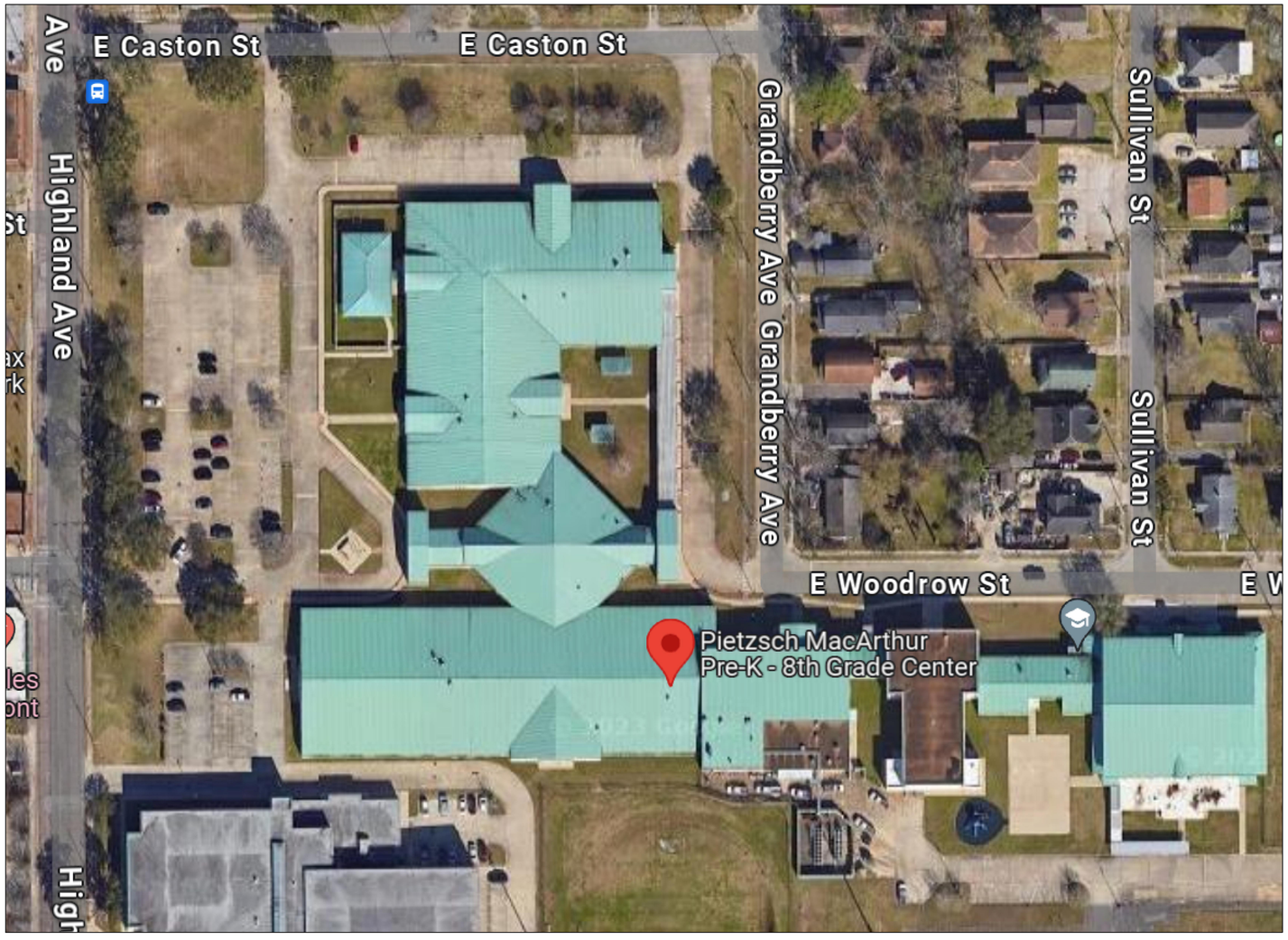
Salas O'Brien
HOUSTON
10930 W. SAM HOUSTON PKWY N., SUITE 900
HOUSTON, TX 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2023-05375-00

BEAUMONT INDEPENDENT SCHOOL DISTRICT
PIETZSCH MACARTHUR PRE-K - 8TH GRADE CENTER
FIRE ALARM SYSTEM REPLACEMENT



SITE LOCATION

4301 HIGHLAND AVE, BEAUMONT, TX 77705

Beaumont ISD
Preparing Our Next Generation

LIST OF DRAWINGS:

ELECTRICAL

T0.00	TECHNOLOGY NOTES AND LEGENDS
T1.01	TECHNOLOGY OVERALL PLAN LEVEL 1
T1.02	TECHNOLOGY OVERALL PLAN LEVEL 2
T2.01	TECHNOLOGY FLOOR PLAN - AREA A
T2.02	TECHNOLOGY FLOOR PLAN - AREA B
T2.03	TECHNOLOGY FLOOR PLAN - AREA C
T2.04	TECHNOLOGY FLOOR PLAN - AREA D
T2.05	TECHNOLOGY FLOOR PLAN - AREA E
T2.06	TECHNOLOGY FLOOR PLAN - AREA F
T2.07	TECHNOLOGY FLOOR PLAN - AREA G
T2.17	TECHNOLOGY FLOOR PLAN - LVL 2 - AREA G

BEAUMONT ISD BOARD OF TRUSTEES

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STATE OF TEXAS
BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER

12-05-2023

DRAWING NUMBER
CS-1

FIRE ALARM DEMO LEGEND

GROUP	SYMBOL	DESCRIPTION
DEVICES		SMOKE DETECTOR
		FIRE ALARM MANUAL PULL STATION
		AUDIO/VISUAL FIRE ALARM DEVICE WITH HORN STROBE (MOUNT 80" AFF)
		FIRE ALARM VISUAL STROBE DEVICE (MOUNT 80" AFF)
		WEATHERPROOF FIRE ALARM HORN

FIRE ALARM

A. FIRE ALARM SYSTEM IS A PERFORMANCE BASED PER SPECIFICATIONS 28 46 00. CONTRACTOR TO REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

B. A LICENSED FIRE ALARM PLANNING SUPERINTENDENT CERTIFIED TO A MINIMUM LEVEL 3, IN THE SUBFIELD OF FIRE ALARM SYSTEMS THROUGH THE NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET), SHALL PROVIDE PLANS AND CALCULATIONS FOR A MANUAL AND AUTOMATIC FIRE DETECTION AND ALARM SYSTEM TO COMPLY WITH THE BUILDING SPACE LAYOUT, BUILDING OCCUPANCY, CURRENT NFPA 72, LOCAL AND STATE CODE REQUIREMENTS, AND THE FIRE ALARM AND DETECTION SYSTEM SPECIFICATIONS.

C. PROJECT SCOPE INCLUDES REPLACING EXISTING FIRE ALARM SYSTEM WITH A NEW VOICE EVACUATION SYSTEM.

D. FIRE ALARM DEVICES ARE SHOWN FOR REFERENCE ONLY. FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING LOCATIONS AND PROVIDING A COMPLETE AND FUNCTIONING CODE COMPLIANT SYSTEM.

DEMOLITION GENERAL NOTES

1. ALL EXISTING FIRE ALARM DEVICES ARE TO BE REMOVED IN THEIR ENTIRETY, UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL REMOVE THESE DEVICE AND RETURN THEM TO THE OWNER, OR DISCARD THEM UPON THE OWNER'S INSTRUCTIONS.
2. PROVIDE AND INSTALL STAINLESS STEEL COVER PLATES AT ANY LOCATIONS WHERE EXISTING DEVICES ARE REMOVED AND NO NEW DEVICE IS INSTALLED IN THE SAME LOCATION. IF THE REMOVED DEVICE LEAVES A LOCATION THAT IS NOT ABLE TO BE COVERED BY A STANDARD COVER PLATE, PATCH AND PAINT THE LOCATION AND MATCH TO THE SURROUNDING AREA.
3. ALL EXISTING CABLE, ASSOCIATED WITH DEVICES THAT ARE TO BE REMOVED, IS TO BE REMOVED IN ITS ENTIRETY. REMOVE CABLE FROM THE DEVICE LOCATION TO THE ORIGINATION POINT OF THE CABLE. NO CABLE SHALL BE ABANDONED ABOVE CEILINGS OR INSIDE WALLS.
4. ALL EXISTING DEVICES SHOWN ON THESE DRAWINGS DO NOT NECESSARILY ACCOUNT FOR ALL DEVICES ON THE SITE, WHETHER IT IS AN EXISTING TO REMAIN, RELOCATED, OR DEMOLISHED DEVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING LOCATIONS AND COMPLETING ALL WORK REQUIRED TO PROTECT, REMOVE, AND/OR RELOCATE EXISTING DEVICES.
5. ANY INDIVIDUAL THAT WILL BE REMOVING. RELOCATING, REINSTALLING, AND/OR TAMPERING WITH ANY EXISTING DEVICES SHALL BE CERTIFIED BY THE MANUFACTURER OF THE SPECIFIC SYSTEM AND/OR LICENSED AS REQUIRED BY THE STATE TO PERFORM WORK ON THE SYSTEM. THE INDIVIDUAL SHALL BE A FULL-TIME EMPLOYEE OF THE FIRM CONTRACTED TO CONDUCT SUCH WORK ON THE PROJECT AND THAT FIRM SHALL ALSO HOLD ANY CERTIFICATIONS AND/OR LICENSES REQUIRED TO CONDUCT WORK ON THE SPECIFIC SYSTEM.
6. EXISTING FIRE ALARM CONTROL PANEL SHALL REMAIN IN PLACE AND FUNCTIONAL UNTIL THE NEW CONTROL PANEL IS COMPLETELY DEPLOYED AND FUNCTIONAL. UPON COMPLETION OF THE INSTALLATION OF THE NEW CONTROL PANEL, THE CONTRACTOR SHALL REMOVE THE OLD.
7. CONTRACTOR SHALL PROVIDE CONDUIT WHEN ROUTING CABLE IN EXPOSED STRUCTURE AREAS. PAINT CONDUIT AS DIRECTED BY ARCHITECT .

NOTES TO CONTRACTOR

1. A LICENSED FIRE ALARM PLANNING SUPERINTENDENT CERTIFIED TO A MINIMUM LEVEL 3, IN THE SUBFIELD OF FIRE ALARM SYSTEMS THROUGH THE NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET), SHALL PROVIDE PLANS AND CALCULATIONS FOR A MANUAL AND AUTOMATIC FIRE DETECTION AND ALARM SYSTEM TO COMPLY WITH THE BUILDING SPACE LAYOUT, BUILDING OCCUPANCY, CURRENT NFPA 72, LOCAL AND STATE CODE REQUIREMENTS, AND THE FIRE ALARM AND DETECTION SYSTEM SPECIFICATIONS.
2. EVERY SYMBOL SHOWN ON LEGEND MAY NOT APPEAR ON DRAWINGS.
3. REFERENCE SPECIFICATIONS FOR MATERIALS AND METHODS.
4. COMPLETE INSTALLATION OF ALL PRODUCTS SHALL BE IN COMPLIANCE WITH ALL CODES, INDUSTRY STANDARDS, COMMON PRACTICES AND MANUFACTURER'S INSTRUCTIONS.
5. ALL EXISTING CARBON MONOXIDE DETECTORS SHALL BE REMOVED AND REPLACED WITH NEW CARBON MONOXIDE DETECTORS THAT ARE MONITORED BY THE NEW FIRE ALARM SYSTEM. THIS SHALL APPLY TO ANY DEVICES SHOWN OR NOT SHOWN ON THE FOLLOWING SHEETS.
6. ALL EXISTING HVAC UNITS SHALL BE PROVIDED WITH NEW FIRE ALARM DEVICES INCLUDING BUT NOT LIMITED TO DUCT MOUNTED SMOKE DETECTORS AND SHUT DOWN RELAYS.

1 TECHNOLOGY OVERALL PLAN – LEVEL 1
1/8" = 1'-0"

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CONSULTANTS

MEP ENGINEERS

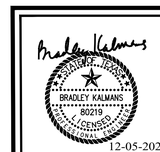
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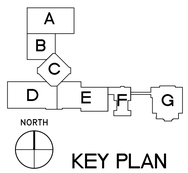
BEAUMONT ISD
FIRE ALARM SYSTEM REPLACEMENT

BEAUMONT INDEPENDENT SCHOOL DISTRICT

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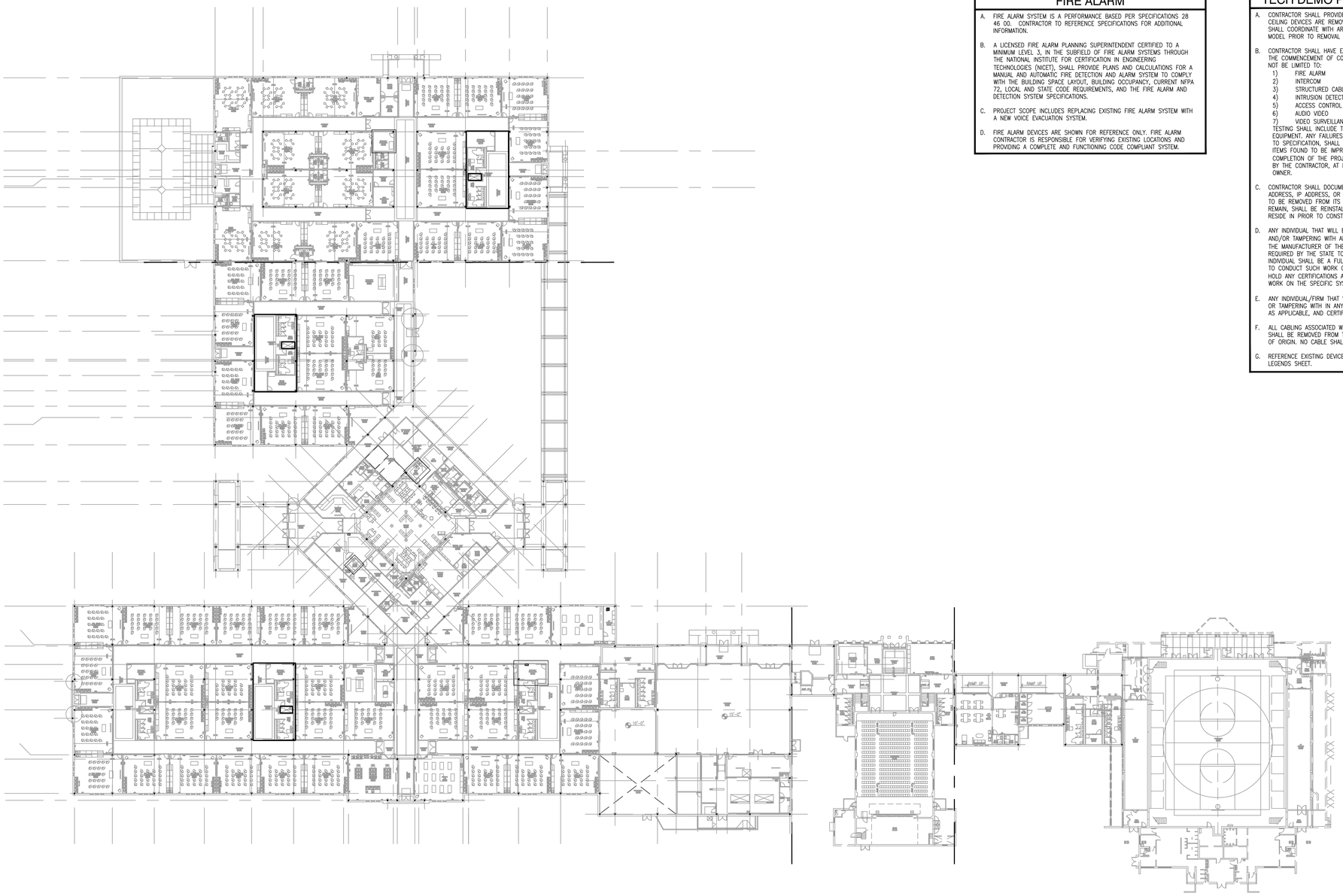
12-05-2023



KEY PLAN

TECHNOLOGY LEGEND

T1.00



1 TECHNOLOGY OVERALL PLAN – LEVEL 1
1/32" = 1'-0"

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TECH DEMO PLAN GENERAL NOTES

A. CONTRACTOR SHALL PROVIDE NEW CEILING TILES IN INSTANCES WHERE CEILING DEVICES ARE REMOVED, REPLACED OR ADDED. CONTRACTOR SHALL COORDINATE WITH ARCHITECT ON CORRECT MANUFACTURER AND MODEL PRIOR TO REMOVAL OF EXISTING TILE.

B. CONTRACTOR SHALL HAVE EACH LOW VOLTAGE SYSTEM TESTED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. SYSTEMS SHALL INCLUDE BUT NOT BE LIMITED TO:
1) FIRE ALARM
2) INTERCOM
3) STRUCTURED CABLING
4) INTRUSION DETECTION
5) ACCESS CONTROL
6) AUDIO VIDEO
7) VIDEO SURVEILLANCE

TESTING SHALL INCLUDE THE FUNCTIONALITY OF ALL FIELD DEVICES AND EQUIPMENT. ANY FAILURES OR ITEMS FOUND NOT TO BE FUNCTIONING TO SPECIFICATION, SHALL BE REPORTED PRIOR TO CONSTRUCTION. ANY ITEMS FOUND TO BE IMPROPERLY OR NON-FUNCTIONING UPON THE COMPLETION OF THE PROJECT, SHALL BE REPLACED AND/OR REPAIRED, BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE PROJECT OR THE OWNER.

C. CONTRACTOR SHALL DOCUMENT THE LOCATION AND ANY ID TAG, MAC ADDRESS, IP ADDRESS, OR BAR CODE OF ANY EXISTING DEVICE THAT IS TO BE REMOVED FROM ITS CURRENT LOCATION. DEVICES THAT ARE TO REMAIN, SHALL BE REINSTALLED IN THE EXACT LOCATION THAT THEY RESIDE IN PRIOR TO CONSTRUCTION, UNLESS NOTED OTHERWISE.

D. ANY INDIVIDUAL THAT WILL BE REMOVING, RELOCATING, REINSTALLING, AND/OR TAMPERING WITH ANY EXISTING DEVICES; SHALL BE CERTIFIED BY THE MANUFACTURER OF THE SPECIFIC SYSTEM AND/OR LICENSED AS REQUIRED BY THE STATE TO PERFORM WORK ON THE SYSTEM. THE INDIVIDUAL SHALL BE A FULL-TIME EMPLOYEE OF THE FIRM CONTRACTED TO CONDUCT SUCH WORK ON THE PROJECT AND THAT FIRM SHALL ALSO HOLD ANY CERTIFICATIONS AND/OR LICENSES REQUIRED TO CONDUCT WORK ON THE SPECIFIC SYSTEM.

E. ANY INDIVIDUAL/FIRM THAT WILL BE REMOVING, RELOCATING, REINSTALLING, OR TAMPERING WITH IN ANY DEVICES; SHALL BE LICENSED BY THE STATE, AS APPLICABLE, AND CERTIFIED BY THE MANUFACTURER OF THE SYSTEM.

F. ALL CABLING ASSOCIATED WITH DEVICES THAT ARE TO BE DEMOLISHED, SHALL BE REMOVED FROM THE DEVICE LOCATION TO THE CABLES POINT OF ORIGIN. NO CABLE SHALL BE ABANDONED IN PLACE.

G. REFERENCE EXISTING DEVICE SUBSCRIPT LEGEND ON THE NOTES AND LEGENDS SHEET.

Project No:	2023-05375-00
Drawn By:	NY
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BEAUMONT ISD
FIRE ALARM SYSTEM REPLACEMENT

BEAUMONT INDEPENDENT SCHOOL DISTRICT

Beaumont ISD
Preparing Our Next Generation

12-05-2023

KEY PLAN

TECHNOLOGY
OVERALL PLAN
LEVEL 1

T1.01

FIRE ALARM

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   5) ACCESS CONTROL
   6) AUDIO VIDEO
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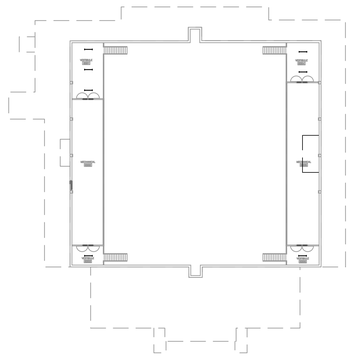
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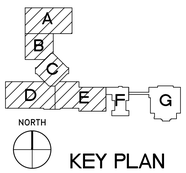
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F. ALL CABLING ASSOCIATED WITH DEVICES THAT ARE TO BE DEMOLISHED, SHALL BE REMOVED FROM THE DEVICE LOCATION TO THE CABLES POINT OF ORIGIN. NO CABLE SHALL BE ABANDONED IN PLACE.

G. REFERENCE EXISTING DEVICE SUBSCRIPT LEGEND ON THE NOTES AND LEGENDS SHEET.



1 TECHNOLOGY OVERALL PLAN – LEVEL 2
1/32" = 1'-0"



KEY PLAN

Project No: 2023-05375-00
Drawn By: NY
Checked By: DS
Date: 12-05-2023
Revision Dates:

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BEAUMONT ISD
FIRE ALARM SYSTEM REPLACEMENT

BEAUMONT INDEPENDENT SCHOOL DISTRICT

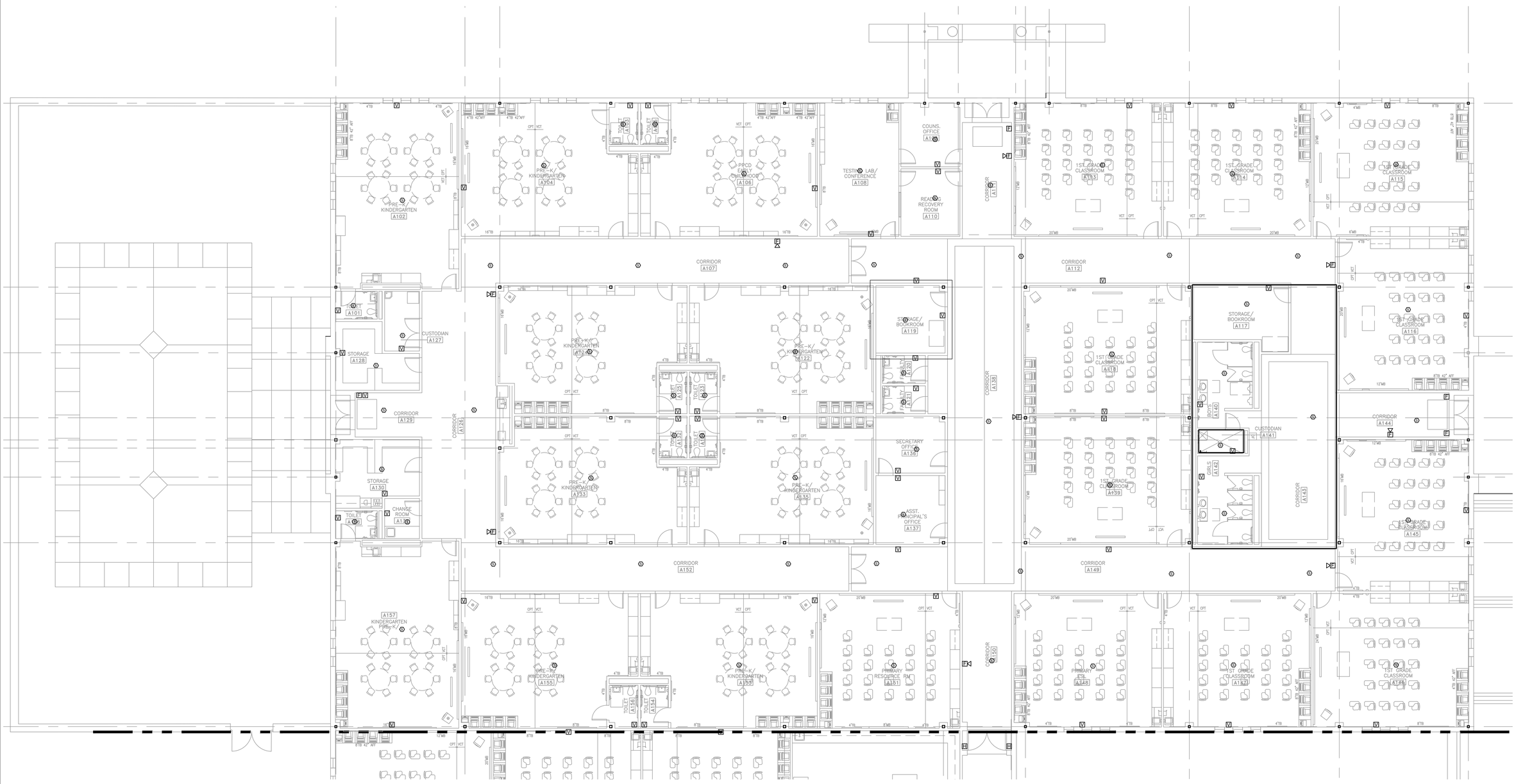
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12-05-2023

TECHNOLOGY
OVERALL PLAN
LEVEL 2

T1.02



1 TECHNOLOGY FLOOR PLAN – AREA A
1/8" = 1'-0"

FIRE ALARM

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B. A LICENSED FIRE ALARM PLANNING SUPERINTENDENT CERTIFIED TO A MINIMUM LEVEL 3, IN THE SUBFIELD OF FIRE ALARM SYSTEMS THROUGH THE NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET), SHALL PROVIDE PLANS AND CALCULATIONS FOR A MANUAL AND AUTOMATIC FIRE DETECTION AND ALARM SYSTEM TO COMPLY WITH THE BUILDING SPACE LAYOUT, BUILDING OCCUPANCY, CURRENT NFPA 72, LOCAL AND STATE CODE REQUIREMENTS, AND THE FIRE ALARM AND DETECTION SYSTEM SPECIFICATIONS.

C. PROJECT SCOPE INCLUDES REPLACING EXISTING FIRE ALARM SYSTEM WITH A NEW VOICE EVACUATION SYSTEM.

D. FIRE ALARM DEVICES ARE SHOWN FOR REFERENCE ONLY. FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING LOCATIONS AND PROVIDING A COMPLETE AND FUNCTIONING CODE COMPLIANT SYSTEM.

GENERAL NOTES

A. ALL NEW STROBES AND SPEAKER/STROBES SHALL BE LOCATED ON CEILING, SUPPORTED BY T-BAR CEILING HANGER AND BACKBOX.

B. DEVICES SHOWN FOR DIAGRAMMATIC PURPOSES ONLY; FULL SCALE DESIGN IS RESPONSIBILITY OF LICENSED FIRE ALARM COMPANY.

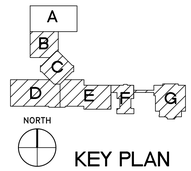
C. COORDINATE ALL FINAL MOUNTING HEIGHTS, FOR WALL MOUNTED DEVICES, PRIOR TO ROUGH-IN. COORDINATE WITH OTHER TRADES.

D. COORDINATE ALL CEILING DEVICE LOCATIONS WITH ARCHITECTURAL DRAWINGS AND INTERIOR DESIGN CONSULTANT(IF APPLICABLE) PRIOR TO ROUGH-IN.

E. WHERE POSSIBLE CONTRACTOR SHALL REUSE ELECTRICAL OUTLETS TO POWER FIRE ALARM FAA, FACP AND FIRE ALARM BOOSTER PANELS. WHERE NOT POSSIBLE CONTRACTOR SHALL PROVIDE NEW POWER RECEPTICLES.

F. CONTRACTOR TO COORDINATE ALL DROP LOCATIONS WITH FURNITURE. COORDINATE WITH ARCHITECT AND OWNER FOR MORE INFORMATION.

G. CONTRACTOR SHALL PROVIDE NEW CEILING TILES IN INSTANCES WHERE CEILING DEVICES ARE REMOVED, REPLACED OR ADDED. CONTRACTOR SHALL COORDINATE WITH ARCHITECT ON CORRECT MANUFACTURER AND MODEL PRIOR TO REMOVAL OF EXISTING TILE.



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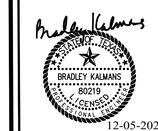
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BEAUMONT ISD
FIRE ALARM SYSTEM REPLACEMENT

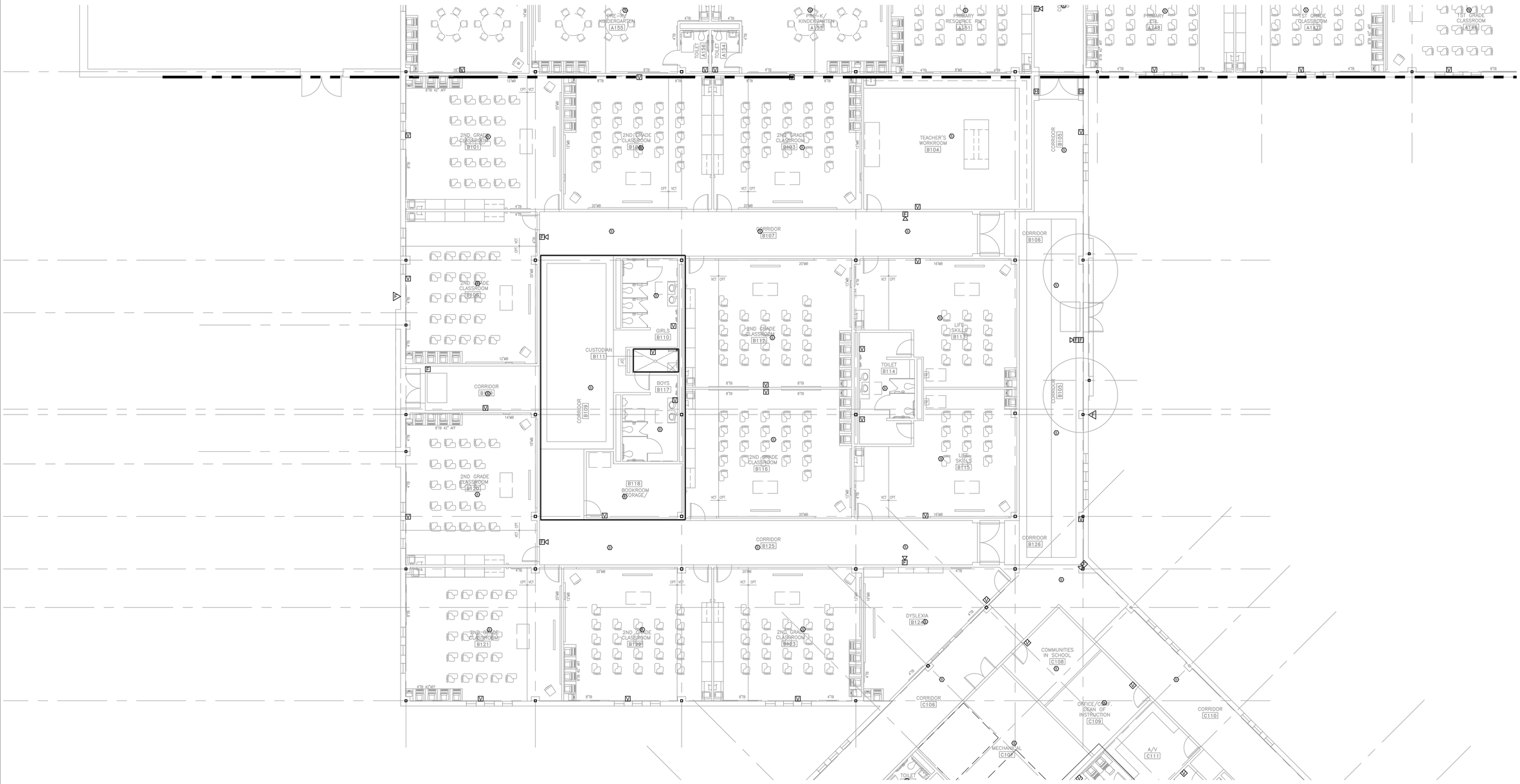
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TECHNOLOGY FLOOR PLAN - AREA A

T2.01



1 TECHNOLOGY FLOOR PLAN – AREA B
1/8" = 1'-0"

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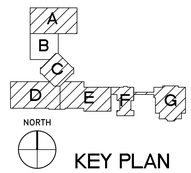
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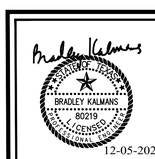
Salas O'Brien.

HOUSTON
10930 W. SAM HOUSTON PKWY N., SUITE 900
HOUSTON, TX 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2023-05375-00

BEAUMONT ISD
FIRE ALARM SYSTEM REPLACEMENT

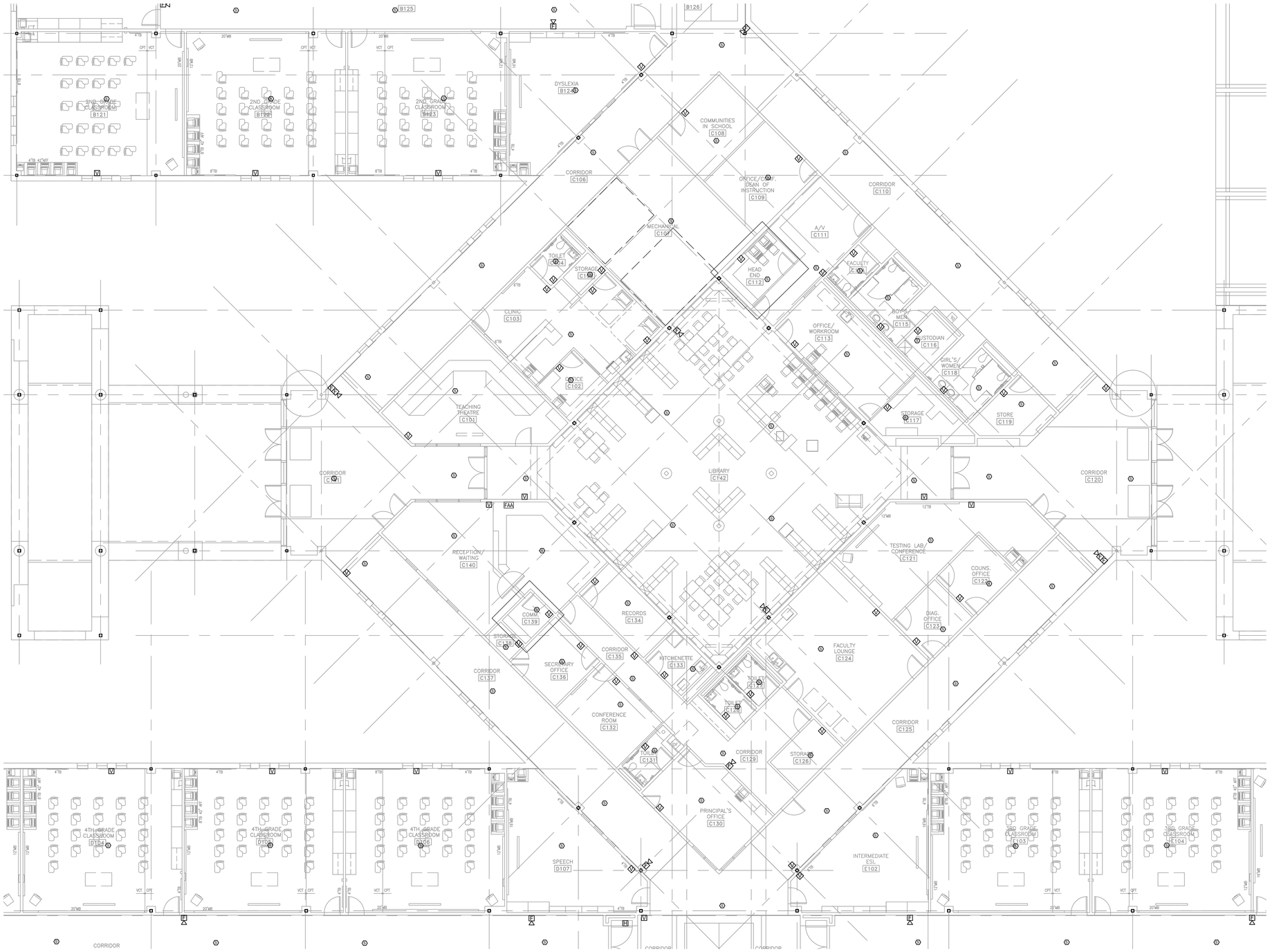
BEAUMONT INDEPENDENT SCHOOL DISTRICT

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TECHNOLOGY FLOOR PLAN - AREA B

T2.02



1 TECHNOLOGY FLOOR PLAN – AREA C
1/8" = 1'-0"

FIRE ALARM

A. FIRE ALARM SYSTEM IS A PERFORMANCE BASED PER SPECIFICATIONS 28 46 00. CONTRACTOR TO REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

B. A LICENSED FIRE ALARM PLANNING SUPERINTENDENT CERTIFIED TO A MINIMUM LEVEL 3, IN THE SUBFIELD OF FIRE ALARM SYSTEMS THROUGH THE NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET), SHALL PROVIDE PLANS AND CALCULATIONS FOR A MANUAL AND AUTOMATIC FIRE DETECTION AND ALARM SYSTEM TO COMPLY WITH THE BUILDING SPACE LAYOUT, BUILDING OCCUPANCY, CURRENT NFPA 72, LOCAL AND STATE CODE REQUIREMENTS, AND THE FIRE ALARM AND DETECTION SYSTEM SPECIFICATIONS.

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GENERAL NOTES

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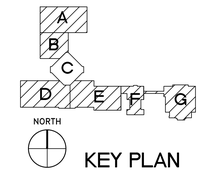
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KEY PLAN

Project No:	2023-05375-00
Drawn By:	NY
Checked By:	DS
Date:	12-05-2023
Revision Dates:	

CONSULTANTS

MEP ENGINEERS

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10930 W. SAM HOUSTON PKWY N., SUITE 900
HOUSTON, TX 77064
OFFICE: 281-664-1900
FAX: 281-664-1912

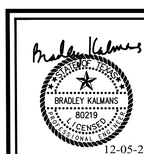
Salas O'Brien.

HOUSTON
10930 W. SAM HOUSTON PKWY N., SUITE 900
HOUSTON, TX 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2023-05375-00

BEAUMONT ISD
FIRE ALARM SYSTEM REPLACEMENT

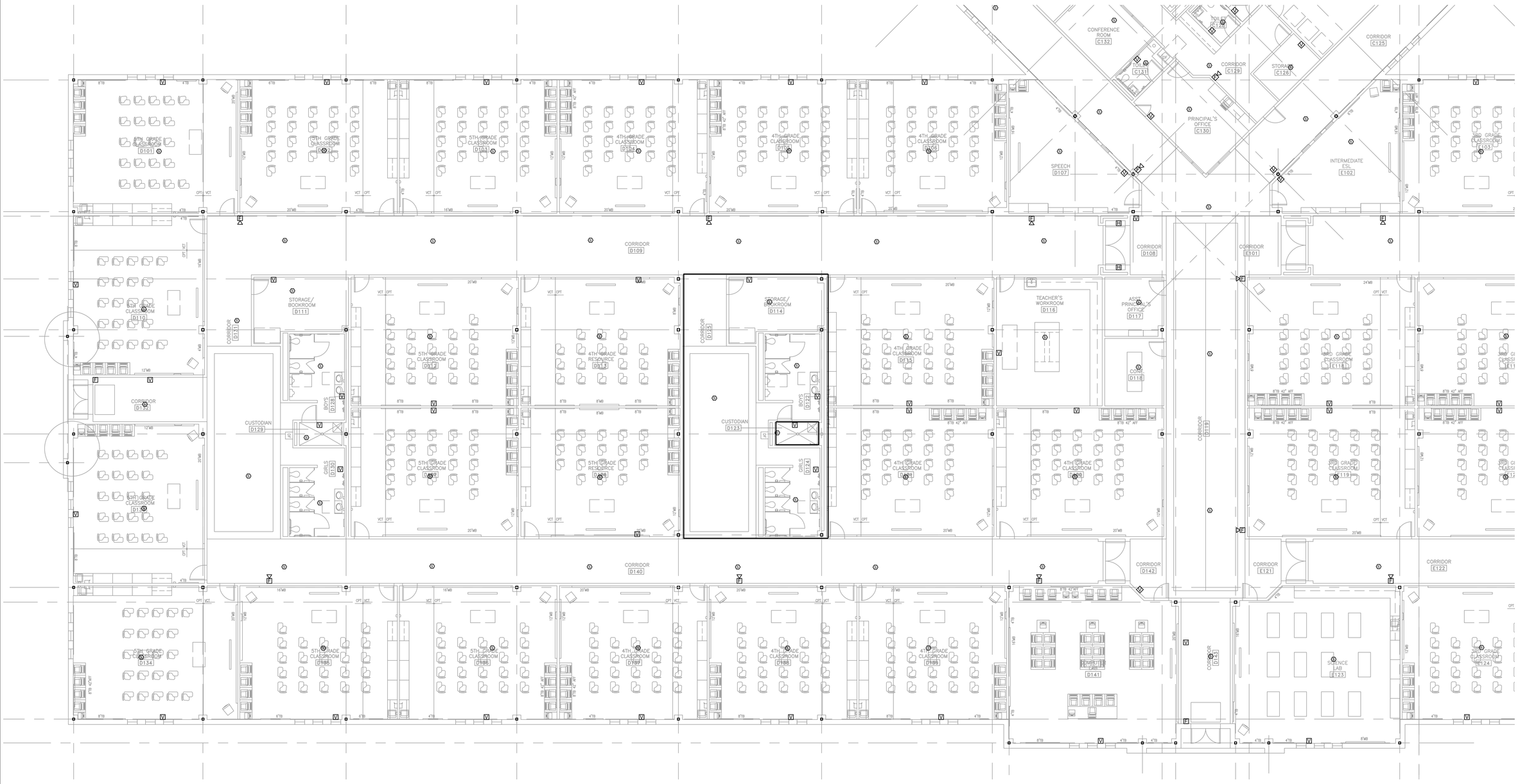
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TECHNOLOGY FLOOR PLAN - AREA C

T2.03



1 TECHNOLOGY FLOOR PLAN – AREA D
1/8" = 1'-0"

FIRE ALARM

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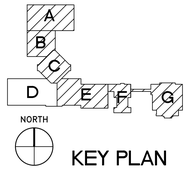
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KEY PLAN

Project No:	2023-05375-00
Drawn By:	NY
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Revision Dates:	

CONSULTANTS

MEP ENGINEERS

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Salas O'Brien.

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Salas O'Brien Registration: F-4111
Salas O'Brien Project Number:2023-05375-00

BEAUMONT ISD
FIRE ALARM SYSTEM REPLACEMENT

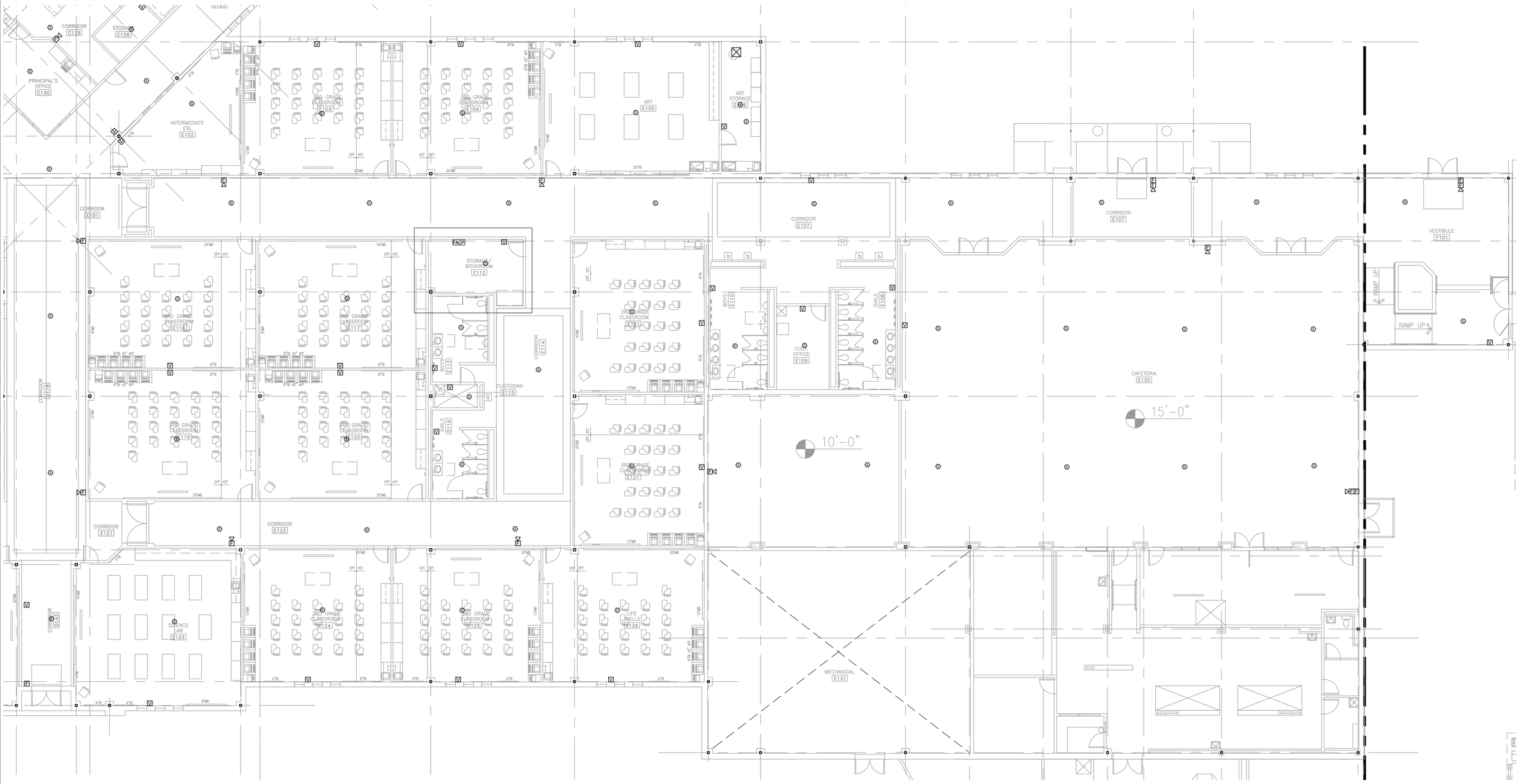
BEAUMONT INDEPENDENT SCHOOL DISTRICT

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BRADLEY KALMANS
80219
LICENSED
PROFESSIONAL ENGINEER
STATE OF TEXAS
12-05-2023

TECHNOLOGY FLOOR PLAN - AREA D

T2.04



1 TECHNOLOGY FLOOR PLAN – AREA E
1/8" = 1'-0"

FIRE ALARM

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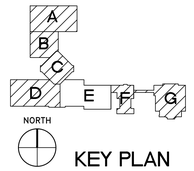
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KEY PLAN

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CONSULTANTS

MEP ENGINEERS

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10930 W. SAM HOUSTON PKWY N., SUITE 900
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FAX: 281-664-1912

Salas O'Brien.
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10930 W. SAM HOUSTON PKWY N., SUITE 900
HOUSTON, TX 77064
Salas O'Brien Registration: F-4111
Salas O'Brien Project Number: 2023-05375-00

BEAUMONT ISD FIRE ALARM SYSTEM REPLACEMENT

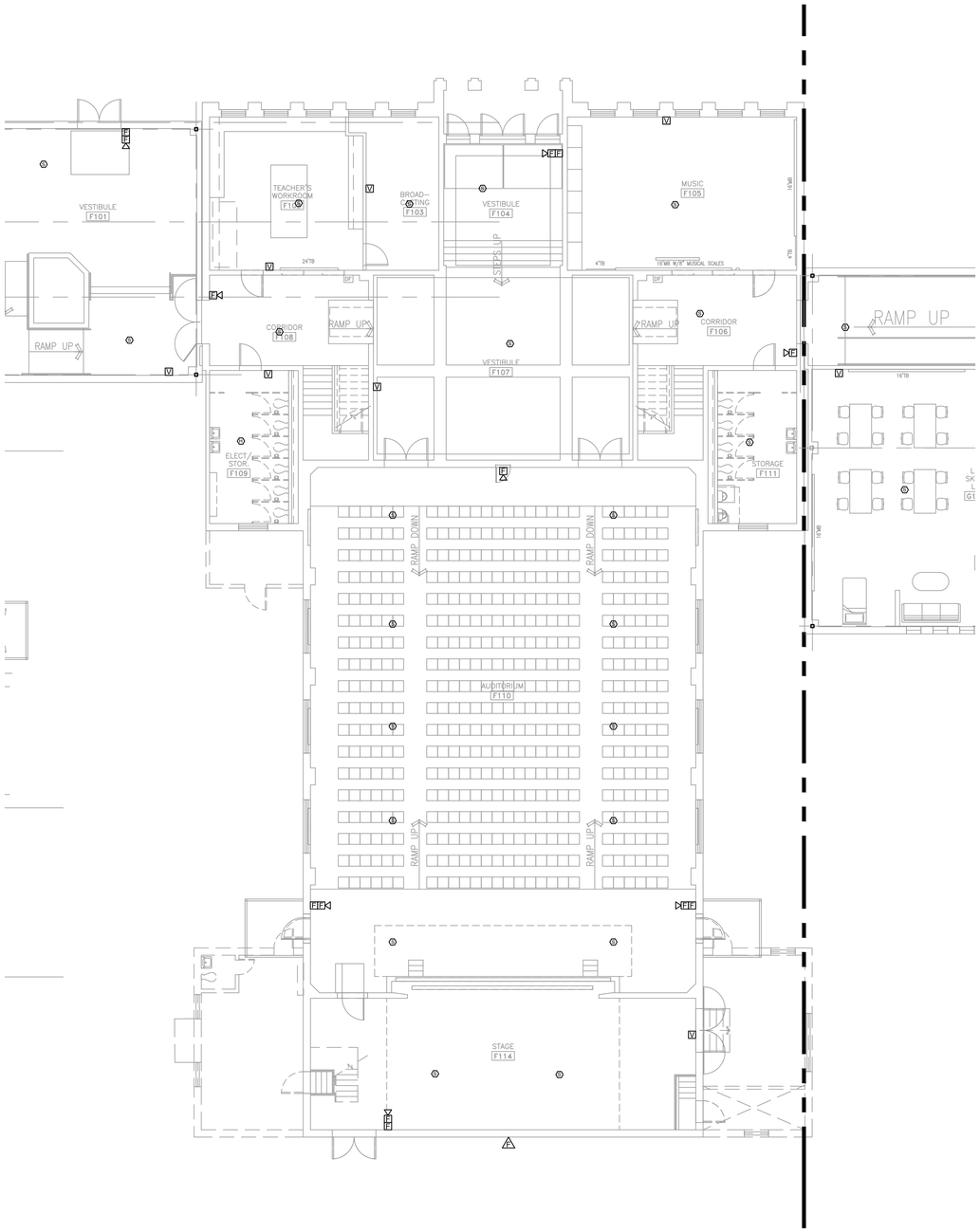
BEAUMONT INDEPENDENT SCHOOL DISTRICT

Beaumont ISD
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BRADLEY KALMANS
80219
LICENSED
ENGINEER
STATE OF TEXAS
12-05-2023

TECHNOLOGY FLOOR PLAN - AREA E

T2.05



1 TECHNOLOGY FLOOR PLAN – AREA F
1/8" = 1'-0"

FIRE ALARM

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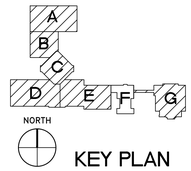
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KEY PLAN

Project No: 2023-05375-00
Drawn By: NY
Checked By: DS
Date: 12-05-2023
Revision Dates:

CONSULTANTS

MEP ENGINEERS

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Salas O'Brien.

HOUSTON
10930 W. SAM HOUSTON PKWY N., SUITE 900
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Salas O'Brien Registration: F-4111
Salas O'Brien Project Number:2023-05375-00

BEAUMONT ISD
FIRE ALARM SYSTEM REPLACEMENT

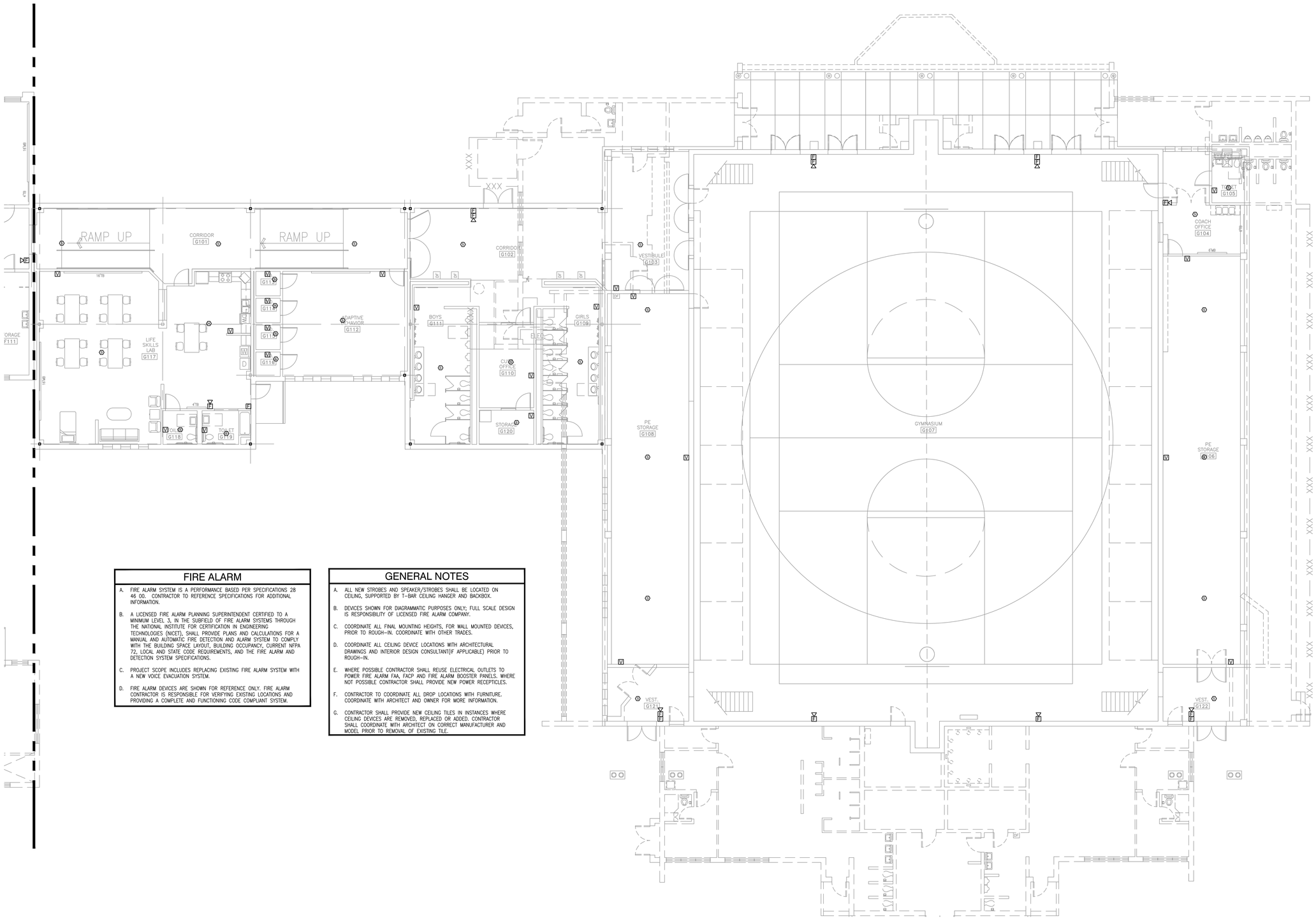
BEAUMONT INDEPENDENT SCHOOL DISTRICT

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TECHNOLOGY FLOOR PLAN - AREA F

T2.06



FIRE ALARM

A. FIRE ALARM SYSTEM IS A PERFORMANCE BASED PER SPECIFICATIONS 28 46 00. CONTRACTOR TO REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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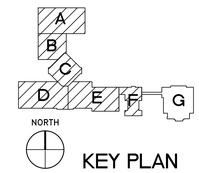
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1 TECHNOLOGY FLOOR PLAN – AREA G
1/8" = 1'-0"



KEY PLAN

Project No:	2023-05375-00
Drawn By:	NY
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CONSULTANTS

MEP ENGINEERS

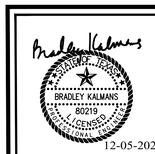
SALAS O'BRIEN
10930 W. SAM HOUSTON PKWY N., SUITE 900
HOUSTON, TX 77064
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Salas O'Brien.
HOUSTON
10930 W. SAM HOUSTON PKWY N., SUITE 900
HOUSTON, TX 77064
Salas O'Brien Registration:F-4111
Salas O'Brien Project Number:2023-05375-00

BEAUMONT ISD FIRE ALARM SYSTEM REPLACEMENT

BEAUMONT INDEPENDENT SCHOOL DISTRICT

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12-05-2023

TECHNOLOGY FLOOR PLAN - AREA G

T2.07

FIRE ALARM

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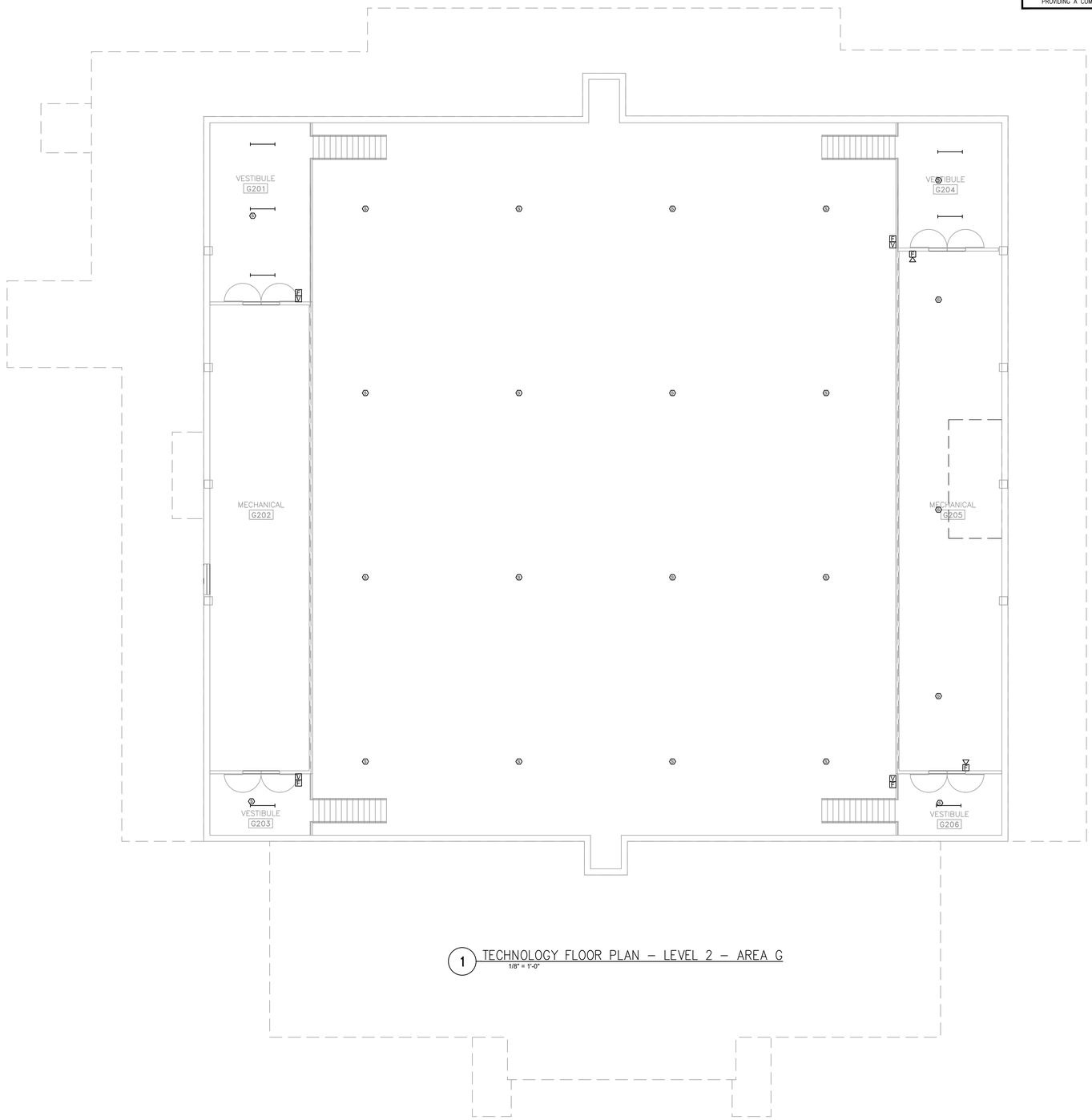
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1 TECHNOLOGY FLOOR PLAN – LEVEL 2 – AREA G
1/8" = 1'-0"

Project No:	2023-05375-00
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CONSULTANTS

MEP ENGINEERS

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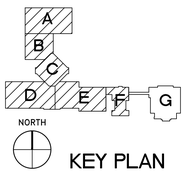
BEAUMONT ISD
FIRE ALARM SYSTEM REPLACEMENT

BEAUMONT INDEPENDENT SCHOOL DISTRICT

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12-05-2023



KEY PLAN

TECHNOLOGY
FLOOR PLAN - LVL
2 - AREA G

T2.17