

BUILDING CODE ANALYSIS				
BUILDING	CONSTRUCTION TYPE OCCUPANCY TYPE	AREA (SQ.FT.)	ALLOWABLE (SQ.FT.)	# OF STORIES
ACADEMIC BUILDING	III-1HR / E, A-3, & B	41,110	43,500	1
THE BARN	V-B / E	13,020	9,500 + (9,500X.75) = 16,625	1
THE UNION	V-B / E	12,820	9,500 + (9,000X.75) = 16,625	1
RELO 1	V-B / E	1,440	9,500	1
PV CANOPIES	II-A / U	14,440	19,000	1
YOUTH CENTER	II-A / A2	20,275	62,000	1

I = [F/P - 0.25] W/30
 PER CBC 908.3.3 EQUATION 5-5
 I = [1 - 0.25] 30/30
 I = .75 AREA INCREASE
 I = [1 - 0.25] 30/30
 I = .75 AREA INCREASE

PROJECT SUMMARY
 CAMPUS WIDE FIRE ALARM REPLACEMENT.

SITE PLAN - FIRE LIFE SAFETY NOTES

- 1. EXISTING FIRE HYDRANT.



810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.
 To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply. Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for Buildings.

PROJECT INFORMATION			
School District/Owner: <u>Berryessa Union School District</u>			
Project Name/School: <u>Morrill Middle School Fire Alarm Upgrade</u>			
Project Address: <u>1970 Morrill Avenue, San Jose, CA 95132</u>			
FIRE & LIFE SAFETY INFORMATION			
1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Refer to the following website for FHSZ locations: http://egls.fire.ca.gov/FHSZ/	Moderate <input type="checkbox"/>	High <input type="checkbox"/>	Very High <input type="checkbox"/>
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)			WIFA <input type="checkbox"/>

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 DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION	ALTERNATE ACCEPTED			
	Yes	No	N/A	N/R
4. Emergency vehicle access roadways do not meet CFC requirements.				<input checked="" type="checkbox"/>
4a. Acceptable Alternates: Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				<input checked="" type="checkbox"/>
5. Fire Hydrants: Number and spacing does not meet CFC requirements.				<input checked="" type="checkbox"/>
5a. Acceptable Alternates: Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				<input checked="" type="checkbox"/>
6. Fire Hydrants: Water flow and pressure are less than CFC minimum.				<input checked="" type="checkbox"/>
6a. Acceptable Alternates: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				<input checked="" type="checkbox"/>
7. Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.				<input checked="" type="checkbox"/>
7a. Acceptable Alternates: The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				<input checked="" type="checkbox"/>

School District Acceptance of Acceptable Design Alternates
 By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: _____ Title: _____
 Signature: _____ Date: _____

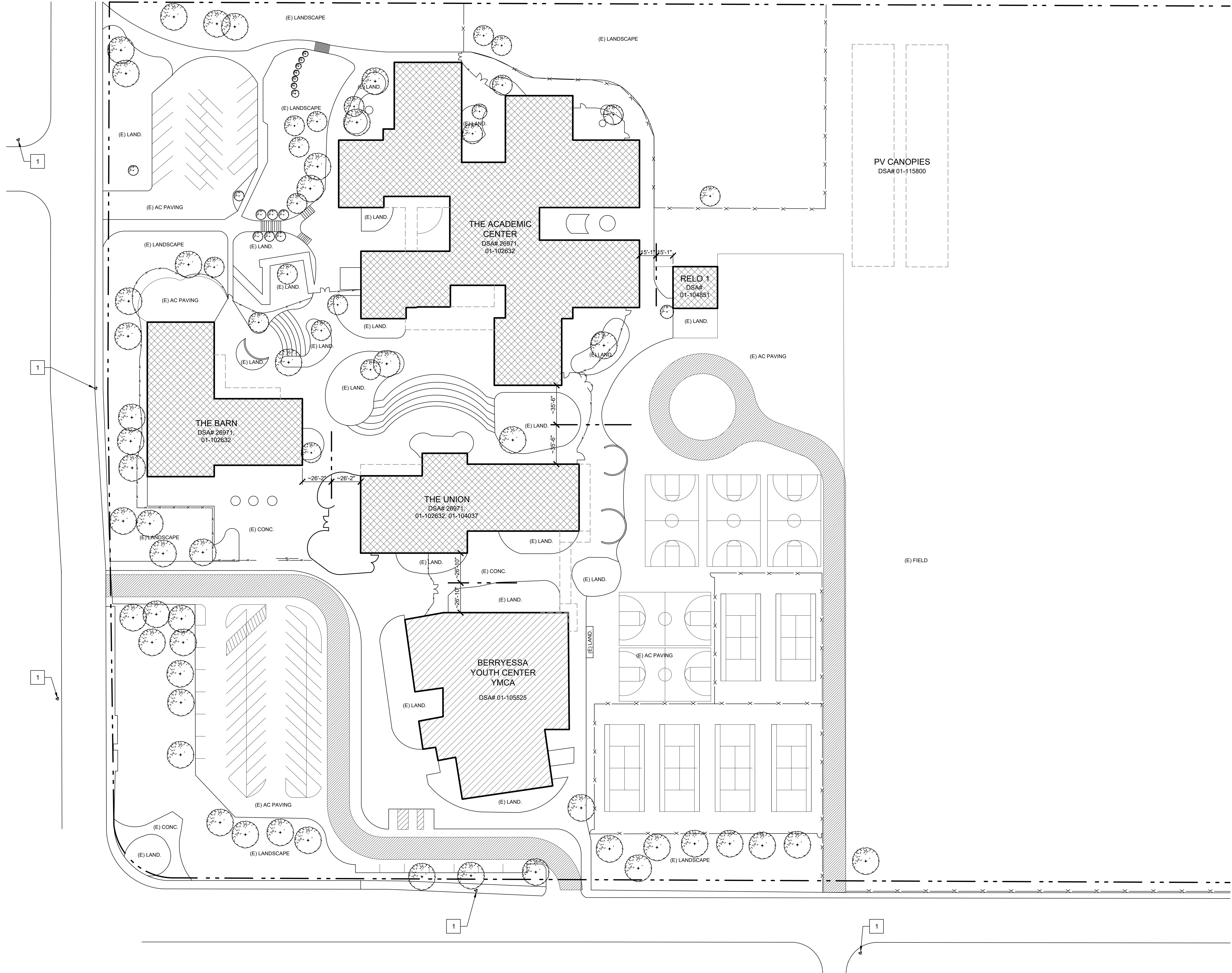
LOCAL FIRE AUTHORITY (LFA) INFORMATION	
LFA Agency Name:	_____
LFA Review Official:	_____
Title:	_____ Work Phone: _____
Work Email:	_____

LFA Reviewer's Signature: _____ Date: _____

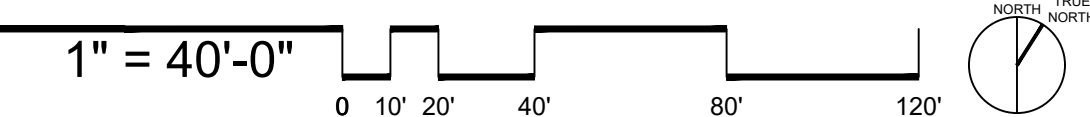
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GRAPHIC KEY

- EXISTING PROPERTY LINE
- - - ROOF OVERHANG
- - - CHAIN LINK FENCE
- ▨ EXISTING BUILDING (AREA OF WORK)
- ▨ EXISTING BUILDING (NOT IN SCOPE OF WORK)
- ▨ FIRE DEPARTMENT ACCESS.
- ▨ FIRE DEPARTMENT ACCESS IS 20' WIDE AND RATED FOR 90,000 LBS.
- ⊕ (E) FIRE HYDRANT



1 SITE PLAN - FIRE LIFE SAFETY



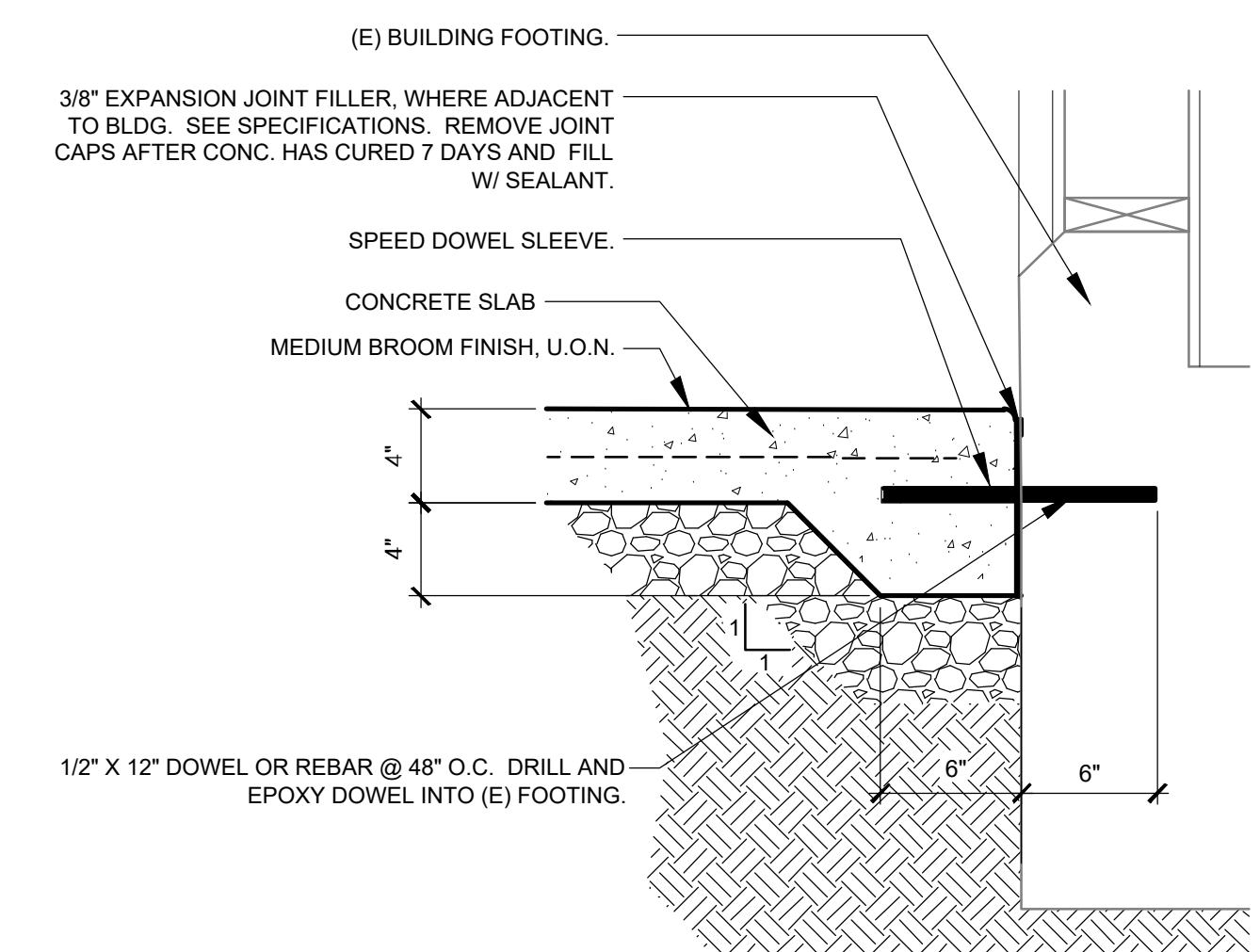
SITE PLAN
 FIRE LIFE SAFETY
 MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
 MORRILL MIDDLE SCHOOL
 1970 MORRILL AVENUE, SAN JOSE, CA 95132
 BERRYESSA UNION SCHOOL DISTRICT

REVISIONS NO.	ITEM	DATE

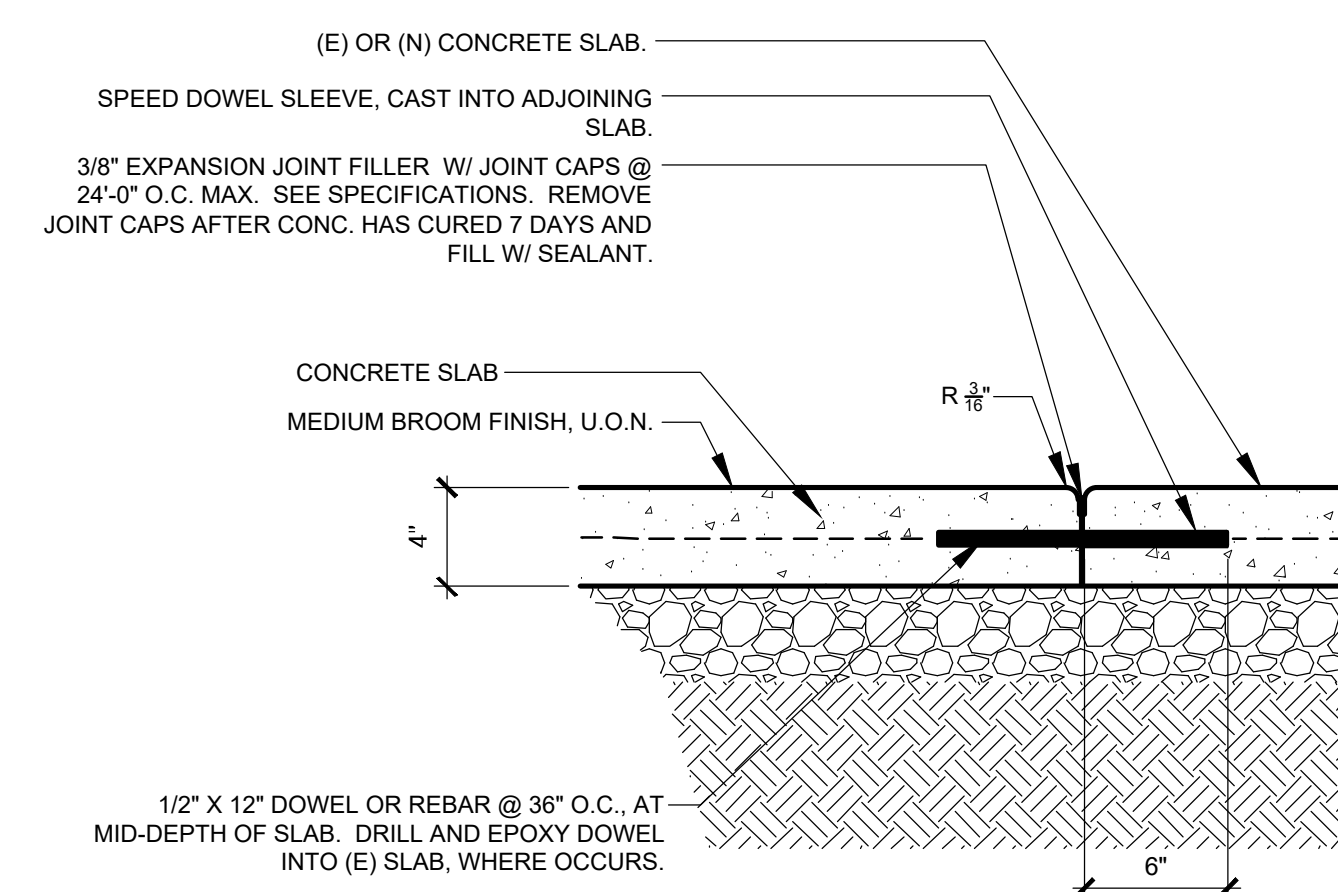
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 CHECKED BY: _____ MB
 SFA JOB NO: 21088 DATE: 03/07/2022

T3

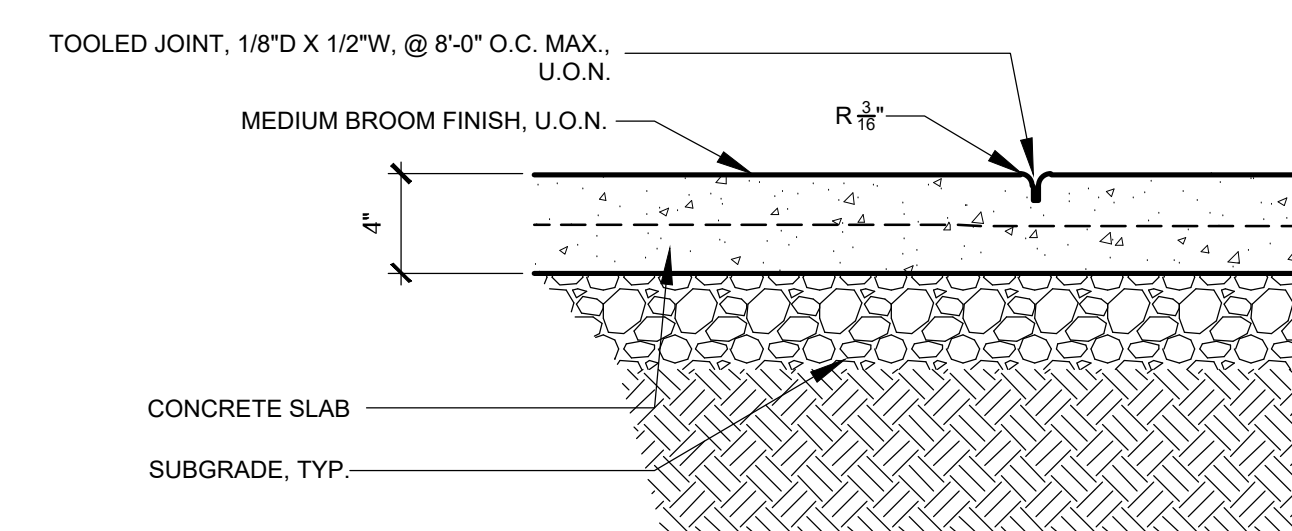
(DSA STAMP AREA)



JOINT AT BUILDING



EXPANSION JOINT



TOOLED JOINT

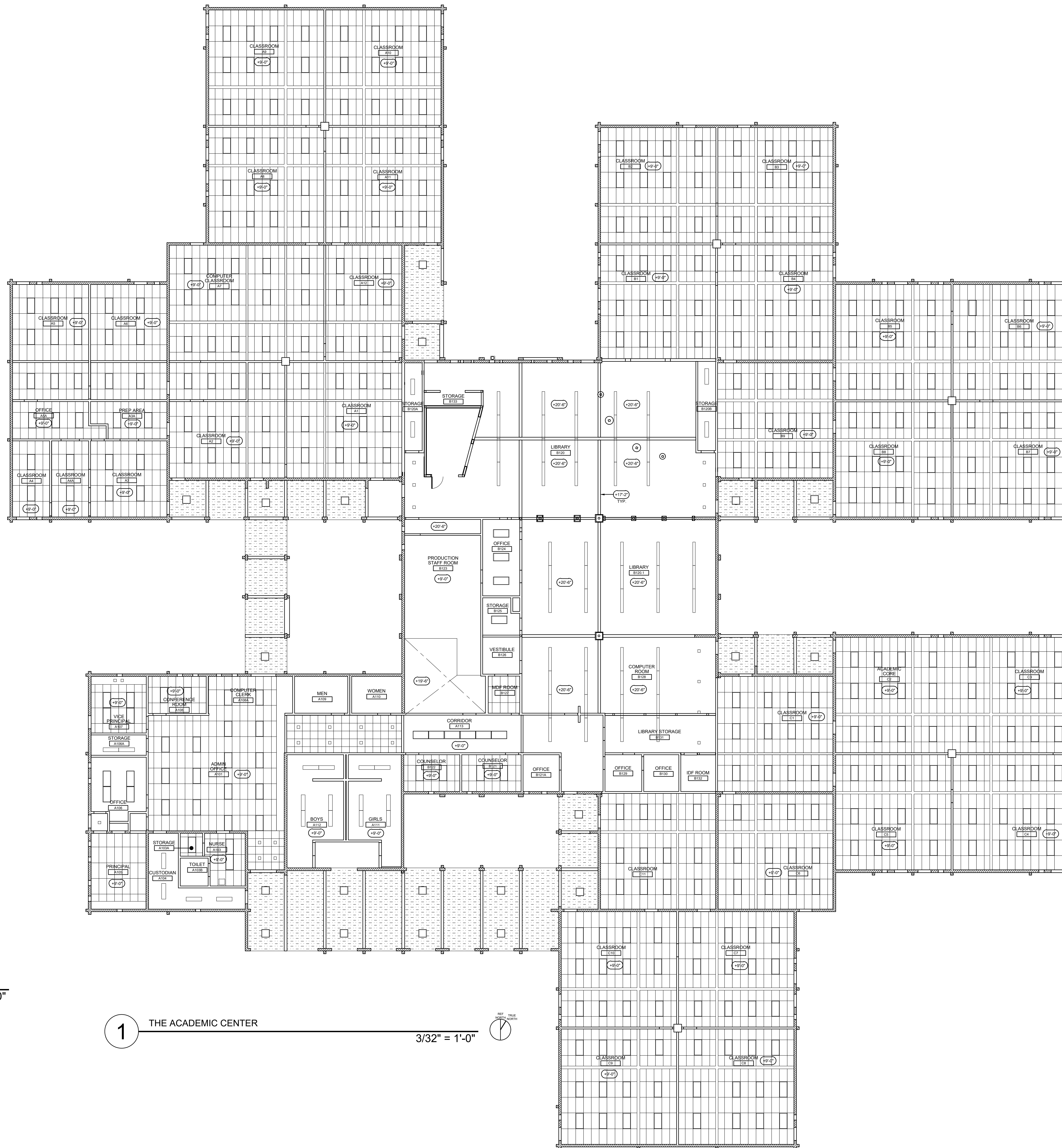
1 CONCRETE PAVING JOINT
PATCHBACK DETAIL 1-1/2"=1'-0"

TYPICAL SITE DETAILS
MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
MORRILL MIDDLE SCHOOL
1970 MORRILL AVENUE, SAN JOSE, CA 95132
BERRYESSA UNION SCHOOL DISTRICT

REVISIONS NO.	ITEM	DATE

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SFA JOB NO: 21068 DATE: 03/07/2022

A0.3



GENERAL NOTES

- SURFACE MOUNT RACEWAYS AT HARD LID CEILINGS AND PAINT.
- AT DROPPED CEILINGS, RACEWAYS TO RUN ABOVE CEILING GRID. SEE ELECTRICAL DRAWINGS FOR ATTACHMENT.
- USE PANDUIT AT LIBRARY FOR NEW FIRE ALARM. SEE ELECTRICAL/FIRE ALARM DRAWINGS.

(DSA STAMP AREA)

SUGIMURA
FINNEY
ARCHITECTS

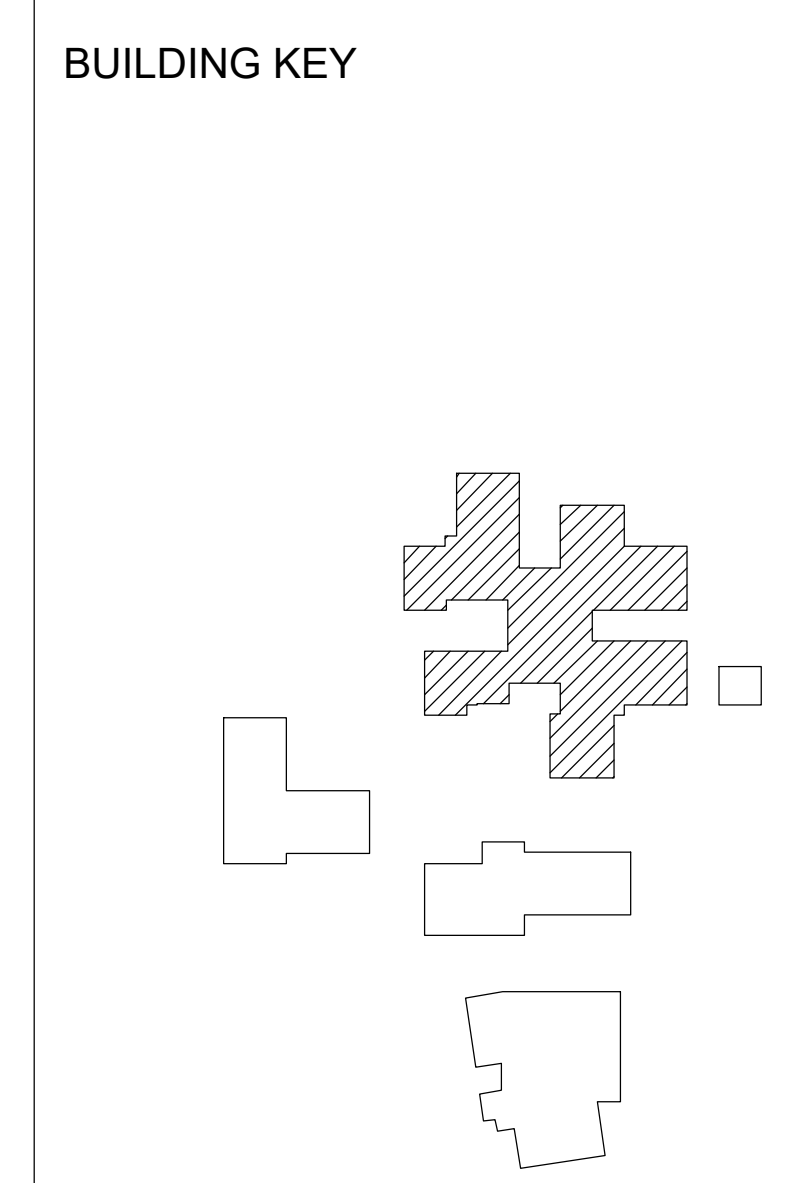
SFA

ARCHITECTURE INTERIORS PLANNING

2175 SOUTH BASCOM AVE.
SUITE 202
CAMPBELL, CA 95022
PHONE: 408.278.8022
FAX: 408.277.4066



- GRAPHIC KEY**
- (E) STUD WALL
 - (E) CMU WALL
 - (E) ACT GRID
 - EXISTING 2' X 4' LIGHT FIXTURE
 - EXISTING 2' X 2' LIGHT FIXTURE
 - EXISTING 1' X 4' LIGHT FIXTURE
 - EXISTING CEMENT PLASTER CEILING
 - EXISTING GYPSUM BOARD CEILING



2 THE ACADEMIC CENTER
SECOND FLOOR 3/32" = 1'-0"

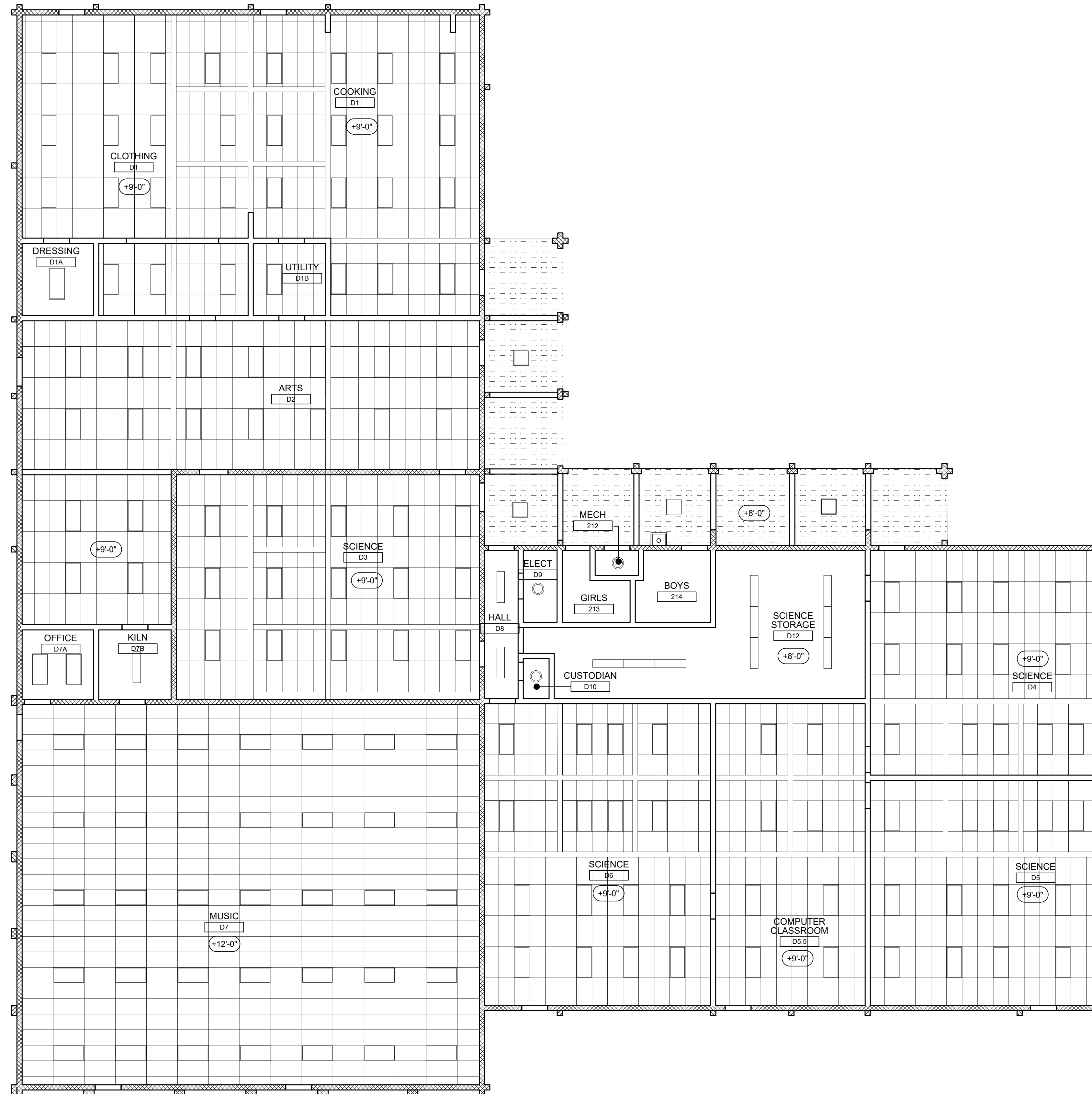
1 THE ACADEMIC CENTER 3/32" = 1'-0"

REFLECTED CEILING PLAN

MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
MORRILL MIDDLE SCHOOL
1970 MORRILL AVENUE, SAN JOSE, CA 95132
BERRYSSA UNION SCHOOL DISTRICT

REVISIONS NO.	ITEM	DATE

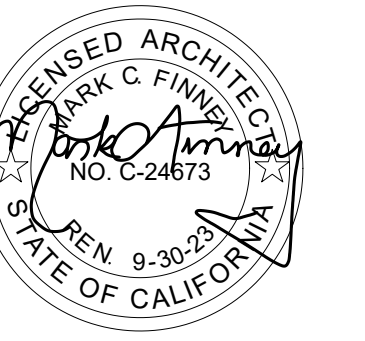
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CHECKED BY: MB
SFA JOB NO: 21068 DATE: 03/07/2022



GENERAL NOTES

- A. SURFACE MOUNT RACEWAYS AT HARD LID CEILINGS AND PAINT.
- B. AT DROPPED CEILINGS, RACEWAYS TO RUN ABOVE CEILING GRID. SEE ELECTRICAL DRAWINGS FOR ATTACHMENT.

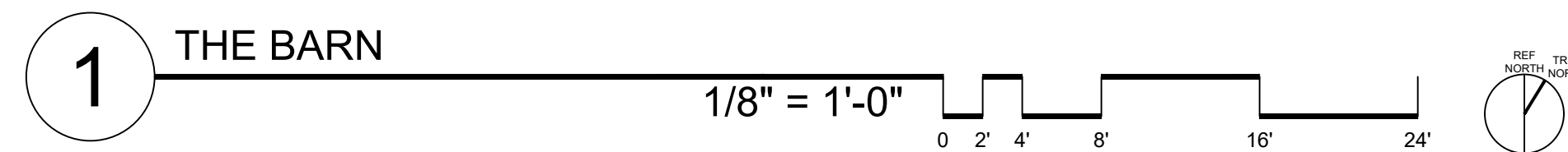
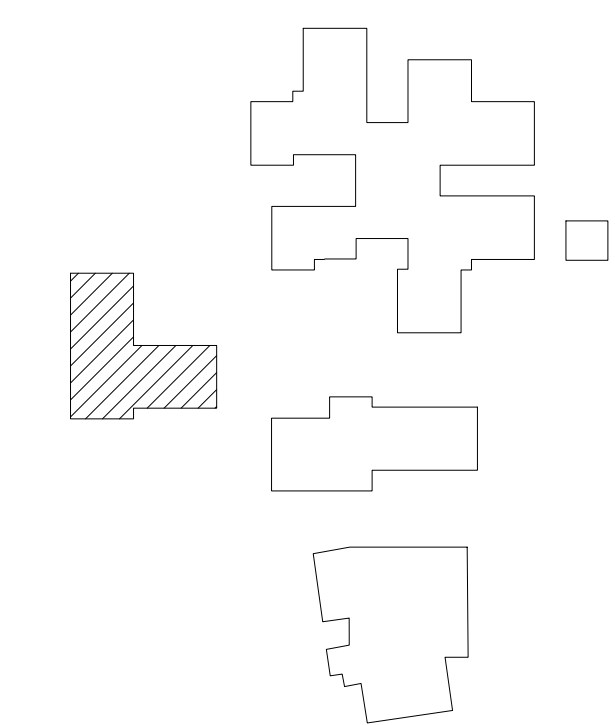
(DSA STAMP AREA)



GRAPHIC KEY

- (E) STUD WALL
- (E) CMU WALL
- (E) ACT GRID
- EXISTING 2' X 4' LIGHT FIXTURE
- EXISTING 2' X 2' LIGHT FIXTURE
- EXISTING 1' X 4' LIGHT FIXTURE
- EXISTING CEMENT PLASTER CEILING
- EXISTING GYPSUM BOARD CEILING

BUILDING KEY



REFLECTED CEILING PLAN

MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
 MORRILL MIDDLE SCHOOL
 1970 MORRILL AVENUE, SAN JOSE, CA 95132
 BERRYESSA UNION SCHOOL DISTRICT

REVISIONS NO.	ITEM	DATE

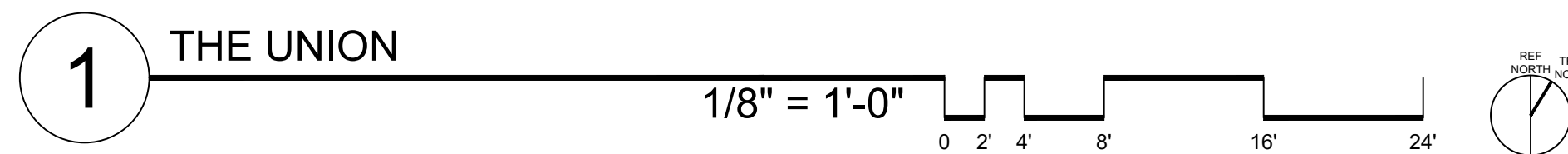
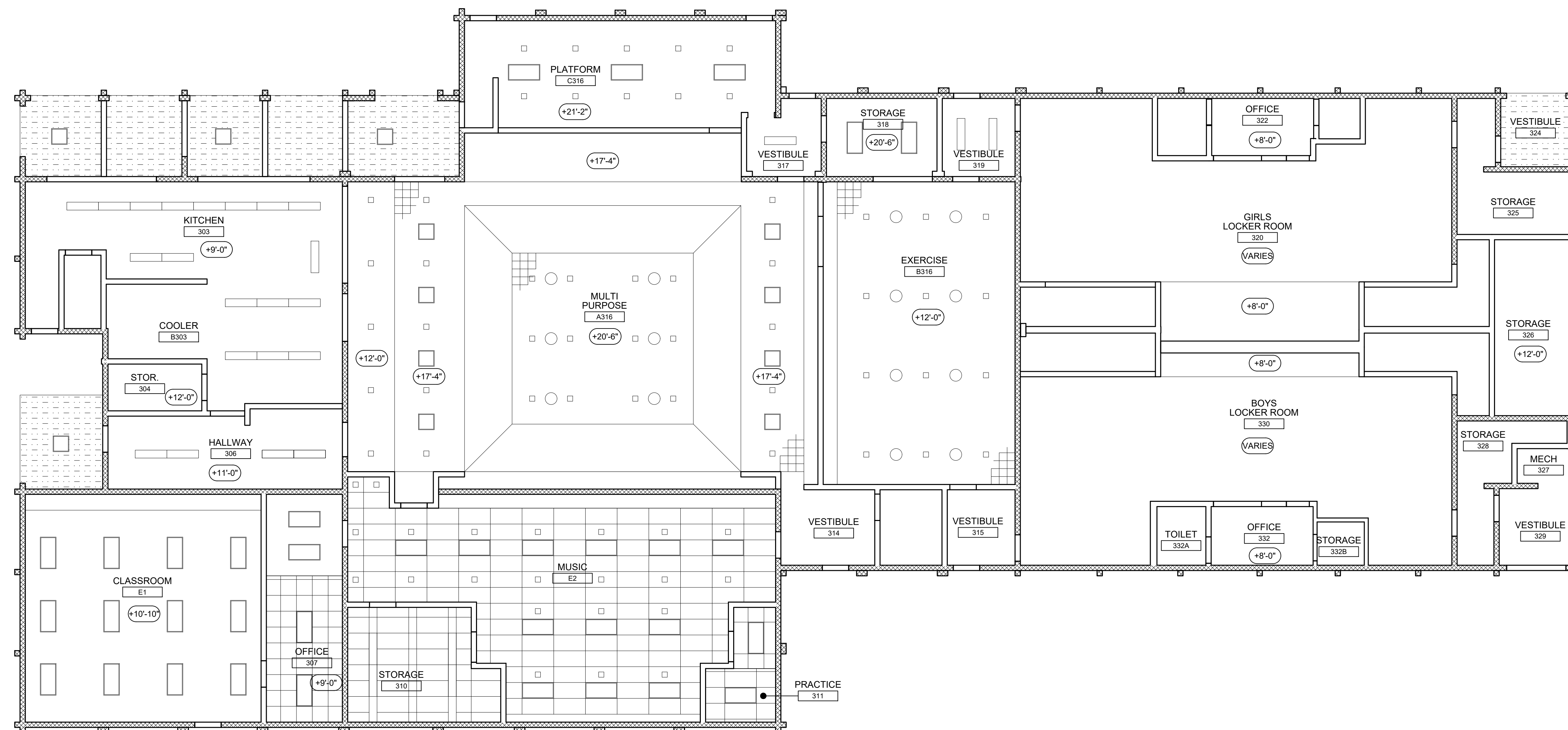
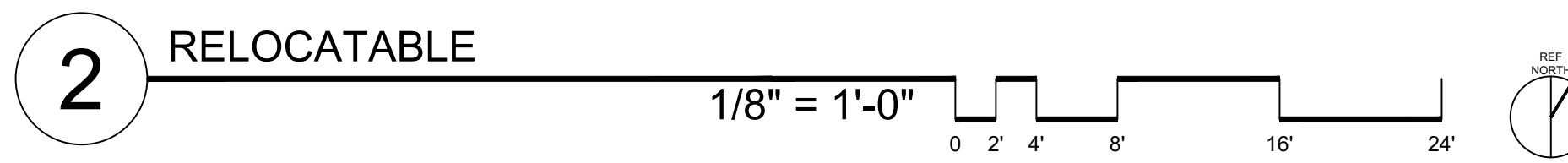
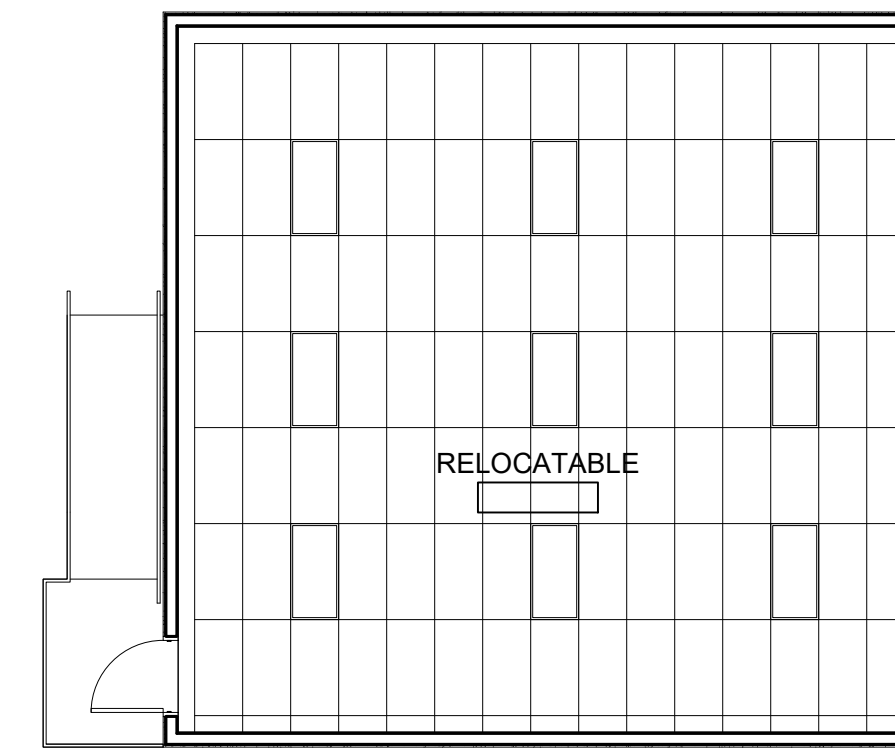
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A3.2

GENERAL NOTES

- A. SURFACE MOUNT RACEWAYS AT HARD LID CEILINGS AND PAINT.
- B. AT DROPPED CEILINGS, RACEWAYS TO RUN ABOVE CEILING GRID. SEE ELECTRICAL DRAWINGS FOR ATTACHMENT.
- C. AT MULTI-PURPOSE ROOM USE CONDUIT FOR NEW FIRE ALARM AND PAINT. SEE ELECTRICAL / FIRE ALARM DRAWINGS.

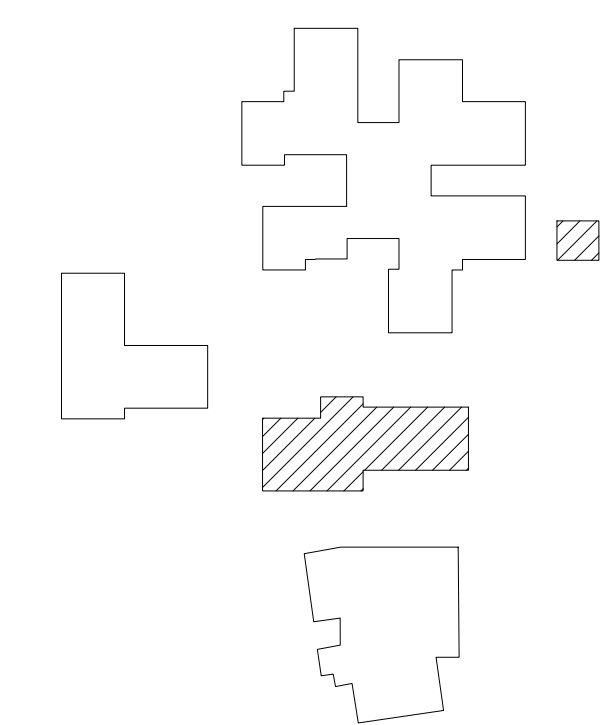
(DSA STAMP AREA)



GRAPHIC KEY

- (E) STUD WALL
- (E) CMU WALL
- (E) ACT GRID
- EXISTING 2' X 4' LIGHT FIXTURE
- EXISTING 2' X 2' LIGHT FIXTURE
- EXISTING 1' X 4' LIGHT FIXTURE
- EXISTING CEMENT PLASTER CEILING
- EXISTING GYPSUM BOARD CEILING
- EXISTING GLUED UP ACOUSTIC PANELS

BUILDING KEY



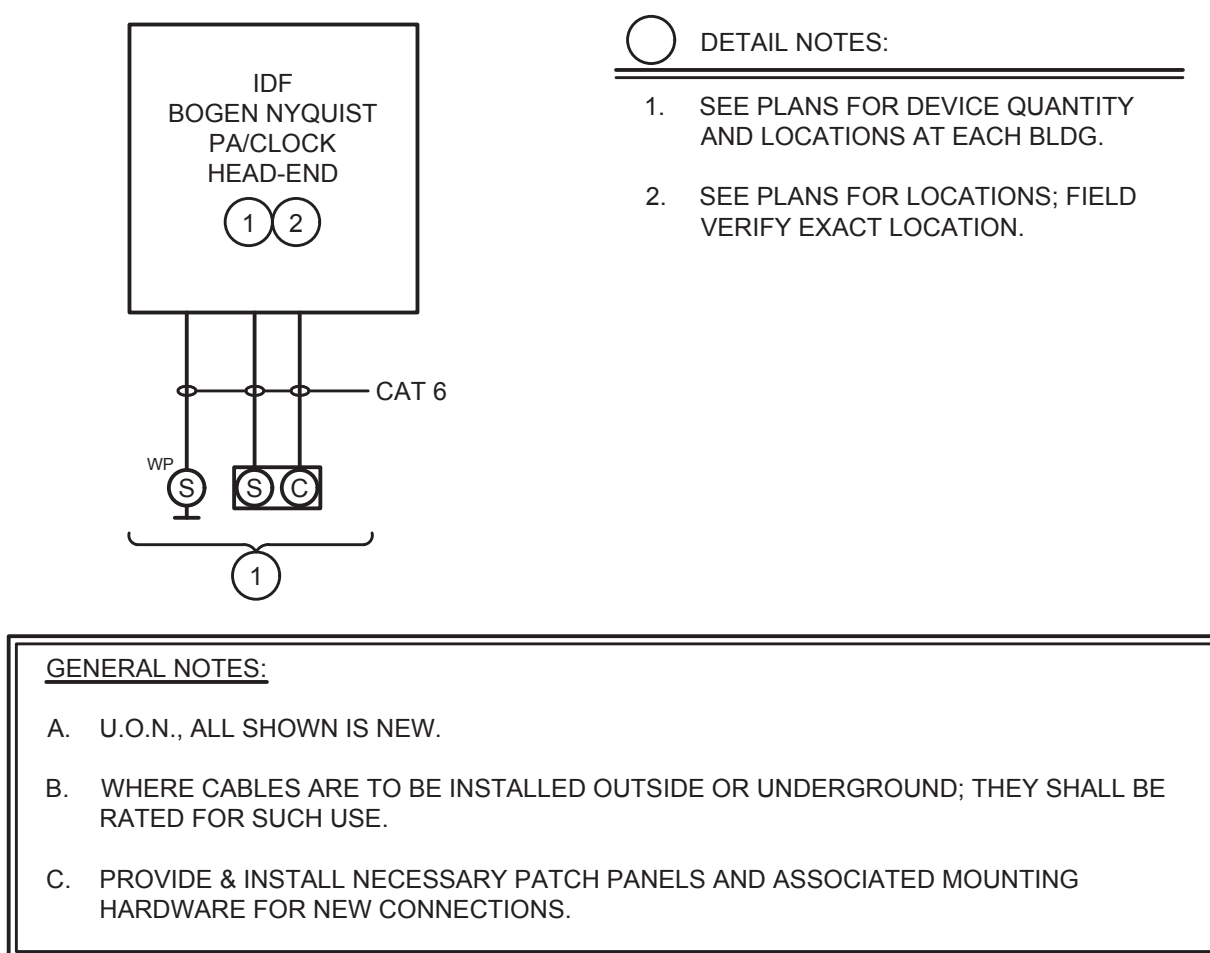
REFLECTED CEILING PLANS

MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
MORRILL MIDDLE SCHOOL
1970 MORRILL AVENUE, SAN JOSE, CA 95132
BERRYESSA UNION SCHOOL DISTRICT

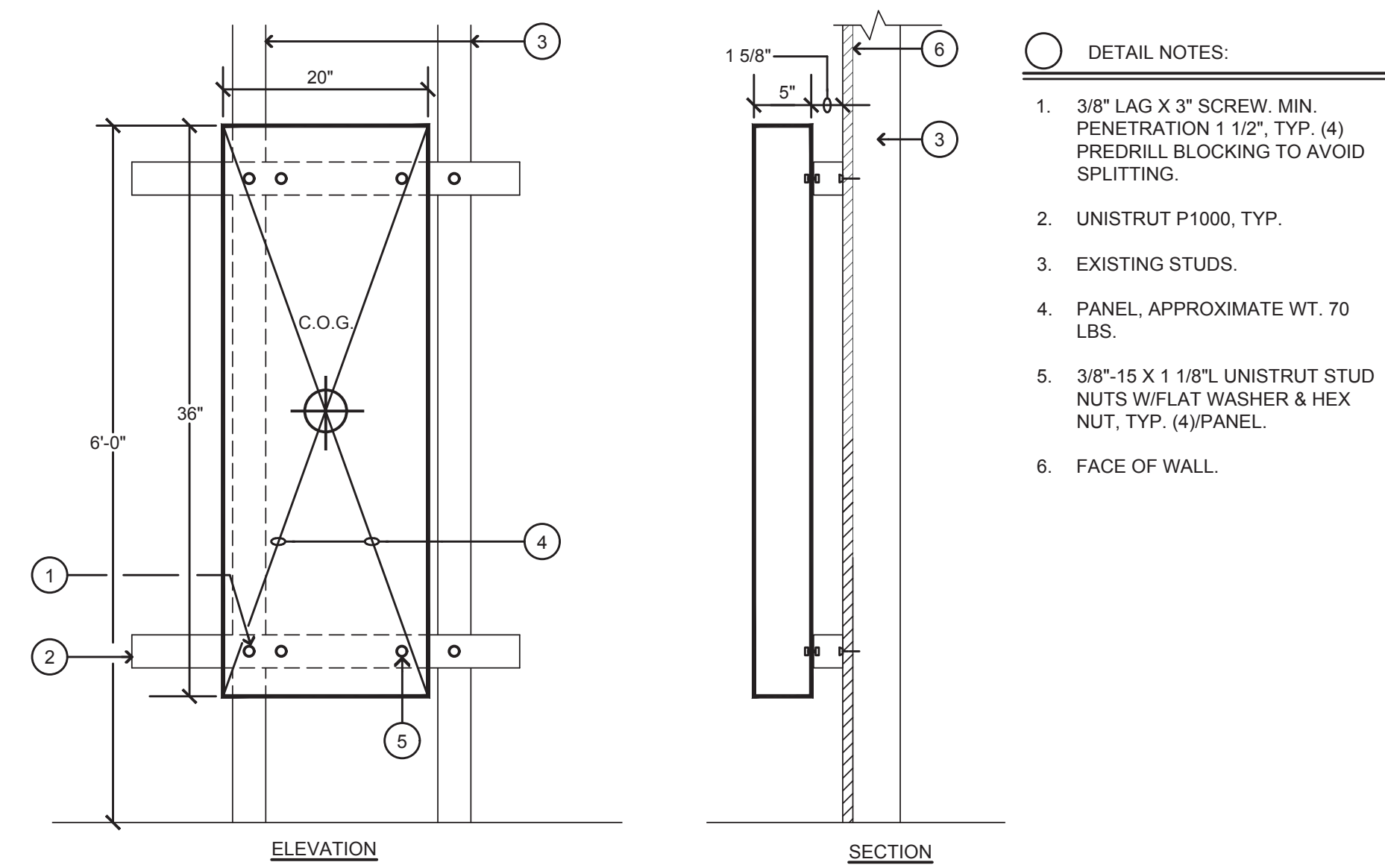
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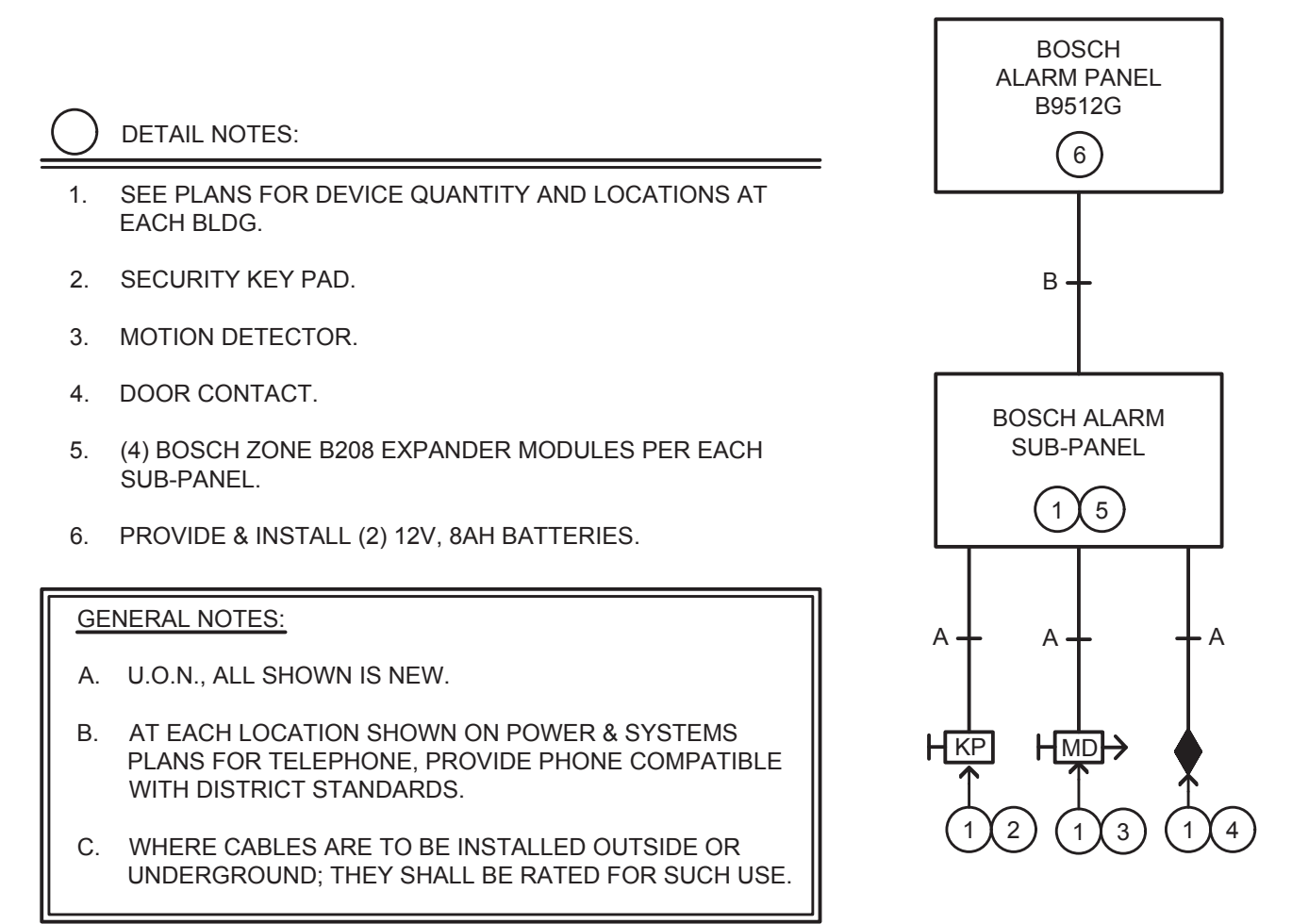
A3.3



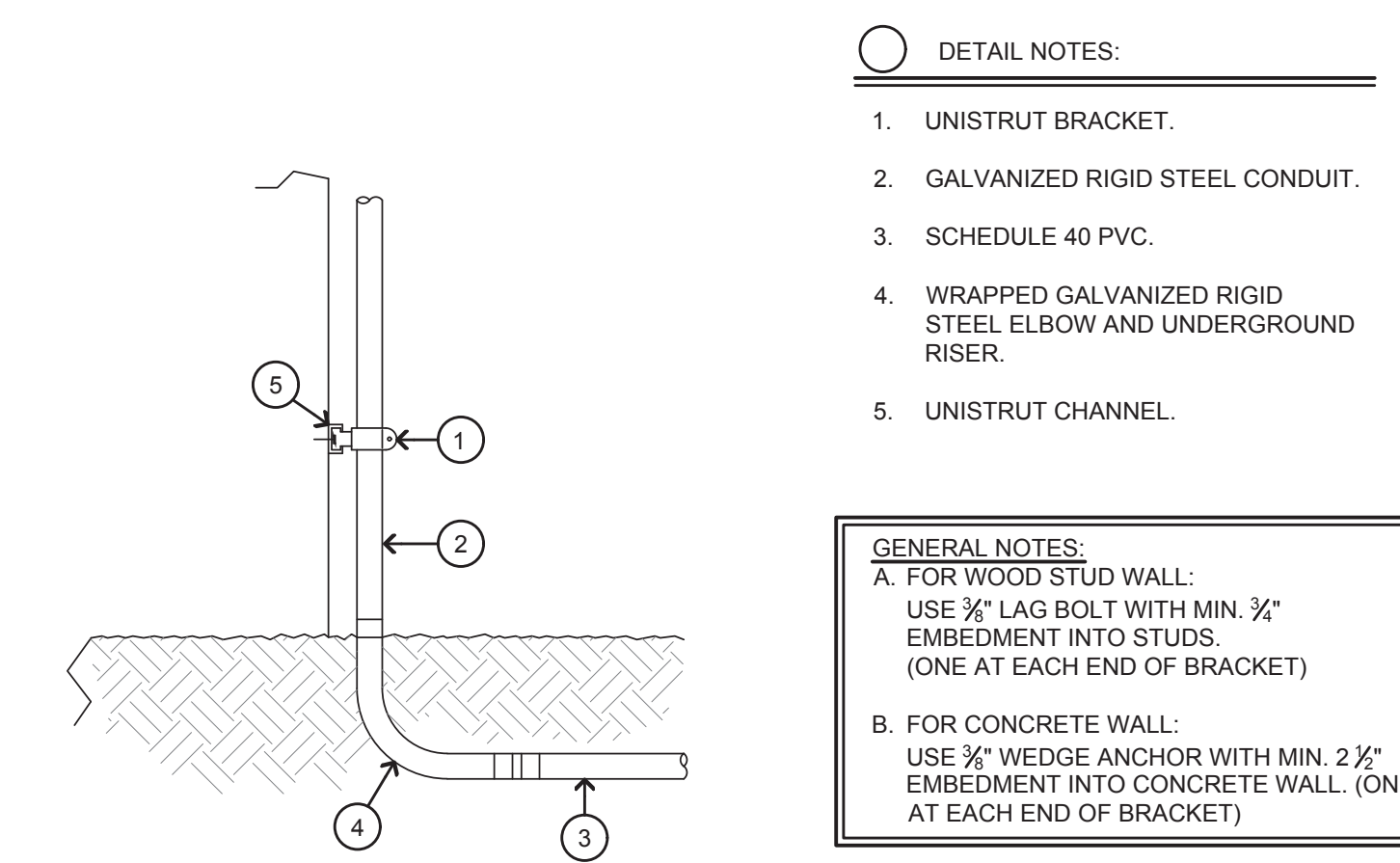
7 PA/CLOCK SYSTEM RISER DIAGRAM
NO SCALE



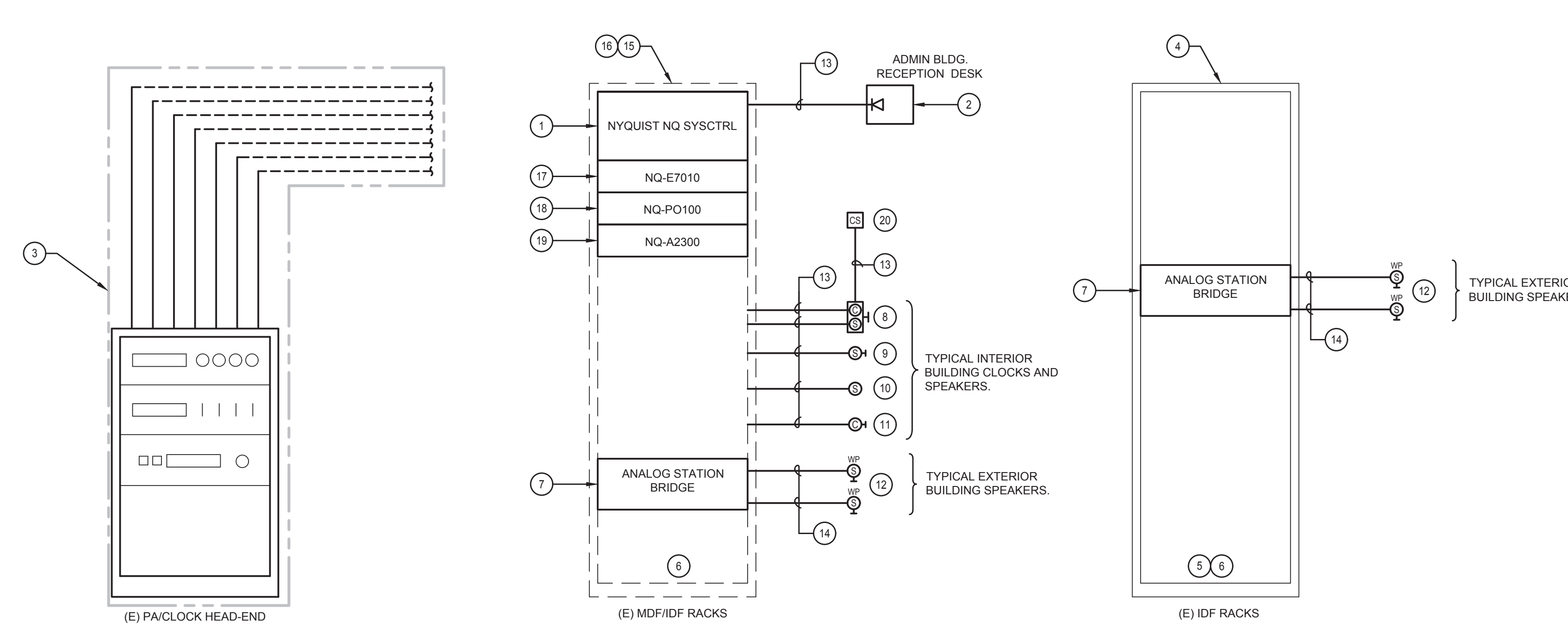
6 SURFACE MTD PANEL DETAIL - EXISTING WALL
NO SCALE



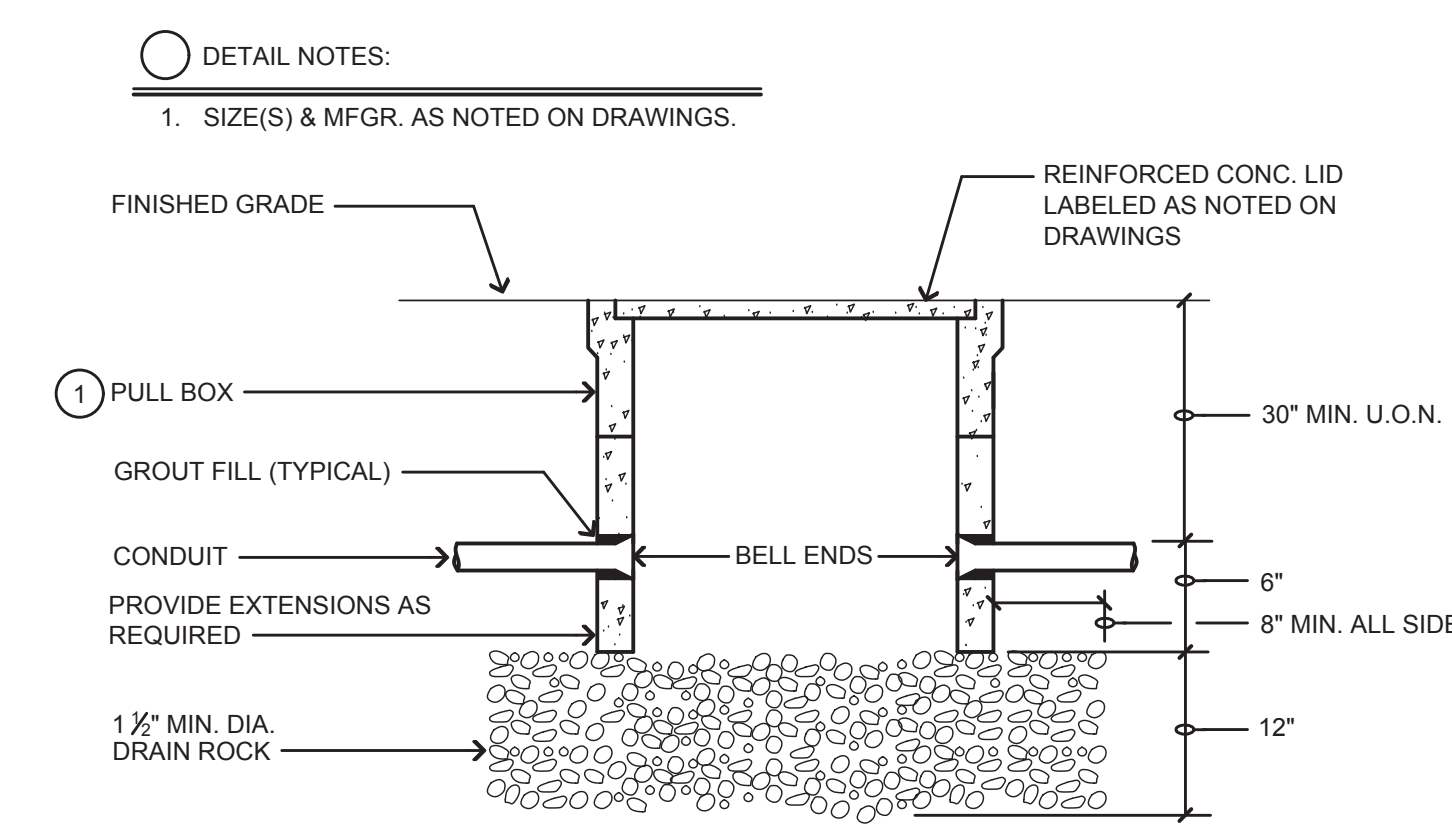
4 INTRUSION ALARM RISER DIAGRAM
NO SCALE



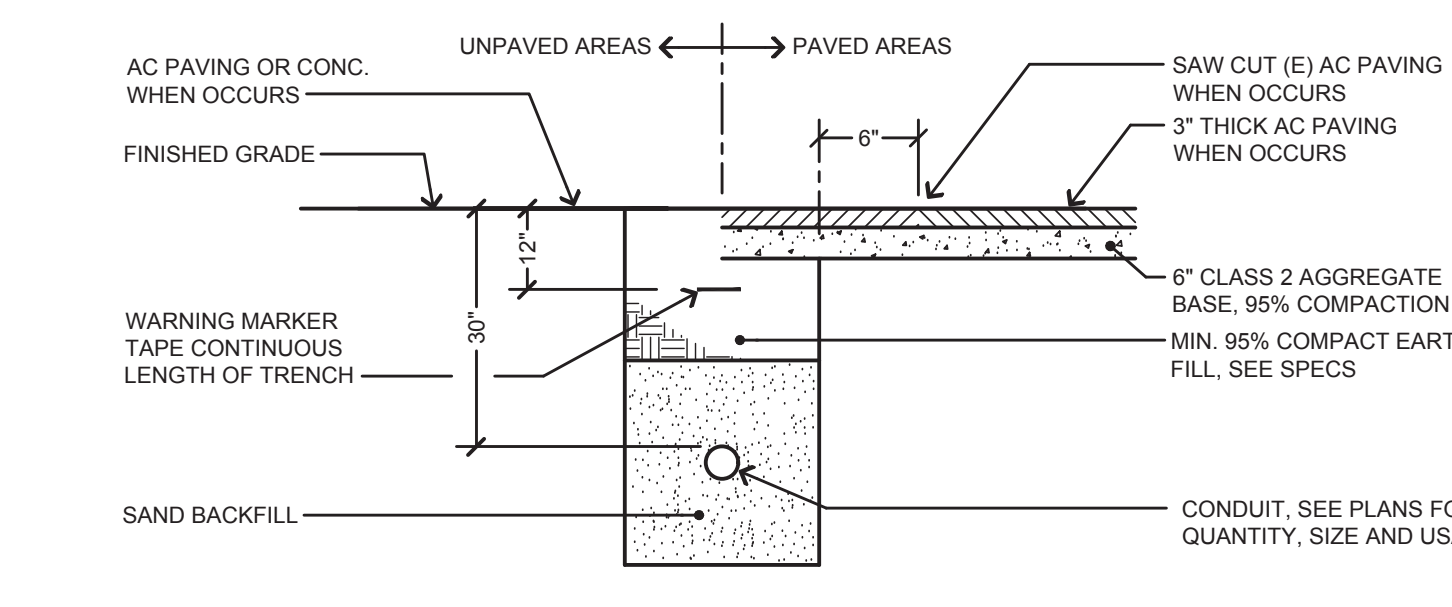
3 UNDERGROUND CONDUIT RISER DETAIL
NO SCALE



5 PA/CLOCK RISER DIAGRAM
NO SCALE



2 TYPICAL PULLBOX DETAIL
NO SCALE



1 TYPICAL TRENCH SECTION
NO SCALE

GENERAL NOTES:

- ALL LOW VOLTAGE CABLES SHALL BE ROUTED IN CONDUITS/SURFACE MOUNTED RACEWAY. FOR AREA/BUILDINGS WITH T-BAR CEILINGS, ROUTE CABLES ON J-HOOKS IN ACCESSIBLE T-BAR CEILING SPACES. PROVIDE J-HOOKS AT 4'0" OC.
- PA/CLOCK SYSTEM SHALL BE INSTALLED BY A QUALIFIED BOGEN INSTALLER WITH A MINIMUM OF 5 YEARS EXPERIENCE. CONTRACTOR SHALL SUBMIT THE INSTALLERS QUALIFICATIONS WITH SUBMITTALS FOR REVIEW.
- CONTRACTOR SHALL PROVIDE NECESSARY SPEAKER MODULE, ETC. HARDWARE FOR A COMPLETE AND FUNCTIONING SYSTEM. REFER TO SPECIFICATION SECTION 27 5100 FOR ALL REQUIRED EQUIPMENT, DEVICES, AND WIRING. PROVIDE AND INSTALL A COMPLETE CLOCK/SPEAKER SYSTEM AS SPECIFIED.
- NO SPLICES ALLOWED IN-GRADE PULLBOX.
- CONTRACTOR SHALL TEST ALL DEVICES AND PROVIDE REPORT PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CABLING AND LABELS. ALL NEW CABLING SHALL BE LABELED AND ANY INCORRECT EXISTING LABELS SHALL BE CORRECTED.
- SEE FLOOR PLANS FOR EXACT LOCATIONS AND QUANTITIES OF NEW DEVICES. CALL STATIONS NOT SHOWN ON FLOOR PLANS; CALL STATIONS SHALL BE FIELD COORDINATED FOR EXACT INSTALL LOCATION.



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ELECTRICAL DETAILS

MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
MORRILL MIDDLE SCHOOL
1970 MORRILL AVENUE, SAN JOSE, CA 95132
BERRYESSA UNION SCHOOL DISTRICT

REVISIONS	NO.	ITEM	DATE

DRAWN BY: FS
CHECKED BY: NA
SFA JOB NO: DATE:
21068 03/07/2022

E1.1

SHEET NOTES

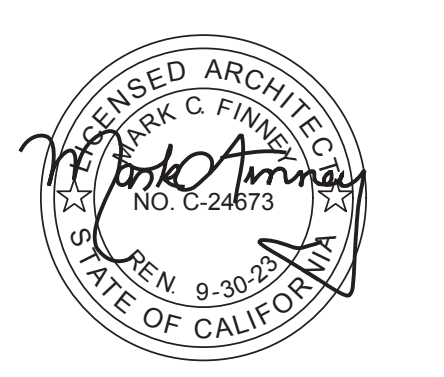
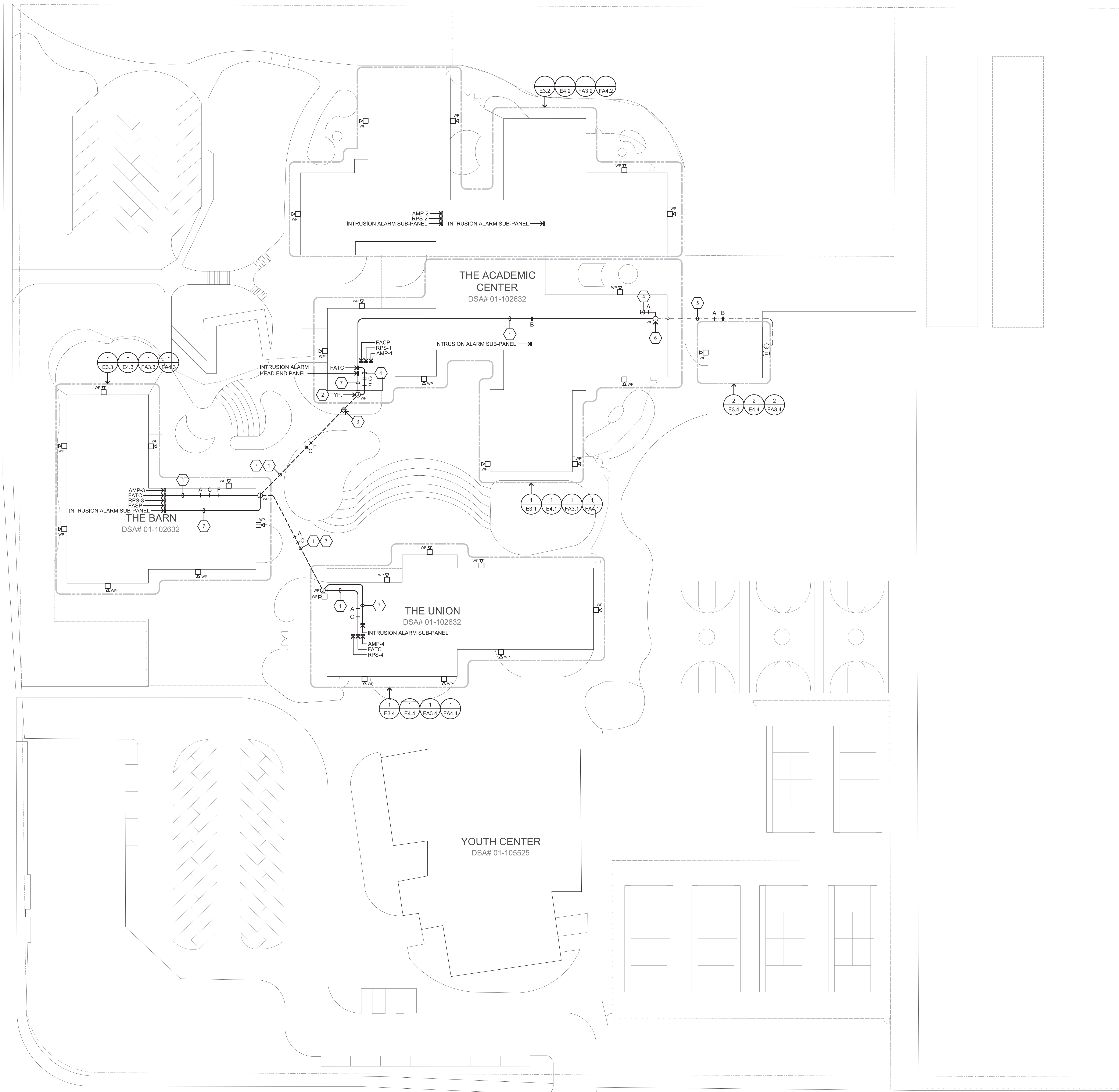
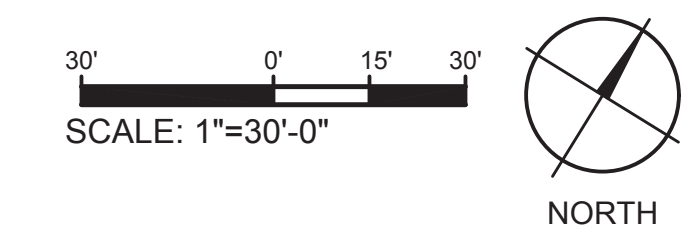
- CONTRACTOR SHALL PROVIDE AND INSTALL 2 1/2" C. FOR FIRE ALARM CABLES.
- PROVIDE AND INSTALL 18" SQ. X 6" DEEP NEMA 3R PULLCAN.
- PROVIDE AND INSTALL CHRISTY #N16 PULLBOX WITH LID LABELED "FIRE ALARM".
- SEE 1/FA3.1 FOR CONTINUATION.
- CONTRACTOR SHALL ROUTE NEW FIRE ALARM CABLES VIA EXISTING 2" CONDUIT.
- PROVIDE AND INSTALL ROOF MOUNTED 18" SQ. X 6" DEEP NEMA 3R PULLCAN TO INTERCEPT EXISTING 2" CONDUIT AND EXTEND BACK TO EXISTING TERMINAL CABINET LOCATED IN ELECTRICAL ROOM.
- CONTRACTOR SHALL PROVIDE AND INSTALL 2" C. FOR SECURITY CABLES.

CABLE LEGEND

- TYPE A = DENOTES INITIATING DETECTION CIRCUITS (SMOKE DETECTOR, HEAT DETECTOR, ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) #14 TWISTED-UNSHIELDED PAIR. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.
- TYPE B = DENOTES NOTIFICATION APPLIANCE CIRCUITS (SPEAKERS, STROBES, BELL ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) PAIR OF #12 AWG. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.
- TYPE C = 6-STRAND 62.5 MICRON MULTI-MODE FIBER OPTIC CABLE, SUITABLE FOR UNDERGROUND USE.
- TYPE F = DENOTES SBus CABLE PER MANUFACTURER'S 8-STRAND MULTI-MODE FIBER OPTIC CABLE (SUITABLE FOR UNDERGROUND USE) FOR CONNECTION TO FIRE ALARM SUB-PANEL.

GENERAL NOTES:

- CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES PRIOR TO TRENCHING AND TAKE CAUTION TO AVOID DAMAGE DURING TRENCHING. HAND TRENCH IF NECESSARY. CONTRACTOR SHALL MAKE ALL REPAIRS TO DAMAGED UTILITIES AT NO CHARGE TO OWNER.
- SEAL ALL EXTERIOR/INTERIOR BUILDING PENETRATIONS, CUT AND PATCH WALLS/CEILINGS FOR CONDUIT ROUTING AS NECESSARY. PAINT/FINISH EXPOSED CONDUITS/BOXES TO MATCH BUILDING FINISH. COORDINATE WITH FACILITIES MANAGER & ARCHITECT FOR EXACT REQUIREMENTS.
- ALL BUILDING FIRE ALARM DEVICES (REMOTE POWER SUPPLIES, DIGITAL AUDIO AMPLIFIERS AND OUTDOOR SPEAKERS) ARE SHOWN FOR REFERENCE ONLY. SEE FIRE ALARM PLANS FOR EXACT LOCATIONS.
- PROVIDE AND INSTALL JUNCTION BOXES AT EACH SIDE OF WALLS/CEILINGS PENETRATED FOR CONDUIT ROUTING AND AS REQUIRED TO NOT EXCEED MORE THAN 270° IN CONDUIT BENDS.



AURUM CONSULTING ENGINEERS
MONTEREY BAY, INC.
Project No. 21-370-00
60 Garden Court • Suite 210 • Monterey, CA 93940
T: 831.646.3330 • F: 831.646.3336 • www.aurem.com

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ELECTRICAL SITE PLAN
MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
MORRILL MIDDLE SCHOOL
1970 MORRILL AVENUE, SAN JOSE, CA 95132
BERRYESSA UNION SCHOOL DISTRICT

NO.	ITEM	DATE

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E2.1

FIRE RATED WALL LEGEND	
	1-HOUR FIRE RATED WALL

SHEET NOTES

- CONTRACTOR SHALL DEMOLISH ALL PA SPEAKERS, CLOCKS, DOOR CONTACTS AND FIRE ALARM SYSTEM COMPLETE PER GENERAL DEMOLITION NOTES ON SHEET E0.1. CONTRACTOR SHALL ASSUME QUANTITY OF DEVICES TO BE DEMOLISHED ARE EQUAL TO NEW DEVICES BEING INSTALLED.

(DSA STAMP AREA)

SUGIMURA FINNEY ARCHITECTS
ARCHITECTURE INTERIORS PLANNING
275 SOUTH EASCOM AVE
SUITE 204
CAMPBELL, CA 95008
PHONE: 408.278.9579
FAX: 408.278.9580

AURUM CONSULTING ENGINEERS MONTEREY BAY, INC.
Project No. 21-370-00
60 Garden Court • Suite 210 • Monterey, CA 93940
T. 831.646.3330 • F. 831.646.3336 • www.auremb.com

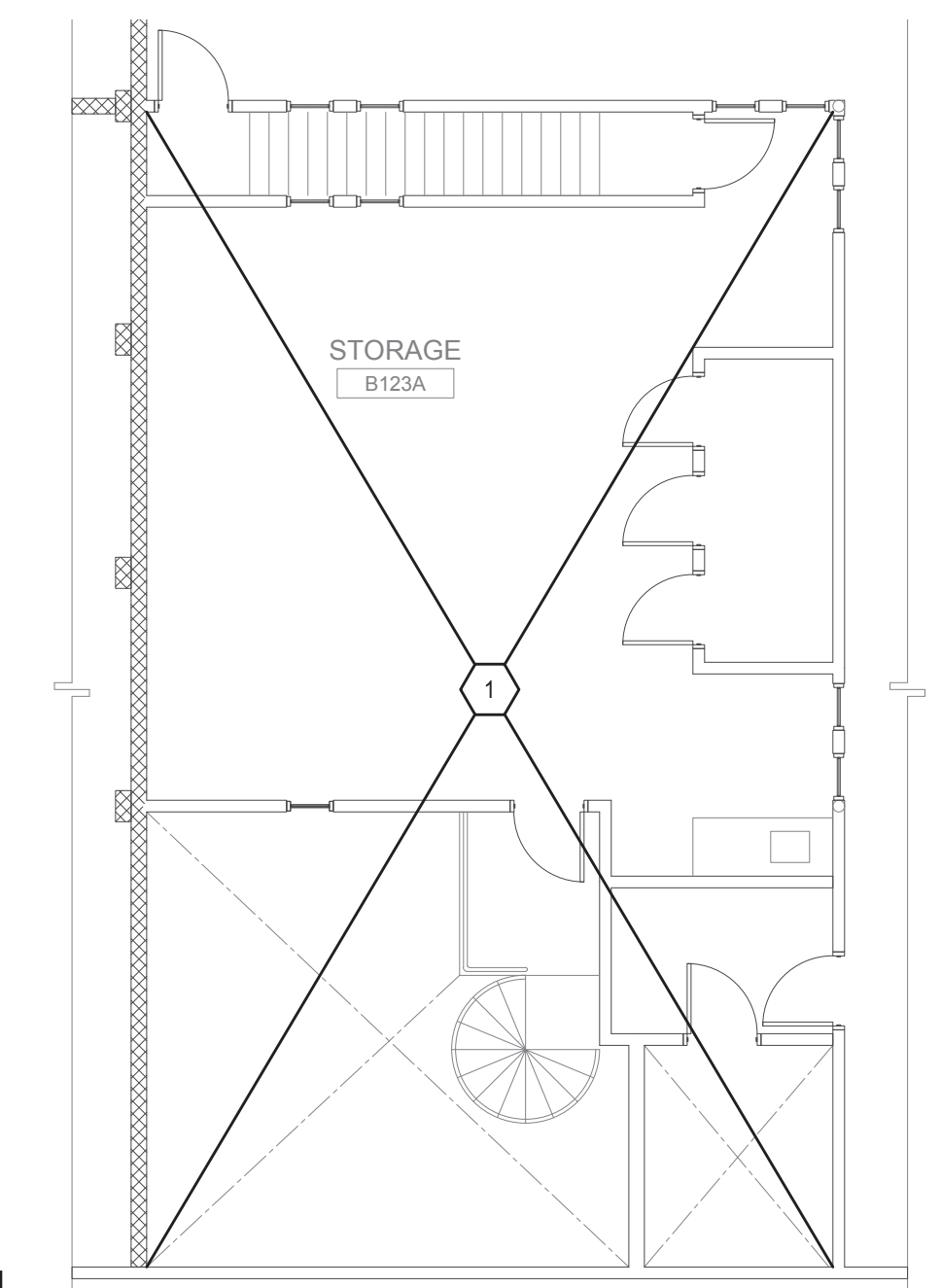
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ELECTRICAL DEMOLITION PLAN - THE ACADEMIC CENTER AREA A & 2ND FLOOR
MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
MORRILL MIDDLE SCHOOL
1970 MORRILL AVENUE, SAN JOSE, CA 95132
BERRYESSA UNION SCHOOL DISTRICT

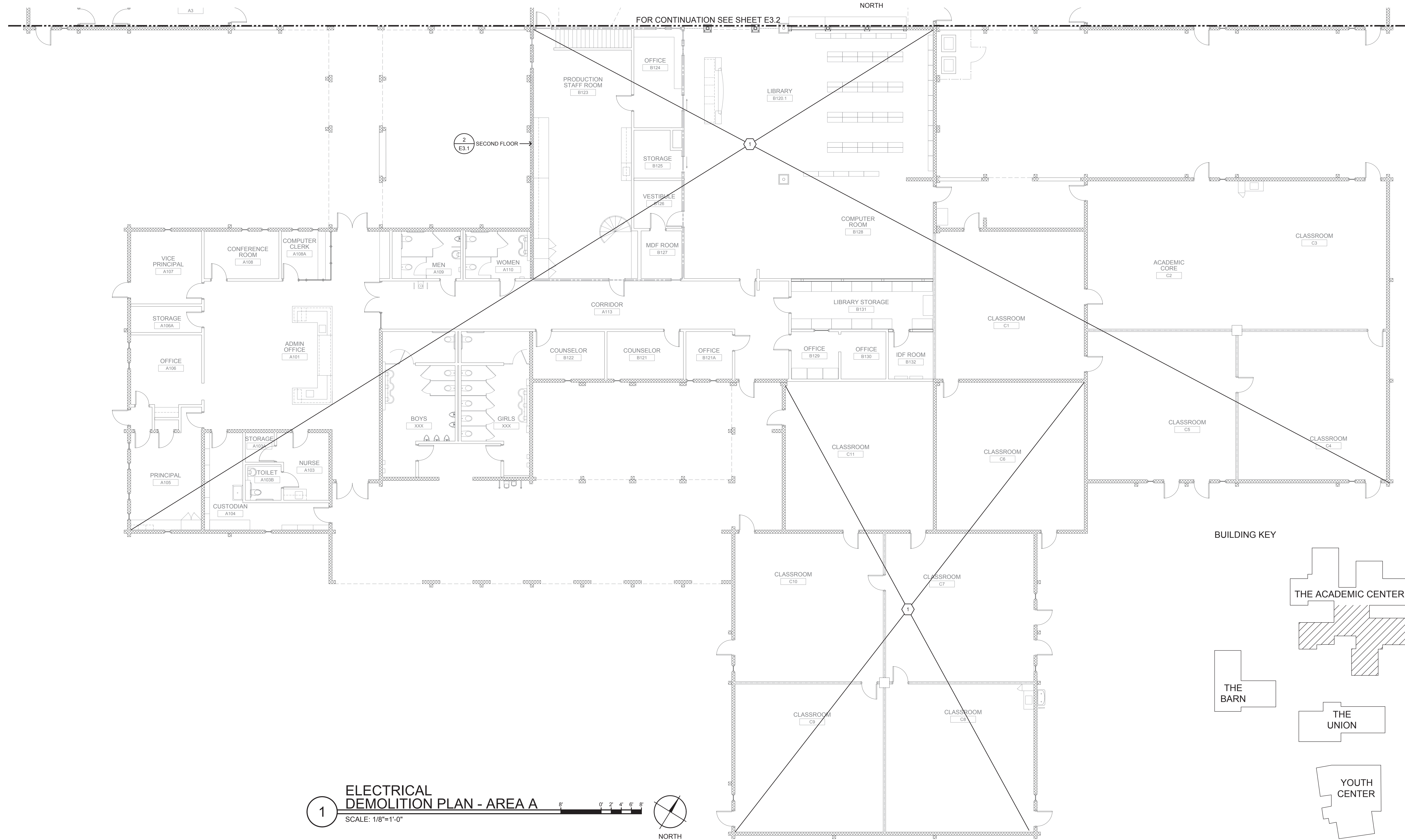
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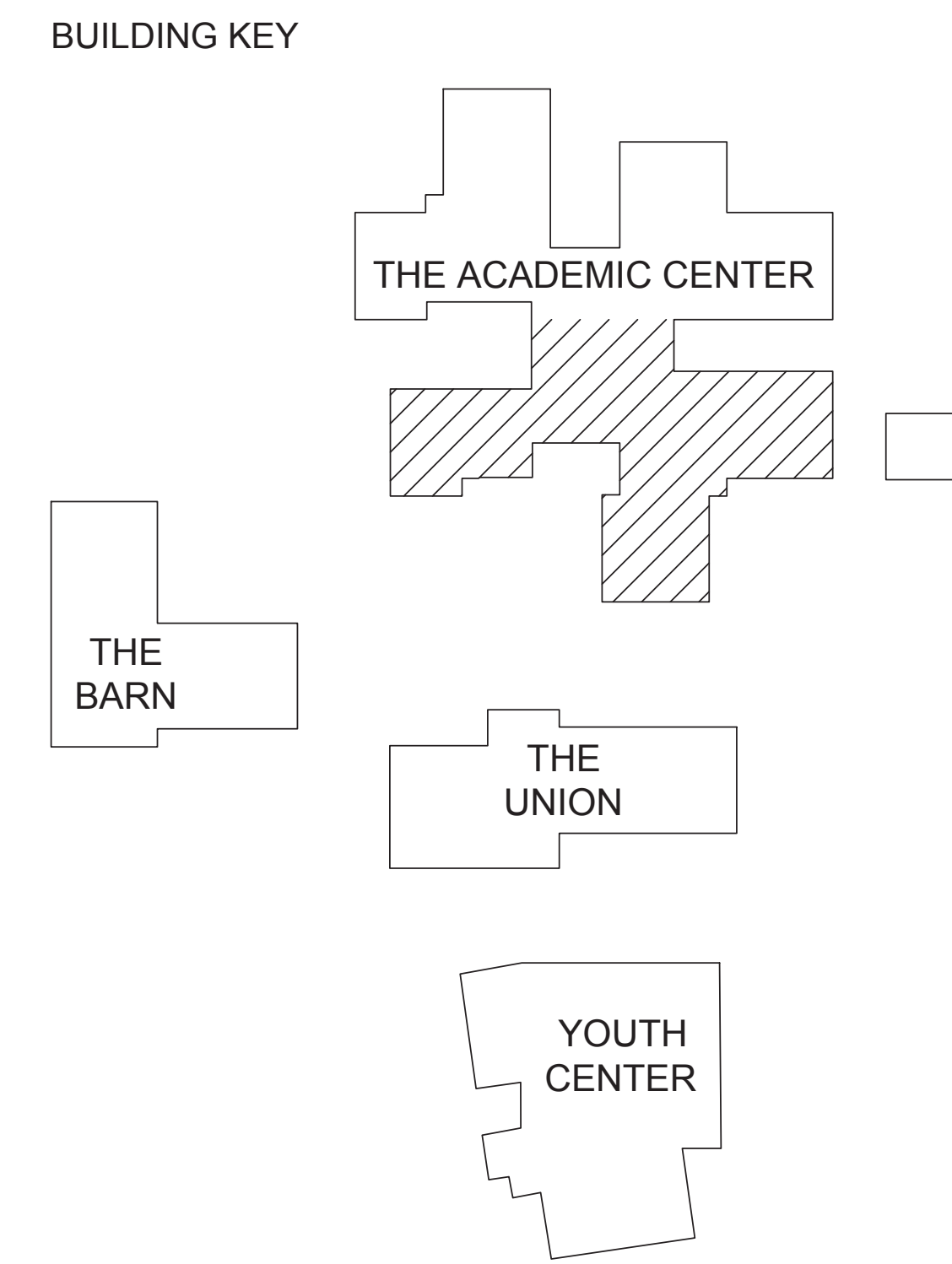
E3.1



2 ELECTRICAL DEMOLITION PLAN - 2ND FLOOR
SCALE: 1/8"=1'-0"
NORTH



1 ELECTRICAL DEMOLITION PLAN - AREA A
SCALE: 1/8"=1'-0"
NORTH



FIRE RATED WALL LEGEND
 - - - - - 1-HOUR FIRE RATED WALL

SHEET NOTES

- CONTRACTOR SHALL DEMOLISH ALL PA SPEAKERS, CLOCKS, DOOR CONTACTS AND FIRE ALARM SYSTEM COMPLETE PER GENERAL DEMOLITION NOTES ON SHEET E0.1. CONTRACTOR SHALL ASSUME QUANTITY OF DEVICES TO BE DEMOLISHED ARE EQUAL TO NEW DEVICES BEING INSTALLED.

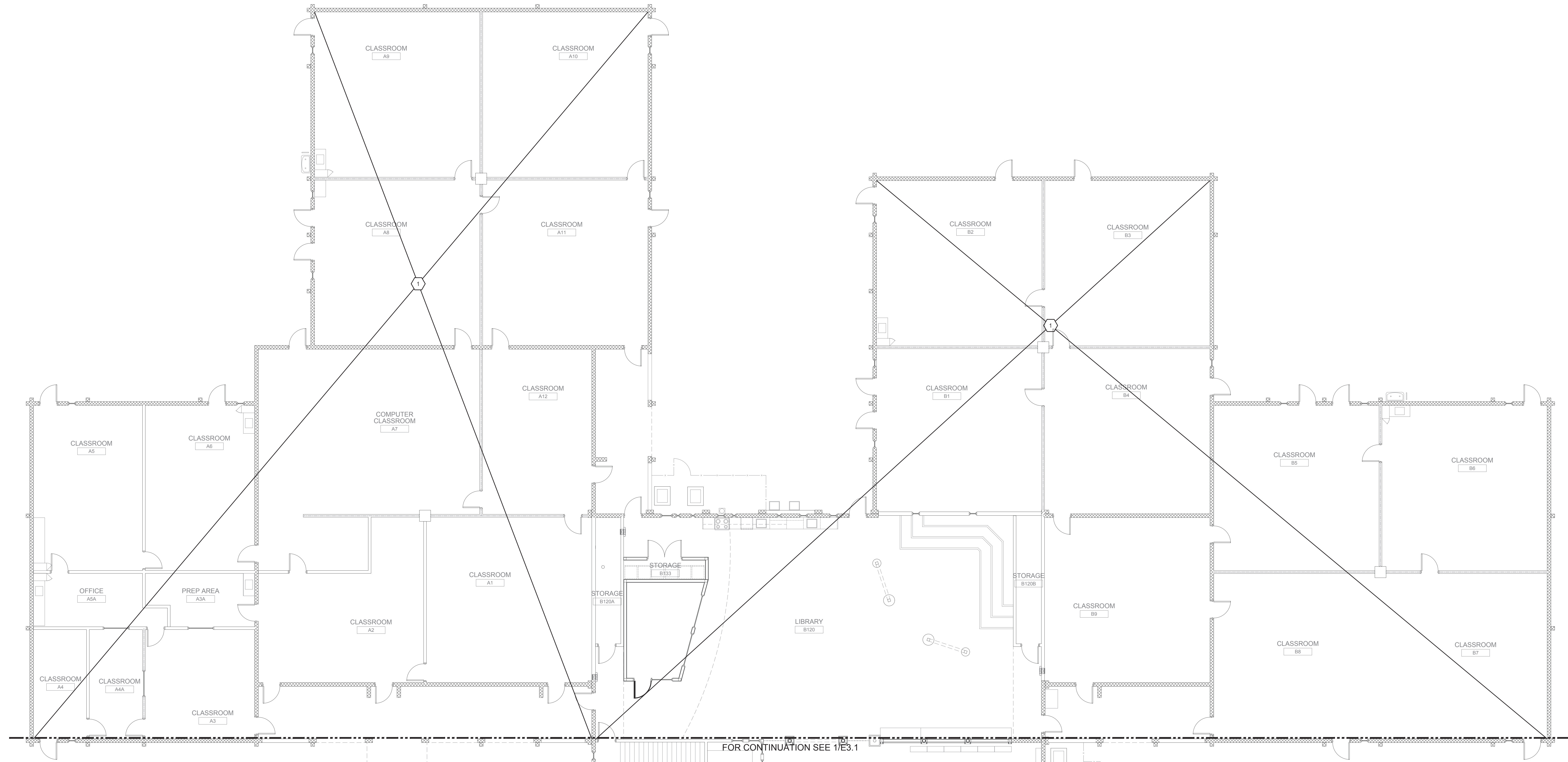
(DSA STAMP AREA)

SUGIMURA FINNEY ARCHITECTS
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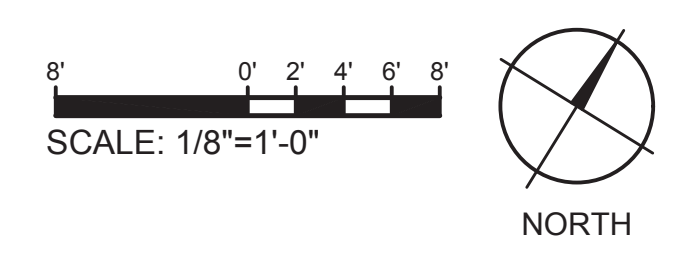
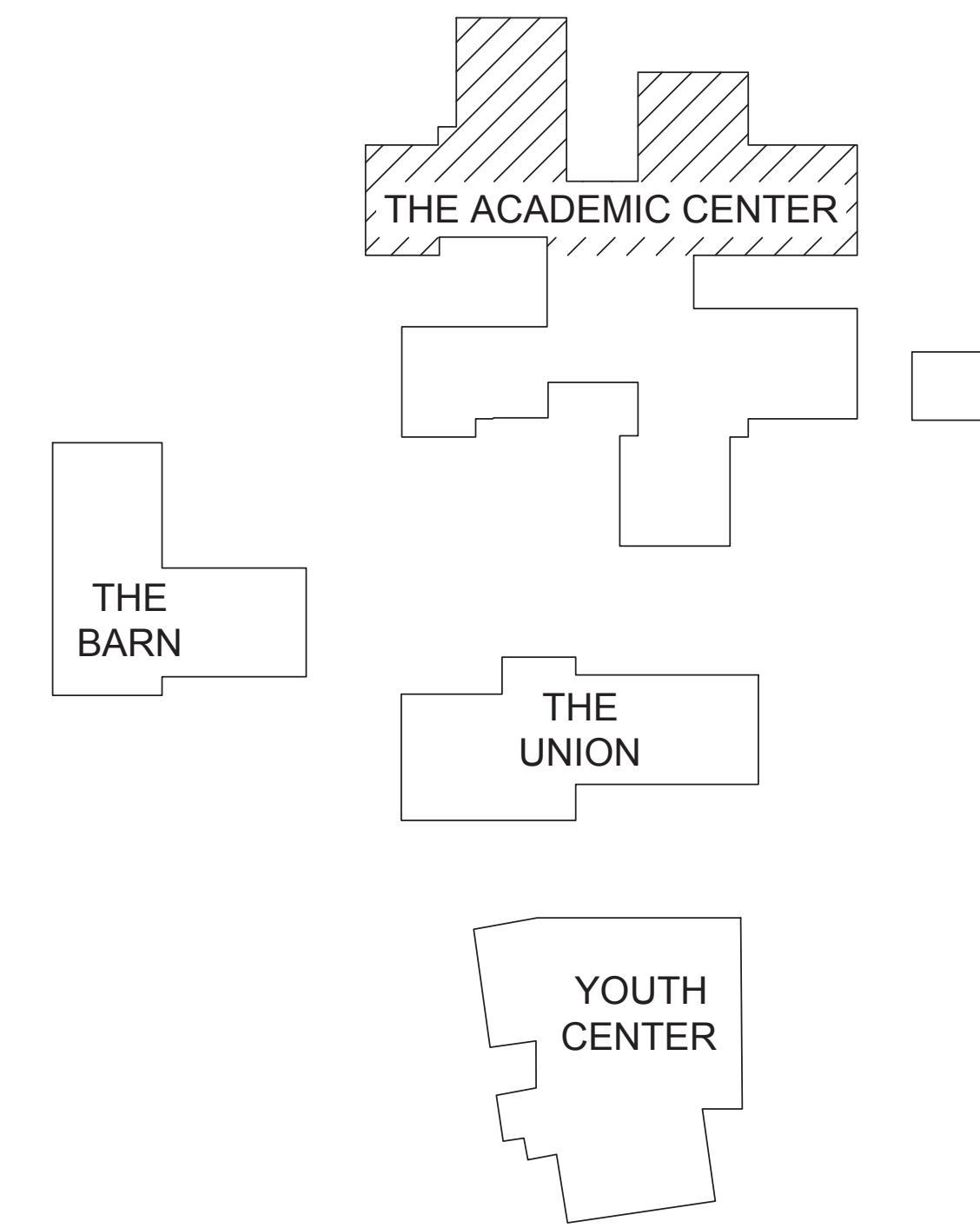
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FOR CONTINUATION SEE 1/E3.1

BUILDING KEY



ELECTRICAL DEMOLITION PLAN - THE ACADEMIC CENTER AREA B
 MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
 MORRILL MIDDLE SCHOOL
 1970 MORRILL AVENUE, SAN JOSE, CA 95132
 BERRYESSA UNION SCHOOL DISTRICT

NO.	ITEM	DATE

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 CHECKED BY: NA
 SFA JOB NO: 21068 DATE: 03/07/2022

E3.2

FIRE RATED WALL LEGEND
 - - - - - 1-HOUR FIRE RATED WALL

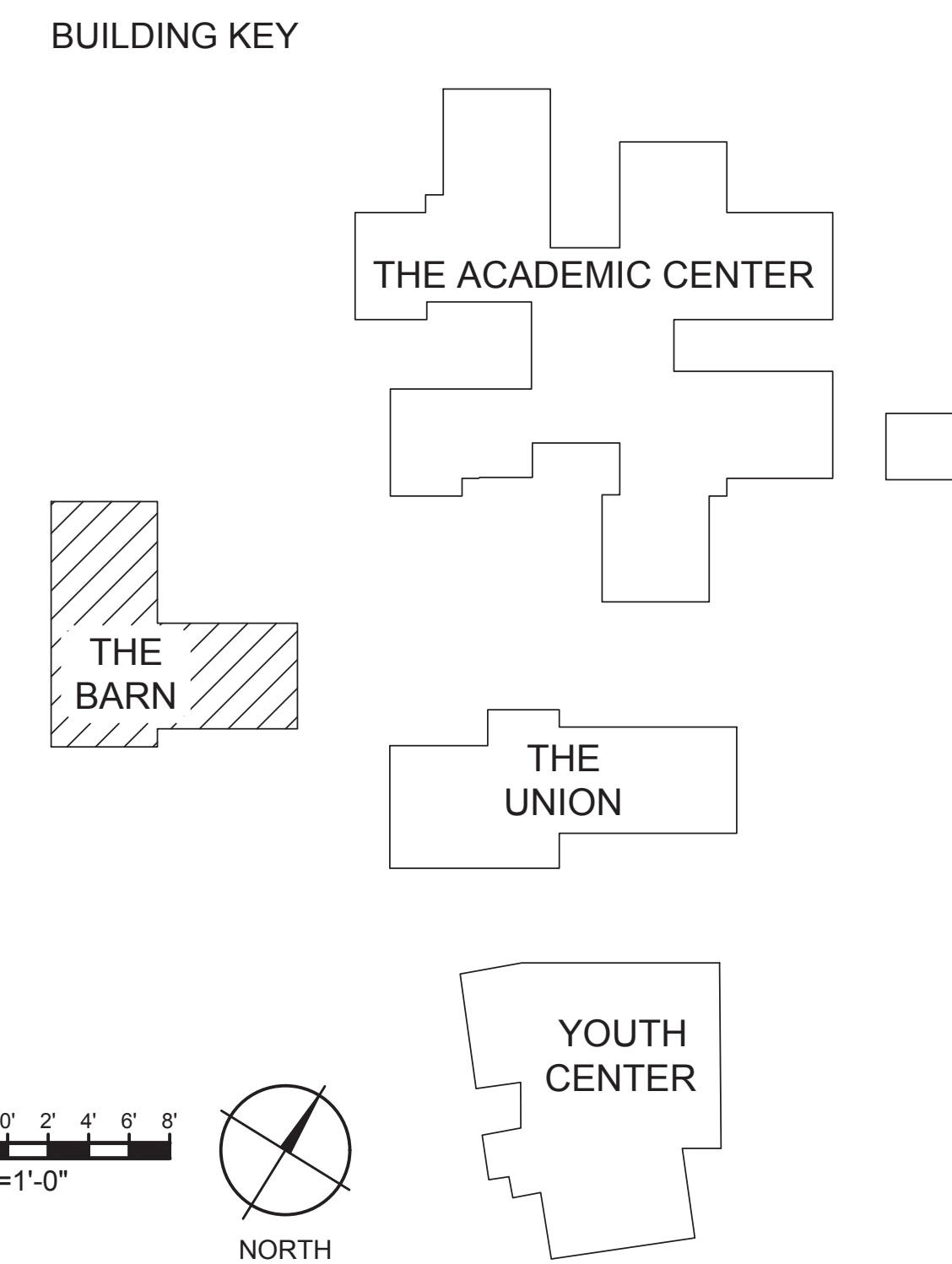
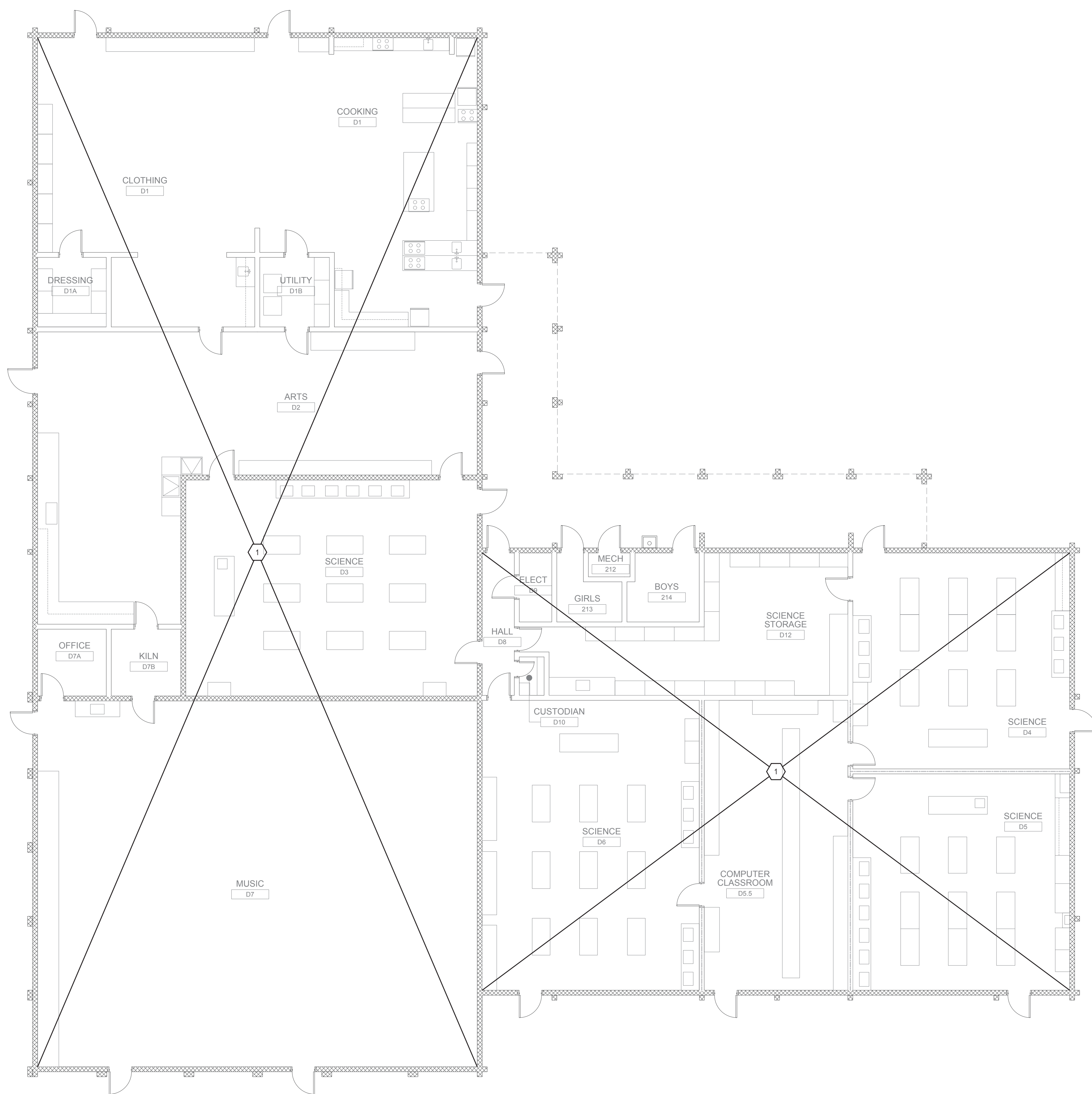
SHEET NOTES

- CONTRACTOR SHALL DEMOLISH ALL PA SPEAKERS, CLOCKS, DOOR CONTACTS AND FIRE ALARM SYSTEM COMPLETE PER GENERAL DEMOLITION NOTES ON SHEET E0.1. CONTRACTOR SHALL ASSUME QUANTITY OF DEVICES TO BE DEMOLISHED ARE EQUAL TO NEW DEVICES BEING INSTALLED.



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8" 0" 2" 4" 6" 8"
 SCALE: 1/8"=1'-0"

ELECTRICAL DEMOLITION PLAN - THE BARN
 MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
 MORRILL MIDDLE SCHOOL
 1970 MORRILL AVENUE, SAN JOSE, CA 95132
 BERRYESSA UNION SCHOOL DISTRICT

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E3.3

FIRE RATED WALL LEGEND
 - - - - - 1-HOUR FIRE RATED WALL

SHEET NOTES

- CONTRACTOR SHALL DEMOLISH ALL PA SPEAKERS, CLOCKS, DOOR CONTACTS AND FIRE ALARM SYSTEM COMPLETE PER GENERAL DEMOLITION NOTES ON SHEET E0.1. CONTRACTOR SHALL ASSUME QUANTITY OF DEVICES TO BE DEMOLISHED ARE EQUAL TO NEW DEVICES BEING INSTALLED.

(DSA STAMP AREA)

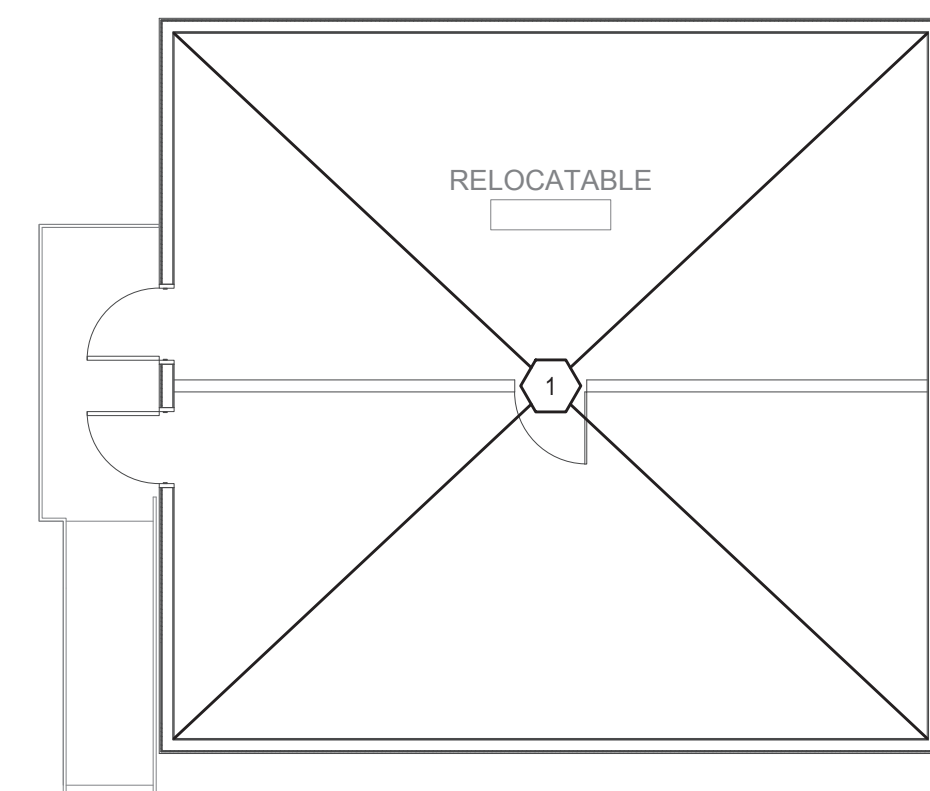
SUGIMURA FINNEY ARCHITECTS
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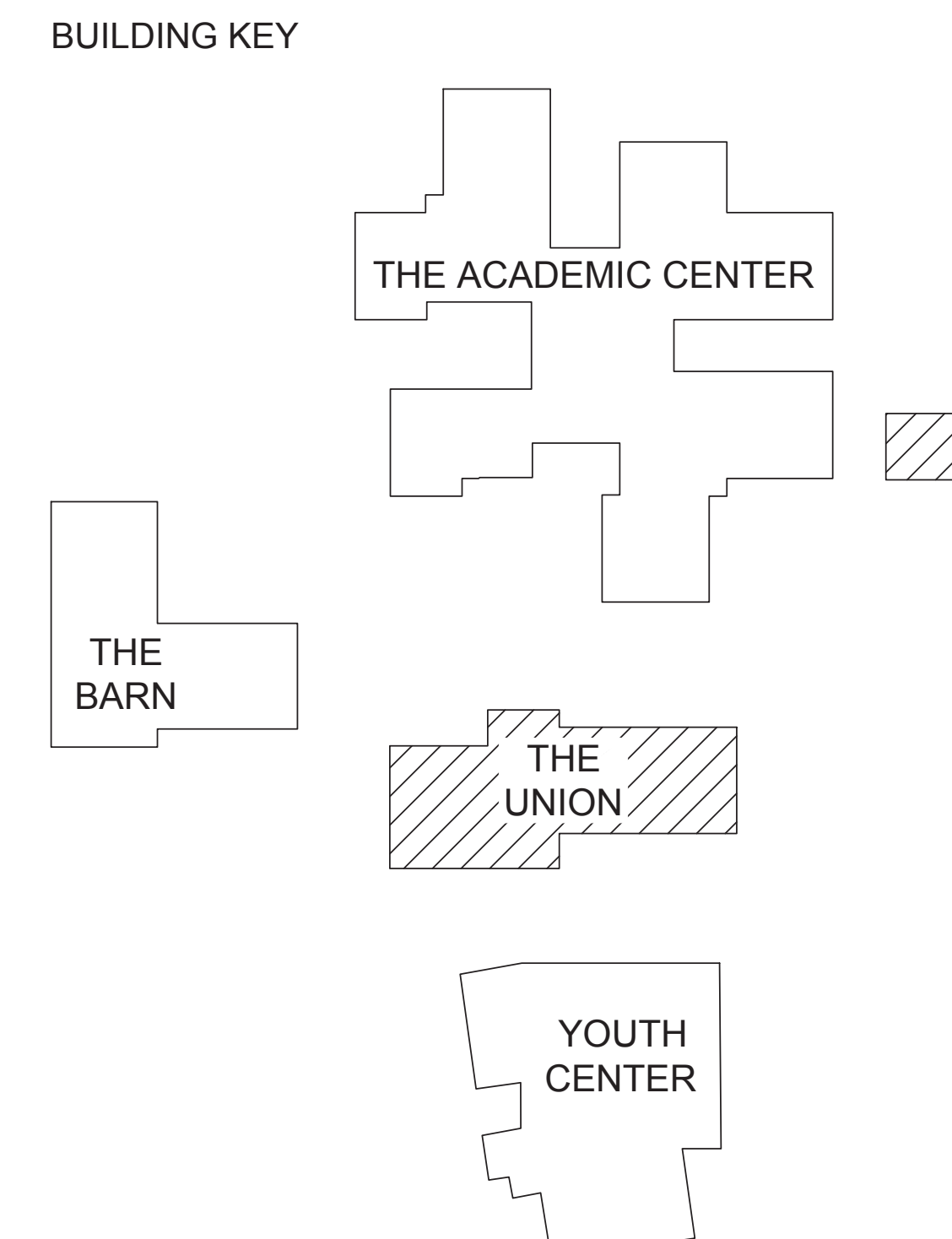
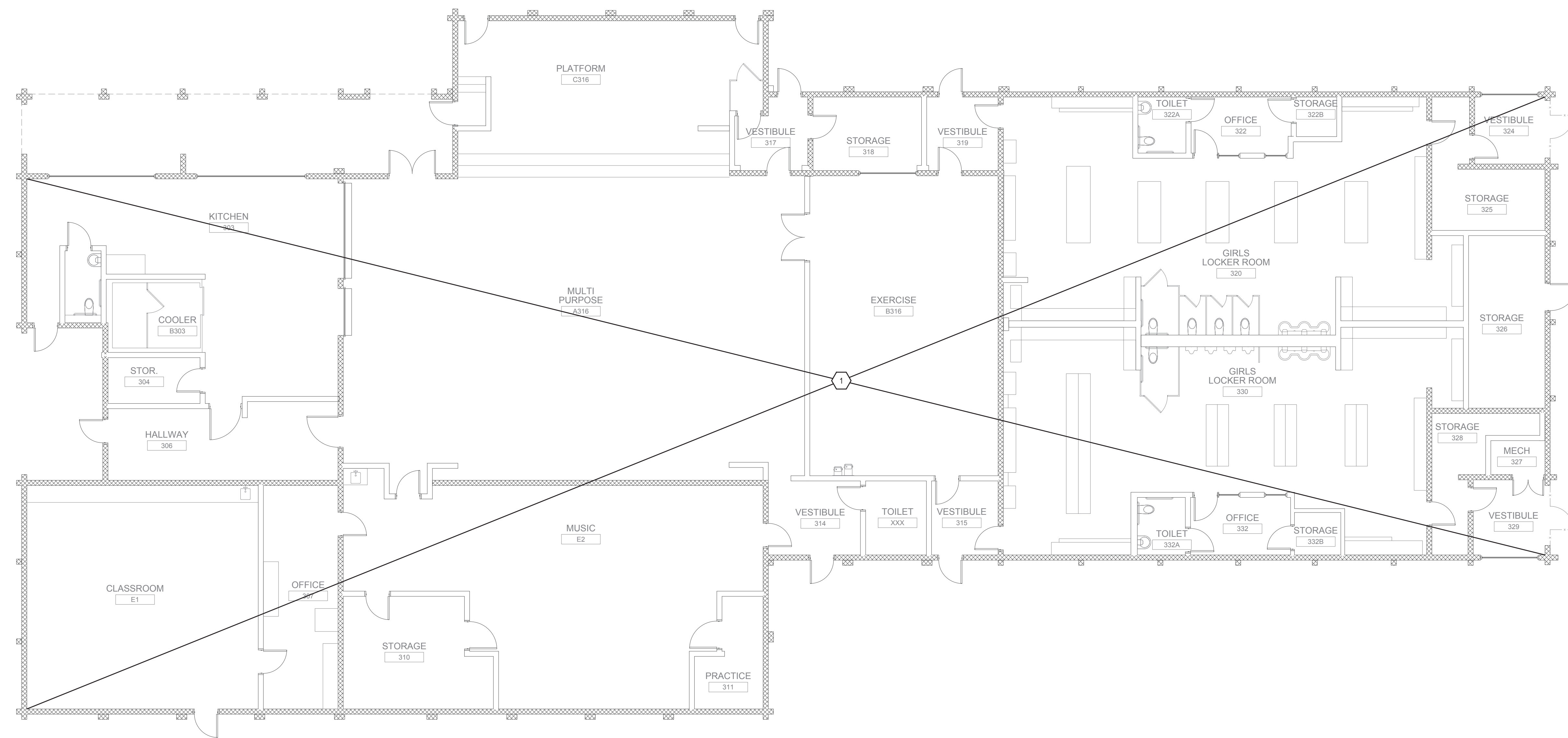


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2 ELECTRICAL DEMOLITION PLAN - RELOCATABLE CLASSROOMS
 SCALE: 1/8"=1'-0"



1 ELECTRICAL DEMOLITION PLAN - THE UNION
 SCALE: 1/8"=1'-0"

ELECTRICAL DEMOLITION PLAN - THE UNION & RELOCATABLE CLASSROOMS

MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
 MORRILL MIDDLE SCHOOL
 1970 MORRILL AVENUE, SAN JOSE, CA 95132
 BERRYESSA UNION SCHOOL DISTRICT

REVISIONS NO.	ITEM	DATE

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E3.4

CONDUIT NOTES:

- A. FOR ALL ROOMS WITH HARD LID CEILINGS: INDOOR WIRES SHALL BE ROUTED VIA SURFACE MOUNTED NON-METALLIC RACEWAYS.
- B. FOR ALL ROOMS WITH DROPPED CEILINGS: INDOOR WIRES SHALL BE ROUTED VIA J-HOOKS/OPEN AIR ABOVE CEILING.
- C. FOR LIBRARY: INDOOR WIRES SHALL BE ROUTED VIA SURFACE MOUNTED PANDUIT.
- D. FOR GYMNASIUM/MPR BUILDING: INDOOR WIRES SHALL BE ROUTED VIA EMT CONDUIT.

SHEET NOTES

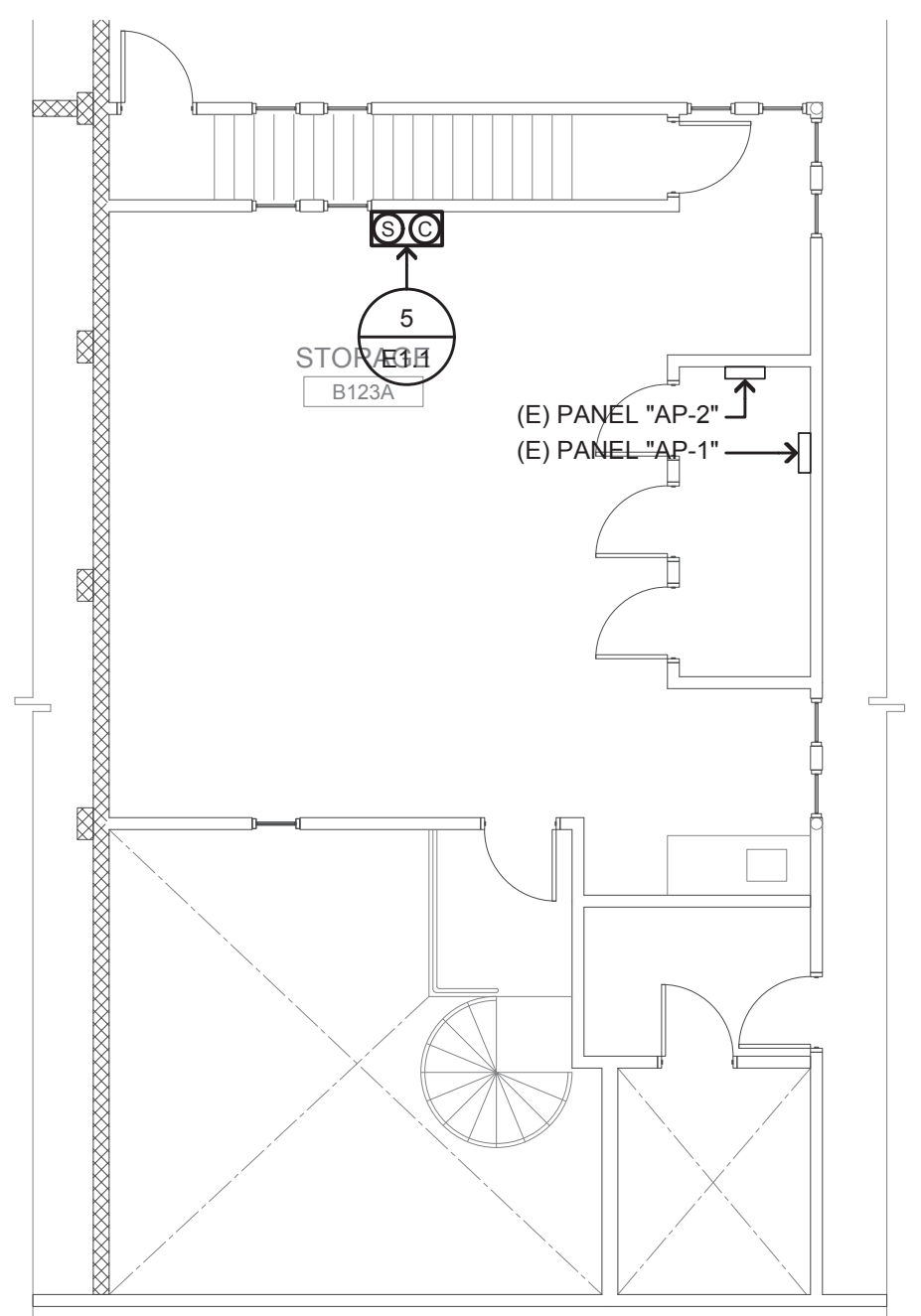
1. CIRCUIT VIA 2" C. 2 #12 & 1 #12 GND TO NEAREST ELECTRICAL PANEL; AT PANEL PROVIDE AND INSTALL 20 AMP, 1-POLE BREAKER.
2. SECURITY KEY PAD: FIELD VERIFY EXACT LOCATION WITH DISTRICT PRIOR TO ROUGH IN.
3. CONTRACTOR SHALL PROVIDE AND INSTALL 2" C. FOR SECURITY CABLES BACK TO INTRUSION ALARM HEAD END PANEL LOCATED IN CUSTODIAN A104.

FIRE RATED WALL LEGEND

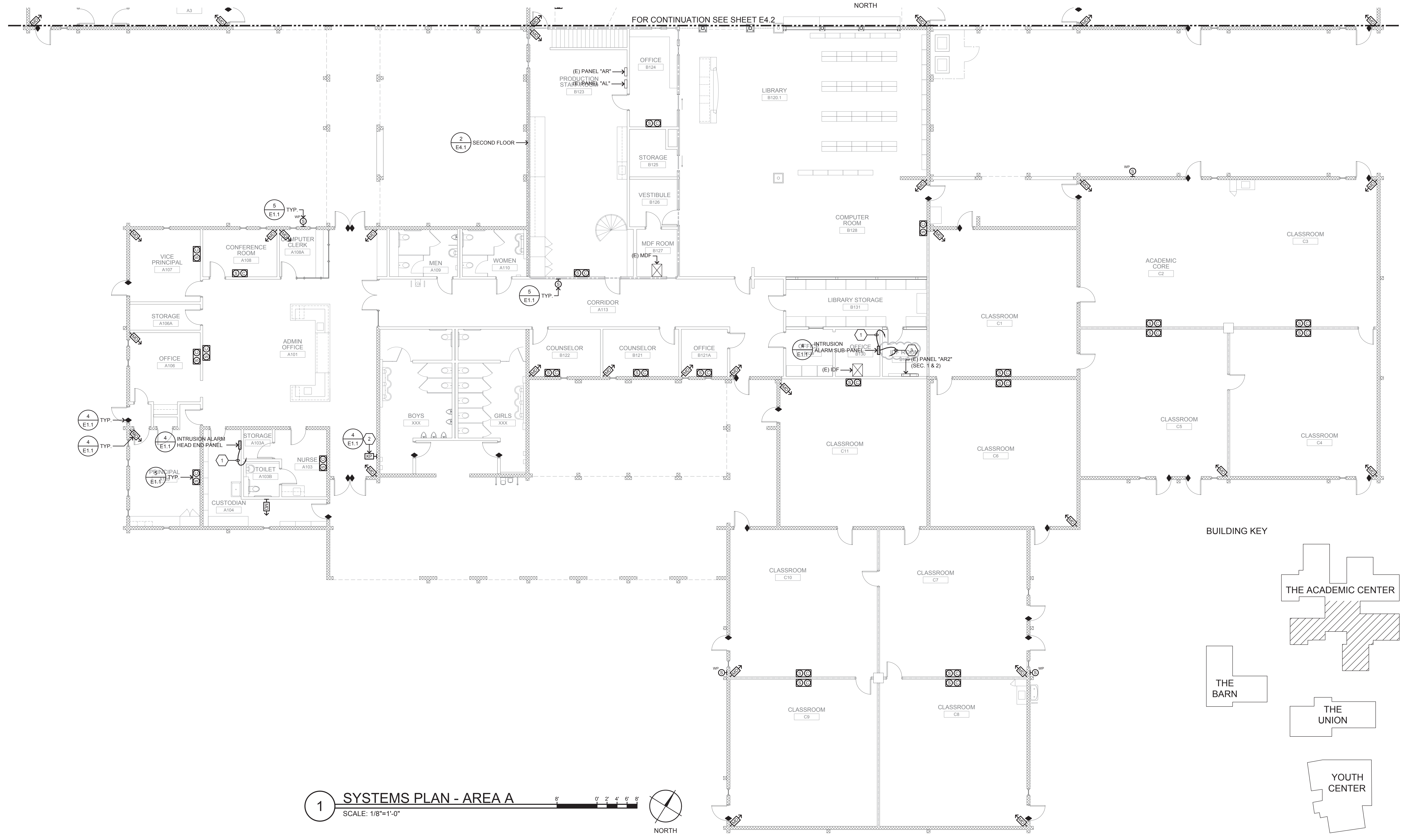
1-HOUR FIRE RATED WALL

GENERAL NOTE:

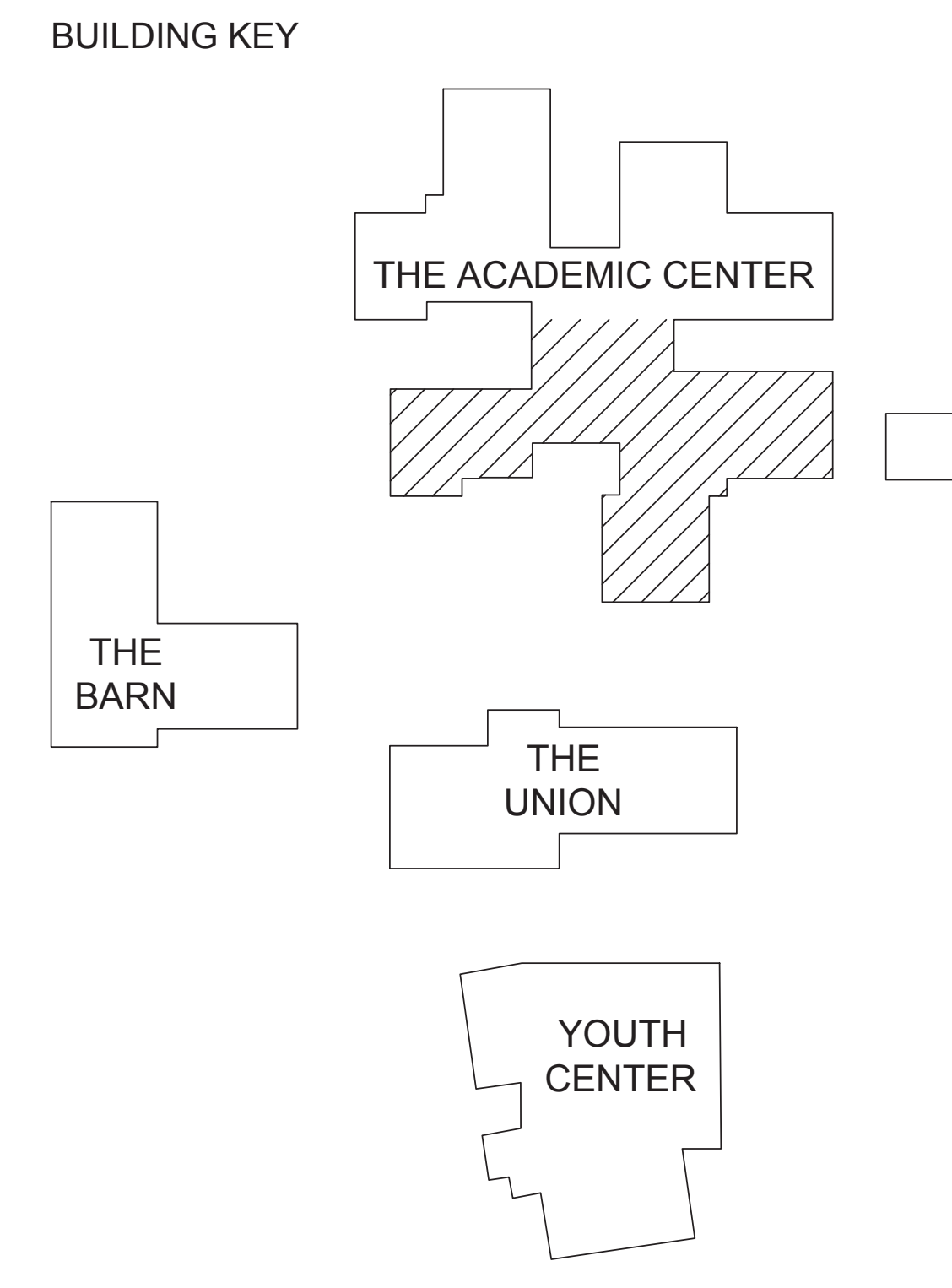
PROVIDE AND INSTALL JUNCTION BOXES AT EACH SIDE OF WALLS/CEILINGS PENETRATED FOR CONDUIT ROUTING AND AS REQUIRED TO NOT EXCEED MORE THAN 270" IN CONDUIT BENDS.



2 SYSTEMS PLAN - 2ND FLOOR
SCALE: 1/8"=1'-0"



1 SYSTEMS PLAN - AREA A
SCALE: 1/8"=1'-0"



(DSA STAMP AREA)

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REGISTERED ARCHITECT
MARK C. FINNEY
No. C-24873
STATE OF CALIFORNIA
9-30-2019

REGISTERED PROFESSIONAL ENGINEER
NEWTON ANTHONY
No. E-10117
ELECTRICAL
STATE OF CALIFORNIA
9-30-2019

AURUM CONSULTING ENGINEERS
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SYSTEMS PLAN - THE ACADEMIC CENTER AREA A & 2ND FLOOR
MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
MORRILL MIDDLE SCHOOL
1970 MORRILL AVENUE, SAN JOSE, CA 95132
BERRYESSA UNION SCHOOL DISTRICT

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DATE: 03/07/2022

E4.1

CONDUIT NOTES:

A. FOR ALL ROOMS WITH HARD LID CEILINGS: INDOOR WIRES SHALL BE ROUTED VIA SURFACE MOUNTED NON-METALLIC RACEWAYS.

B. FOR ALL ROOMS WITH DROPPED CEILINGS: INDOOR WIRES SHALL BE ROUTED VIA J-HOOKS/OPEN AIR ABOVE CEILING.

C. FOR LIBRARY: INDOOR WIRES SHALL BE ROUTED VIA SURFACE MOUNTED PANDUIT.

D. FOR GYMNASIUM/MPR BUILDING: INDOOR WIRES SHALL BE ROUTED VIA EMT CONDUIT.

SHEET NOTES

1. CIRCUIT VIA 2" C, 2 #12 & 1 #12 GND TO NEAREST ELECTRICAL PANEL; AT PANEL PROVIDE AND INSTALL 20 AMP, 1-POLE BREAKER.

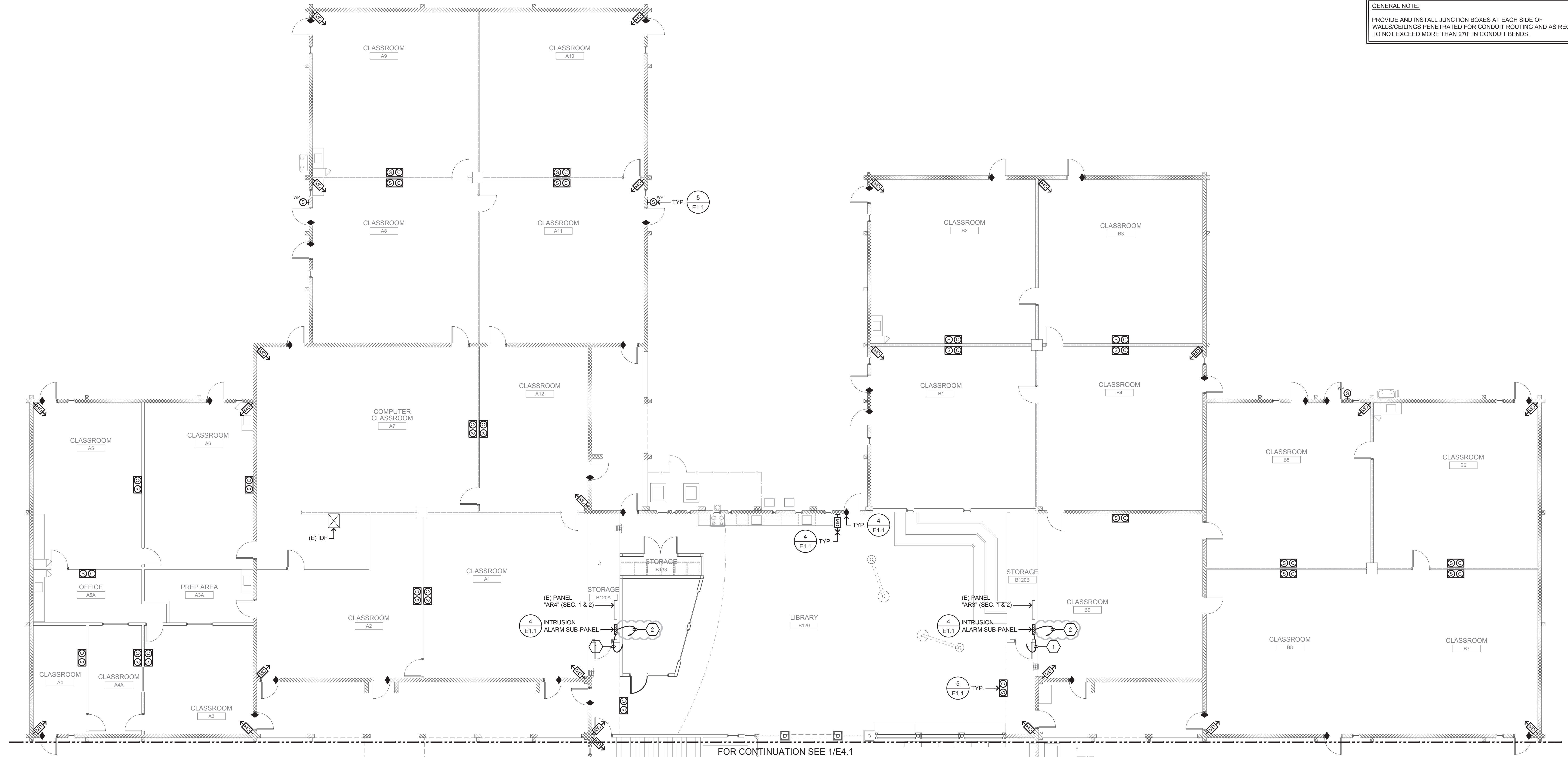
2. CONTRACTOR SHALL PROVIDE AND INSTALL 2" C FOR SECURITY CABLES BACK TO INTRUSION ALARM HEAD END PANEL LOCATED IN CUSTODIAN A104; SEE SHEET E4-1 FOR EXACT LOCATION.

FIRE RATED WALL LEGEND

1-HOUR FIRE RATED WALL

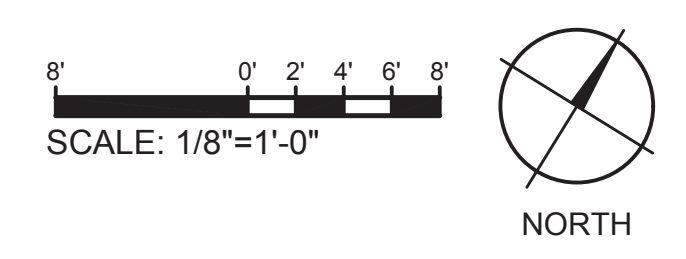
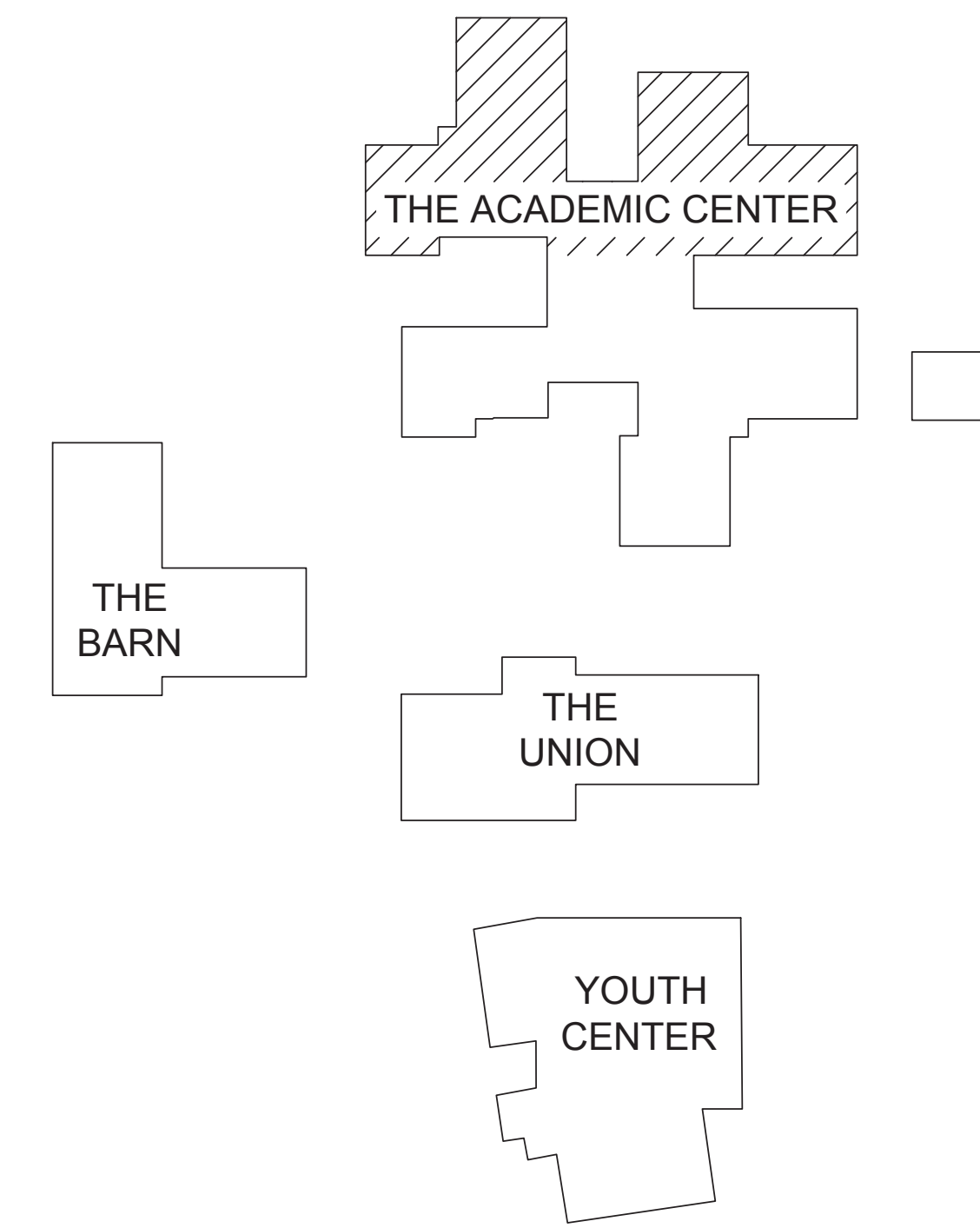
GENERAL NOTE:

PROVIDE AND INSTALL JUNCTION BOXES AT EACH SIDE OF WALLS/CEILINGS PENETRATED FOR CONDUIT ROUTING AND AS REQUIRED TO NOT EXCEED MORE THAN 270° IN CONDUIT BENDS.



FOR CONTINUATION SEE 1/E4.1

BUILDING KEY



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SYSTEMS PLAN - THE ACADEMIC CENTER AREA B
MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
MORRILL MIDDLE SCHOOL
1970 MORRILL AVENUE, SAN JOSE, CA 95132
BERRYESSA UNION SCHOOL DISTRICT

NO.	ITEM	DATE

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E4.2

CONDUIT NOTES:

A. FOR ALL ROOMS WITH HARD LID CEILINGS; INDOOR WIRES SHALL BE ROUTED VIA SURFACE MOUNTED NON-METALLIC RACEWAYS.

B. FOR ALL ROOMS WITH DROPPED CEILINGS; INDOOR WIRES SHALL BE ROUTED VIA J-HOOKS/OPEN AIR ABOVE CEILING.

C. FOR LIBRARY; INDOOR WIRES SHALL BE ROUTED VIA SURFACE MOUNTED PANDUIT.

D. FOR GYMNASIUM/MPR BUILDING; INDOOR WIRES SHALL BE ROUTED VIA EMT CONDUIT.

SHEET NOTES

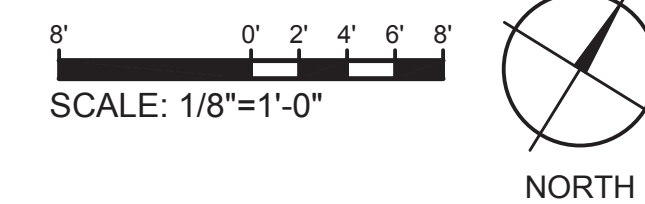
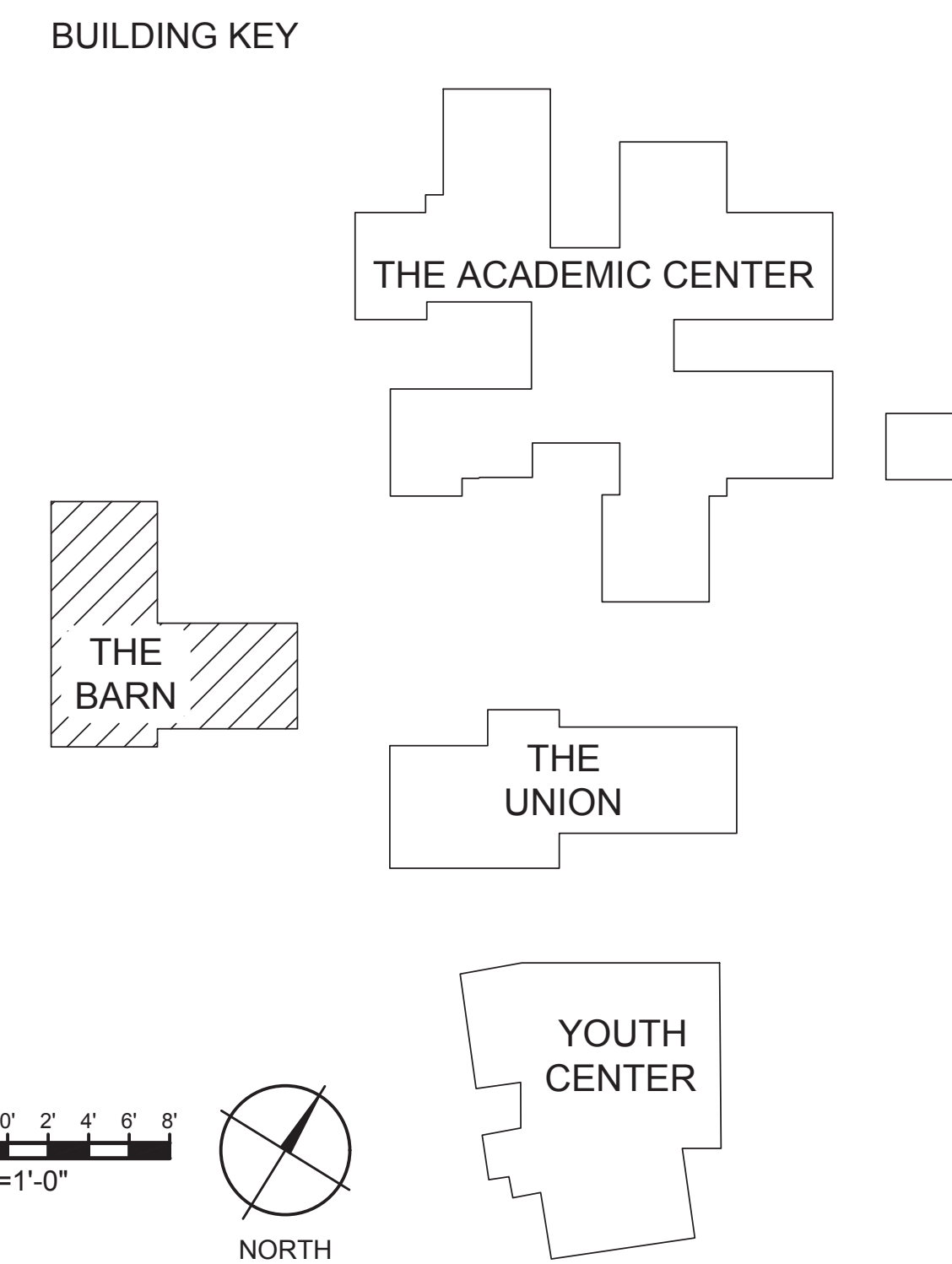
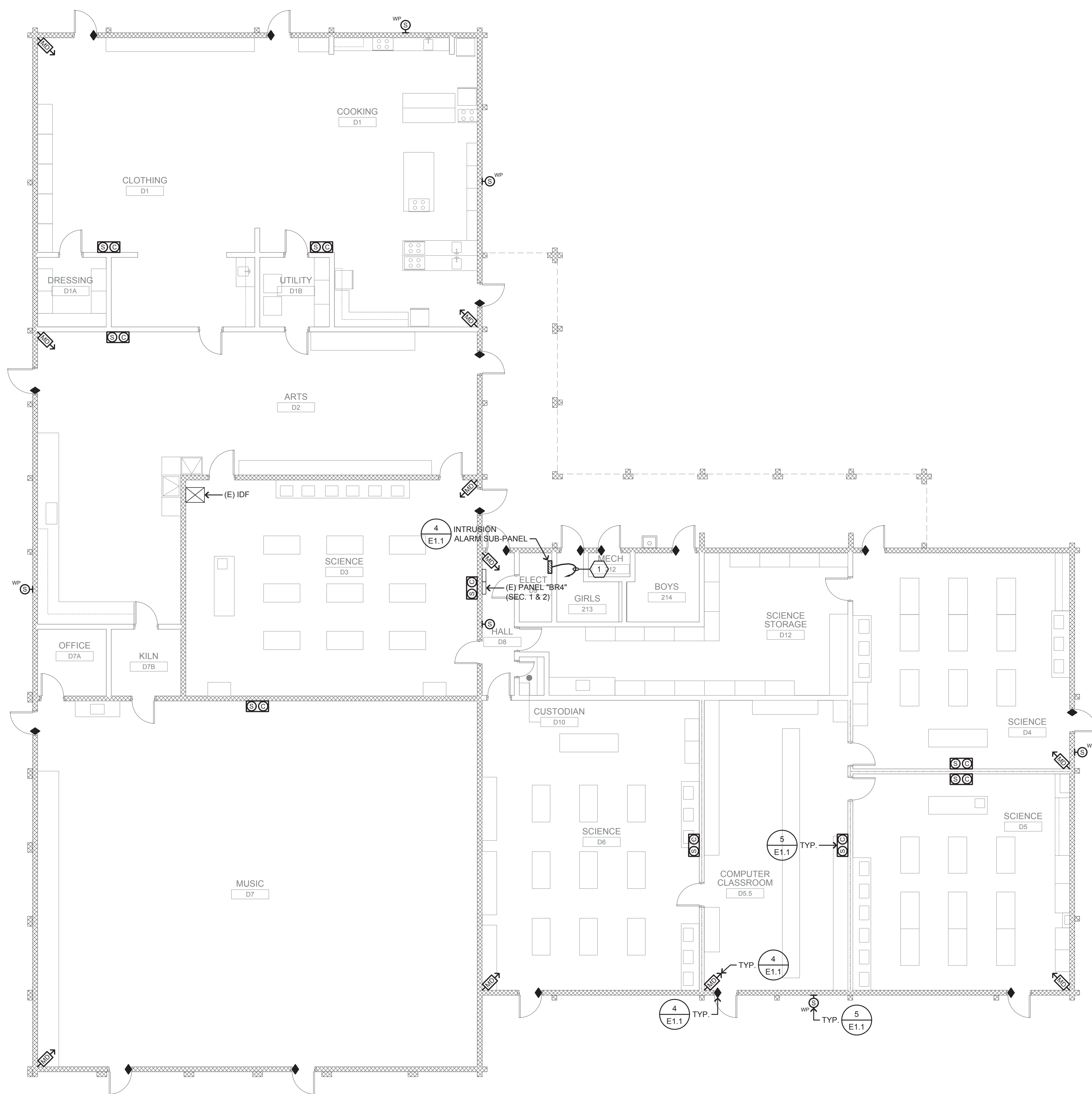
1. CIRCUIT VIA 1/2" C. 2 #12 & 1 #12 GND TO NEAREST ELECTRICAL PANEL; AT PANEL PROVIDE AND INSTALL 20 AMP, 1-POLE BREAKER.

FIRE RATED WALL LEGEND

1-HOUR FIRE RATED WALL

GENERAL NOTE:

PROVIDE AND INSTALL JUNCTION BOXES AT EACH SIDE OF WALLS/CEILINGS PENETRATED FOR CONDUIT ROUTING AND AS REQUIRED TO NOT EXCEED MORE THAN 270" IN CONDUIT BENDS.



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SYSTEMS PLAN - THE BARN

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MORRILL MIDDLE SCHOOL
1970 MORRILL AVENUE, SAN JOSE, CA 95132
BERRYESSA UNION SCHOOL DISTRICT

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E4.3

CONDUIT NOTES:

A. FOR ALL ROOMS WITH HARD LID CEILINGS; INDOOR WIRES SHALL BE ROUTED VIA SURFACE MOUNTED NON-METALLIC RACEWAYS.

B. FOR ALL ROOMS WITH DROPPED CEILINGS; INDOOR WIRES SHALL BE ROUTED VIA J-HOOKS/OPEN AIR ABOVE CEILING.

C. FOR LIBRARY; INDOOR WIRES SHALL BE ROUTED VIA SURFACE MOUNTED PANDUIT.

D. FOR GYMNASIUM/MPR BUILDING; INDOOR WIRES SHALL BE ROUTED VIA EMT CONDUIT.

FIRE RATED WALL LEGEND

----- 1-HOUR FIRE RATED WALL

SHEET NOTES

- CIRCUIT VIA 1/2" C. 2 #12 & 1 #12 GND TO NEAREST ELECTRICAL PANEL; AT PANEL PROVIDE AND INSTALL 20 AMP, 1-POLE BREAKER.
- PROVIDE AND INSTALL CSFM LISTED WIREGUARD FOR ALL DEVICES IN MULTI-USE ROOM.

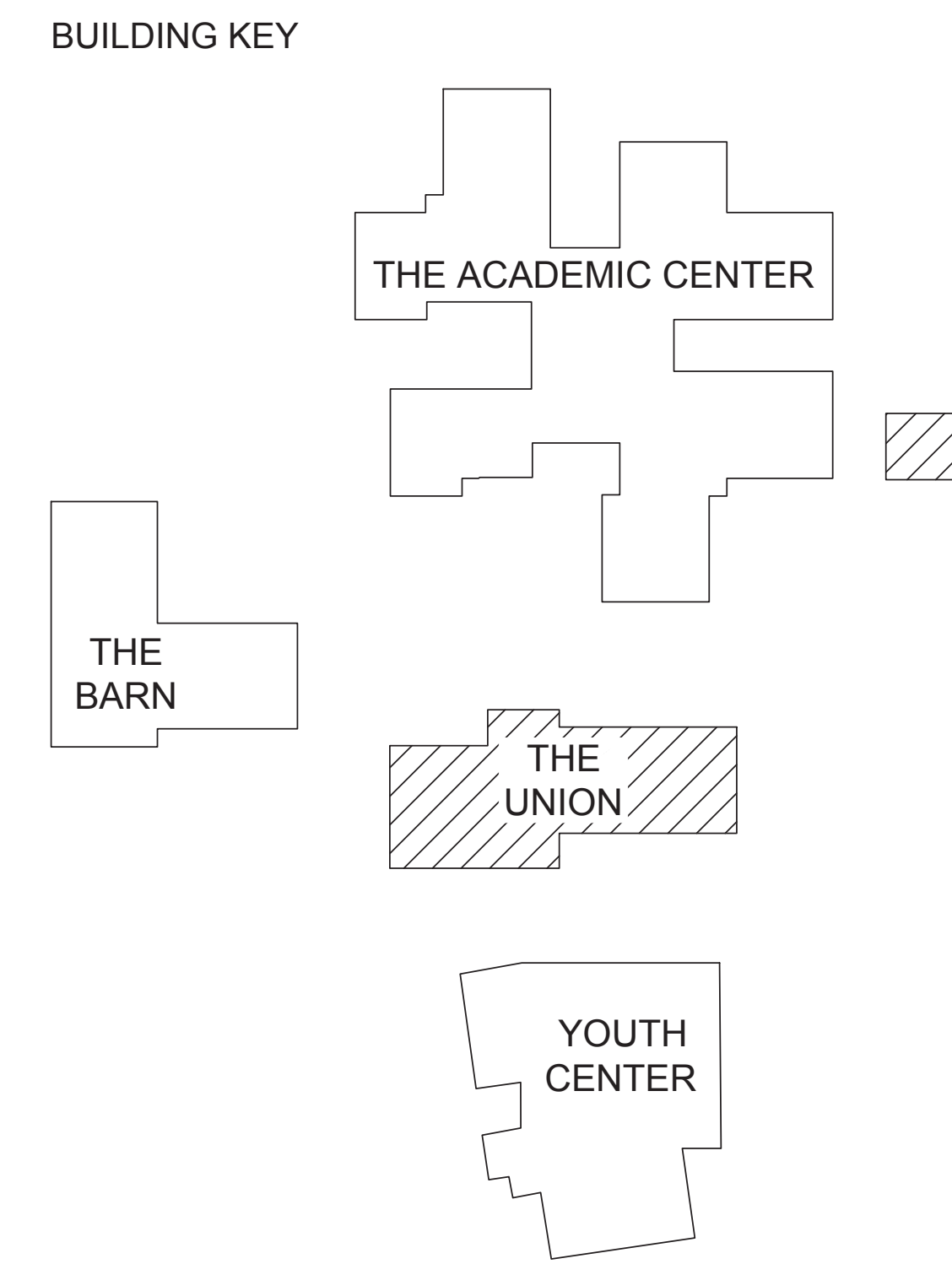
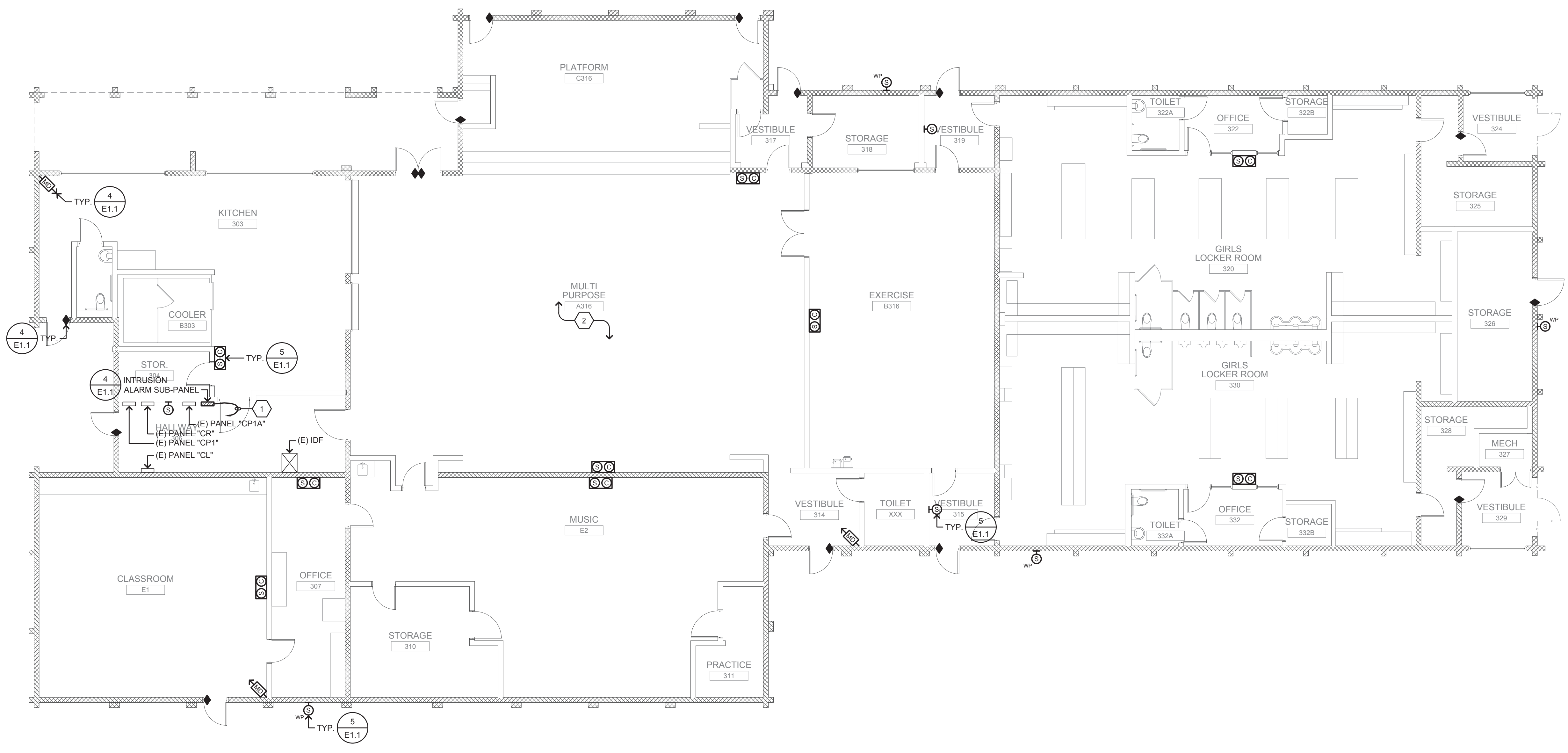
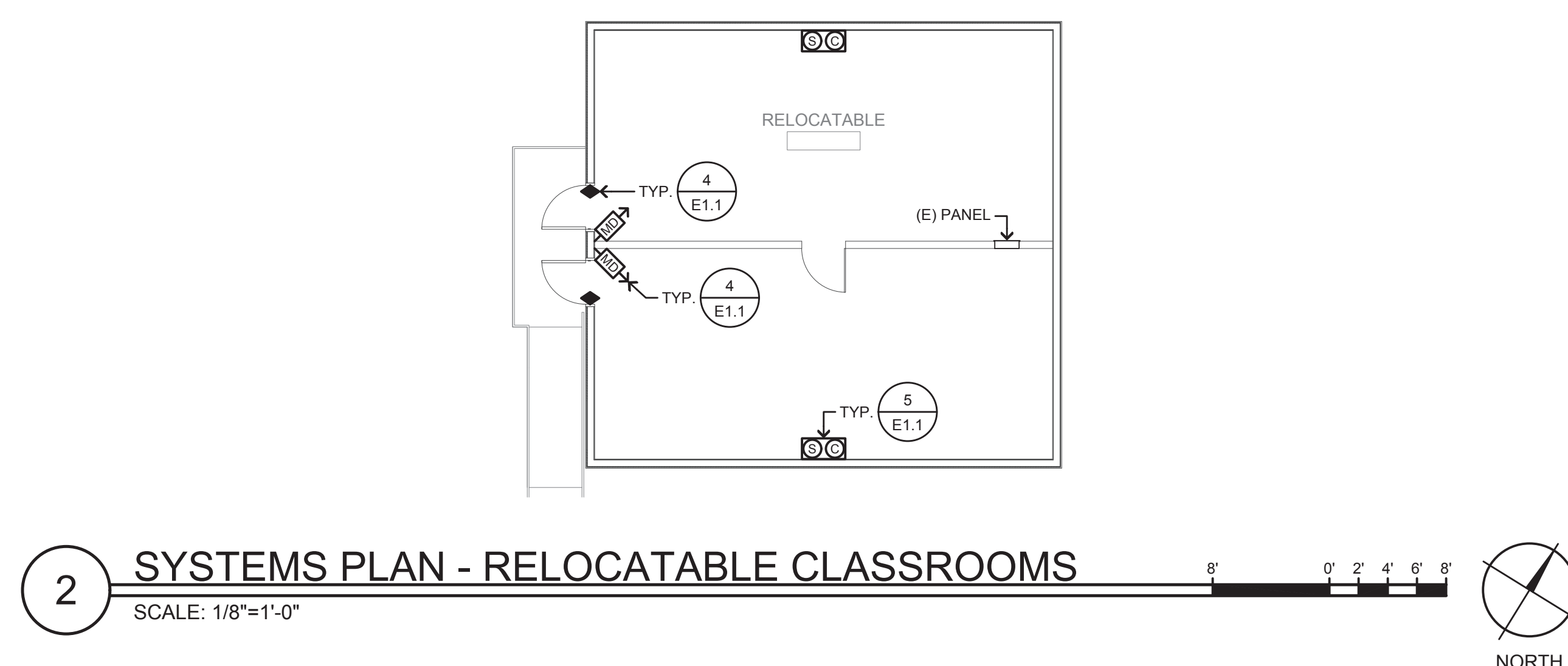
GENERAL NOTE:

PROVIDE AND INSTALL JUNCTION BOXES AT EACH SIDE OF WALLS/CEILINGS PENETRATED FOR CONDUIT ROUTING AND AS REQUIRED TO NOT EXCEED MORE THAN 270" IN CONDUIT BENDS.



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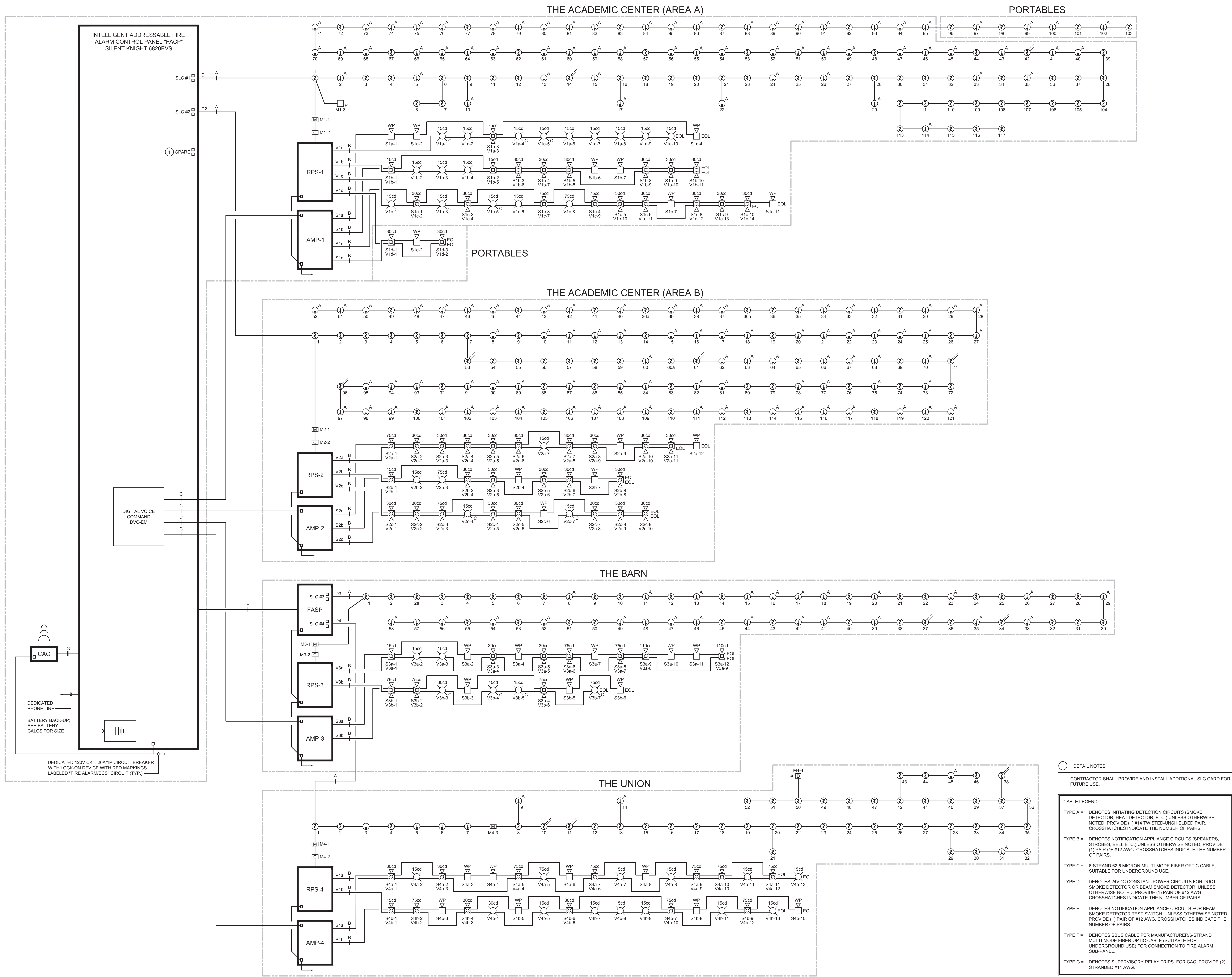
SYSTEMS PLAN - THE UNION & RELOCATABLE CLASSROOMS

MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
 MORRILL MIDDLE SCHOOL
 1970 MORRILL AVENUE, SAN JOSE, CA 95132
 BERRYSSA UNION SCHOOL DISTRICT

NO.	ITEM	DATE

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E4.4



DETAIL NOTES:

- CONTRACTOR SHALL PROVIDE AND INSTALL ADDITIONAL SLC CARD FOR FUTURE USE.

CABLE LEGEND

TYPE A = DENOTES INITIATING DETECTION CIRCUITS (SMOKE DETECTOR, HEAT DETECTOR, ETC.) UNLESS OTHERWISE NOTED. PROVIDE (1) #14 TWISTED-UNSHIELDED PAIR. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.

TYPE B = DENOTES NOTIFICATION APPLIANCE CIRCUITS (SPEAKERS, STROBES, BELL ETC.) UNLESS OTHERWISE NOTED. PROVIDE (1) PAIR OF #12 AWG. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.

TYPE C = 6-STRAND 62.5 MICRON MULTI-MODE FIBER OPTIC CABLE, SUITABLE FOR UNDERGROUND USE.

TYPE D = DENOTES 24VDC CONSTANT POWER CIRCUITS FOR DUCT SMOKE DETECTOR OR BEAM SMOKE DETECTOR. UNLESS OTHERWISE NOTED, PROVIDE (1) PAIR OF #12 AWG. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.

TYPE E = DENOTES NOTIFICATION APPLIANCE CIRCUITS FOR BEAM SMOKE DETECTOR TEST SWITCH. UNLESS OTHERWISE NOTED, PROVIDE (1) PAIR OF #12 AWG. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.

TYPE F = DENOTES SBus CABLE PER MANUFACTURER'S 6-STRAND MULTI-MODE FIBER OPTIC CABLE (SUITABLE FOR UNDERGROUND USE) FOR CONNECTION TO FIRE ALARM SUB-PANEL.

TYPE G = DENOTES SUPERVISORY RELAY TRIPS FOR CAC. PROVIDE (2) STRANDED #14 AWG.

(ISA STAMP AREA)

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MARK C. FINNEY
REGISTERED PROFESSIONAL ENGINEER
NO. C-24873
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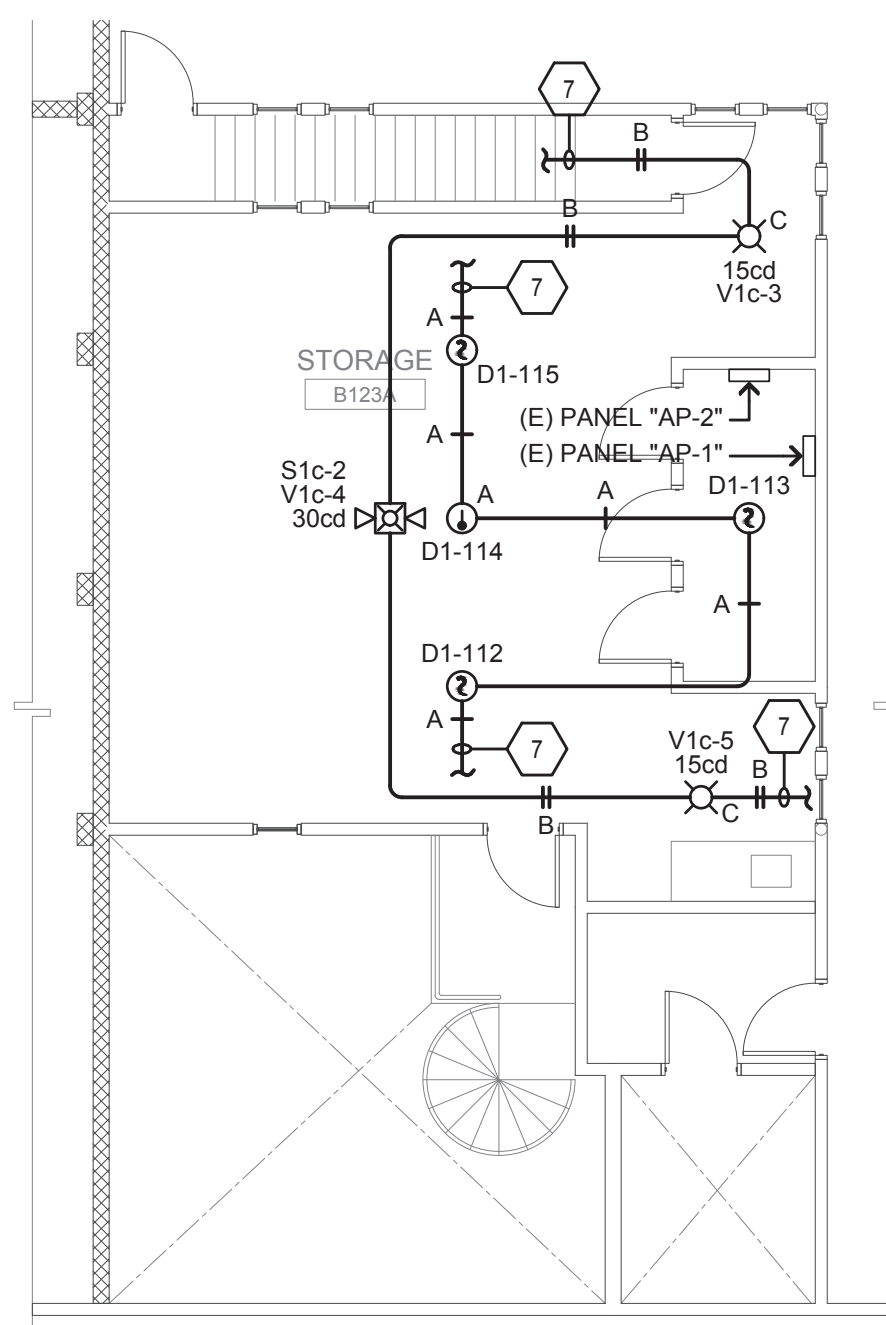
FIRE ALARM RISER DIAGRAM

MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
MORRILL MIDDLE SCHOOL
1970 MORRILL AVENUE, SAN JOSE, CA 95132
BERRYESSA UNION SCHOOL DISTRICT

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FA1.1



BID ALTERNATE CO DETECTION NOTE:
 AS PART OF BID ALTERNATE PRICING CONTRACTOR SHALL INCLUDE AT MIN. (1) SMOKE DETECTOR IN EACH CLASSROOM TO BE REPLACED WITH MULTI-CRITERIA SMOKE AND CARBON MONOXIDE DETECTOR; SEE FIRE ALARM EQUIPMENT LIST ON SHEET FA0.1 FOR MULTI-CRITERIA DETECTOR MANUFACTURER AND PART NUMBER.

FIRE RATED WALL LEGEND
 1-HOUR FIRE RATED WALL

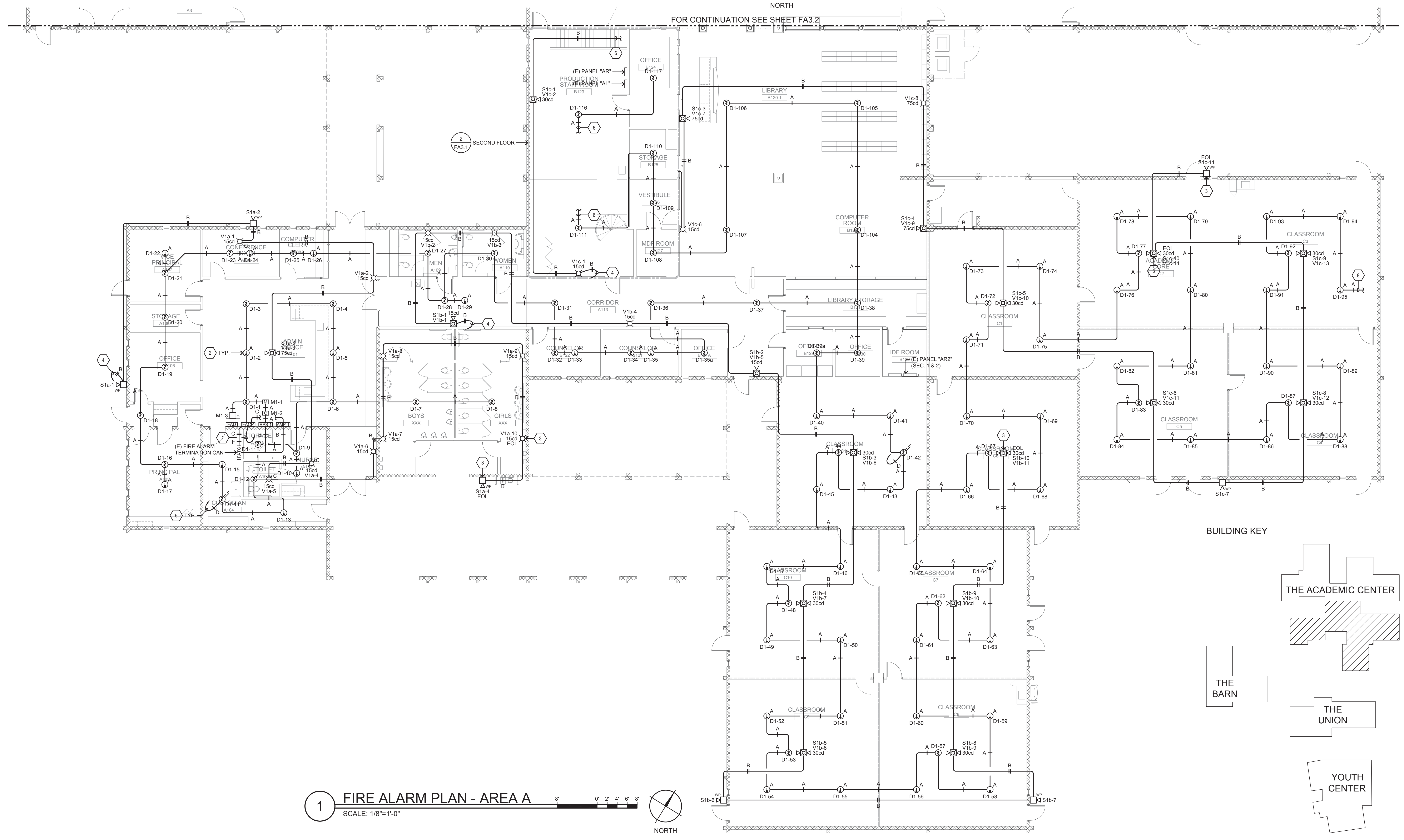
GENERAL NOTES:
 A. SEAL ALL EXTERIOR/INTERIOR BUILDING PENETRATIONS, CUT AND PATCH WALLS/CEILING FOR CONDUIT ROUTING AS NECESSARY. PAINT/FINISH EXPOSED CONDUITS/BOXES TO MATCH BUILDING FINISH. COORDINATE WITH DISTRICT & ARCHITECT FOR EXACT REQUIREMENTS.
 B. ALL INDOOR SPEAKERS/HORN SHALL BE 0.5 WATTS RATED MINIMUM. ALL OUTDOOR SPEAKERS/HORN SHALL BE 2 WATTS RATED MINIMUM.
 C. PROVIDE AND INSTALL JUNCTION BOXES AT EACH SIDE OF WALLS/CEILING PENETRATED FOR CONDUIT ROUTING AND AS REQUIRED TO NOT EXCEED MORE THAN 270" IN CONDUIT BENDS.

CABLE LEGEND
 TYPE A = DENOTES INITIATING DETECTION CIRCUITS (SMOKE DETECTOR, HEAT DETECTOR, ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) #14 TWISTED-UNSHIELDED PAIR. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.
 TYPE B = DENOTES NOTIFICATION APPLIANCE CIRCUITS (SPEAKERS, STROBES, BELL ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) PAIR OF #12 AWG. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.
 TYPE C = 6-STRAND 62.5 MICRON MULTI-MODE FIBER OPTIC CABLE, SUITABLE FOR UNDERGROUND USE.
 TYPE D = DENOTES 24VDC CONSTANT POWER CIRCUITS FOR DUCT SMOKE DETECTOR OR BEAM SMOKE DETECTOR, UNLESS OTHERWISE NOTED, PROVIDE (1) PAIR OF #12 AWG. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.
 TYPE F = DENOTES SBUS CABLE PER MANUFACTURER/6-STRAND MULTI-MODE FIBER OPTIC CABLE (SUITABLE FOR UNDERGROUND USE) FOR CONNECTION TO FIRE ALARM SUB-PANEL.

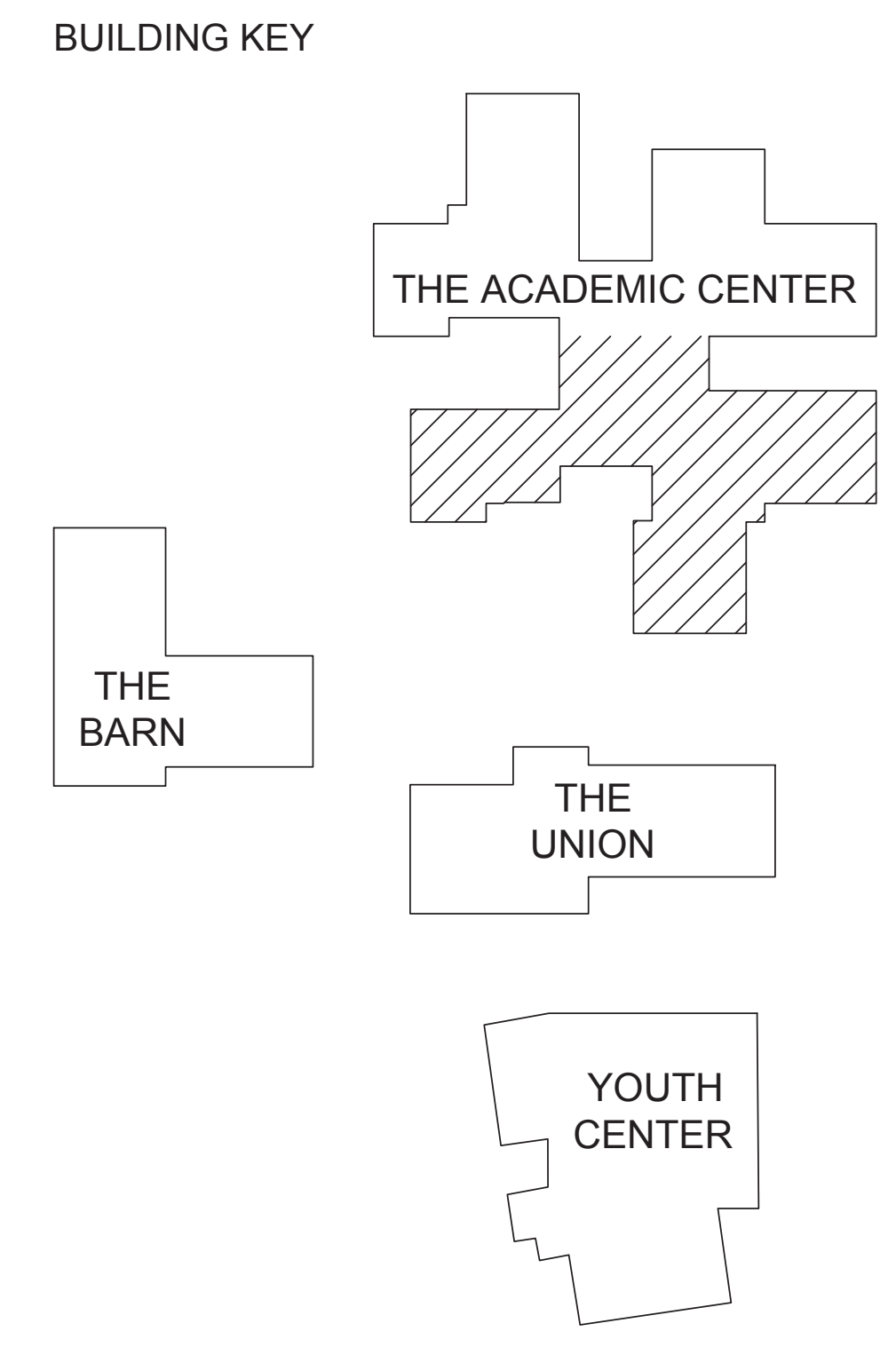
SHEET NOTES

- CIRCUIT VIA 1/2" C. 2 #12 & 1 #12 GND TO NEAREST ELECTRICAL PANEL; AT PANEL PROVIDE AND INSTALL 20 AMP, 1-POLE BREAKER WITH LOCK-ON DEVICE WITH RED MARKINGS LABELED "FIRE ALARMECS".
- WHERE NECESSARY PROVIDE & INSTALL ACCESS PANEL FOR HEAT DETECTOR ABOVE CEILING; 24" SQ. OPENING MINIMUM.
- PROVIDE AND INSTALL LAMICOID NAMEPLATE ON DEVICE READING "EOL".
- HOMERUN TO REMOTE POWER SUPPLY "RPS-1" AND DIGITAL AUDIO AMPLIFIER "AMP-1" LOCATED IN ADMIN. OFFICE A101.
- HOMERUN TO REMOTE POWER SUPPLY "RPS-1" LOCATED IN ADMIN. OFFICE A101.
- SEE 2/FA3.1 FOR CONTINUATION.
- SEE 1/FA3.1 FOR CONTINUATION.
- SEE SHEET E2.1 FOR CONTINUATION.

2 FIRE ALARM PLAN - 2ND FLOOR
 SCALE: 1/8"=1'-0"



1 FIRE ALARM PLAN - AREA A
 SCALE: 1/8"=1'-0"



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FIRE ALARM PLAN - THE ACADEMIC CENTER AREA & 2ND FLOOR
 MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
 MORRILL MIDDLE SCHOOL
 1970 MORRILL AVENUE, SAN JOSE, CA 95132
 BERRYESSA UNION SCHOOL DISTRICT

REVISIONS NO.	ITEM	DATE

DRAWN BY: FS
 CHECKED BY: NA
 SFA JOB NO: 21068
 DATE: 03/07/2022

FA3.1

BID ALTERNATE CO DETECTION NOTE:
 AS PART OF BID ALTERNATE PRICING CONTRACTOR SHALL INCLUDE AT MIN. (1) SMOKE DETECTOR IN EACH CLASSROOM TO BE REPLACED WITH MULTI-CRITERIA SMOKE AND CARBON MONOXIDE DETECTOR; SEE FIRE ALARM EQUIPMENT LIST ON SHEET FA0.1 FOR MULTI-CRITERIA DETECTOR MANUFACTURER AND PART NUMBER.

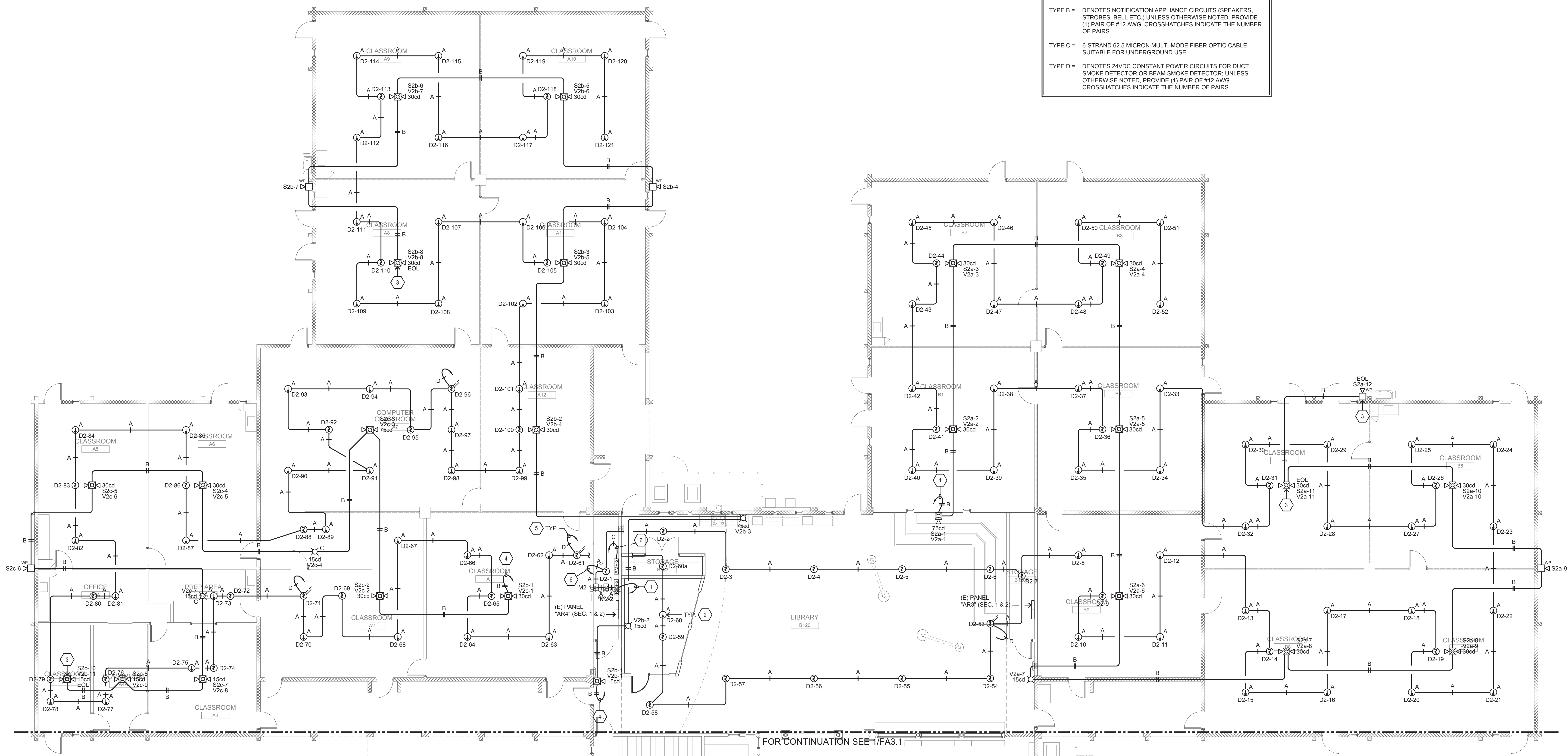
FIRE RATED WALL LEGEND
 1-HOUR FIRE RATED WALL

GENERAL NOTES:
 A. SEAL ALL EXTERIOR/INTERIOR BUILDING PENETRATIONS, CUT AND PATCH WALLS/CEILING FOR CONDUIT ROUTING AS NECESSARY. PAINT/FINISH EXPOSED CONDUITS/BOXES TO MATCH BUILDING FINISH. COORDINATE WITH DISTRICT & ARCHITECT FOR EXACT REQUIREMENTS.
 B. ALL INDOOR SPEAKERS/HORN SHALL BE 0.5 WATTS RATED MINIMUM. ALL OUTDOOR SPEAKERS/HORN SHALL BE 2 WATTS RATED MINIMUM.
 C. PROVIDE AND INSTALL JUNCTION BOXES AT EACH SIDE OF WALLS/CEILING PENETRATED FOR CONDUIT ROUTING AND AS REQUIRED TO NOT EXCEED MORE THAN 270" IN CONDUIT BENDS.

CABLE LEGEND
 TYPE A = DENOTES INITIATING DETECTION CIRCUITS (SMOKE DETECTOR, HEAT DETECTOR, ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) #14 TWISTED-UNSHIELDED PAIR. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.
 TYPE B = DENOTES NOTIFICATION APPLIANCE CIRCUITS (SPEAKERS, STROBES, BELL ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) PAIR OF #12 AWG. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.
 TYPE C = 6-STRAND 62.5 MICRON MULTI-MODE FIBER OPTIC CABLE, SUITABLE FOR UNDERGROUND USE.
 TYPE D = DENOTES 24VDC CONSTANT POWER CIRCUITS FOR DUCT SMOKE DETECTOR OR BEAM SMOKE DETECTOR, UNLESS OTHERWISE NOTED, PROVIDE (1) PAIR OF #12 AWG. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.

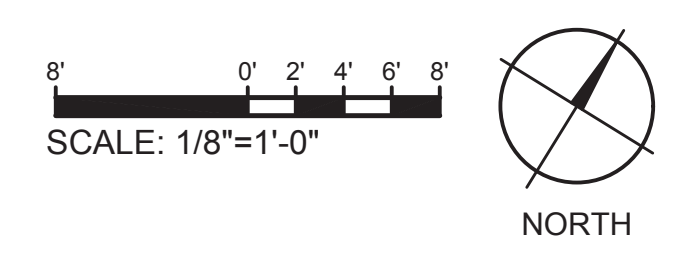
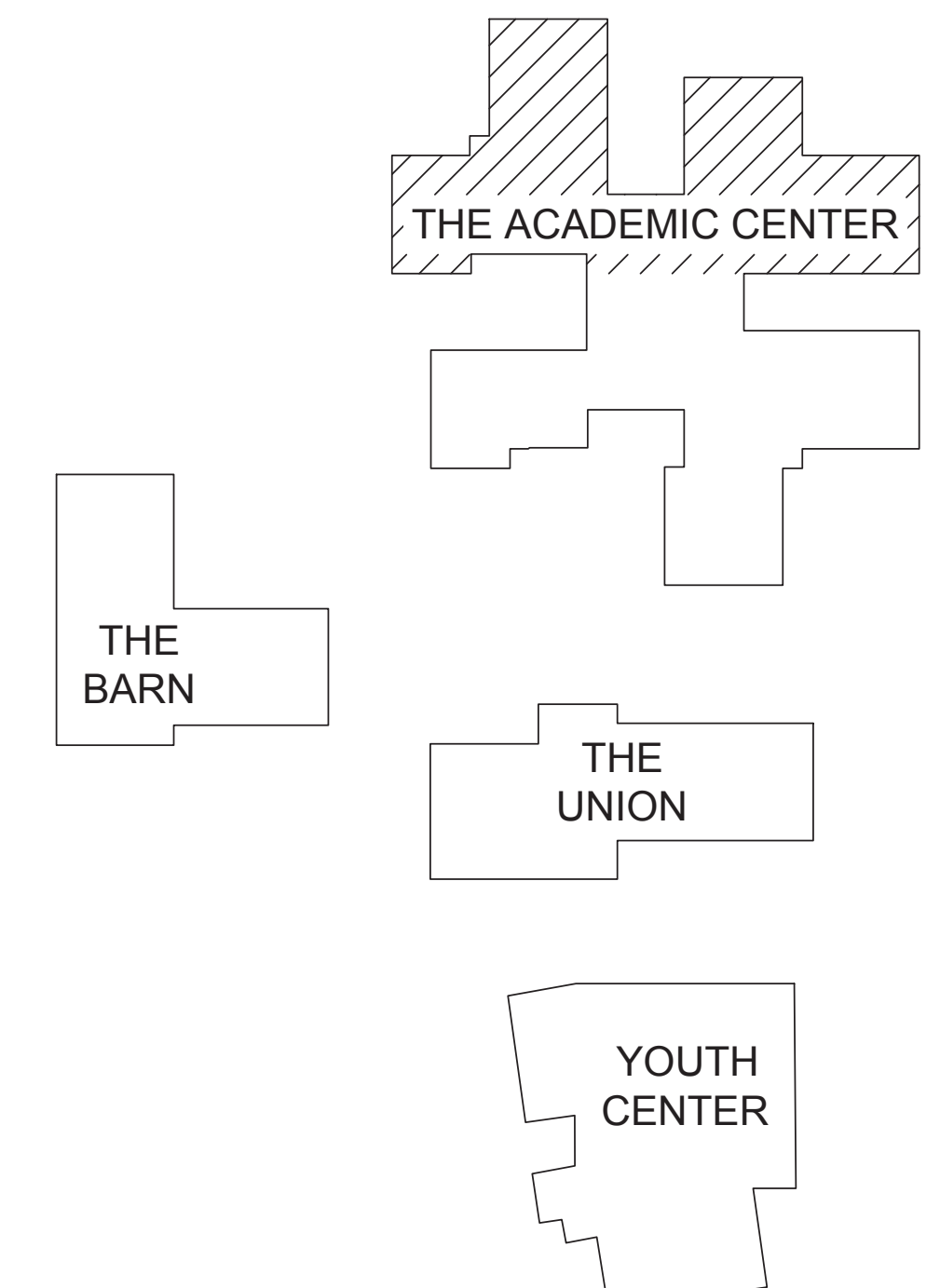
SHEET NOTES

- CIRCUIT VIA 1/2" & 1 #12 GND TO NEAREST ELECTRICAL PANEL; AT PANEL PROVIDE AND INSTALL 20 AMP, 1-POLE BREAKER WITH LOCK-ON DEVICE WITH RED MARKINGS LABELED "FIRE ALARMECS".
- WHERE NECESSARY PROVIDE & INSTALL ACCESS PANEL FOR HEAT DETECTOR ABOVE CEILING; 24" SQ. OPENING MINIMUM.
- PROVIDE AND INSTALL LAMICOID NAMEPLATE ON DEVICE READING "EOL".
- HOMERUN TO REMOTE POWER SUPPLY "RPS-2" AND DIGITAL AUDIO AMPLIFIER "AMP-2" LOCATED IN STORAGE B120A.
- HOMERUN TO REMOTE POWER SUPPLY "RPS-2" LOCATED IN STORAGE B120A.
- HOMERUN TO FIRE ALARM CONTROL PANEL "FACP" LOCATED IN ADMIN. OFFICE A101.



FOR CONTINUATION SEE 1/FA3.1

BUILDING KEY



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FIRE ALARM PLAN - THE ACADEMIC CENTER AREA B
 MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
 MORRILL MIDDLE SCHOOL
 1970 MORRILL AVENUE, SAN JOSE, CA 95132
 BERRYESSA UNION SCHOOL DISTRICT

NO.	ITEM	DATE

DRAWN BY: FS
 CHECKED BY: NA
 SFA JOB NO: 21068 DATE: 03/07/2022

FA3.2

BID ALTERNATE CO DETECTION NOTE:
 AS PART OF BID ALTERNATE PRICING CONTRACTOR SHALL INCLUDE AT MIN. (1) SMOKE DETECTOR IN EACH CLASSROOM TO BE REPLACED WITH MULTI-CRITERIA SMOKE AND CARBON MONOXIDE DETECTOR; SEE FIRE ALARM EQUIPMENT LIST ON SHEET FA0.1 FOR MULTI-CRITERIA DETECTOR MANUFACTURER AND PART NUMBER.

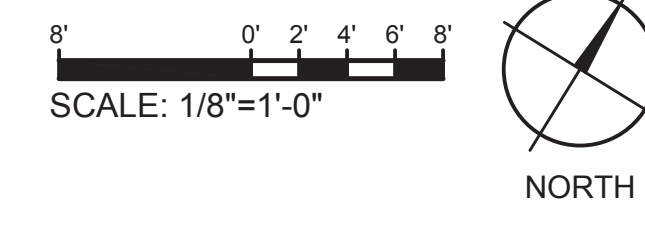
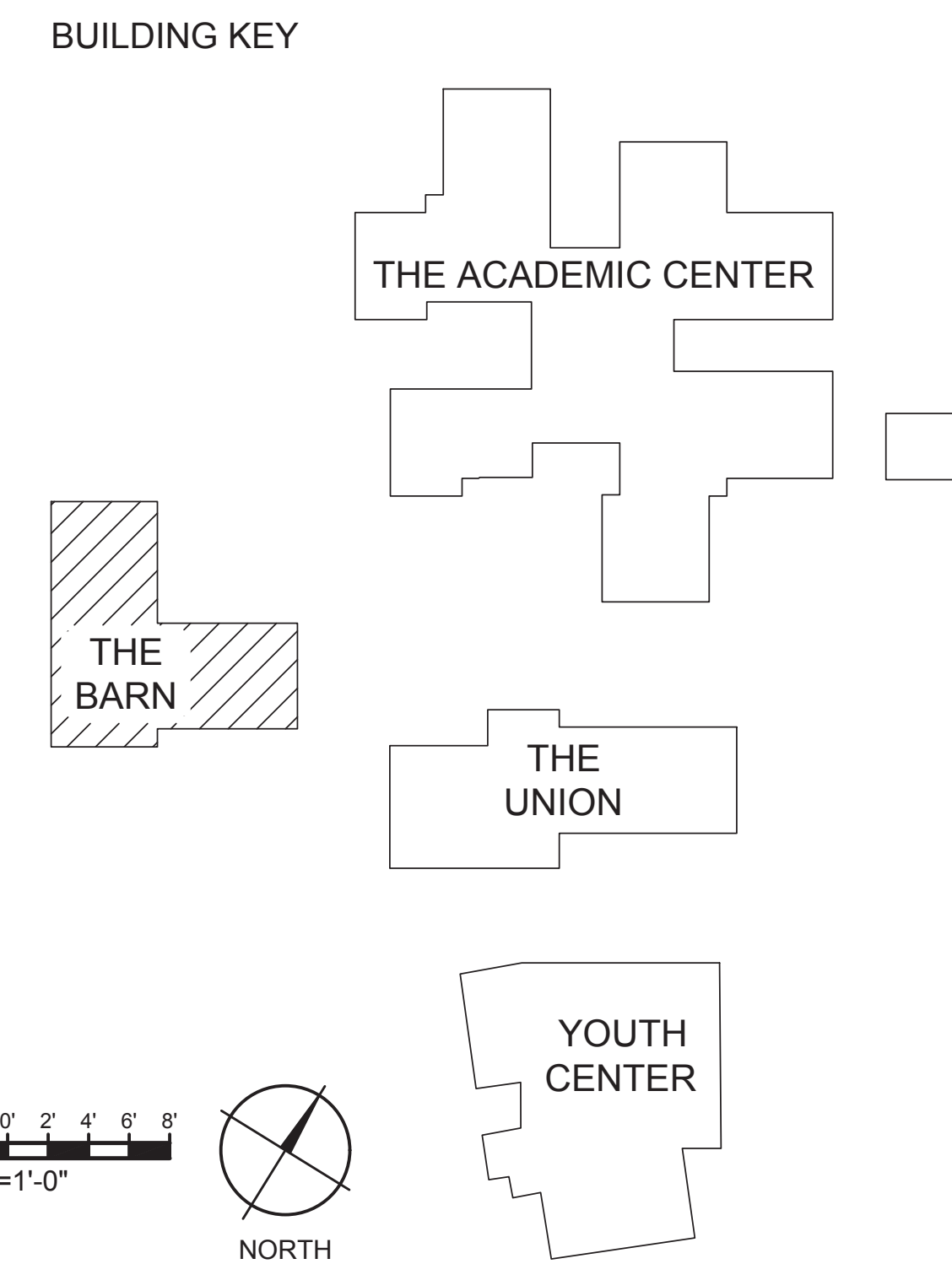
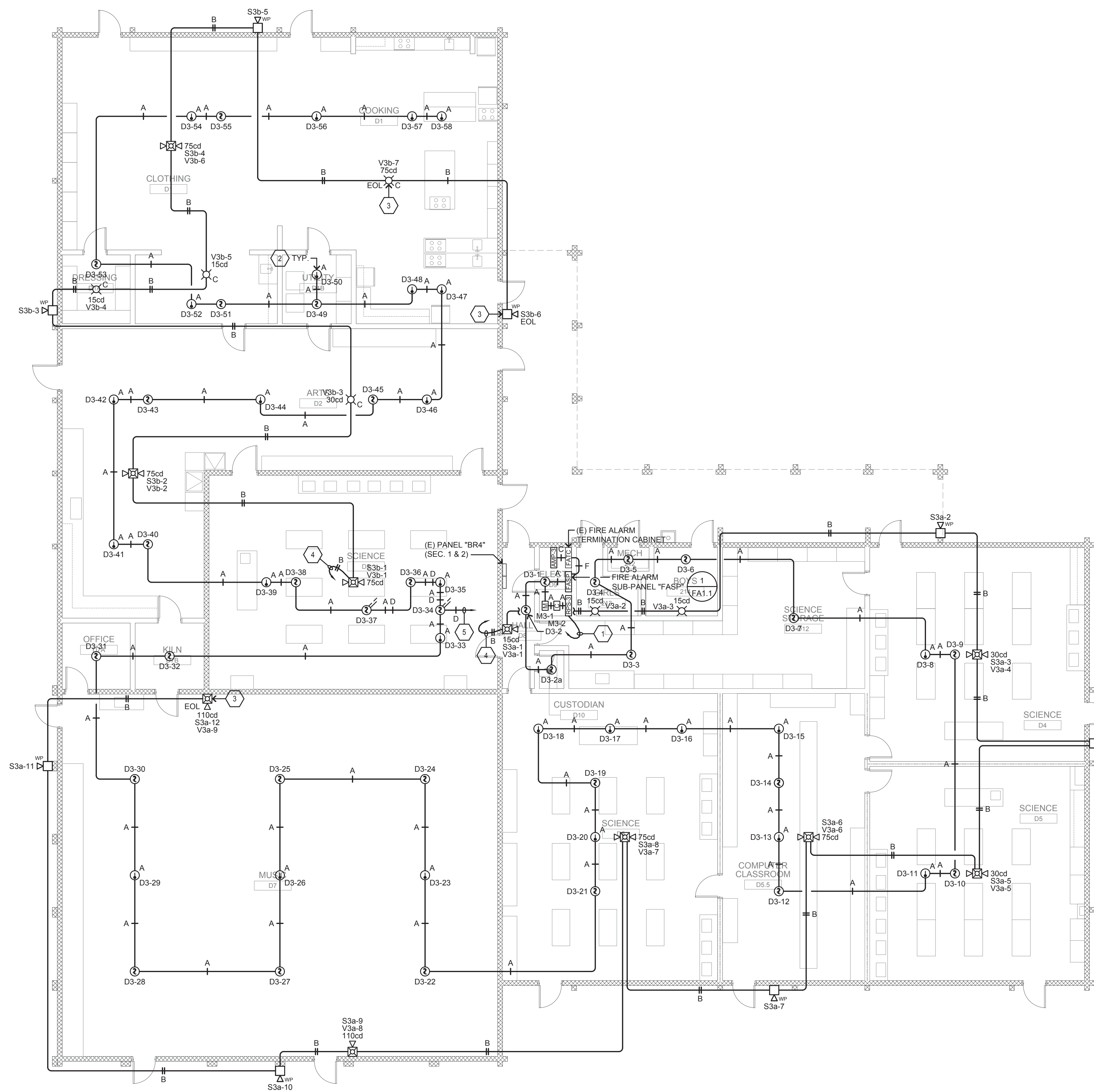
FIRE RATED WALL LEGEND
 1-HOUR FIRE RATED WALL

GENERAL NOTES:
 A. SEAL ALL EXTERIOR/INTERIOR BUILDING PENETRATIONS, CUT AND PATCH WALLS/CEILINGS FOR CONDUIT ROUTING AS NECESSARY. PAINT/FINISH EXPOSED CONDUITS/BOXES TO MATCH BUILDING FINISH. COORDINATE WITH DISTRICT & ARCHITECT FOR EXACT REQUIREMENTS.
 B. ALL INDOOR SPEAKERS/HORNS SHALL BE 0.5 WATTS RATED MINIMUM. ALL OUTDOOR SPEAKERS/HORNS SHALL BE 2 WATTS RATED MINIMUM.
 C. PROVIDE AND INSTALL JUNCTION BOXES AT EACH SIDE OF WALLS/CEILINGS PENETRATED FOR CONDUIT ROUTING AND AS REQUIRED TO NOT EXCEED MORE THAN 270° IN CONDUIT BENDS.

CABLE LEGEND
 TYPE A = DENOTES INITIATING DETECTION CIRCUITS (SMOKE DETECTOR, HEAT DETECTOR, ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) #14 TWISTED-UNSHIELDED PAIR. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.
 TYPE B = DENOTES NOTIFICATION APPLIANCE CIRCUITS (SPEAKERS, STROBES, BELL ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) PAIR OF #12 AWG. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.
 TYPE C = 6-STRAND 62.5 MICRON MULTI-MODE FIBER OPTIC CABLE, SUITABLE FOR UNDERGROUND USE.
 TYPE D = DENOTES 24VDC CONSTANT POWER CIRCUITS FOR DUCT SMOKE DETECTOR OR BEAM SMOKE DETECTOR, UNLESS OTHERWISE NOTED, PROVIDE (1) PAIR OF #12 AWG. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.

SHEET NOTES

- CIRCUIT VIA 1/2" C. 2 #12 & 1 #12 GND TO NEAREST ELECTRICAL PANEL; AT PANEL PROVIDE AND INSTALL 20 AMP, 1-POLE BREAKER WITH LOCK-ON DEVICE WITH RED MARKINGS LABELED "FIRE ALARMECS".
- WHERE NECESSARY PROVIDE & INSTALL ACCESS PANEL FOR HEAT DETECTOR ABOVE CEILING; 24" SQ. OPENING MINIMUM.
- PROVIDE AND INSTALL LAMICOID NAMEPLATE ON DEVICE READING "EOL".
- HOMERUN TO REMOTE POWER SUPPLY "RPS-3" AND DIGITAL AUDIO AMPLIFIER "AMP-3" LOCATED IN ELECTRICAL ROOM D9.
- HOMERUN TO REMOTE POWER SUPPLY "RPS-3" LOCATED IN ELECTRICAL ROOM D9.



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FIRE ALARM PLAN - THE BARN
 MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
 MORRILL MIDDLE SCHOOL
 1970 MORRILL AVENUE, SAN JOSE, CA 95132
 BERRYESSA UNION SCHOOL DISTRICT

REVISIONS NO.	ITEM	DATE

DRAWN BY: FS
 CHECKED BY: NA
 SFA JOB NO: 21068 DATE: 03/07/2022

FA3.3

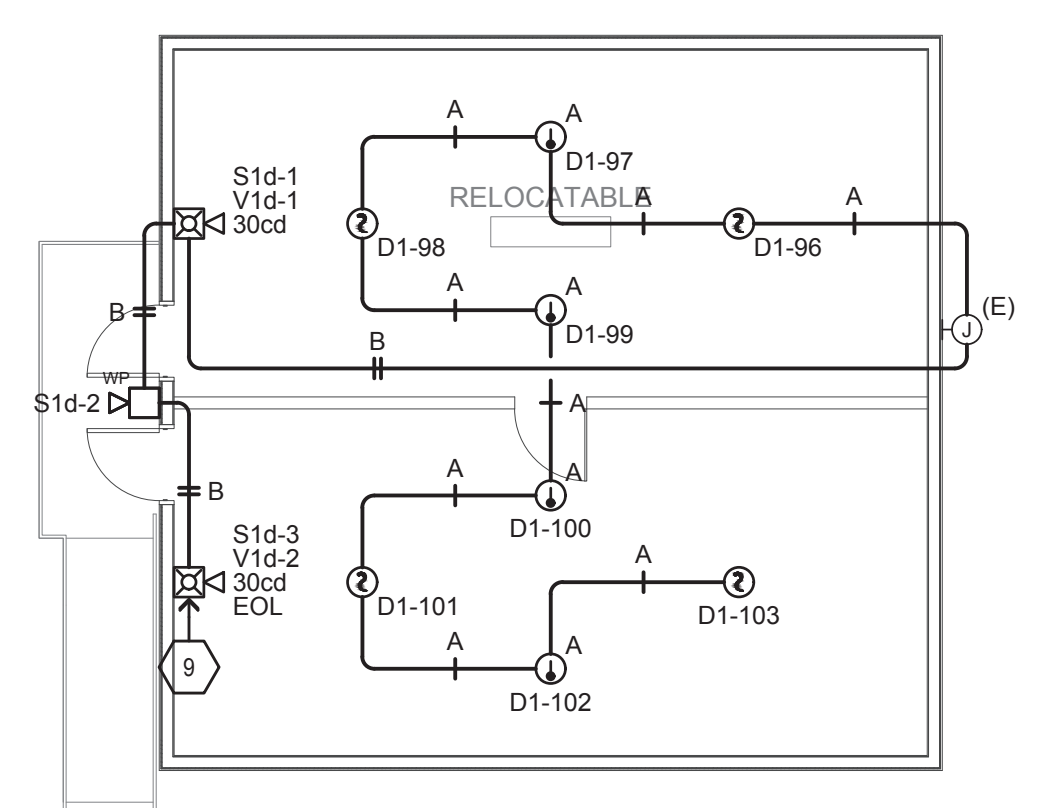
BID ALTERNATE CO DETECTION NOTE:
 AS PART OF BID ALTERNATE PRICING CONTRACTOR SHALL INCLUDE AT MIN. (1) SMOKE DETECTOR IN EACH CLASSROOM TO BE REPLACED WITH MULTI-CRITERIA SMOKE AND CARBON MONOXIDE DETECTOR; SEE FIRE ALARM EQUIPMENT LIST ON SHEET FA0.1 FOR MULTI-CRITERIA DETECTOR MANUFACTURER AND PART NUMBER.

FIRE RATED WALL LEGEND
 ——— 1-HOUR FIRE RATED WALL

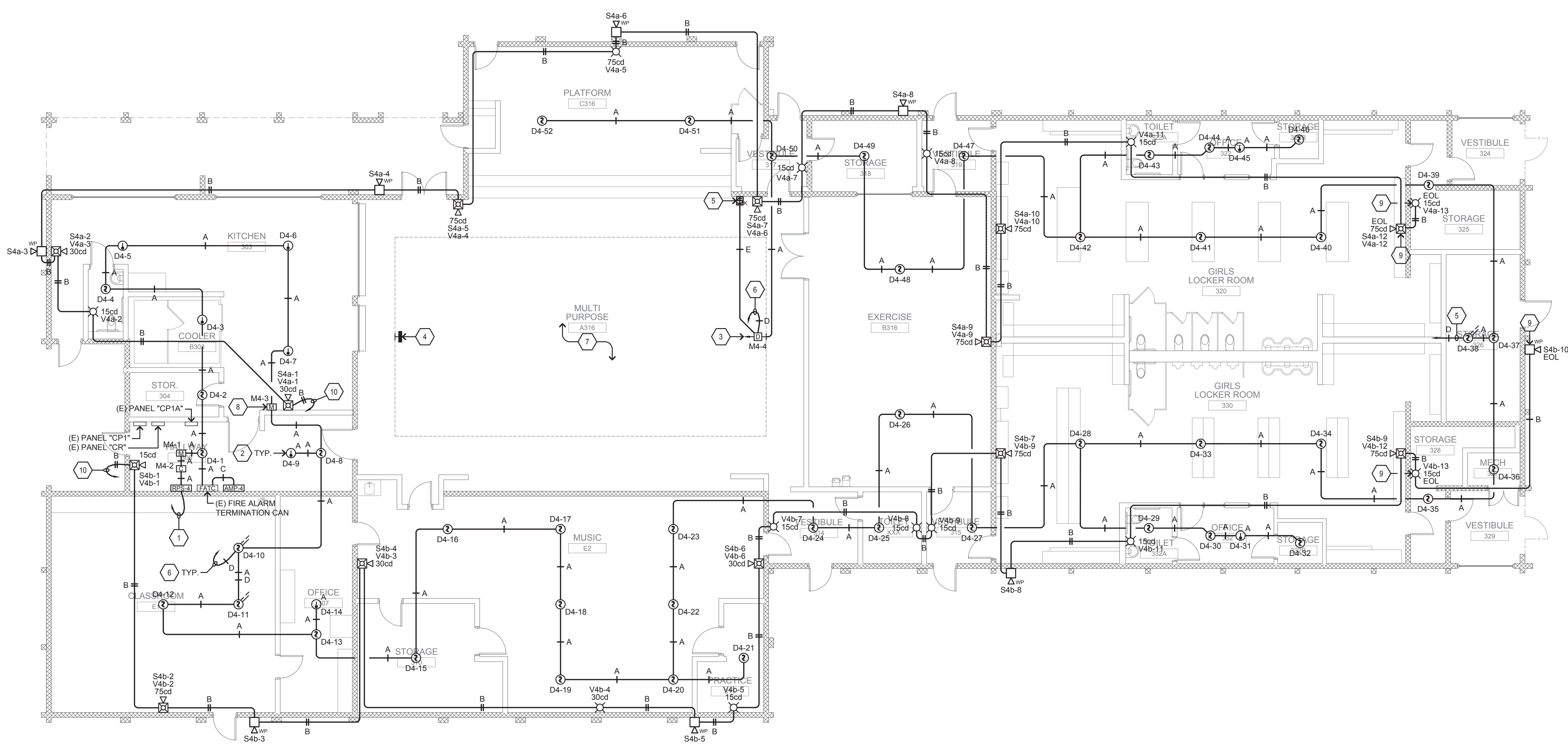
GENERAL NOTES:
 A. SEAL ALL EXTERIOR/INTERIOR BUILDING PENETRATIONS, CUT AND PATCH WALLS/CEILINGS FOR CONDUIT ROUTING AS NECESSARY. PAINT/FINISH EXPOSED CONDUITS/BOXES TO MATCH BUILDING FINISH. COORDINATE WITH DISTRICT & ARCHITECT FOR EXACT REQUIREMENTS.
 B. ALL INDOOR SPEAKERS/HORN SHALL BE 0.5 WATTS RATED MINIMUM. ALL OUTDOOR SPEAKERS/HORN SHALL BE 2 WATTS RATED MINIMUM.
 C. PROVIDE AND INSTALL JUNCTION BOXES AT EACH SIDE OF WALLS/CEILINGS PENETRATED FOR CONDUIT ROUTING AND AS REQUIRED TO NOT EXCEED MORE THAN 270° IN CONDUIT BENDS.

CABLE LEGEND
 TYPE A = DENOTES INITIATING DETECTION CIRCUITS (SMOKE DETECTOR, HEAT DETECTOR, ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) #14 TWISTED-UNSHIELDED PAIR. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.
 TYPE B = DENOTES NOTIFICATION APPLIANCE CIRCUITS (SPEAKERS, STROBES, BELL ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) PAIR OF #12 AWG. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.
 TYPE C = 6-STRAND 62.5 MICRON MULTI-MODE FIBER OPTIC CABLE, SUITABLE FOR UNDERGROUND USE.
 TYPE D = DENOTES 24VDC CONSTANT POWER CIRCUITS FOR DUCT SMOKE DETECTOR OR BEAM SMOKE DETECTOR, UNLESS OTHERWISE NOTED, PROVIDE (1) PAIR OF #12 AWG. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.
 TYPE E = DENOTES NOTIFICATION APPLIANCE CIRCUITS FOR BEAM SMOKE DETECTOR TEST SWITCH, UNLESS OTHERWISE NOTED, PROVIDE (1) PAIR OF #12 AWG. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.

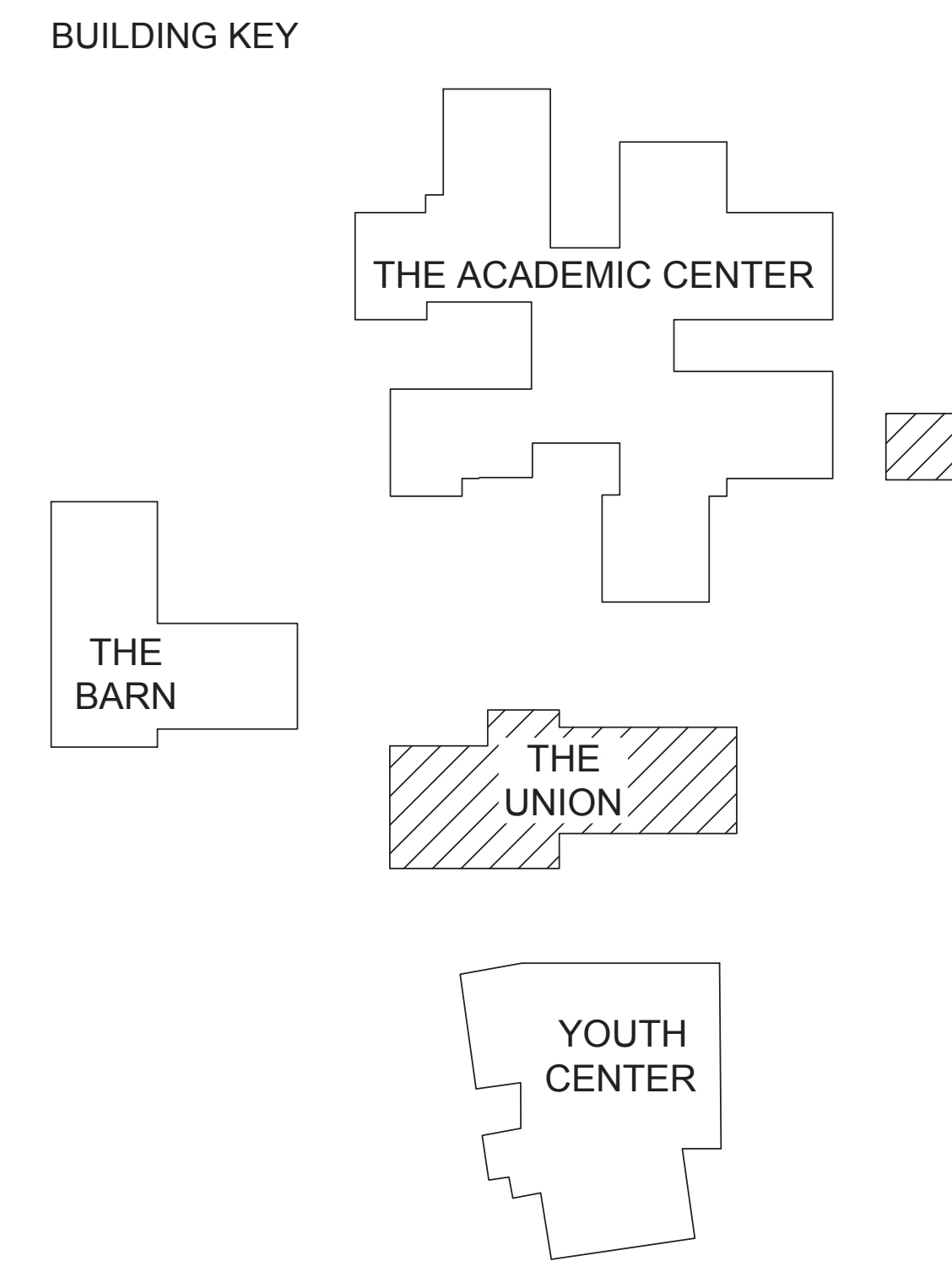
- SHEET NOTES**
- CIRCUIT VIA 1/2" 2 #12 & #12 GND TO NEAREST ELECTRICAL PANEL; AT PANEL PROVIDE AND INSTALL 20 AMP, 1-POLE BREAKER WITH LOCK-ON DEVICE WITH RED MARKINGS LABELED "FIRE ALARMECS".
 - WHERE NECESSARY PROVIDE & INSTALL ACCESS PANEL FOR HEAT DETECTOR ABOVE CEILING; 24" SQ. OPENING MINIMUM.
 - BEAM SMOKE DETECTOR TRANSMITTER; INSTALL WITH DIRECT LINE OF SIGHT OF REFLECTOR PLATE. MOUNT ON INSIDE WALL OF SOFFIT; FIELD VERIFY EXACT MOUNTING HEIGHT.
 - REFLECTOR PLATE; INSTALL WITH DIRECT LINE OF SIGHT OF TRANSMITTER; MOUNT ON INSIDE WALL OF SOFFIT; FIELD VERIFY EXACT MOUNTING HEIGHT.
 - PROJECTED BEAM DETECTOR REMOTE TEST STATION WITH KEYLOCK; CONNECT PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. MOUNT AT +44" A.F.F. TO TOP OF BOS; VERIFY EXACT LOCATION WITH ARCHITECT.
 - HOMERUN TO REMOTE POWER SUPPLY "RPS-4" LOCATED IN HALLWAY 306.
 - PROVIDE AND INSTALL CSFM LISTED WIREGUARD FOR ALL DEVICES IN MULTI-USE ROOM.
 - LOCATE FOR ANSUL SYSTEM MONITORING.
 - PROVIDE AND INSTALL LAMICOD NAMEPLATE ON DEVICE READING "EOL".
 - HOMERUN TO REMOTE POWER SUPPLY "RPS-4" AND DIGITAL AUDIO AMPLIFIER "AMP-4" LOCATED IN HALLWAY 306.



2 FIRE ALARM PLAN - RELOCATABLE CLASSROOMS
 SCALE: 1/8"=1'-0"
 NORTH



1 FIRE ALARM PLAN - THE UNION
 SCALE: 1/8"=1'-0"
 NORTH



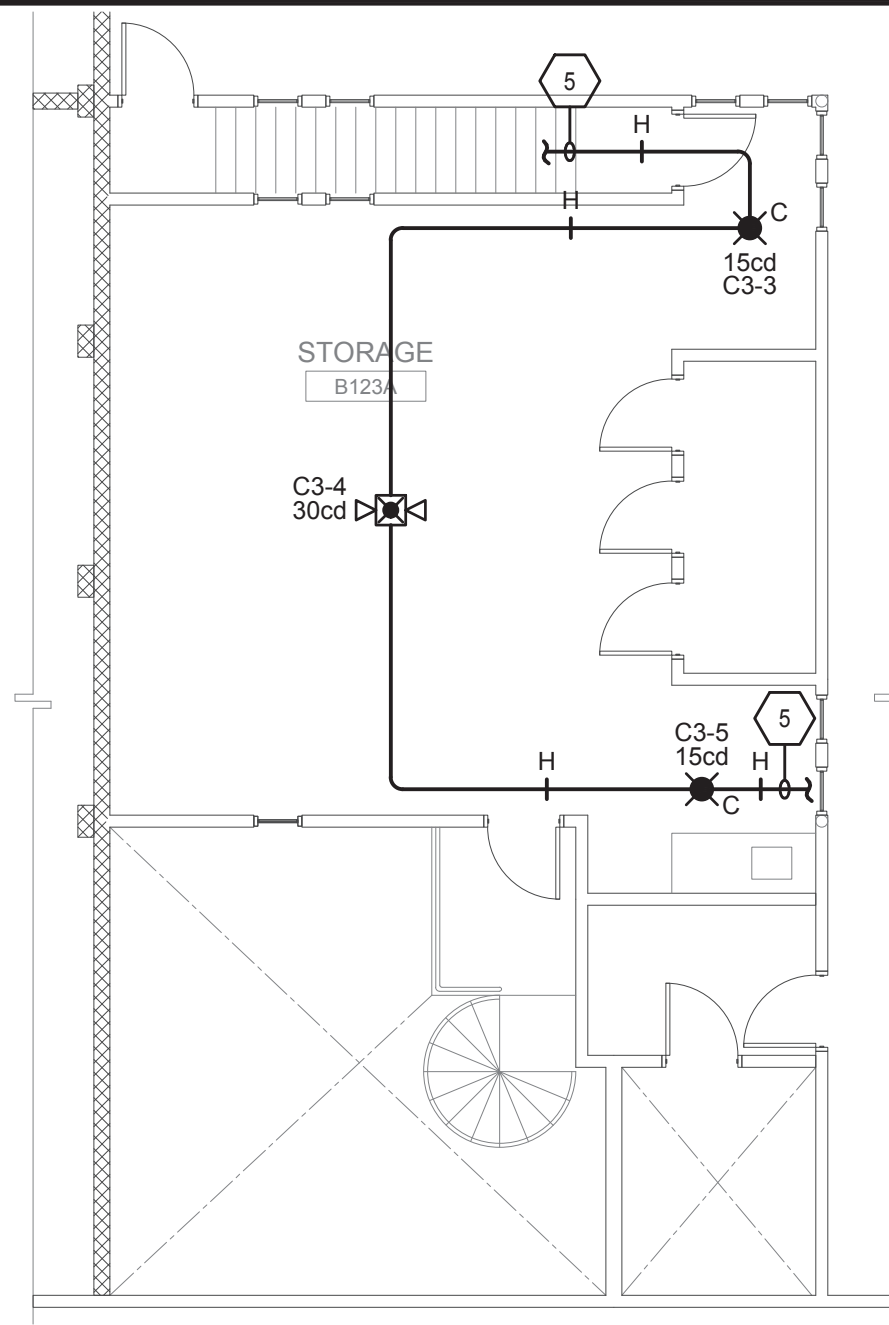
AURUM CONSULTING ENGINEERS
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FIRE ALARM PLAN - THE UNION & RELOCATABLE CLASSROOMS
 MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
 MORRILL MIDDLE SCHOOL
 1970 MORRILL AVENUE, SAN JOSE, CA 95132
 BERRYESSA UNION SCHOOL DISTRICT

NO.	ITEM	DATE

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 CHECKED BY: NA
 SFA JOB NO: 21068 DATE: 03/07/2022
FA3.4



GENERAL NOTES:

A. SEAL ALL EXTERIOR/INTERIOR BUILDING PENETRATIONS, CUT AND PATCH WALLS/CEILINGS FOR CONDUIT ROUTING AS NECESSARY. PAINT/FINISH EXPOSED CONDUITS/BOXES TO MATCH BUILDING FINISH. COORDINATE WITH DISTRICT & ARCHITECT FOR EXACT REQUIREMENTS.

B. ALL INDOOR SPEAKERS/HORNS SHALL BE 0.5 WATTS RATED MINIMUM. ALL OUTDOOR SPEAKERS/HORNS SHALL BE 2 WATTS RATED MINIMUM.

CABLE LEGEND

TYPE A = DENOTES INITIATING DETECTION CIRCUITS (SMOKE DETECTOR, HEAT DETECTOR, ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) #14 TWISTED-UNSHIELDED PAIR. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.

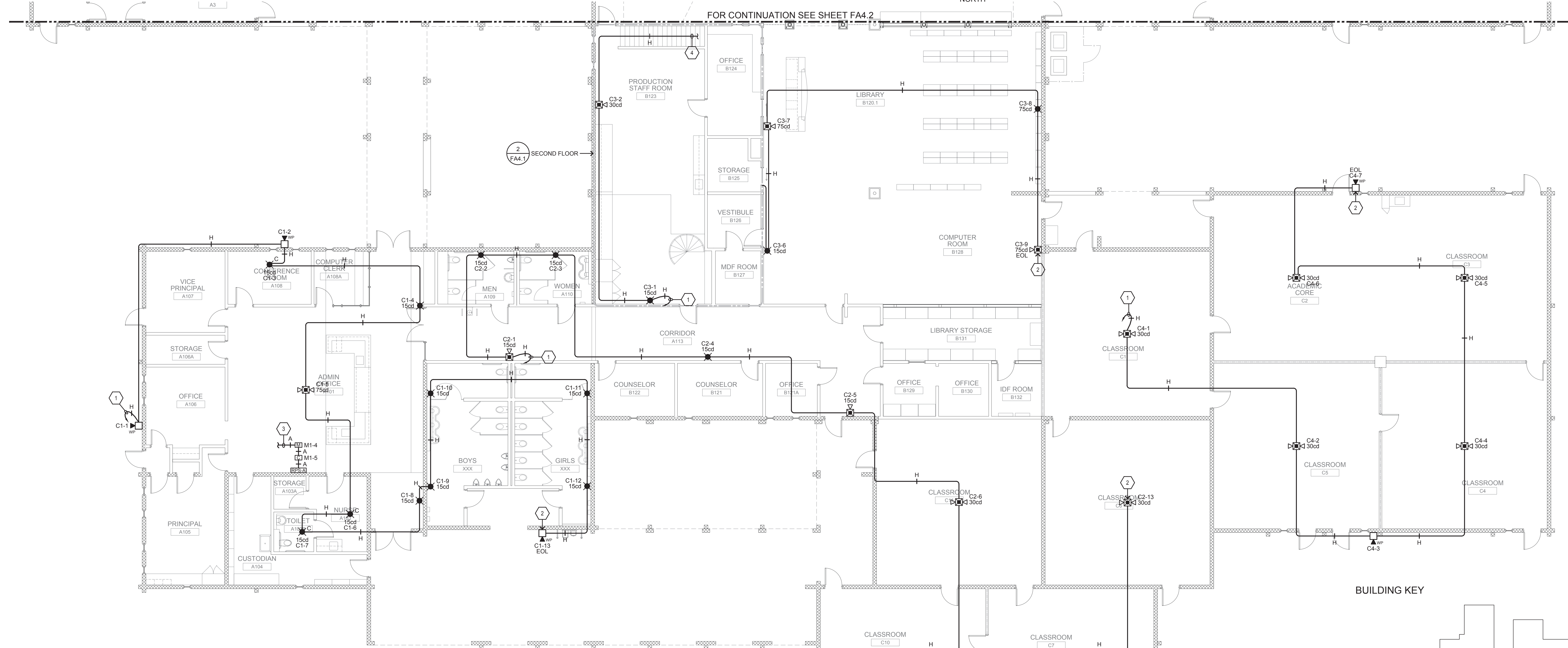
TYPE H = DENOTES CARBON MONOXIDE NOTIFICATION APPLIANCE CIRCUITS (HORN, STROBES, BELL ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) PAIR OF #12 AWG. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.

SHEET NOTES

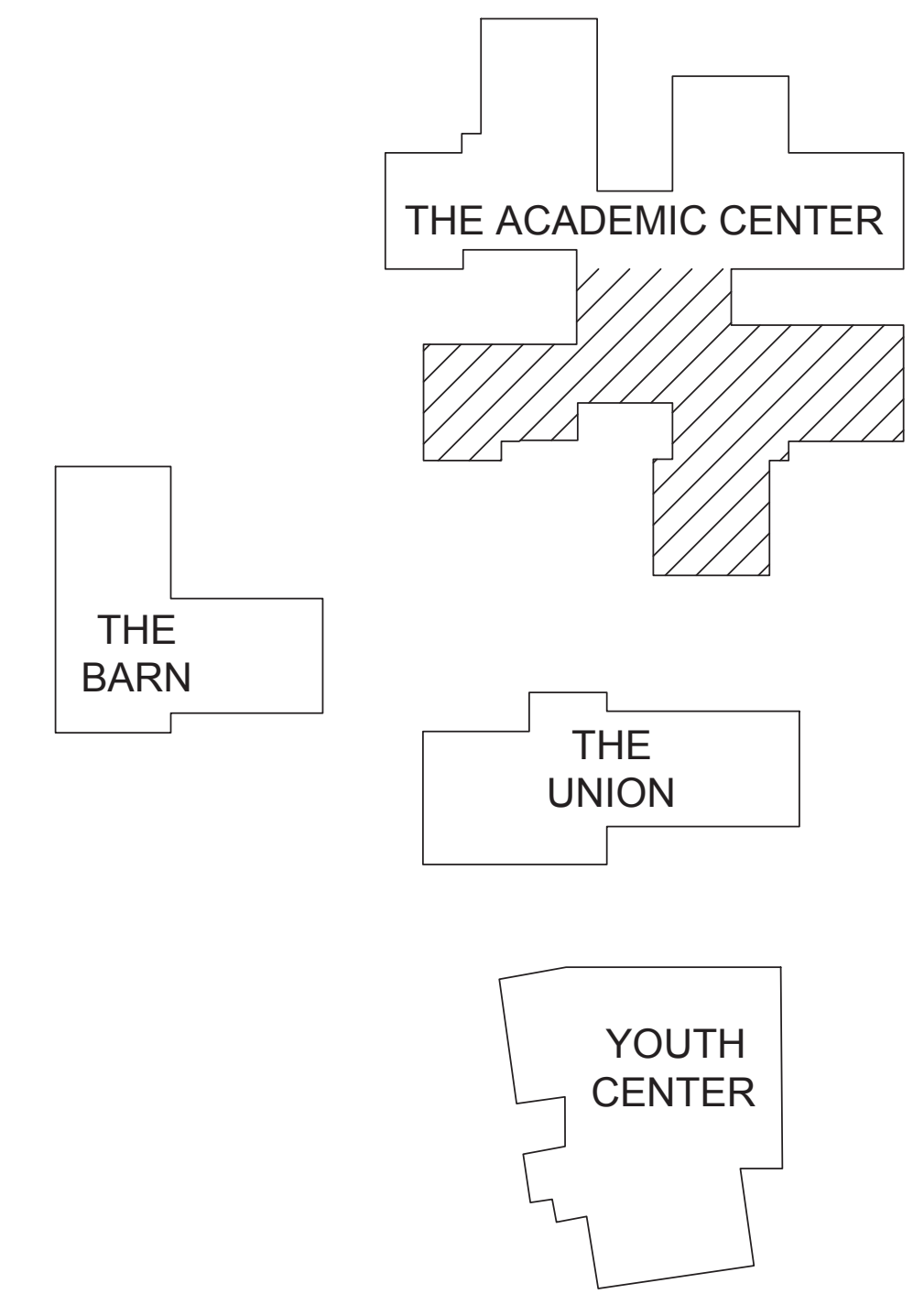
- HOMERUN TO REMOTE POWER SUPPLY "RPS-A" LOCATED IN ADMIN. OFFICE A101.
- PROVIDE AND INSTALL LAMICOID NAMEPLATE ON DEVICE READING "EOL".
- SEE 1/FA3.1 FOR CONTINUATION.
- SEE 2/FA4.1 FOR CONTINUATION.
- SEE 1/FA4.1 FOR CONTINUATION.

BID ALTERNATE

2 CO NOTIFICATION PLAN - 2ND FLOOR
SCALE: 1/8"=1'-0"



BUILDING KEY



1 CO NOTIFICATION PLAN - AREA A
SCALE: 1/8"=1'-0"



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CO NOTIFICATION PLAN - THE ACADEMIC CENTER AREA A & 2ND FLOOR
MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
MORRILL MIDDLE SCHOOL
1970 MORRILL AVENUE, SAN JOSE, CA 95132
BERRYESSA UNION SCHOOL DISTRICT

REVISIONS NO.	ITEM	DATE

DRAWN BY: FS
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SFA JOB NO: 21068
DATE: 03/07/2022

FA4.1

GENERAL NOTES:

A. SEAL ALL EXTERIOR/INTERIOR BUILDING PENETRATIONS, CUT AND PATCH WALLS/CEILINGS FOR CONDUIT ROUTING AS NECESSARY. PAINT/FINISH EXPOSED CONDUITS/BOXES TO MATCH BUILDING FINISH. COORDINATE WITH DISTRICT & ARCHITECT FOR EXACT REQUIREMENTS.

B. ALL INDOOR SPEAKERS/HORNS SHALL BE 0.5 WATTS RATED MINIMUM. ALL OUTDOOR SPEAKERS/HORNS SHALL BE 2 WATTS RATED MINIMUM.

CABLE LEGEND

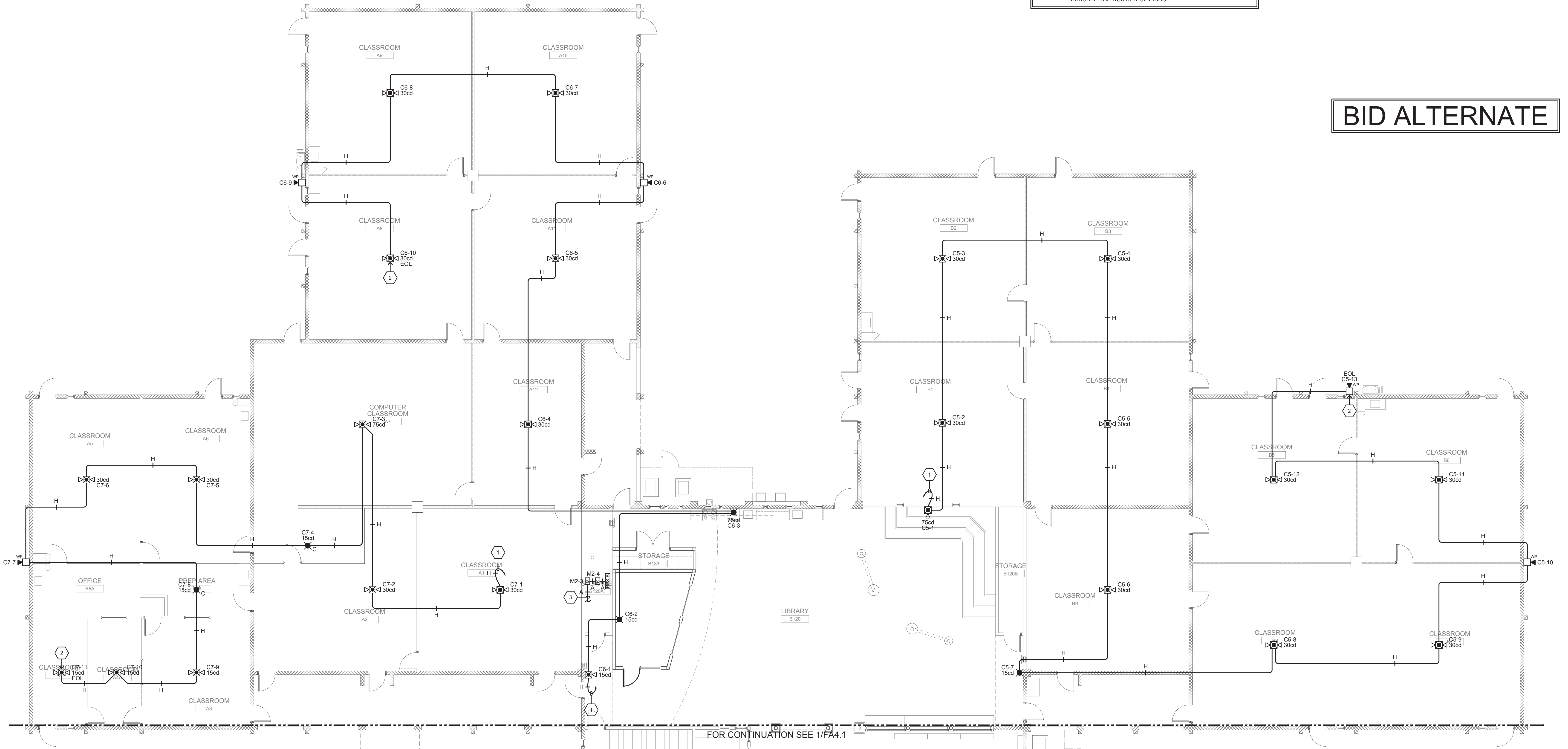
TYPE A = DENOTES INITIATING DETECTION CIRCUITS (SMOKE DETECTOR, HEAT DETECTOR, ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) #14 TWISTED-UNSHIELDED PAIR. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.

TYPE H = DENOTES CARBON MONOXIDE NOTIFICATION APPLIANCE CIRCUITS (HORN, STROBES, BELL ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) PAIR OF #12 AWG. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.

SHEET NOTES

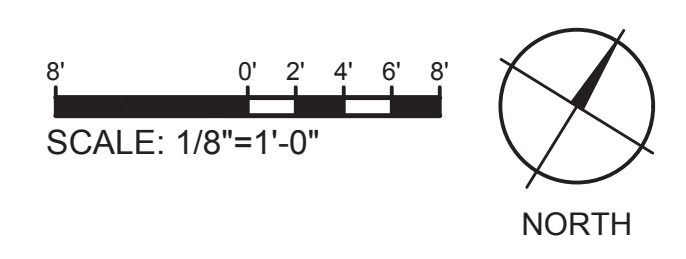
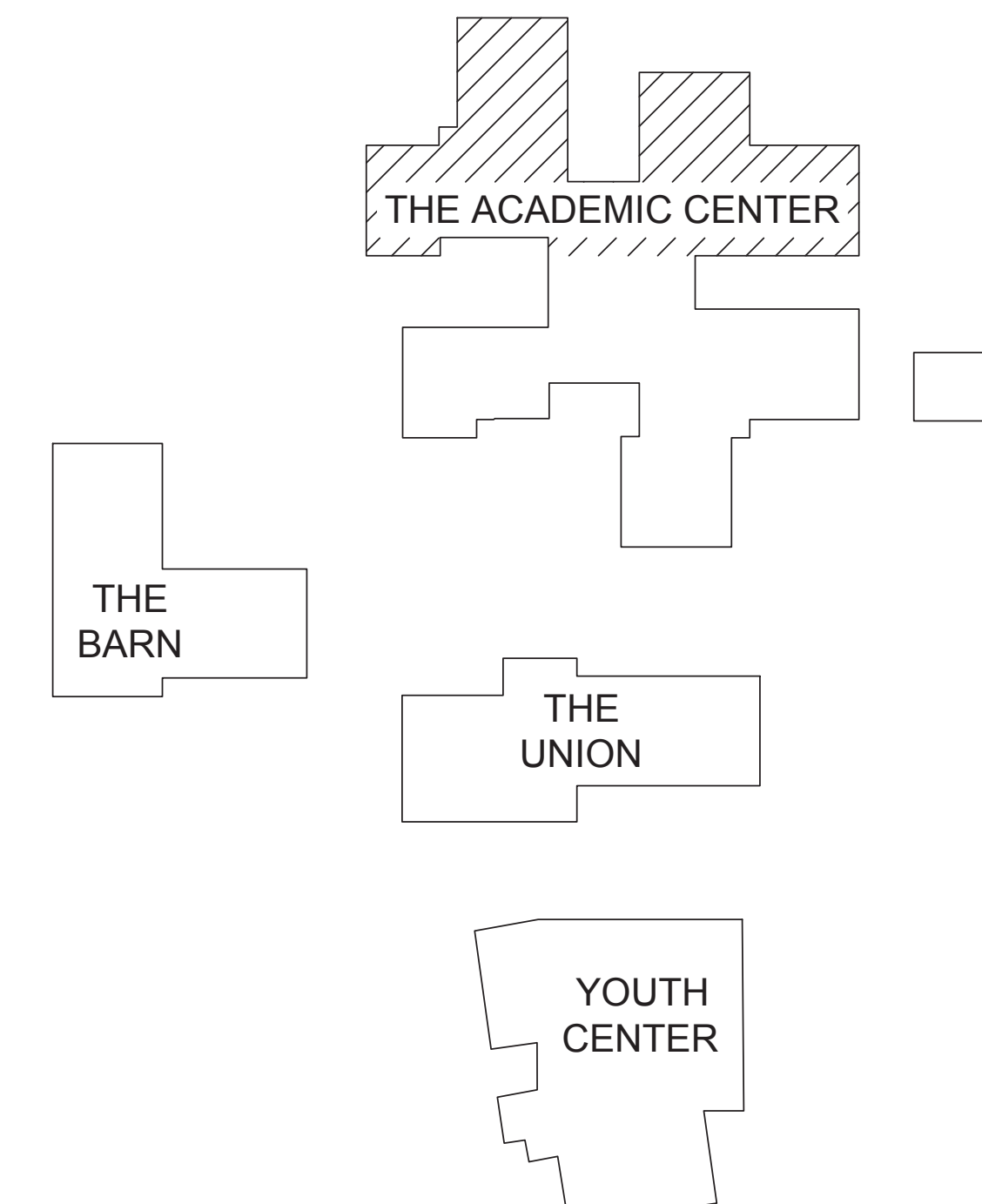
- HOMERUN TO REMOTE POWER SUPPLY "RPS-B" LOCATED IN STORAGE B120A.
- PROVIDE AND INSTALL LAMICOID NAMEPLATE ON DEVICE READING "EOL".
- SEE SHEET FA3.2 FOR CONTINUATION.

BID ALTERNATE



FOR CONTINUATION SEE 1/FA4.1

BUILDING KEY



(ISA STAMP AREA)

SUGIMURA FINNEY ARCHITECTS
SFA
 ARCHITECTURE INTERIORS PLANNING
 2125 SOUTH EASCOM AVE.
 SUITE 204
 CAMPBELL, CA 95008
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CO NOTIFICATION PLAN - THE ACADEMIC CENTER AREA B

MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
 MORRILL MIDDLE SCHOOL
 1970 MORRILL AVENUE, SAN JOSE, CA 95132
 BERRYESSA UNION SCHOOL DISTRICT

REVISIONS NO.	ITEM	DATE

DRAWN BY: FS
 CHECKED BY: NA
 SFA JOB NO: 21068 DATE: 03/07/2022

FA4.2

GENERAL NOTES:

A. SEAL ALL EXTERIOR/INTERIOR BUILDING PENETRATIONS, CUT AND PATCH WALLS/CEILINGS FOR CONDUIT ROUTING AS NECESSARY. PAINT/FINISH EXPOSED CONDUITS/BOXES TO MATCH BUILDING FINISH. COORDINATE WITH DISTRICT & ARCHITECT FOR EXACT REQUIREMENTS.

B. ALL INDOOR SPEAKERS/HORNS SHALL BE 0.5 WATTS RATED MINIMUM. ALL OUTDOOR SPEAKERS/HORNS SHALL BE 2 WATTS RATED MINIMUM.

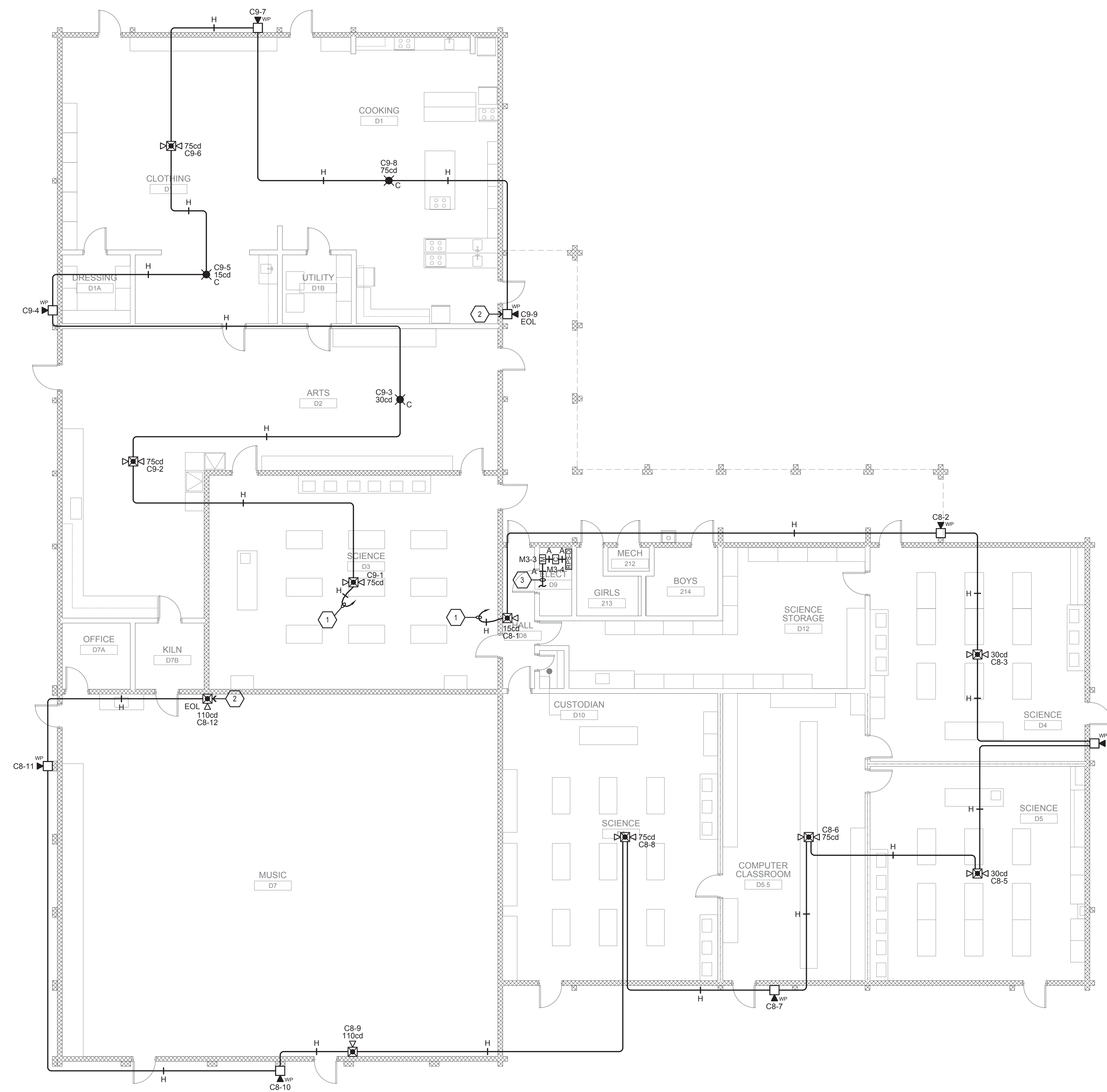
CABLE LEGEND

TYPE A = DENOTES INITIATING DETECTION CIRCUITS (SMOKE DETECTOR, HEAT DETECTOR, ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) #14 TWISTED-UNSHIELDED PAIR. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.

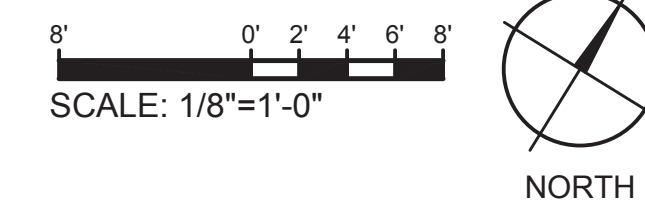
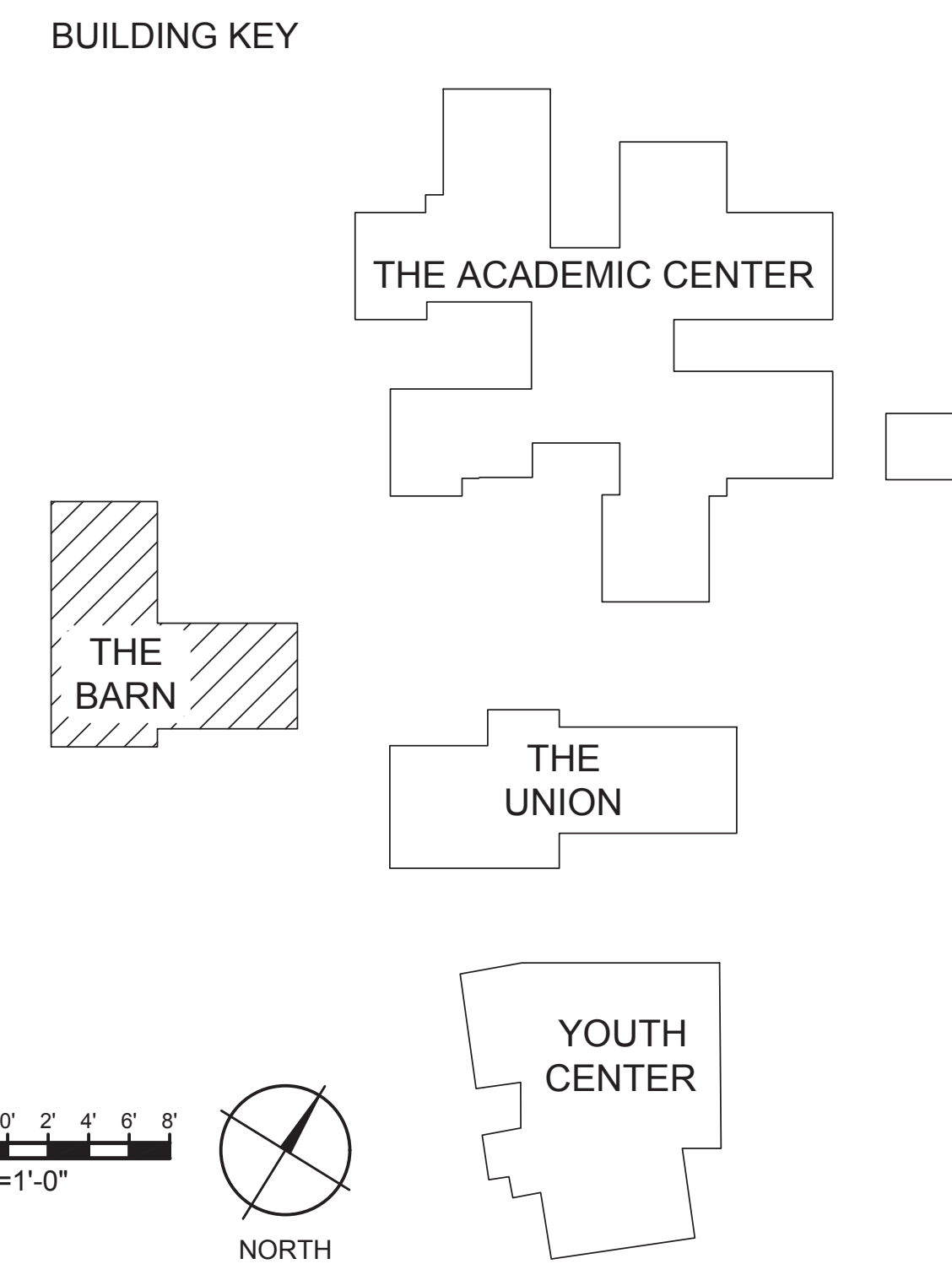
TYPE H = DENOTES CARBON MONOXIDE NOTIFICATION APPLIANCE CIRCUITS (HORN, STROBES, BELL ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) PAIR OF #12 AWG. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.

SHEET NOTES

- HOMERUN TO REMOTE POWER SUPPLY "RPS-C" LOCATED IN ELECTRICAL ROOM D9.
- PROVIDE AND INSTALL LAMICOID NAMEPLATE ON DEVICE READING "EOL".
- SEE SHEET FA3.3 FOR CONTINUATION.



BID ALTERNATE



(DSA STAMP AREA)

SUGIMURA FINNEY ARCHITECTS
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 ARCHITECTURE INTERIORS PLANNING
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 CAMPBELL, CA 95008
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CO NOTIFICATION PLAN - THE BARN

MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
 MORRILL MIDDLE SCHOOL
 1970 MORRILL AVENUE, SAN JOSE, CA 95132
 BERRYESSA UNION SCHOOL DISTRICT

REVISIONS NO.	ITEM	DATE

DRAWN BY: FS
 CHECKED BY: NA
 SFA JOB NO: 21068
 DATE: 03/07/2022

FA4.3

GENERAL NOTES:

A. SEAL ALL EXTERIOR/INTERIOR BUILDING PENETRATIONS, CUT AND PATCH WALLS/CEILINGS FOR CONDUIT ROUTING AS NECESSARY. PAINT/FINISH EXPOSED CONDUITS/BOXES TO MATCH BUILDING FINISH. COORDINATE WITH DISTRICT & ARCHITECT FOR EXACT REQUIREMENTS.

B. ALL INDOOR SPEAKERS/HORNS SHALL BE 0.5 WATTS RATED MINIMUM. ALL OUTDOOR SPEAKERS/HORNS SHALL BE 2 WATTS RATED MINIMUM.

CABLE LEGEND

TYPE A = DENOTES INITIATING DETECTION CIRCUITS (SMOKE DETECTOR, HEAT DETECTOR, ETC.) UNLESS OTHERWISE NOTED, PROVIDE (1) #14 TWISTED-UNSHIELDED PAIR. CROSSHATCHES INDICATE THE NUMBER OF PAIRS.

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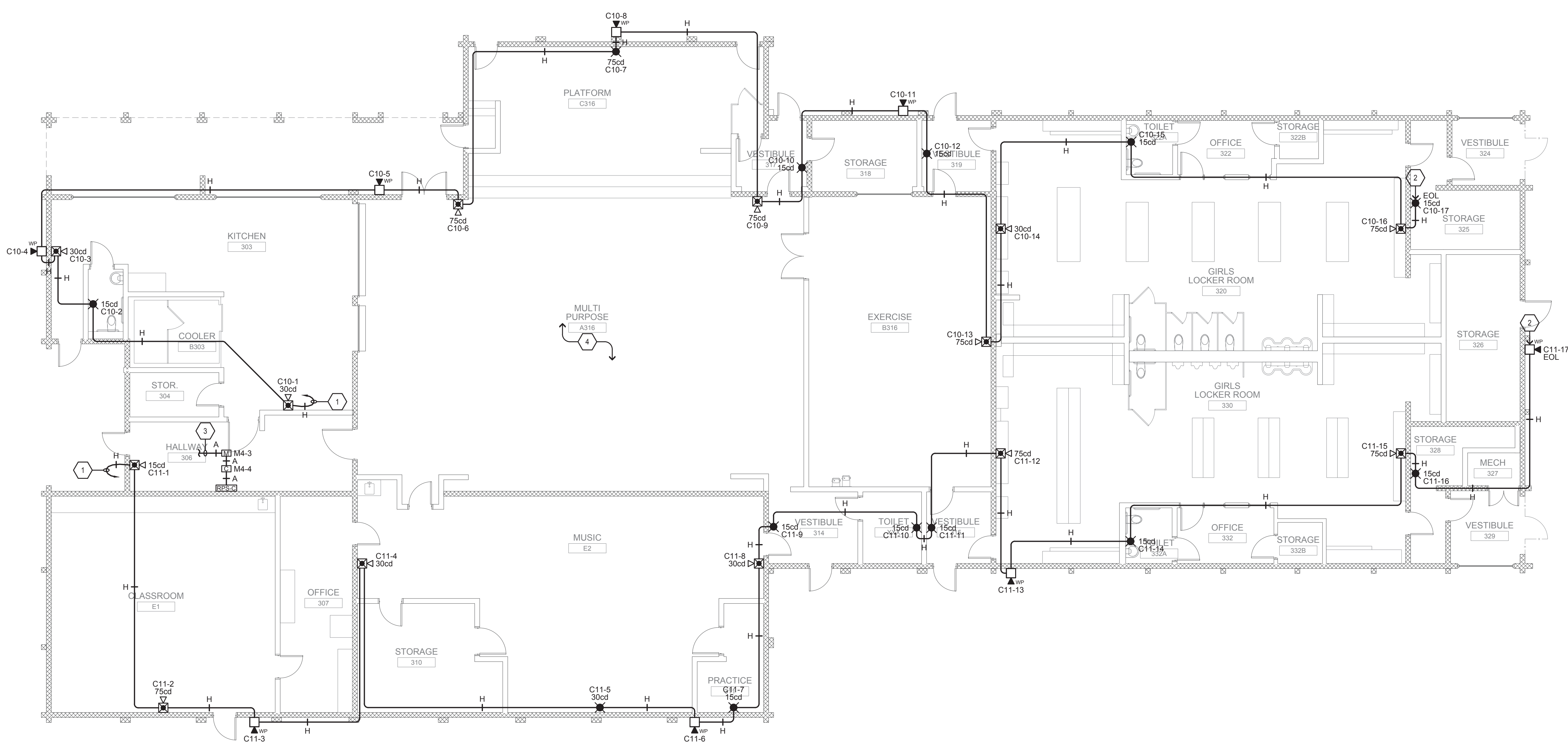
SHEET NOTES

- HOMERUN TO REMOTE POWER SUPPLY "RPS-A" LOCATED IN ADMIN. OFFICE A101.
- PROVIDE AND INSTALL LAMICOID NAMEPLATE ON DEVICE READING "EOL".
- SEE 1/FA3.4 FOR CONTINUATION.
- PROVIDE AND INSTALL CSFM LISTED WIREGUARD FOR ALL DEVICES IN MULTI-USE ROOM.

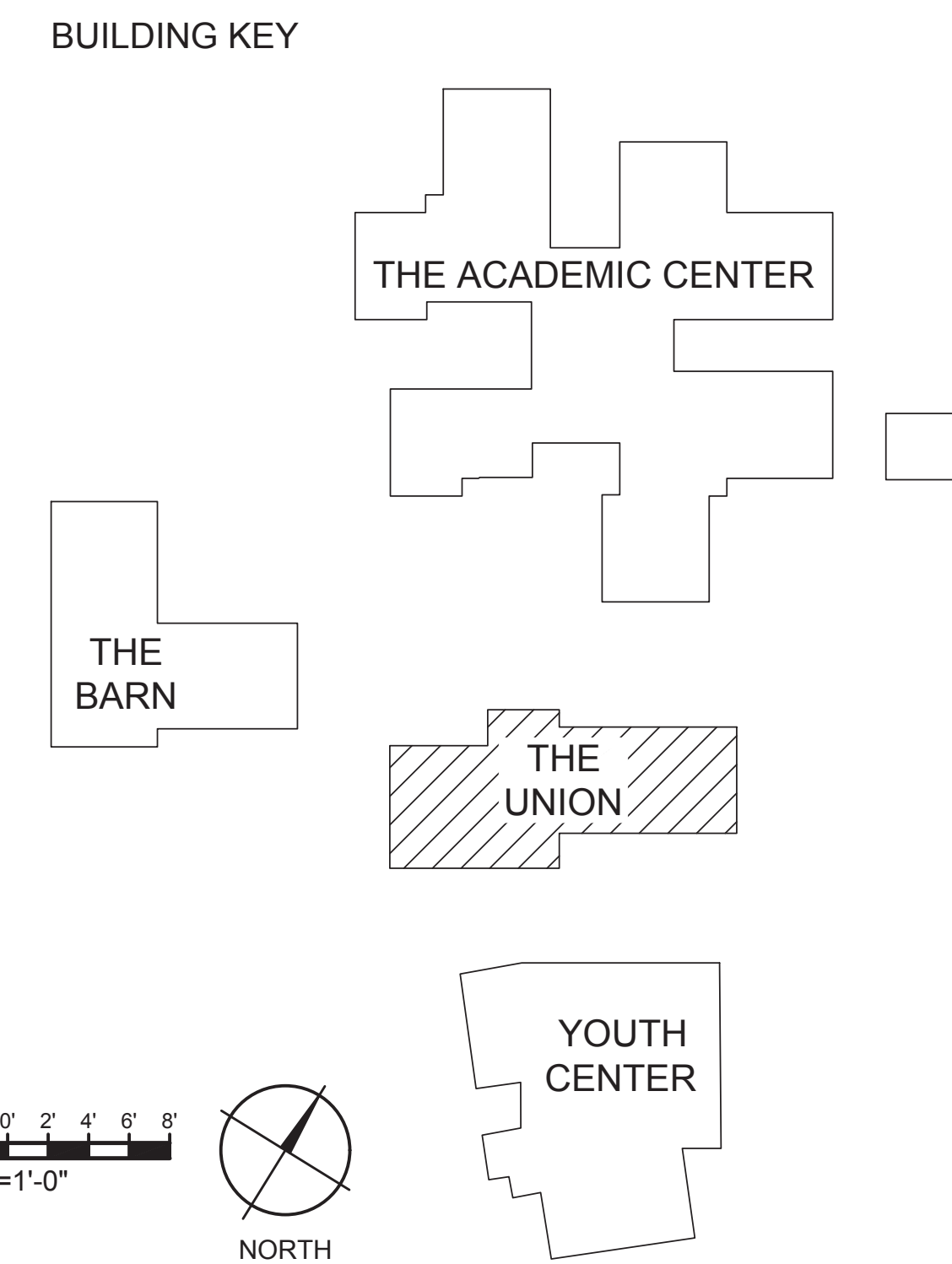


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BID ALTERNATE



CO NOTIFICATION PLAN - THE UNION & RELOCATABLE CLASSROOMS

MORRILL MIDDLE SCHOOL FIRE ALARM SYSTEM UPGRADE
MORRILL MIDDLE SCHOOL
1970 MORRILL AVENUE, SAN JOSE, CA 95132
BERRYSSA UNION SCHOOL DISTRICT

NO.	ITEM	DATE

DRAWN BY: FS
CHECKED BY: NA
SFA JOB NO: 21068
DATE: 03/07/2022

FA4.4

