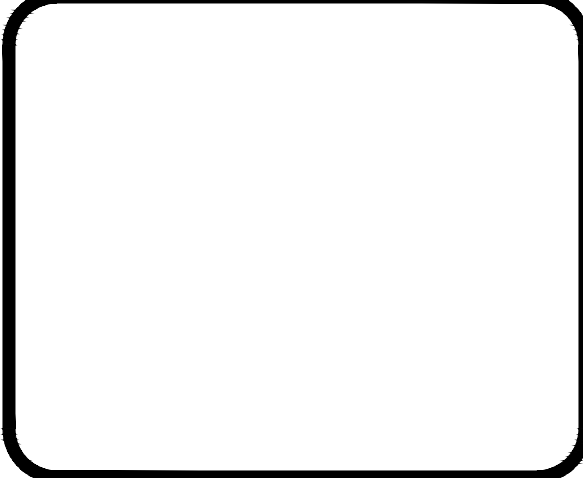
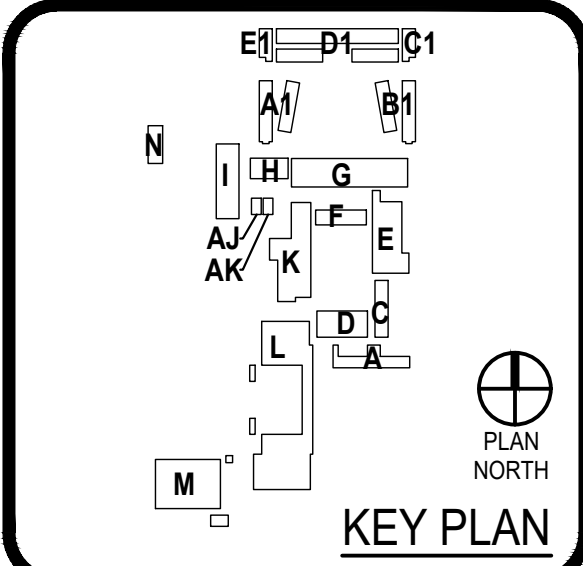
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- ⑧
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19465		
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CONSTRUCTION DOCUMENTS

DEMOLITION FIRE ALARM PLAN - BUILDING N



1. INSTALL 'FAPS' IN SAME SPACE MADE AVAILABLE BY THE REMOVAL OF THE EXISTING 'FAPS'. PROVIDE ALL NECESSARY COMPONENTS, TERMINATIONS AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM. REPAIR SURFACES TO MATCH ADJACENT.
2. EXISTING DEDICATED 120V, 1Ø BRANCH CIRCUIT BREAKER MADE AVAILABLE DURING DEMOLITION TO BE REPLACED PER NFPA 72, 10.6.5.1 AND 10.6.5.2. FIRE ALARM POWER SOURCE CIRCUITS SHALL BE DEDICATED AND INSTALLED USING RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY. CONNECT TO NEW 'FAPS' AND UPDATE RESPECTIVE PANEL SCHEDULE.
3. (E) 'FATC' TO BE RE-USED FOR INTERCONNECTION OF FIRE ALARM SYSTEM. PROVIDE ALL NECESSARY COMPONENTS, TERMINATIONS AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM. REPAIR SURFACES TO MATCH ADJACENT. REFER TO SITE PLAN AND RISER DIAGRAM FOR ADDITIONAL INFORMATION.
4. TYPICAL. USE EXISTING CONDUIT TO PULL-IN NEW CONDUCTORS AS INDICATED ON THESE PLANS AND CONNECT AS REQUIRED TO NEW DEVICES. PROVIDE ALL NECESSARY COMPONENTS AND CONNECT AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
5. PROVIDE NEW 3/4\"/>

EXISTING BUILDING CARBON MONOXIDE OMITTED NOTE

CARBON MONOXIDE DETECTION HAS BEEN OMITTED PER DSA'S INTERPRETATION OF CBC 915. EXISTING BUILDINGS SHALL HAVE CO DETECTION INSTALLED IN THE FOLLOWING CIRCUMSTANCES:

1. INSTALLATION OF NEW FUEL-BURNING APPLIANCES IN NEW AND EXISTING BUILDINGS.
2. REPLACEMENT OF EXISTING FUEL-BURNING APPLIANCES IN EXISTING BUILDINGS.
3. REPLACEMENT OF EXISTING FIRE ALARM SYSTEM WHERE CO DETECTION IS CURRENTLY INTEGRATED.

THE REPLACEMENT OF THE FIRE ALARM SYSTEM IN PART OR WHOLE DOES NOT NECESSARILY TRIGGER CO DETECTION REQUIREMENTS BECAUSE CO IS NOT REQUIRED TO BE INTEGRATED WITH THE FIRE ALARM SYSTEM FOR COMPLIANCE. CO DETECTION MAY BE INTEGRATED WITH THE FIRE ALARM SYSTEM AS ONE OPTION FOR COMPLIANCE.

GENERAL NOTES

1. WHERE FIRE ALARM INITIATION DEVICES AND NOTIFICATION DEVICES ARE SHOWN AS NEW (N) THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY HARDWARE (DEVICE, BACKBOX, 3/4\"/>
2. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
3. WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INsofar AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
 - A. REMOVE ALL WIRE AND CABLE.
 - B. REMOVE ALL DEVICES AND EQUIPMENT.
 - C. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREA, AS FAR AS POSSIBLE.
 - D. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
 - E. ALL EXISTING CONDUIT IS 3/4\"/>
5. FIRE ALARM POWER SOURCE CIRCUITS SHALL BE DEDICATED AND INSTALLED PER NFPA 72, 10.6.5.2. USING RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY. COORDINATE WITH ELECTRICAL.
6. ALL INTERIOR SPEAKERS SHALL BE SET AT 1/2 WATT UNLESS OTHERWISE NOTED ON THESE PLANS.
7. ALL EXTERIOR SPEAKERS SHALL BE SET AT 2 WATT UNLESS OTHERWISE NOTED ON THESE PLANS.

RE-USE OF EXISTING CONDUITS

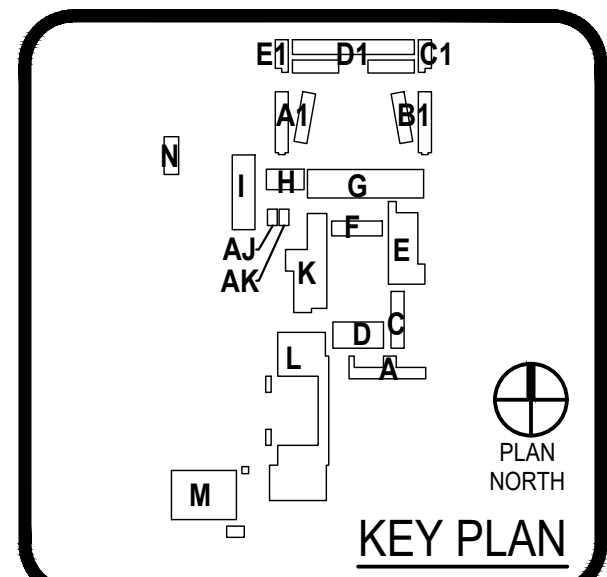
- A. CONTRACTOR SHALL PROVIDE COST CREDIT TO OWNER FOR ANY EXISTING CONDUIT PATHWAYS THAT ARE APPROVED TO BE REUSED.
- B. THIS SHALL BE DONE ON A PER FOOT BASES AND TYPE AND SIZE OF CONDUIT.
- C. EXISTING SURFACE RACEWAYS (WIREMOLD) SHALL NOT BE REUSED. ONLY CONDUIT SHALL BE REUSED AS APPROVED BY OWNER.



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LODI HIGH SCHOOL
CAMPUS WIDE FIRE ALARM UPGRADE

3 South Pacific Avenue
Lodi, CA 95242
DSA App. # 02-118482
CONSTRUCTION DOCUMENTS
PTN: 68655-212



CLIENT LODI UNIFIED SCHOOL DISTRICT		
PROJECT NUMBER 19465		
DATE JULY 24, 2020		
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CONSTRUCTION DOCUMENTS

FIRE ALARM
PLAN -
BUILDING A

FA3.01

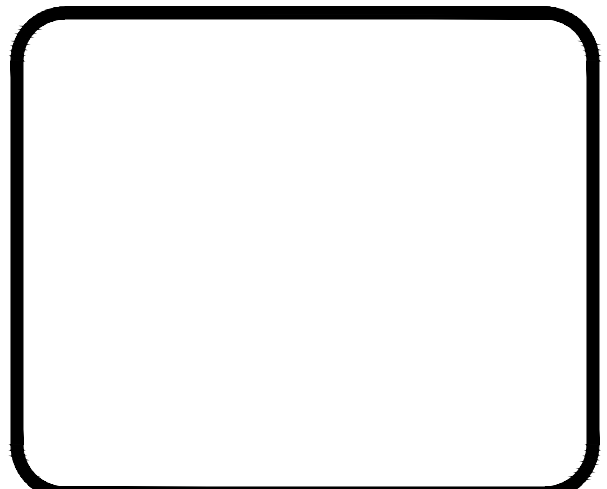
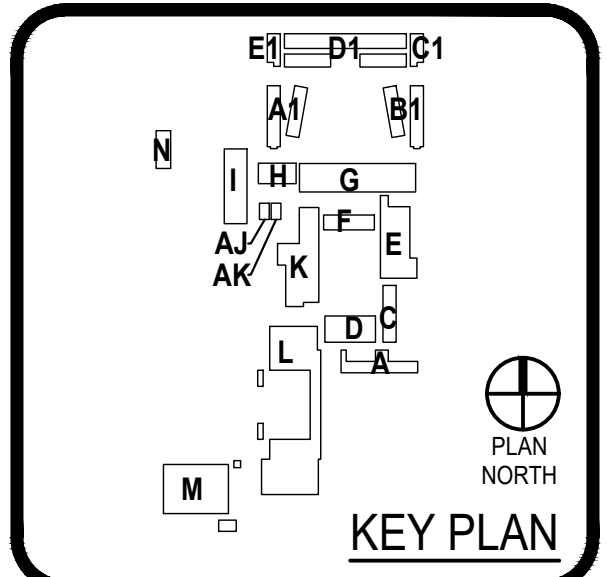


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CONSTRUCTION DOCUMENTS
FIRE ALARM PLAN
BUILDING C & D

1

1. INSTALL NEW 'FACP' AND PROVIDE ALL NECESSARY COMPONENTS, TERMINATIONS, AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM.
2. INSTALL 'FAPS' IN SAME SPACE MADE AVAILABLE BY THE REMOVAL OF THE EXISTING 'FAPS'. PROVIDE ALL NECESSARY COMPONENTS, TERMINATIONS AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM. REPAIR SURFACES TO MATCH ADJACENT.
3. EXISTING DEDICATED 120V, 1Ø BRANCH CIRCUIT BREAKER MADE AVAILABLE DURING DEMOLITION TO BE REPLACED PER NFPA 72, 10.6.5.1 AND 10.6.5.2. FIRE ALARM POWER SOURCE CIRCUITS SHALL BE DEDICATED AND INSTALLED USING RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY. CONNECT TO NEW 'FAPS' AND UPDATE RESPECTIVE PANEL SCHEDULE.
4. (E) 'FATS' TO BE RE-USED FOR INTERCONNECTION OF FIRE ALARM SYSTEM. PROVIDE ALL NECESSARY COMPONENTS, TERMINATIONS AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM. REPAIR SURFACES TO MATCH ADJACENT. REFER TO SITE PLAN AND RISER DIAGRAM FOR ADDITIONAL INFORMATION.
5. TYPICAL USE EXISTING CONDUIT TO PULL-IN NEW CONDUCTORS AS INDICATED ON THESE PLANS AND CONNECT AS REQUIRED TO NEW DEVICES. PROVIDE ALL NECESSARY COMPONENTS AND CONNECT AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
6. PROVIDE NEW 3/4" C. WITH CONDUCTORS AS INDICATED ON THESE PLANS AND CONNECT TO NEW DEVICES. PROVIDE ALL NECESSARY COMPONENTS AND CONNECT AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
7. EXISTING LIBRARY "CHECK-OUT" COUNTER. COUNTER HEIGHT DOES NOT EXCEED 48" ABOVE FINISHED FLOOR.

EXISTING BUILDING CARBON MONOXIDE OMITTED NOTE

CARBON MONOXIDE DETECTION HAS BEEN OMITTED PER DSA'S INTERPRETATION OF CBC 915. EXISTING BUILDINGS SHALL HAVE CO DETECTION INSTALLED IN THE FOLLOWING CIRCUMSTANCES:

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2. REPLACEMENT OF EXISTING FUEL-BURNING APPLIANCES IN EXISTING BUILDINGS.
3. REPLACEMENT OF EXISTING FIRE ALARM SYSTEM WHERE CO DETECTION IS CURRENTLY INTEGRATED.

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GENERAL NOTES

1. WHERE FIRE ALARM INITIATION DEVICES AND NOTIFICATION DEVICES ARE SHOWN AS NEW (N) THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY HARDWARE (DEVICE, BACKBOX, 3/4" CONDUIT, JUNCTION BOXES AND CONDUCTORS AS INDICATED) TO EXTEND THE EXISTING PATHWAYS. SEE "RE-USE OF EXISTING CONDUITS" NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION.
2. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
3. WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INsofar AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
 - A. REMOVE ALL WIRE AND CABLE.
 - B. REMOVE ALL DEVICES AND EQUIPMENT.
 - C. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREA, AS FAR AS POSSIBLE.
 - D. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
 - E. ALL EXISTING CONDUIT IS 3/4" C. UNLESS OTHERWISE NOTED.
5. FIRE ALARM POWER SOURCE CIRCUITS SHALL BE DEDICATED AND INSTALLED PER NFPA 72, 10.6.5.2. USING RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY. COORDINATE WITH ELECTRICAL.
6. ALL INTERIOR SPEAKERS SHALL BE SET AT 1/2 WATT UNLESS OTHERWISE NOTED ON THESE PLANS.
7. ALL EXTERIOR SPEAKERS SHALL BE SET AT 2 WATT UNLESS OTHERWISE NOTED ON THESE PLANS.

RE-USE OF EXISTING CONDUITS

- A. CONTRACTOR SHALL PROVIDE COST CREDIT TO OWNER FOR ANY EXISTING CONDUIT PATHWAYS THAT ARE APPROVED TO BE REUSED.
- B. THIS SHALL BE DONE ON A PER FOOT BASES AND TYPE AND SIZE OF CONDUIT.
- C. EXISTING SURFACE RACEWAYS (WIREMOLD) SHALL NOT BE REUSED. ONLY CONDUIT SHALL BE REUSED AS APPROVED BY OWNER.



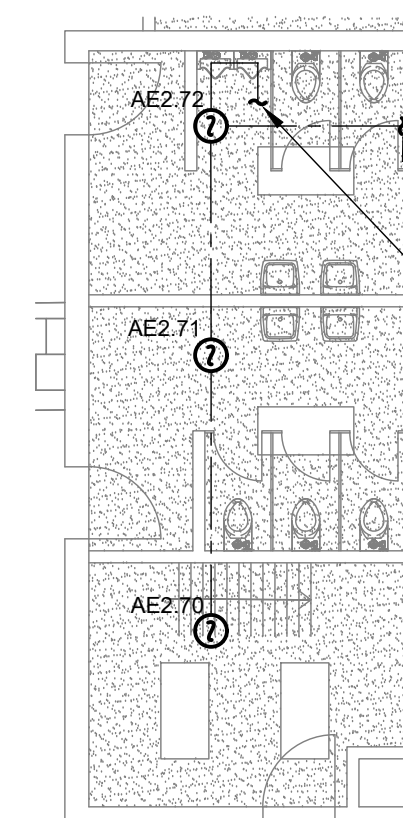
1209 Pleasant Grove Blvd.
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www.lpeengineers.com
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- ## GENERAL NOTES

1. WHERE FIRE ALARM INITIATION DEVICES AND NOTIFICATION DEVICES ARE SHOWN AS NEW (N) THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY HARDWARE (DEVICE, BACKBOX, ¾" CONDUIT, JUNCTION BOXES AND CONDUCTORS AS INDICATED) TO EXTEND THE EXISTING PATHWAYS. SEE "BE-USE OF EXISTING CONDUITS" NOTING ON THIS SHEET FOR ADDITIONAL INFORMATION.
2. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
3. WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INsofar AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
 - A. REMOVE ALL WIRE AND CABLE.
 - B. REMOVE ALL DEVICES AND EQUIPMENT.
 - C. REMOVE ALL EXPOSED WIRE AND CONDUIT IN ACCESSIBLE CONCEALED AREA, AS FAR AS POSSIBLE.
 - D. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
 - E. ALL EXISTING CONDUIT IS ¾"C. UNLESS OTHERWISE NOTED.
5. FIRE ALARM POWER SOURCE CIRCUITS SHALL BE DEDICATED AND INSTALLED PER NFPA 72, 10.6.5.2. USING RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY. COORDINATE WITH ELECTRICAL.
6. ALL INTERIOR SPEAKERS SHALL BE SET AT 1/2 WATT UNLESS OTHERWISE NOTED ON THESE PLANS.
7. ALL EXTERIOR SPEAKERS SHALL BE SET AT 2 WATT UNLESS OTHERWISE NOTED ON THESE PLANS.

RE-USE OF EXISTING CONDUITS


- A. CONTRACTOR SHALL PROVIDE COST CREDIT TO OWNER FOR ANY EXISTING CONDUIT PATHWAYS THAT ARE APPROVED TO BE REUSED.
- B. THIS SHALL BE DONE ON A PER FOOT BASES AND TYPE AND SIZE OF CONDUIT.
- C. EXISTING SURFACE REWAYES (WIREFORM) SHALL NOT BE REUSED, ONLY CONDUIT SHALL BE REUSED AS APPROVED BY OWNER.



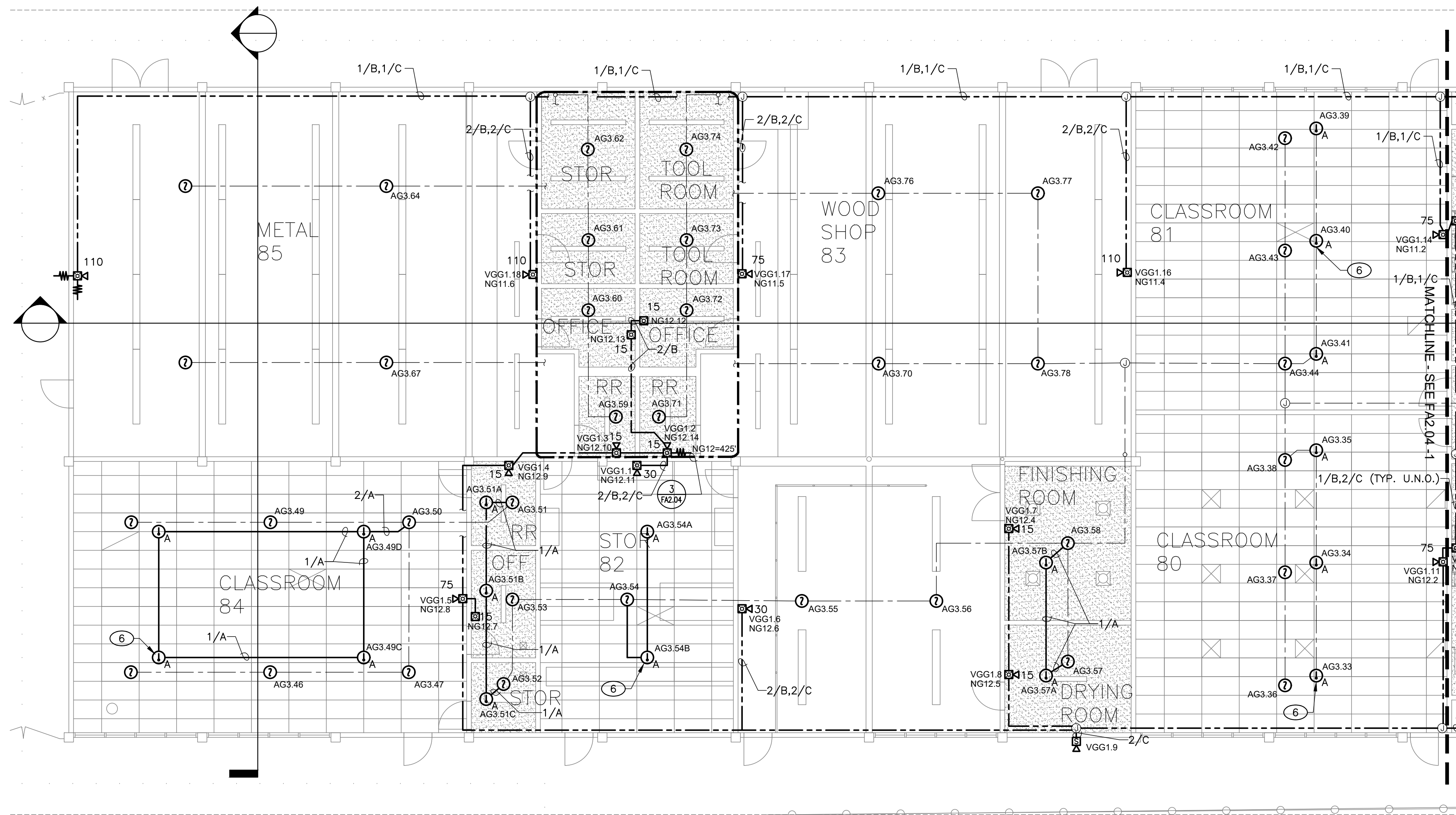
SEE 2/FA2.03 FOR CONTINUATION
OF CIRCUIT

2 FIRE ALARM BLDG E ENLARGED MEZZANINE PLAN
SCALE: 1/8" = 1'-0"

1
FA4.02



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THE REPLACEMENT OF THE FIRE ALARM SYSTEM IN PART OR WHOLE DOES NOT NECESSARILY TRIGGER CO DETECTION REQUIREMENTS BECAUSE CO IS NOT REQUIRED TO BE INTEGRATED WITH THE FIRE ALARM SYSTEM FOR COMPLIANCE. CO DETECTION MAY BE INTEGRATED WITH THE FIRE ALARM SYSTEM AS ONE OPTION FOR COMPLIANCE.

A. CONTRACTOR SHALL PROVIDE COST CREDIT TO OWNER FOR ANY EXISTING CONDUIT PATHWAYS THAT ARE APPROVED TO BE REUSED.

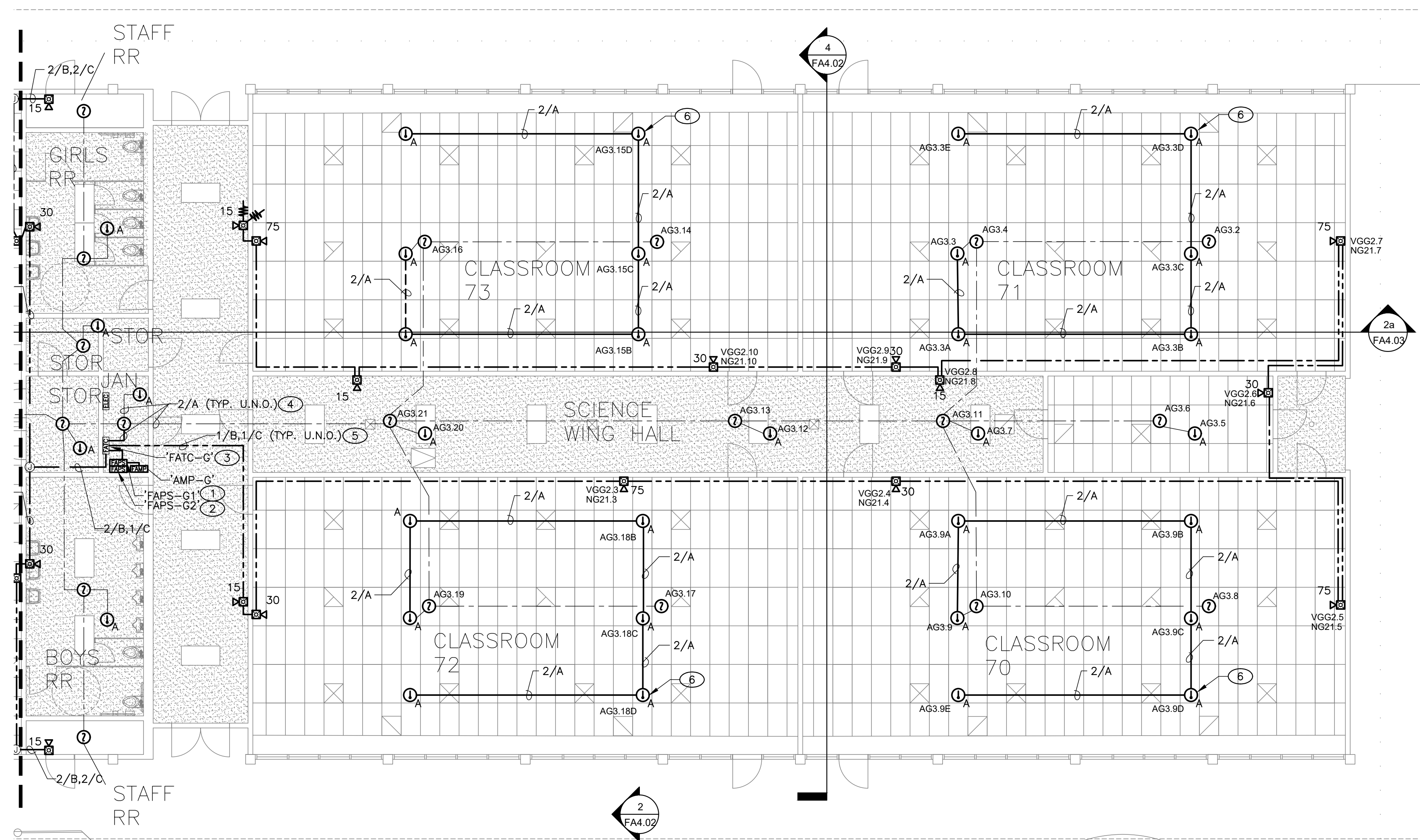
B. THIS SHALL BE DONE ON A PER FOOT BASES AND TYPE AND SIZE OF CONDUIT.

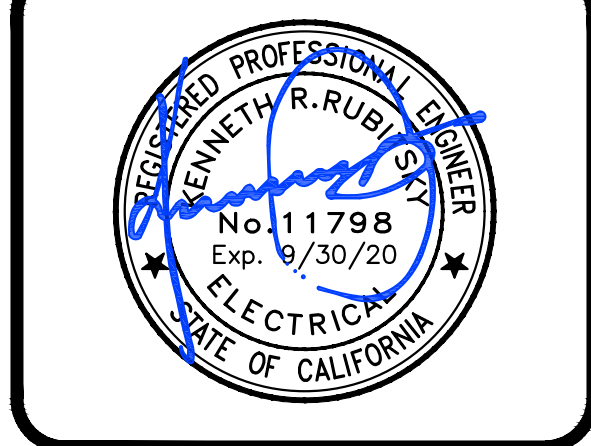
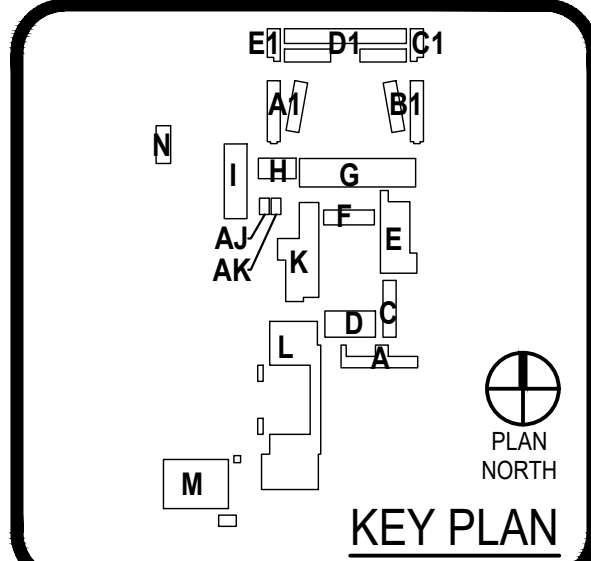
C. EXISTING SURFACE RACEWAYS (WIREFORM) SHALL NOT BE REUSED, ONLY CONDUIT SHALL BE REUSED AS APPROVED BY OWNER.

3. WHERE FIRE ALARM INITIATION DEVICES AND NOTIFICATION DEVICES ARE SHOWN AS NEW (N) THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY HARDWARE (DEVICE, BACKBOX, ¾" CONDUIT, JUNCTION BOXES AND CONDUCTORS AS INDICATED) TO EXTEND THE EXISTING PATHWAYS. SEE "RE-USE OF EXISTING CONDUITS" NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION.
2. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK. CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
3. WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INsofar AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
 - A. REMOVE ALL WIRE AND CABLE.
 - B. REMOVE ALL DEVICES AND EQUIPMENT.
 - C. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREA, AS FAR AS POSSIBLE.
 - D. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
 - E. ALL EXISTING CONDUIT IS ¾". UNLESS OTHERWISE NOTED.
5. FIRE ALARM POWER SOURCE CIRCUITS SHALL BE DEDICATED AND INSTALLED PER NFPA 72, 10.6.5.2. USING RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY. COORDINATE WITH ELECTRICAL.
6. ALL INTERIOR SPEAKERS SHALL BE SET AT 1/2 WATT UNLESS OTHERWISE NOTED ON THESE PLANS.
7. ALL EXTERIOR SPEAKERS SHALL BE SET AT 2 WATT UNLESS OTHERWISE NOTED ON THESE PLANS.



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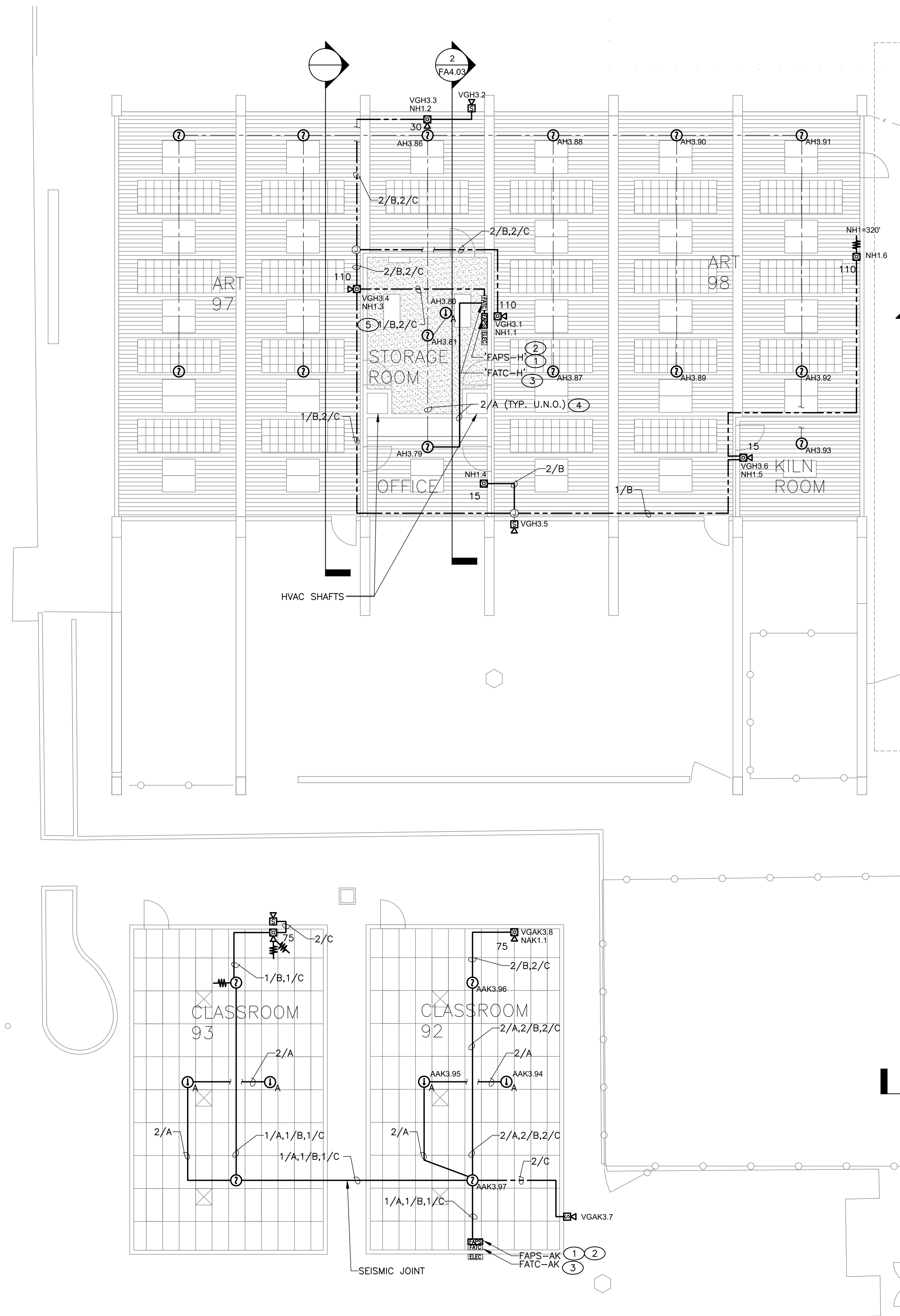


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CONSTRUCTION DOCUMENTS

FIRE ALARM PLAN
BUILDING H, AJ, &
AK

FA3.05



1. INSTALL "FAPS" IN SAME SPACE MADE AVAILABLE BY THE REMOVAL OF THE EXISTING "FAPS". PROVIDE ALL NECESSARY COMPONENTS, TERMINATIONS AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM. REPAIR SURFACES TO MATCH ADJACENT.
2. EXISTING DEDICATED 120V, 10 BRANCH CIRCUIT BREAKER MADE AVAILABLE DURING DEMOLITION TO BE REPEL BY NFPA 72, 10.6.5.1 AND 10.6.5.2. FIRE ALARM POWER SOURCE CIRCUITS SHALL BE DEDICATED AND INSTALLED USING RED MARKED CONDUIT WITH CONDUCTORS WITH RED INSULATION TO NEW "FAPS" AND UPDATE RESPECTIVE PANEL SCHEDULE.
3. (E) "FATC" TO BE RE-USED FOR INTERCONNECTION OF FIRE ALARM SYSTEM. PROVIDE ALL NECESSARY COMPONENTS, TERMINATIONS AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM. REPAIR SURFACES TO MATCH ADJACENT. REFER TO SITE PLAN AND RISER DIAGRAM FOR ADDITIONAL INFORMATION.
4. TYPICAL: USE EXISTING CONDUIT TO PULL-IN NEW CONDUCTORS AS SHOWN ON SCHEDULE. PULL IN AND CONNECT AS REQUIRED TO NEW DEVICES. PROVIDE ALL NECESSARY COMPONENTS AND CONNECT AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
5. PROVIDE NEW 3/4", WITH CONDUCTORS AS INDICATED ON THESE PLANS AND CONNECT TO NEW DEVICES. PROVIDE ALL NECESSARY COMPONENTS AND CONNECT AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.

CARBON MONOXIDE DETECTION HAS BEEN OMITTED PER DSA'S INTERPRETATION OF CBC 91.5. EXISTING BUILDINGS SHALL HAVE CO DETECTION INSTALLED IN THE FOLLOWING SITUATIONS:

1. INSTALLATION OF NEW FUEL-BURNING APPLIANCES IN NEW AND EXISTING BUILDINGS.
2. REPLACEMENT OF EXISTING FUEL-BURNING APPLIANCES IN EXISTING BUILDINGS.
3. REPLACEMENT OF EXISTING FIRE ALARM SYSTEM WHERE CO DETECTION IS CURRENTLY INTEGRATED.

THE REPLACEMENT OF THE FIRE ALARM SYSTEM IN PART OR WHOLE DOES NOT NECESSARILY TRIGGER CO DETECTION REQUIREMENTS BECAUSE CO IS NOT REQUIRED TO BE INTEGRATED WITH THE FIRE ALARM SYSTEM FOR COMPLIANCE. CO DETECTION MAY BE INTEGRATED WITH THE FIRE ALARM SYSTEM AS ONE OPTION FOR COMPLIANCE.

- A. CONTRACTOR SHALL PROVIDE COST CREDIT TO OWNER FOR ANY EXISTING CONDUIT PATHWAYS THAT ARE APPROVED TO BE REUSED.
- B. THIS SHALL BE DONE ON A PER FOOT BASES AND TYPE AND SIZE OF CONDUIT.
- C. EXISTING SURFACE RACEWAYS (WIREFOLD) SHALL NOT BE REUSED, ONLY CONDUIT SHALL BE REUSED AS APPROVED BY OWNER.

1. WHERE FIRE ALARM INITIATION DEVICES AND NOTIFICATION DEVICES ARE SHOWN AS NEW (N) THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY HARDWARE (DEVICE, BACKBOX, 3/4" CONDUIT, JUNCTION BOXES AND CONDUCTORS AS INDICATED) TO EXTEND THE EXISTING PATHWAYS. SEE "RE-USE OF EXISTING CONDUITS" NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION.
2. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERAL ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
3. WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INsofar AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
 - A. REMOVE ALL WIRE AND CABLE.
 - B. REMOVE ALL DEVICES AND EQUIPMENT.
 - C. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREAS AS POSSIBLE.CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
- E. ALL EXISTING CONDUIT IS 3/4" C. UNLESS OTHERWISE NOTED.
5. FIRE ALARM POWER SOURCE CIRCUITS SHALL BE DEDICATED AND INSTALLED PER NFPA 72, 10.6.5.2. USING RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY. COORDINATE WITH ELECTRICAL.
6. ALL INTERIOR SPEAKERS SHALL BE SET AT 1/2 WATT UNLESS OTHERWISE NOTED ON THESE PLANS.
7. ALL EXTERIOR SPEAKERS SHALL BE SET AT 2 WATT UNLESS OTHERWISE NOTED ON THESE PLANS.





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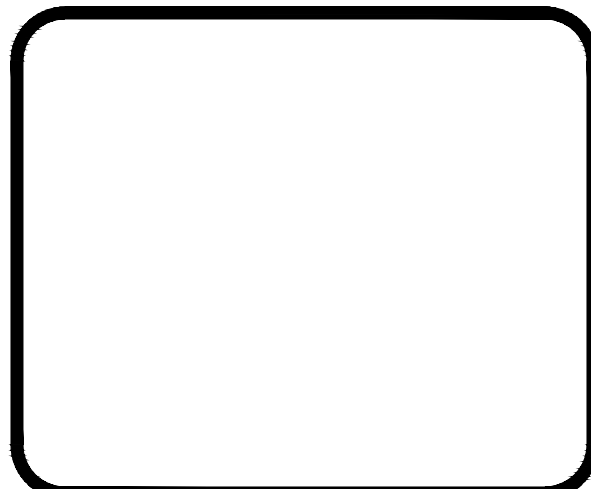
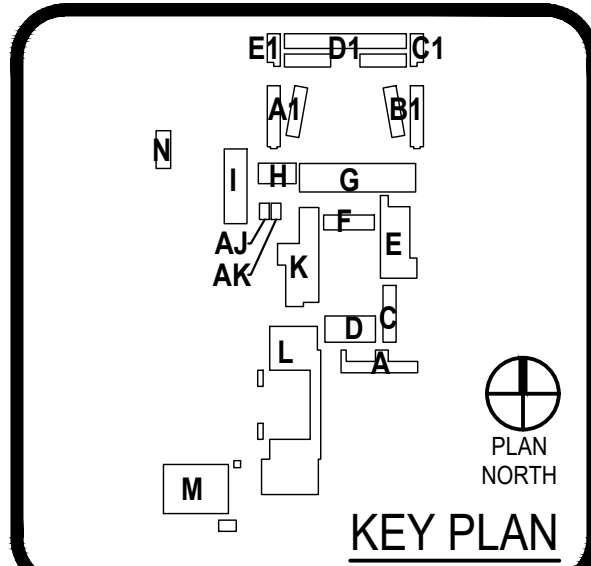
MEPT ENGINEER LP Consulting Engineers, Inc.
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**LODI HIGH SCHOOL
CAMPUS WIDE FIRE ALARM UPGRADE**

3 South Pacific Avenue
 Redwood City, CA 95242
 JSSA App. # 02-118482

CONSTRUCTION DOCUMENTS

PTN: 68585-212



CLIENT
LODI UNIFIED SCHOOL DISTRICT
PROJECT NUMBER
19465

DATE	JULY 24, 2020
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REVISIONS		
No.	Description	Date

#	DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS

FIRE ALARM PLAN

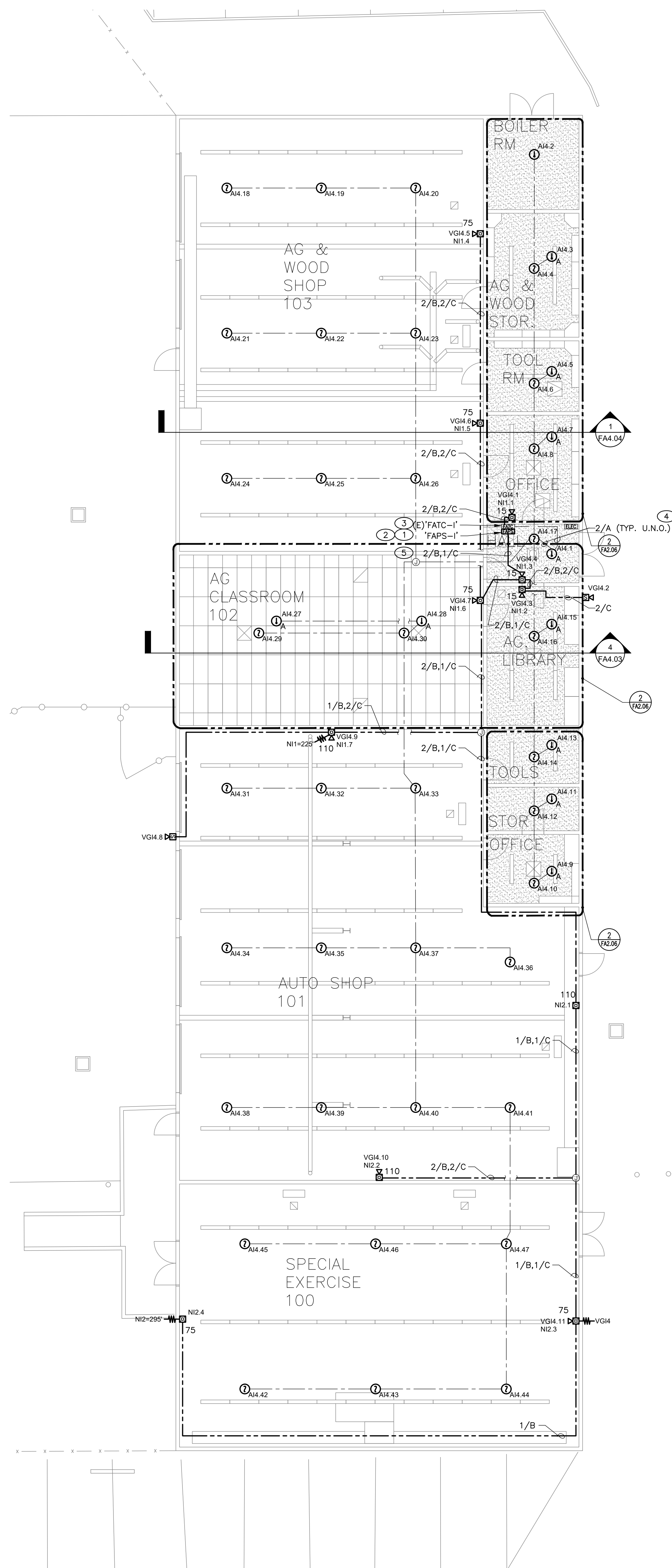
**FIRE ALARM PLAN
BUILDING I**

BUILDING 1

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1. INSTALL "FAPS" IN SAME SPACE MADE AVAILABLE BY THE REMOVAL OF THE EXISTING "FAPS". PROVIDE ALL NECESSARY COMPONENTS, TERMINATIONS AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM. REPAIR SURFACES TO MATCH ADJACENT.
2. EXISTING DEDICATED 120V, 1Ø BRANCH CIRCUIT BREAKER MADE AVAILABLE DURING DEMOLITION TO BE REPLACED PER NFPA 72, 10.6.5.1 AND 10.6.5.2. FIRE ALARM POWER SOURCE CIRCUITS SHALL BE DEDICATED AND INSTALLED USING RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY. CONNECT TO NEW "FAPS" AND UPDATE RESPECTIVE PANEL SCHEDULE.
3. (E) "FAPS" TO BE RE-USED FOR INTERCONNECTION OF FIRE ALARM SYSTEM. PROVIDE ALL NECESSARY COMPONENTS, TERMINATIONS AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM. REPAIR SURFACES TO MATCH ADJACENT. REFER TO SITE PLAN AND RISER DIAGRAM FOR ADDITIONAL INFORMATION.
4. TYPICAL. USE EXISTING CONDUIT TO PULL-IN NEW CONDUCTORS AS INDICATED ON THESE PLANS AND CONNECT AS REQUIRED TO NEW DEVICES AND NECESSARY COMPONENTS AND CONNECT AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
5. PROVIDE NEW 3/4"CT, WITH CONDUCTORS AS INDICATED ON THESE PLANS AND CONNECT TO NEW DEVICES. PROVIDE ALL NECESSARY COMPONENTS AND CONNECT AS REQUIRED FOR FULLY OPERATIONAL SYSTEM.

EXISTING BUILDING CARBON MONOXIDE OMITTED NOTE

CARBON MONOXIDE DETECTION HAS BEEN OMITTED PER DSA'S INTERPRETATION OF CBC 913.5. EXISTING BUILDINGS SHALL HAVE CO DETECTION INSTALLED IN THE FOLLOWING CIRCUMSTANCES:

- 1. INSTALLATION OF FUEL-BURNING APPLIANCES IN NEW AND EXISTING BUILDINGS;
- 2. REPLACEMENT OF EXISTING FUEL-BURNING APPLIANCES IN EXISTING BUILDINGS;
- 3. REPLACEMENT OF EXISTING FIRE ALARM SYSTEM WHERE CO DETECTION IS CURRENTLY INTEGRATED.

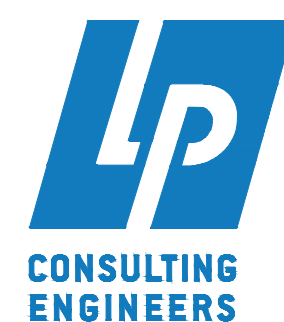
THE REPLACEMENT OF THE FIRE ALARM SYSTEM IN PART OR WHOLE DOES NOT REQUIRE THE TRIGGER CODE REQUIREMENTS BECAUSE CO IS NOT REQUIRED TO BE INTEGRATED WITH THE FIRE ALARM SYSTEM FOR COMPLIANCE. CO DETECTION MAY BE INTEGRATED WITH THE FIRE ALARM SYSTEM AS ONE OPTION FOR COMPLIANCE.

RE-USE OF EXISTING CONDUITS

- A. CONTRACTOR SHALL PROVIDE COST CREDIT TO OWNER FOR ANY EXISTING CONDUIT PATHWAYS THAT ARE APPROVED TO BE REUSED.
- B. THIS SHALL BE DONE ON A PER FOOT BASES AND TYPE AND SIZE OF CONDUIT.
- C. EXISTING SURFACE RACEWAYS (WIREMOLD) SHALL NOT BE REUSED, ONLY CONDUIT SHALL BE REUSED AS APPROVED BY OWNER.

GENERAL NOTES

1. WHERE FIRE ALARM INITIATION DEVICES AND NOTIFICATION DEVICES ARE SHOWN AS NEW (N) THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY HARDWARE (DEVICE, BACKBOX, $\frac{3}{4}$ " CONDUIT, JUNCTION BOXES AND CONDUCTORS AS INDICATED) TO EXTEND THE EXISTING PATHWAYS. SEE "RE-USE OF EXISTING CONDUITS" NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION.
2. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC. WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH THE GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
3. WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE ABANDONED INsofar AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
 - A. REMOVE ALL WIRE AND CABLE.
 - B. REMOVE ALL DEVICES AND EQUIPMENT.
 - C. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED SPACES AS POSSIBLE.
 - D. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
- E. ALL EXISTING CONDUIT IS $\frac{3}{4}$ " UNLESS OTHERWISE NOTED.
5. FIRE ALARM POWER SOURCE CIRCUITS SHALL BE DEDICATED AND INSTALLED PER NFPA 72, 10.6.5.2. USING RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY. COORDINATE WITH ELECTRICAL.
6. ALL INTERIOR SPEAKERS SHALL BE SET AT 1/2 WATT UNLESS OTHERWISE NOTED ON THESE PLANS.
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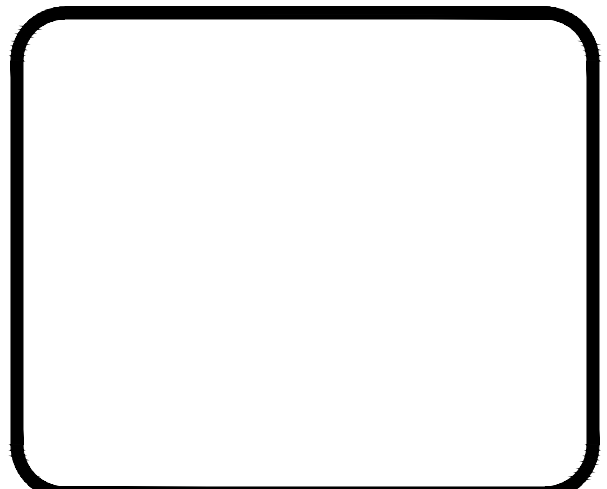
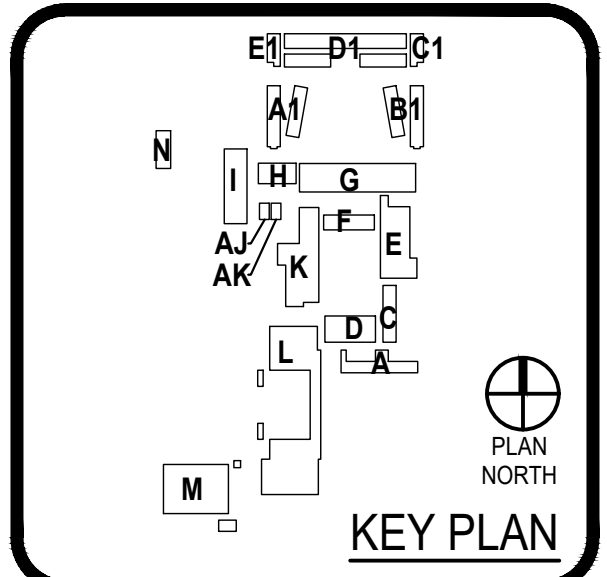
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LODI HIGH SCHOOL
CAMPUS WIDE FIRE ALARM UPGRADE

3 South Pacific Avenue
Lodi, CA 95242
DSA App. # 02-118482
CONSTRUCTION DOCUMENTS
PTN: 68685-212



CLIENT LODI UNIFIED SCHOOL DISTRICT		
PROJECT NUMBER 19465		
DATE JULY 24, 2020		
REVISIONS		
#	DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS
**FIRE ALARM
PLAN - BUILDING
K**

FA3.07

1

1. INSTALL 'FAPS' IN SAME SPACE MADE AVAILABLE BY THE REMOVAL OF THE EXISTING 'FAPS'. PROVIDE ALL NECESSARY COMPONENTS, TERMINATIONS AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM. REPAIR SURFACES TO MATCH ADJACENT.
2. EXISTING DEDICATED 120V, 1Ø BRANCH CIRCUIT BREAKER MADE AVAILABLE DURING DEMOLITION TO BE REPLACED PER NFPA 72: 10.6.5.1 AND 10.6.5.2. FIRE ALARM POWER SOURCE CIRCUITS SHALL BE DEDICATED AND INSTALLED USING RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY. CONNECT TO NEW 'FAPS' AND UPDATE RESPECTIVE PANEL SCHEDULE.
3. (E) 'FATC' TO BE RE-USED FOR INTERCONNECTION OF FIRE ALARM SYSTEM. PROVIDE ALL NECESSARY COMPONENTS, TERMINATIONS AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM. REPAIR SURFACES TO MATCH ADJACENT. REFER TO SITE PLAN AND RISER DIAGRAM FOR ADDITIONAL INFORMATION.
4. TYPICAL USE EXISTING CONDUIT TO PULL-IN NEW CONDUCTORS AS INDICATED ON THESE PLANS AND CONNECT AS REQUIRED TO NEW DEVICES. PROVIDE ALL NECESSARY COMPONENTS AND CONNECT AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
5. PROVIDE NEW 3/4"C. WITH CONDUCTORS AS INDICATED ON THESE PLANS AND CONNECT TO NEW DEVICES. PROVIDE ALL NECESSARY COMPONENTS AND CONNECT AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.

EXISTING BUILDING CARBON MONOXIDE OMITTED NOTE

CARBON MONOXIDE DETECTION HAS BEEN OMITTED PER DSA'S INTERPRETATION OF CBC 915. EXISTING BUILDINGS SHALL HAVE CO DETECTION INSTALLED IN THE FOLLOWING CIRCUMSTANCES:
1. INSTALLATION OF NEW FUEL-BURNING APPLIANCES IN NEW AND EXISTING BUILDINGS.
2. REPLACEMENT OF EXISTING FUEL-BURNING APPLIANCES IN EXISTING BUILDINGS.
3. REPLACEMENT OF EXISTING FIRE ALARM SYSTEM WHERE CO DETECTION IS CURRENTLY INTEGRATED.
THE REPLACEMENT OF THE FIRE ALARM SYSTEM IN PART OR WHOLE DOES NOT NECESSARILY TRIGGER CO DETECTION REQUIREMENTS BECAUSE CO IS NOT REQUIRED TO BE INTEGRATED WITH THE FIRE ALARM SYSTEM FOR COMPLIANCE. CO DETECTION MAY BE INTEGRATED WITH THE FIRE ALARM SYSTEM AS ONE OPTION FOR COMPLIANCE.

GENERAL NOTES

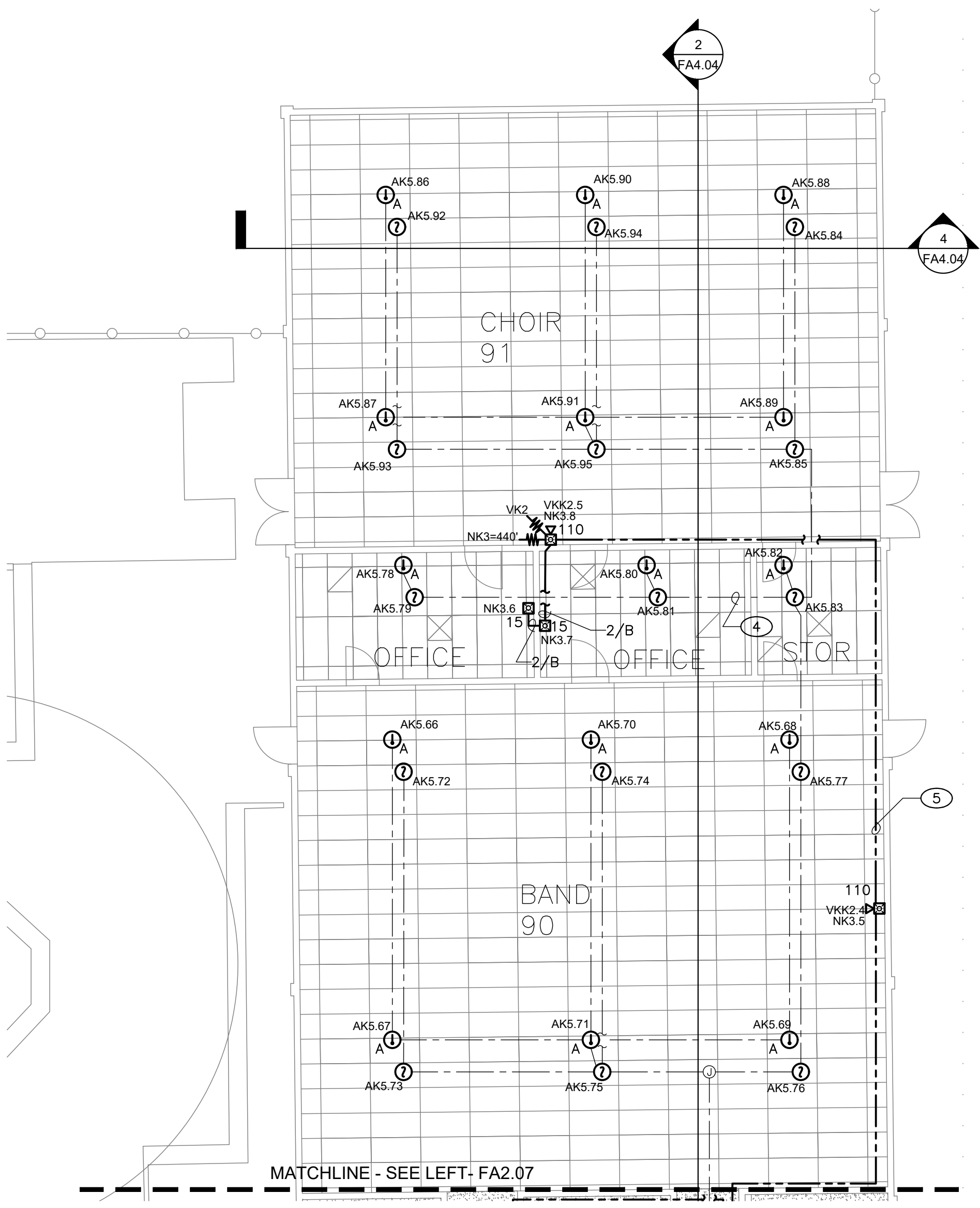
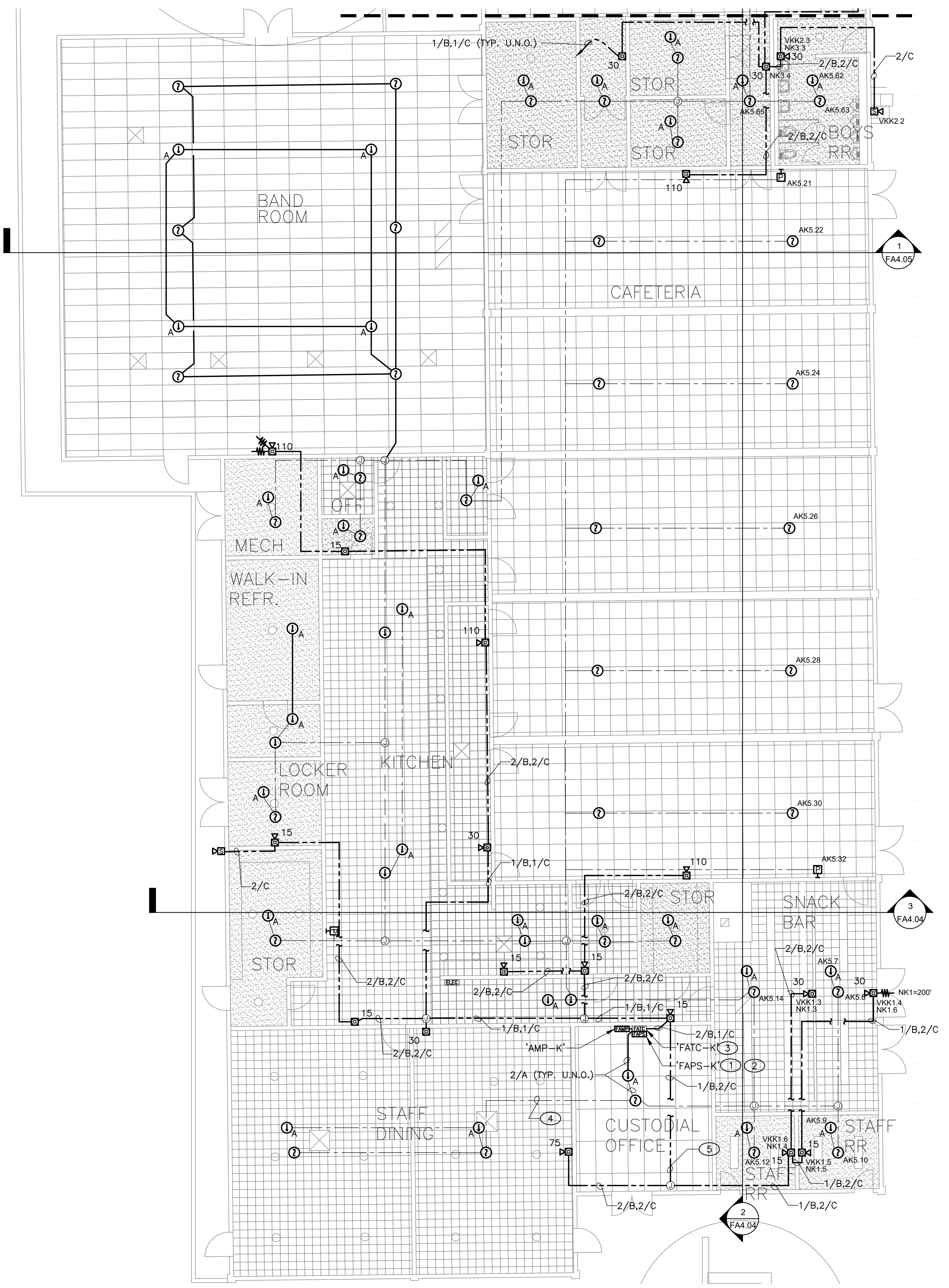
1. WHERE FIRE ALARM INITIATION DEVICES AND NOTIFICATION DEVICES ARE SHOWN AS NEW (N) THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY HARDWARE (DEVICE, BACKBOX, 3/4" CONDUIT, JUNCTION BOXES AND CONDUCTORS AS INDICATED) TO EXTEND THE EXISTING PATHWAYS. SEE "RE-USE OF EXISTING CONDUITS" NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION.
2. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
3. WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INSOFAR AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
A. REMOVE ALL WIRE AND CABLE.
B. REMOVE ALL DEVICES AND EQUIPMENT.
C. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREA, AS FAR AS POSSIBLE.
D. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
E. ALL EXISTING CONDUIT IS 3/4"C. UNLESS OTHERWISE NOTED.
5. FIRE ALARM POWER SOURCE CIRCUITS SHALL BE DEDICATED AND INSTALLED PER NFPA 72: 10.6.5.2. USING RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY. COORDINATE WITH ELECTRICAL.
6. ALL INTERIOR SPEAKERS SHALL BE SET AT 1/2 WATT UNLESS OTHERWISE NOTED ON THESE PLANS.
7. ALL EXTERIOR SPEAKERS SHALL BE SET AT 2 WATT UNLESS OTHERWISE NOTED ON THESE PLANS.

RE-USE OF EXISTING CONDUITS

- A. CONTRACTOR SHALL PROVIDE COST CREDIT TO OWNER FOR ANY EXISTING CONDUIT PATHWAYS THAT ARE APPROVED TO BE REUSED.
- B. THIS SHALL BE DONE ON A PER FOOT BASES AND TYPE AND SIZE OF CONDUIT.
- C. EXISTING SURFACE RACEWAYS (WIREMOLD) SHALL NOT BE REUSED. ONLY CONDUIT SHALL BE REUSED AS APPROVED BY OWNER.



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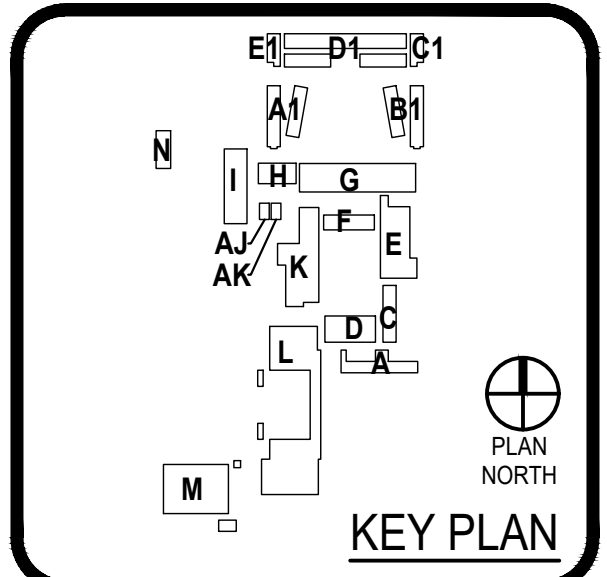


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LODI HIGH SCHOOL
CAMPUS WIDE FIRE ALARM UPGRADE

3 South Pacific Avenue
Lodi, CA 95242
DSA App # 02-118482
CONSTRUCTION DOCUMENTS
PTN: 68565-212



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LODI UNIFIED SCHOOL DISTRICT

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19465

DATE
JULY 24, 2020

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**FIRE ALARM PLAN
_BUILDING M**

FA3.08



1. INSTALL 'FAPS' IN SAME SPACE MADE AVAILABLE BY THE REMOVAL OF THE EXISTING 'FAPS'. PROVIDE ALL NECESSARY COMPONENTS, TERMINATIONS AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM. REPAIR SURFACES TO MATCH ADJACENT.
2. EXISTING DEDICATED 120V, 1Ø BRANCH CIRCUIT BREAKER MADE AVAILABLE DURING DEMOLITION TO BE REPLACED PER NFPA 72, 10.6.5.1 AND 10.6.5.2. FIRE ALARM POWER SOURCE CIRCUITS SHALL BE DEDICATED AND INSTALLED USING RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY. CONNECT TO NEW 'FAPS' AND UPDATE RESPECTIVE PANEL SCHEDULE.
3. (E) 'FATC' TO BE RE-USED FOR INTERCONNECTION OF FIRE ALARM SYSTEM. PROVIDE ALL NECESSARY COMPONENTS, TERMINATIONS AND PROGRAMMING FOR A FULLY OPERATIONAL SYSTEM. REPAIR SURFACES TO MATCH ADJACENT. REFER TO SITE PLAN AND RISER DIAGRAM FOR ADDITIONAL INFORMATION.
4. TYPICAL. USE EXISTING CONDUIT TO PULL-IN NEW CONDUCTORS AS INDICATED ON THESE PLANS AND CONNECT AS REQUIRED TO NEW DEVICES. PROVIDE ALL NECESSARY COMPONENTS AND CONNECT AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
5. PROVIDE NEW 3/4" C. WITH CONDUCTORS AS INDICATED ON THESE PLANS AND CONNECT TO NEW DEVICES. PROVIDE ALL NECESSARY COMPONENTS AND CONNECT AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
6. (E) FIRE/SMOKE DAMPER CONTROL MODULE TO BE REPLACED WITH A NEW FIRE/SMOKE DAMPER CONTROL MODULE AND RECONNECTED AS REQUIRED FOR A FULLY FUNCTIONING SYSTEM.

EXISTING BUILDING CARBON MONOXIDE OMITTED NOTE

CARBON MONOXIDE DETECTION HAS BEEN OMITTED PER DSA'S INTERPRETATION OF CBC 915. EXISTING BUILDINGS SHALL HAVE CO DETECTION INSTALLED IN THE FOLLOWING CIRCUMSTANCES:

1. INSTALLATION OF NEW FUEL-BURNING APPLIANCES IN NEW AND EXISTING BUILDINGS.
2. REPLACEMENT OF EXISTING FUEL-BURNING APPLIANCES IN EXISTING BUILDINGS.
3. REPLACEMENT OF EXISTING FIRE ALARM SYSTEM WHERE CO DETECTION IS CURRENTLY INTEGRATED.

THE REPLACEMENT OF THE FIRE ALARM SYSTEM IN PART OR WHOLE DOES NOT NECESSARILY TRIGGER CO DETECTION REQUIREMENTS BECAUSE CO IS NOT REQUIRED TO BE INTEGRATED WITH THE FIRE ALARM SYSTEM FOR COMPLIANCE. CO DETECTION MAY BE INTEGRATED WITH THE FIRE ALARM SYSTEM AS ONE OPTION FOR COMPLIANCE.

GENERAL NOTES

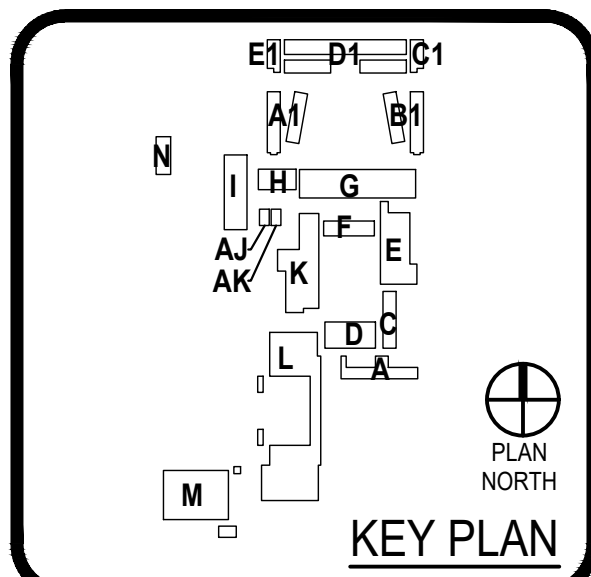
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2. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
3. WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INsofar AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO:
A. REMOVE ALL WIRE AND CABLE.
B. REMOVE ALL DEVICES AND EQUIPMENT.
C. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREA, AS FAR AS POSSIBLE.
D. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
E. ALL EXISTING CONDUIT IS 3/4" C. UNLESS OTHERWISE NOTED.
5. FIRE ALARM POWER SOURCE CIRCUITS SHALL BE DEDICATED AND INSTALLED PER NFPA 72, 10.6.5.2. USING RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY. COORDINATE WITH ELECTRICAL.
6. ALL INTERIOR SPEAKERS SHALL BE SET AT 1/2 WATT UNLESS OTHERWISE NOTED ON THESE PLANS.
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RE-USE OF EXISTING CONDUITS

- A. CONTRACTOR SHALL PROVIDE COST CREDIT TO OWNER FOR ANY EXISTING CONDUIT PATHWAYS THAT ARE APPROVED TO BE REUSED.
- B. THIS SHALL BE DONE ON A PER FOOT BASES AND TYPE AND SIZE OF CONDUIT.
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GENERAL NOTES

1. WHERE FIRE ALARM INITIATION DEVICES AND NOTIFICATION DEVICES ARE SHOWN AS NEW (N) THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY HARDWARE (DEVICE, BACKBOX, $\frac{3}{4}$ " CONDUIT, JUNCTION BOXES AND CONDUCTORS AS INDICATED) TO FULFILL THE EXISTING PATHWAYS. SEE "RE-USE OF EXISTING CONDUITS" NOTING ON THIS SHEET FOR ADDITIONAL INFORMATION.
2. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEYS AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR ANY SITE CONDITIONS THAT MAY BE THE CAUSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.
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 - C. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREA, AS FAR AS POSSIBLE.
 - D. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.
 - E. ALL EXISTING CONDUIT IS $\frac{3}{4}$ " UNLESS OTHERWISE NOTED.
5. FIRE ALARM POWER SOURCE CIRCUITS SHALL BE DEDICATED AND INSTALLED PER NFPA 72, 10.6.5.2, USING RED MARKED DISCONNECT WITH LOCK-ON CAPABILITY. COORDINATE WITH ELECTRICAL.
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RE-USE OF EXISTING CONDUITS

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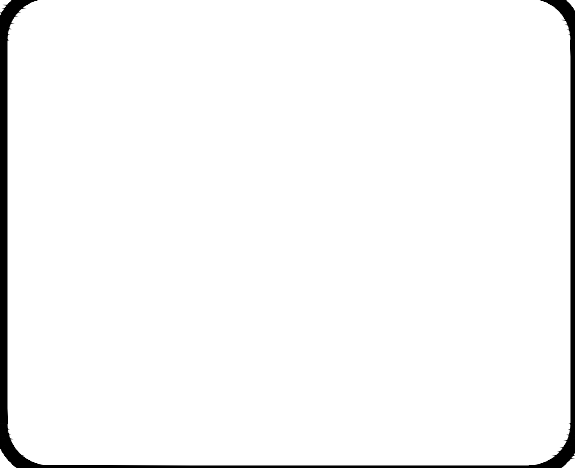
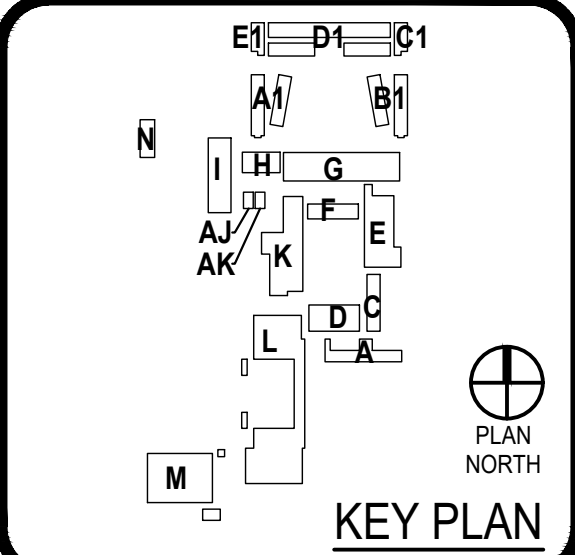
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LODI HIGH SCHOOL
CAMPUS WIDE FIRE ALARM UPGRADE

3 South Pacific Avenue
Lodi, CA 95242
DSA App. # 02-118482

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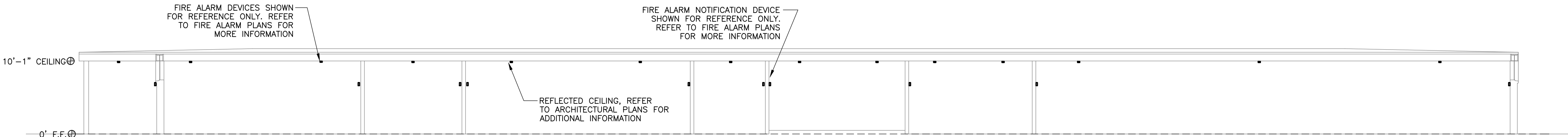
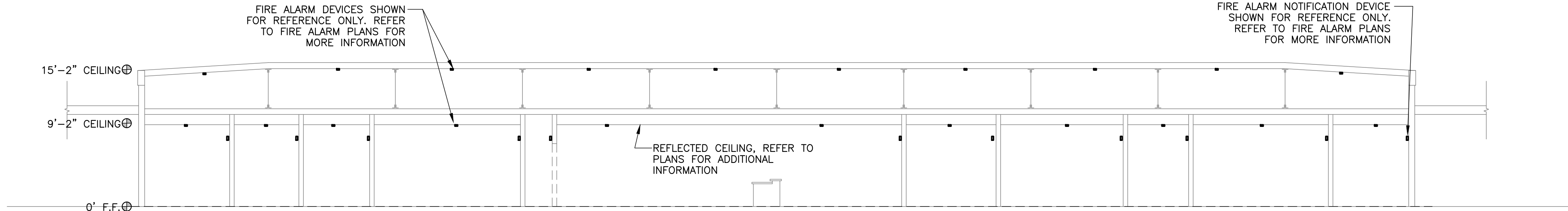
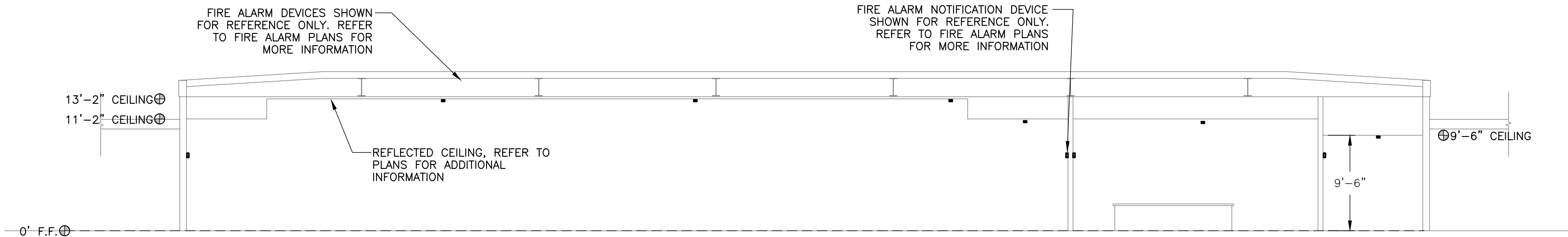


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FIRE ALARM
SECTIONS

FA4.01



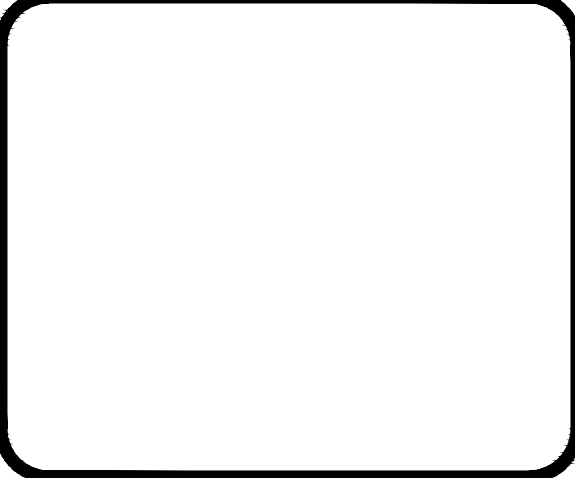
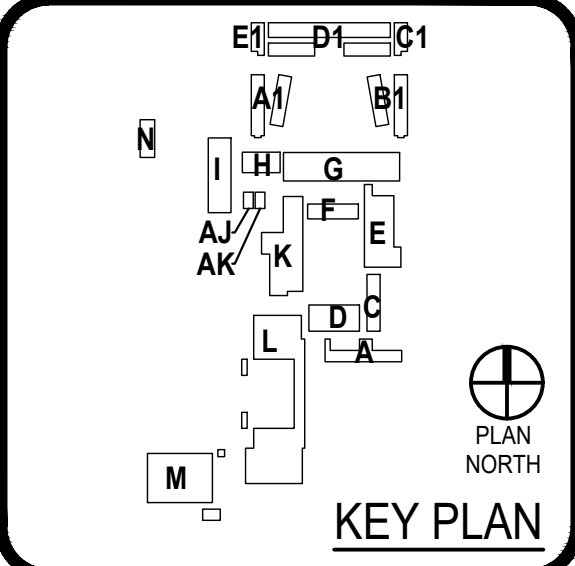


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LODI HIGH SCHOOL
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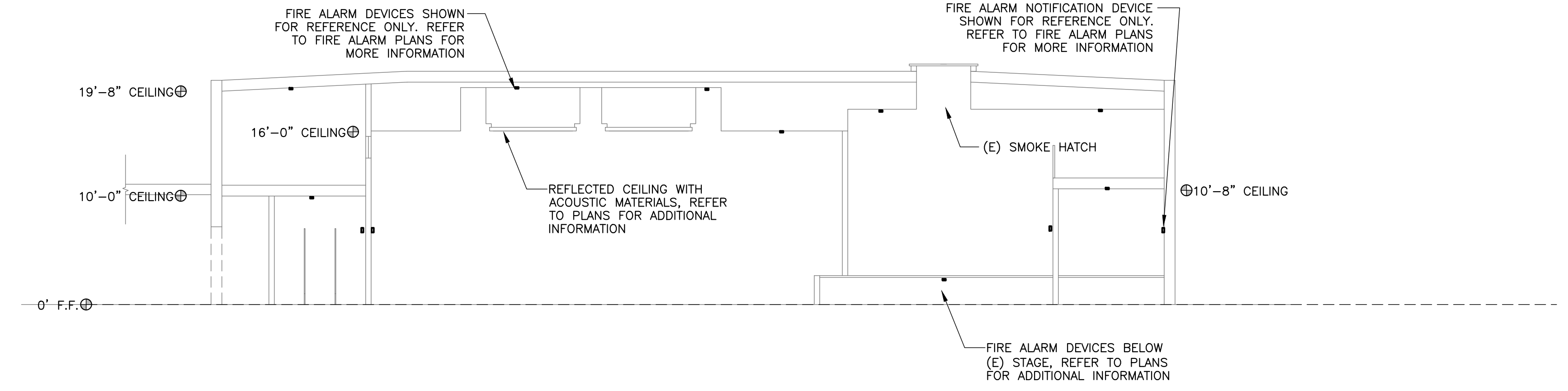
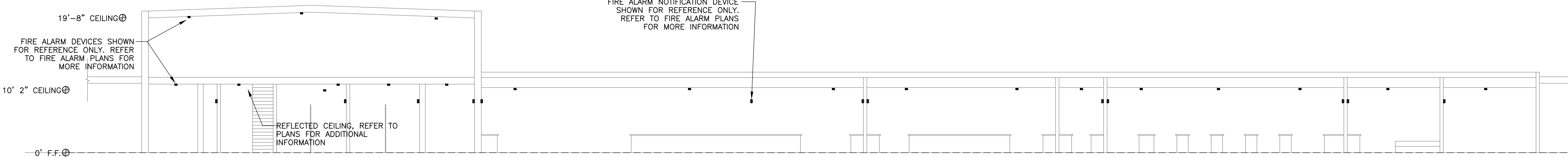
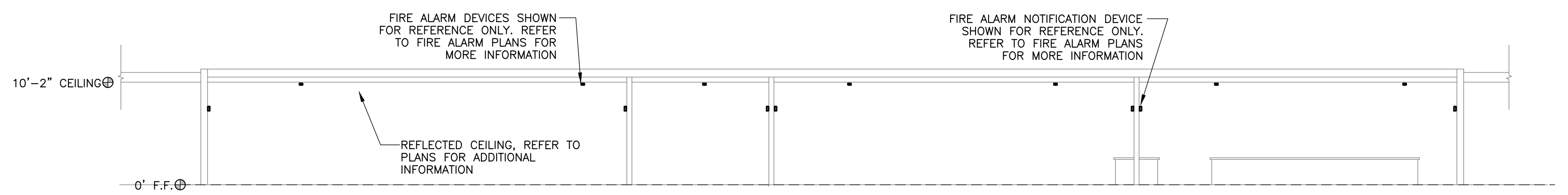
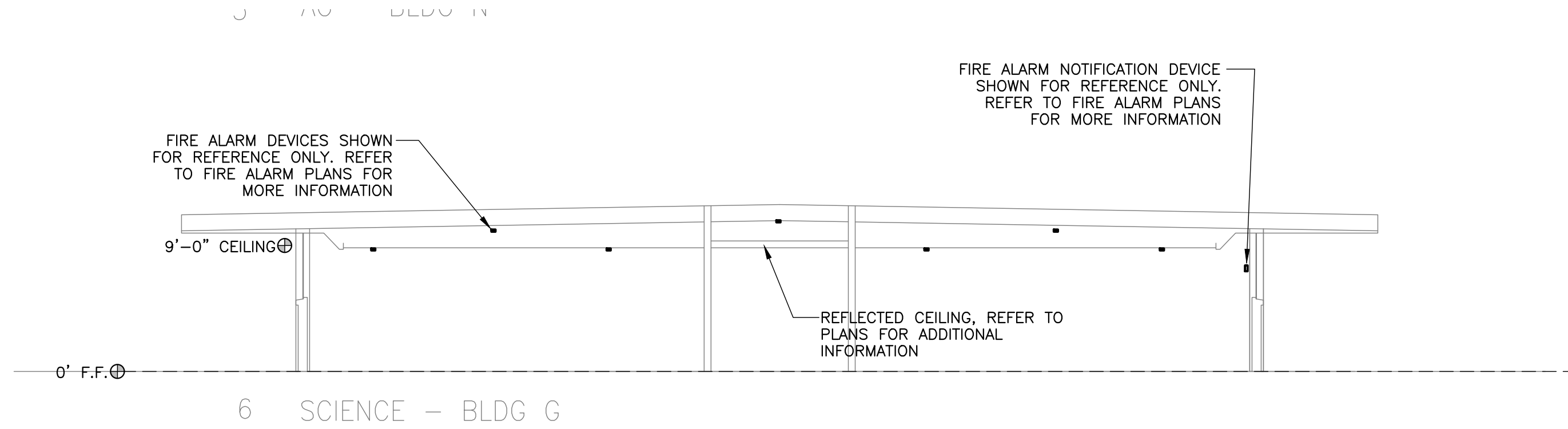


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FIRE ALARM
SECTIONS

FA4.02

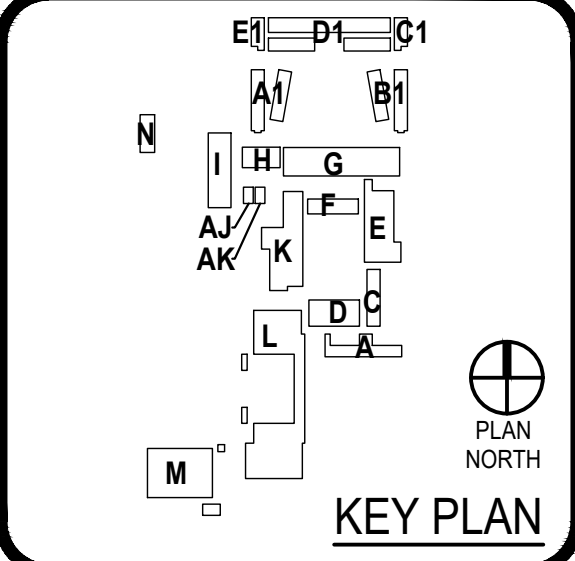




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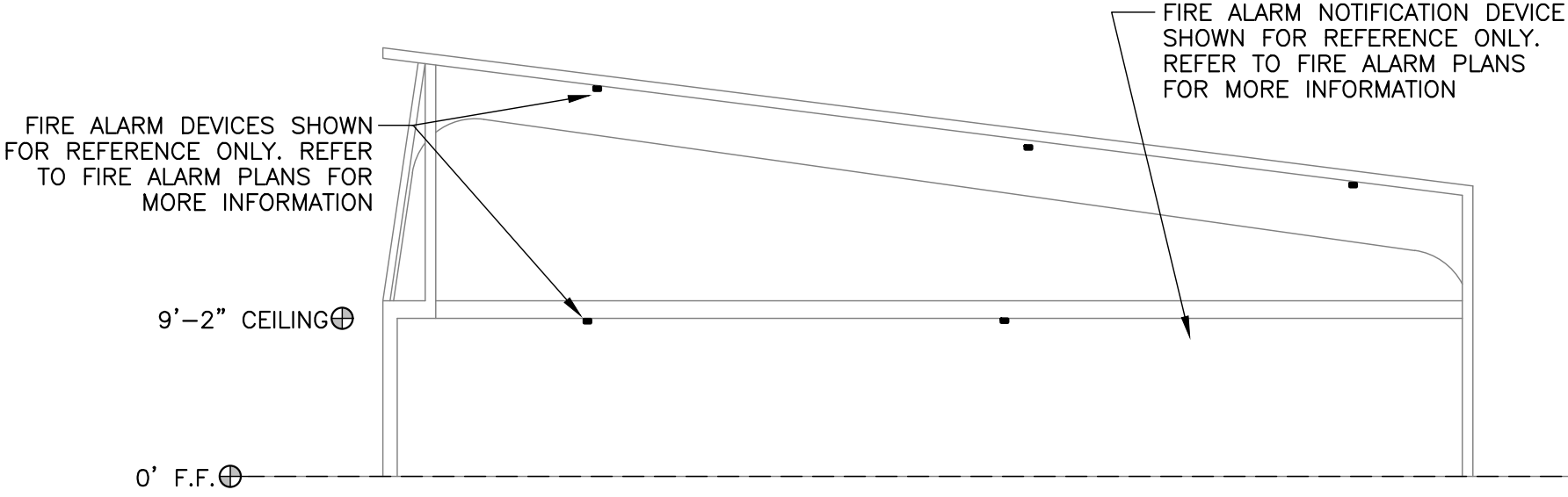
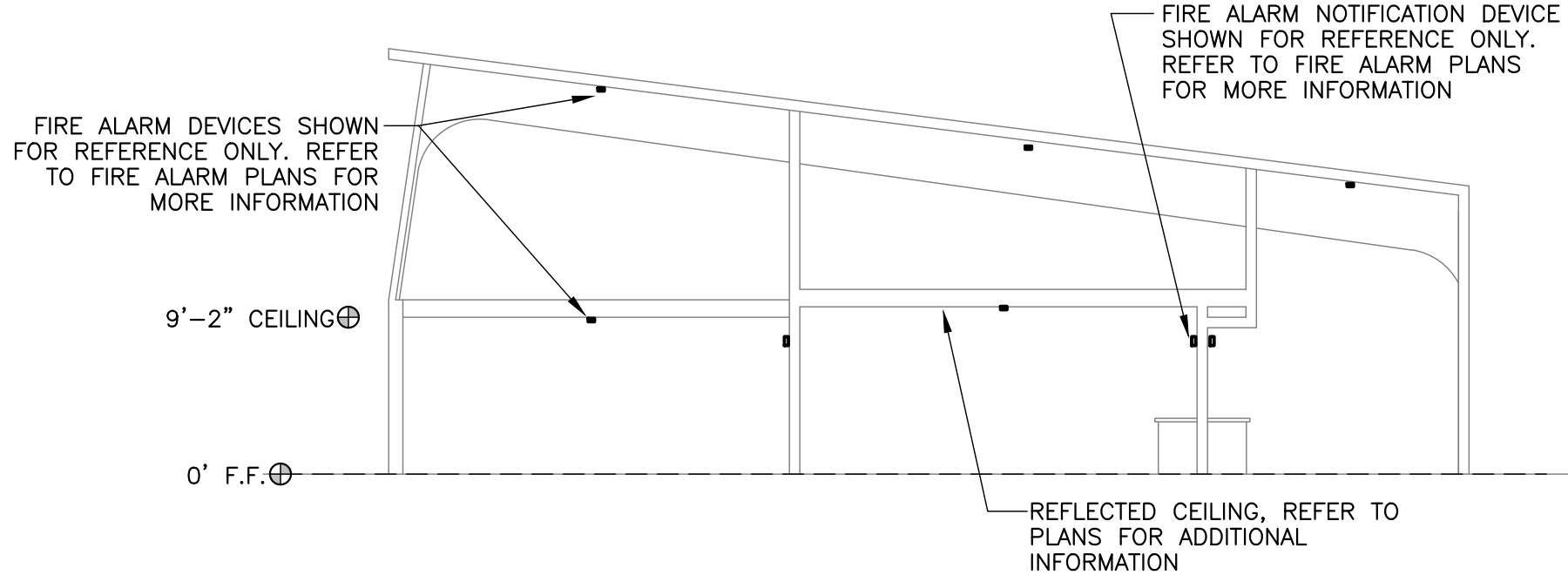


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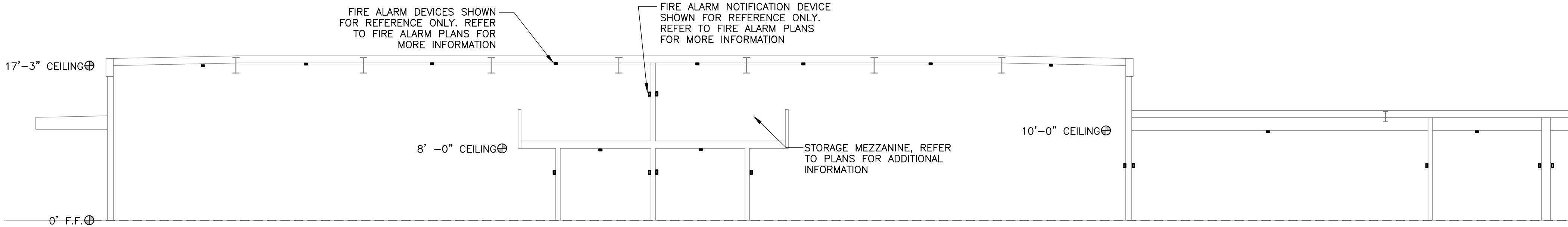
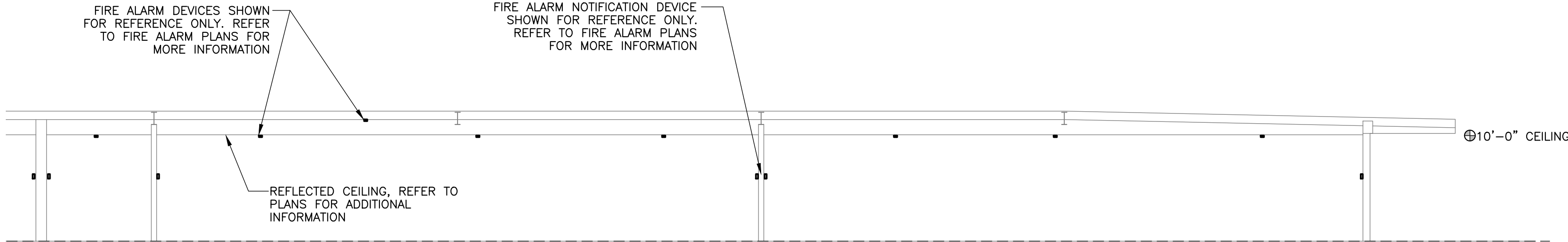
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FIRE ALARM
SECTIONS

FA4.03



3 FIRE ALARM BLDG H SECTION 2
SCALE: 1/8" = 1'-0"



FIRE ALARM BLDG G SECTION - 2
SCALE: 1/8" = 1'-0"

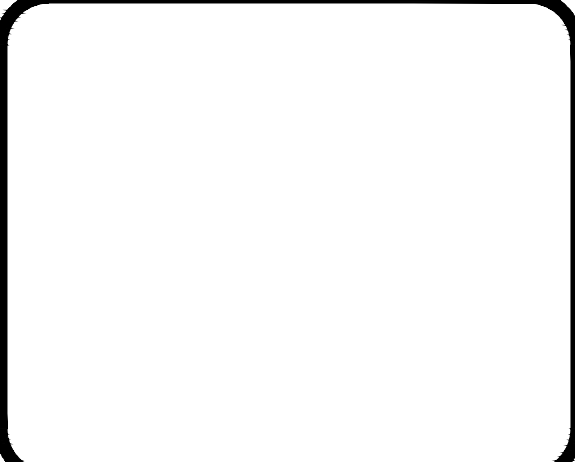
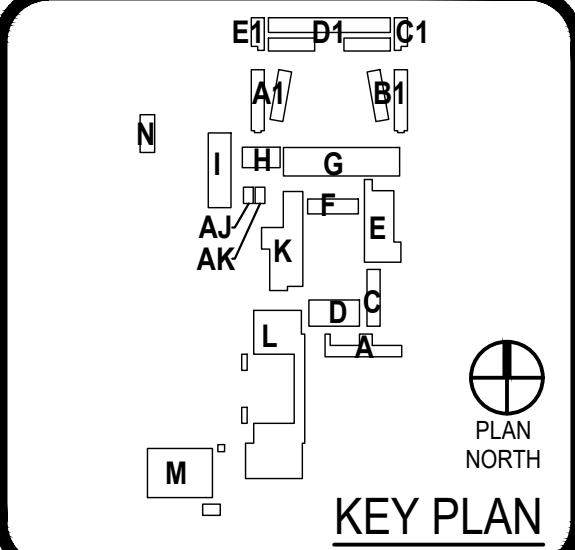




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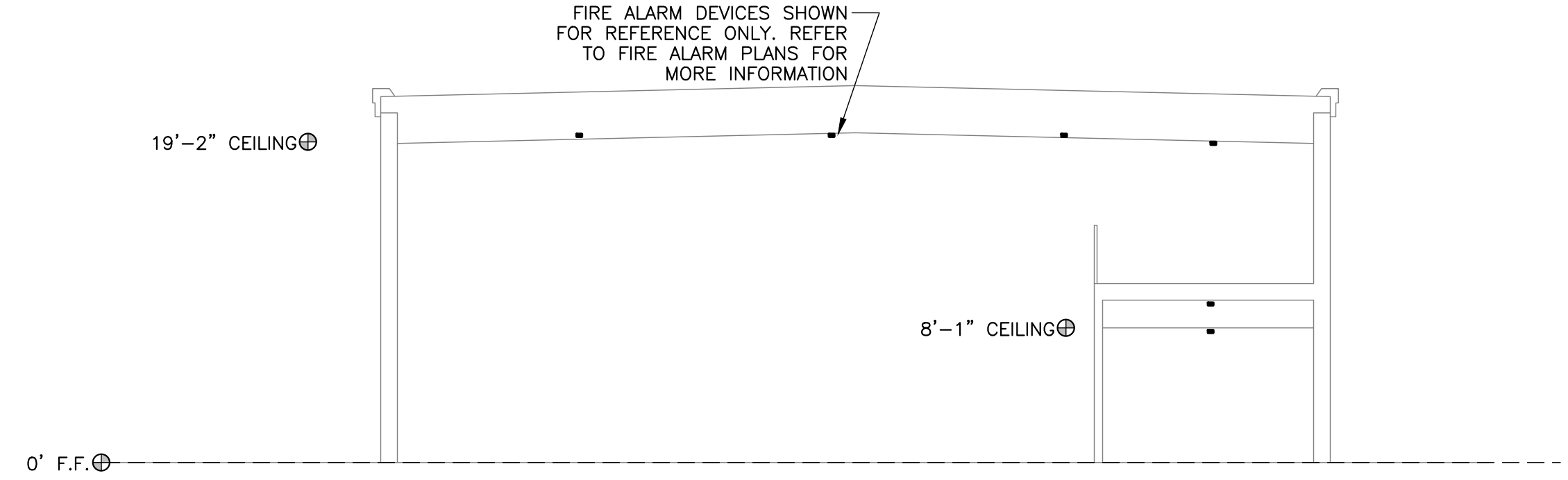
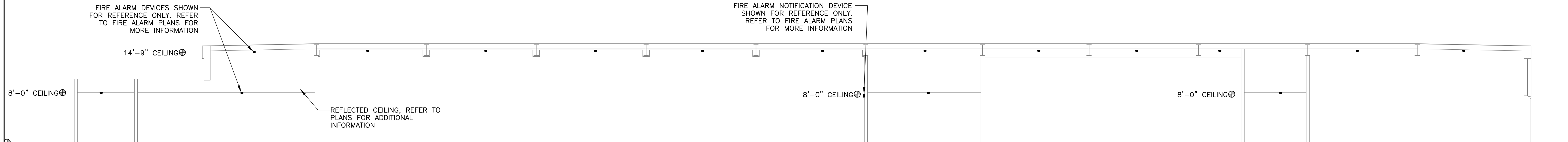
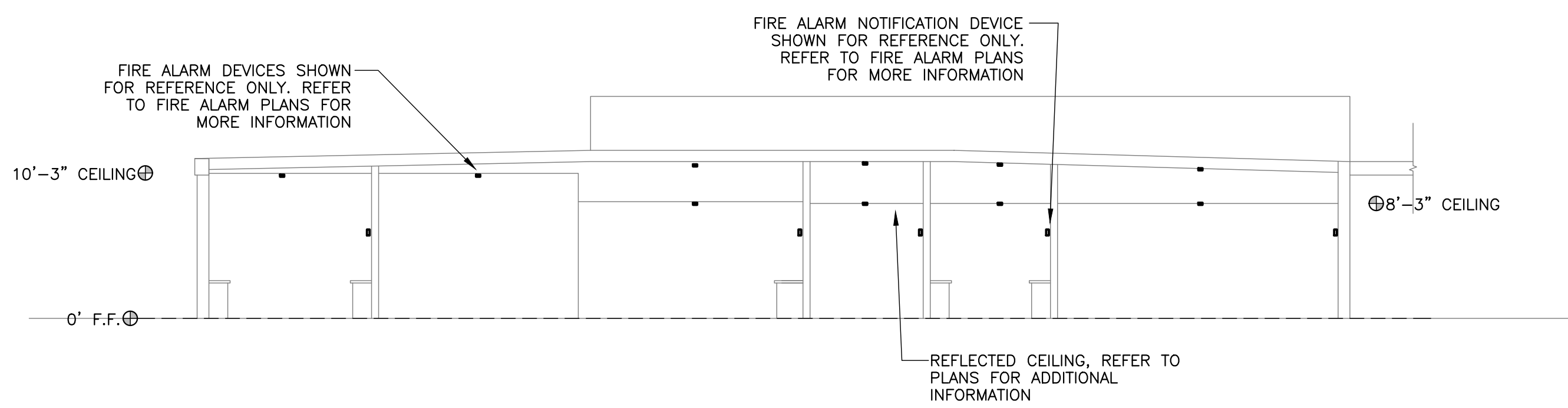
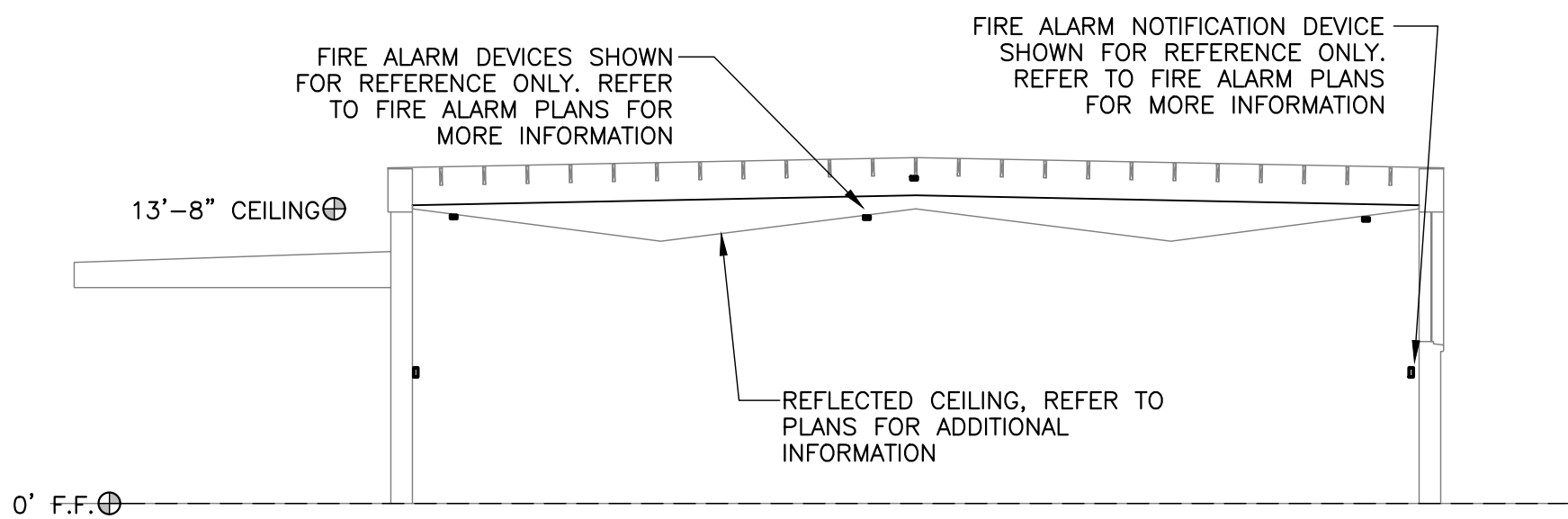
LODI HIGH SCHOOL
CAMPUS WIDE FIRE ALARM UPGRADE

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GENERAL NOTES

- SECTIONS ARE FOR REFERENCE ONLY.



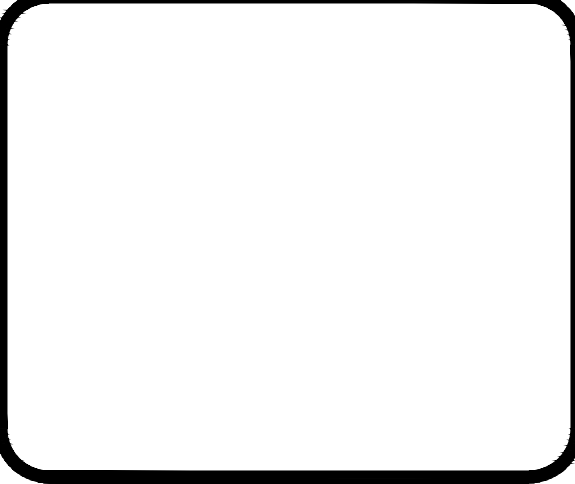
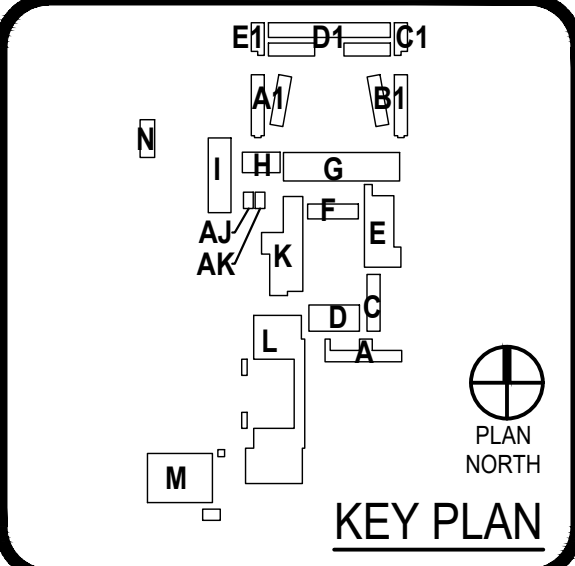
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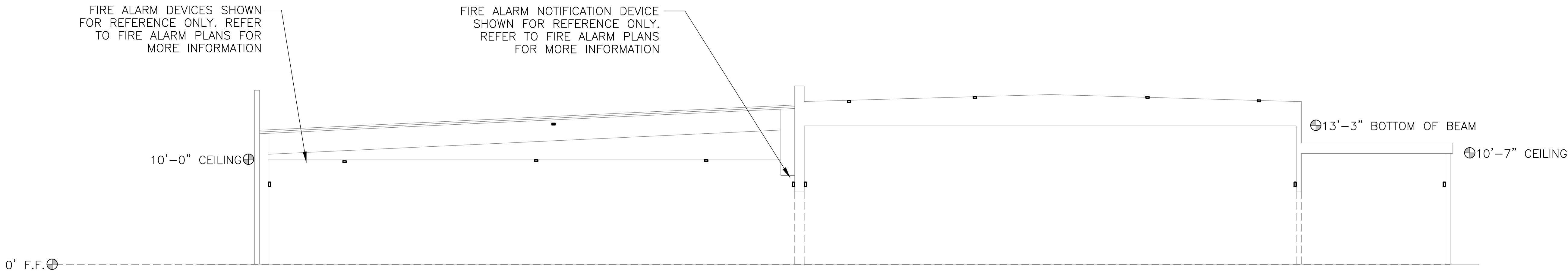
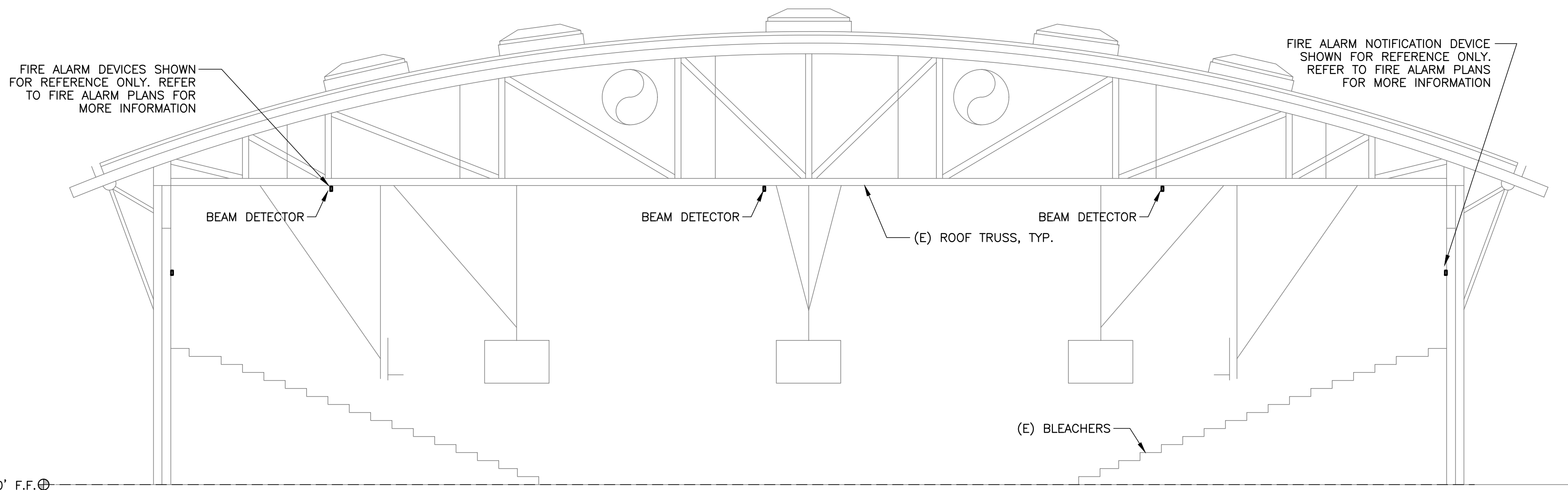
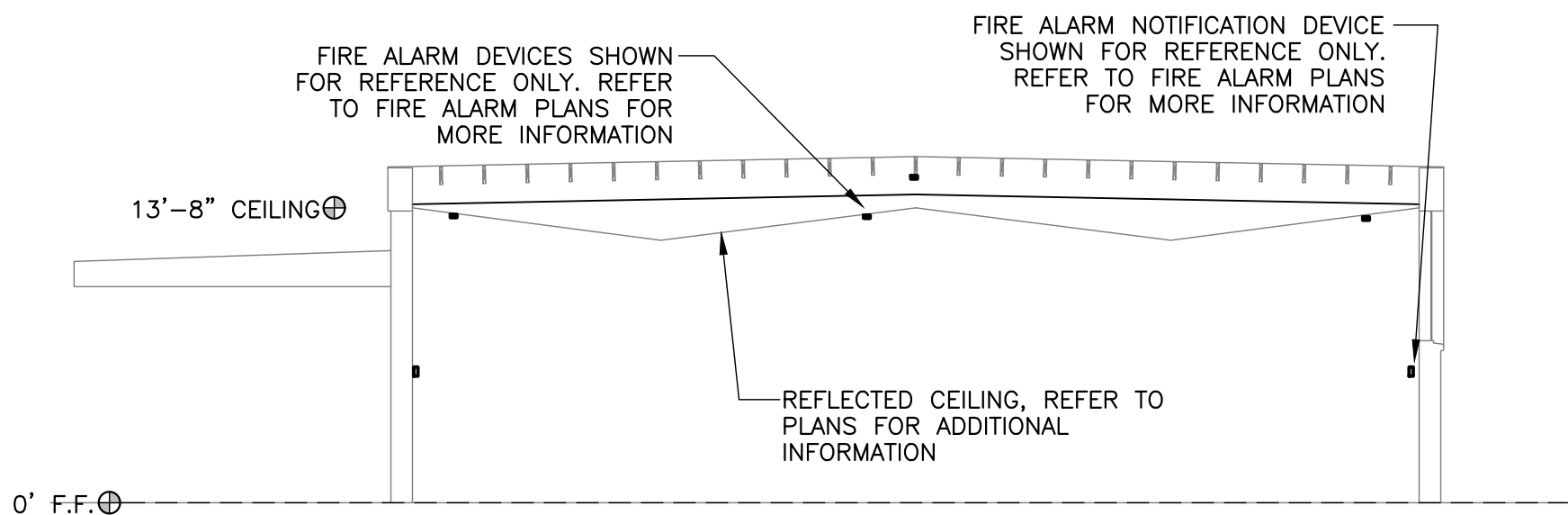


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FA4.05





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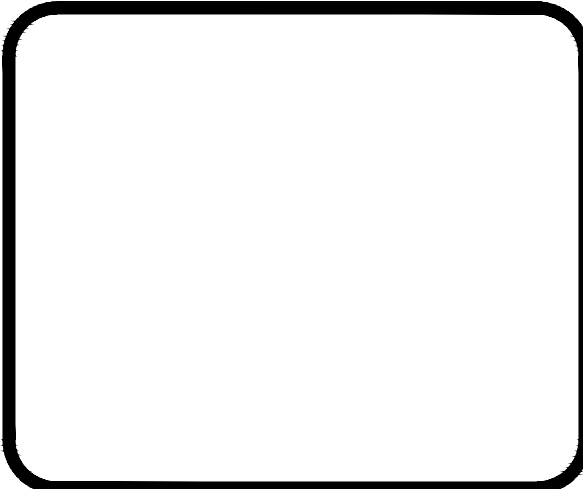
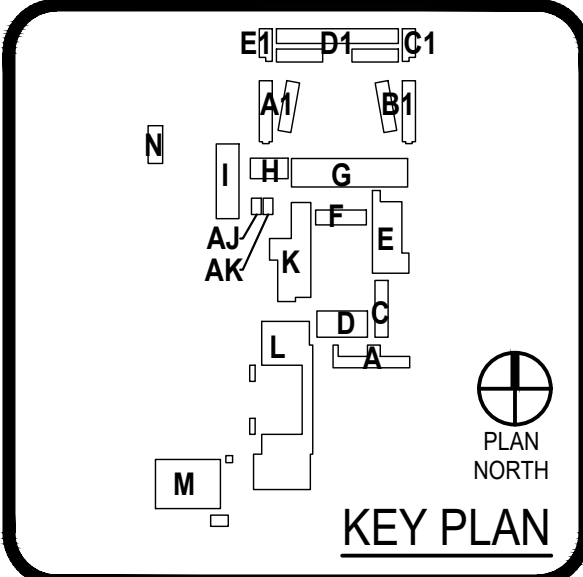
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CAMPUS WIDE FIRE ALARM UPGRADE

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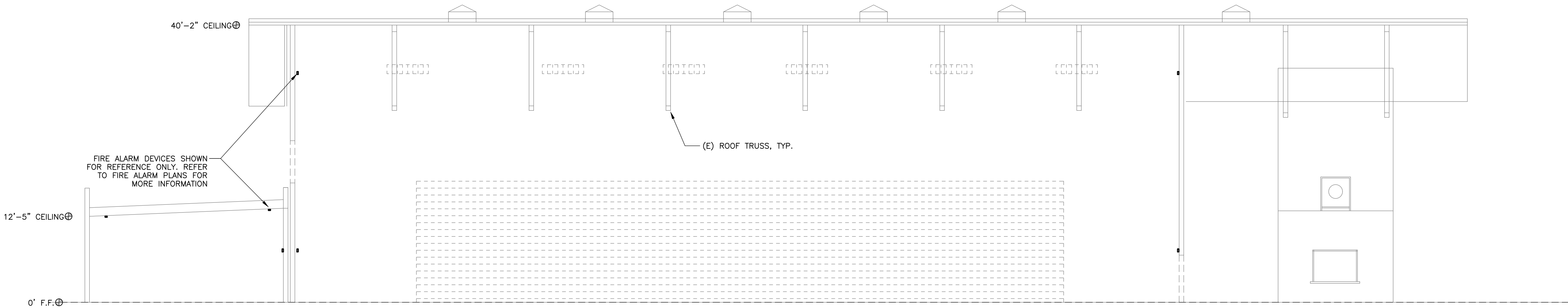
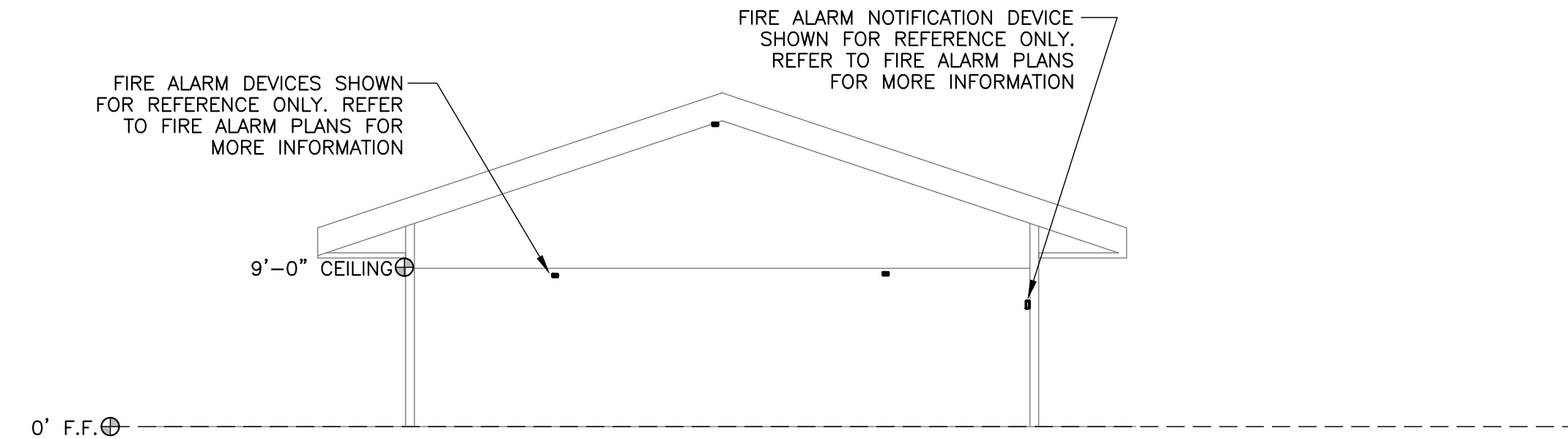
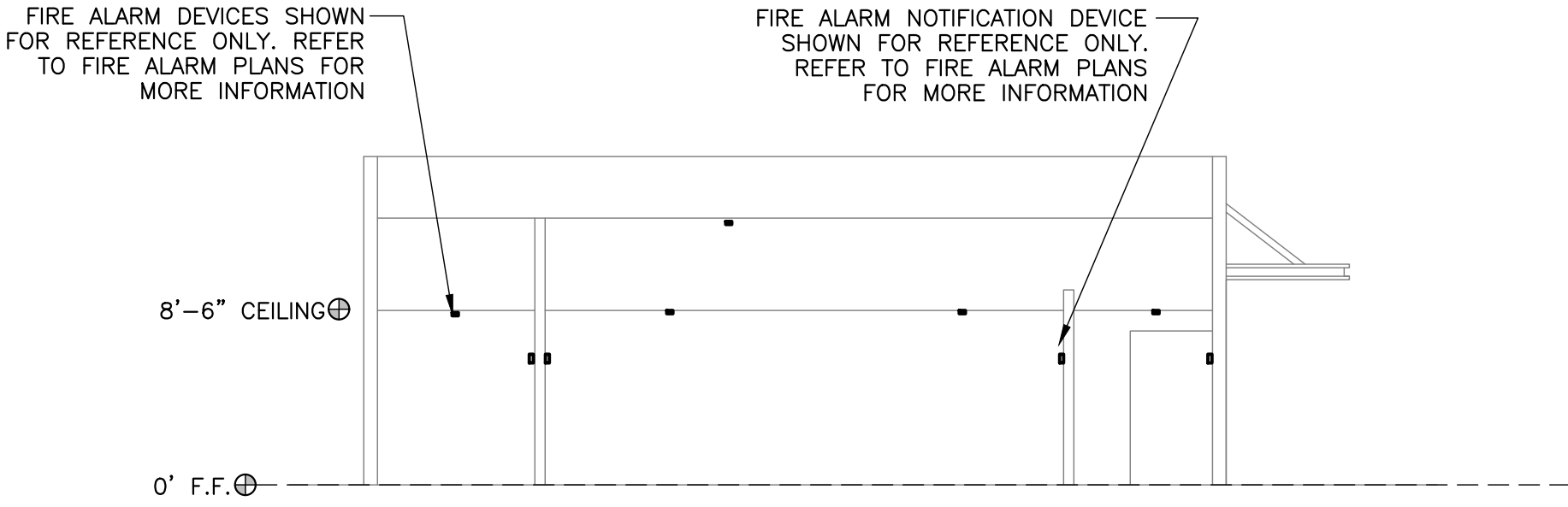
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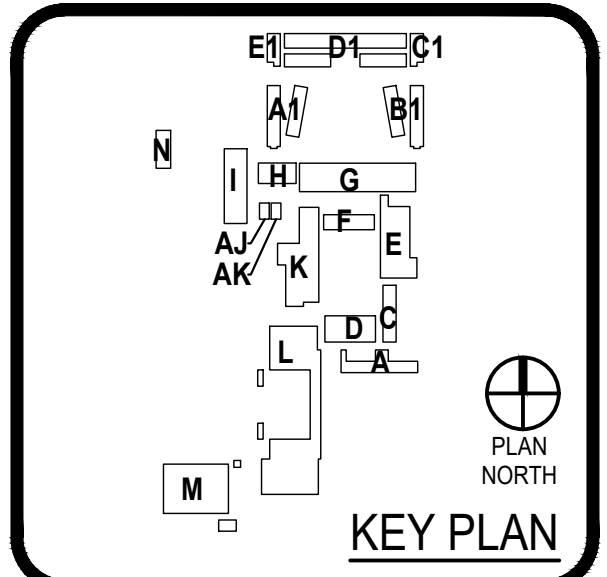




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LODI UNIFIED SCHOOL DISTRICT

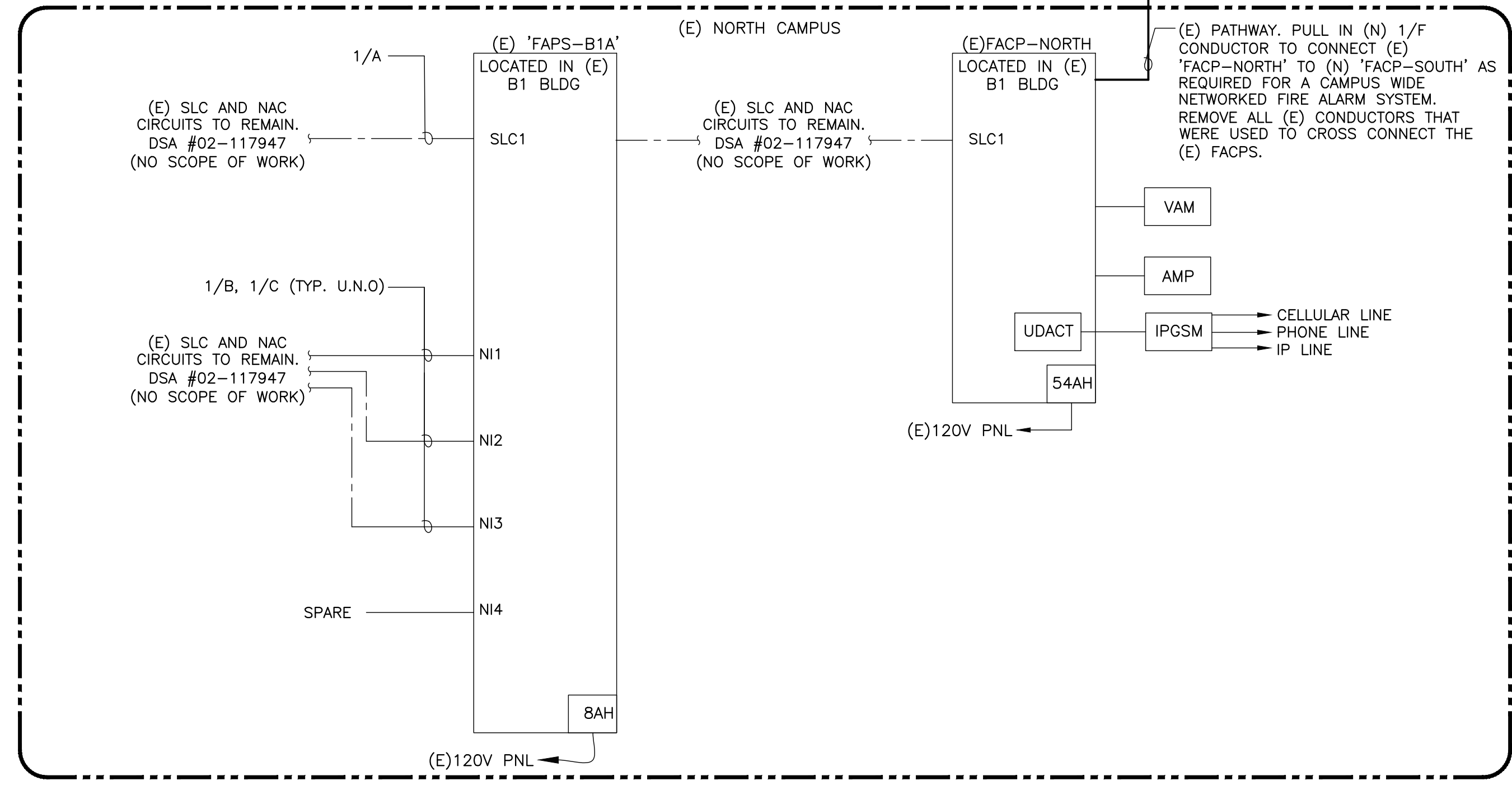
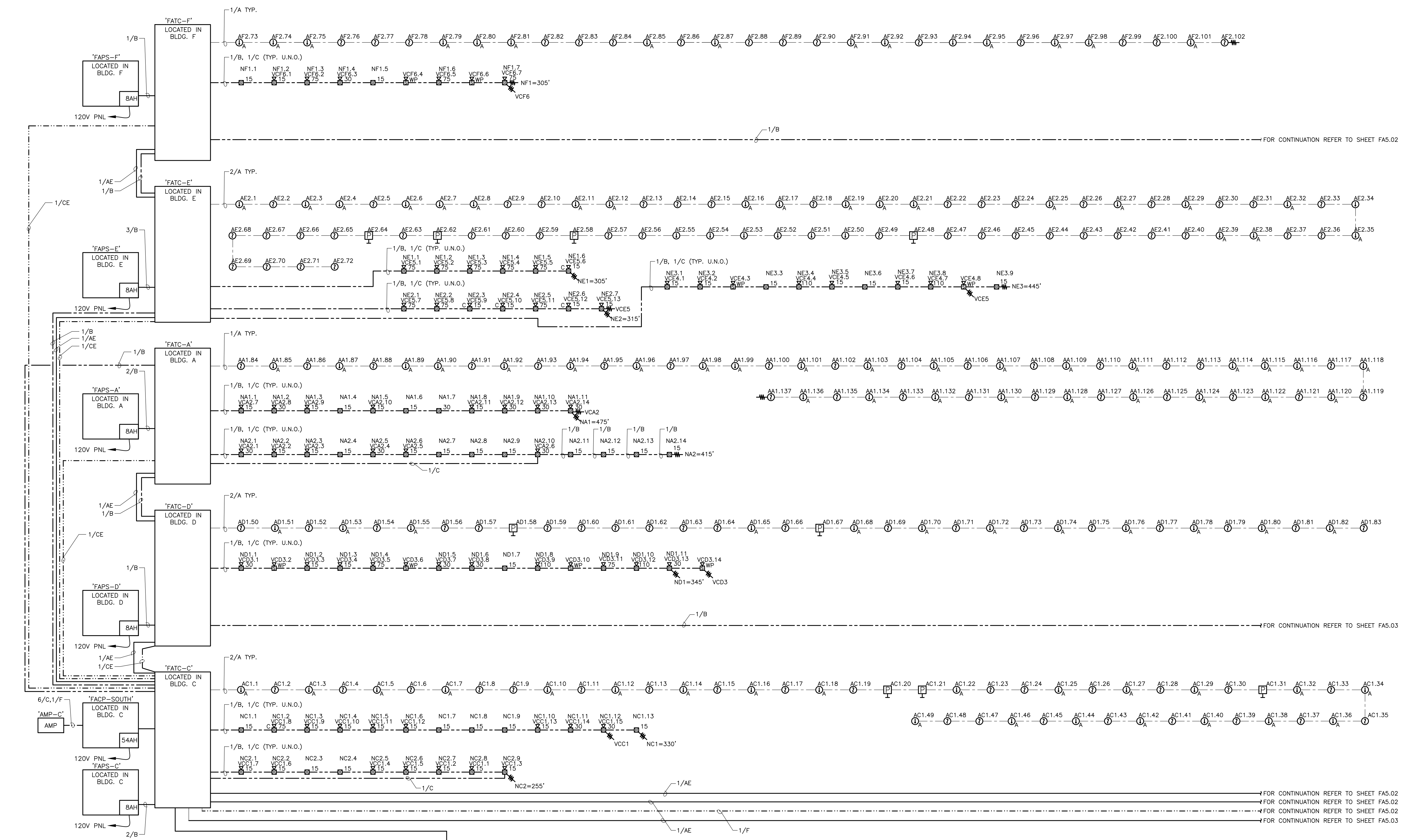
PROJECT NUMBER
19465

DATE
JULY 24, 2020

REVISIONS

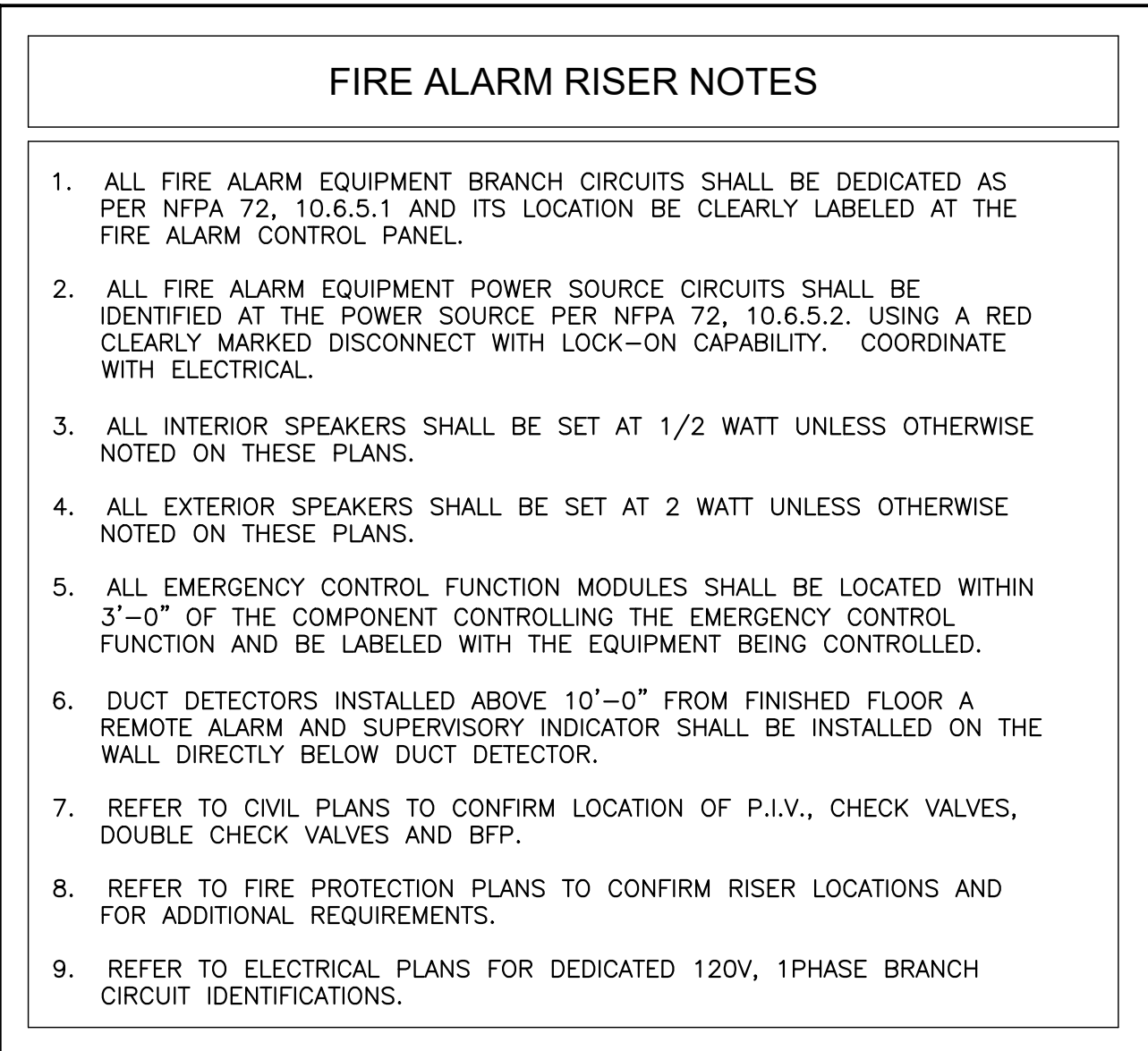
#	DESCRIPTION	DATE

CONSTRUCTION DOCUMENTS
PARTIAL FIRE ALARM RISER DIAGRAM



- FIRE ALARM RISER NOTES**
1. ALL FIRE ALARM EQUIPMENT BRANCH CIRCUITS SHALL BE DEDICATED AS PER NFPA 72, 10.6.5.1 AND ITS LOCATION BE CLEARLY LABELED AT THE FIRE ALARM CONTROL PANEL.
 2. ALL FIRE ALARM EQUIPMENT POWER SOURCE CIRCUITS SHALL BE IDENTIFIED AT THE POWER SOURCE PER NFPA 72, 10.6.5.2. USING A RED CLEARLY MARKED DISCONNECT WITH LOCK-ON CAPABILITY. COORDINATE WITH ELECTRICAL.
 3. ALL INTERIOR SPEAKERS SHALL BE SET AT 1/2 WATT UNLESS OTHERWISE NOTED ON THESE PLANS.
 4. ALL EXTERIOR SPEAKERS SHALL BE SET AT 2 WATT UNLESS OTHERWISE NOTED ON THESE PLANS.
 5. ALL EMERGENCY CONTROL FUNCTION MODULES SHALL BE LOCATED WITHIN 3'-0" OF THE COMPONENT CONTROLLING THE EMERGENCY CONTROL FUNCTION AND BE LABELED WITH THE EQUIPMENT BEING CONTROLLED.
 6. DUCT DETECTORS INSTALLED ABOVE 10'-0" FROM FINISHED FLOOR A REMOTE ALARM AND SUPERVISORY INDICATOR SHALL BE INSTALLED ON THE WALL DIRECTLY BELOW DUCT DETECTOR.
 7. REFER TO CIVIL PLANS TO CONFIRM LOCATION OF P.I.V., CHECK VALVES, DOUBLE CHECK VALVES AND BFP.
 8. REFER TO FIRE PROTECTION PLANS TO CONFIRM RISER LOCATIONS AND FOR ADDITIONAL REQUIREMENTS.
 9. REFER TO ELECTRICAL PLANS FOR DEDICATED 120V, 1PHASE BRANCH CIRCUIT IDENTIFICATIONS.





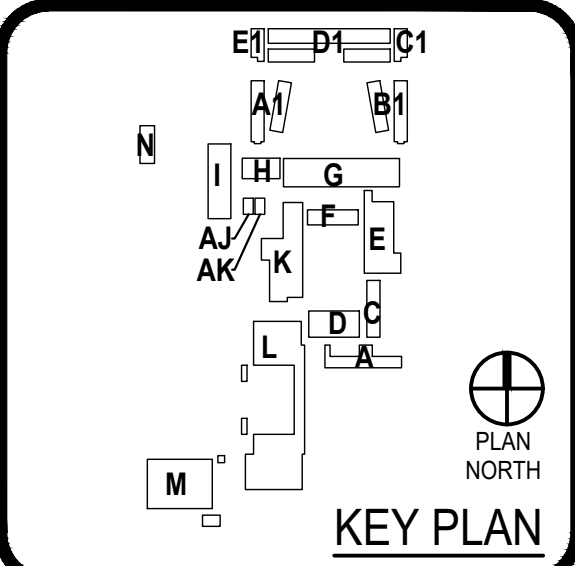


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LODI HIGH SCHOOL
CAMPUS WIDE FIRE ALARM UPGRADE

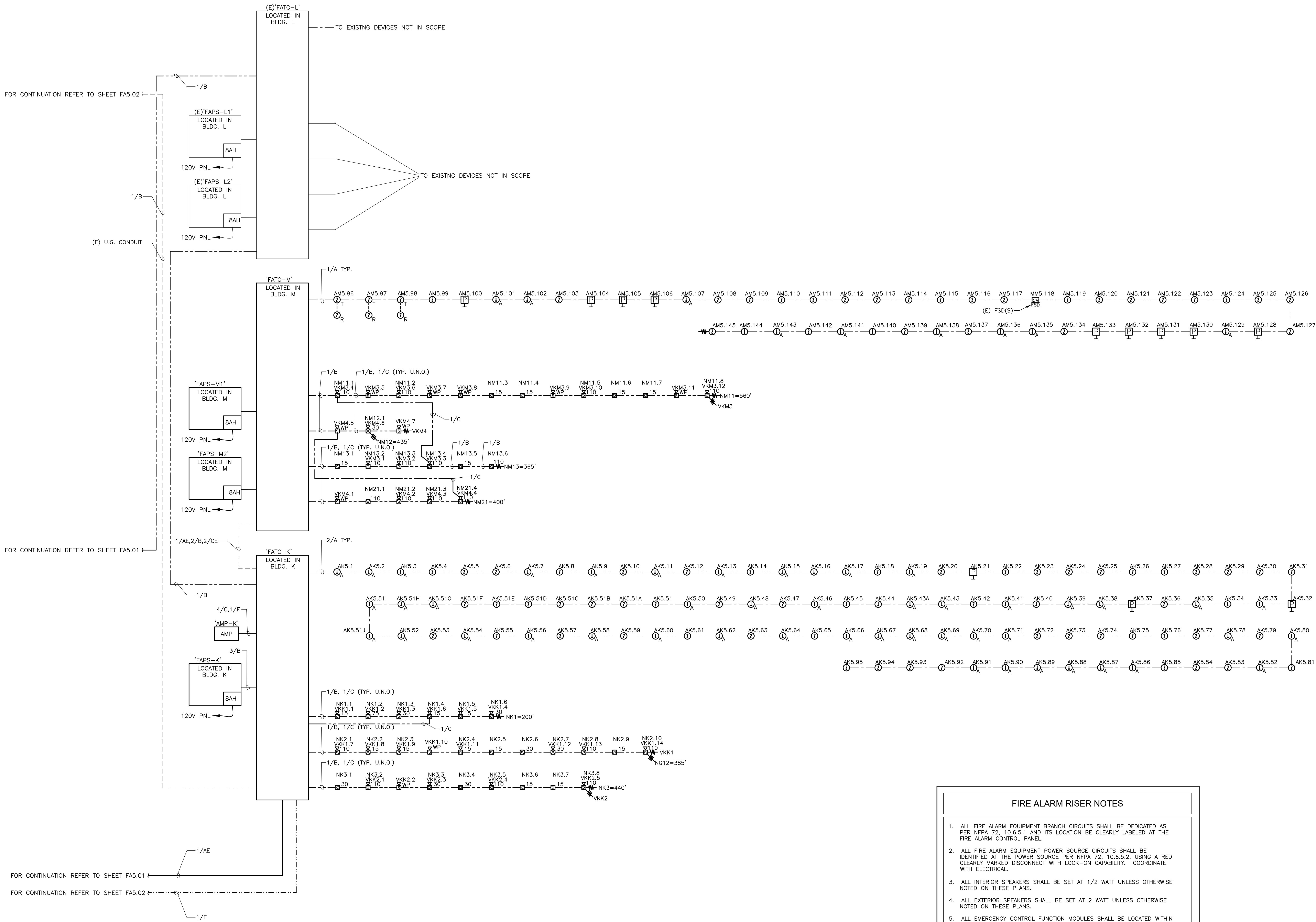
3 South Pacific Avenue
Lodi, CA 95242
DSA App. # 02-118482
CONSTRUCTION DOCUMENTS
PTN: 68655-212



CLIENT LODI UNIFIED SCHOOL DISTRICT		
PROJECT NUMBER 19465		
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CONSTRUCTION DOCUMENTS
**PARTIAL FIRE
ALARM RISER
DIAGRAM**

FA5.03



FIRE ALARM RISER NOTES

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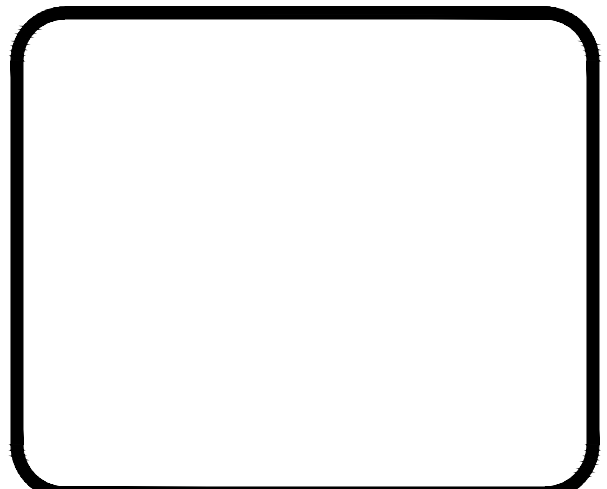
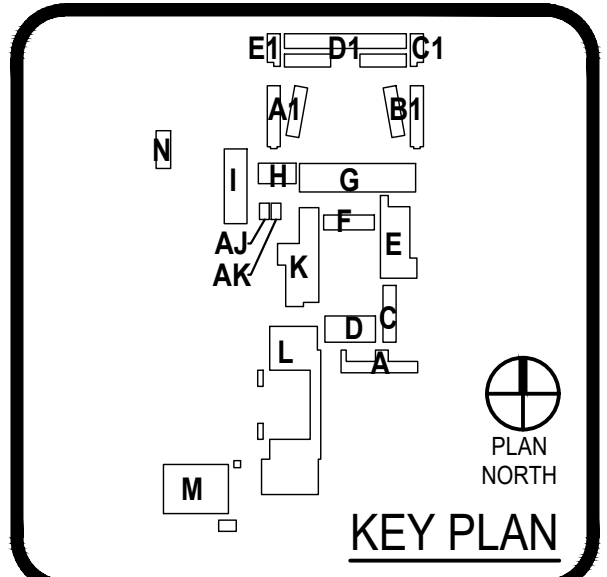


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LODI HIGH SCHOOL
CAMPUS WIDE FIRE ALARM UPGRADE

3 South Pacific Avenue
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CONSTRUCTION DOCUMENTS
PTN: 68655-712



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CONSTRUCTION DOCUMENTS
FIRE ALARM
BATTERY AND
VOLTAGE DROP
CALCS

FA5.04

FIRE ALARM REMOTE PANEL 'FACP-SOUTH' BATTERY CALCULATIONS

DEVICE	QUANTITY	STANDBY CURRENT		ALARM CURRENT	
		AMPS	TOTAL	AMPS	TOTAL
FACP LOAD (ADDRESSIBLE)	1	1.416	1.416	1.92	1.92
PULL STATION	23	0.000375	0.008625	0.005	0.115
HEAT DETECTOR	248	0.0002	0.0496	0.0045	1.116
SMOKE DETECTOR	321	0.0002	0.0642	0.0045	1.4445
BEAM SMOKE DETECTOR	3	0.002	0.006	0.0085	0.0255
MULTI-CRITERIA/CO DETECTOR	0	0.0003	0	0.0065	0
MONITOR MODULE	0	0.004	0	0.008	0
CONTROL MODULE	1	0.004	0.004	0.008	0.008
POWER BOOSTER	1	0.075	0.075	0.205	0.205
15CD HORN'S/TROBE	0		0	0.068	0
30CD HORN'S/TROBE	0		0	0.12	0
75CD HORN'S/TROBE	0		0	0.174	0
110CD HORN'S/TROBE	0		0	0.224	0
15CD STROBE	0		0	0.047	0
30CD STROBE	0		0	0.081	0
75CD STROBE	0		0	0.128	0
110CD STROBE	0		0	0.166	0
EXTERIOR SPEAKER	0		0	0.041	0
TOTAL			1.623425		4.834
TOTAL 24 HR STANDBY			38.9622		
TOTAL 15 MIN ALARM					1.2085
TOTAL REQUIRED AH +20%SPARE	40.1707				
FACP BATTERY AH	48.20484				
	54				

PROVIDE CABINET FOR MOUNTING OF BATTERIES.

POWER BOOSTER PANEL 'FAPS-A' BATTERY CALCULATIONS

DEVICE	QUANTITY	STANDBY CURRENT		ALARM CURRENT	
		AMPS	TOTAL	AMPS	TOTAL
BOOSTER (ADDRESSIBLE)	1	0.056	0.056	0.056	0.056
15CD HORN'S/TROBE	7		0	0.088	0.616
30CD HORN'S/TROBE	7		0	0.12	0.84
75CD HORN'S/TROBE	0		0	0.174	0
110CD HORN'S/TROBE	0		0	0.224	0
15CD STROBE	10		0	0.047	0.47
30CD STROBE	1		0	0.081	0.081
75CD STROBE	0		0	0.128	0
110CD STROBE	0		0	0.166	0
EXTERIOR SPEAKER	0		0	0.041	0
CO SOUNDER BASE	0	0.0005	0	0.035	0
TOTAL			0.056		2.063
TOTAL 24 HR STANDBY			1.344		
TOTAL 15 MIN ALARM					0.51575
TOTAL REQUIRED AH	1.85975				
TOTAL +20%SPARE	2.2317				
FACP BATTERY AH	8				

POWER BOOSTER PANEL 'FAPS-C' BATTERY CALCULATIONS

DEVICE	QUANTITY	STANDBY CURRENT		ALARM CURRENT	
		AMPS	TOTAL	AMPS	TOTAL
BOOSTER (ADDRESSIBLE)	1	0.056	0.056	0.056	0.056
15CD HORN'S/TROBE	12		0	0.088	1.056
30CD HORN'S/TROBE	2		0	0.12	0.24
75CD HORN'S/TROBE	1		0	0.174	0.174
110CD HORN'S/TROBE	0		0	0.224	0
15CD STROBE	7		0	0.047	0.329
30CD STROBE	0		0	0.081	0
75CD STROBE	0		0	0.128	0
110CD STROBE	0		0	0.166	0
EXTERIOR SPEAKER	0		0	0.041	0
CO SOUNDER BASE	0	0.0005	0	0.035	0
TOTAL			0.056		1.855
TOTAL 24 HR STANDBY			1.344		
TOTAL 15 MIN ALARM					0.46375
TOTAL REQUIRED AH	1.80775				
TOTAL +20%SPARE	2.1693				
FACP BATTERY AH	8				

POWER BOOSTER PANEL 'FAPS-E' BATTERY CALCULATIONS

DEVICE	QUANTITY	STANDBY CURRENT		ALARM CURRENT	
		AMPS	TOTAL	AMPS	TOTAL
BOOSTER (ADDRESSIBLE)	1	0.056	0.056	0.056	0.056
15CD HORN'S/TROBE	9		0	0.088	0.792
30CD HORN'S/TROBE	7		0	0.12	0
75CD HORN'S/TROBE	8		0	0.174	1.392
110CD HORN'S/TROBE	2		0	0.224	0.448
15CD STROBE	3		0	0.047	0.141
30CD STROBE	0		0	0.081	0
75CD STROBE	0		0	0.128	0
110CD STROBE	0		0	0.166	0
EXTERIOR SPEAKER	0		0	0.041	0
CO SOUNDER BASE	0	0.0005	0	0.035	0
TOTAL			0.056		2.829
TOTAL 24 HR STANDBY			1.344		
TOTAL 15 MIN ALARM					0.70725
TOTAL REQUIRED AH	2.05125				
TOTAL +20%SPARE	2.4615				
FACP BATTERY AH	8				

POWER BOOSTER PANEL 'FAPS-G1' BATTERY CALCULATIONS

DEVICE	QUANTITY	STANDBY CURRENT		ALARM CURRENT	
		AMPS	TOTAL	AMPS	TOTAL
BOOSTER (ADDRESSIBLE)	1	0.056	0.056	0.056	0.056
15CD HORN'S/TROBE	7		0	0.088	0.616
30CD HORN'S/TROBE	4		0	0.12	0.48
75CD HORN'S/TROBE	4		0	0.174	0.696
110CD HORN'S/TROBE	3		0	0.224	0.672
15CD STROBE	3		0	0.047	0.141
30CD STROBE	0		0	0.081	0
75CD STROBE	0		0	0.128	0
110CD STROBE	0		0	0.166	0
EXTERIOR SPEAKER	0		0	0.041	0
CO SOUNDER BASE	0	0.0005	0	0.035	0
TOTAL			0.056		2.661
TOTAL 24 HR STANDBY			1.344		
TOTAL 15 MIN ALARM					0.66525
TOTAL REQUIRED AH	2.00925				
TOTAL +20%SPARE	2.4111				
FACP BATTERY AH	8				

FAMP-K SPEAKER CALCULATION				
TOTAL WATTAGE USED		34		
TOTAL WATTAGE AVAILABLE		50		
PERCENTAGE REMAINING		32.00%		
DEVICE	QTY	Wattage Used	Wattage Available	
1/4 WATT SPKR	0	0	50	
1/2 WATT SPKR	28	14	36	
3/4 WATT SPKR	0	0	36	
1 WATT SPKR	0	0	36	
2 WATT SPKR	10	20	16	

FAMP-G SPEAKER CALCULATION				
TOTAL WATTAGE USED		42.5		
TOTAL WATTAGE AVAILABLE		50		
PERCENTAGE REMAINING		15.00%		
DEVICE	QTY	Wattage Used	Wattage Available	
1/4 WATT SPKR	0	0	50	
1/2 WATT SPKR	49	24.5	25.5	
3/4 WATT SPKR	0	0	25.5	
1 WATT SPKR	0	0	25.5	
2 WATT SPKR	9	18	7.5	

FAMP-C SPEAKER CALCULATION				
TOTAL WATTAGE USED		46		
TOTAL WATTAGE AVAILABLE		50		
PERCENTAGE REMAINING		8.00%		
DEVICE	QTY	Wattage Used	Wattage Available	
1/4 WATT SPKR	0	0	50	
1/2 WATT SPKR	64	32	16	
3/4 WATT SPKR	0	0	16	
1 WATT SPKR	0	0	16	
2 WATT SPKR	7	14	4	

POWER BOOSTER PANEL 'FAPS-AK' BATTERY CALCULATIONS

DEVICE	QUANTITY	STANDBY CURRENT		ALARM CURRENT	
		AMPS	TOTAL	AMPS	TOTAL
BOOSTER (ADDRESSIBLE)	1	0.056	0.056	0.056	0.056
15CD HORN'S/TROBE	0		0	0.088	0
30CD HORN'S/TROBE	0		0	0.12	0
75CD HORN'S/TROBE	2		0	0.174	0.348
110CD HORN'S/TROBE	0		0	0.224	0
15CD STROBE	0		0	0.047	0
30CD STROBE	0		0	0.081	0
75CD STROBE	0		0	0.128	0
110CD STROBE	0		0	0.166	0
EXTERIOR SPEAKER	0		0	0.041	0
CO SOUNDER BASE	0	0.0005	0	0.035	0
TOTAL			0.056		0.404
TOTAL 24 HR STANDBY			1.344		
TOTAL 15 MIN ALARM					0.101
TOTAL REQUIRED AH	1.445				
TOTAL +20%SPARE	1.734				
FACP BATTERY AH	8				

POWER BOOSTER PANEL 'FAPS-D' BATTERY CALCULATIONS

DEVICE	QUANTITY	STANDBY CURRENT		ALARM CURRENT	
		AMPS	TOTAL	AMPS	TOTAL
BOOSTER (ADDRESSIBLE)	1	0.056	0.056	0.056	0.056
15CD HORN'S/TROBE	2		0	0.088	0.176
30CD HORN'S/TROBE	4		0	0.12	0.48
75CD HORN'S/TROBE	2		0	0.174	0.348
110CD HORN'S/TROBE	2		0	0.224	0.448
15CD STROBE	1		0	0.047	0.047
30CD STROBE	0		0	0.081	0
75CD STROBE	0		0	0.128	0
110CD STROBE	0		0	0.166	0
EXTERIOR SPEAKER	0		0	0.041	0
CO SOUNDER BASE	0	0.0005	0	0.035	0
TOTAL			0.056		1.555
TOTAL 24 HR STANDBY			1.344		
TOTAL 15 MIN ALARM					0.38875
TOTAL REQUIRED AH	1.73275				
TOTAL +20%SPARE	2.0793				
FACP BATTERY AH	8				

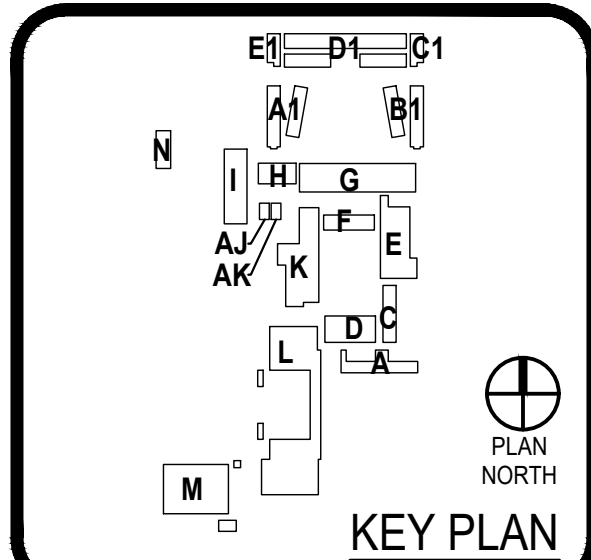
POWER BOOSTER PANEL 'FAPS-F' BATTERY CALCULATIONS

DEVICE	QUANTITY	STANDBY CURRENT		ALARM CURRENT	
		AMPS	TOTAL	AMPS	TOTAL
BOOSTER (ADDRESSIBLE)	1	0.056	0.056	0.056	0.056
15CD HORN'S/TROBE	1		0	0.088	0.088
30CD HORN'S/TROBE	0		0	0.12	0
75CD HORN'S/TROBE	3		0	0.174	0.522
110CD HORN'S/TROBE	0		0	0.224	0
15CD STROBE	2		0	0.047	0.094
30CD STROBE	0		0	0.081	0
75CD STROBE	0		0	0.128	0
110CD STROBE	0		0	0.166	0
EXTERIOR SPEAKER	0		0	0.041	0
CO SOUNDER BASE	0	0.0005	0	0.035	0
TOTAL			0.056		0.88
TOTAL 24 HR STANDBY			1.344		
TOTAL 15 MIN ALARM					0.22
TOTAL REQUIRED AH	1.564				
TOTAL +20%SPARE	1.8768				
FACP BATTERY AH	8				

POWER BOOSTER PANEL 'FAPS-G2' BATTERY CALCULATIONS

DEVICE	QUANTITY	STANDBY CURRENT		ALARM CURRENT	
		AMPS	TOTAL	AMPS	TOTAL
BOOSTER (ADDRESSIBLE)	1	0.056	0.056	0.056	0.056
15CD HORN'S/TROBE	4		0	0.088	0.352
30CD HORN'S/TROBE	5		0	0.12	0.6
75CD HORN'S/TROBE	4		0	0.174	0.696
110CD HORN'S/TROBE	0		0	0.224	0
15CD STROBE	0		0	0.047	0
30CD STROBE	0		0	0.081	0
75CD STROBE	0		0	0.128	0
110CD STROBE	0		0	0.166	0
EXTERIOR SPEAKER	0		0	0.041	0
CO SOUNDER BASE	0	0.0005	0	0.035	0
TOTAL			0.056		1.704
TOTAL 24 HR STANDBY			1.344		
TOTAL 15 MIN ALARM					0.426
TOTAL REQUIRED AH	1.77				
TOTAL +20%SPARE	2.124				
FACP BATTERY AH	8				

VOLTAGE DROP CALCULATIONS 'FAPS-A'																		
CIRCUIT NO.	FLOOR BLDG.	PANEL	CO SOUNDER 96dB A @ 0.035 A	INTERIOR SPEAKER 96dB A @ 0.075 A	EXTENSOR SPEAKER 99dB A @ 0.075 A	SPEAKER STROBE 15cd @ 0.041 A	SPEAKER STROBE 30cd @ 0.063 A	SPEAKER STROBE 75cd @ 0.111 A	SPEAKER STROBE 110cd @ 0.158 A	STROBE ONLY 15cd @ 0.041 A	STROBE ONLY 30cd @ 0.063 A	WIRE SIZE (IN OHMS/1000FT) (AWG)	RESISTANCE (IN OHMS/1000FT)	LENGTH (IN FEET)	TOTAL CURRENT (IN AMPS)	VOLTAGE DROP	% OF VOLTAGE DROP	
NA1	A1	A				4	4			2	1	12	1.98	475	0.561	1.06	4.40%	
NA2	A1					3	3			8		12	1.98	415	0.640	1.05	4.38%	
NA3	SPARE												12	1.98				
NA4	SPARE												12	1.98				
AVAILABLE VOLTAGE															21.89			



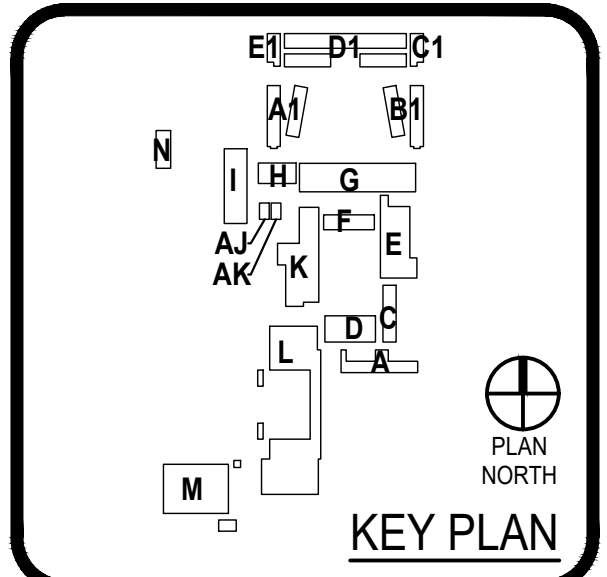
POWER BOOSTER PANEL 'FAPS-M2'					
BATTERY CALCULATIONS					
DEVICE	STANDBY CURRENT		ALARM CURRENT		TOTAL
	QUANTITY	AMPS	AMPS	AMPS	
BOOSTER (ADDRESS/ILE)	1	0.056	0.056	0.056	0.056
15CD HORN/STROBE	0	0	0	0.088	0
30CD HORN/STROBE	0	0	0	0.12	0
75CD HORN/STROBE	0	0	0	0.174	0
110CD HORN/STROBE	3	0	0	0.224	0.672
15CD STROBE	0	0	0	0.047	0
30CD STROBE	0	0	0	0.081	0
75CD STROBE	0	0	0	0.128	0
110CD STROBE	0	0	0	0.166	0
EXTERIOR SPEAKER	0	0	0	0.041	0
CO SOUNDER BASE	0	0.0005	0	0.035	0
TOTAL			0.056		0.728
TOTAL 24 HR STANDBY			1.344		
TOTAL 15 MIN ALARM					0.182
TOTAL REQUIRED AH	1.526				
TOTAL +20% SPARE	1.8312				
FACP BATTERY AH	8				



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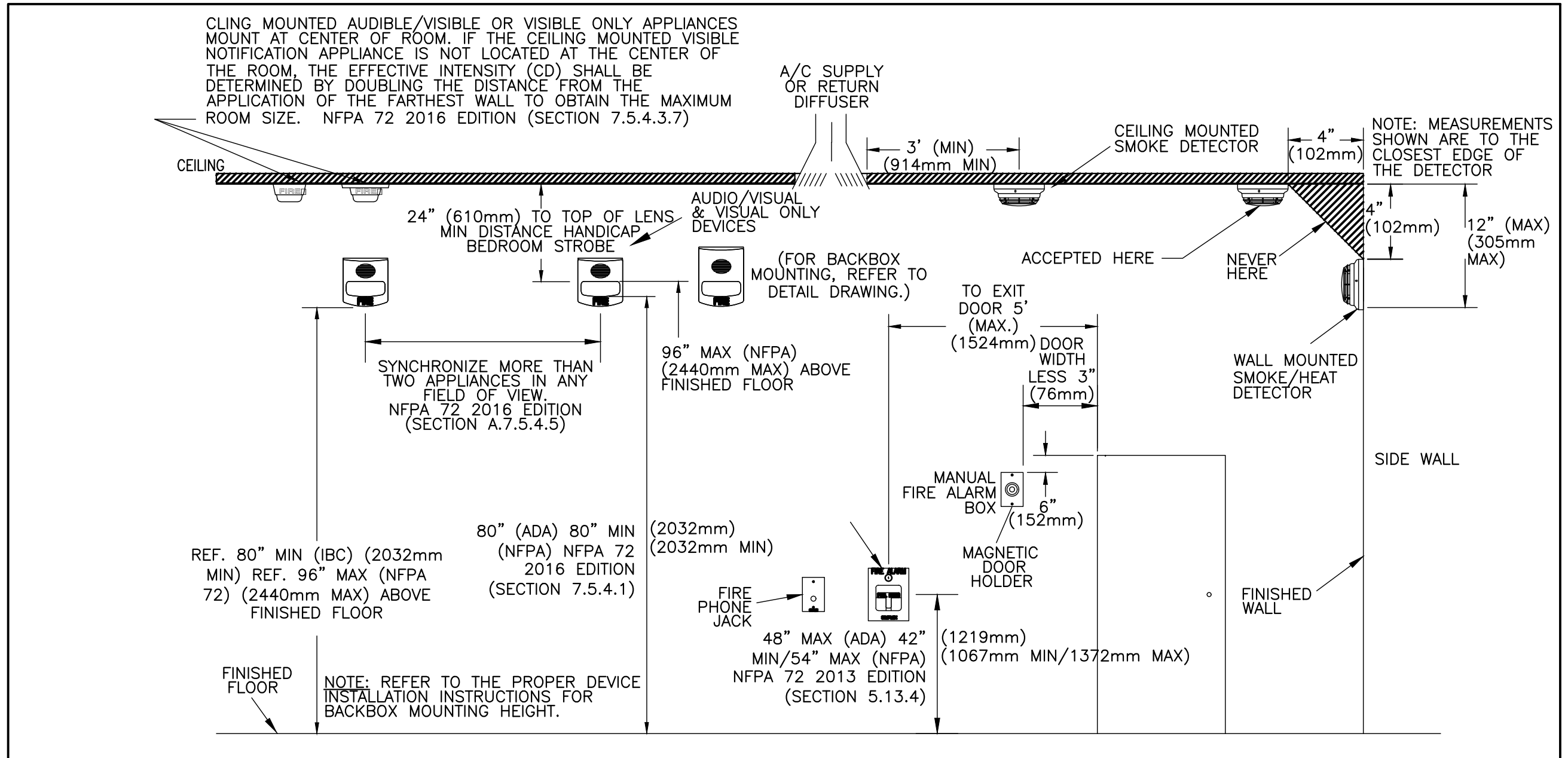
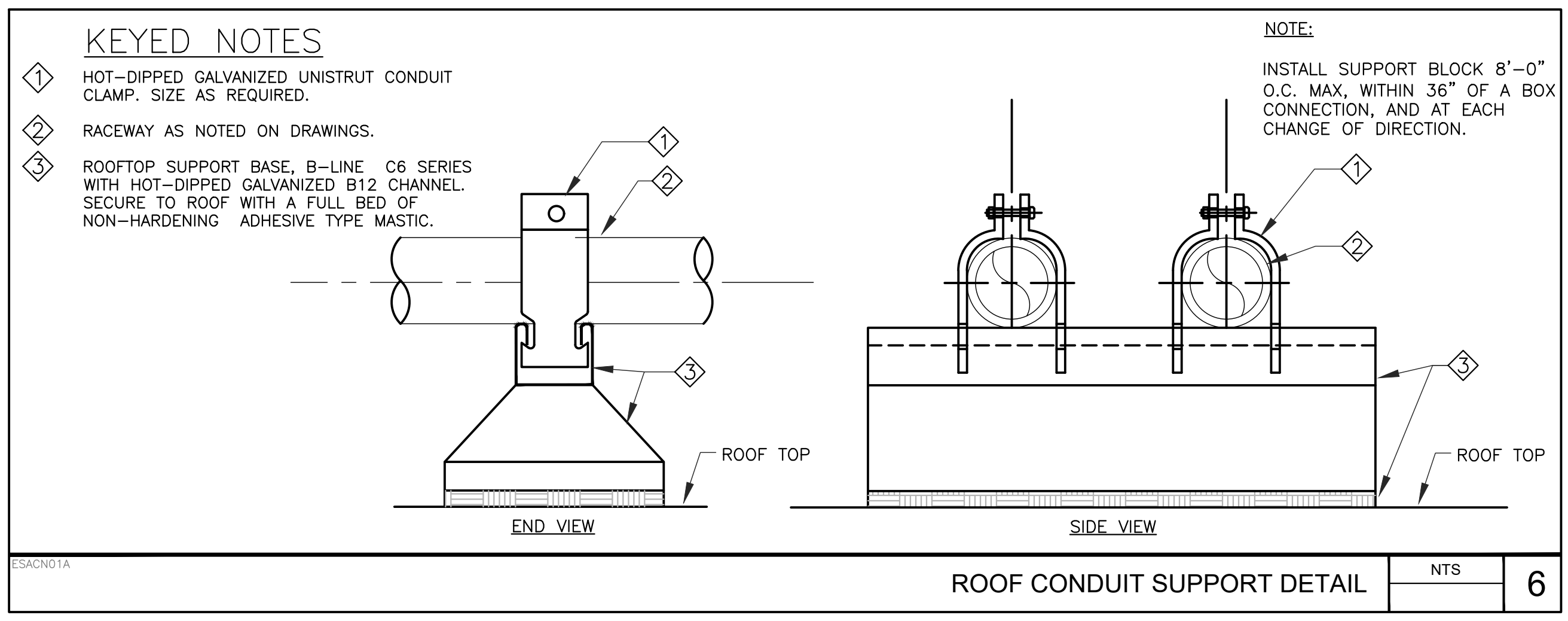
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LODI HIGH SCHOOL
CAMPUS WIDE FIRE ALARM UPGRADE



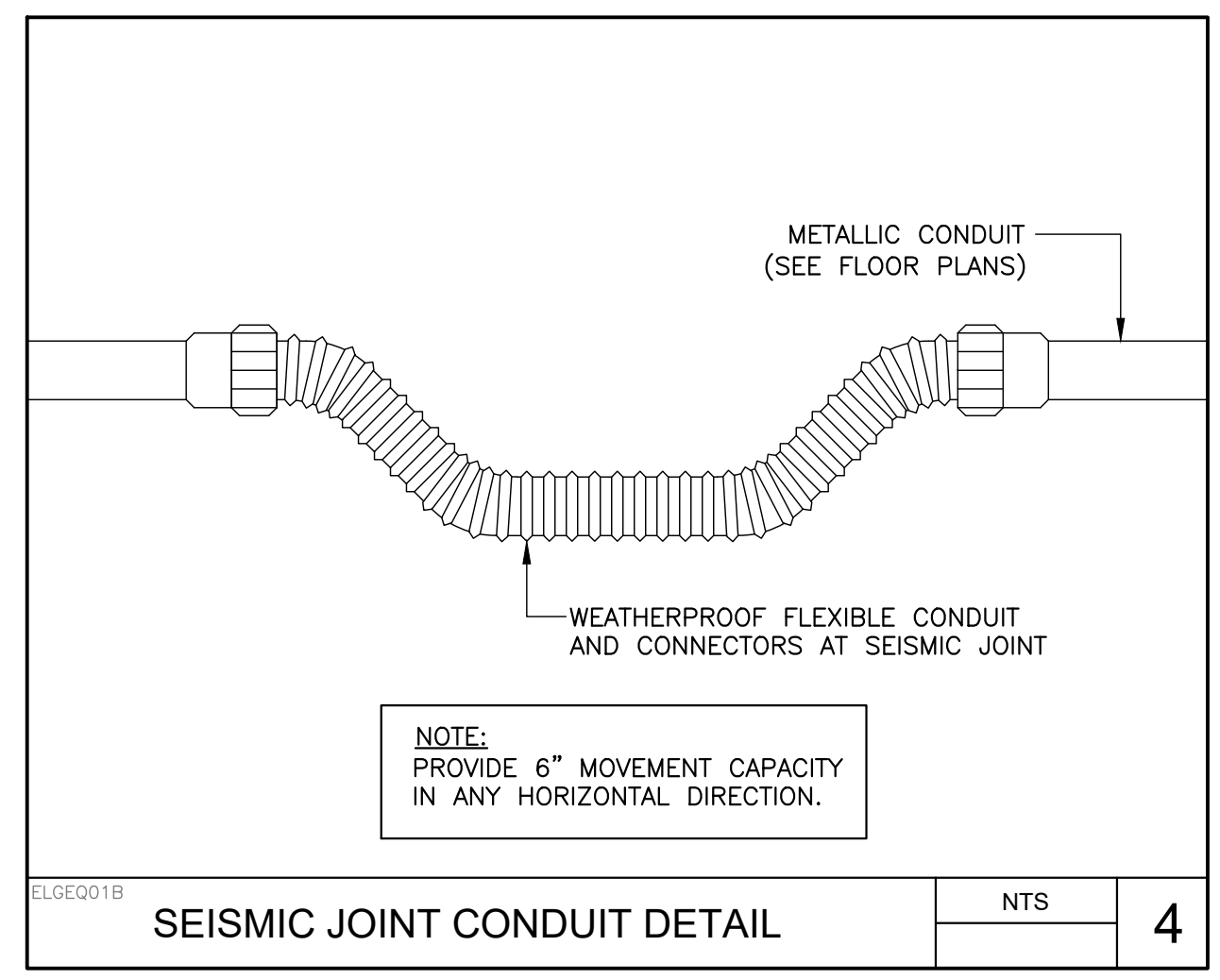
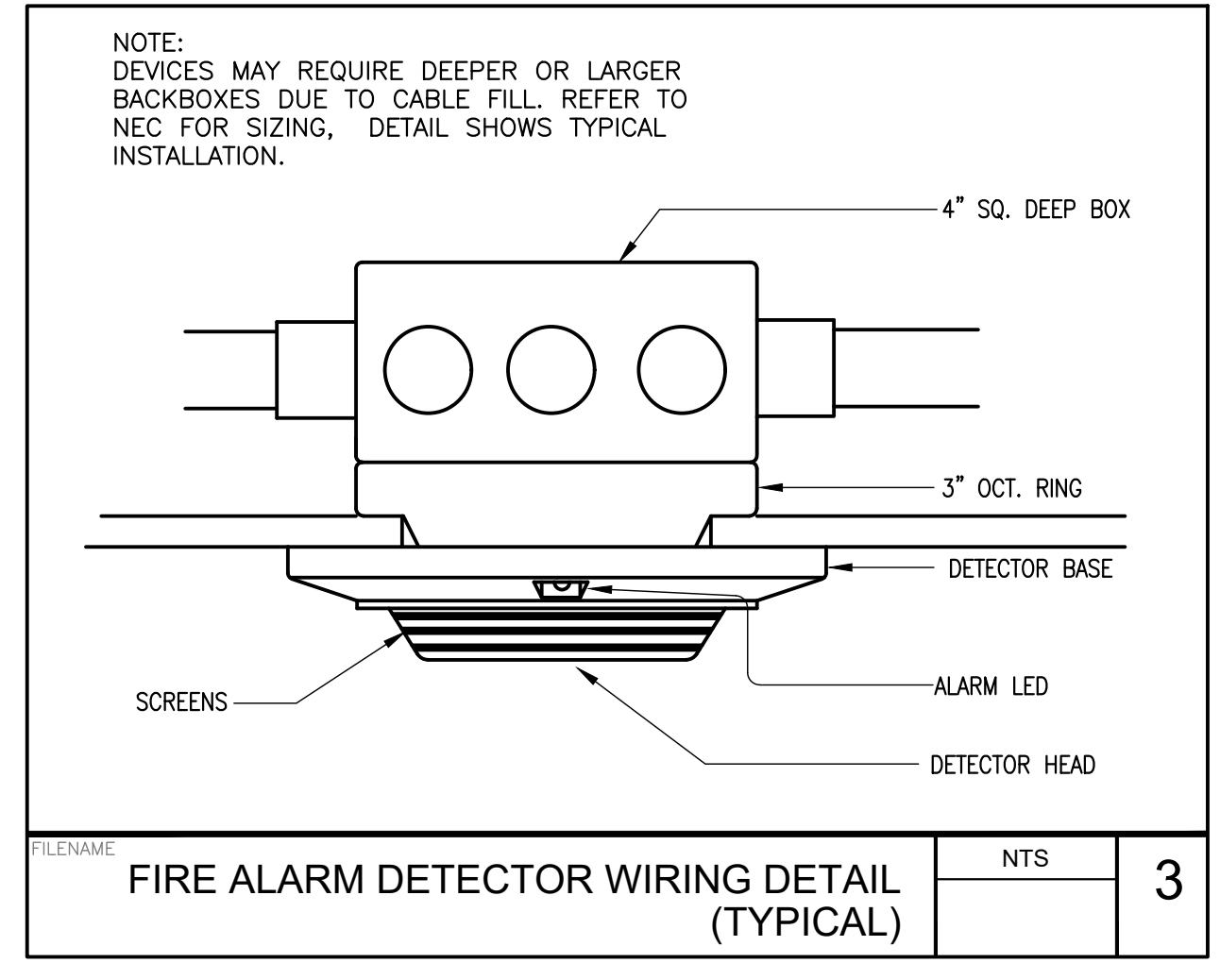
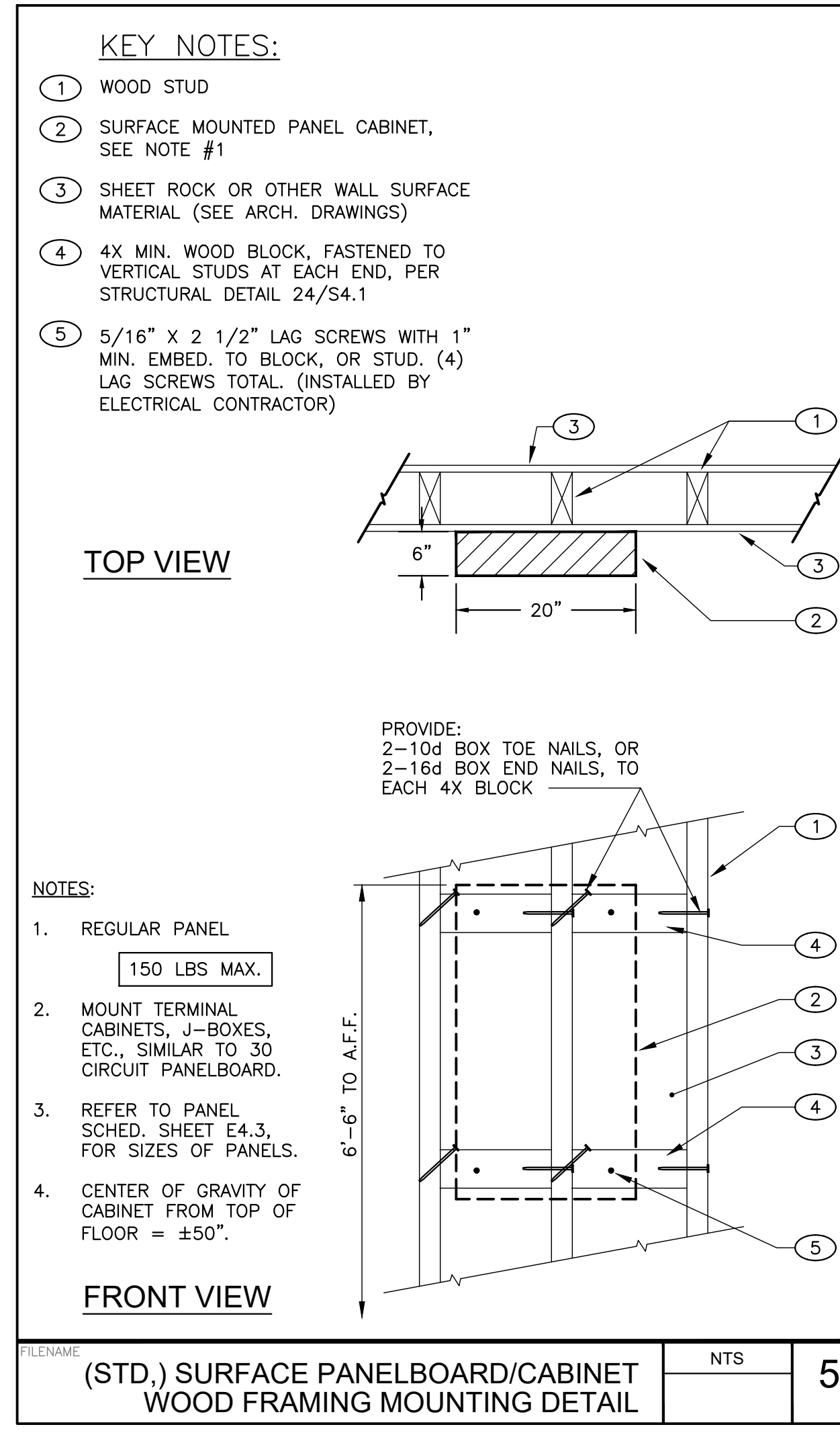
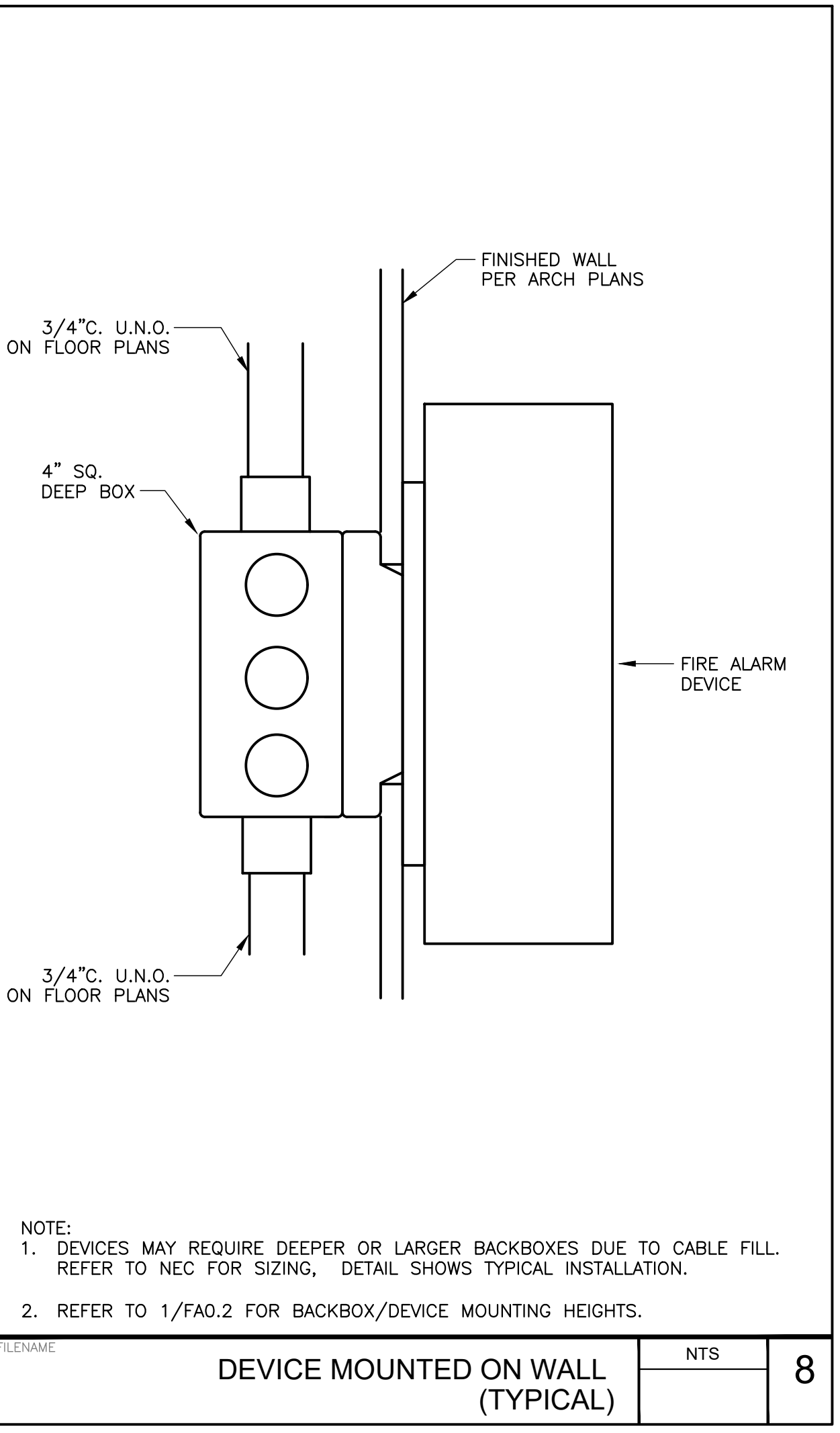
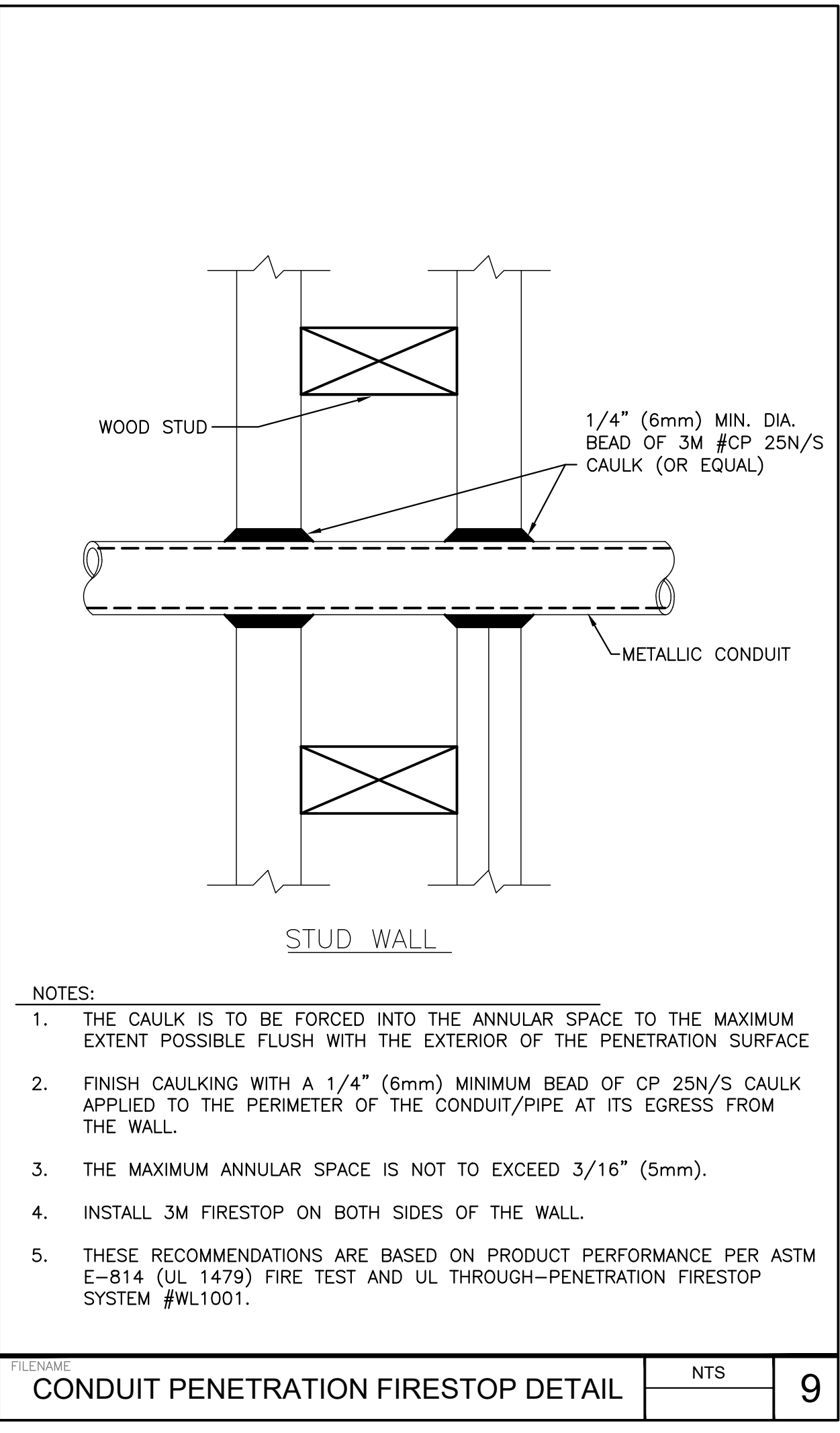
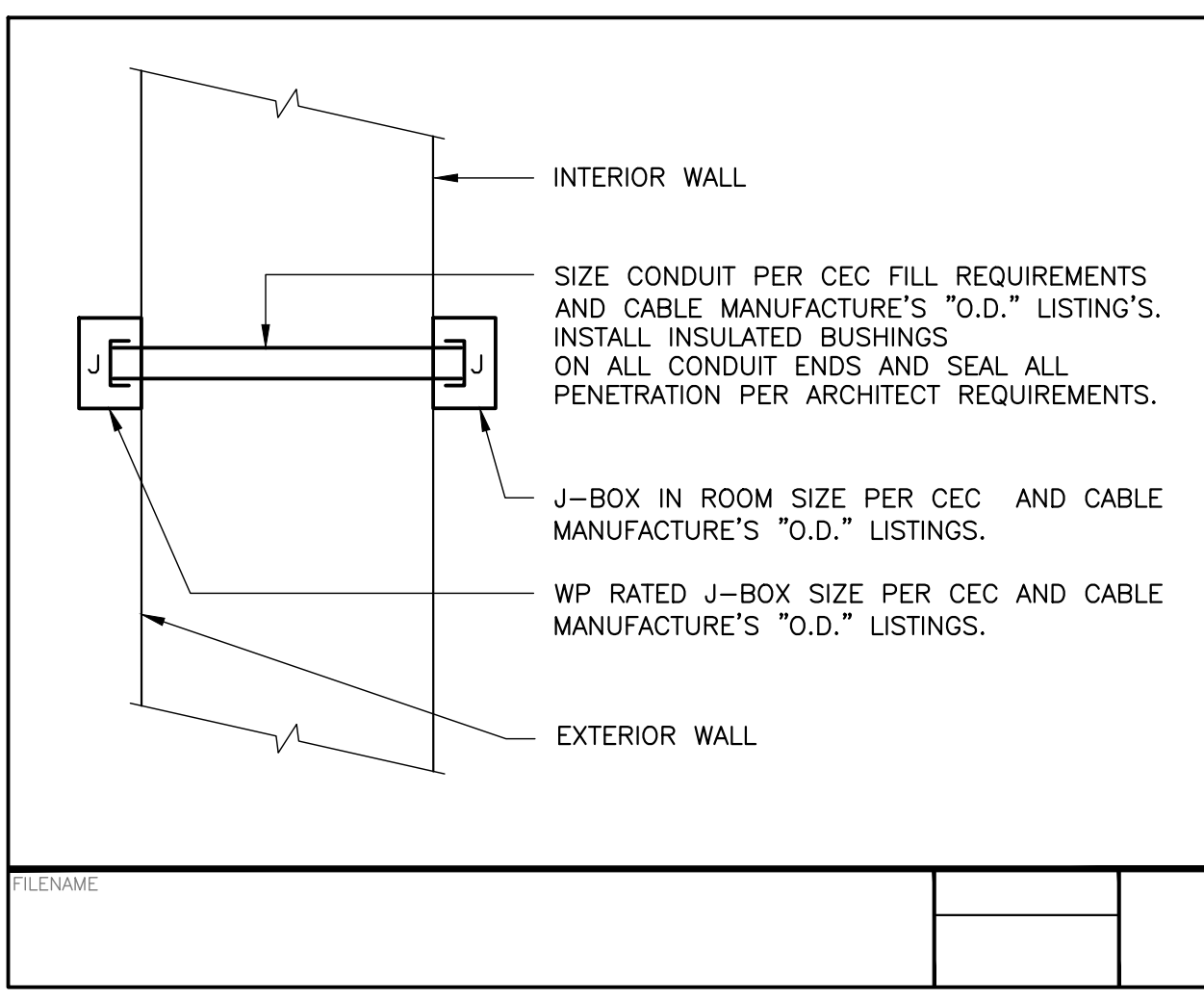
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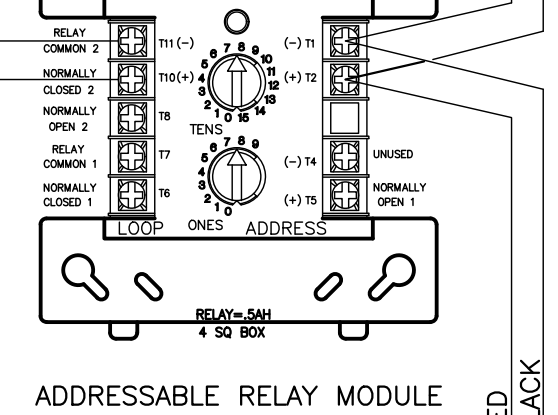
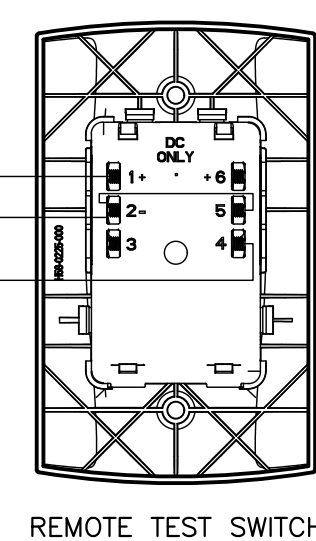
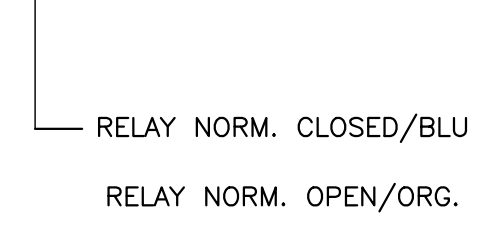
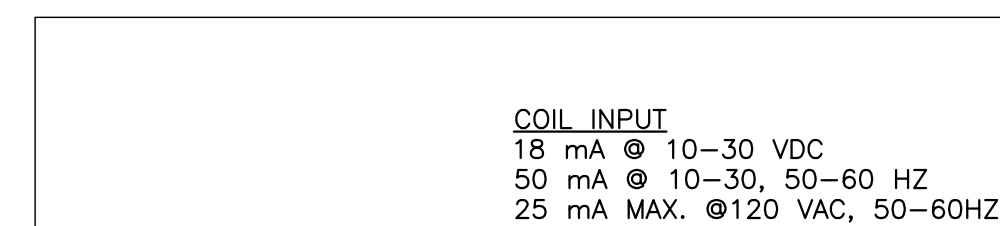
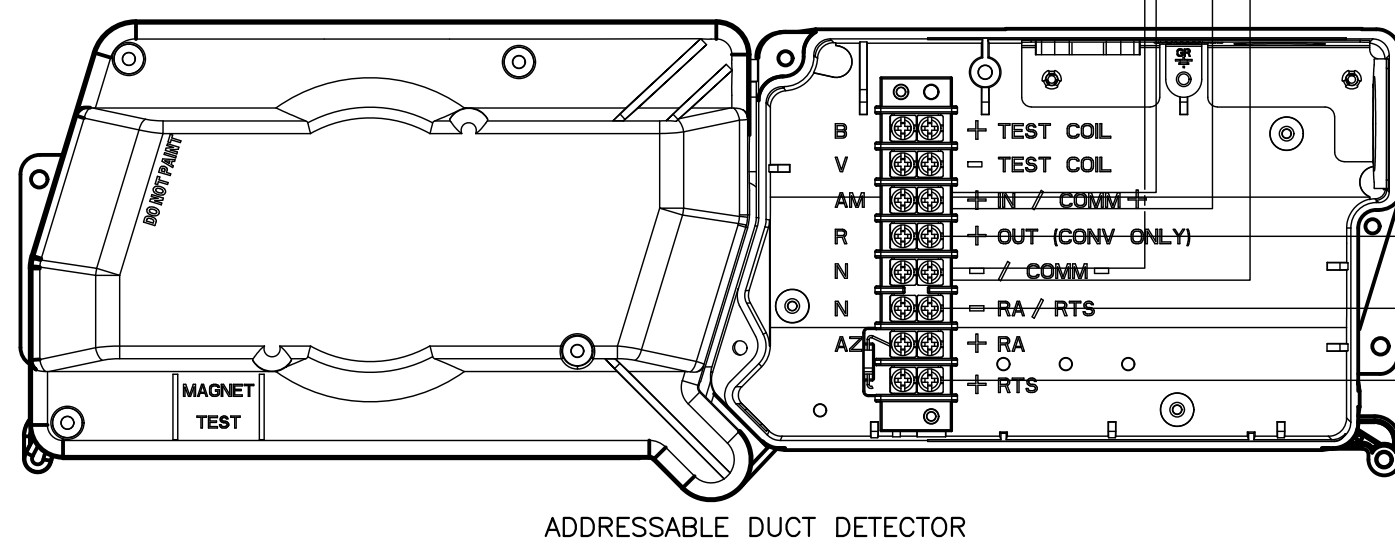
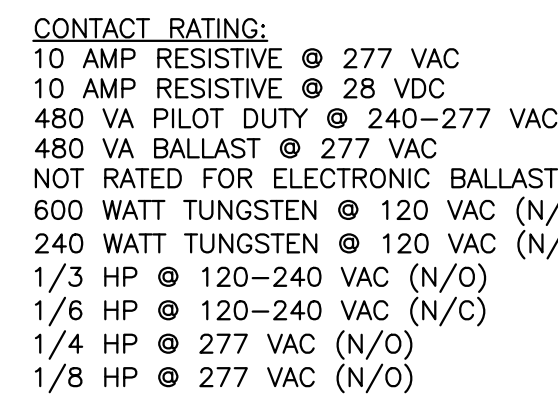
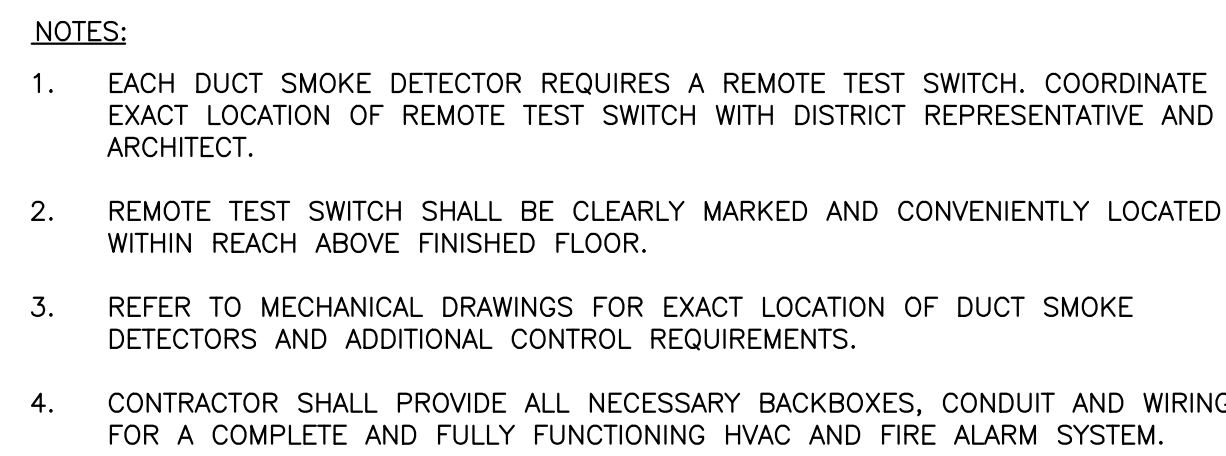
CONSTRUCTION DOCUMENTS
FIRE ALARM
DETAILS



System Inputs		A	B	C	D	E	F	J	K	M	O	Q	R	S	T	R	W	Z	BB
2	MANUAL FIRE ALARM BOXES	•	•					•	•	•	•	•	•	•	•	•	•	•	•
6	SMOKE DETECTORS	•	•					•	•	•	•	•	•	•	•	•	•	•	•
10	MULTI-CRITERIA DETECTORS	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•
14	CO DETECTORS	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•
18A	SMOKE DETECTOR IN MACHINE ROOM	•	•					•	•	•	•	•	•	•	•	•	•	•	•
18B	HEAT DETECTOR IN MACHINE ROOM	•	•					•	•	•	•	•	•	•	•	•	•	•	•
28	HEAT DETECTORS	•	•					•	•	•	•	•	•	•	•	•	•	•	•
32	WATERFLOW (FLOWSWITCH BY OTHERS)	•	•					•	•	•	•	•	•	•	•	•	•	•	•
36	SPRINKLER CONTROL VALVE (TAMPERSWITCH BY OTHERS)	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•
42	FIRE ALARM AC POWER FAILURE					•	•								•	•	•	•	•
43	FIRE ALARM SYSTEM LOW BATTERY					•	•								•	•	•	•	•
44	OPEN CIRCUIT					•	•								•	•	•	•	•
45	GROUND FAULT					•	•								•	•	•	•	•
46	NOTIFICATION APPLIANCE CIRCUIT SHORT					•	•								•	•	•	•	•
		A	B	C	D	E	F	J	K	M	O	Q	R	S	T	R	W	Z	BB

FIRE ALARM SEQUENCE OF EVENTS





TYPICAL FIRE ALARM MECHANICAL UNIT SHUTDOWN	NTS	4
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