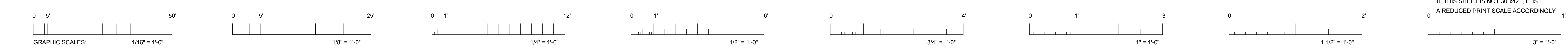


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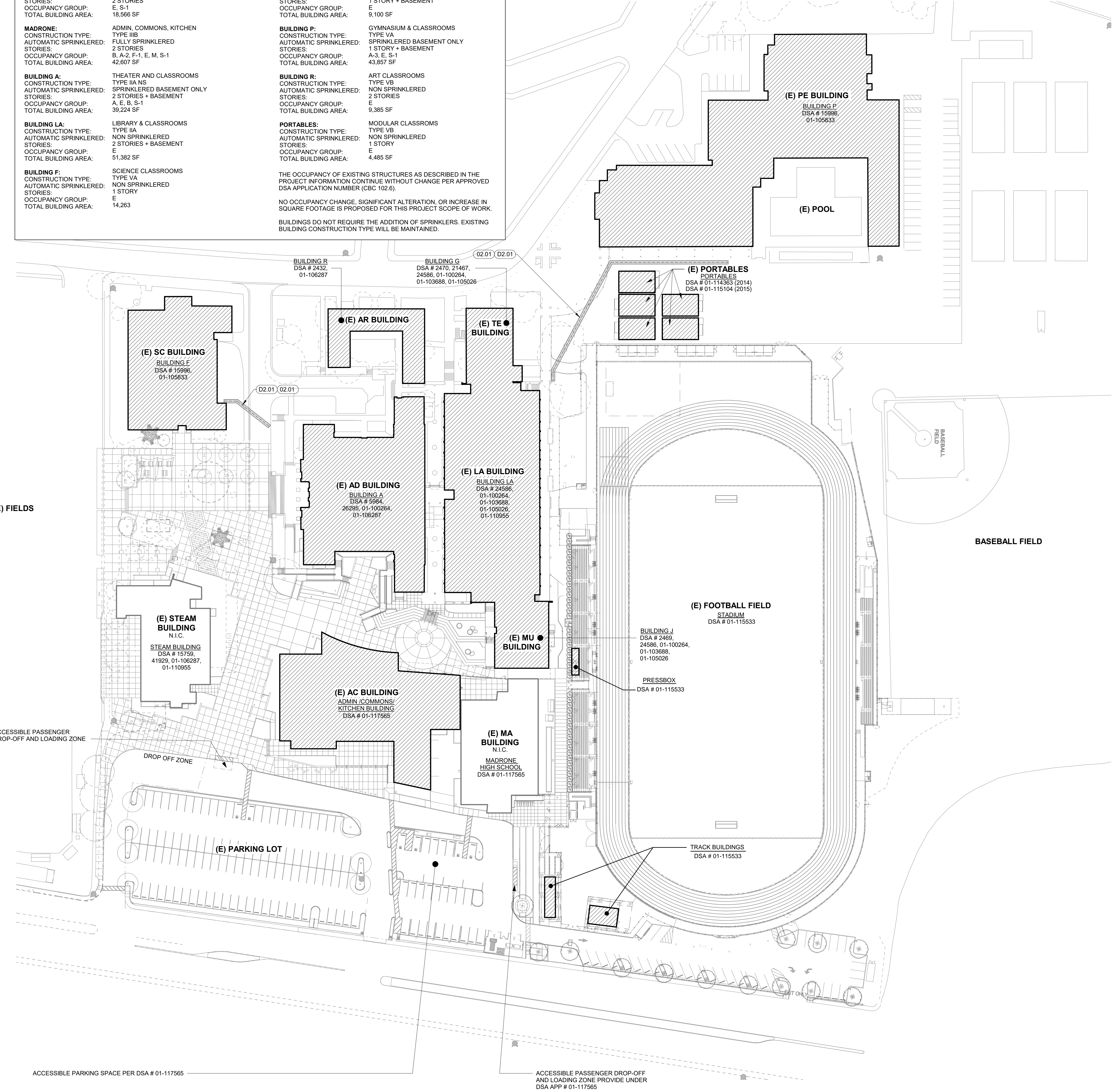
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BUILDING CODE ANALYSIS

ADMIN/COMMONS: CONSTRUCTION TYPE: AUTOMATIC SPRINKLERED: STORIES: OCCUPANCY GROUP: TOTAL BUILDING AREA:	ADMIN, COMMONS, KITCHEN TYPE IIB FULLY SPRINKLERED 2 STORIES B, A-2, F-1, E, M, S-1 42,607 SF	BUILDING G: CONSTRUCTION TYPE: AUTOMATIC SPRINKLERED: STORIES: OCCUPANCY GROUP: TOTAL BUILDING AREA:	TECHNOLOGY CLASSROOMS TYPE VA NON SPRINKLERED 2 STORIES E 7,875 SF
STEAM BUILDING: CONSTRUCTION TYPE: AUTOMATIC SPRINKLERED: STORIES: OCCUPANCY GROUP: TOTAL BUILDING AREA:	SCIENCE, TECHNOLOGY & ARTS CLASSROOMS TYPE IIB FULLY SPRINKLERED 2 STORIES E, S-1 18,566 SF	BUILDING J: CONSTRUCTION TYPE: AUTOMATIC SPRINKLERED: STORIES: OCCUPANCY GROUP: TOTAL BUILDING AREA:	MUSIC CLASSROOMS TYPE VA NON SPRINKLERED 1 STORY + BASEMENT E 9,100 SF
MADRONE: CONSTRUCTION TYPE: AUTOMATIC SPRINKLERED: STORIES: OCCUPANCY GROUP: TOTAL BUILDING AREA:	ADMIN, COMMONS, KITCHEN TYPE IIB FULLY SPRINKLERED 2 STORIES B, A-2, F-1, E, M, S-1 42,607 SF	BUILDING P: CONSTRUCTION TYPE: AUTOMATIC SPRINKLERED: STORIES: OCCUPANCY GROUP: TOTAL BUILDING AREA:	GYMNASIUM & CLASSROOMS TYPE VA SPRINKLERED BASEMENT ONLY 1 STORY + BASEMENT A-3, E, S-1 43,557 SF
BUILDING A: CONSTRUCTION TYPE: AUTOMATIC SPRINKLERED: STORIES: OCCUPANCY GROUP: TOTAL BUILDING AREA:	THEATER AND CLASSROOMS TYPE IIA NS SPRINKLERED BASEMENT ONLY 2 STORIES + BASEMENT A, E, B, S-1 39,224 SF	BUILDING R: CONSTRUCTION TYPE: AUTOMATIC SPRINKLERED: STORIES: OCCUPANCY GROUP: TOTAL BUILDING AREA:	ART CLASSROOMS TYPE VB NON SPRINKLERED 2 STORIES E 9,385 SF
BUILDING LA: CONSTRUCTION TYPE: AUTOMATIC SPRINKLERED: STORIES: OCCUPANCY GROUP: TOTAL BUILDING AREA:	LIBRARY & CLASSROOMS TYPE IIA NON SPRINKLERED 2 STORIES + BASEMENT E 51,382 SF	PORTABLES: CONSTRUCTION TYPE: AUTOMATIC SPRINKLERED: STORIES: OCCUPANCY GROUP: TOTAL BUILDING AREA:	MODULAR CLASSROOMS TYPE VB NON SPRINKLERED 1 STORY E 4,485 SF
BUILDING F: CONSTRUCTION TYPE: AUTOMATIC SPRINKLERED: STORIES: OCCUPANCY GROUP: TOTAL BUILDING AREA:	SCIENCE CLASSROOMS TYPE VA NON SPRINKLERED 1 STORY E 14,263	THE OCCUPANCY OF EXISTING STRUCTURES AS DESCRIBED IN THE PROJECT INFORMATION CONTINUE WITHOUT CHANGE PER APPROVED DSA APPLICATION NUMBER (CBC 102.6). NO OCCUPANCY CHANGE, SIGNIFICANT ALTERATION, OR INCREASE IN SQUARE FOOTAGE IS PROPOSED FOR THIS PROJECT SCOPE OF WORK. BUILDINGS DO NOT REQUIRE THE ADDITION OF SPRINKLERS. EXISTING BUILDING CONSTRUCTION TYPE WILL BE MAINTAINED.	



BUILDING CERTIFICATION DATA				
PROJECT NAME	DSA APP. #	APP. DATE	CLOSE DATE	CERTIFICATION
ADMINS/COMMONS	DSA # 01-117565 (2019)	6/21/2018	1/30/2021	TYPE 1, CERTIFICATION AND CLOSE OF FILE
MADRONE	DSA # 01-117565 (2019)	6/21/2018	1/30/2021	TYPE 1, CERTIFICATION AND CLOSE OF FILE
(E) CLASSROOMS				
STEAM BUILDING (N) CLASSROOMS	DSA APPL # 01-119147	9/15/2020		
BUILDING A (E) CLASSROOMS	DSA # 5984 DSA # 26295 (1965) DSA # 01-100264 (1987)	2/19/1998	3/28/2003	TYPE 1, CERTIFICATION AND CLOSE OF FILE
	DSA # 01-106287 (2004)	5/17/2004	12/5/2013	TYPE 1, CERTIFICATION AND CLOSE OF FILE
	DSA # 01-118811 (2020)	2/25/2020	12/10/2021	TYPE 1, CERTIFICATION AND CLOSE OF FILE
BUILDING LA (E) LIBRARY/CLASSROOMS	DSA # 24586 (1964) DSA # 01-100264 (1987)	2/19/1998	3/28/2003	TYPE 1, CERTIFICATION AND CLOSE OF FILE
	DSA # 01-103688 (2001)	11/14/2002	8/13/2012	TYPE 1, CERTIFICATION AND CLOSE OF FILE
	DSA # 01-105026 (2003)	10/1/2009	9/27/2012	TYPE 1, CERTIFICATION AND CLOSE OF FILE
	DSA # 01-116479 (2017)	2/6/2017	3/6/2018	TYPE 1, CERTIFICATION AND CLOSE OF FILE
BUILDING F (E) CLASSROOMS	DSA # 15966 (1957) DSA # 01-105833 (2004)	12/2/2003	8/2/2012	TYPE 1, CERTIFICATION AND CLOSE OF FILE
	DSA # 01-118811 (2020)	2/25/2020	12/10/2021	TYPE 1, CERTIFICATION AND CLOSE OF FILE
BUILDING G (E) CLASSROOMS	DSA # 2470 (1939) DSA # 21467 DSA # 24586 (1964) DSA # 01-100264 (1987)	2/19/1998	3/28/2003	TYPE 1, CERTIFICATION AND CLOSE OF FILE
	DSA # 01-103688 (2001)	11/14/2002	8/13/2012	TYPE 1, CERTIFICATION AND CLOSE OF FILE
	DSA # 01-105026 (2003)			
BUILDING J (E) MUSIC/CLASSROOMS	DSA # 2469 (1939) DSA # 24586 (1964) DSA # 01-100264 (1987)	2/19/1998	3/28/2003	TYPE 1, CERTIFICATION AND CLOSE OF FILE
	DSA # 01-103688 (2001)	4/24/2001	10/24/2007	TYPE 1, CERTIFICATION AND CLOSE OF FILE
	DSA # 01-105026 (2003)	11/14/2002	8/13/2012	TYPE 1, CERTIFICATION AND CLOSE OF FILE
	DSA # 01-118811 (2020)	2/25/2020	12/10/2021	TYPE 1, CERTIFICATION AND CLOSE OF FILE
BUILDING P (E) GYMNASIUM	DSA # 15618 (1958) DSA # 01-103688 (2001)	4/24/2001	10/24/2007	TYPE 1, CERTIFICATION AND CLOSE OF FILE
	DSA # 01-105833 (2004)	12/2/2003	8/2/2012	TYPE 1, CERTIFICATION AND CLOSE OF FILE
	DSA # 01-112267 (2013)	10/6/2011	5/16/2013	TYPE 1, CERTIFICATION AND CLOSE OF FILE
	DSA # 01-118811 (2020)	2/25/2020	12/10/2021	TYPE 1, CERTIFICATION AND CLOSE OF FILE
BUILDING R (E) CLASSROOMS	DSA # 2432 (1939) DSA # 01-100264 (1987)	2/19/1998	3/28/2003	TYPE 1, CERTIFICATION AND CLOSE OF FILE
	DSA # 01-106287 (2004)	5/17/2004	12/5/2013	TYPE 1, CERTIFICATION AND CLOSE OF FILE
	DSA # 01-114363 (2014)	2/25/2020	12/10/2021	TYPE 1, CERTIFICATION AND CLOSE OF FILE
	DSA # 01-118811 (2020)			
PORTABLES (E) CLASSROOMS	DSA # 01-114363 (2014)	8/14/2014	6/23/2015	TYPE 1, CERTIFICATION AND CLOSE OF FILE
	DSA # 01-115104 (2015)	7/14/2015	4/14/2016	TYPE 1, CERTIFICATION AND CLOSE OF FILE
PORTABLES (E) CLASSROOMS	DSA # 01-117538 (2018)	4/11/2018	4/10/2019	TYPE 1, CERTIFICATION AND CLOSE OF FILE
STADIUM PRESSBOX TRACK BUILDINGS	DSA # 01-115533 (2017)	2/16/2016	11/8/2018	TYPE 1, CERTIFICATION AND CLOSE OF FILE

KEYNOTES:

02.01 BACKFILL TRENCH AND COMPACT. PATCH AND REPAIR ASPHALT PAVING FOLLOWING INSTALLATION OF CONDUIT AND PULL BOX, TYP. SEE 10/A.1.01, SED

DEMO KEYNOTES:

D2.01 REMOVE EXISTING ASPHALT CONCRETE PAVING AND EXCAVATE FOR INSTALLATION OF NEW CONDUIT.

GENERAL NOTES

1. SEE ELECTRICAL DRAWINGS FOR EXTENT OF WORK. FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF WORK
2. COORDINATE WITH THE ARCHITECT IF EXISTING CONDITIONS DIFFERED FROM THE CONSTRUCTION DOCUMENTS PRIOR TO START OF WORK
3. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA

SITE PLAN NOTES & LEGEND

1. NOTIFY ARCHITECT OF ANY IN THE FIELD DISCREPANCIES PRIOR TO START OF CONSTRUCTION.
2. ALL DIMENSIONS SHALL BE FACE OF STUD. UON. DIMENSIONS NOTED AS "CLR." REFER TO CLEAR DIMENSION FROM FACE OF FINISH.

- BUILDINGS PART OF FIRE ALARM SCOPE
- BUILDINGS NOT IN CONTRACT
- SAWCUT AND REMOVE ASPHALT CONCRETE PAVING, EXCAVATE FOR NEW FIRE ALARM CONDUIT, SEE ELECTRICAL DRAWINGS

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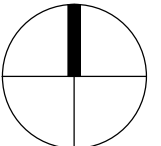
HIBSER YAMAUCHI Architects, Inc.
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Oakland, CA 94612
510.446.2222 tel | 510.446.2211 fax
HY Architects Project number: 6020

Facility
SAN RAFAEL HIGH SCHOOL
150 3RD ST, SAN RAFAEL, CA 94901

Project
FIRE ALARM SYSTEM UPGRADE

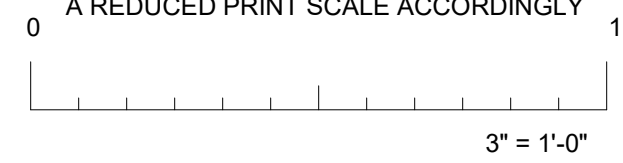
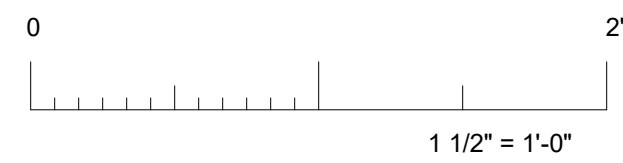
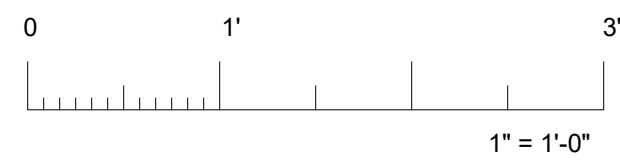
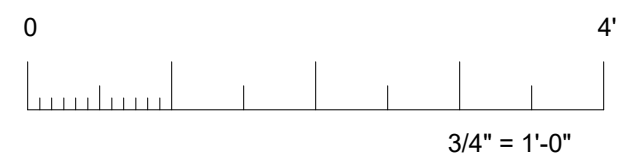
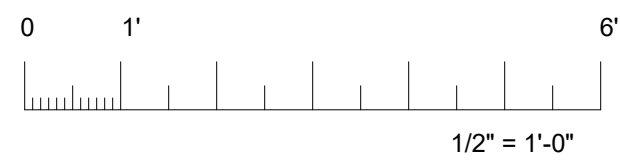
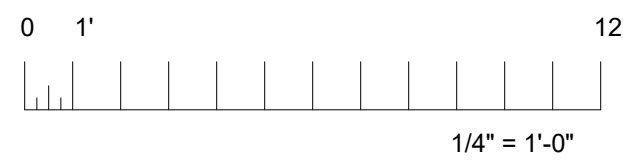
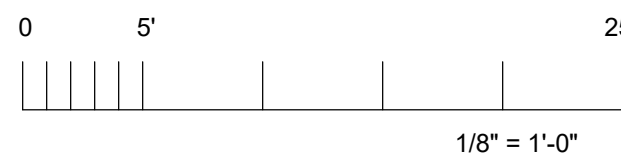
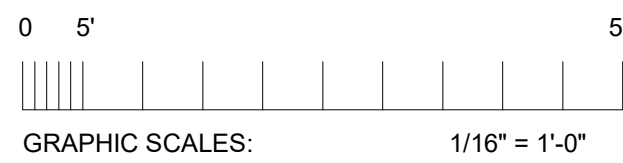
Sheet Title
SITE PLAN

Client Project Number: Client Proj. #
Scale: AS NOTED Sheet
Drawn By: AK
Checked By: MD
Issue Date: 05/30/23
Revit Version: 2023
A1.01
Sheet 01 of 41



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IF THIS SHEET IS NOT 30"x42", IT IS
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Delta	Date	Revisions	By

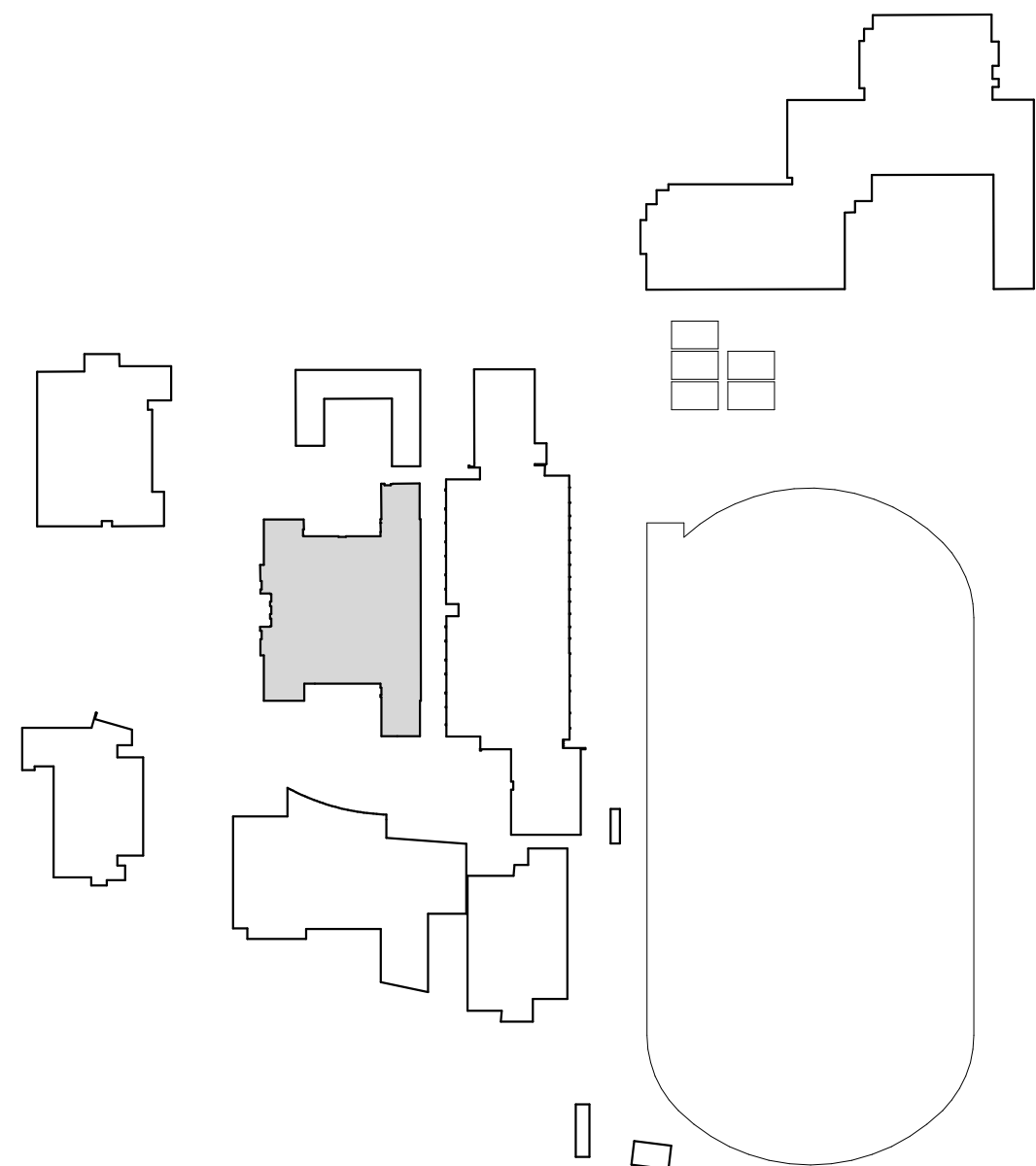
GENERAL RCP NOTES

1. TEMPORARILY REMOVE (E) SUSPENDED CEILING TILES WHERE OCCURS, VIF, FOR INSTALLATION OF (N) FA CONDUIT, WIRING & DEVICES. SALVAGE CEILING TILES AND RE-INSTALL AFTER INSTALLATION OF FIRE ALARM CONDUIT AND DEVICES.
2. SEE ELECTRICAL DRAWINGS FOR EXTENT OF WORK. FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF WORK.
3. COORDINATE WITH THE ARCHITECT IF EXISTING CONDITIONS DIFFERED FROM THE CONSTRUCTION DOCUMENTS PRIOR TO START OF WORK.
4. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.
5. SAW CUT AND REMOVE SECTION OF (E) GYP BD WALL FINISH FOR INSTALLATION OF CONDUIT AND WIRING AT NEW FA DEVICE LOCATIONS. SEE FA PLANS FOR EXACT LOCATION OF NEW WALL MOUNTED DEVICES. PATCH, REPAIR AND PAINT WALL TO MATCH ADJACENT.

RCP SYMBOL LEGEND

- (E) GLUED ON TILES AND GYP BOARD CEILING TO BE REMOVED AND REPLACED FOLLOWING COMPLETION OF FA WORK
- (E) GYP BOARD CEILING TO BE REMOVED AND REPLACED TO MATCH (E). FOLLOWING COMPLETION OF FA WORK PAINT TO MATCH ADJACENT
- (E) PLASTER CEILING
- (E) GYP BD CEILING, TYP. VIF
- DISCONNECT, REMOVE AND SALVAGE (E) SURFACE MOUNTED LIGHT FIXTURES. REINSTALL LIGHT FIXTURES. FOLLOWING COMPLETION OF FA WORK
- DISCONNECT, REMOVE AND SALVAGE (E) SURFACE MOUNTED LIGHT FIXTURES. REINSTALL LIGHT FIXTURES. FOLLOWING COMPLETION OF FA WORK
- 1 HOUR RATED CORRIDOR WALL

BUILDING LOCATION MAP



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Architects, Inc.
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510.446.2222 tel | 510.446.2211 fax
HY Architects Project number: 6020

Facility
SAN RAFAEL HIGH SCHOOL
150 3RD ST, SAN RAFAEL, CA 94901

Project
**FIRE ALARM SYSTEM
UPGRADE**

Sheet Title
**AD BUILDING - REFLECTED
CEILING PLAN - FIRST FLOOR
(BASEMENT)**

Client Project Number: Client Proj. #

Scale: AS NOTED

Drawn By: AK

Checked By: MD

Issue Date: 05/30/23

Revit Version: 2023

A6.01

Sheet 03 of 41

30 AD BUILDING REFLECTED CEILING PLAN - FIRST FLOOR (BASEMENT)
1/8" = 1'-0"



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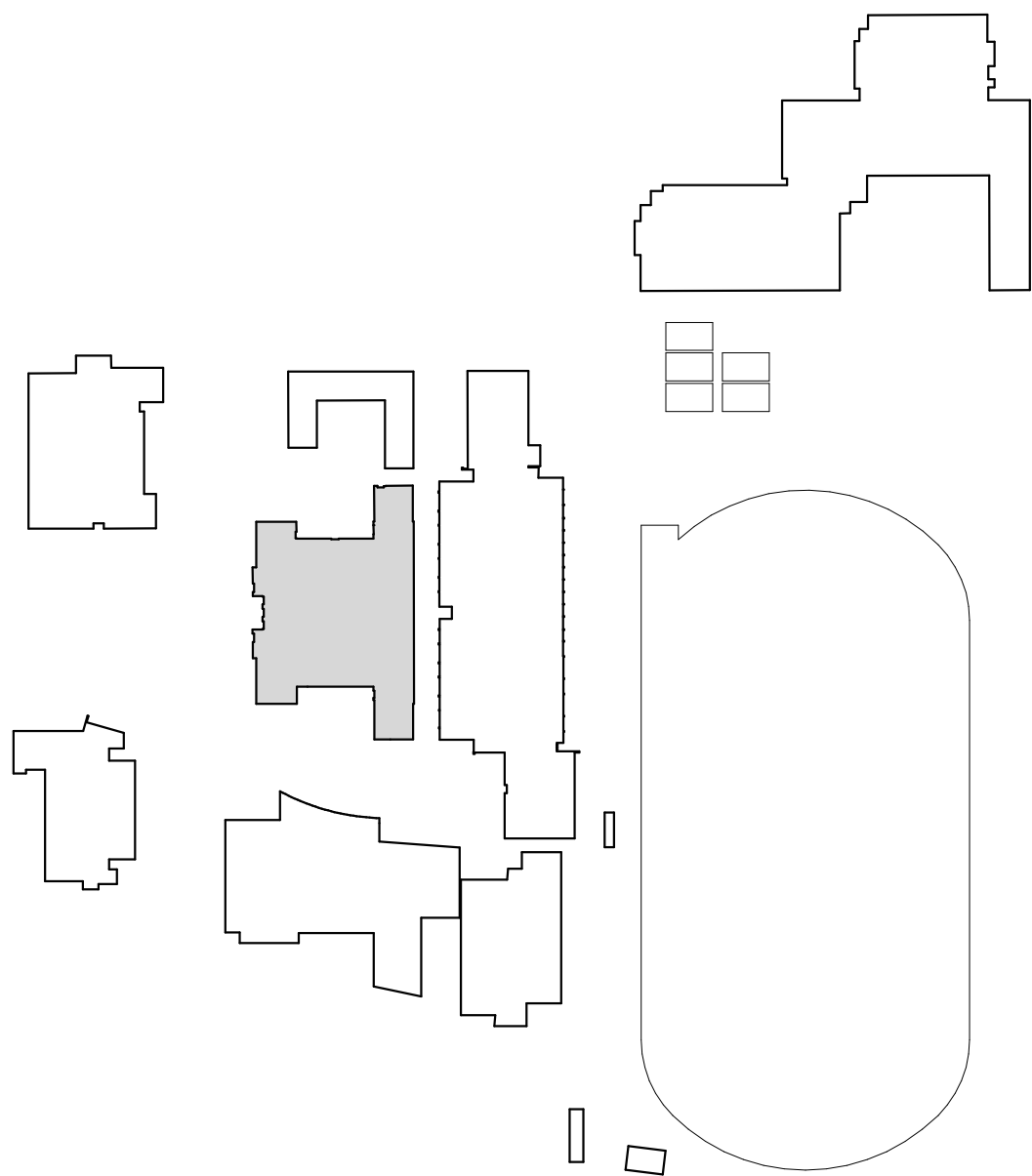
RCP SYMBOL LEGEND

- (E) SUSPENDED CEILING TO BE REMOVED AND REINSTALLED FOLLOWING COMPLETION OF FA WORK
- (E) PLASTER CEILING
- (E) GYP BD CEILING, TYP. VIF
- 2'X2' OR 2'X4' SUSPENDED ACOUSTICAL CEILING, TYP. VIF
- 1 HOUR RATED CORRIDOR WALL

KEYNOTES:

- D2.02 DISCONNECT, REMOVE AND SALVAGE (E) DECORATIVE PENDANT LIGHT FIXTURES AS REQUIRED FOR FA WORK.
- D2.03 TEMPORARILY REMOVE AND SALVAGE (E) SURFACE MOUNTED LIGHT FIXTURE.
- D2.04 TEMPORARILY REMOVE AND SALVAGE (E) ACOUSTICAL PANELS.
- 02.02 REINSTALL SALVAGED (E) DECORATIVE PENDANT LIGHT FIXTURE AT SAME LOCATION.
- 02.03 REINSTALL SALVAGED (E) SURFACE MOUNTED LIGHT FIXTURE AT SAME LOCATION, TYP.
- 02.04 REINSTALL SALVAGED (E) ACOUSTICAL PANELS AT SAME LOCATION, TYP.

BUILDING LOCATION MAP



30 AD BUILDING REFLECTED CEILING PLAN - SECOND FLOOR

1/8" = 1'-0"

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Project
**FIRE ALARM SYSTEM
UPGRADE**

Sheet Title
**AD BUILDING - REFLECTED
CEILING PLAN - SECOND
FLOOR**

Client Project Number: Client Proj. #

Scale: AS NOTED

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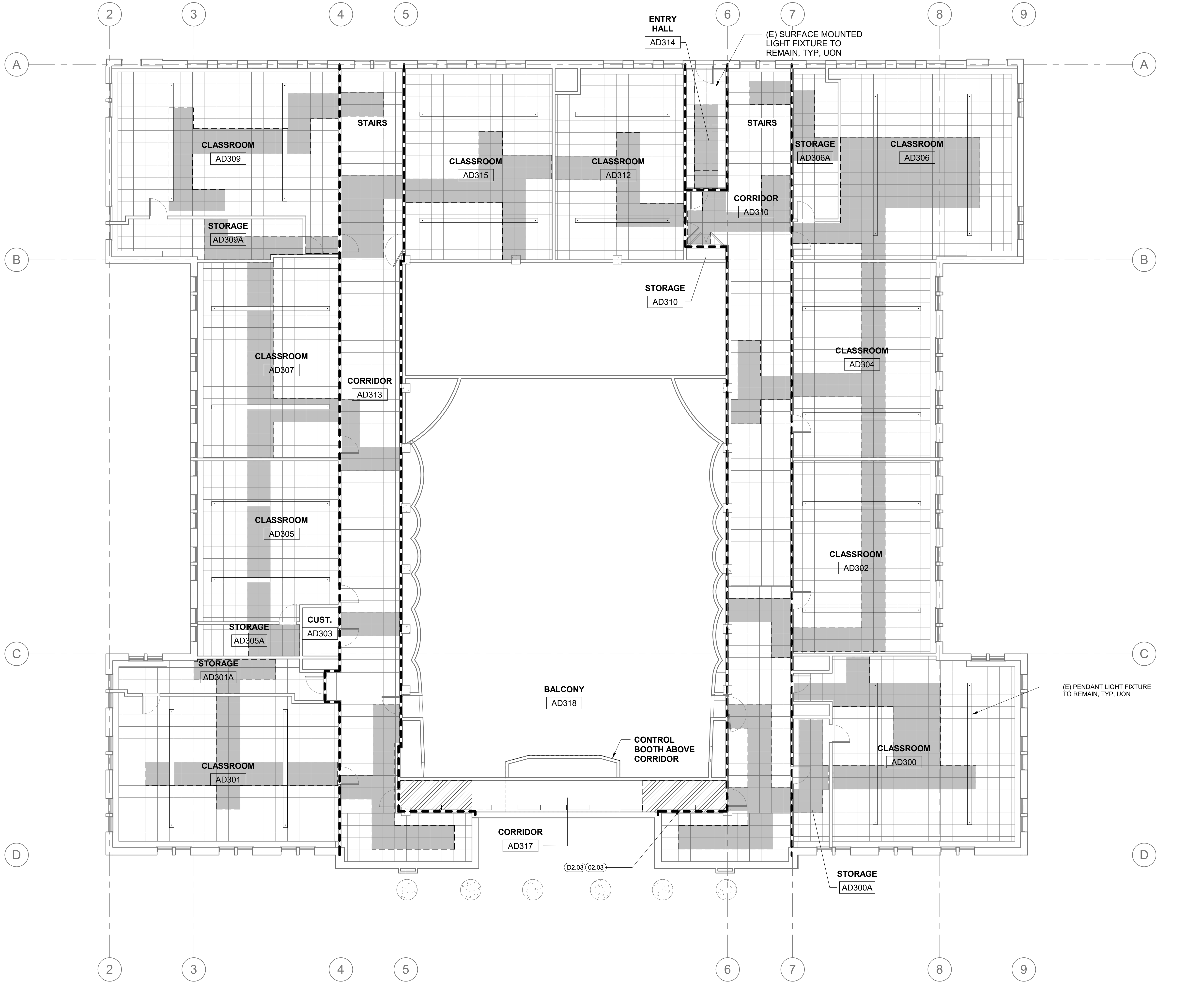
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25 AD BUILDING REFLECTED CEILING PLAN - THIRD FLOOR
1/8" = 1'-0"

GENERAL RCP NOTES

1. TEMPORARILY REMOVE (E) SUSPENDED CEILING TILES WHERE OCCURS, VIF, FOR INSTALLATION OF (N) FA CONDUIT, WIRING & DEVICES. SALVAGE CEILING TILES AND RE-INSTALL AFTER INSTALLATION OF FIRE ALARM CONDUIT AND DEVICES.
2. SEE ELECTRICAL DRAWINGS FOR EXTENT OF WORK. FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF WORK.
3. COORDINATE WITH THE ARCHITECT IF EXISTING CONDITIONS DIFFERED FROM THE CONSTRUCTION DOCUMENTS PRIOR TO START OF WORK.
4. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.
5. SAW CUT AND REMOVE SECTION OF (E) GYP BD WALL FINISH FOR INSTALLATION OF CONDUIT AND WIRING AT NEW FA DEVICE LOCATIONS, SEE FA PLANS FOR EXACT LOCATION OF NEW WALL MOUNTED DEVICES. PATCH, REPAIR AND PAINT WALL TO MATCH ADJACENT.

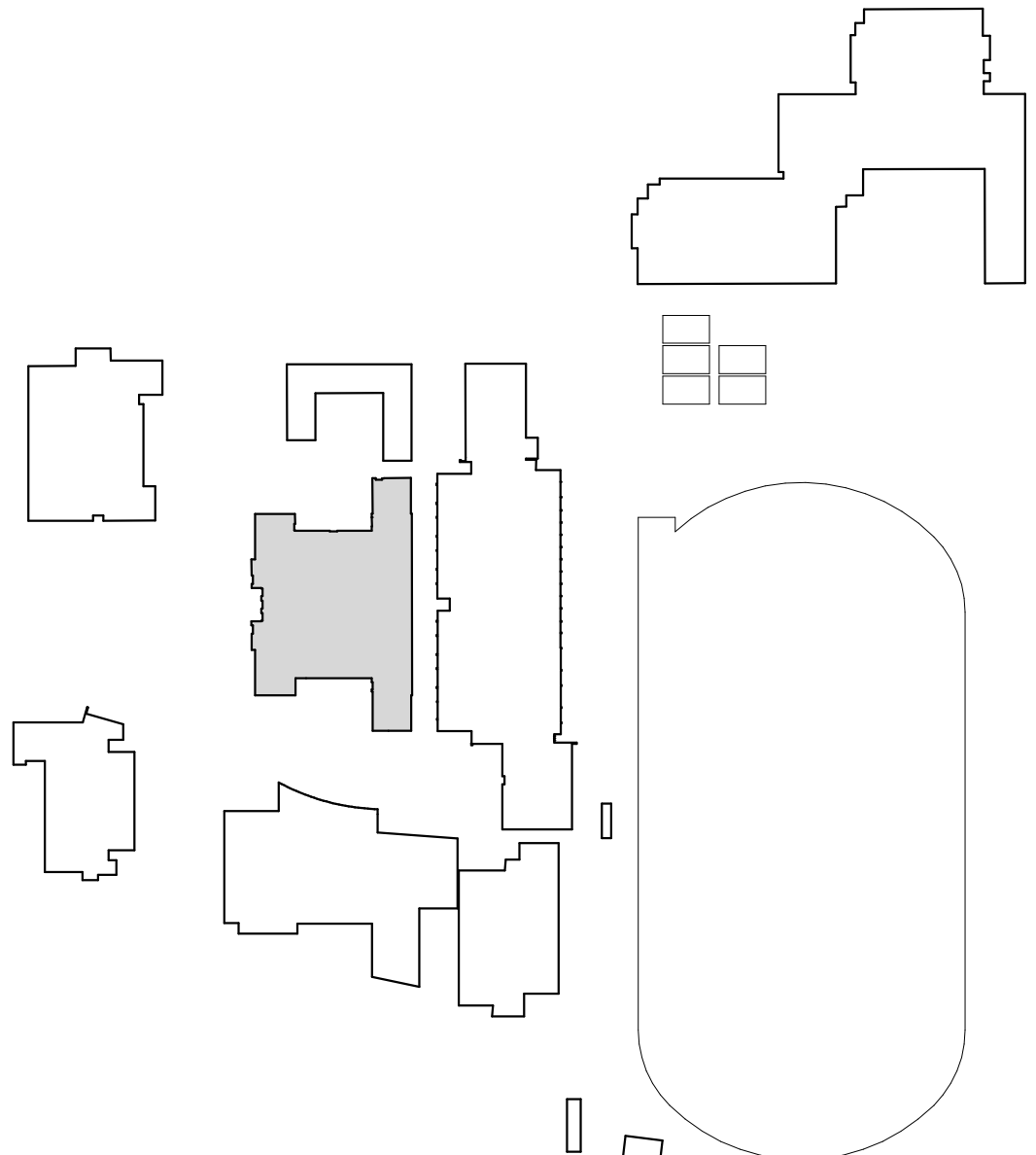
RCP SYMBOL LEGEND

- (E) SUSPENDED CEILING TO BE REMOVED AND REINSTALLED FOLLOWING COMPLETION OF FA WORK
- (E) PLASTER CEILING
- (E) GYP BD CEILING, TYP. VIF
- 2'X2' OR 2'X4' SUSPENDED ACOUSTICAL CEILING, TYP. VIF
- 1 HOUR RATED CORRIDOR WALL

KEYNOTES:

- | | |
|--------------|---|
| D2.02 | DISCONNECT, REMOVE AND SALVAGE (E) DECORATIVE PENDANT LIGHT FIXTURES AS REQUIRED FOR FA WORK. |
| D2.03 | TEMPORARILY REMOVE AND SALVAGE (E) SURFACE MOUNTED LIGHT FIXTURE. |
| D2.04 | TEMPORARILY REMOVE AND SALVAGE (E) ACOUSTICAL PANELS. |
| 02.02 | REINSTALL SALVAGED (E) DECORATIVE PENDANT LIGHT FIXTURE AT SAME LOCATION. |
| 02.03 | REINSTALL SALVAGED (E) SURFACE MOUNTED LIGHT FIXTURE AT SAME LOCATION, TYP. |
| 02.04 | REINSTALL SALVAGED (E) ACOUSTICAL PANELS AT SAME LOCATION, TYP. |

BUILDING LOCATION MAP

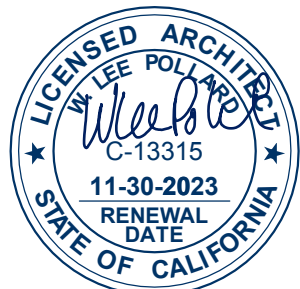


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HY Architects Project number: 6020

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150 3RD ST, SAN RAFAEL, CA 94901

Project
**FIRE ALARM SYSTEM
UPGRADE**

Sheet Title
**AD BUILDING - REFLECTED
CEILING PLAN - THIRD FLOOR**

Client Project Number: Client Proj. #

Scale: AS NOTED Sheet

Drawn By: AK

Checked By: MD

Issue Date: 05/30/23

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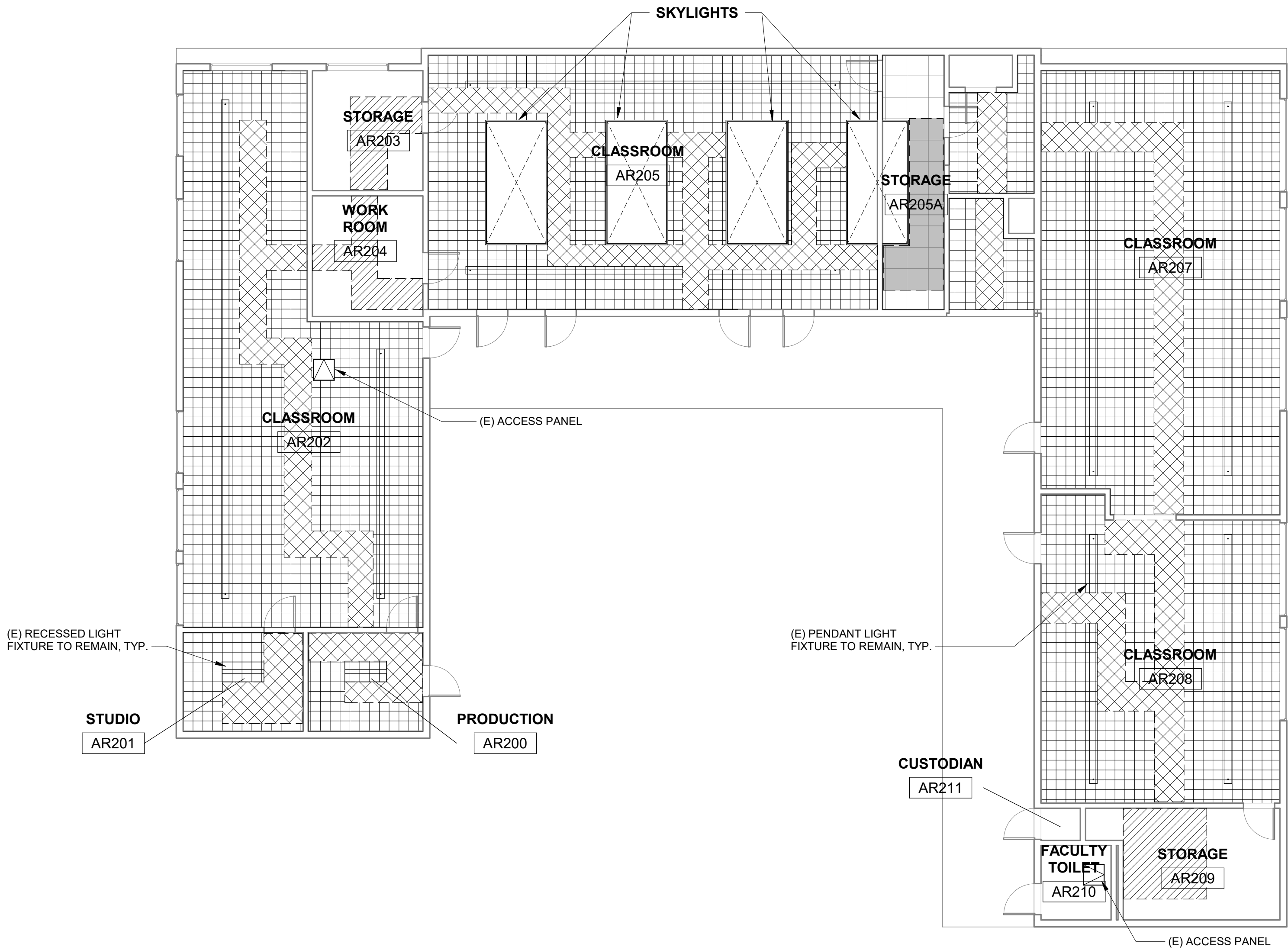
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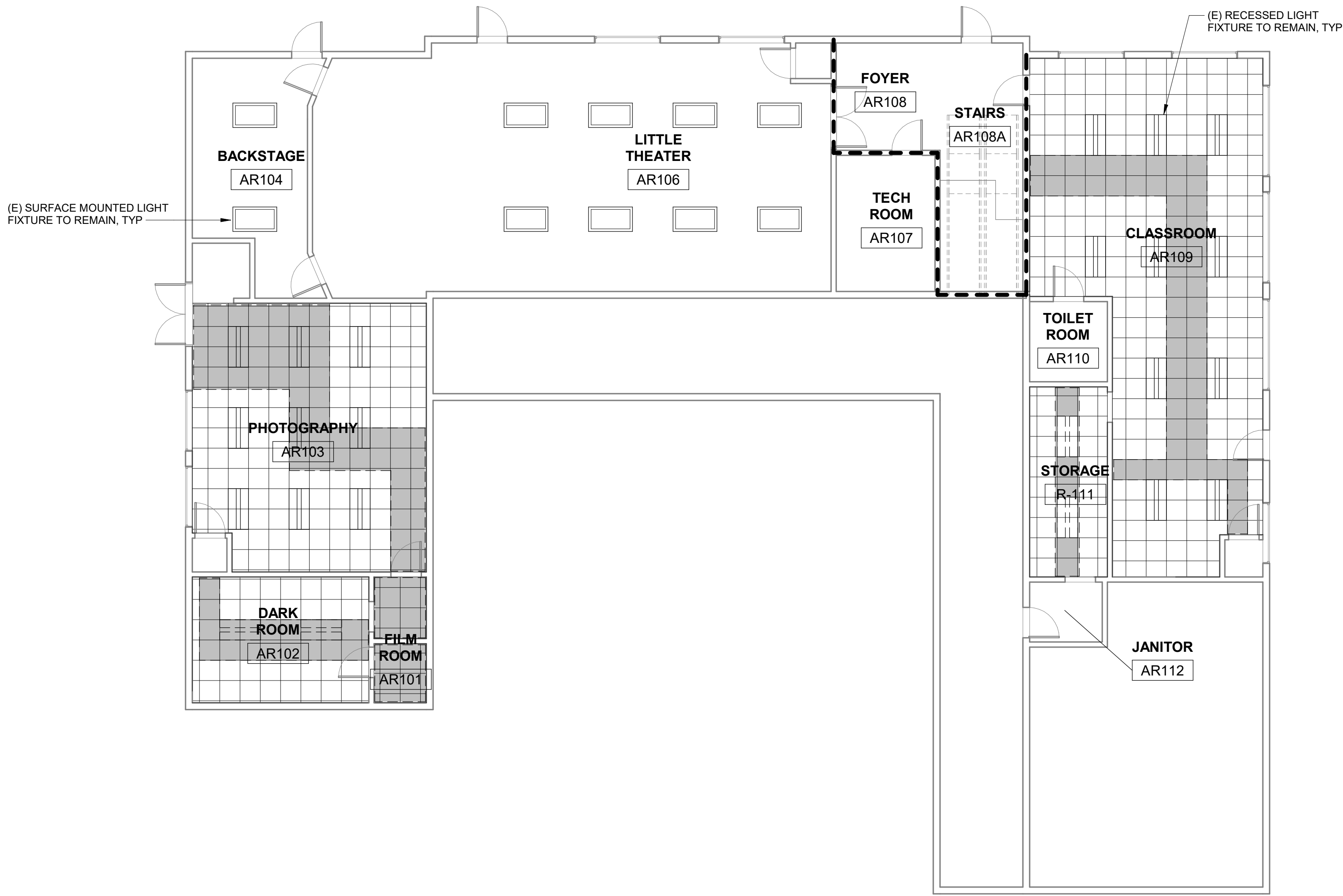
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DATE: 11/7/2023



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Delta	Date	Revisions	By



18 AR BUILDING REFLECTED CEILING PLAN - SECOND FLOOR
1/8" = 1'-0"



20 AR BUILDING REFLECTED CEILING PLAN - FIRST FLOOR
1/8" = 1'-0"

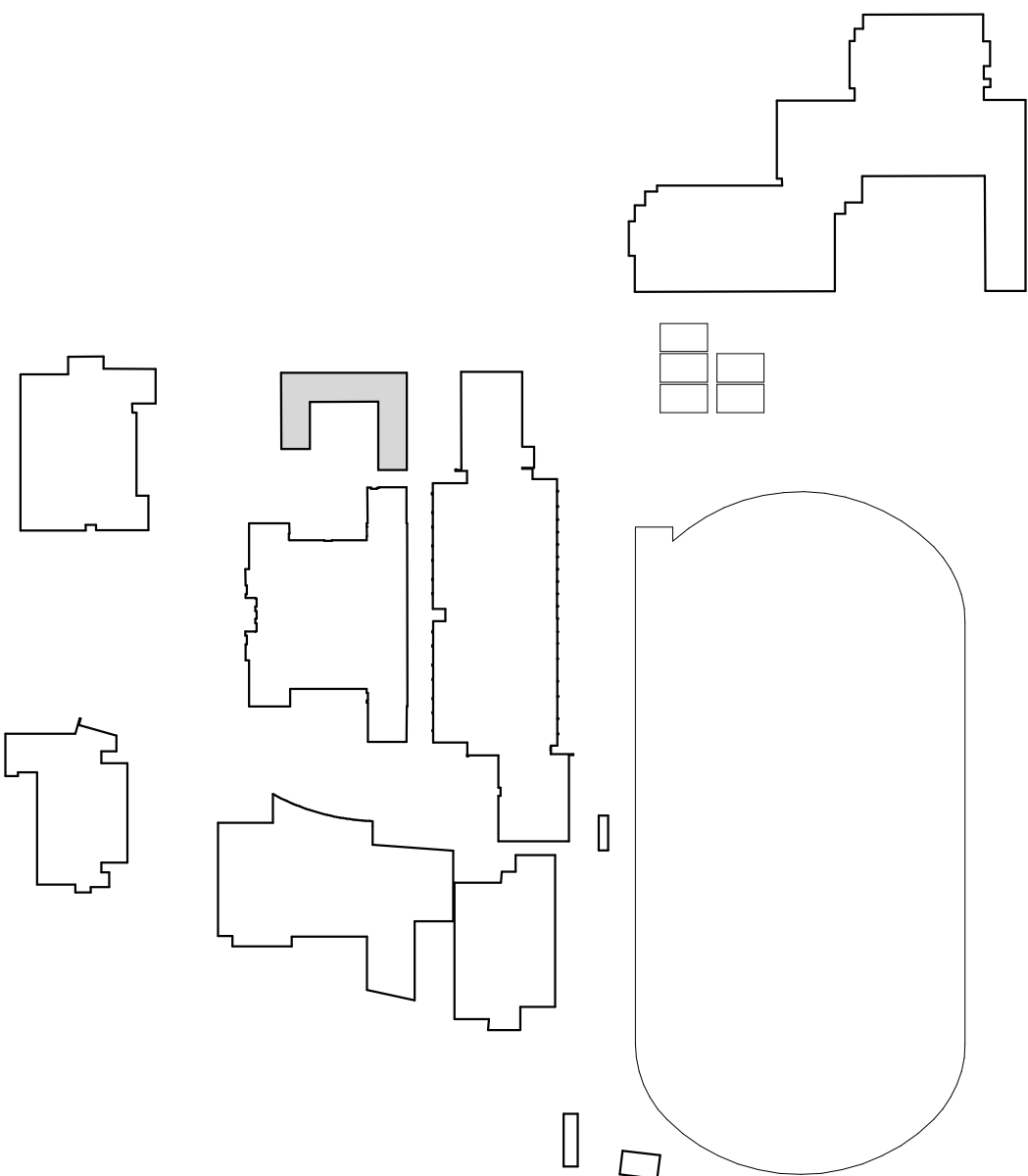
GENERAL RCP NOTES

1. TEMPORARILY REMOVE (E) SUSPENDED CEILING TILES WHERE OCCURS, VIF, FOR INSTALLATION OF (N) FA CONDUIT, WIRING & DEVICES. SALVAGE CEILING TILES AND RE-INSTALL AFTER INSTALLATION OF FIRE ALARM CONDUIT AND DEVICES
2. SEE ELECTRICAL DRAWINGS FOR EXTENT OF WORK. FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF WORK
3. COORDINATE WITH THE ARCHITECT IF EXISTING CONDITIONS DIFFERED FROM THE CONSTRUCTION DOCUMENTS PRIOR TO START OF WORK
4. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA
5. SAW CUT AND REMOVE SECTION OF (E) GYP BD WALL FINISH FOR INSTALLATION OF CONDUIT AND WIRING AT NEW FA DEVICE LOCATIONS. SEE FA PLANS FOR EXACT LOCATION OF NEW WALL MOUNTED DEVICES. PATCH, REPAIR AND PAINT WALL TO MATCH ADJACENT.

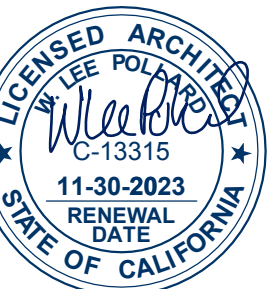
RCP SYMBOL LEGEND

- (E) GLUED ON TILES AND GYP BOARD CEILING TO BE REMOVED AND REPLACED FOLLOWING COMPLETION OF FA WORK
- (E) GYP BOARD CEILING TO BE REMOVED AND REPLACED TO MATCH (E). FOLLOWING COMPLETION OF FA WORK PAINT TO MATCH ADJACENT
- (E) SUSPENDED CEILING TO BE REMOVED AND REINSTALLED FOLLOWING COMPLETION OF FA WORK
- (E) GYP BD CEILING, TYP. VIF
- 2'X2' OR 2'X4' SUSPENDED ACOUSTICAL CEILING, TYP, VIF
- 1 HOUR RATED CORRIDOR WALL

BUILDING LOCATION MAP



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HY Architects Project number: 6020

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150 3RD ST, SAN RAFAEL, CA 94901

Project
**FIRE ALARM SYSTEM
UPGRADE**

Sheet Title
**AR BUILDING - REFLECTED
CEILING PLANS**

Client Project Number: Client Proj. #

Scale: AS NOTED
Drawn By: AK
Checked By: MD
Issue Date: 05/30/23
Revit Version: 2023

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A6.04
Sheet 06 of 41

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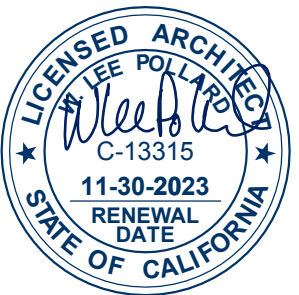
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HY HIBSER YAMAUCHI
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HY Architects Project number: 6020

Facility
SAN RAFAEL HIGH SCHOOL
150 3RD ST, SAN RAFAEL, CA 94901

Project
**FIRE ALARM SYSTEM
UPGRADE**

Sheet Title
**LA BUILDING - REFLECTED
CEILING PLAN FIRST FLOOR
(BASEMENT)**

Client Project Number: Client Proj. #

Scale: AS NOTED
Drawn By: AK
Checked By: MD
Issue Date: 05/30/23
Revit Version: 2023

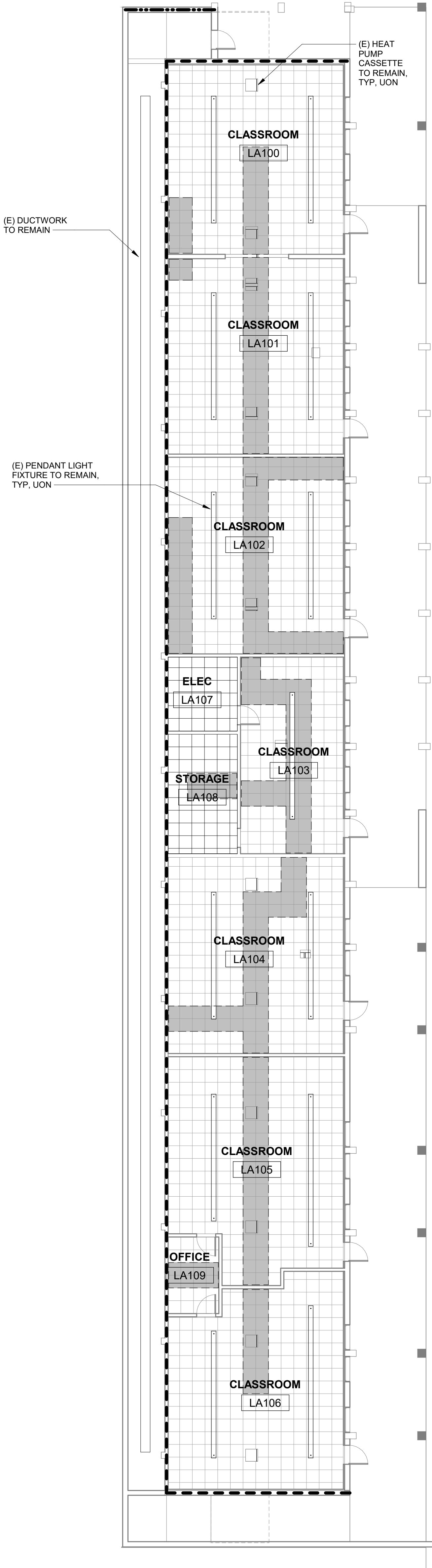
Sheet
A6.05
Sheet 07 of 41

GENERAL RCP NOTES

1. TEMPORARILY REMOVE (E) SUSPENDED CEILING TILES WHERE OCCURS, VIF, FOR INSTALLATION OF (N) FA CONDUIT, WIRING & DEVICES. SALVAGE CEILING TILES AND RE-INSTALL AFTER INSTALLATION OF FIRE ALARM CONDUIT AND DEVICES
2. SEE ELECTRICAL DRAWINGS FOR EXTENT OF WORK. FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF WORK
3. COORDINATE WITH THE ARCHITECT IF EXISTING CONDITIONS DIFFERED FROM THE CONSTRUCTION DOCUMENTS PRIOR TO START OF WORK
4. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA
5. SAW CUT AND REMOVE SECTION OF (E) GYP BD WALL FINISH FOR INSTALLATION OF CONDUIT AND WIRING AT NEW FA DEVICE LOCATIONS. SEE FA PLANS FOR EXACT LOCATION OF NEW WALL MOUNTED DEVICES. PATCH, REPAIR AND PAINT WALL TO MATCH ADJACENT.

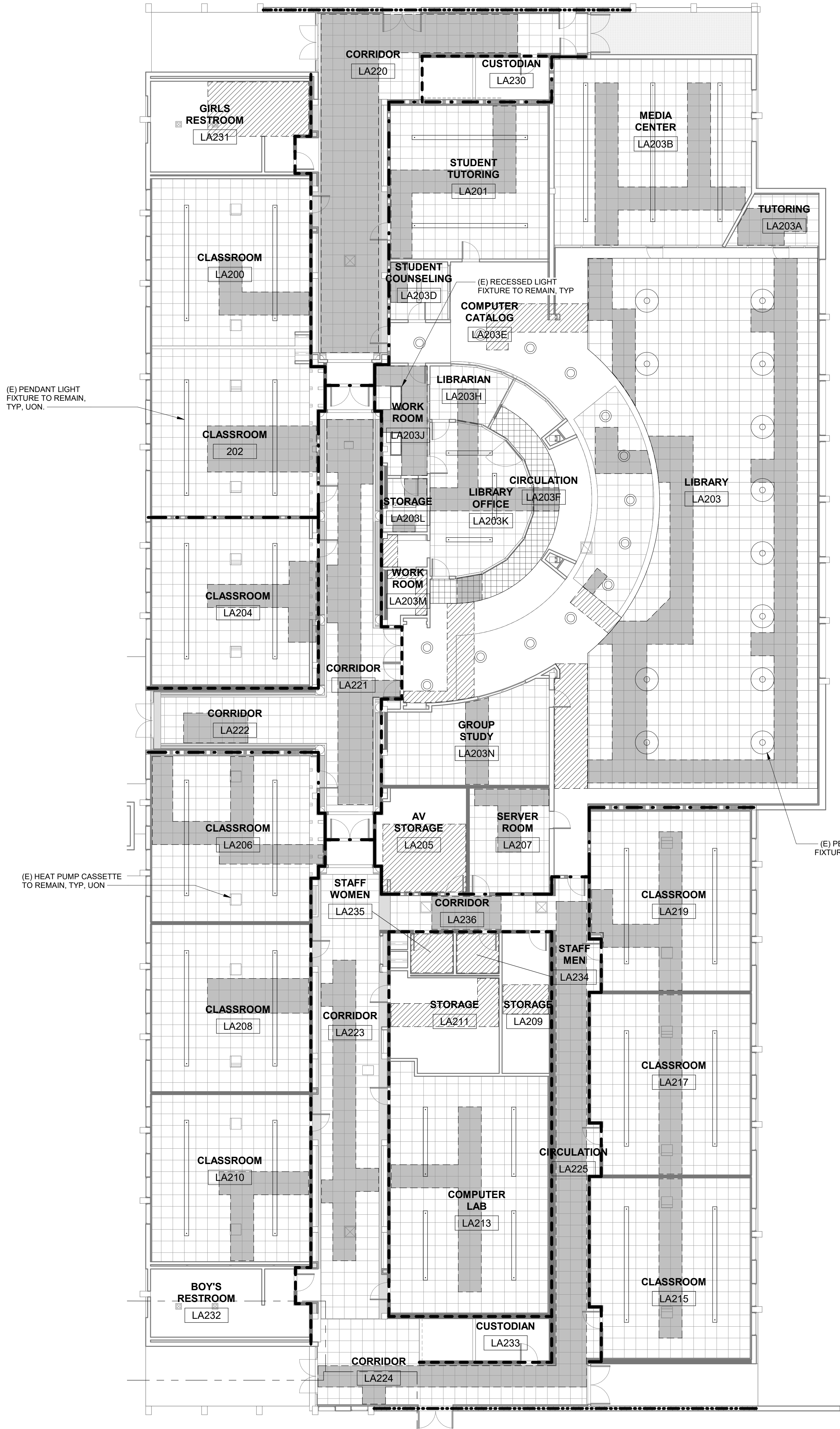
RCP SYMBOL LEGEND

- (E) SUSPENDED CEILING TO BE REMOVED AND REINSTALLED FOLLOWING COMPLETION OF FA WORK
- (E) GYP BD CEILING, TYP. VIF
- 2'X2' OR 2'X4' SUSPENDED ACOUSTICAL CEILING, TYP. VIF
- 1 HOUR RATED CORRIDOR WALL



15 LA BUILDING REFLECTED CEILING PLAN - FIRST FLOOR (BASEMENT)
1" = 10'-0"

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20 LA BUILDING REFLECTED CEILING PLAN - SECOND FLOOR
1" = 10'-0"

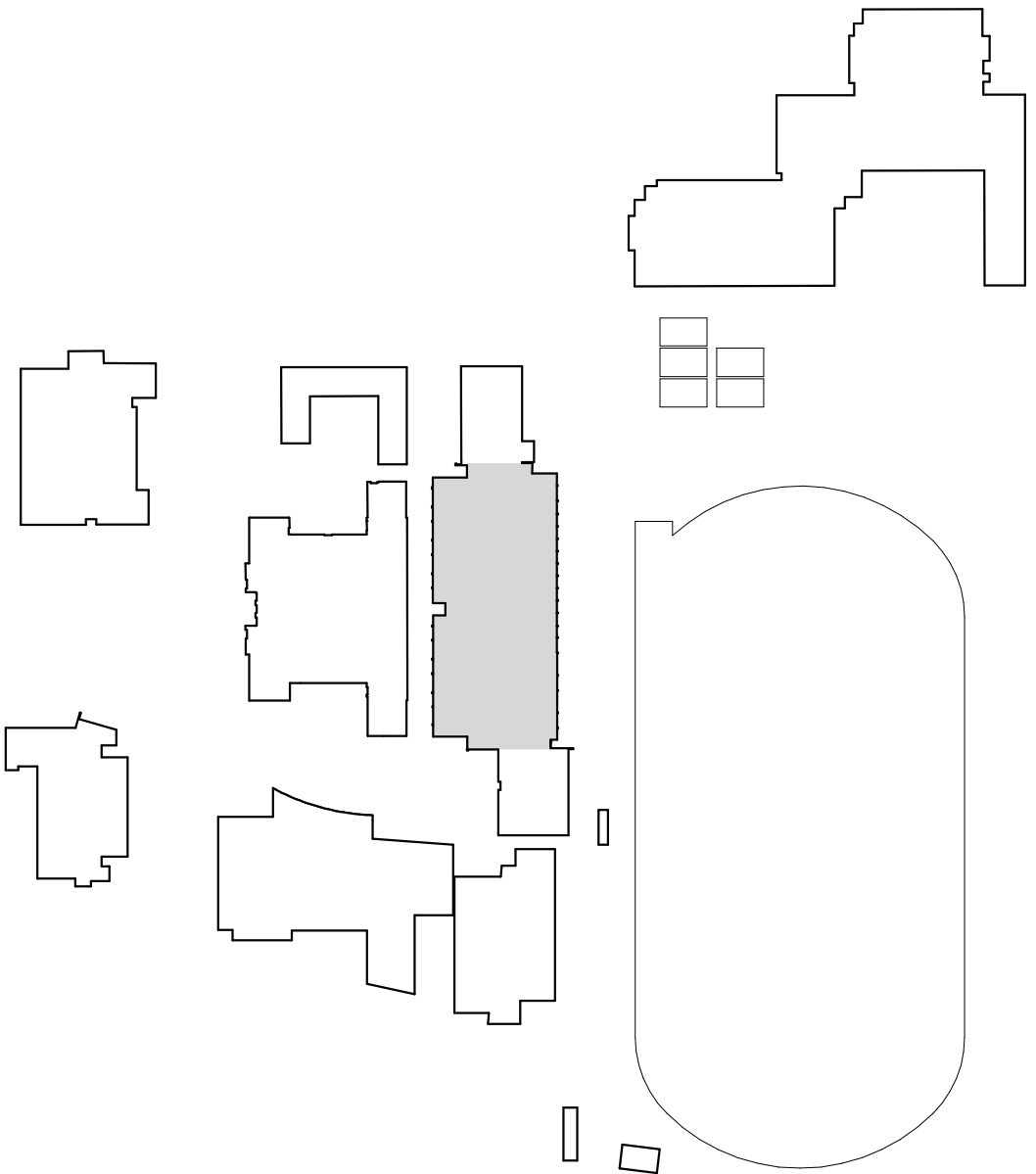
GENERAL RCP NOTES

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RCP SYMBOL LEGEND

- (E) GYP BOARD CEILING TO BE REMOVED AND REPLACED TO MATCH (E). FOLLOWING COMPLETION OF FA WORK PAINT TO MATCH ADJACENT
- (E) SUSPENDED CEILING TO BE REMOVED AND REINSTALLED FOLLOWING COMPLETION OF FA WORK
- (E) GYP BD CEILING, TYP. VIF
- 2'X2' OR 2'X4' SUSPENDED ACOUSTICAL CEILING, TYP. VIF
- 1 HOUR RATED CORRIDOR WALL
- 2 HOUR RATED CORRIDOR WALL
- 4 HOUR RATED CORRIDOR WALL

BUILDING LOCATION MAP

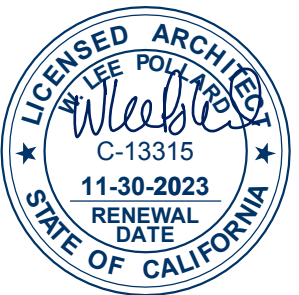


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HY Architects Project number: 6020

Facility
SAN RAFAEL HIGH SCHOOL
150 3RD ST, SAN RAFAEL, CA 94901

Project
**FIRE ALARM SYSTEM
UPGRADE**

Sheet Title
**LA BUILDING - REFLECTED
CEILING PLAN - SECOND
FLOOR**

Client Project Number: Client Proj. #

Scale: AS NOTED
Drawn By: AK
Checked By: MD
Issue Date: 05/30/23
Revit Version: 2023
Sheet
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Sheet 08 of 41

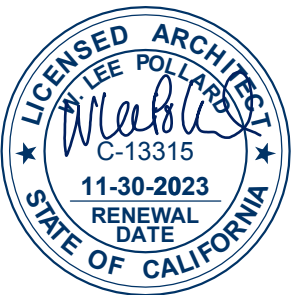


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Facility
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150 3RD ST, SAN RAFAEL, CA 94901

Project
**FIRE ALARM SYSTEM
UPGRADE**

Sheet Title
**LA BUILDING - REFLECTED
CEILING PLAN - THIRD FLOOR**

Client Project Number: Client Proj. #

Scale: AS NOTED
Drawn By: AK
Checked By: MD
Issue Date: 05/30/23
Revit Version: 2023
Sheet 09 of 41

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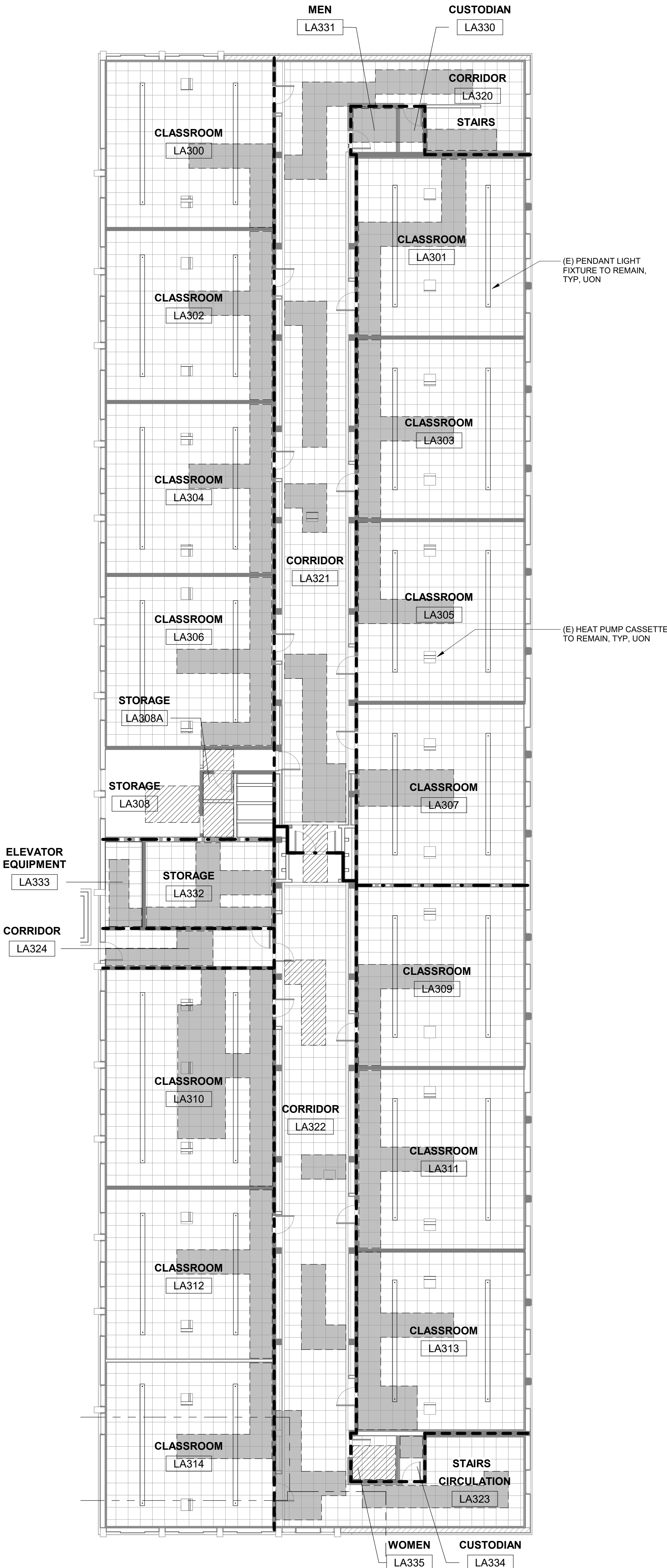
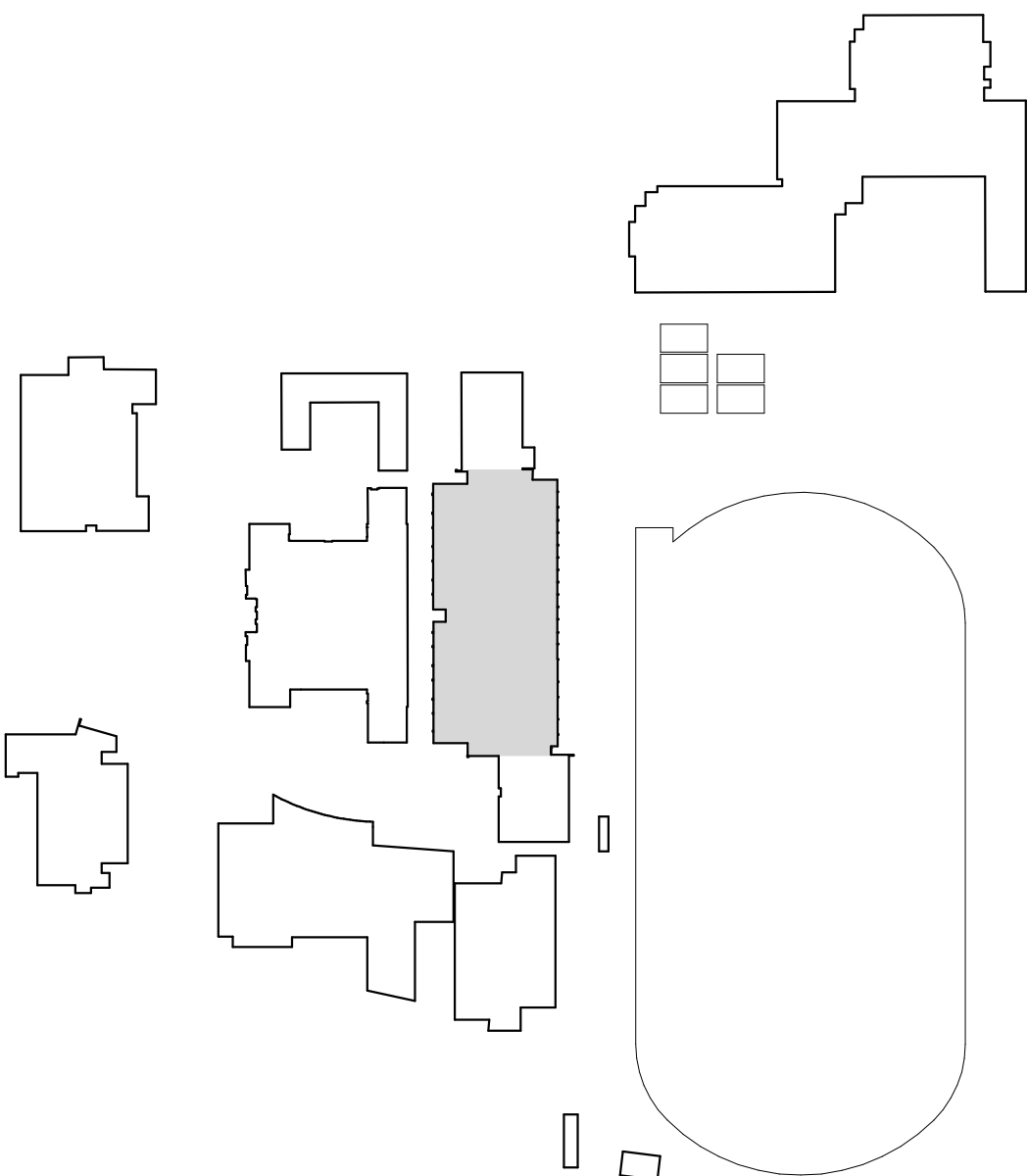
GENERAL RCP NOTES

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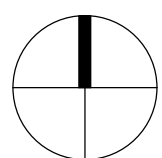
RCP SYMBOL LEGEND

- (E) GYP BOARD CEILING TO BE REMOVED AND REPLACED TO MATCH (E). FOLLOWING COMPLETION OF FA WORK PAINT TO MATCH ADJACENT
- (E) SUSPENDED CEILING TO BE REMOVED AND REINSTALLED FOLLOWING COMPLETION OF FA WORK
- (E) GYP BD CEILING, TYP. VIF
- 2'X2' OR 2'X4' SUSPENDED ACOUSTICAL CEILING, TYP. VIF
- 1 HOUR RATED CORRIDOR WALL
- 2 HOUR RATED CORRIDOR WALL

BUILDING LOCATION MAP



20 LA BUILDING REFLECTED CEILING PLAN - THIRD FLOOR
1" = 10'-0"



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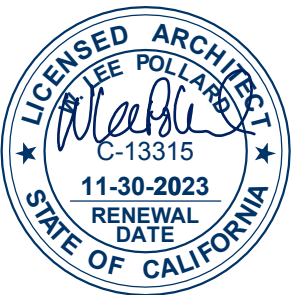


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HY Architects Project number: 6020

Facility
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150 3RD ST, SAN RAFAEL, CA 94901

Project
**FIRE ALARM SYSTEM
UPGRADE**

Sheet Title
**MU BUILDING - REFLECTED
CEILING PLAN**

Client Project Number: Client Proj. #

Scale: AS NOTED	Sheet
Drawn By: AK	A6.08
Checked By: MD	
Issue Date: 05/30/23	
Revit Version: 2023	Sheet 10 of 41

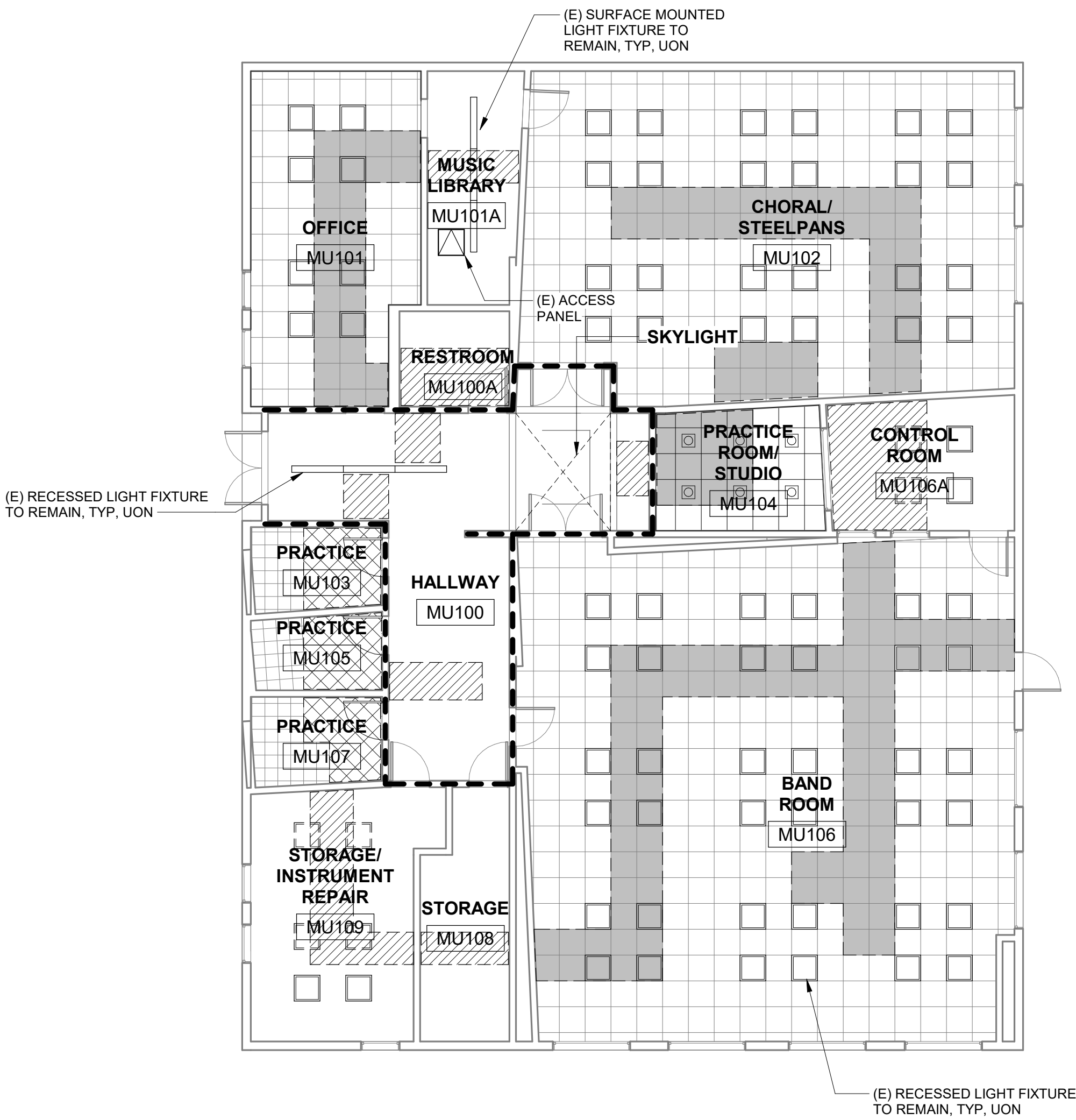
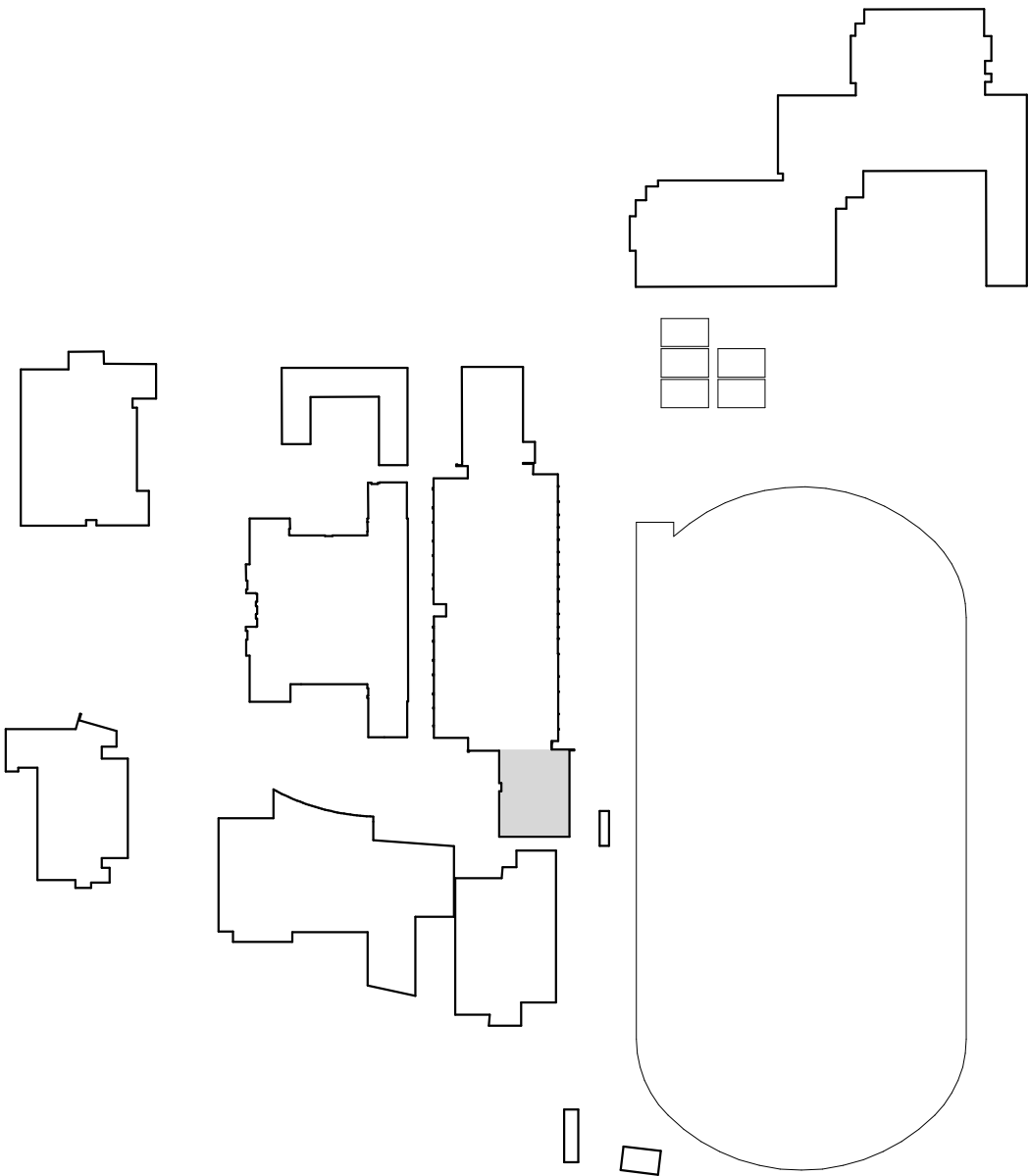
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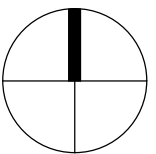
RCP SYMBOL LEGEND

- (E) GLUED ON TILES AND GYP BOARD CEILING TO BE REMOVED AND REPLACED FOLLOWING COMPLETION OF FA WORK
- (E) GYP BOARD CEILING TO BE REMOVED AND REPLACED TO MATCH (E), FOLLOWING COMPLETION OF FA WORK PAINT TO MATCH ADJACENT
- (E) SUSPENDED CEILING TO BE REMOVED AND REINSTALLED FOLLOWING COMPLETION OF FA WORK
- (E) GYP BD CEILING, TYP. VIF
- 2'X2' OR 2'X4' SUSPENDED ACOUSTICAL CEILING, TYP. VIF
- DISCONNECT, REMOVE AND SALVAGE (E) SURFACE MOUNTED LIGHT FIXTURES. REINSTALL LIGHT FIXTURES. FOLLOWING COMPLETION OF FA WORK
- 1 HOUR RATED CORRIDOR WALL

BUILDING LOCATION MAP



15 MU BUILDING REFLECTED CEILING PLAN
1/8" = 1'-0"



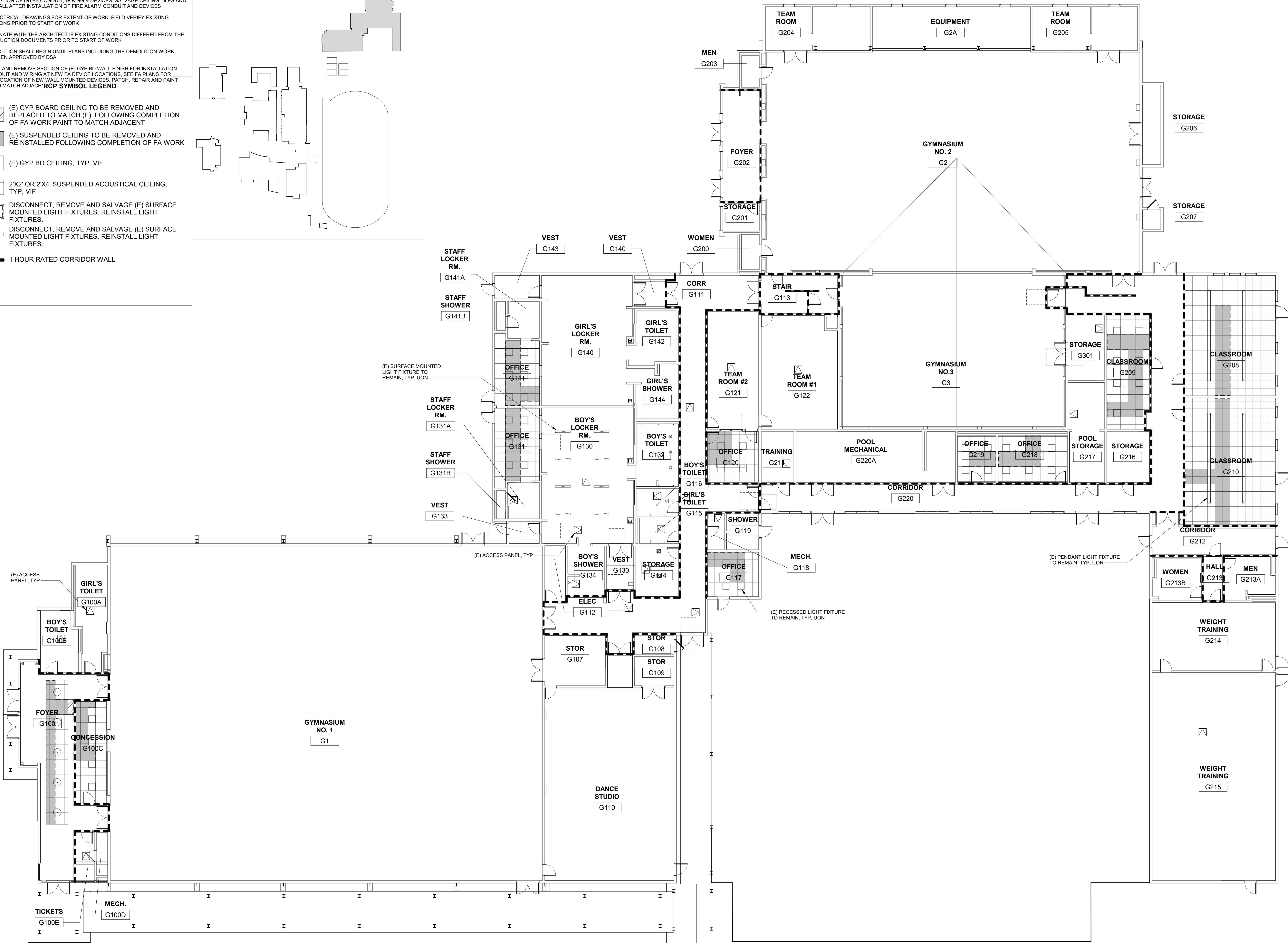
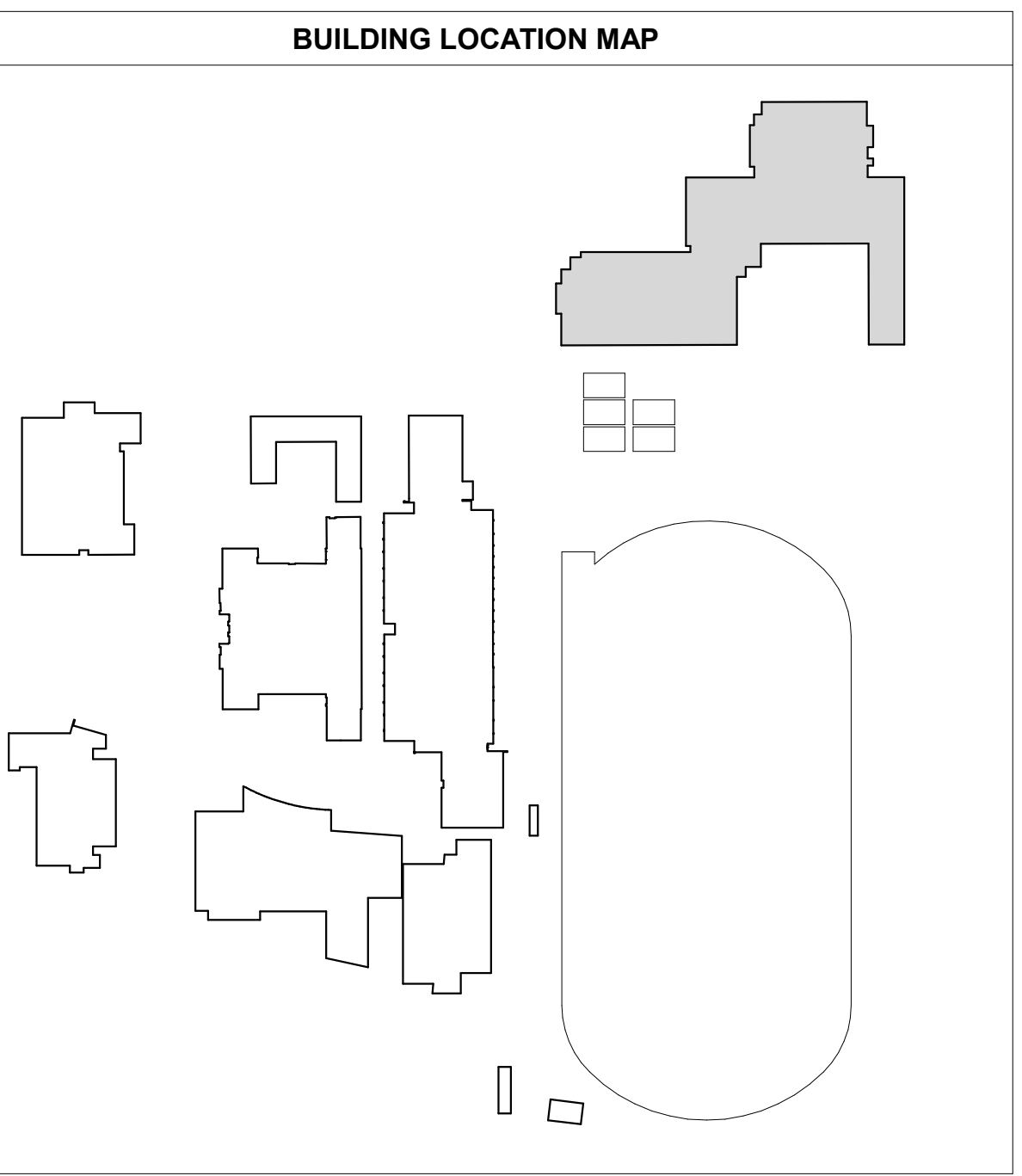


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- GENERAL RCP NOTES**
- TEMPORARILY REMOVE (E) SUSPENDED CEILING TILES WHERE OCCURS. VIF, FOR INSTALLATION OF (N) FA CONDUIT, WIRING & DEVICES. SALVAGE CEILING TILES AND RE-INSTALL AFTER INSTALLATION OF FIRE ALARM CONDUIT AND DEVICES
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- RCP SYMBOL LEGEND**
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 - (E) SUSPENDED CEILING TO BE REMOVED AND REINSTALLED FOLLOWING COMPLETION OF FA WORK
 - (E) GYP BD CEILING, TYP. VIF
 - 2'X2' OR 2'X4' SUSPENDED ACOUSTICAL CEILING, TYP. VIF
 - DISCONNECT, REMOVE AND SALVAGE (E) SURFACE MOUNTED LIGHT FIXTURES. REINSTALL LIGHT FIXTURES.
 - DISCONNECT, REMOVE AND SALVAGE (E) SURFACE MOUNTED LIGHT FIXTURES. REINSTALL LIGHT FIXTURES.
 - 1 HOUR RATED CORRIDOR WALL





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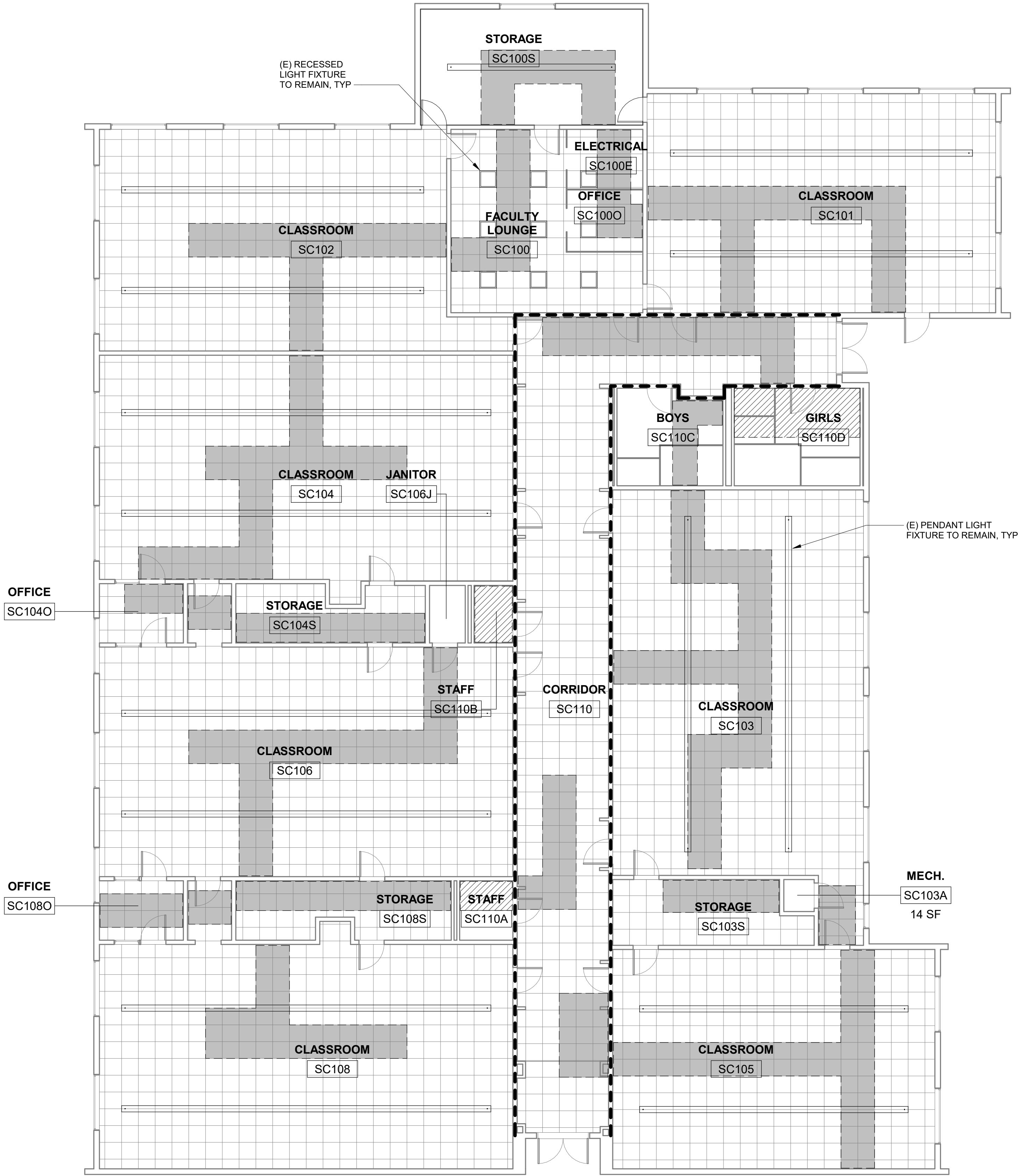
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DATE: 11/7/2023



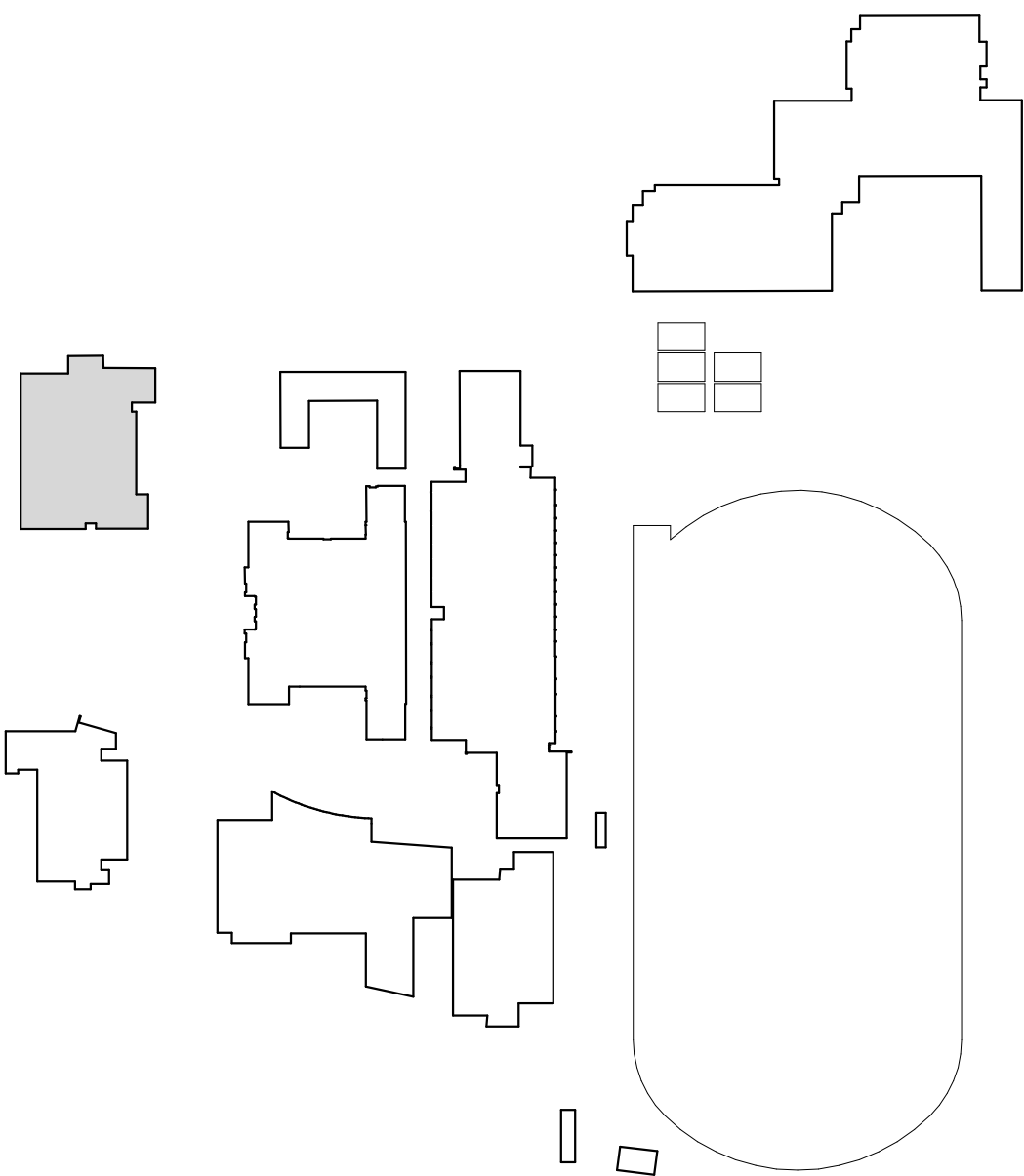
Delta	Date	Revisions	By
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- GENERAL RCP NOTES**
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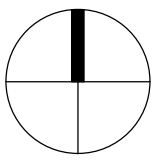
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- (E) GYP BOARD CEILING TO BE REMOVED AND REPLACED TO MATCH (E). FOLLOWING COMPLETION OF FA WORK PAINT TO MATCH ADJACENT
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 - 1 HOUR RATED CORRIDOR WALL



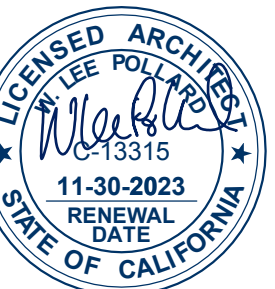
BUILDING LOCATION MAP



20 SC BUILDING REFLECTED CEILING PLAN
1/8" = 1'-0"



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HY Architects Project number: 6020

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150 3RD ST, SAN RAFAEL, CA 94901

Project
FIRE ALARM SYSTEM UPGRADE

Sheet Title
SC BUILDING - REFLECTED CEILING PLAN

Client Project Number: Client Proj. #

Scale: AS NOTED
Drawn By: AK
Checked By: MD
Issue Date: 05/30/23
Revit Version: 2023

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Sheet 12 of 41

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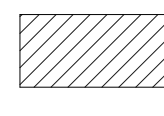

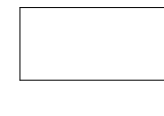
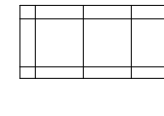

SR SAN RAFAEL
CITY SCHOOLS

Revisions
Delta Date Revisions By

GENERAL RCP NOTES

1. TEMPORARILY REMOVE (E) SUSPENDED CEILING TILES WHERE OCCURS, VIF, FOR INSTALLATION OF (N) FA CONDUIT, WIRING & DEVICES. SALVAGE CEILING TILES AND RE-INSTALL AFTER INSTALLATION OF FIRE ALARM CONDUIT AND DEVICES
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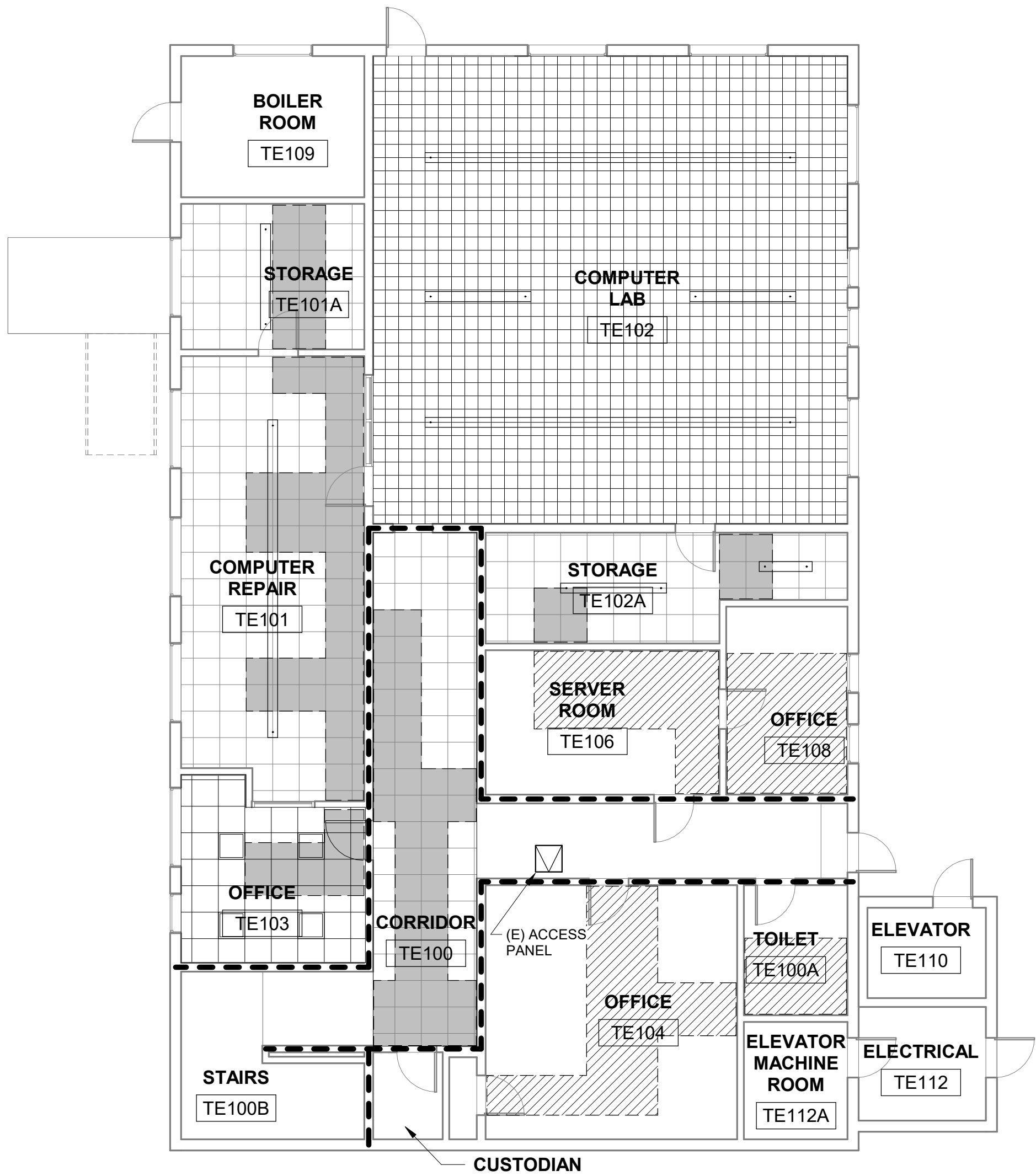
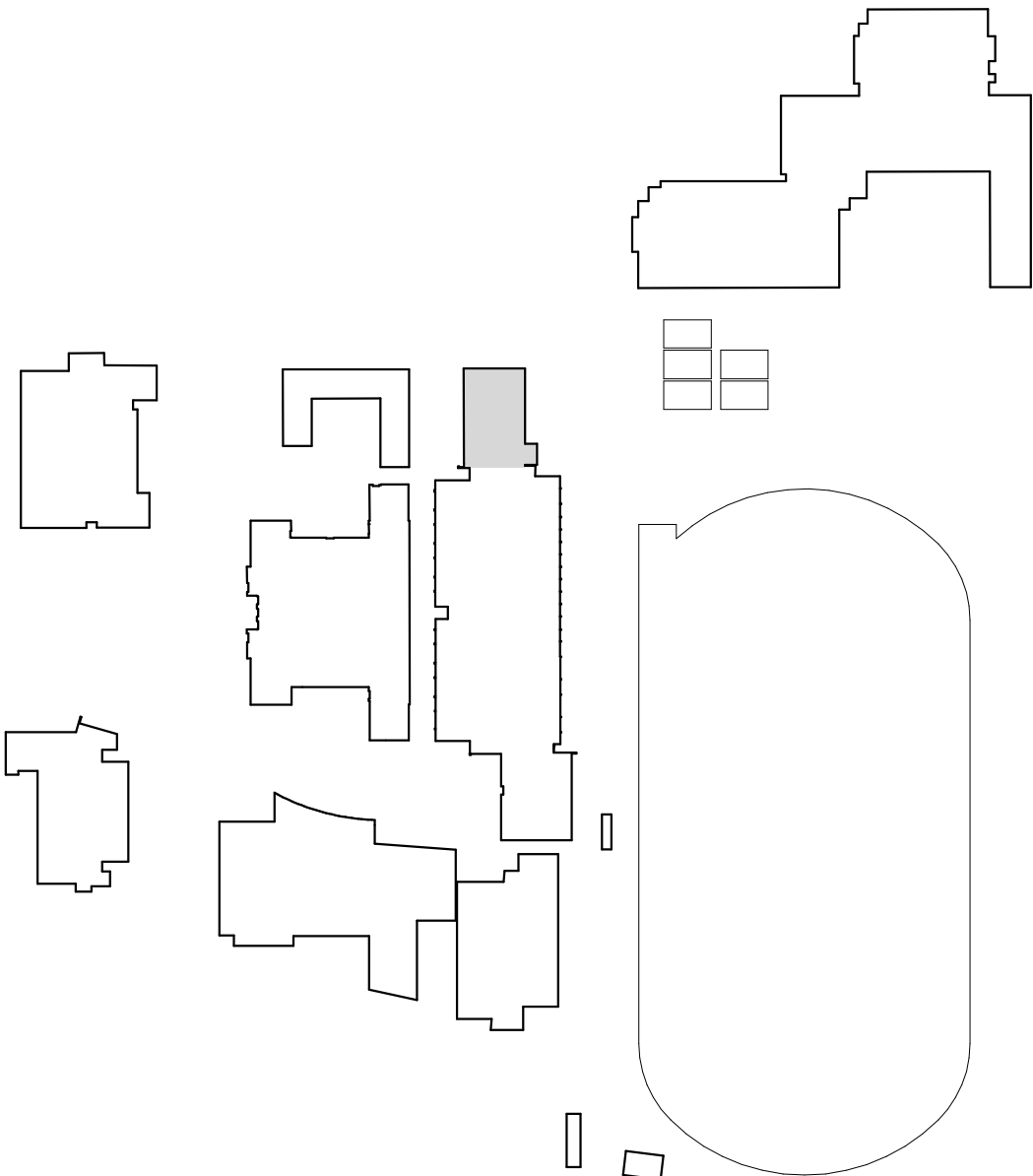
RCP SYMBOL LEGEND

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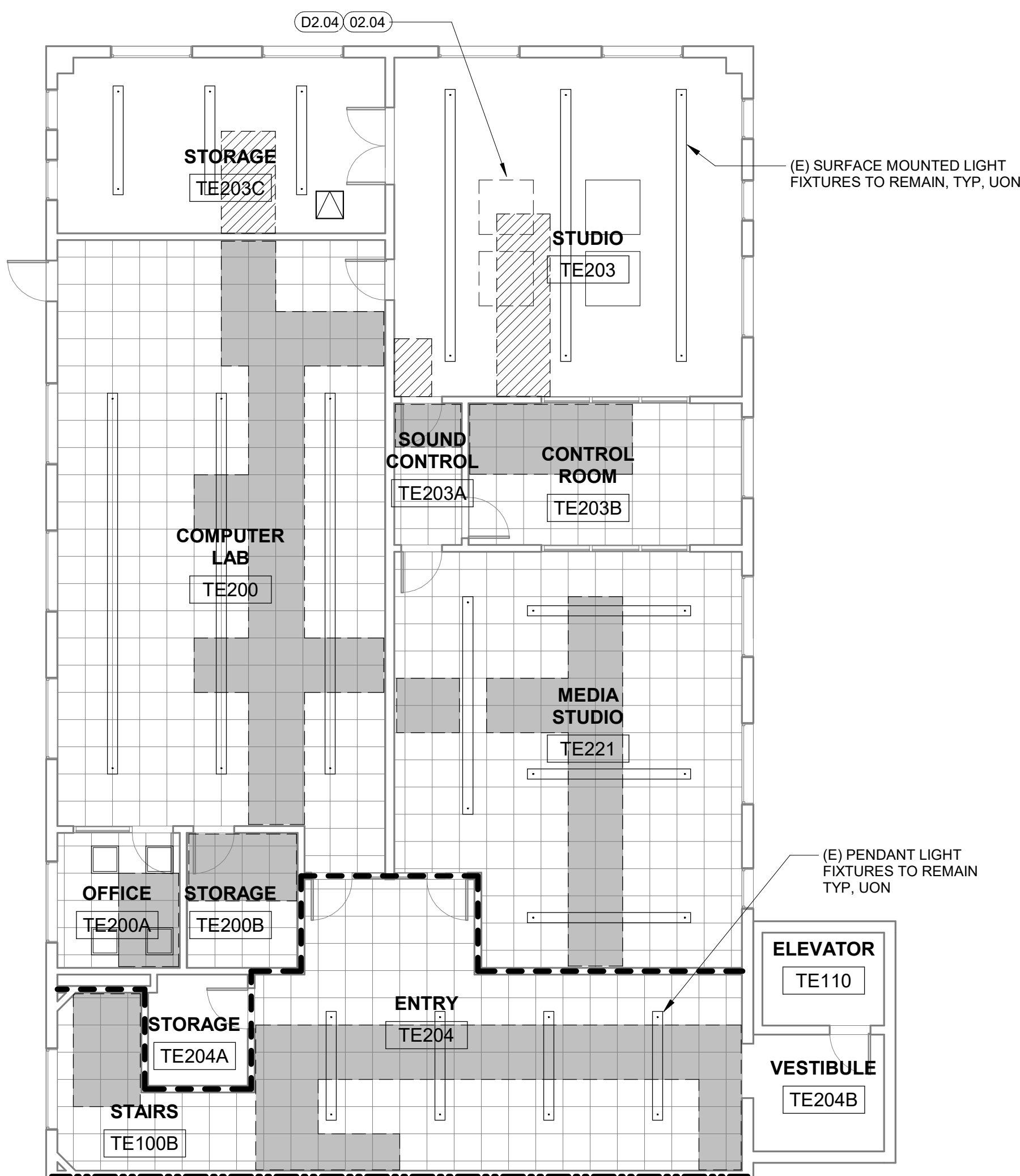
KEYNOTES:

- | | |
|-------|---|
| D2.02 | DISCONNECT, REMOVE AND SALVAGE (E) DECORATIVE PENDANT LIGHT FIXTURES AS REQUIRED FOR FA WORK. |
| D2.03 | TEMPORARILY REMOVE AND SALVAGE (E) SURFACE MOUNTED LIGHT FIXTURE. |
| D2.04 | TEMPORARILY REMOVE AND SALVAGE (E) ACOUSTICAL PANELS. |
| 02.02 | REINSTALL SALVAGED (E) DECORATIVE PENDANT LIGHT FIXTURE AT SAME LOCATION. |
| 02.03 | REINSTALL SALVAGED (E) SURFACE MOUNTED LIGHT FIXTURE AT SAME LOCATION, TYP. |
| 02.04 | REINSTALL SALVAGED (E) ACOUSTICAL PANELS AT SAME LOCATION, TYP. |

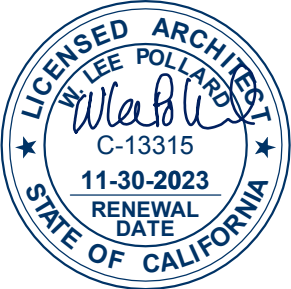
BUILDING LOCATION MAP



25 TE BUILDING REFLECTED CEILING PLAN - FIRST FLOOR
1/8" = 1'-0"



15 TE BUILDING REFLECTED CEILING PLAN - SECOND FLOOR
1/8" = 1'-0"



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150 3RD ST, SAN RAFAEL, CA 94901

Project
**FIRE ALARM SYSTEM
UPGRADE**

Sheet Title
**TE BUILDING - REFLECTED
CEILING PLANS**

Client Project Number: Client Proj. #

Scale: AS NOTED
Drawn By: AK
Checked By: MD
Issue Date: 05/30/23
Revit Version: 2023

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A6.11
Sheet 13 of 41

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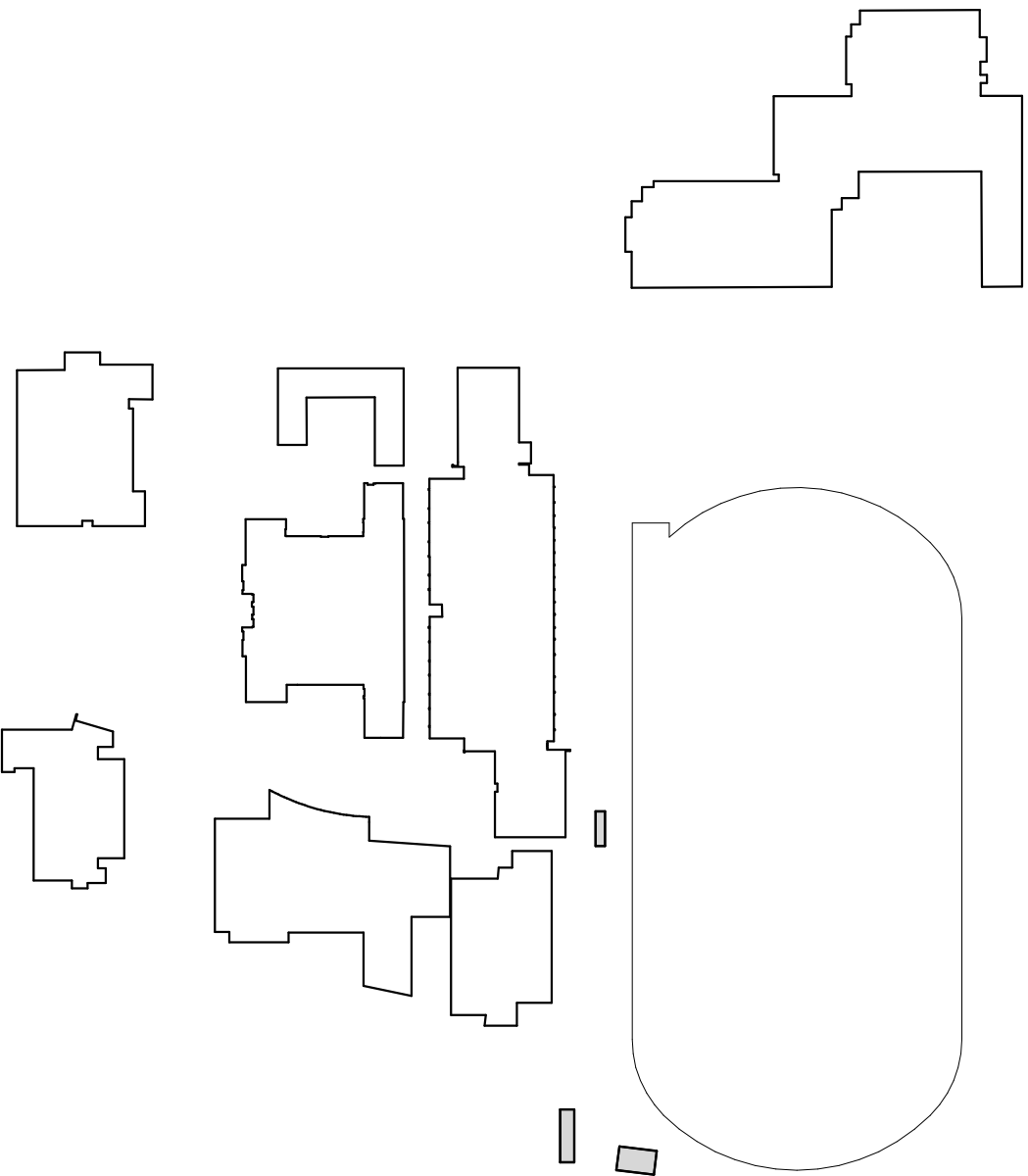
GENERAL RCP NOTES

1. TEMPORARILY REMOVE (E) SUSPENDED CEILING TILES WHERE OCCURS, VIF, FOR INSTALLATION OF (N) FA CONDUIT, WIRING & DEVICES. SALVAGE CEILING TILES AND RE-INSTALL AFTER INSTALLATION OF FIRE ALARM CONDUIT AND DEVICES
2. SEE ELECTRICAL DRAWINGS FOR EXTENT OF WORK. FIELD VERIFY EXISTING CONDITIONS PRIOR TO START OF WORK
3. COORDINATE WITH THE ARCHITECT IF EXISTING CONDITIONS DIFFERED FROM THE CONSTRUCTION DOCUMENTS PRIOR TO START OF WORK
4. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA
5. SAW CUT AND REMOVE SECTION OF (E) GYP BD WALL FINISH FOR INSTALLATION OF CONDUIT AND WIRING AT NEW FA DEVICE LOCATIONS, SEE FA PLANS FOR EXACT LOCATION OF NEW WALL MOUNTED DEVICES. PATCH, REPAIR AND PAINT WALL TO MATCH ADJACENT.

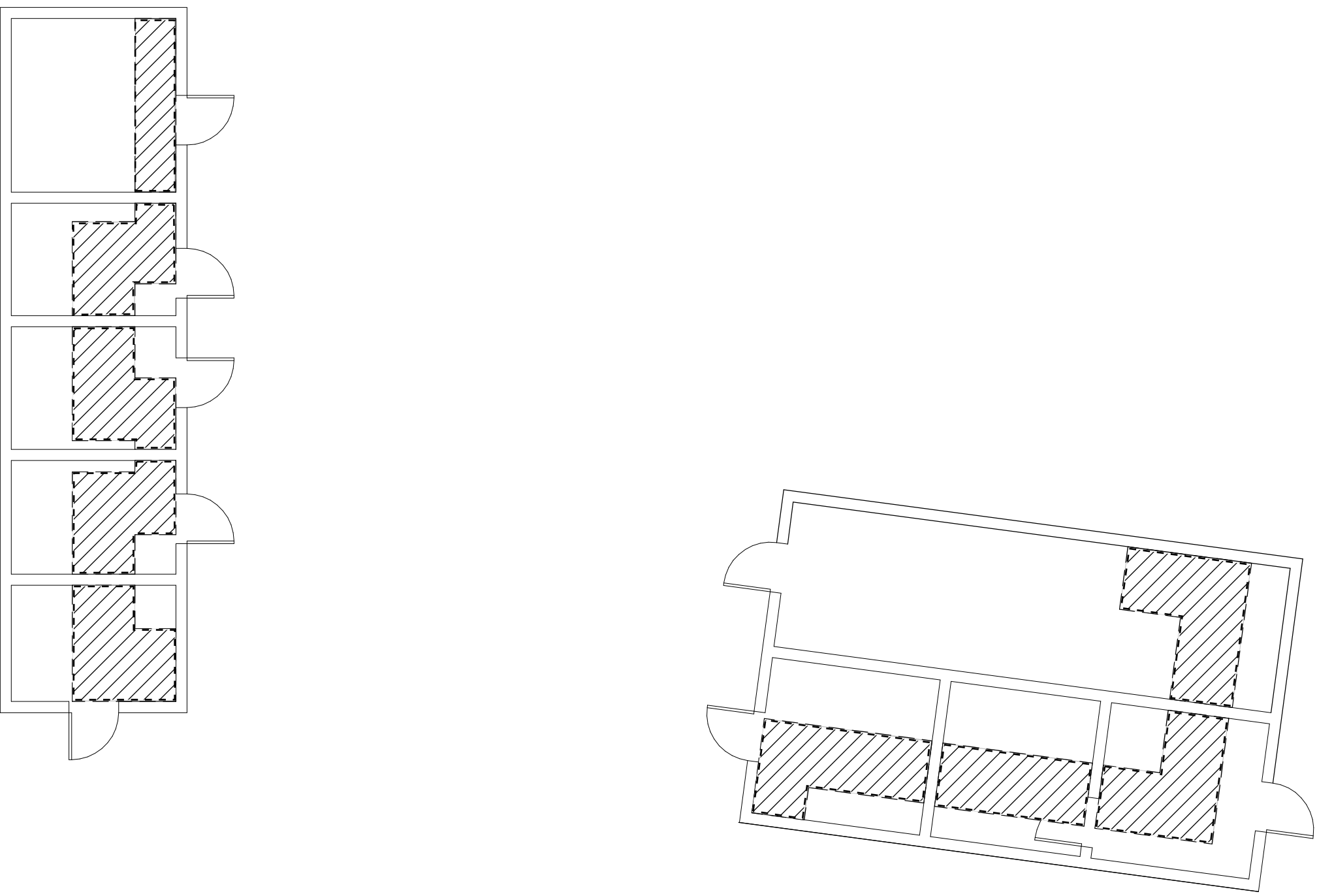
RCP SYMBOL LEGEND

- (E) GYP BOARD CEILING TO BE REMOVED AND REPLACED TO MATCH (E). FOLLOWING COMPLETION OF FA WORK PAINT TO MATCH ADJACENT
- (E) GYP BD CEILING, TYP. VIF

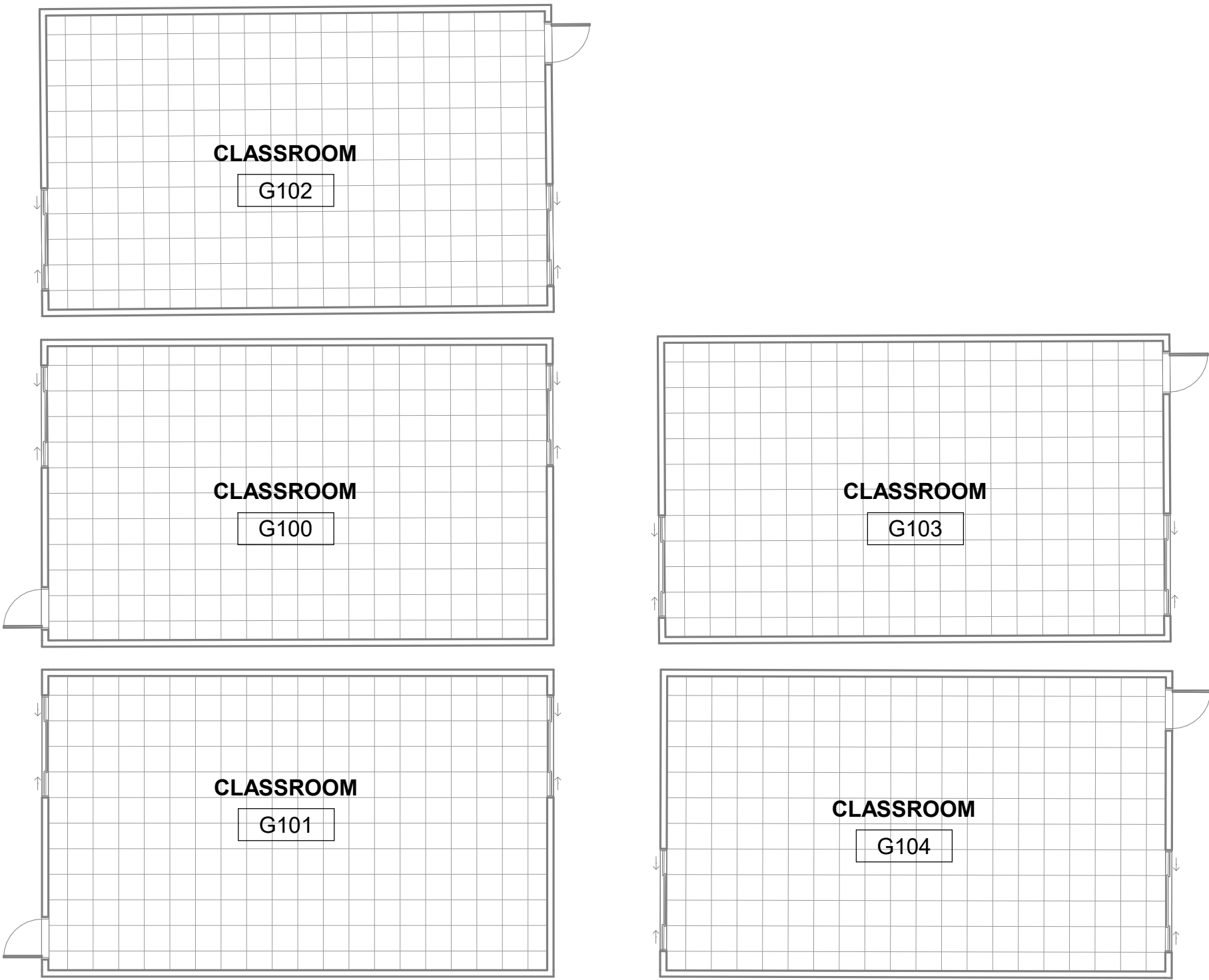
BUILDING LOCATION MAP



18 TRACK BUILDINGS



20 PORTABLES - REFLECTED CEILING PLAN



HY

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Project
FIRE ALARM SYSTEM
UPGRADE

Sheet Title
PORTABLES - REFLECTED
CEILING PLAN

Client Project Number: Client Proj. #

Scale: AS NOTED
Drawn By: AK
Checked By: MD
Issue Date: 05/30/23
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Sheet
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ELECTRICAL SYMBOLS LIST

	MAIN SWITCHBOARD, DISTRIBUTION PANEL, OR MOTOR CONTROL CENTER
	SURFACE MOUNTED PANELBOARD OR EQUIPMENT AS NOTED ON DRAWINGS. 6'-6" TO TOP
	FLUSH MOUNTED PANELBOARD OR EQUIPMENT AS NOTED ON DRAWINGS. 0'-0" TO TOP
	PAD MOUNTED UTILITY TRANSFORMER, PER UTILITY CO. REQUIREMENTS.
	CONDUIT AND WIRE CONCEALED IN CEILING OR WALL
	CONDUIT AND WIRE UNDERGROUND, OR CONCEALED UNDER SLAB
	CONDUIT AND WIRE RUN EXPOSED, PAINTED TO MATCH ALL ADJACENT FINISHES WITHIN FINISHED SPACES
	HOMERUN TO PANELBOARD OR TERMINAL BOARD, AS NOTED ON PLANS
	CROSSMARKS INDICATE QUANTITY OF #12 CONDUCTORS PLUS PARITY SIZED GROUND CONDUCTOR. NO HASHMARKS INDICATES (2) #12 PLUS PARITY SIZED GROUND CONDUCTOR. GROUND WIRE
	(#10) WIRE SIZE 10 AWG FOR ALL CONDUCTORS, INCLUDING GROUND WIRE THROUGHOUT THE COMPLETE CIRCUIT
	20A 3PG 125V DUPLEX RECEPTACLE, UP 18" U.O.N. - "WP" INDICATES WEATHERPROOF.
	20A 3PG 125V DOUBLE DUPLEX RECEPTACLE, UP 18" U.O.N.
	20A 3PG 125V DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER.
	20A 3PG 125V DUPLEX RECEPTACLE, FLUSH CEILING MOUNT.
	SURFACE MOUNTED WIREMOLD RACEWAY WITH RECEPTACLES AS INDICATED ON PLANS
	SURFACE MOUNTED WIREMOLD RACEWAY RISER
	DATA OUTLET, WALL MOUNTED, UP 18" U.O.N.
	DATA OUTLET, WALL MOUNTED, MOUNTED ABOVE COUNTER.
	DATA OUTLET, FLUSH CEILING MOUNT. "AP" - ACCESS POINT "P" - PROJECTOR
	PROJECT NUMBERED NOTE, OR SHEET NUMBERED, AS NOTED ON PLAN.
	COPPER GROUND ROD, 10' L x 3/4" Ø, SEE SPECS
	CIRCUIT BREAKER, INDICATES 100 AMP, 3 POLE
	UTILITY METER
	CONDUCTOR LANDING LUGS
	CONDUIT TURN DOWN
	CONDUIT TURN UP
	CONTINUATION
	CONDUIT STUB
	ELECTRICAL FEEDER TAG, PER COPPER FEEDER SCHEDULE
	MECHANICAL EQUIPMENT DESIGNATION, REFER TO MECHANICAL PLANS.
	ELECTRICAL EQUIPMENT TAG: EQUIPMENT PREFIX "PNL", "DP", "SWBD", "XFMR", "FA", "IDF" EQUIPMENT NAME
	DETAIL OR SHEET REFERENCE CALLOUT. INDICATES DETAIL 1, SHEET E-0.1. WHEN ADJACENT EQUIPMENT, APPLIES TO EQUIPMENT IDENTIFIED ONLY.
	DETAIL OR SHEET REFERENCE CALLOUT. INDICATES DETAIL 1, SHEET E-0.1. WHEN ADJACENT EQUIPMENT, APPLIES TO TYPICAL EQUIPMENT SERIES.

SEE FE0.01 FOR FIRE ALARM SYMBOLS

BRANCH CIRCUIT NOMENCLATURE

EXAMPLES:	
LA1-3	1-POLE BRANCH CIRCUIT TO CB
LA1-1,3,5	1-POLE BRANCH CIRCUIT FOR MULTI CIRCUIT HOMERUNS TO SEPARATE CB'S.
LA1-[1,3]	2-POLE BRANCH CIRCUIT TO COMMON CB
LA1-[1,3,5]	3-POLE BRANCH CIRCUIT TO COMMON CB

ANCHORAGE NOTES

ELECTRICAL ANCHORAGE NOTES.

ALL 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.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- 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.
- 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 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 CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

- COMPONENT WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- 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 WALL.

THE ANCHORAGE OF ALL ELECTRICAL 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.

ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE.

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 SECTION 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 PREAPPROVED INSTALLATION GUIDE (e.g. OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO 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.

ELECTRICAL DISTRIBUTION SYSTEMS ARE:
[X] - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
[] - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #).

GENERAL DEMOLITION NOTES

- THE EXISTING FIRE ALARM SYSTEMS IN AREAS OF WORK SHALL BE COMPLETELY REMOVED AND REPLACED WITH NEW AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS. REMOVE ALL EXISTING FIRE ALARM CABLING THROUGH-OUT.
- THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL LINES, LEVELS, DIMENSIONS AND EXISTING CONDITIONS. THE INFORMATION ON THE DRAWINGS REGARDING EXISTING FIRE ALARM AND/OR ELECTRICAL EQUIPMENT AND BRANCH CIRCUITS IS THE RESULT OF FIELD SURVEY AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. IT IS INTENDED, HOWEVER, AS A GUIDE FOR USE IN VERIFICATION ONLY.
- WHEREVER THE REMOVAL OF FIRE ALARM AND/OR EXISTING ELECTRICAL EQUIPMENT IS CALLED FOR AND ALL EQUIPMENT ON A PARTICULAR BRANCH CIRCUIT IS TO BE REMOVED, ALL CONDUIT AND WIRE BACK TO THE PANEL SHALL BE ENTIRELY REMOVED AND THE CIRCUIT IN PANEL SHALL BE MARKED "SPARE". THIS APPLIES TO SIGNAL AND COMMUNICATIONS SYSTEMS EQUIPMENT, CONDUIT, AND WIRE AS WELL.
- WHEREVER THE REMOVAL OF FIRE ALARM AND/OR EXISTING ELECTRICAL EQUIPMENT IS CALLED FOR AND ALL EQUIPMENT ON A PARTICULAR BRANCH CIRCUIT IS NOT TO BE REMOVED, THE CIRCUIT SHALL BE MAINTAINED CONTINUOUS TO THE EXISTING EQUIPMENT IN USE WITH MINIMUM INTERRUPTIONS OF POWER. THIS APPLIES TO SIGNAL AND COMMUNICATIONS SYSTEMS EQUIPMENT, CONDUIT, AND WIRE AS WELL.
- CARE SHALL BE TAKEN IN ORDER TO IDENTIFY AND PROTECT ALL EXISTING ELECTRICAL WORK THAT IS TO REMAIN.
- THE ELECTRICAL CONTRACTOR SHALL REVISE EXISTING PANEL SCHEDULES TO CORRESPOND TO ACTUAL CONDITIONS AFTER ALL DEMOLITION AND NEW WORK IS COMPLETED.
- REMOVE ALL ABANDONED CONDUIT AND WIRE ABOVE CEILINGS.
- WHEN ELECTRICAL EQUIPMENT OR DEVICE IS REMOVED FROM AN EXISTING WALL OR CEILING WHICH IS TO REMAIN, PATCH ABANDONED OPENINGS TO MATCH EXISTING FINISH.
- IN GENERAL, THE SITE DEMOLITION PLAN SHOWS GENERAL OUTLINE REQUIREMENTS FOR EXISTING FIRE ALARM SYSTEMS REMOVAL. HOWEVER, FOR EXISTING FIRE ALARM EQUIPMENT IN AREAS OF WORK, WHETHER SHOWN ON THE DRAWINGS OR NOT, SHALL BE REMOVED COMPLETELY (INCLUDING CONDUIT AND WIRES BACK TO THE LAST REMAINING DEVICE, OR RACEWAY, ETC.) UNLESS OTHERWISE NOTED. COORDINATE DEMOLITION WORK WITH ARCHITECT AND GENERAL CONTRACTOR.
- IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO MAINTAIN CONTINUITY OF ALL ELECTRICAL SYSTEMS, EQUIPMENT, ETC. REMAINING IN OPERATION WHICH IS BEING FED BY AN ABANDONED OUTLET. MAINTAINING CONTINUITY SHALL CONSIST OF REROUTING OF CONDUIT, WIRE, ETC. AS REQUIRED.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO REMOVAL OF EXISTING FIRE ALARM EQUIPMENT AND TURN OVER REMOVED EQUIPMENT THAT THE OWNER REQUESTS, IN AS-FOUND CONDITION. EQUIPMENT THAT IS TO BE TURNED OVER SHALL BE BOXED AND TAGGED TO IDENTIFY THE SPECIFIC EQUIPMENT. EQUIPMENT TO BE TEMPORARILY REMOVED DUE TO THE CONSTRUCTION SHALL BE CLEANED AND RE-INSTALLED IN ITS ORIGINAL CONDITION OR AS REQUIRED.
- IF ANY EQUIPMENT THAT IS SCHEDULED TO REMAIN IN OPERATION IS DAMAGED BY THE CONTRACTOR, IT SHALL BE REPLACED TO ITS ORIGINAL CONDITION SATISFACTORY TO THE OWNER AT CONTRACTOR'S EXPENSE.

GENERAL DEMOLITION NOTES

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
C	CONDUIT
CATV	CABLE TV
CB	CIRCUIT BREAKER
CO	CONDUIT ONLY
CU	COPPER
DP	DISTRIBUTION PANEL
E.C.	ELECTRICAL CONTRACTOR
E.G.C.	EQUIPMENT GROUNDING CONDUCTOR
EM	EMERGENCY
EMS	ENERGY MANAGEMENT SYSTEM
EQPT	EQUIPMENT
EXT	EXTERIOR
(E)	EXISTING
(ER)	EXISTING EQUIPMENT TO BE RELOCATED
(EX)	EXISTING EQUIPMENT TO BE DEMOLISHED
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FAEP	FIRE ALARM EXPANDER PANEL
FMC	FLEXIBLE METALLIC CONDUIT
FO	FIBER OPTIC
FTL	FEED THROUGH LUGS
G.E.C.	GROUNDING ELECTRODE CONDUCTOR
GFI	GROUND FAULT CIRCUIT INTERRUPTING TYPE RECEPTACLE
INV	INVERTER, EM LIGHTING OR PHOTOVOLTAIC.
IDF	INTERMEDIATE DISTRIBUTION FRAME
L	LOCKABLE
LTG	LIGHTING
LV	LOW VOLTAGE
MC	METAL CLAD CABLING
MCB	MAIN CIRCUIT BREAKER
MDF	MAIN DISTRIBUTION FRAME
MFG	MANUFACTURER
MLO	MAIN LUGS ONLY
MTD	MOUNTED
(N)	NEW
N.E.C.	NATIONAL ELECTRICAL CODE
NEU	NEUTRAL
NIEC	NOT IN ELECTRICAL CONTRACT
OAH	OVERALL HEIGHT
OFCD	OWNER FURNISHED, CONTRACTOR INSTALLED
P	INDICATES FIXTURES ON PHOTOCCELL CONTROL
PA	PUBLIC ADDRESS
PNL	PANEL
RAMP	REMOTE AMPLIFIER PANEL
S.A.D.	SEE ARCHITECTURAL DRAWINGS
SIG	SIGNAL SYSTEM
SPD	SURGE PROTECTION DEVICE
STC	SIGNAL TERMINAL CABINET
SWBD	SWITCHBOARD
TELE	TELEPHONE
UFER	CONCRETE ENCASED CU G.E.C.
UON	UNLESS OTHERWISE NOTED
UG	UNDERGROUND
VAV	VAV BOX. SEE MECHANICAL DIVISION DRAWINGS FOR LOCATIONS. PROVIDE TOGGLE TYPE DISCONNECT SWITCH.
WP	WEATHER PROOF, NEMA 3R. EQUALS "WHILE IN USE" TYPE WHEN APPLIED TO EXTERIOR POWER RECEPTACLES
XFMR	TRANSFORMER

GENERAL ELECTRICAL NOTES

- PRIOR TO BID THE CONTRACTOR SHALL VISIT THE SITE TO ADEQUATELY DETERMINE ALL PRE-EXISTING CONDITIONS. BY THE ACT OF SUBMITTING A BID, THE CONTRACTOR WILL BE DEEMED TO HAVE COMPLIED WITH THE FOREGOING, TO HAVE ACCEPTED SUCH CONDITIONS, AND TO HAVE MADE ALLOWANCES THEREFORE IN PREPARING THE BID.
- PROVIDE PARITY SIZED GREEN GROUND WIRE IN ALL POWER CONDUITS, BRANCH CIRCUITS (POWER) AND HOMERUNS. PROVIDE ADDITIONAL ISOLATED GROUND, GREEN WITH YELLOW STRIPE, TO ALL ISOLATED GROUND RECEPTACLES.
- PROVIDE PULLPOLE IN ALL EMPTY CONDUITS THROUGHOUT THE PROJECT.
- REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION & CONNECTION REQUIREMENTS OF ALL OUTLET SWITCH, AND ELECTRICAL RELATED DEVICE MOUNTING HEIGHTS AND LOCATIONS. COORDINATE LOCATIONS OF ALL LUMINAIRE(S) AND JUNCTION BOXES WITH MECHANICAL DIVISION PRIOR TO ROUGH-IN. COORDINATE LOCATIONS OF ELECTRICAL DEVICES WITH FURNITURE PLANS PRIOR TO ROUGH-IN.
- VERIFY EXACT CONNECTION REQUIREMENTS, OUTLET TYPE(S), MOUNTING HEIGHT(S) AND LOCATION(S) OF ALL OWNER-SUPPLIED EQUIPMENT, AND ALL EQUIPMENT PROVIDED UNDER OTHER SECTIONS OF THE SPECIFICATIONS, PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL DRAWINGS FOR EQUIPMENT LOCATIONS.
- COORDINATE TRENCING WITH OWNER AND OTHER TRADES BEFORE BEGINNING WORK.
- ALL CONDUIT PENETRATIONS THROUGH FIRE-RATED WALLS AND FLOORS SHALL BE SEALED AND EQUIPPED WITH U.L. LISTED FIRE PENETRATING ASSEMBLIES TO MAINTAIN FIRE SEPARATION RATINGS.
- DO NOT INSTALL ANY OUTLETS BACK TO BACK IN STUD WALLS OR DE-MOUNTABLE PARTITIONS.
- CIRCUITRY AND CONDUIT ROUTING SHOWN ON THE PLANS IS DIAGRAMMATIC ONLY. THIS CONTRACTOR IS RESPONSIBLE FOR BECOMING COMPLETELY FAMILIAR WITH THE ARCHITECTURAL AND STRUCTURAL CONDITIONS AND LIMITATIONS IN THE BUILDING AND TO PROVIDE ALL LABOR, TOOLS AND MATERIALS REQUIRED TO PRODUCE A COMPLETELY CONCEALED INSTALLATION WHEREVER INDICATED ON THE PLANS.
- MAINTAIN "AS-BUILT" RECORDS AT ALL TIMES, SHOWING EXACT LOCATION OF ALL UNDERGROUND AND/OR CONCEALED CONDUITS AND SERVICES INSTALLED UNDER THIS CONTRACT, INCLUDING CIRCUIT IDENTIFICATION WHERE APPLICABLE. PROVIDE OWNER WITH "AS-BUILT" DOCUMENTS AS REQUIRED BY THE SPECIFICATIONS, AND/OR CALLED FOR IN THE SPECIFICATIONS.
- DRAWINGS INDICATE THE LOCATION(S) OF DEVICES, AND EQUIPMENT, AND THE CIRCUIT NUMBER AND PANEL DESIGNATED TO SUPPLY THEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETELY CONNECTING ALL ELECTRICAL DEVICES TO CIRCUITS INDICATED ON THE DRAWINGS.
- UNLESS OTHERWISE NOTED, ALL WORK SHOWN ON DRAWINGS IS NEW AND TO BE PROVIDED AND INSTALLED COMPLETE UNDER THIS CONTRACT.
- ALL EQUIPMENT GROUNDING SHALL CONFORM TO ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE, LATEST EDITION.
- ALL EXTERIOR CONDUIT ABOVE GRADE, INCLUDING ALL ROOF MOUNTED CONDUIT, SHALL BE GALVANIZED RIGID STEEL. COAT ALL EXPOSED THREADS WITH GALVANIZING PAINT. PAINT ALL SURFACE MOUNTED RACEWAYS AND PULLBOXES TO MATCH SURROUNDING CONDITIONS, AS DIRECTED BY THE ARCHITECT.
- ALL ELECTRICAL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE LATEST EDITION OF THE N.E.C., AS WELL AS STATE, AND LOCAL CODES AND REQUIREMENTS.
- ALL CONDUIT SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PAY FOR ALL REQUIRED PERMITS AND INSPECTION FEES.
- THE CONTRACTOR SHALL VERIFY ALL CRITICAL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
- ALL CONDUIT CONNECTORS TO OUTLET OR JUNCTION BOXES SHALL HAVE INSULATED THROATS (MANUFACTURED AS AN INTEGRAL PART OF THE CONNECTOR). AFTER-MARKET INSERTABLE THROATS ARE NOT ACCEPTABLE.
- ALL CIRCUITS IN ALL JUNCTION BOXES AND DEVICES SHALL BE CLEARLY IDENTIFIED BY MEANS OF "EZ" NUMBERING TAGS OR EQUIVALENT, TO IDENTIFY THE CIRCUIT NUMBER OR RELAY SUPPLYING THE CONDUCTOR. ALL JUNCTION BOXES SHALL BE LABELED PER SPECIFICATIONS.
- ALL SURFACE MOUNTED POWER AND SIGNAL BOXES IN FINISHED AREAS SHALL BE "WIREMOLD" TYPE, WITH MATCHING RACEWAYS, SURFACE MOUNTED STEEL JUNCTION BOXES AND/OR EMT ARE NOT ACCEPTABLE.
- ALL LOCATIONS OF BARE METAL SURFACE MOUNTED CONDUIT, BOXES, PANEL COVERS, AND RELATED FITTINGS OR ACCESSORIES INSTALLED IN FINISHED AREAS (BOTH INTERIOR AND EXTERIOR) SHALL BE FINISH PAINTED TO MATCH THE SURFACE TO WHICH THEY ARE MOUNTED TO (AFTER INSTALLATION). PAINTING SHALL INCLUDE DIFFERENT COLORS AS REQUIRED TO MATCH EXISTING STRIPING OR OTHER BUILDING FEATURES TO WHICH THE EQUIPMENT IS ATTACHED AND VISIBLE. VERIFY EXACT JUNCTION BOX LOCATION(S) AND ROUTING OF EXPOSED RACEWAYS WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- PROVIDE A BLANK COVER PLATE (COLOR TO MATCH ADJACENT DEVICES OR AS SPECIFICALLY CALLED FOR IN SPECIFICATIONS) FOR ALL JUNCTION BOXES (NEW AND EXISTING) ON THE PROJECT WHEN NO DEVICE IS INSTALLED.
- FOR OUTDOOR 15 AND 20-AMPERE, 125 AND 250-VOLT RECEPTACLES, RECEPTACLES LOCATED IN "WET" LOCATIONS SHALL HAVE "IN-USE" TYPE WEATHERPROOF COVER PLATES PROVIDED AND INSTALLED. RECEPTACLES LOCATED IN "DAMP" LOCATIONS SHALL HAVE "IN-USE" TYPE WEATHERPROOF COVER PLATES IN LOCATIONS DEEMED TO BE "IN-USE" WITH CORD AND PLUG ATTACHED.
- TWO OR THREE DIFFERENT PHASES SUPPLIED BY A 3-PHASE PANEL MAY SHARE A SINGLE NEUTRAL ONLY IF CIRCUIT POSITIONS ARE ADJACENT IN THE PANEL. PROVIDE COMMON HANDLE-TIE ON BREAKERS FOR MULTI-WIRE BRANCH CIRCUITS, WITH COMMON NEUTRAL, PER NEC REQUIREMENTS.

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Revisions	Delta	Date	Revisions	By
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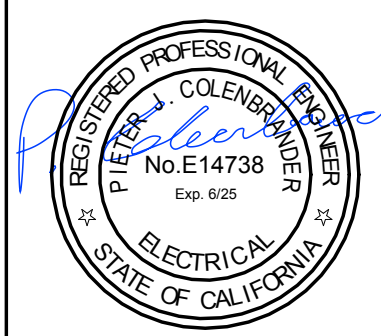
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Project FIRE ALARM UPGRADE

Sheet Title GENERAL NOTES, LIST OF DRAWINGS, & SYMBOLS

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Scale: AS NOTED

Drawn By: JK

Checked By: PJC

Issue Date: 09/06/2023

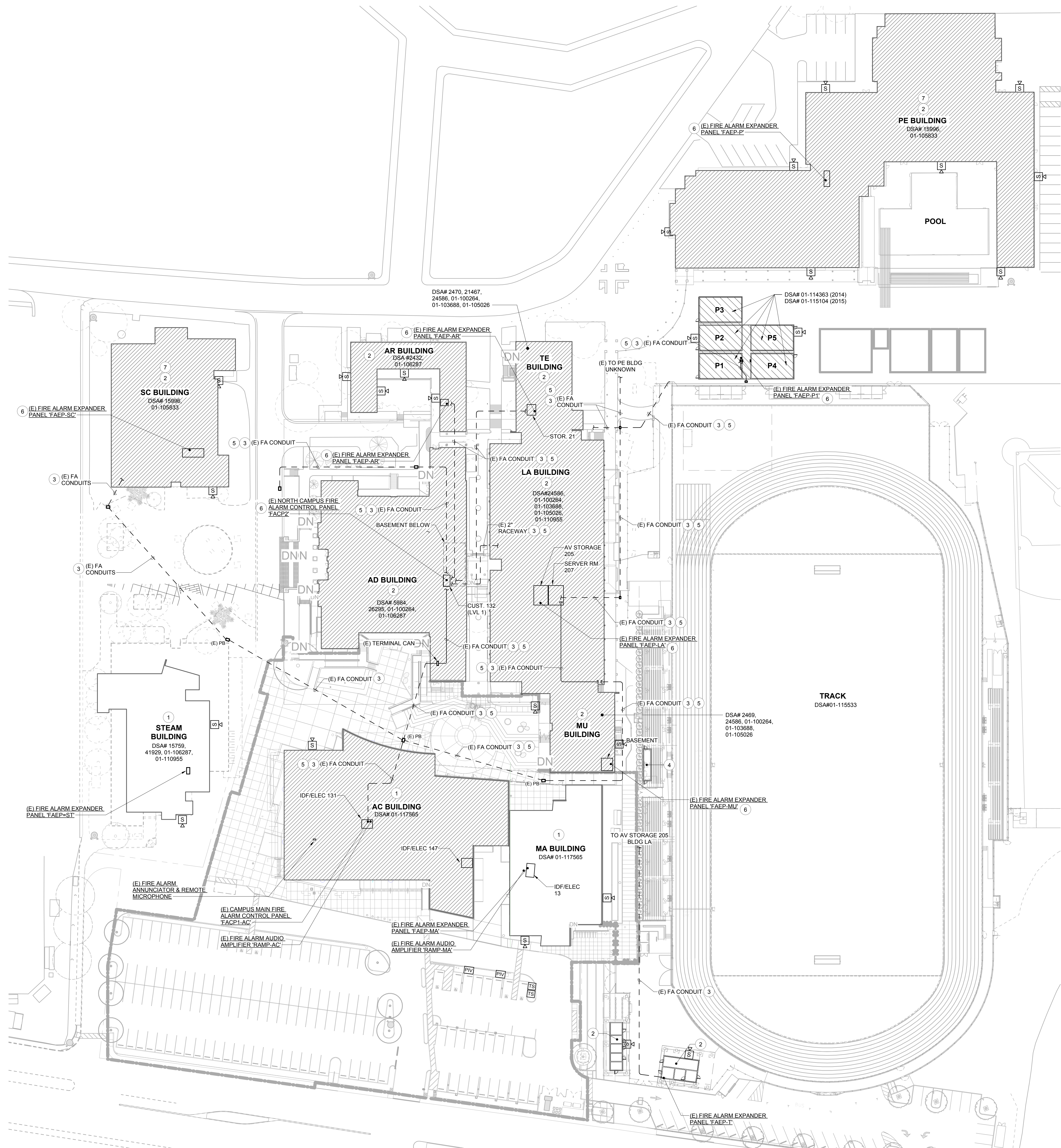
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NUMBERED SHEET NOTES

1. THE EXISTING VOICE EVACUATION FIRE ALARM SYSTEM IN THIS BUILDING SHALL REMAIN PROTECTED IN PLACE.
2. THE EXISTING MANUAL/AUTOMATIC FIRE ALARM SYSTEM (NON VOICE EVAC) IN THIS BUILDING SHALL BE REMOVED. ALL FIRE ALARM DEVICES AND WIRING SHALL BE COMPLETELY REMOVED. EXISTING RACEWAY MAY BE RE-USED, INTERCEPTED AND EXTENDED FOR NEW AS REQUIRED.
3. THE EXISTING SITE FIRE ALARM CONDUIT SYSTEM SHALL BE INVESTIGATED AND DOCUMENTED. THE CONTRACTOR SHALL INCLUDE 3 DAYS FOR EXISTING CONDUIT INVESTIGATION. THE INFORMATION SHALL BE DOCUMENTED AND SUBMITTED TO THE DESIGN TEAM FOR REVIEW.
4. THE EXISTING MANUAL/AUTOMATIC FIRE ALARM SYSTEM IN THIS STRUCTURE SHALL REMAIN PROTECTED IN PLACE. PROVIDE ALL WORK REQUIRED TO RE-CONNECT THESE BUILDING COMPLETE TO THE NEW FIRE ALARM CONTROL PANELS ON SITE.
5. COMPLETELY REMOVE THE EXISTING FIRE ALARM WIRING WITHIN THE EXISTING CONDUIT SYSTEM, FOR NEW FIBER OPTIC CONNECTIONS BETWEEN BUILDINGS, U.O.N.
6. THE EXISTING POWER SUPPLIES AND FIRE ALARM CONTROL EQUIPMENT SHALL BE COMPLETELY REMOVED. U.O.N.
7. EXISTING UNDERGROUND CONDUIT SYSTEMS TO THIS BUILDING IS UNKNOWN, SEE NEW SITE PLAN FOR NEW UNDERGROUND ROUTE TO THIS BUILDING.

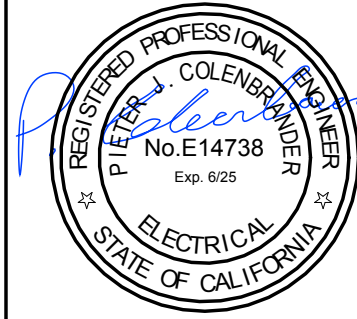
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Facility
SAN RAFAEL HIGH SCHOOL
150 3RD ST, SAN RAFAEL, CA 94901

Project
FIRE ALARM UPGRADE

Sheet Title
GENERAL SITE FIRE ALARM
DEMOLITION

Client Project Number:

Scale: AS NOTED

Drawn By: JK

Checked By: PJC

Issue Date: 09/06/2023

Revit Version: 2023

Sheet

E1.01

Sheet of

1 OVERALL SITE PLAN - DEMOLITION
1" = 40'-0"



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NUMBERED SHEET NOTES

1. PROVIDE AND INSTALL NEW 1-1/2" C. IN UNDERGROUND TRENCH PER 1/E-7.01.
2. PROVIDE AND INSTALL NEW FIRE ALARM HEAD END EQUIPMENT TO REPLACE EXISTING. "FACP" = FIRE ALARM CONTROL PANEL. "RAMP" = REMOTE AMPLIFIER PANEL. "FAEP" = FIRE ALARM STROBE EXPANDER PANEL.
3. EXISTING CONDUIT. REFER TO DEMO PLANS FOR INVESTIGATION REQUIREMENTS.
4. PROVIDE AND INSTALL NEW CONDUITS WITHIN BUILDING. SEE FLOOR PLANS FOR REQUIREMENTS.
5. EXISTING FIRE ALARM HEAD END EQUIPMENT.
6. EXISTING FIRE ALARM CONNECTIONS TO REMAIN.
7. EXISTING HOMERUN TO AREA INDICATED IS UNKNOWN. INCLUDE ADDITIONAL SITE INVESTIGATIONS TO VERIFY ROUTE FOR NEW CONNECTIONS AS SHOWN ON THESE DRAWINGS.
8. REPLACE THE EXISTING COPPER FIRE ALARM WIRING, RELATED TO THE EXISTING NOTIFIER DAAZ VOICE AMPLIFIER AT THE STEAM BUILDING, WITHIN EXISTING CONDUIT. NEW WIRING SHALL BE NEW FIBER OPTIC AS SHOWN.
9. PROVIDE AND INSTALL NEW FIBER OPTIC MODULES AT EXISTING PANELS, AS REQUIRED TO FACILITATE REMOVAL OF THE EXISTING COPPER WIRING BETWEEN EXISTING EQUIPMENT, SEE NOTE 8.

SR SAN RAFAEL
CITY SCHOOLS

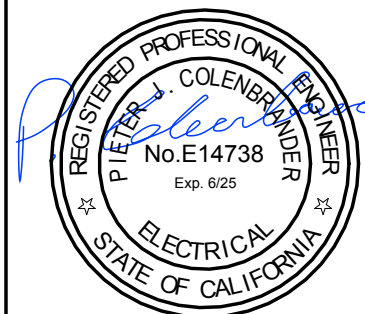
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HY Architects Project number: 6020

Facility
SAN RAFAEL HIGH SCHOOL
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Project
FIRE ALARM UPGRADE

Sheet Title
SITE PLAN - FIRE ALARM

Client Project Number:

Scale: AS NOTED

Drawn By: JK

Checked By: PJC

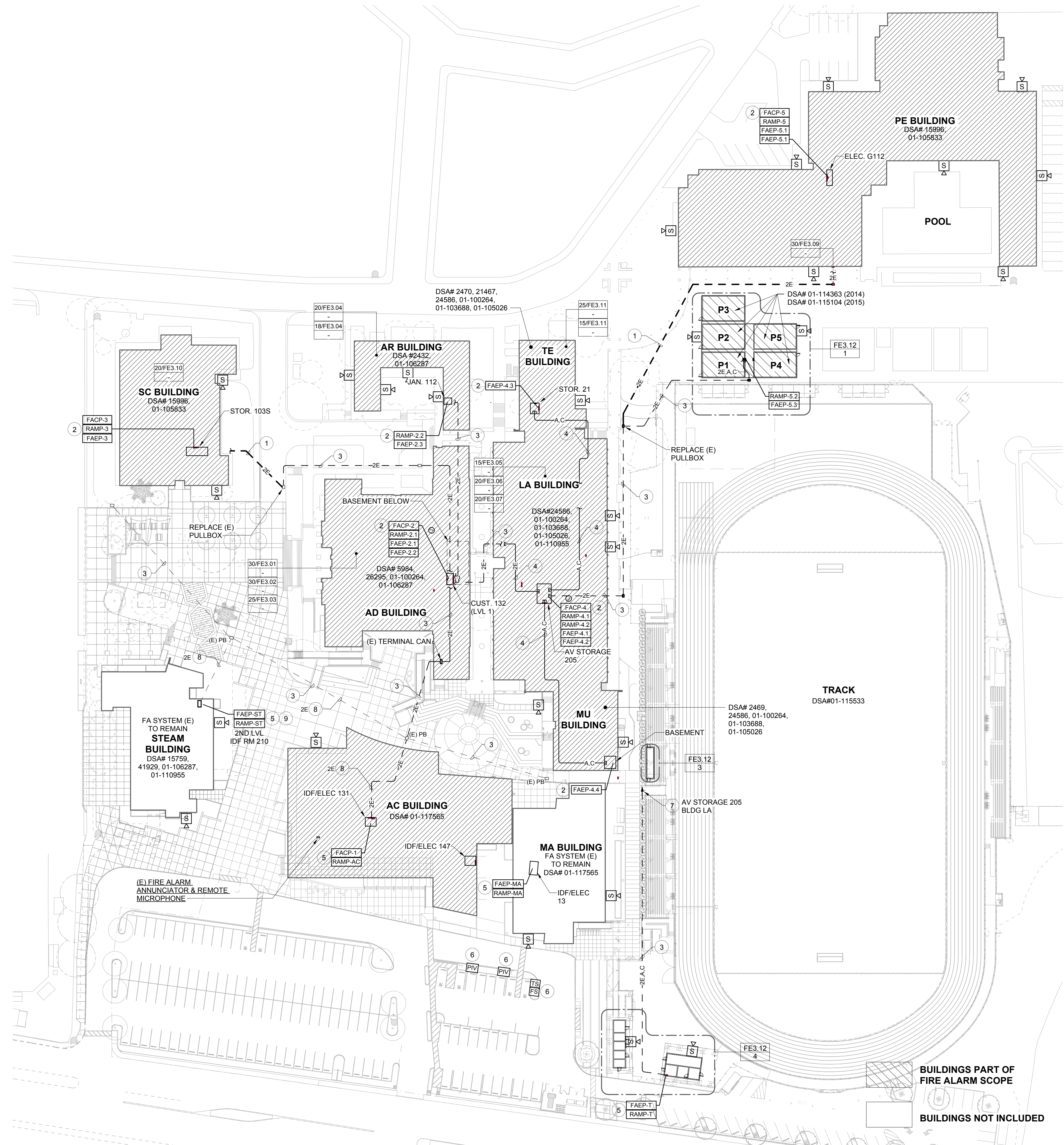
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30 OVERALL SITE PLAN
1" = 50'-0"

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WALL RATING LEGEND

- 1 HOUR RATED CORRIDOR WALL
- 2 HOUR RATED CORRIDOR WALL
- 4 HOUR RATED CORRIDOR WALL

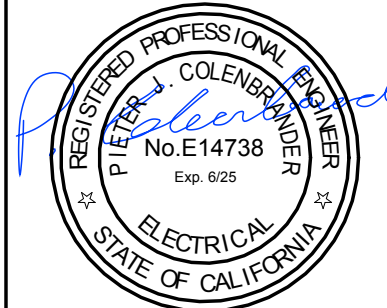
FIRE ALARM SYMBOL LINE TYPE LEGEND

- EXISTING CEILING/WALL DEVICE TO BE REMOVED*
- NEW CEILING/WALL DEVICE AT EXISTING LOCATION**
- NEW CEILING/WALL DEVICE AT NEW/RELOCATED LOCATION***
- * REFER TO GENERAL DEMOLITION NOTES FOR REQUIREMENTS
- ** PROVIDE BOX EXTENSION TO ALLOW FOR INCREASED DEPTH OF SPEAKER DEVICE.
- *** PROVIDE AND INSTALL NEW 3/4" CONDUIT AS REQUIRED TO FACILITATE NEW DEVICE LOCATION. REFER TO SPECIFICATION FOR ALLOWABLE USES OF RACEWAY WITHIN FINISHED OR UNFINISHED SPACES.



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150 3RD ST, SAN RAFAEL, CA 94901

Project
FIRE ALARM UPGRADE

Sheet Title
**AD BLDG - FIRE ALARM PLAN
BASEMENT LEVEL**

Client Project Number:

Scale: AS NOTED

Drawn By: JK

Checked By: PJC

Issue Date: 09/06/2023

Revit Version: 2023

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FE3.01

Sheet

of

30 BLDG AD - FIRST FLOOR BASEMENT - FIRE ALARM
1/8" = 1'-0"

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NUMBERED SHEET NOTES

1. TERMINATE TO AUXILIARY 24V DC POWER OUTPUT ON FAEP_PROGRAM FOR DOOR HOLDER RELEASE UPON ACTIVATION OF BUILDING DETECTION SYSTEM.
2. INTERCEPT EXISTING FIRE SMOKE DAMPER CONNECTIONS TO EXISTING SMOKE DETECTOR RELAY BASE AND EXTEND (3) #12-THHN IN 1/2" C. TO NEW DETECTOR AND RELAY BASE LOCATION SHOWN. CONNECT COMPLETE.

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WALL RATING LEGEND

- 1 HOUR RATED CORRIDOR WALL
- 2 HOUR RATED CORRIDOR WALL
- 4 HOUR RATED CORRIDOR WALL

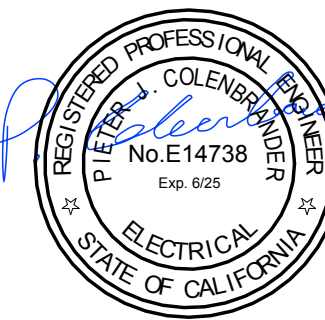
FIRE ALARM SYMBOL LINE TYPE LEGEND

- EXISTING CEILING/WALL DEVICE TO BE REMOVED*
- NEW CEILING/WALL DEVICE AT EXISTING LOCATION**
- NEW CEILING/WALL DEVICE AT NEW/RELOCATED LOCATION***
- * REFER TO GENERAL DEMOLITION NOTES FOR REQUIREMENTS
- ** PROVIDE BOX EXTENSION TO ALLOW FOR INCREASED DEPTH OF SPEAKER DEVICE.
- *** PROVIDE AND INSTALL NEW 3/4" CONDUIT AS REQUIRED TO FACILITATE NEW DEVICE LOCATION. REFER TO SPECIFICATION FOR ALLOWABLE USES OF RACEWAY WITHIN FINISHED OR UNFINISHED SPACES.



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Facility
SAN RAFAEL HIGH SCHOOL
150 3RD ST, SAN RAFAEL, CA 94901

Project
FIRE ALARM UPGRADE

Sheet Title
**AD BLDG - FIRE ALARM PLAN
SECOND FLOOR**

Client Project Number:
Scale: AS NOTED
Drawn By: JK
Checked By: PJC
Issue Date: 09/06/2023
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Sheet
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Sheet of

30 BLDG AD - SECOND FLOOR - FIRE ALARM
1/8" = 1'-0"

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WALL RATING LEGEND

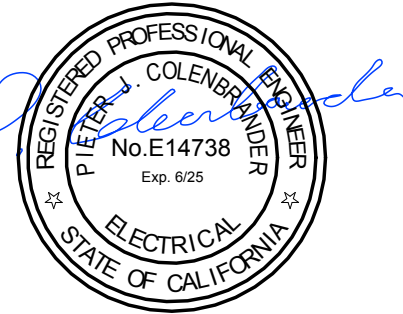
- 1 HOUR RATED CORRIDOR WALL
- 2 HOUR RATED CORRIDOR WALL
- 4 HOUR RATED CORRIDOR WALL

FIRE ALARM SYMBOL LINE TYPE LEGEND

- EXISTING CEILING/WALL DEVICE TO BE REMOVED*
- NEW CEILING/WALL DEVICE AT EXISTING LOCATION**
- NEW CEILING/WALL DEVICE AT NEW/RELOCATED LOCATION***
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- ** PROVIDE BOX EXTENSION TO ALLOW FOR INCREASED DEPTH OF SPEAKER DEVICE.
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Project
FIRE ALARM UPGRADE

Sheet Title
**AD BLDG - FIRE ALARM PLAN
THIRD LEVEL**

Client Project Number:

Scale: AS NOTED

Drawn By: JK

Checked By: PJC

Issue Date: 09/06/2023

Revit Version: 2023

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FE3.03

Sheet of

25 BLDG AD - THIRD FLOOR - FIRE ALARM

1/8" = 1'-0"

26 BLDG AD CATWALK LEVEL

1/8" = 1'-0"

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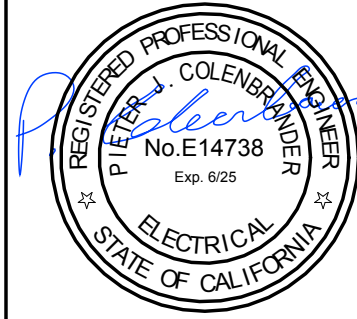
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HY Architects Project number: 6020
Facility
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150 3RD ST, SAN RAFAEL, CA 94901

Project
FIRE ALARM UPGRADE

Sheet Title
AR BLDG - FIRE ALARM PLANS

Client Project Number:

Scale: AS NOTED

Drawn By: JK

Checked By: PJC

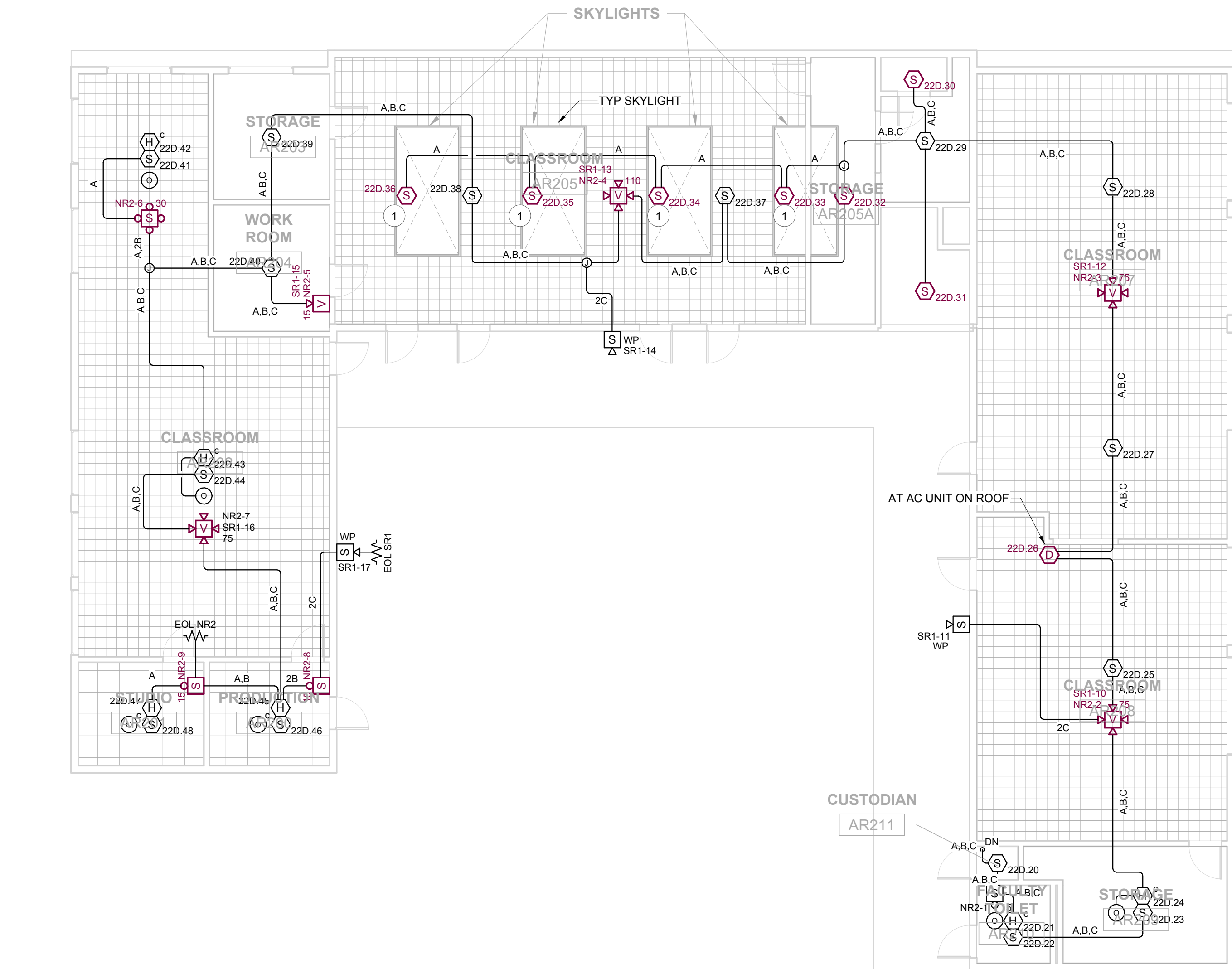
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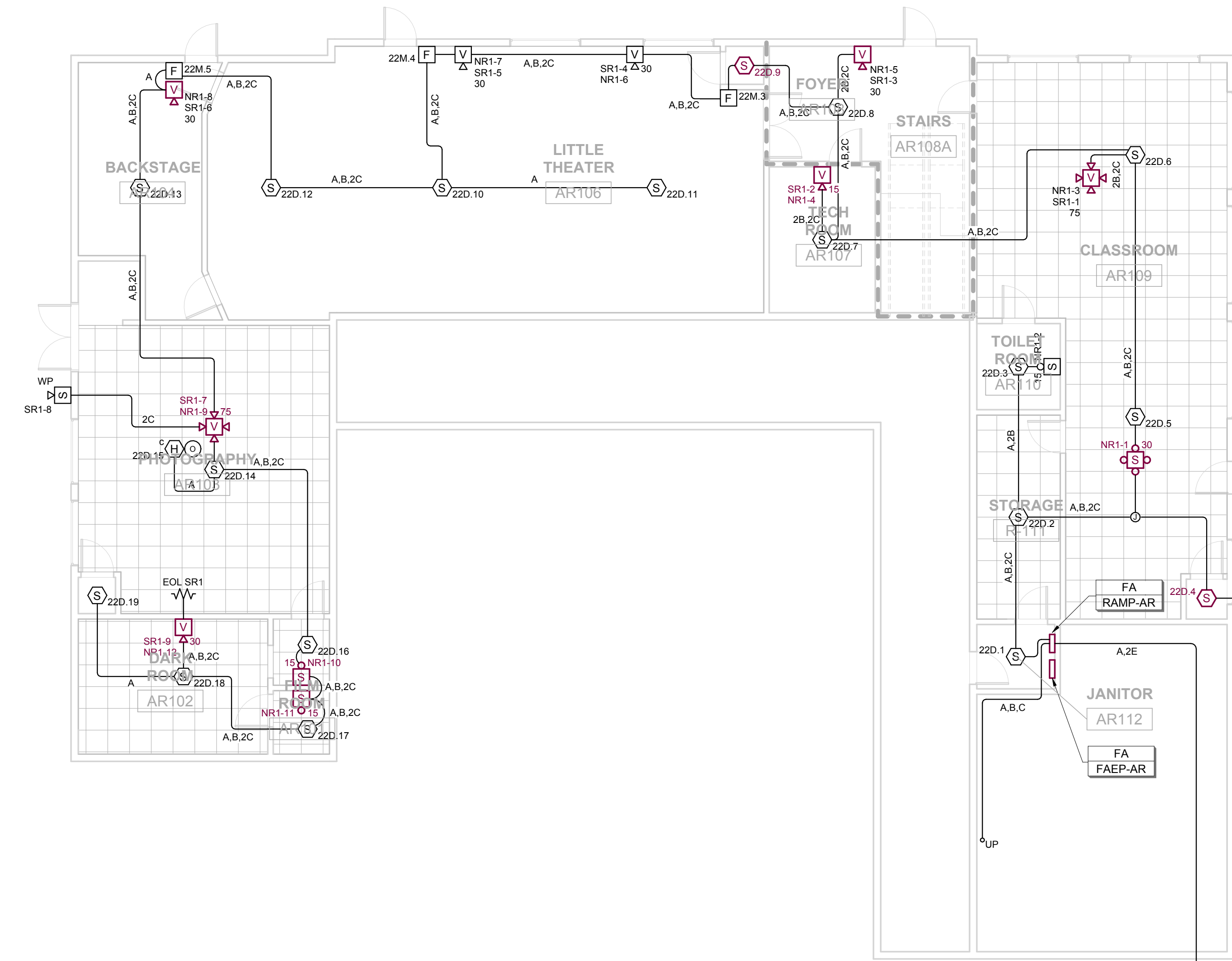
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Sheet of



18- BLDG AR - SECOND FLOOR - FIRE ALARM
1/8" = 1'-0"



20- BLDG AR - FIRST FLOOR - FIRE ALARM
1/8" = 1'-0"

(E) RACEWAY TO
BLDG A CUST. 132

NUMBERED SHEET NOTES

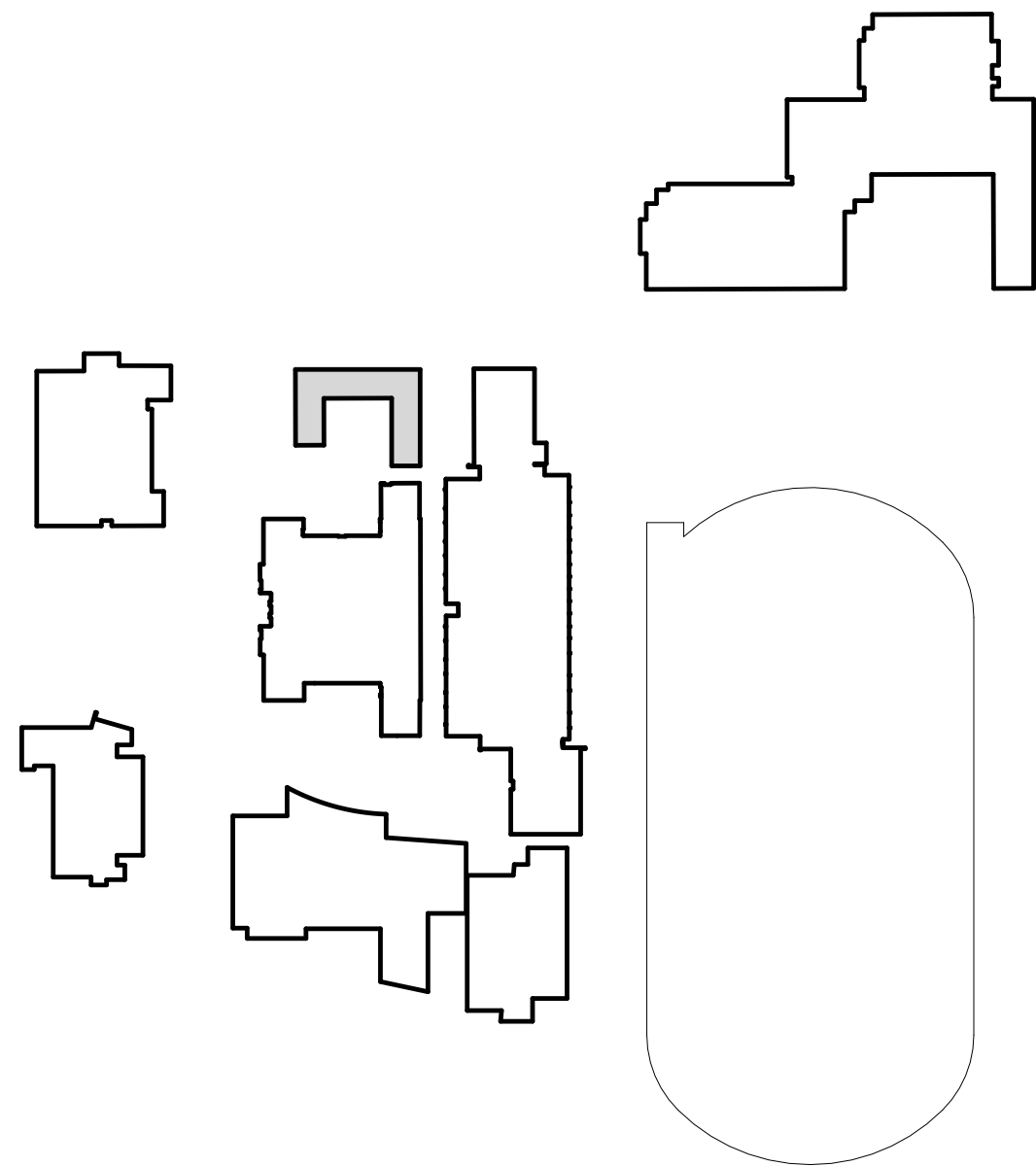
1. LOCATE DETECTOR IN SKYLIGHT WELL, WITHIN 3' OF TOP.

WALL RATING LEGEND

- 1 HOUR RATED CORRIDOR WALL
- 2 HOUR RATED CORRIDOR WALL
- 4 HOUR RATED CORRIDOR WALL

FIRE ALARM SYMBOL LINE TYPE LEGEND

- EXISTING CEILING/WALL DEVICE TO BE REMOVED*
- NEW CEILING/WALL DEVICE AT EXISTING LOCATION**
- NEW CEILING/WALL DEVICE AT NEW/RELOCATED LOCATION***
- * REFER TO GENERAL DEMOLITION NOTES FOR REQUIREMENTS
- ** PROVIDE BOX EXTENSION TO ALLOW FOR INCREASED DEPTH OF SPEAKER DEVICE.
- *** PROVIDE AND INSTALL NEW 3/4" CONDUIT AS REQUIRED TO FACILITATE NEW DEVICE LOCATION. REFER TO SPECIFICATION FOR ALLOWABLE USES OF RACEWAY WITHIN FINISHED OR UNFINISHED SPACES.



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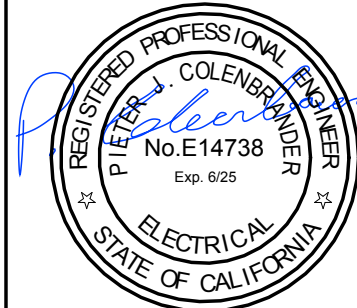
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HY Architects Project number: 6020

Facility
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150 3RD ST, SAN RAFAEL, CA 94901

Project
FIRE ALARM UPGRADE

Sheet Title
**LA BLDG - FIRE ALARM PLAN
BASEMENT LEVEL**

Client Project Number:

Scale: AS NOTED
Drawn By: JK
Checked By: PJC
Issue Date: 09/06/2023
Revit Version: 2023

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FE3.05

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NUMBERED SHEET NOTES

1. PROVIDE AND INSTALL NEW RELAY MODULES AND INTERCEPT THE EXISTING 120V BRANCH CIRCUIT TO THE FIRE SMOKE DAMPERS IN THIS BUILDING. ALL FSD'S SHALL PERFORM CLOSURE UPON ACTIVATION OF ANY AREA DETECTION IN THE BUILDING.

WALL RATING LEGEND

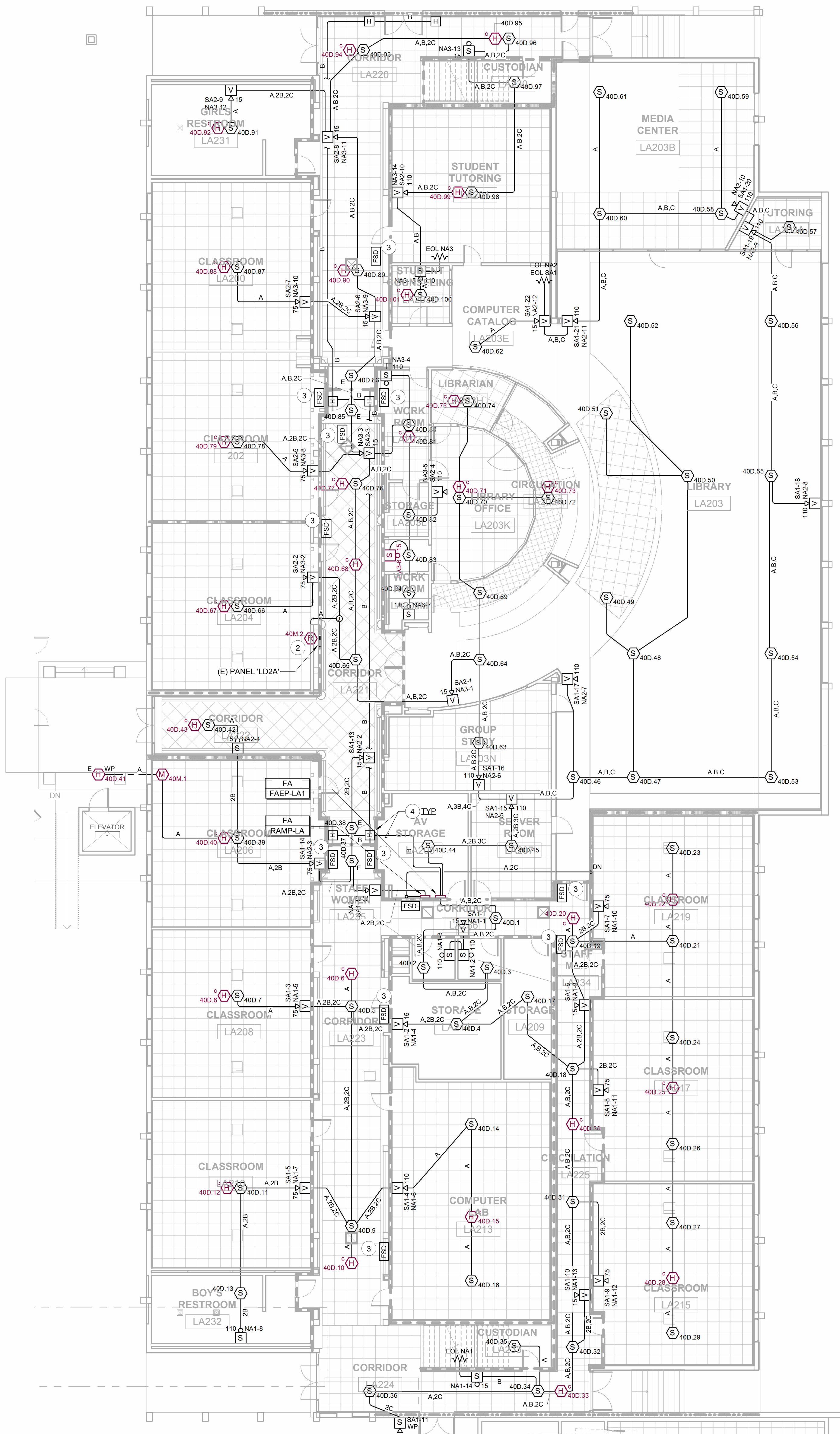
- 1 HOUR RATED CORRIDOR WALL
- 2 HOUR RATED CORRIDOR WALL
- 4 HOUR RATED CORRIDOR WALL

FIRE ALARM SYMBOL LINE TYPE LEGEND

- EXISTING CEILING/WALL DEVICE TO BE REMOVED*
- NEW CEILING/WALL DEVICE AT EXISTING LOCATION**
- NEW CEILING/WALL DEVICE AT NEW/RELOCATED LOCATION***
- * REFER TO GENERAL DEMOLITION NOTES FOR REQUIREMENTS
- ** PROVIDE BOX EXTENSION TO ALLOW FOR INCREASED DEPTH OF SPEAKER DEVICE.
- *** PROVIDE AND INSTALL NEW 3/4" CONDUIT AS REQUIRED TO FACILITATE NEW DEVICE LOCATION. REFER TO SPECIFICATION FOR ALLOWABLE USES OF RACEWAY WITHIN FINISHED OR UNFINISHED SPACES.

15 BLDG LA - FIRST FLOOR (BASEMENT) - FIRE ALARM
1" = 16'-0"

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20 BLDG LA - SECOND FLOOR - FIRE ALARM
1" = 10'-0"

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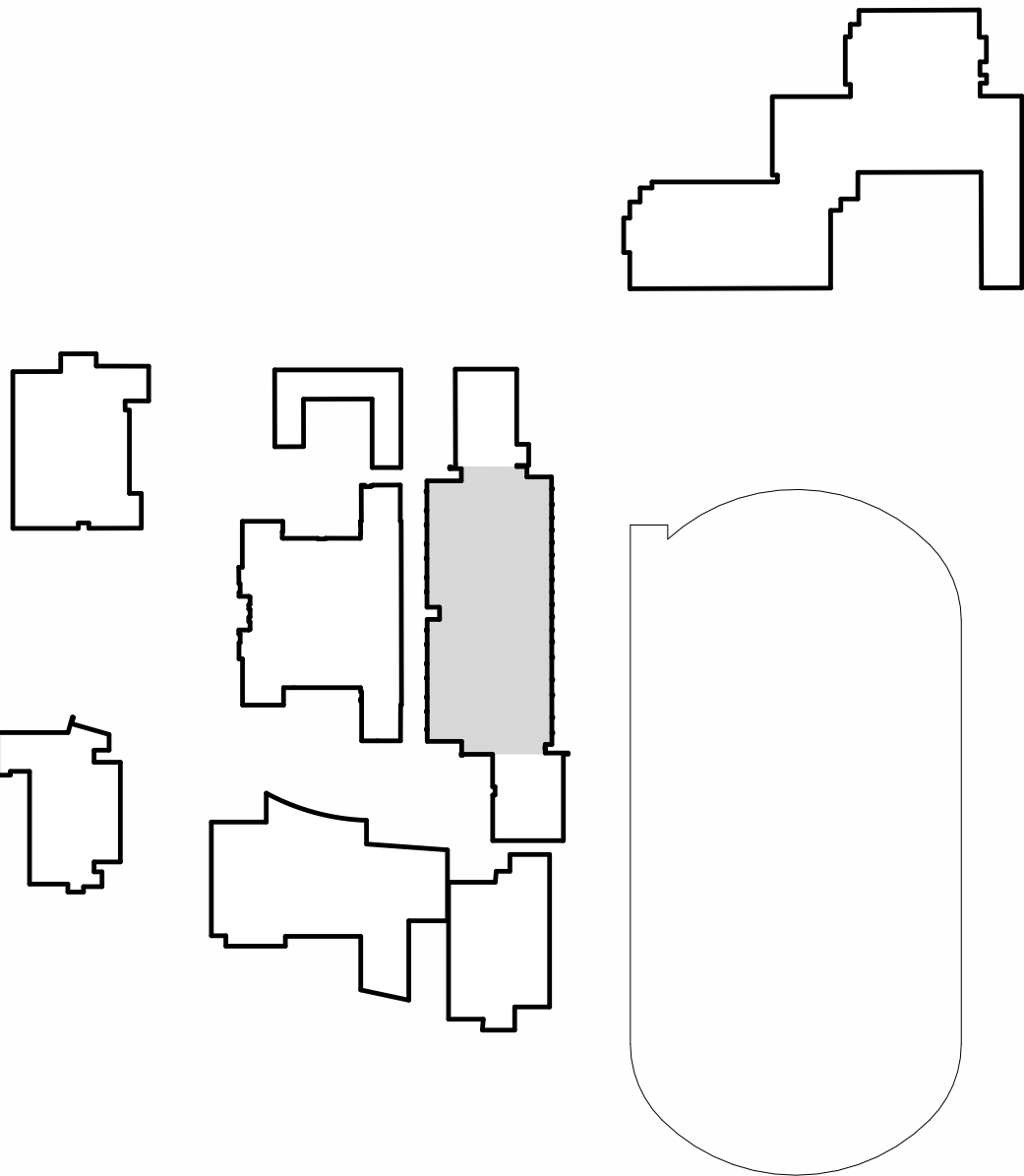
1. PROVIDE AND INSTALL 1-1/4" C. FROM BLDG LA STORAGE ROOM TO BLDG MU AND BLDG 1E FIRE ALARM EXPANDER PANEL LOCATIONS. TRANSITION CONCEALED, DOWN TO LOWER FLOOR, AND CONTINUE IN EACH DIRECTION - SEE FE3.05.
2. PROVIDE AND INSTALL NEW RELAY MODULE, AND INTERCEPT EXISTING BRANCH CIRCUIT LD2A-31, WHICH FEEDS ALL FIRE SMOKE DAMPER ASSEMBLIES ON THIS FLOOR.
3. EXISTING FIRE SMOKE DAMPER. SEE NUMBERED NOTE 2.
4. TERMINATE TO AUXILIARY 24V DC POWER OUTPUT ON FAEP PROGRAM FOR DOOR HOLDER RELEASE UPON ACTIVATION OF BUILDING DETECTION SYSTEM.

WALL RATING LEGEND

- 1 HOUR RATED CORRIDOR WALL
- 2 HOUR RATED CORRIDOR WALL
- 4 HOUR RATED CORRIDOR WALL

FIRE ALARM SYMBOL LINE TYPE LEGEND

- EXISTING CEILING/WALL DEVICE TO BE REMOVED*
- NEW CEILING/WALL DEVICE AT EXISTING LOCATION**
- NEW CEILING/WALL DEVICE AT NEW/RELOCATED LOCATION***
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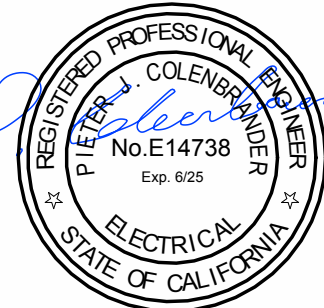
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HY Architects Project number: 6020

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150 3RD ST, SAN RAFAEL, CA 94901

Project
FIRE ALARM UPGRADE

Sheet Title
LA BLDG - FIRE ALARM PLAN
SECOND FLOOR

Client Project Number:

Scale: AS NOTED

Drawn By: JK

Checked By: PJC

Issue Date: 09/06/2023

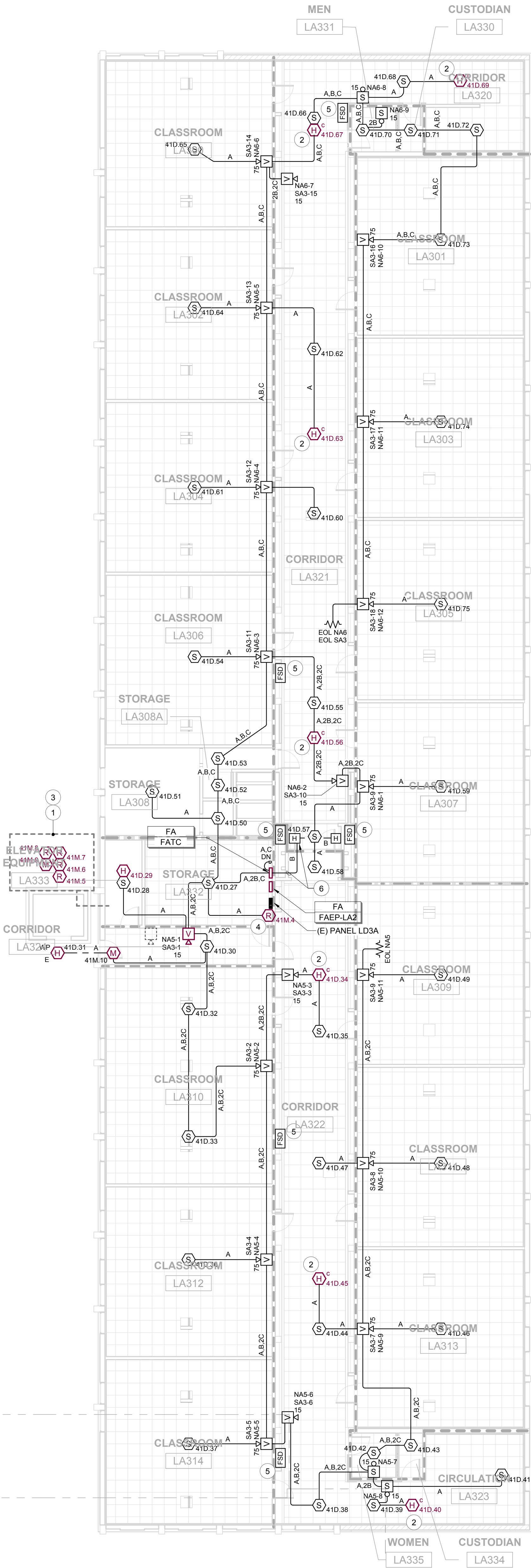
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20 BLDG LA - THIRD FLOOR - FIRE ALARM
1" = 10'-0"

NUMBERED SHEET NOTES

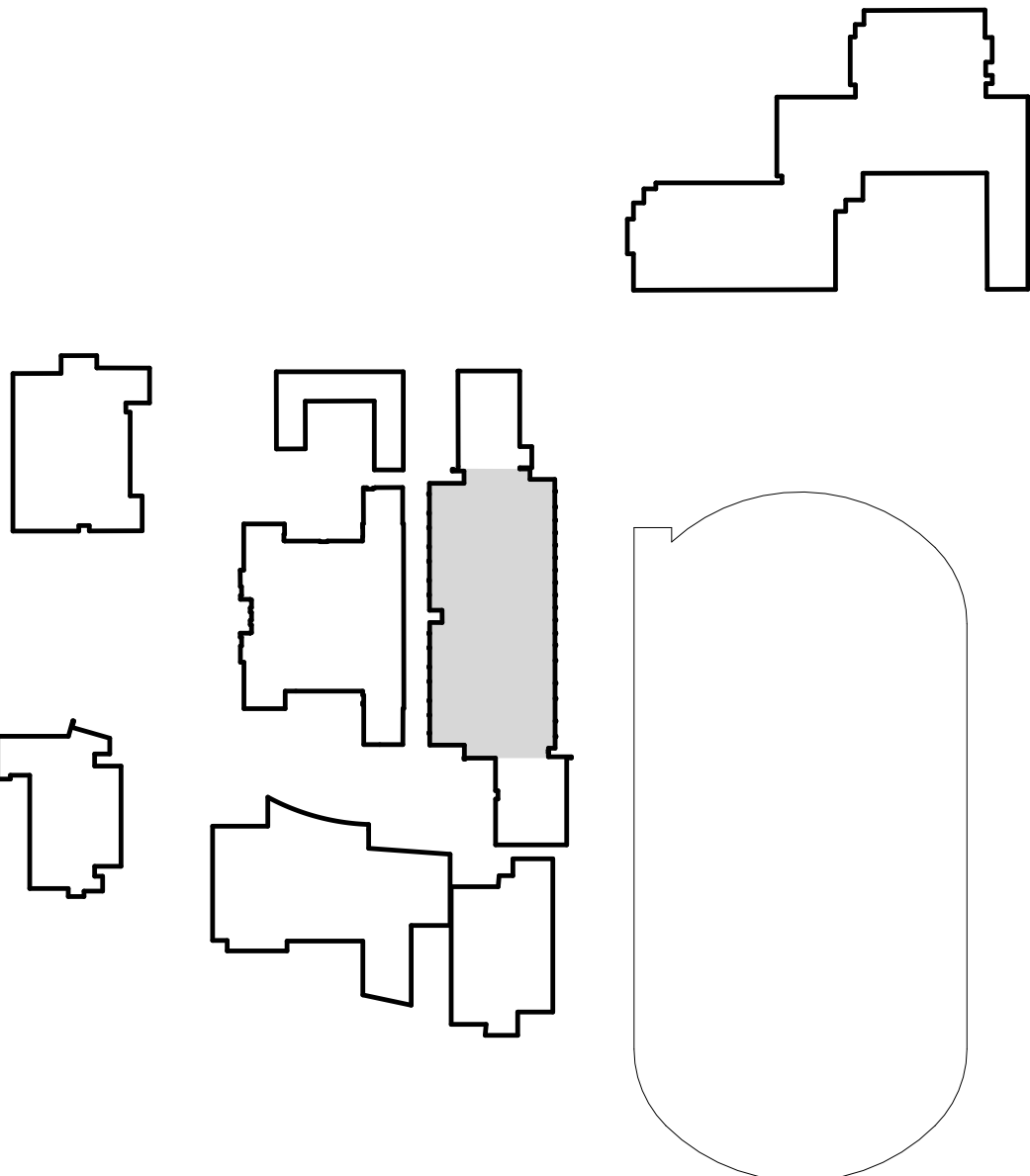
1. INTERCEPT EXISTING CONTACTS TO ELEVATOR CONTROLLER, AND PROVIDE RELAY MODULES FOR RECALL, ALT-RECALL, SHUNT TRIP AND FIREMANS HAT. CONNECT COMPLETE.
2. PROVIDE 14" x 14" FLUSH ACCESS PANEL AT EXISTING HARD-LID CEILING, FOR HEAT DETECTOR TESTING. PROVIDE NAMEPLATE AT ACCESS PANEL INDICATING PRESENCE OF HEAT DETECTOR AND THE DEVICE LOOP ID. REFER TO ARCHITECTURAL PLANS FOR ACCESS PANEL DETAILS.
3. VERIFY EXACT LOCATION OF SHUNT TRIP RELAY AND MONITOR MODULES PRIOR TO COMMENCING WORK. TO BE LOCATED AT EXISTING ELEVATOR FEEDER SHUNT TRIP DEVICE.
4. PROVIDE AND INSTALL NEW RELAY MODULE, AND INTERCEPT EXISTING BRANCH CIRCUIT LD3A-32, WHICH FEEDS ALL FIRE SMOKE DAMPER ASSEMBLIES ON THIS FLOOR.
5. EXISTING FIRE SMOKE DAMPER. SEE NUMBERED NOTE 4.
6. TERMINATE TO AUXILIARY 24V DC POWER OUTPUT ON FAEP. PROGRAM FOR DOOR HOLDER RELEASE UPON ACTIVATION OF BUILDING DETECTION SYSTEM.

WALL RATING LEGEND

- 1 HOUR RATED CORRIDOR WALL
- 2 HOUR RATED CORRIDOR WALL
- 4 HOUR RATED CORRIDOR WALL

FIRE ALARM SYMBOL LINE TYPE LEGEND

- EXISTING CEILING/WALL DEVICE TO BE REMOVED*
- NEW CEILING/WALL DEVICE AT EXISTING LOCATION**
- NEW CEILING/WALL DEVICE AT NEW/RELOCATED LOCATION***
- * REFER TO GENERAL DEMOLITION NOTES FOR REQUIREMENTS
- ** PROVIDE BOX EXTENSION TO ALLOW FOR INCREASED DEPTH OF SPEAKER DEVICE.
- *** PROVIDE AND INSTALL NEW 3/4" CONDUIT AS REQUIRED TO FACILITATE NEW DEVICE LOCATION. REFER TO SPECIFICATION FOR ALLOWABLE USES OF RACEWAY WITHIN FINISHED OR UNFINISHED SPACES.



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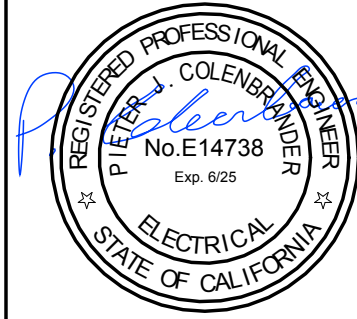
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Facility
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150 3RD ST, SAN RAFAEL, CA 94901

Project
FIRE ALARM UPGRADE

Sheet Title
**LA BLDG - FIRE ALARM PLAN
THIRD FLOOR**

Client Project Number:

Scale: AS NOTED

Drawn By: JK

Checked By: PJC

Issue Date: 09/06/2023

Revit Version: 2023

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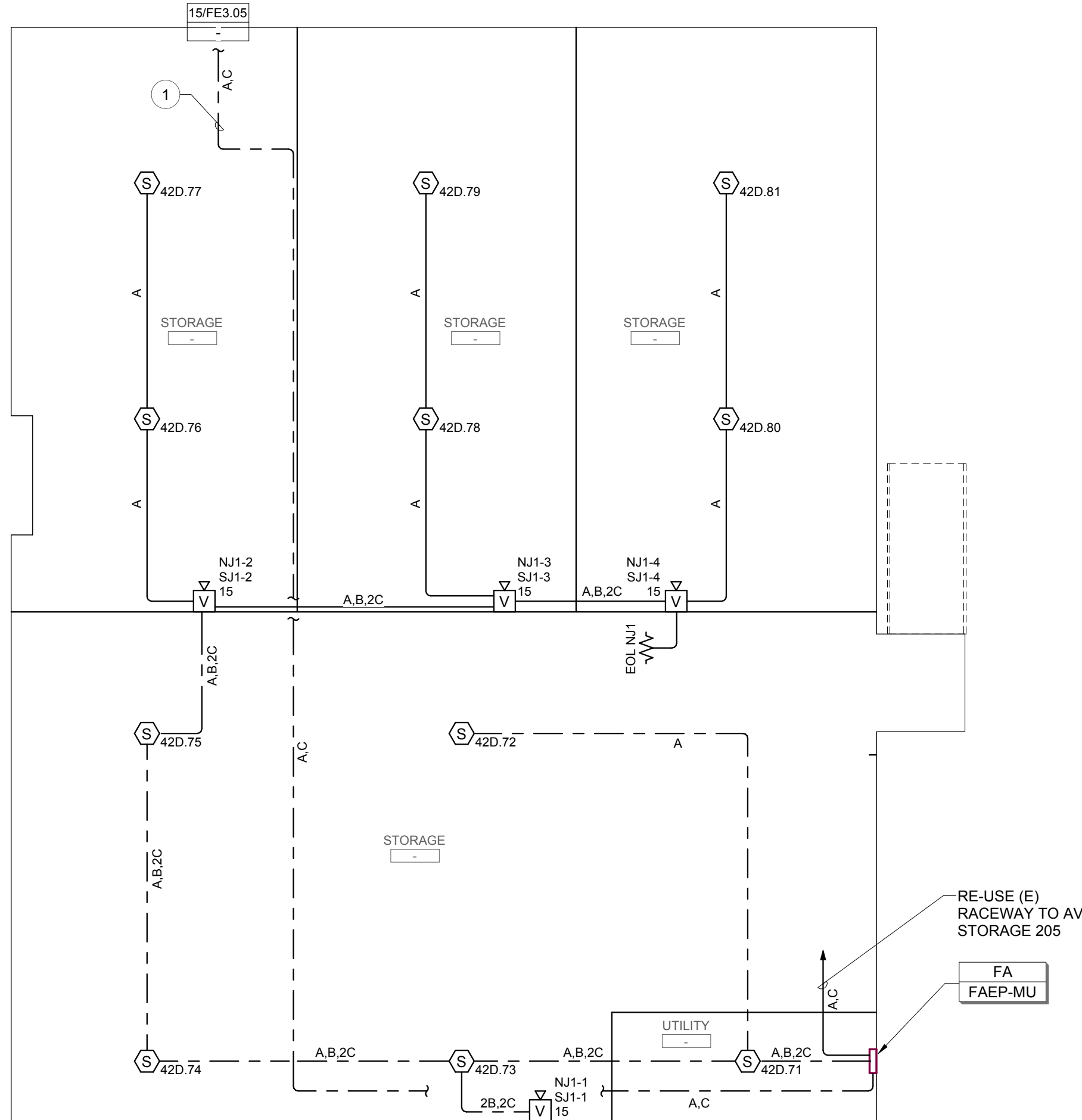
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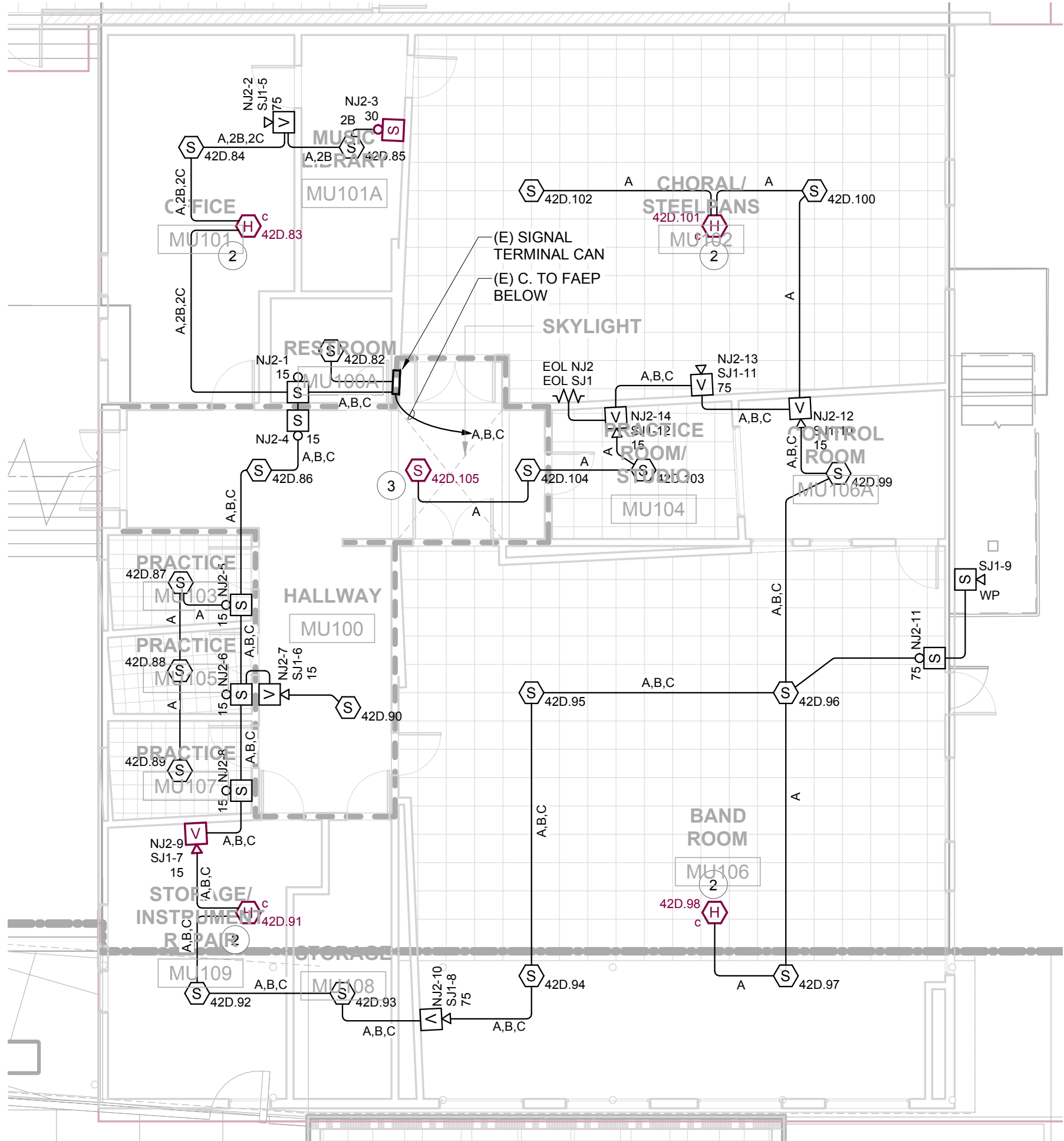
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16 BLDG MU - BASEMENT
1/8" = 1'-0"



15 BLDG MU - FIRST LEVEL - FIRE ALARM
1/8" = 1'-0"

NUMBERED SHEET NOTES

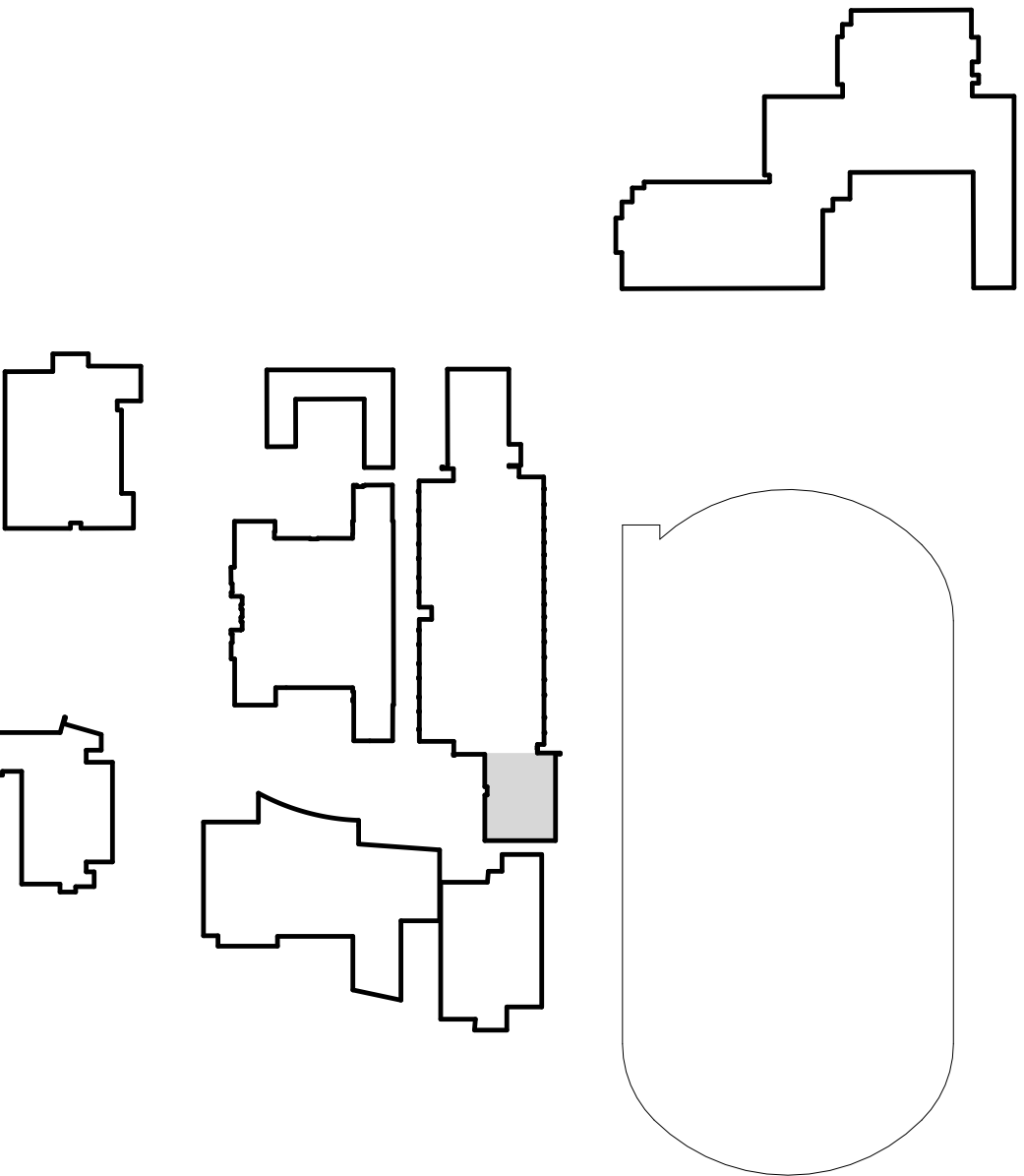
1. PROVIDE AND INSTALL 1-1/4" C. FROM BLDG LA STORAGE ROOM TO BLDG MU FIRE ALARM EXPANDER PANEL LOCATIONS. WHERE EXTERIOR WALLS ARE ENCOUNTERED, PROVIDE CORE DRILL TO INTERIOR SPACES, WITH 1/2" ANNULAR SPACE AROUND CONDUIT. SEAL "WATER-TIGHT".
2. PROVIDE 14" x 14" FLUSH ACCESS PANEL AT EXISTING HARD-LID CEILING, FOR HEAT DETECTOR TESTING. PROVIDE NAMEPLATE AT ACCESS PANEL INDICATING PRESENCE OF HEAT DETECTOR AND THE DEVICE LOOP ID. REFER TO ARCHITECTURAL PLANS FOR ACCESS PANEL DETAILS.
3. LOCATE DETECTOR IN SKYLIGHT WELL, WITHIN 3' OF TOP.

WALL RATING LEGEND

- 1 HOUR RATED CORRIDOR WALL
- 2 HOUR RATED CORRIDOR WALL
- 4 HOUR RATED CORRIDOR WALL

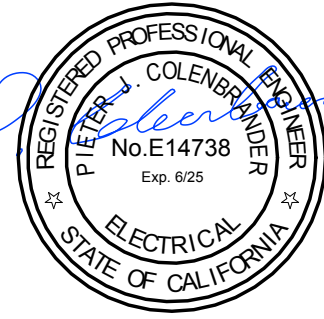
FIRE ALARM SYMBOL LINE TYPE LEGEND

- EXISTING CEILING/WALL DEVICE TO BE REMOVED*
- NEW CEILING/WALL DEVICE AT EXISTING LOCATION**
- NEW CEILING/WALL DEVICE AT NEW/RELOCATED LOCATION***
- * REFER TO GENERAL DEMOLITION NOTES FOR REQUIREMENTS
- ** PROVIDE BOX EXTENSION TO ALLOW FOR INCREASED DEPTH OF SPEAKER DEVICE.
- *** PROVIDE AND INSTALL NEW 3/4" CONDUIT AS REQUIRED TO FACILITATE NEW DEVICE LOCATION. REFER TO SPECIFICATION FOR ALLOWABLE USES OF RACEWAY WITHIN FINISHED OR UNFINISHED SPACES.



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HY Architects Project number: 6020

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Project
FIRE ALARM UPGRADE

Sheet Title
**MU BLDG - FIRE ALARM PLAN
FIRST LEVEL**

Client Project Number:

Scale: AS NOTED

Drawn By: JK

Checked By: PJC

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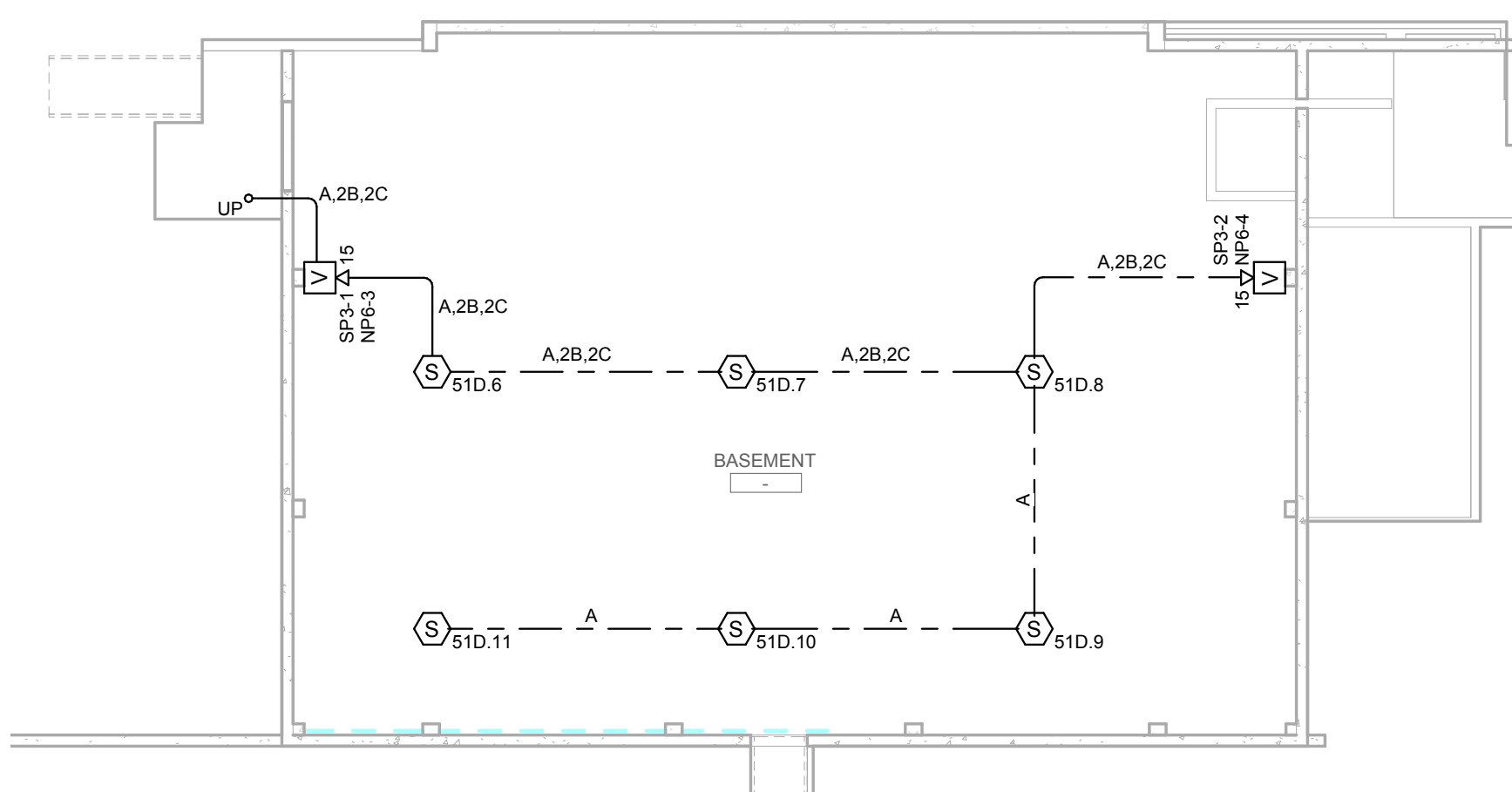
- RE-USE EXISTING RACEWAY FOR NEW FIRE ALARM CABLING. T-TAP SLC AT NEAREST SOURCE.
- PROVIDE AND INSTALL HAND ACCESS HATCH FOR HEAT DETECTOR TESTING. LABEL "HEAT DETECTOR ####", WHERE #### IS RESPECTIVE DEVICE ID.
- INTERCEPT AND EXTEND THE EXISTING FIRE ALARM RACEWAY TO ALLOW FOR DEVICE LOCATION AS SHOWN. ALL CONDUIT IN FINISHED AREAS SHALL BE PAINTED PER THE DIRECTION OF THE ARCHITECT.
- HOMERUN TO ELEC RM G112 AND TERMINATE TO AUXILIARY 24V DC POWER OUTPUT ON FAEP. PROGRAM FOR DOOR HOLDER RELEASE UPON ACTIVATION OF BUILDING DETECTION SYSTEM.
- IN POOL EQUIPMENT ROOM, CONDUITS SHALL BE R.G.S.

WALL RATING LEGEND

- 1 HOUR RATED CORRIDOR WALL
- 2 HOUR RATED CORRIDOR WALL
- 4 HOUR RATED CORRIDOR WALL

FIRE ALARM SYMBOL LINE TYPE LEGEND

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BLDG PE - FIRST LEVEL - FIRE ALARM

1" = 10'-0"

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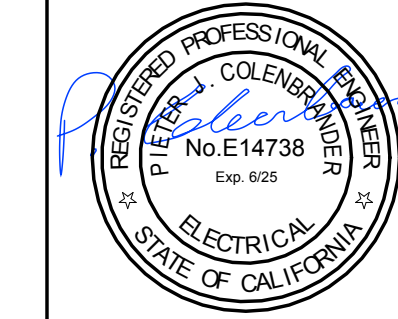
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Project
FIRE ALARM APPRAISE

Sheet Title
PE BLDG - FIRE ALARM PLAN
FIRST LEVEL

Client Project Number:

Scale: AS NOTED

Drawn By: JK

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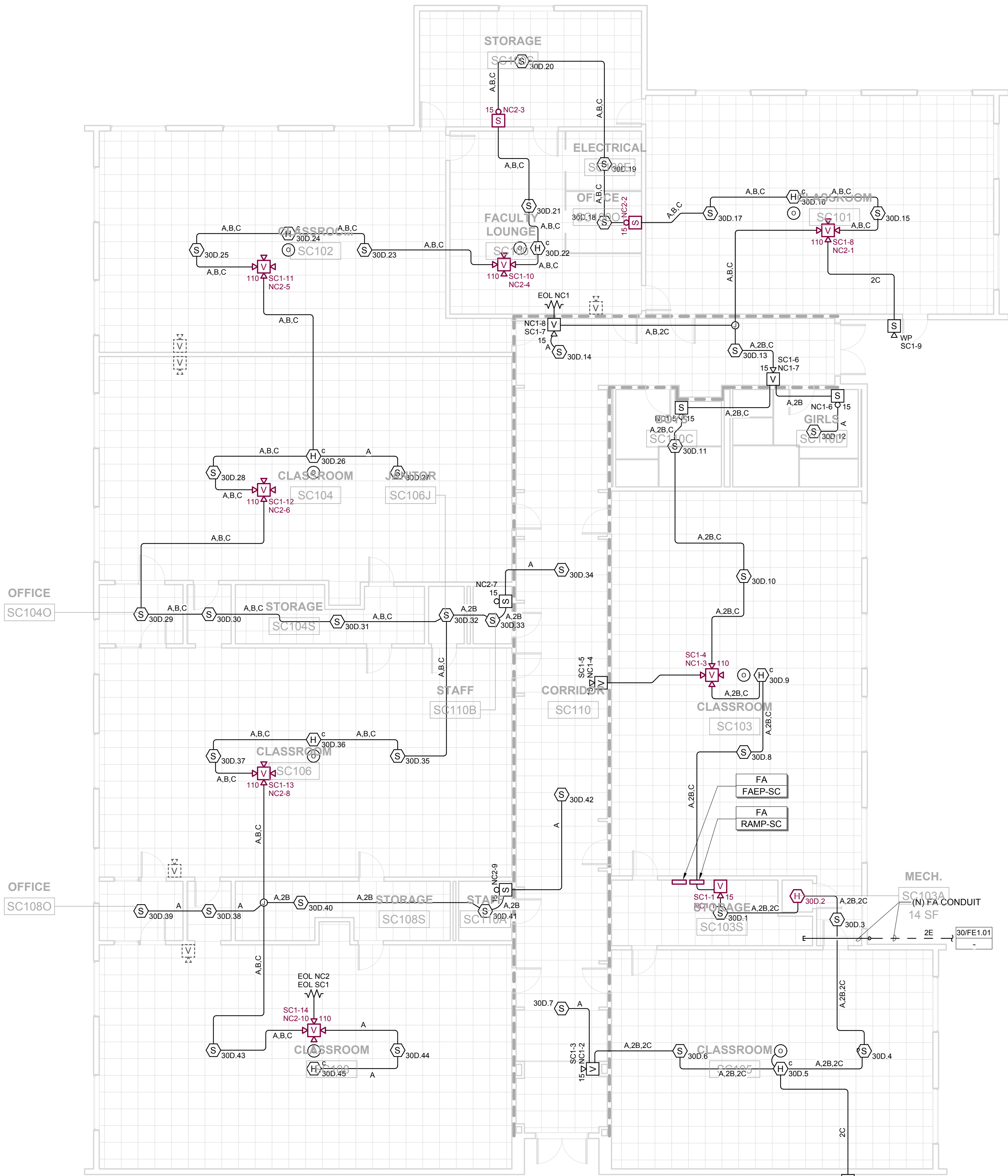
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WALL RATING LEGEND

- 1 HOUR RATED CORRIDOR WALL
- 2 HOUR RATED CORRIDOR WALL
- 4 HOUR RATED CORRIDOR WALL

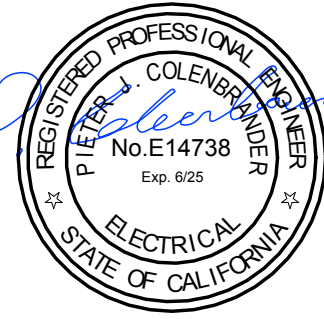
FIRE ALARM SYMBOL LINE TYPE LEGEND

- EXISTING CEILING/WALL DEVICE TO BE REMOVED*
- NEW CEILING/WALL DEVICE AT EXISTING LOCATION**
- NEW CEILING/WALL DEVICE AT NEW/RELOCATED LOCATION***
- * REFER TO GENERAL DEMOLITION NOTES FOR REQUIREMENTS
- ** PROVIDE BOX EXTENSION TO ALLOW FOR INCREASED DEPTH OF SPEAKER DEVICE.
- *** PROVIDE AND INSTALL NEW 3/4" CONDUIT AS REQUIRED TO FACILITATE NEW DEVICE LOCATION. REFER TO SPECIFICATION FOR ALLOWABLE USES OF RACEWAY WITHIN FINISHED OR UNFINISHED SPACES.



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Project
FIRE ALARM UPGRADE

Sheet Title
**SC BLDG - FIRE ALARM PLAN
FIRST LEVEL**

Client Project Number:

Scale: AS NOTED

Drawn By: JK

Checked By: PJC

Issue Date: 09/06/2023

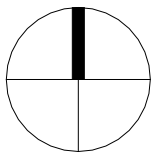
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20 BLDG SC FIRST LEVEL - FIRE ALARM
1/8" = 1'-0"



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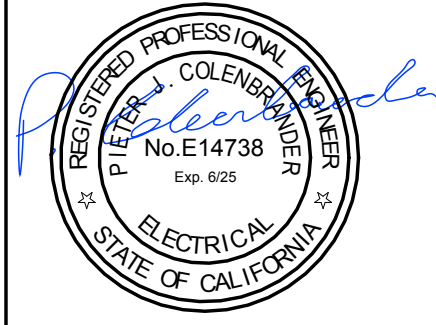
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Project
FIRE ALARM UPGRADE

Sheet Title
TE BLDG - FIRE ALARM PLANS

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NUMBERED SHEET NOTES

1. PROVIDE SIMILAR SITE INVESTIGATIONS AS SHOWN ON DEMO PLANS TO VERIFY ROUTE TO EXTERIOR. RE-USE IF FEASIBLE. INCLUDE ALLOWANCE FOR NEW RACEWAY 1-1/2" C. FROM THIS TERMINAL CAN TO THE EXISTING PULLBOXES AT THE SITE.
2. INTERCEPT EXISTING CONTACTS TO ELEVATOR CONTROLLER, AND PROVIDE RELAY MODULES FOR RECALL, ALT-RECALL, SHUNT TRIP AND FIREMANS HAT. CONNECT COMPLETE.
3. PROVIDE AND INSTALL 1-1/4" C. FROM BLDG LA STORAGE ROOM TO BLDG TE FIRE ALARM EXPANDER PANEL LOCATIONS. WHERE EXTERIOR WALLS ARE ENCOUNTERED, PROVIDE CORE DRILL TO INTERIOR SPACES, WITH 1/2" ANNULAR SPACE AROUND CONDUIT. SEAL "WATER-TIGHT".
4. PROVIDE 14" x 14" FLUSH ACCESS PANEL AT EXISTING HARD-LID CEILING, FOR HEAT DETECTOR TESTING. PROVIDE NAMEPLATE AT ACCESS PANEL INDICATING PRESENCE OF HEAT DETECTOR AND THE DEVICE LOOP ID. REFER TO ARCHITECTURAL PLANS FOR ACCESS PANEL DETAILS.
5. VERIFY EXACT LOCATION OF SHUNT TRIP RELAY AND MONITOR MODULES PRIOR TO COMMENCING WORK. TO BE LOCATED AT EXISTING ELEVATOR FEEDER SHUNT TRIP DEVICE.

WALL RATING LEGEND

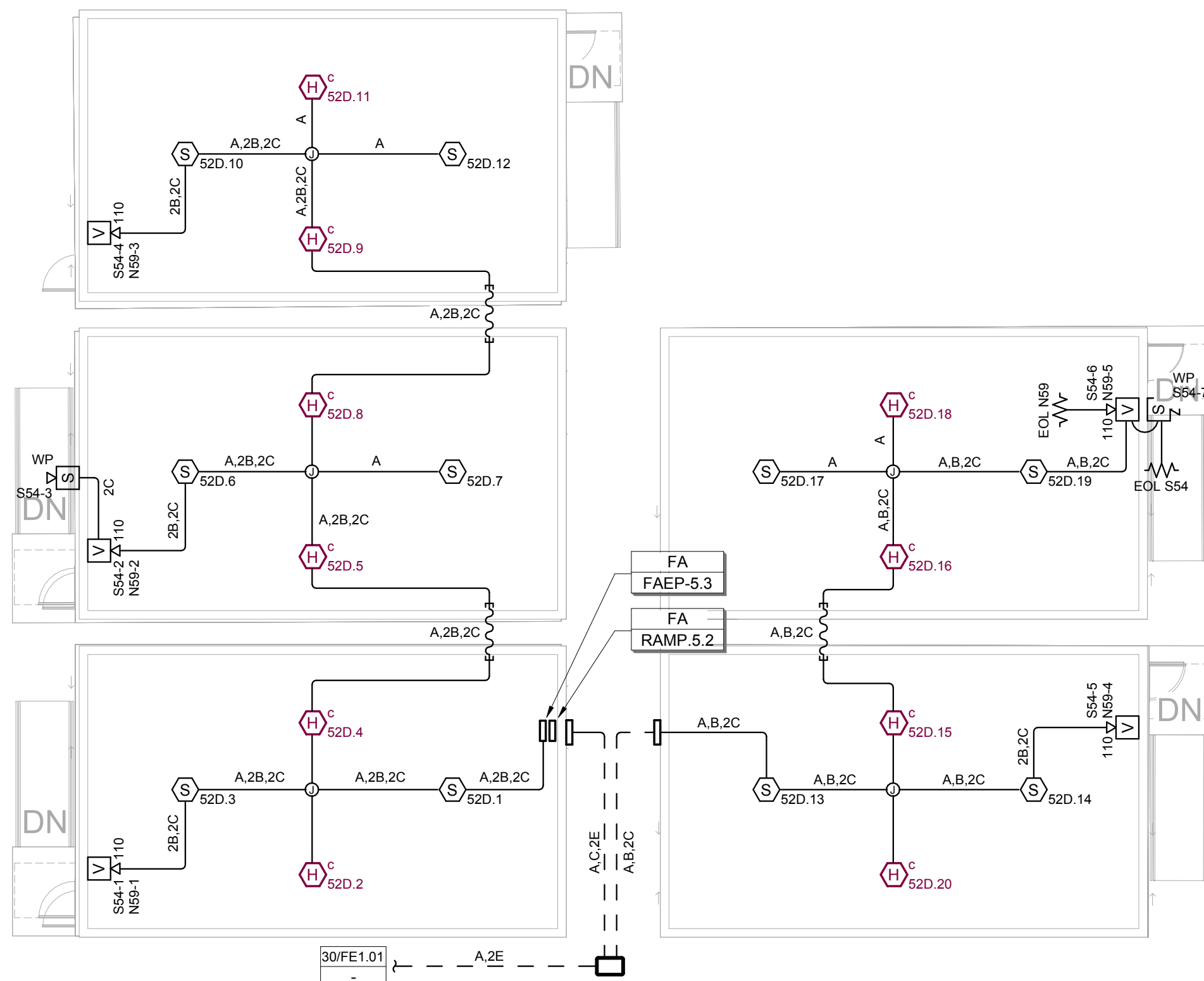
- 1 HOUR RATED CORRIDOR WALL
- 2 HOUR RATED CORRIDOR WALL
- 4 HOUR RATED CORRIDOR WALL

FIRE ALARM SYMBOL LINE TYPE LEGEND

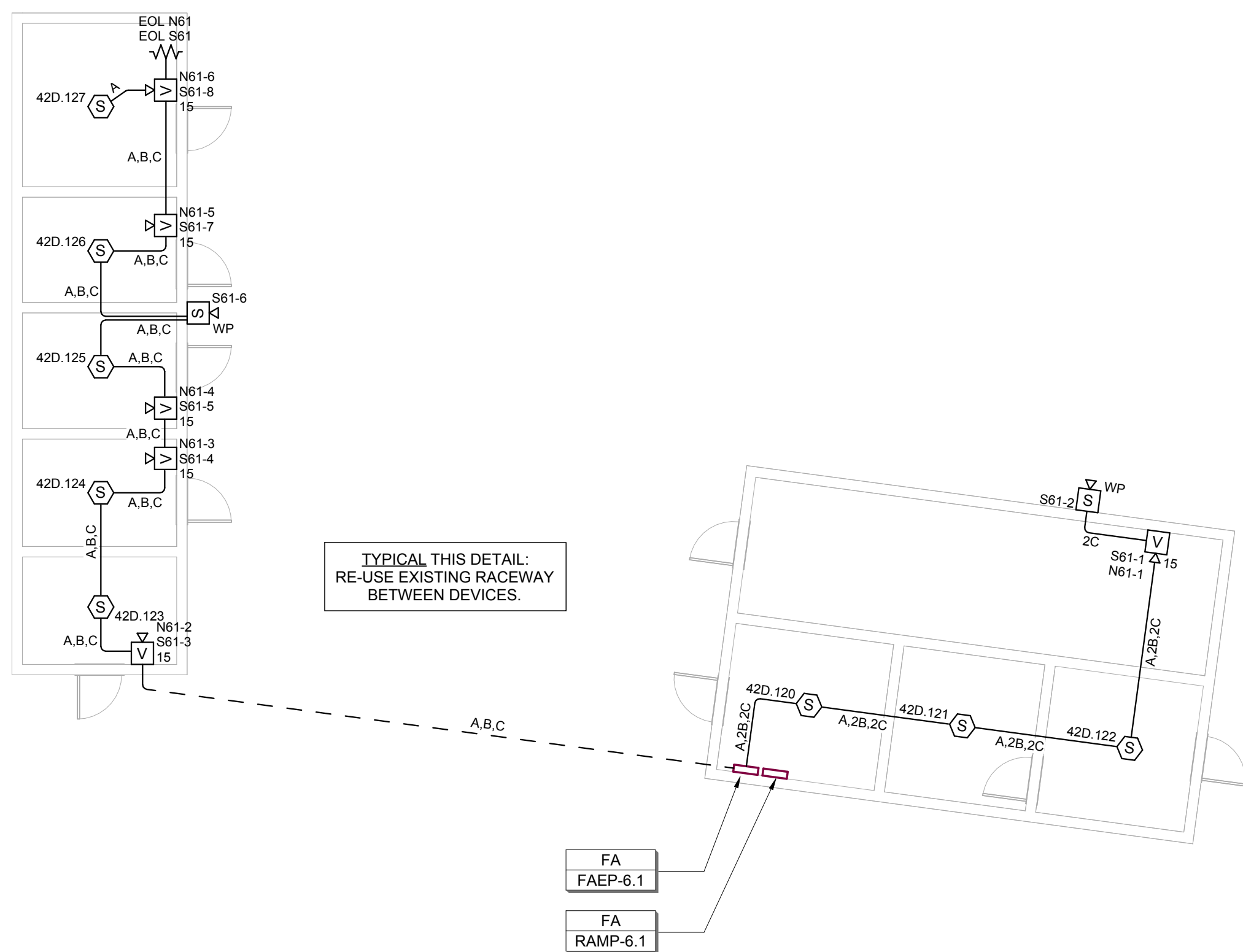
- EXISTING CEILING/WALL DEVICE TO BE REMOVED*
- NEW CEILING/WALL DEVICE AT EXISTING LOCATION**
- NEW CEILING/WALL DEVICE AT NEW/RELOCATED LOCATION***
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25 BLDG TE GROUND FLOOR - FIRE ALARM
1/8" = 1'-0"

15 BLDG TE FIRST LEVEL - FIRE ALARM
1/8" = 1'-0"

[illegible]

③ PARTIAL PLAN - PRESSBOX
1/8" = 1'-0"



4 PARTIAL PLAN - TRACK BLDGS
1/8" = 1'-0"

1. PROVIDE AND INSTALL NEW RELAY AND MONITOR MODULES TO REPLACE EXISTING, FOR CONNECTION TO CAMPUS WIDE NOTIFIER SYSTEM.
2. EXISTING MANUAL/AUTOMATIC SYSTEM TO REMAIN PROTECTED IN PLACE. SEE NUMBERED NOTE 1 FOR CONNECTION TO NEW CAMPUS WIDE NOTIFIER SYSTEM.

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 1 HOUR RATED CORRIDOR WALL

 1 HOUR RATED CORRIDOR WALL

 2 HOUR RATED CORRIDOR WALL

 4 HOUR RATED CORRIDOR WALL

 EXISTING CEILING/WALL DEVICE TO BE REMOVED*

 EXISTING CEILING/WALL DEVICE TO BE REMOVED*

  NEW CEILING/WALL DEVICE AT EXISTING LOCATIO

  NEW CEILING/WALL DEVICE AT EXISTING LOCATIO

 NEW CEILING/WALL DEVICE AT NEW/RELOCATED L

 NEW CEILING/WALL DEVICE AT NEW/RELOCATED L

* REFER TO GENERAL DEMOLITION NOTES FOR REQUIREMENTS

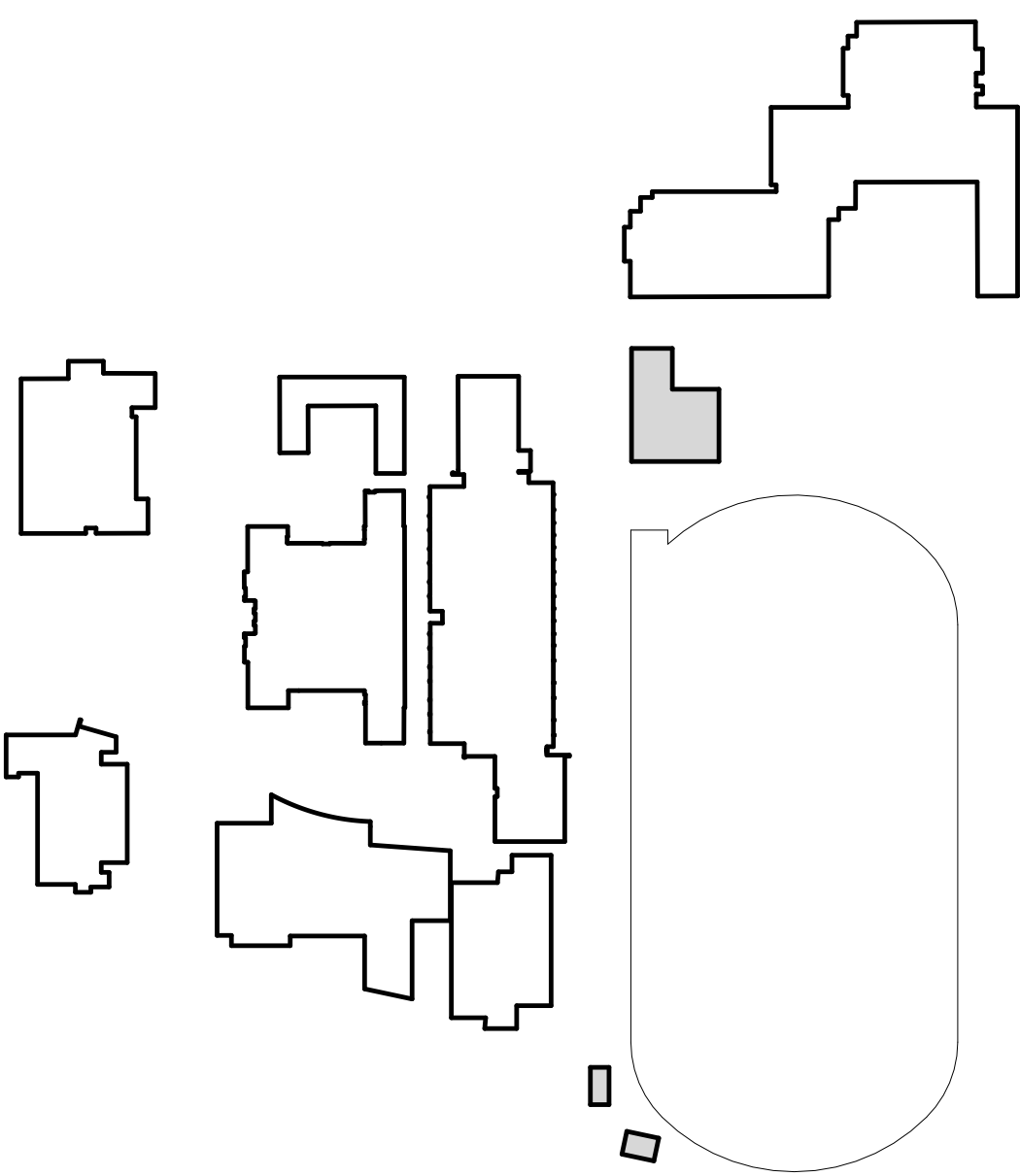
* REFER TO GENERAL DEMOLITION NOTES FOR REQUIREMENTS

** PROVIDE BOX EXTENSION TO ALLOW FOR INCREASED DEPTH OF SPEAKER DEVICE.

** PROVIDE BOX EXTENSION TO ALLOW FOR INCREASED DEPTH OF SPEAKER DEVICE.

*** PROVIDE AND INSTALL NEW 3/4" CONDUIT AS REQ
TO FACILITATE NEW DEVICE LOCATION. REFER TO

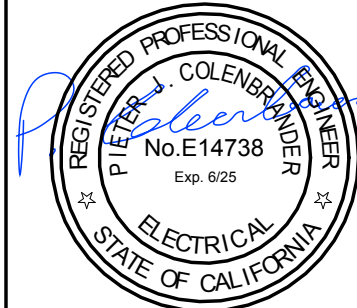
*** PROVIDE AND INSTALL NEW 3/4" CONDUIT AS REQ
TO FACILITATE NEW DEVICE LOCATION. REFER TO



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HY Architects Project number: 602

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Project
FIRE ALARM UPGRADE

Sheet Title

MISC SITE BLDGS - FIRE
ALARM PLANS

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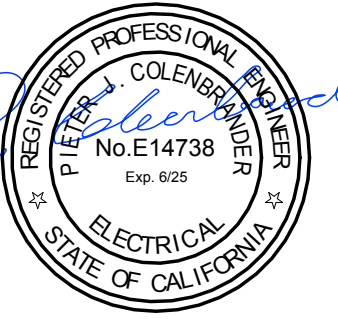
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Project
FIRE ALARM UPGRADE

Sheet Title
**RISER DIAGRAM - FIRE
ALARM**

Client Project Number:

Scale: AS NOTED

Drawn By: JK

Checked By: PJC

Issue Date: 09/06/2023

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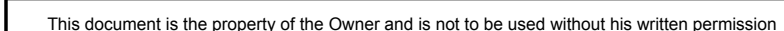
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1 FIRE ALARM RISER DIAGRAM - FACP 2 & 3 - NACS
NO SCALE

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HY Architects Project number:	6020
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Project
FIRE ALARM UPGRADE

Sheet Title

**RISER DIAGRAM - FIRE
ALARM**

Client Project Number:	
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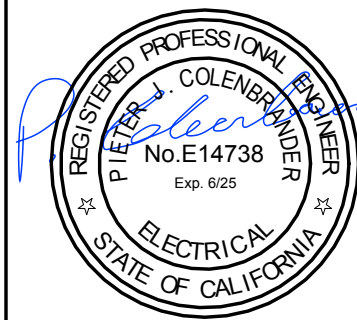
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Project
FIRE ALARM UPGRADE

Sheet Title
RISER DIAGRAM - FIRE ALARM

Client Project Number:

Scale: AS NOTED

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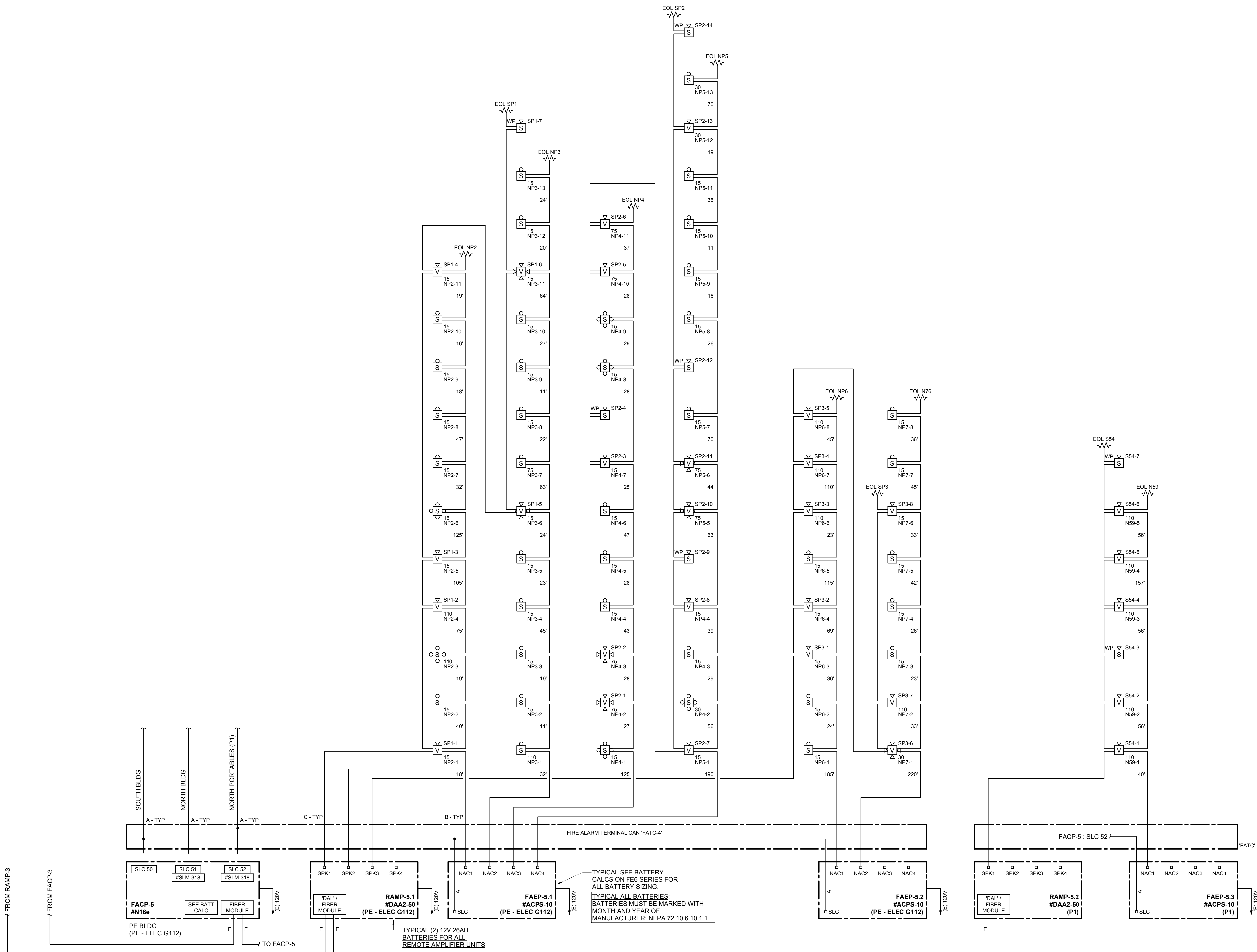
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① FIRE ALARM RISER DIAGRAM - FACP-5 - NACS
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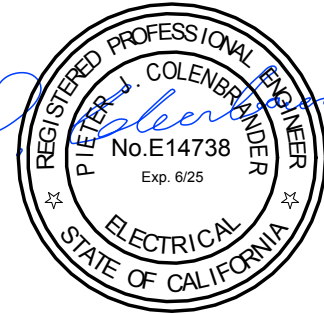
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Project
FIRE ALARM UPGRADE

Sheet Title
RISER DIAGRAM - FIRE
ALARM

Client Project Number:

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1 FIRE ALARM RISER DIAGRAM - FACP-2 & 3 - INITIATION
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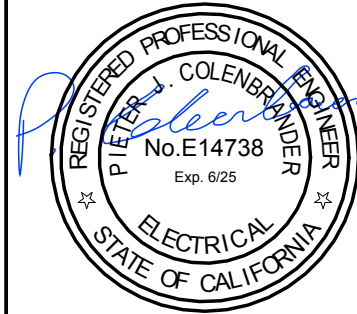
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Project
FIRE ALARM UPGRADE

Sheet Title
**RISER DIAGRAM - FIRE
ALARM**

Client Project Number:

Scale: AS NOTED

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Checked By: PJC

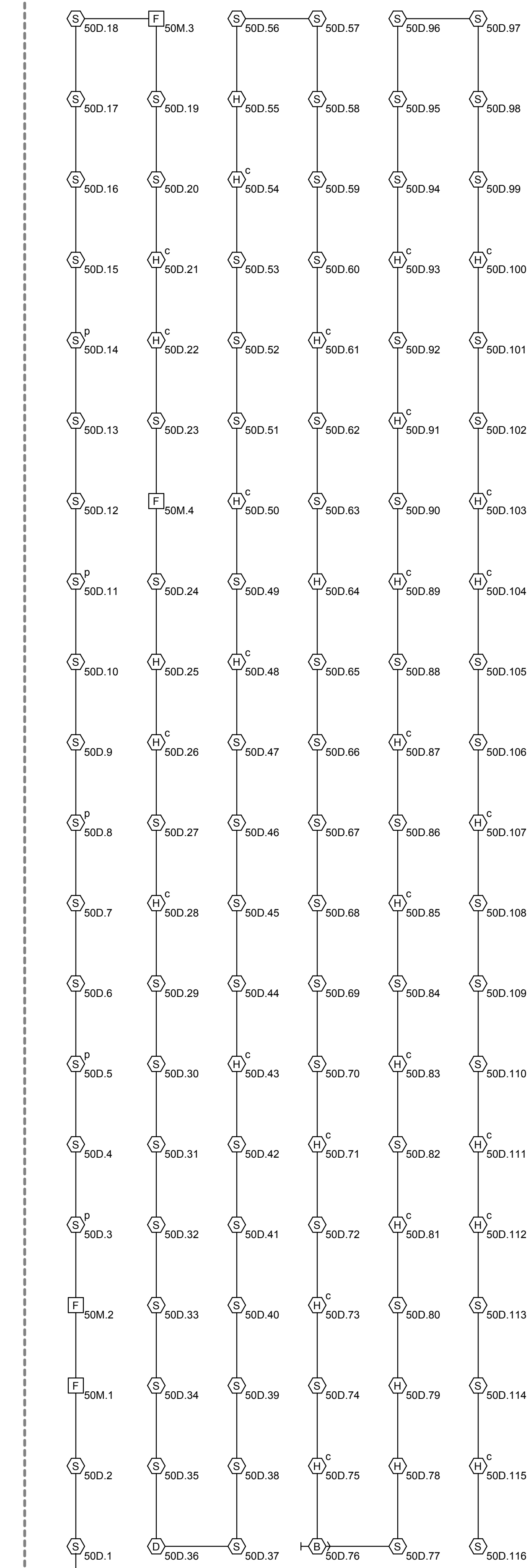
Issue Date: 09/06/2023

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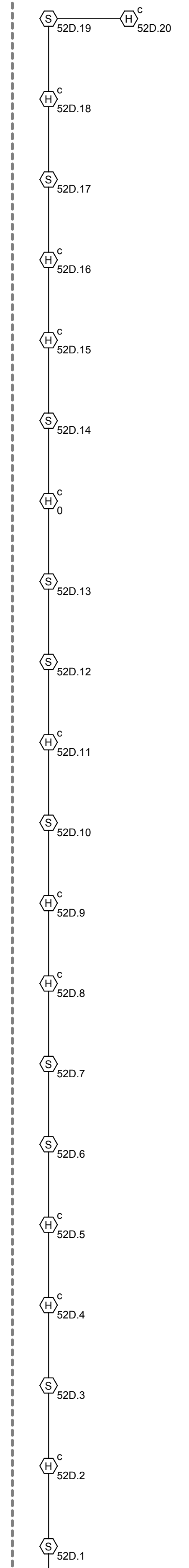
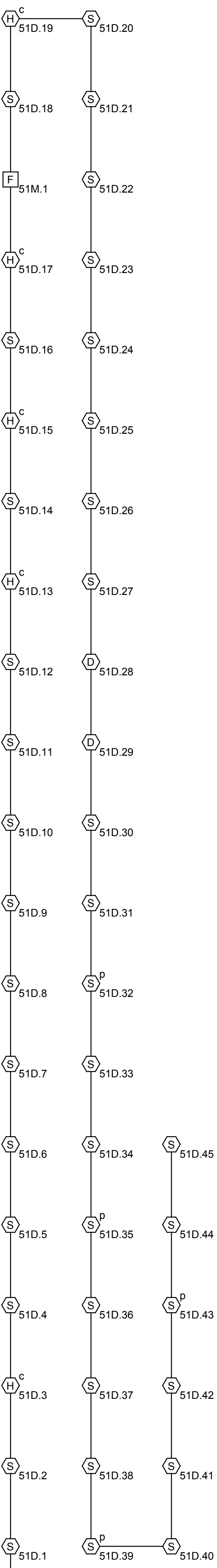
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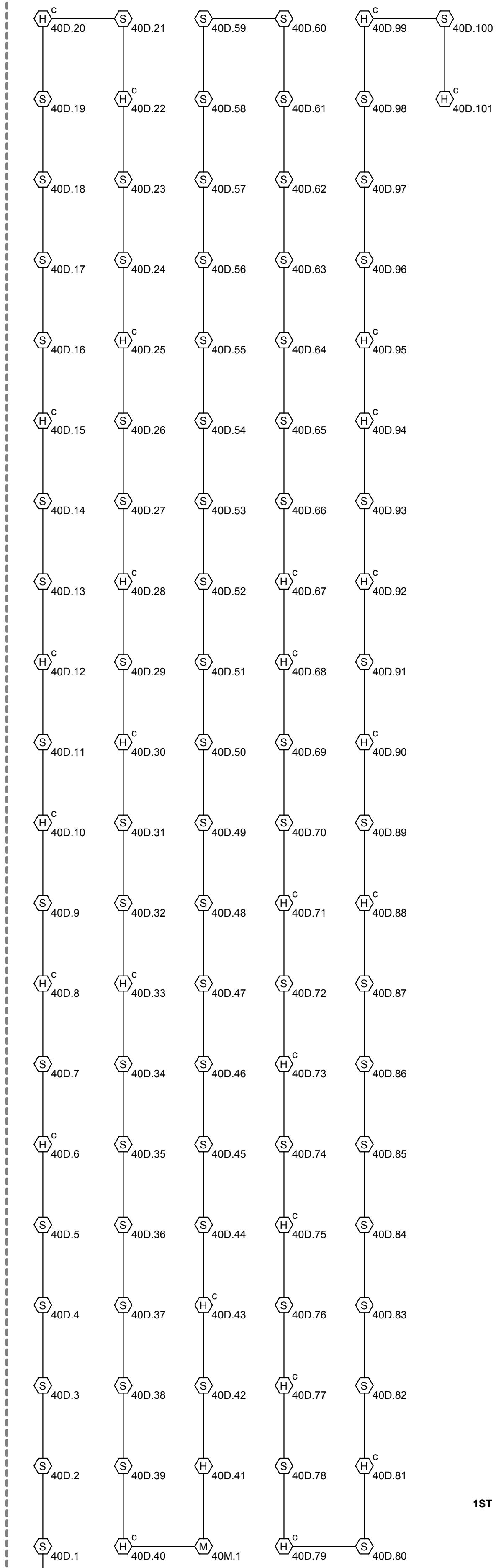
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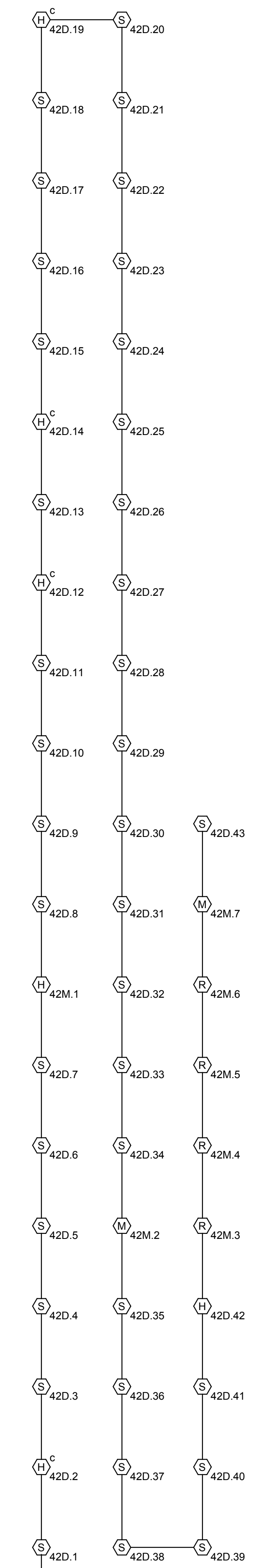
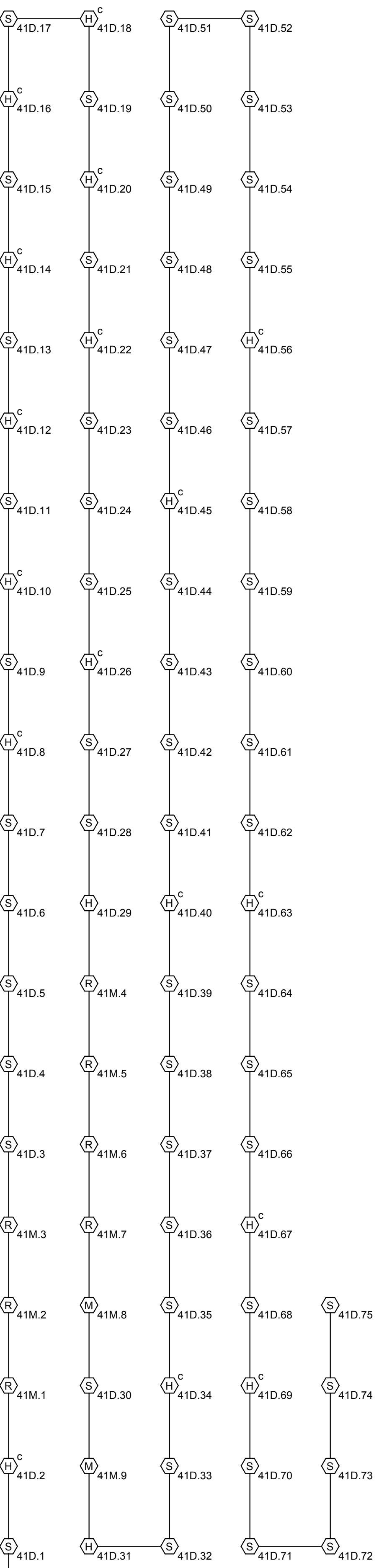
PORTABLE
BUILDINGS



LA BUILDING

1ST FLR

BSMT /
2ND FLR



TE BUILDING


MU BUILDING

1 FIRE ALARM RISER DIAGRAM - FACP-4 & 5 - INITIATION
NO SCALE

Autodesk Docs//223031-San Rafael High School FA Upgrade/223031_SRHS_Fire Alarm_R23.rvt 10/30/2023 1:37:21 PM



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 01-120972 INC: 

REVIEWED FOR

SS ☐ FLS ☒ ACS ☐

DATE: 11/7/2023



Revisions			
Delta	Date	Revisions	By

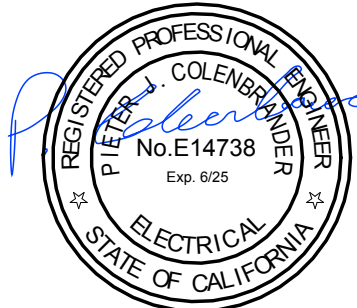
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Project
FIRE ALARM UPGRADE

Sheet Title
CALCULATIONS - FIRE ALARM

Client Project Number:

Scale: AS NOTED
Drawn By: JK
Checked By: PJC
Issue Date: 09/06/2023
Revit Version: 2023

Sheet

FE6.05

Sheet of

BATTERY CALCULATIONS: FACP-5 (N16e)

STANDBY MODE	EA (A)	QTY.	CURRENT
CONTROL UNIT	0.1500	1	0.150
LOOP 1 DETECTORS	0.0004	114	0.046
LOOP 1 MODULES	0.0004	4	0.002
LOOP 2 DETECTORS	0.0004	45	0.017
LOOP 2 MODULES	0.0004	2	0.001
LOOP 3 DETECTORS	0.0004	39	0.015
LOOP 3 MODULES	0.0004	0	0.000

TOTAL STANDBY CURRENT = 0.230 A
REQUIRED (24 HOURS) = 5.515 AH

ALARM MODE	EA (A)	QTY.	CURRENT
CONTROL UNIT	0.2750	1	0.275
LOOP 1 DETECTORS	0.0065	114	0.741
LOOP 1 MODULES	0.0004	4	0.002
LOOP 2 DETECTORS	0.0004	45	0.017
LOOP 2 MODULES	0.0004	2	0.001
LOOP 3 DETECTORS	0.0004	39	0.015
LOOP 3 MODULES	0.0004	0	0.000

TOTAL ALARM CURRENT = 1.050 A
REQUIRED (15 MIN) = 0.263 AH

TOTAL POWER REQUIRED WITH 120%
BATTERY DERATING FACTOR = 6.933 AH

PROVIDE TWO 12V, 12AH 60AH BATTERIES

BATTERY CALCULATIONS: FACP-2 (N16e)

STANDBY MODE	EA (A)	QTY.	CURRENT
CONTROL UNIT	0.1500	1	0.150
LOOP 1 DETECTORS	0.0004	146	0.058
LOOP 1 MODULES	0.0004	6	0.002
LOOP 2 DETECTORS	0.0004	80	0.030
LOOP 2 MODULES	0.0004	17	0.006
LOOP 3 DETECTORS	0.0004	43	0.016
LOOP 3 MODULES	0.0004	5	0.002

TOTAL STANDBY CURRENT = 0.266 A
REQUIRED (24 HOURS) = 6.379 AH

ALARM MODE	EA (A)	QTY.	CURRENT
CONTROL UNIT	0.2750	1	0.275
LOOP 1 DETECTORS	0.0065	146	0.949
LOOP 1 MODULES	0.0004	6	0.002
LOOP 2 DETECTORS	0.0004	80	0.030
LOOP 2 MODULES	0.0004	17	0.006
LOOP 3 DETECTORS	0.0004	43	0.016
LOOP 3 MODULES	0.0004	5	0.002

TOTAL ALARM CURRENT = 1.281 A
REQUIRED (15 MIN) = 0.320 AH

TOTAL POWER REQUIRED WITH 120%
BATTERY DERATING FACTOR = 8.039 AH

PROVIDE TWO 12V, 12AH 60AH BATTERIES

BATTERY CALCULATIONS: FACP-3 (N16e)

STANDBY MODE	EA (A)	QTY.	CURRENT
CONTROL UNIT	0.1500	1	0.150
LOOP 1 DETECTORS	0.0004	45	0.018
LOOP 1 MODULES	0.0004	0	0.000
LOOP 2 DETECTORS	0.0004	0	0.000
LOOP 2 MODULES	0.0004	0	0.000
LOOP 3 DETECTORS	0.0004	0	0.000
LOOP 3 MODULES	0.0004	0	0.000

TOTAL STANDBY CURRENT = 0.168 A
REQUIRED (24 HOURS) = 4.032 AH

ALARM MODE	EA (A)	QTY.	CURRENT
CONTROL UNIT	0.2750	1	0.275
LOOP 1 DETECTORS	0.0065	45	0.293
LOOP 1 MODULES	0.0004	0	0.000
LOOP 2 DETECTORS	0.0004	0	0.000
LOOP 2 MODULES	0.0004	0	0.000
LOOP 3 DETECTORS	0.0004	0	0.000
LOOP 3 MODULES	0.0004	0	0.000

TOTAL ALARM CURRENT = 0.568 A
REQUIRED (15 MIN) = 0.142 AH

TOTAL POWER REQUIRED WITH 120%
BATTERY DERATING FACTOR = 5.009 AH

PROVIDE TWO 12V, 12AH 60AH BATTERIES

BATTERY CALCULATIONS: FACP-4 (N16e)

STANDBY MODE	EA (A)	QTY.	CURRENT
CONTROL UNIT	0.1500	1	0.150
LOOP 1 DETECTORS	0.0004	101	0.040
LOOP 1 MODULES	0.0004	1	0.000
LOOP 2 DETECTORS	0.0004	68	0.026
LOOP 2 MODULES	0.0004	7	0.003
LOOP 3 DETECTORS	0.0004	71	0.027
LOOP 3 MODULES	0.0004	5	0.002

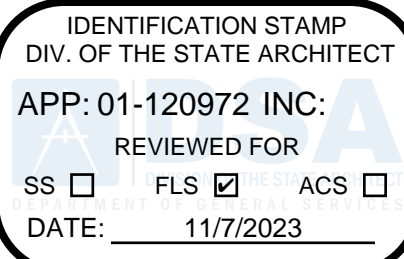
TOTAL STANDBY CURRENT = 0.248 A
REQUIRED (24 HOURS) = 5.956 AH

ALARM MODE	EA (A)	QTY.	CURRENT
CONTROL UNIT	0.2750	1	0.275
LOOP 1 DETECTORS	0.0065	101	0.657
LOOP 1 MODULES	0.0004	1	0.000
LOOP 2 DETECTORS	0.0004	68	0.026
LOOP 2 MODULES	0.0004	7	0.003
LOOP 3 DETECTORS	0.0004	71	0.027
LOOP 3 MODULES	0.0004	5	0.002

TOTAL ALARM CURRENT = 0.989 A
REQUIRED (15 MIN) = 0.247 AH

TOTAL POWER REQUIRED WITH 120%
BATTERY DERATING FACTOR = 7.444 AH

PROVIDE TWO 12V, 12AH 60AH BATTERIES



FINAL CUT AFTER BACKFILL & COMPACTION, JUST PRIOR TO REPLACEMENT, REPLACE W/ LIKE SURFACE MATERIAL

INITIAL CUT FOR EXCAVATION & BACKFILL

FINISHED GRADE (MATCH EXISTING SURFACE)

0' - 6"

0' - 6"

AS NECESSARY

24" MINIMUM (36" FOR PRIMARY)

0' - 6"

0' - 4"

0' - 4"

0' - 3"

0' - 3"

0' - 3"

12" MINIMUM

COMPACTED BACK FILL - SEE SPECS

6" YELLOW NYLAR MARKING TAPE

FINE COURSE SAND AROUND CONDUITS

TYPICAL CONDUIT ARRANGEMENT, CONFIRM ACTUAL QUANTITIES REQUIRED.

(E) CONCRETE WALL

METAL CONDUIT (ONE PER SYSTEM PENETRATION) SIZE AND QTY AS PER PLANS

EATON "LINK-SEAL" #LSA MODEL 1'S 3HR RATED FIRE SEAL (OR EQUAL), LOCATE AT POINT OF CONTACT ON BOTH SIDES OF WALL

ANNULAR SPACE

*CORE DRILL DIAMETER:
MIN = 2"
MAX = 18"
DIAMETERS SHALL BE PER MFR

HEX BOLT AND NUT ASSEMBLY PROVIDED WITH MFRG ASSEMBLY. TORQUE PER MFRG INSTALLATION INSTRUCTIONS.

Diagram illustrating a typical site conduit installation. The diagram shows a cross-section of the ground with a conduit, a pullbox lid, and a stub up conduit. Labels include:

- BUSH END OF CONDUIT, TYPICAL
- FINISHED PAVED SURFACE GRADE
- PULLBOX LID AS REQUIRED BY LOCATION, WITH ENGRAVED LABEL TO I.D. EACH SYSTEM
- FLUSH WITH FINISHED GRADE
- MIN
- 1'-8" MIN
- TYPICAL SITE CONDUIT
- STUB UP CONDUIT MIN. 3'

A cross-sectional diagram of a typical site conduit installation. The diagram shows a horizontal conduit (TYPICAL SITE CONDUIT) entering a vertical pullbox (PULLBOX LID AS REQUIRED BY LOCATION, WITH ENGRAVED LABEL TO I.D. EACH SYSTEM). The pullbox is installed at a depth of 1'-8" MIN. below the finished grade (FINISHED GRADE). The conduit is connected to a stub up conduit (STUB UP CONDUIT MIN. 3" ABOVE BASE MATERIAL TO MITIGATE DEBRIS FROM ENTERING CONDUIT) that extends upwards. The base material is shown as a textured area. The diagram also indicates a minimum depth of 34" ABOVE GRADE for the pullbox lid.

2" BRASS CAP

FINISHED GRADE

2" GALVANIZED STEEL PIPE

CONDUIT STUB-OUT WITH CAP

NOTES:

1. ENGRAVE BRASS CAP INDICATING FUNCTION & FINAL DESTINATION

A. RIGID STEEL COUPLING FLUSH WITH TOP OF SLAB. PROVIDE FLUSH PLUG ON COUPLING.

B. STUB-UP 6" AT LOCATION SHOWN ON DRAWINGS. CAP WITH THREADED COMBINATION COUPLING (RIGID STEEL TO EMT AND PLUG). SET SCREW CONNECTORS NOT ALLOWED.

C. STUB-UP 6" AT LOCATION SHOWN ON DRAWINGS. BUSH END OF CONDUIT.

Labels in the diagram include: TOP OF SLAB, MIN. 4" STUB, 1'-2", RIGID STEEL WRAPPED CONDUIT STUB-UP THROUGH SLAB, PVC TO RIGID STEEL COUPLING, PVC SCH. 40 CONDUIT, and PVC FEMALE ADAPTER.

A. RIGID STEEL COUPLING FLUSH WITH TOP OF SLAB. PROVIDE FLUSH PLUG ON COUPLING.

B. STUB-UP 6" AT LOCATION SHOWN ON DRAWINGS. CAP WITH THREADED COMBINATION COUPLING (RIGID STEEL TO EMT AND PLUG). SET SCREW CONNECTORS NOT ALLOWED.

C. STUB-UP 6" AT LOCATION SHOWN ON DRAWINGS. BUSH END OF CONDUIT.

Labels in diagram: TOP OF SLAB, PER SIDE FLANS, RIGID STEEL WRAPPED CONDUIT STUB-UP THROUGH SLAB, PVC TO RIGID STEEL COUPLING, R 2" - 6", PVC FEMALE ADAPTER, PVC SCH. 40 CONDUIT, 3'-6" MAXIMUM FOR LONG RADIUS ELBOWS, U.O.N.

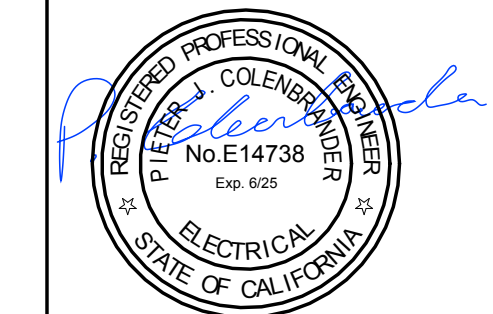
NOTE:
PVC CONDUIT NOT PERMITTED TO STUB-UP ABOVE TOP OF SLAB

NOT FOR CONSTRUCTION

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Project
FIRE ALARM UPGRADE

Sheet Title
DETAILS

Client Project Number:

Scale: AS NOTED

Drawn By: JK

Checked By: PJC

Issue Date: 09/06/2023

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