

GENERAL NOTES	LEGEND	LIST OF APPLICABLE CODES	DRAWING INDEX
1. THE COMPLETE ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, SPECIFICATIONS AND STANDARD, THE LATEST RULES AND REGULATIONS OF THE SAFETY ORDERS ISSUED BY THE DIVISION OF INDUSTRIAL SAFETY, THE NATIONAL BOARD OF FIRE UNDERWRITERS AND ALL APPLICABLE STATE AND LOCAL CODES ISSUED BY AUTHORITIES HAVING JURISDICTION. 2. PRIOR TO SUBMITTING PROPOSAL, BIDDER SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS. VISIT CONSTRUCTION SITE AND ATTEND THE PRE-BID MEETING TO BE FAMILIAR WITH EXISTING CONDITIONS UNDER WHICH HE WILL HAVE TO OPERATE AND WHICH WILL IN ANYWAY AFFECT THE WORK UNDER THIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONNECTION IN BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART. 3. THIS CONTRACTOR SHALL INCLUDE ALL CONTINGENCIES WHICH MAY RAISE AND WHICH MAY BE REQUIRED BY ALTERATION AND DEMOLITION WORK. THIS IS TO INCLUDE ALL REMOVAL, RELOCATION AND REWORKING OF ELECTRICAL OUTLETS, CONDUITS, WIRING AND ITEMS FOR ELECTRICAL EQUIPMENT REQUIRED AND ANY NECESSARY SPLICING OR EXTENSION OF EXISTING CONDUIT AND WIRING SYSTEMS. THE ELECTRICAL CONTRACTOR SHALL VISIT JOB SITE AND DETERMINE EXTENT OF THE WORK. 4. FIELD VERIFY TO CONFIRM ALL FIRE RESISTIVE CEILINGS AND WALLS. PROVIDE FIRE STOP SEALS PER UNIFORM BUILDING CODE FOR CONDUIT PENETRATION THROUGH FIRE RESISTIVE FLOORS, WALLS AND CEILINGS. 5. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITER'S LABORATORIES AND BEAR THEIR LABEL. 6. CONDUIT ROUTING SHOWN IS ESSENTIALLY DIAGRAMMATIC. CONTRACTOR SHALL LAYOUT RUNS TO SUIT FIELD CONDITIONS AND THE COORDINATION REQUIREMENTS OF OTHER TRADES. ALL EXPOSED CONDUIT, BOXES, FITTINGS, SUPPORT, ETC. SHALL BE PAINTED TO MATCH ADJACENT SURFACES. 7. THE CONTRACTOR SHALL CONSULT THE ARCHITECTURAL AND OTHER DRAWINGS RELATED TO THIS PROJECT FOR ADDITIONAL WORK TO BE PROVIDED. 8. THE OWNER RETAINS FIRST SALVAGE RIGHTS TO ALL EXISTING EQUIPMENT REMOVED UNDER THIS CONTRACT. THE ELECTRICAL CONTRACTOR SHALL CONSULT WITH THE OWNER FOR DISPOSITION OF THE EXISTING EQUIPMENT TO BE REMOVED BY HIM. THE CONTRACTOR SHALL INCLUDE IN HIS BID PROPOSAL ALL COSTS RELATED TO THE DISPOSAL OF EXISTING EQUIPMENT REMOVED UNDER THIS CONTRACT. 9. ANY POWER SHUTDOWN SHALL BE COORDINATED WITH SCHOOL DISTRICT CONSTRUCTION COORDINATOR. A SHUTDOWN SCHEDULE SHALL BE PRESENTED TO SCHOOL DISTRICT FOR APPROVAL TWO WEEKS PRIOR TO COMMENCEMENT OF WORK. SHUTDOWN SHALL BE PERFORMED IN OVERTIME HOURS IF SO DIRECTED BY SCHOOL DISTRICT. 10. ALL FEEDER AND BRANCH CIRCUIT CONDUITS SHALL BE INSTALLED CONCEALED IN FINISHED AREA, UNLESS OTHERWISE NOTED. 11. ALL PENETRATIONS THROUGH FIRE RESISTIVE WALLS SHALL BE TOTALLY SEALED TO PREVENT THE SPREAD OF SMOKE, FIRE, TOXIC GASES, AND WATER THROUGH THE PENETRATION BEFORE, DURING AND AFTER A FIRE CONDITION. THE FIRE RATING OF THE SEALED PENETRATION SHALL BE AT LEAST THAT OF THE WALL INTO WHICH IT IS INSTALLED. THE SEAL SHALL PERMIT THE VIBRATION, EXPANSION AND/OR CONTRACTION OF THE CONDUIT PASSING THROUGH THE PENETRATION WITHOUT THE SEAL CRACKING OR CRUMBLING. 12. UNLESS OTHERWISE INDICATED, THE MINIMUM SIZE OF CONDUCTORS SHALL BE 12 AWG THWN STRANDED COPPER ONLY. 13. UNLESS OTHERWISE INDICATED, THE MINIMUM SIZE OF CONDUIT SHALL BE 3/4". 14. GREEN INSULATED GROUND CONDUCTORS SHALL BE INSTALLED IN ALL FEEDER AND BRANCH CIRCUIT WIRING. 15. PROVIDE LABELS ON ALL EQUIPMENT AND DEVICES. LABELS SHALL BE SELF-ADHESIVE PHENOLIC TYPE AND WHITE LETTER ON BLACK BACKGROUND, PROVIDE BRADY OR DYMO TYPE LABELS (CIRCUIT IDENTIFICATION) FOR ALL SWITCHES AND RECEPTACLES. 16. THE CONTRACTOR SHALL PROVIDE TYPEWRITTEN DIRECTORIES FOR ALL ELECTRICAL PANELS INVOLVED IN THIS PROECT. THE PANEL DIRECTORIES SHALL REFLECT THE AS-BUILT CIRCUITS. ONE COPY OF THE SCHEDULE SHALL BE TAPED TO THE INSIDE OF THE PANEL DOOR, AND ONE COPY SHALL BE SUBMITTED TO THE ENGINEER AS AN "AS-BUILT" DRAWING. 17. ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION PER CBC REQUIREMENTS. 18. THE CONTRACTOR SHALL EMPLOY QUALIFIED AND EXPERIENCED WORKMEN FOR THIS WORK. ALL RESTORATION WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND/OR OWNER AND IOR. 19. THE CONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRING PATCHING, PLASTERING PAINTING AND/OR OTHER REPAIRS DUE TO THE INSTALLATION OF ELECTRICAL WORK UNDER THE TERMS OF THIS SPECIFICATION. CLOSE ALL OPENINGS, REPAIR ALL SURFACES, ETC., AS REQUIRED. THIS SHALL INCLUDE ALL WALLS, CEILINGS, ROOFS, PAVEMENT, PLANTERS, ETC. 20. WHERE CONDUIT IS ROUTED ON ROOF STRUCTURES, PROVIDE REDWOOD BLOCKING AND STRAP 8'-0" O.C. MAXIMUM. 21. ALL EXPOSED CONDUIT BELOW 7'-0" SHALL BE RSC OR IMC AND ALL EXPOSED HARDWARE SHALL BE "HOT DIPPED" GALVANIZED. ALL INTERIOR CONDUITS MAY BE EMT, UNLESS OTHERWISE NOTED. 22. THE CONTRACTOR SHALL MAINTAIN AT THE JOB SITE, AN UP TO DATE "AS BUILT" DRAWING SET. THE "AS BUILT" DRAWING SET SHALL REFLECT ALL APPROVED CHANGES TO THE DESIGN DRAWINGS. THE "AS BUILT" DRAWING SET SHALL BE KEPT CLEAN AND IN GOOD CONDITION AND SHALL BE TURNED OVER TO THE OWNER AT THE COMPLETION OF THE PROJECT. THESE DRAWINGS SHALL BE UPDATED DAILY AND BE CHECKED WEEKLY BY IOR. THE PROGRESS PAYMENT IS TIED TO THEIR COMPLETION. 23. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL SCHEDULE AND PERFORM A COMPLETE FUNCTIONAL TEST TO DEMONSTRATE TO THE OWNER THAT THE NEW INSTALLATION IS OPERATING AS INTENDED. ANY DEFECTS OR DEFICIENCIES IN THE MATERIALS OR WORK SHALL CORRECTED IMMEDIATELY BY AND AT THE CONTRACTOR'S EXPENSE.	————— CONDUIT AND CONDUCTORS CONCEALS IN WALL OR CEILING ----- CONDUIT AND WIRES CONCEALED IN FLOOR OR UNDERGROUND ///////// HASH MARK INDICATES (E) ELECTRICAL ITEM TO BE DISCONNECTED AND REMOVED INCLUDING WIRES AND CONDUITS UP TO SOURCE. —————> CONDUIT STUBBED OUT IN ACCESSIBLE LOCATION, CAP AND MARK LOCATION —————○ CONDUIT RISER —————■ ELECTRICAL PANEL BOARD, 120/208V, 3ø, 4W —————■ RECESSED ELECTRICAL PANEL BOARD, 120/208V, 3ø, 4W \$ SINGLE POLE SWITCH AND BOX, 20A/120V, LOWER CASE LETTER INDICATES CIRCUIT OR LAMPS CONTROLLED BY SWITCH, +48" □ PULLBOX, SIZE AS SHOWN ON THE DRAWING ————— LED LIGHT FIXTURE ⦿ (E) INCANDESCENT LIGHT ⊙ JUNCTION BOX OR PULL BOX, SIZE PER CODE. ⦶ DUPLEX RECEPTACLE NEMA 5-20R, 20 AMP, 120V, +18" A.F.F U.O.N. ⦶ SINGLE RECEPTACLE, FLUSH MOUNTED TYPE, NEMA 5-20R, 250V, 1ø ————— LED LIGHT FIXTURE \$T HORSEPOWER RATED SWITCH, SQUARE "D", CLASS 2510 ⦶ FIRE ALARM HORN/STROBE ⦶ FIRE ALARM STROBE ⦶ FIRE ALARM PULL STATION ⬢ A LIGHTING FIXTURE TYPE "A". SEE LIGHTING FIXTURE SCHEDULE ① KEY NOTE REFERENCE, SEE NOTE 1 THIS PROJECT INCLUDES THE MODERNIZATION OF AN EXISTING SYSTEM. WORK INCLUDES, BUT IS NOT LIMITED TO: REPLACEMENT OF THE ELEVATOR CONTROLLER, MACHINE, DOOR OPERATORS, FIXTURES, WIRING, AND ASSOCIATED COMPONENTS. UPGRADES TO THE ELEVATOR CAB INTERIOR. ASSOCIATED ELEVATOR SYSTEM WORK NECESSARY TO DELIVER A COMPLETE AND OPERATIONAL SYSTEM. ALL WORK SHALL COMPLY WITH THE CALIFORNIA BUILDING CODE (CBC), CALIFORNIA ELECTRICAL CODE (CEC), ADA, AND APPLICABLE STATE ELEVATOR REGULATIONS. NO ARCHITECTURAL, MECHANICAL, OR PLUMBING WORK IS INCLUDED IN THIS SCOPE. FIRE SUPPRESSION (C-16) WORK, IF REQUIRED, WILL BE SUBMITTED SEPARATELY AS A DEFERRED SUBMITTAL.	1. LIST OF APPLICABLE CODES – CALIFORNIA CODE OF REGULATIONS 2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R. 2022 CALIFORNIA BUILDING CODE (CBC) PART 2, VOL 1-2, TITLE 24 C.C.R. 2022 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24 C.C.R. 2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R 2022 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24 C.C.R. 2022 CALIFORNIA ENERGY CODE (CENC) PART 6, TITLE 24 C.C.R. 2022 CALIFORNIA FIRE CODE (CFC) PART 9, TITLE 24 C.C.R. 2022 CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24 C.C.R. 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. C.C.R. TITLE 19 – REGULATIONS OF THE STATE FIRE MARSHAL 2. PARTIAL LIST OF APPLICABLE STANDARDS-AS AMENDED BY CA NFPA 13-2022: AUTOMATIC SPRINKLER SYSTEMS – CA AMENDED NFPA 14-2019: STANDPIPE AND HOSE SYSTEMS – CA AMENDED NFPA 24-2019: PRIVATE FIRE SERVICE MAINS – CA AMENDED NFPA 72-2019: NATIONAL FIRE ALARM CODE – CA AMENDED	E-1 GENERAL NOTES, LEGEND, ABBREVIATIONS AND DRAWING INDEX E-2 ELECTRICAL SITE PLAN E-3 ELECTRICAL PLAN – BUILDING #1 (SOUTH) – 1ST FLOOR E-4 ELECTRICAL PLAN – BUILDING #3 (NORTH) – 1ST FLOOR E-5 SINGLE LINE DIAGRAM – BUILDING #1 (SOUTH) – 1ST FLOOR E-6 SINGLE LINE DIAGRAM – BUILDING #3 (NORTH) – 1ST FLOOR E-7 LIGHTING FIXTURE SCHEDULE AND DETAILS E-8 RISER DIAGRAM AND CABLE SCHEDULE
MEP COMPONENT ANCHORAGE NOTES			
MEP COMPONENT ANCHORAGE NOTE ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30. 1. ALL PERMANENT EQUIPMENT AND COMPONENTS. 2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE. 3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 LBS 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 MANNER APPROVED BY DSA. THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTION MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS. A. COMPONENTS 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. B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTION SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL. THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OR 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. MEP DISTRIBUTION SYSTEM BRACING NOTE FOR PIPING, DUCTWORK, AND ELECTRICAL CONDUIT PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7 AND 13.6.8, AND 2022 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 MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13. MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E): MP ☐ MD ☐ PP ☐ E ☒ OPTION 1: PROJECT-SPECIFIC DESIGN. MP ☐ MD ☐ PP ☐ E ☐ OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL. MP ☐ MD ☐ PP ☐ E ☐ OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL.			
SCOPE OF WORK			
THIS PROJECT INCLUDES THE MODERNIZATION OF AN EXISTING SYSTEM. WORK INCLUDES, BUT IS NOT LIMITED TO: REPLACEMENT OF THE ELEVATOR CONTROLLER, MACHINE, DOOR OPERATORS, FIXTURES, WIRING, AND ASSOCIATED COMPONENTS. UPGRADES TO THE ELEVATOR CAB INTERIOR. ASSOCIATED ELEVATOR SYSTEM WORK NECESSARY TO DELIVER A COMPLETE AND OPERATIONAL SYSTEM. ALL WORK SHALL COMPLY WITH THE CALIFORNIA BUILDING CODE (CBC), CALIFORNIA ELECTRICAL CODE (CEC), ADA, AND APPLICABLE STATE ELEVATOR REGULATIONS. NO ARCHITECTURAL, MECHANICAL, OR PLUMBING WORK IS INCLUDED IN THIS SCOPE. FIRE SUPPRESSION (C-16) WORK, IF REQUIRED, WILL BE SUBMITTED SEPARATELY AS A DEFERRED SUBMITTAL.			
ABBREVIATIONS			
A AMP AMPERE AFF ABOVE FINISHED FLOOR BRKR BREAKER C CONDUIT, CLOCK CBC CALIFORNIA BUILDING CODE CCTV CLOSED CIRCUIT TELEVISION CEC CALIFORNIA ELECTRIC CODE CKT CIRCUIT CO CONDUIT ONLY WITH PULL ROPE CSTC CLOCK/SPEAKER/TELEPHONE CABINET (E) EXISTING ECB ENCLOSED CIRCUIT BREAKER F/O FIBER OPTIC FU FUSE G GROUND, GUARD GFI GROUND FAULT CURRENT INTERRUPTER MAX MAXIMUM MIN MINIMUM MPOE MAIN POINT OF ENTRY MSTC MAIN SIGNAL TELEPHONE CABINET MTB MAIN TELEPHONE BOARD NEC NATIONAL ELECTRICAL CODE NL NIGHT LIGHT NTS NOT TO SCALE	O.C. ON CENTER PH, ø PHASE PANEL (R) RELOCATED RECEPTACLE SAD SEE ARCHITECTURAL DRAWINGS SBC SOUTHERN BELL COMMUNICATIONS TRANSF. TRANSFORMER TB TELEPHONE BOARD TC TERMINAL CAN TYP TYPICAL UON UNLESS OTHERWISE NOTED V VOLT VIF VERIFY IN FIELD W WATT WG WIRE GUARD WP WEATHERPROOF XFMR TRANSFORMER		

PC #25-137621

BE #26-109214

Reviewed for Code Compliance

City of San Jose, Building Division

☐ Building

☒ Electrical

☐ Plumbing

☐ Mechanical

Daniel Larios (408) 535-7863

No. 25-137621 Date:12/11/2025

CONSULTANT LOGO

PROFESSIONAL ENGINEER

DAVID W. CLOW

No. 12883

Exp. 12/31/26

ELECT.

STATE OF CALIFORNIA

AEC

Alliance Engineering Consultants, Inc.

4701 Patrick Henry Drive, Bldg. 10
Santa Clara, CA 95054

phone (408) 970-9888
fax (408) 970-9316
www.aec-engineers.com

PROJECT NO. 324-25-01

Key Plan

Project Title

B03_25_26

RIDDER PARK ELEVATOR

MODERNIZATION

1290 RIDDER PARK DR., SAN JOSE CA 95131

SANTA CLARA COUNTY OFFICE

OF EDUCATION

No.	Description	Date
	CITY SUBMITTAL	10/17/25
	CITY SUBMITTAL #1	11/10/25

Drawing Title

GENERAL NOTES,

LEGENDS,

ABBREVIATIONS AND

DRAWING INDEX

Consultant Seal

Date

10/17/25

Project Number

-

Drawing No.

E-1

Plot Date

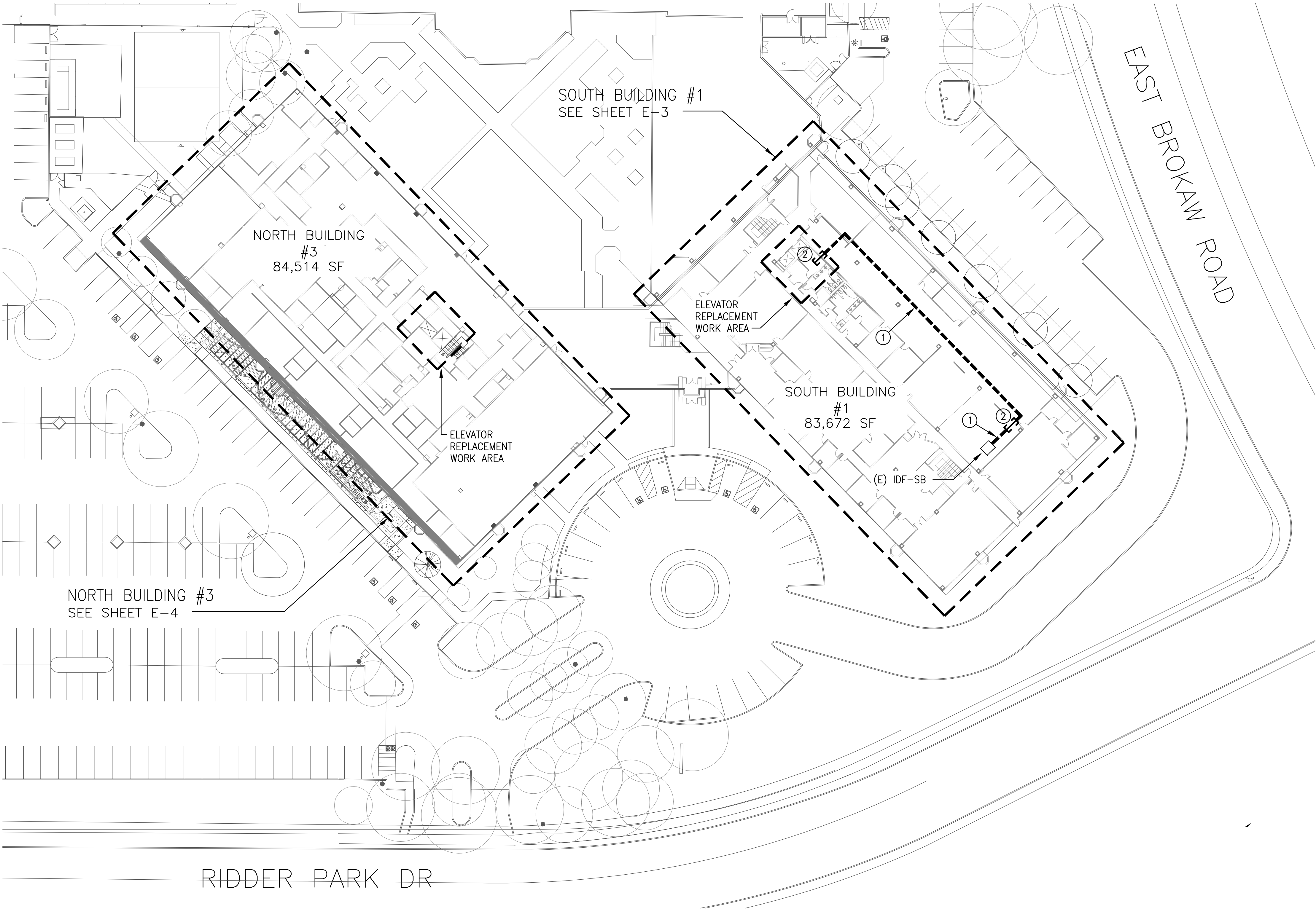
10/17/2025

GENERAL NOTE:

1. ALL ELECTRICAL EQUIPMENT IS (E) TO REMAIN, UON.

SHEET NOTES:

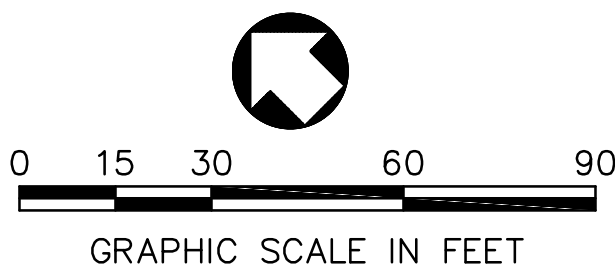
- ① PROVIDE 3" J-HOOKS FOR DATA CABLE SUPPORTS ALONG DOUBLE BROKEN LINES. PROVIDE HOOK AND LOOP CABLE TIES AT EVERY 4 FT.
- ② 1 1/2" CONDUIT SLEEVE



1

ELECTRICAL SITE PLAN

SCALE: 1" = 30'-0"



Reviewed for Code Compliance

City of San Jose, Building Division

☐ Building ☒ Electrical

☐ Plumbing ☐ Mechanical

Daniel Larios (408) 535-7863

No. 25-137621 Date: 12/11/2025

CONSULTANT LOGO

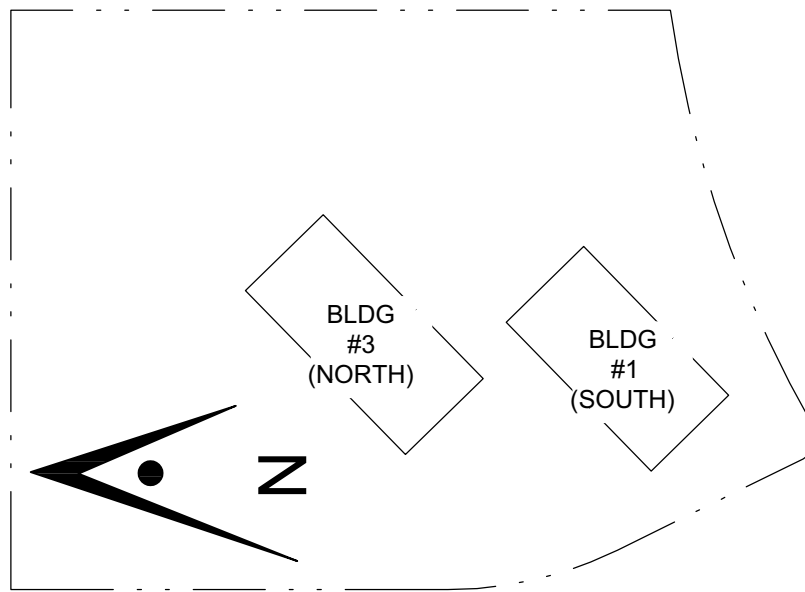
DAVID W. CLOW
No. 12883
Exp. 12/31/26
ELECT.
STATE OF CALIFORNIA

AE Alliance
Engineering
Consultants, Inc.

4701 Patrick Henry Drive, Bldg. 10
Santa Clara, CA 95054
PROJECT NO. 324-25-01

phone (408) 970-9888
fax (408) 970-9316
www.aec-engineers.com

Key Plan



Project Title

B03_25_26
RIDDER PARK ELEVATOR
MODERNIZATION
1290 RIDDER PARK DR., SAN JOSE CA 95131
SANTA CLARA COUNTY OFFICE
OF EDUCATION

No.	Description	Date
	CITY SUBMITTAL	10/17/25
	CITY SUBMITTAL #1	11/10/25

Drawing Title

ELECTRICAL
SITE PLAN

Consultant Seal

Date
10/17/25

Project Number

Drawing No.

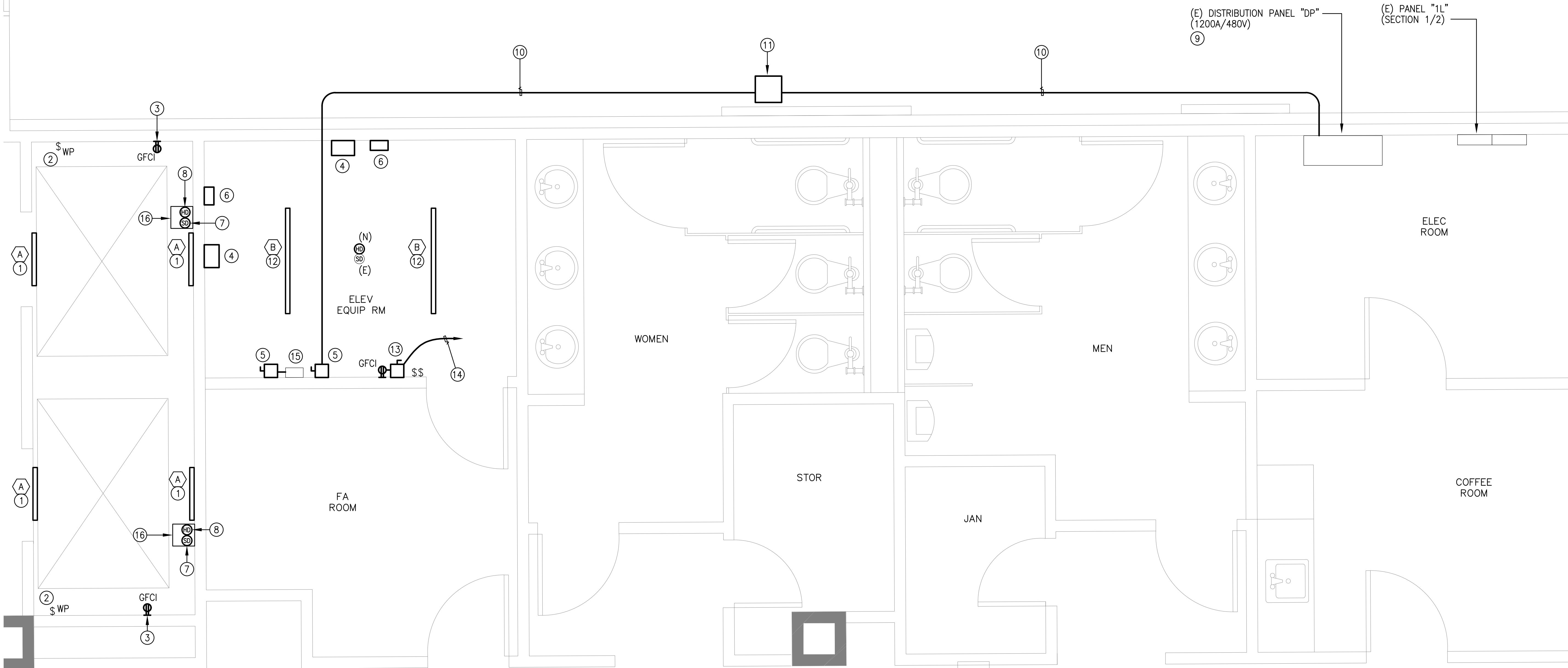
E-2

GENERAL NOTES:

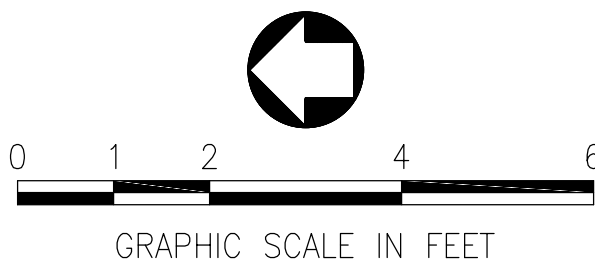
- ALL ELECTRICAL EQUIPMENT IS (E) TO REMAIN, UON.
- RE-PROGRAM EXISTING FIRE ALARM SYSTEM AFTER INSTALLATION OF DEVICES. VIF AND PROVIDE ANY ADDITIONAL NECESSARY COMPONENTS IN THE FIRE ALARM PANEL TO ENSURE SUPPORTING THE NEW ADDED DEVICES. PERFORM RE-ACCEPTANCE TESTING AND COMMISSIONING AS REQUIRED PER CODE. PROVIDE COMPLETE DOCUMENTATION INCLUDING OPERATION AND MAINTENANCE, MANUALS AND AS-BUILT DRAWINGS.

SHEET NOTES:

- REPLACE (E) ELEVATOR PIT LIGHT IN PIT AT THE SAME ELEVATION AS (E) PIT LIGHT.
- (E) SWITCH FOR ELEVATOR PIT LIGHT FIXTURE TO REMAIN.
- RECEPTACLE LOCATED IN ELEVATOR PIT.
- DISCONNECT ELEVATOR MOTOR WITH CONTROLLER AND INSTALL (N) ELEVATOR MOTOR AND CONTROLLER PROVIDED BY THE ELEVATOR CONTRACTOR. REPLACE (E) CABLES.
- REPLACE (E) FUSIBLE DISCONNECT SWITCH WITH (N) LOCKABLE FUSIBLE DISCONNECT SWITCH.
- DISCONNECT BATTERY LOWERING DEVICE AND REMOVE (E) CABLES.
- (N) SMOKE DETECTOR IN ELEVATOR SHAFT CEILING.
- (N) HEAT DETECTOR IN ELEVATOR SHAFT CEILING, WITHIN 2' OF SPRINKLER HEAD.
- SEE SINGLE LINE DIAGRAM ON SHEET E-5 FOR WORK REQUIRED.
- ROUTE CONDUIT ABOVE CEILING AND PROVIDE CONDUIT SUPPORT AT 8 FT INTERVAL MAXIMUM.
- PROVIDE 12"x12"x6" NEMA 1 PULL BOX AND SECURE ABOVE CEILING.
- REPLACE (E) SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE WITH LED LIGHT FIXTURE.
- PROVIDE 20A/1P, 120V ENCLOSED CIRCUIT BREAKER IN NEMA 1.
- HOMERUN 3/4"C, 3 #12 INTO (E) SPACE OF (E) PNL "1L". (N) CIRCUIT BREAKER INTERRUPTING CURRENT RATING SHALL MATCH (E). RUN CONDUIT PARALLEL TO CONDUIT PER NOTE (10).
- (E) NEMA 1 TO REMAIN. THE (E) CONDUIT CAN REMAIN TO FEED ONE (N) ELEVATOR FUSIBLE DISCONNECT SWITCH. THE (N) OTHER ELEVATOR DISCONNECT SWITCH WILL BE FED FROM THE (N) CONDUIT AS SHOWN.
- PROVIDE 10"x10"x11" FIRE RATED ACCESS ENCLOSURE (JUM ENCLASURE OR APPROVED EQUAL). VIF AND COORDINATE WITH THE OWNER FOR EXACT LOCATION PRIOR TO ROUGH-IN.



1 ELECTRICAL PLAN – BUILDING #1 (SOUTH) – 1ST FLOOR
SCALE: 1/2" = 1'-0"



Reviewed for Code Compliance

City of San Jose, Building Division

☐ Building ☒ Electrical

☐ Plumbing ☐ Mechanical

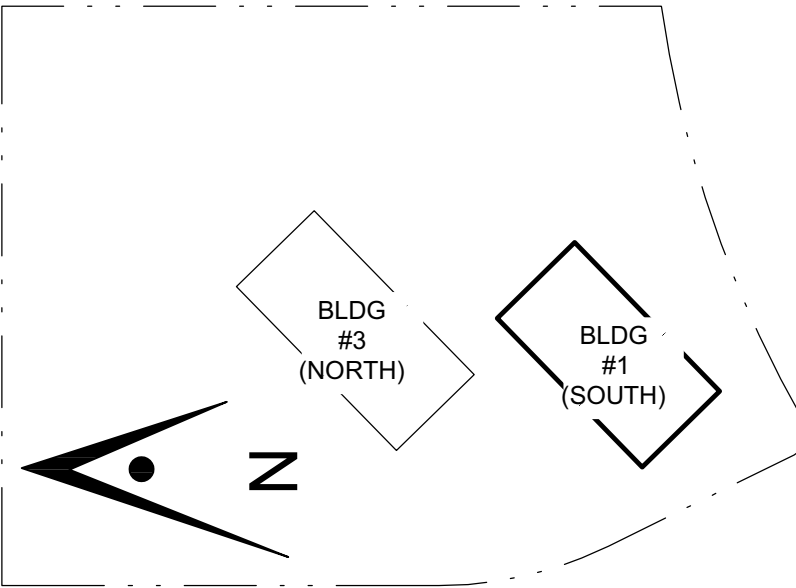
Daniel Larios (408) 535-7863

No. 25-137621 Date: 12/11/2025

CONSULTANT LOGO



Key Plan



Project Title

B03_25_26
RIDDER PARK ELEVATOR
MODERNIZATION
1290 RIDDER PARK DR., SAN JOSE CA 95131
SANTA CLARA COUNTY OFFICE
OF EDUCATION

No.	Description	Date
	CITY SUBMITTAL	10/17/25
	CITY SUBMITTAL #1	11/10/25

Drawing Title

ELECTRICAL PLAN
BUILDING #1 (SOUTH)
1ST FLOOR

Consultant Seal

Date
10/17/25

Project Number
-

Drawing No.

E-3

Plot Date 10/17/2025

GENERAL NOTES:

1. ALL ELECTRICAL EQUIPMENT IS (E) TO REMAIN, UON.
2. RE-PROGRAM EXISTING FIRE ALARM SYSTEM AFTER INSTALLATION OF DEVICES. VIF AND PROVIDE ANY ADDITIONAL NECESSARY COMPONENTS IN THE FIRE ALARM PANEL TO ENSURE SUPPORTING THE NEW ADDED DEVICES. PERFORM RE-ACCEPTANCE TESTING AND COMMISSIONING AS REQUIRED PER CODE. PROVIDE COMPLETE DOCUMENTATION INCLUDING OPERATION AND MAINTENANCE, MANUALS AND AS-BUILT DRAWINGS.

SHEET NOTES:

- 1

REPLACE (E) ELEVATOR PIT LIGHT IN PIT AT THE SAME ELEVATION AS (E) PIT LIGHT.
- 2

SWITCH FOR ELEVATOR PIT LIGHT FIXTURE TO REMAIN. REMOVE (E) INCANDESCENT LIGHT FIXTURE INCLUDING CONDUIT AND WIRE TO (E) FIXTURE TO (E) SWITCH. INSTALL (N) CONDUIT AND WIRES FROM THE (E) SWITCH TO (N) LIGHT FIXTURES.
- 3

REPLACE (E) RECEPTACLE WITH (N) GFCI RECEPTACLE.
- 4

DISCONNECT ELEVATOR MOTOR WITH CONTROLLER AND INSTALL (N) ELEVATOR MOTOR AND CONTROLLER PROVIDED BY THE ELEVATOR CONTRACTOR. REPLACE (E) CABLES.
- 5

REPLACE (E) FUSIBLE DISCONNECT SWITCH WITH (N) LOCKABLE FUSIBLE DISCONNECT SWITCH. SEE SHEET E-6 FOR MORE INFORMATION.
- 6

DISCONNECT BATTERY LOWERING DEVICE. REMOVE (E) CABLES.
- 7

(N) SMOKE DETECTOR IN ELEVATOR SHAFT CEILING.
- 8

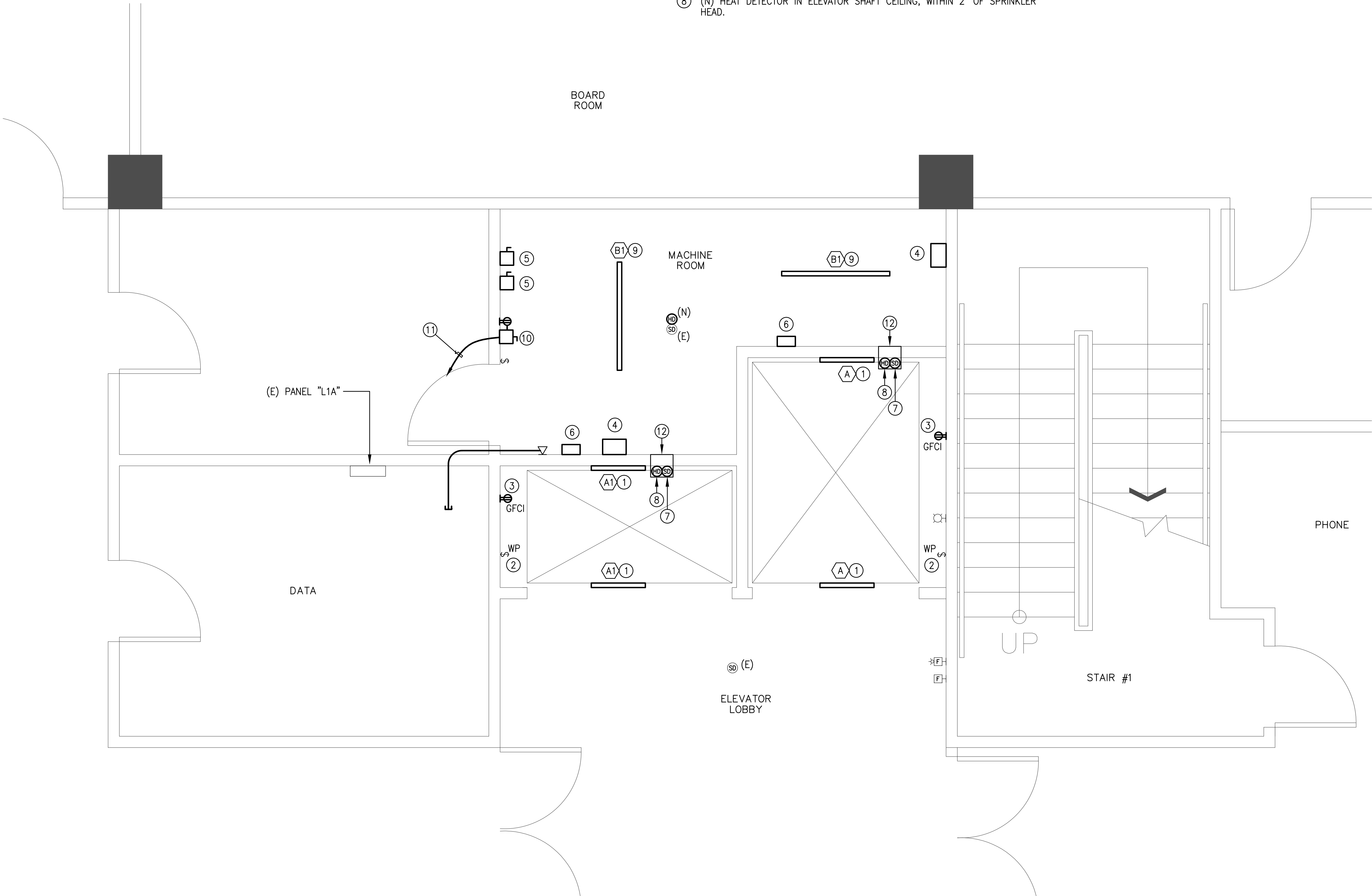
(N) HEAT DETECTOR IN ELEVATOR SHAFT CEILING, WITHIN 2' OF SPRINKLER HEAD.
- 9

REPLACE (E) PENDANT MOUNTED FLUORESCENT LIGHT FIXTURE WITH LED LIGHT FIXTURE.
- 10

PROVIDE 20A/1P, 120V ENCLOSED CIRCUIT BREAKER IN NEMA 1.
- 11

HOMERUN 3/4"C, 3 #12 INTO (E) SPACE OF (E) PNL "L1A". (N) CIRCUIT BREAKER INTERRUPTING CURRENT RATING SHALL MATCH (E). RUN CONDUIT ON THE CEILING/WALL AND PROVIDE CONDUIT SUPPORT AT 8 FT INTERVAL MAXIMUM, VIF.
- 12

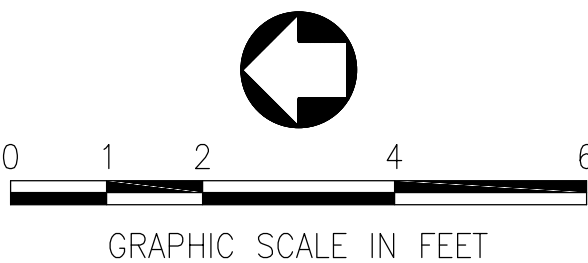
PROVIDE 10"X10"X11" FIRE RATED ACCESS ENCLOSURE (JJM ENCLOSURE OR APPROVED EQUAL). VIF AND COORDINATE WITH THE OWNER FOR EXACT LOCATION PRIOR TO ROUGH-IN.



1
-

ELECTRICAL PLAN – BUILDING #3 (NORTH) – 1ST FLOOR

SCALE: 1/2" = 1'-0"



Reviewed for Code Compliance

City of San Jose, Building Division

☐ Building ☒ Electrical

☐ Plumbing ☐ Mechanical

Daniel Larios (408) 535-7863

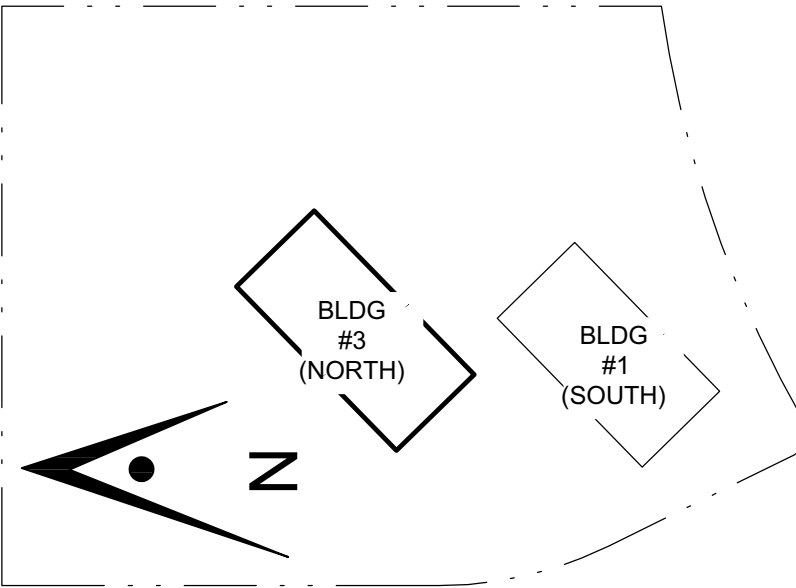
No. 25-137621 Date:12/11/2025

CONSULTANT LOGO

Alliance Engineering Consultants, Inc.
4701 Patrick Henry Drive, Bldg. 10
Santa Clara, CA 95054
phone (408) 970-9888
fax (408) 970-9316
www.aec-engineers.com

PROJECT NO. 324-25-01

Key Plan



Project Title

B03_25_26
RIDDER PARK ELEVATOR
MODERNIZATION
1290 RIDDER PARK DR., SAN JOSE CA 95131
SANTA CLARA COUNTY OFFICE
OF EDUCATION

No.	Description	Date
	CITY SUBMITTAL	10/17/25
	CITY SUBMITTAL #1	11/10/25

Drawing Title

ELECTRICAL PLAN
BUILDING #3 (NORTH)
1ST FLOOR

Consultant Seal

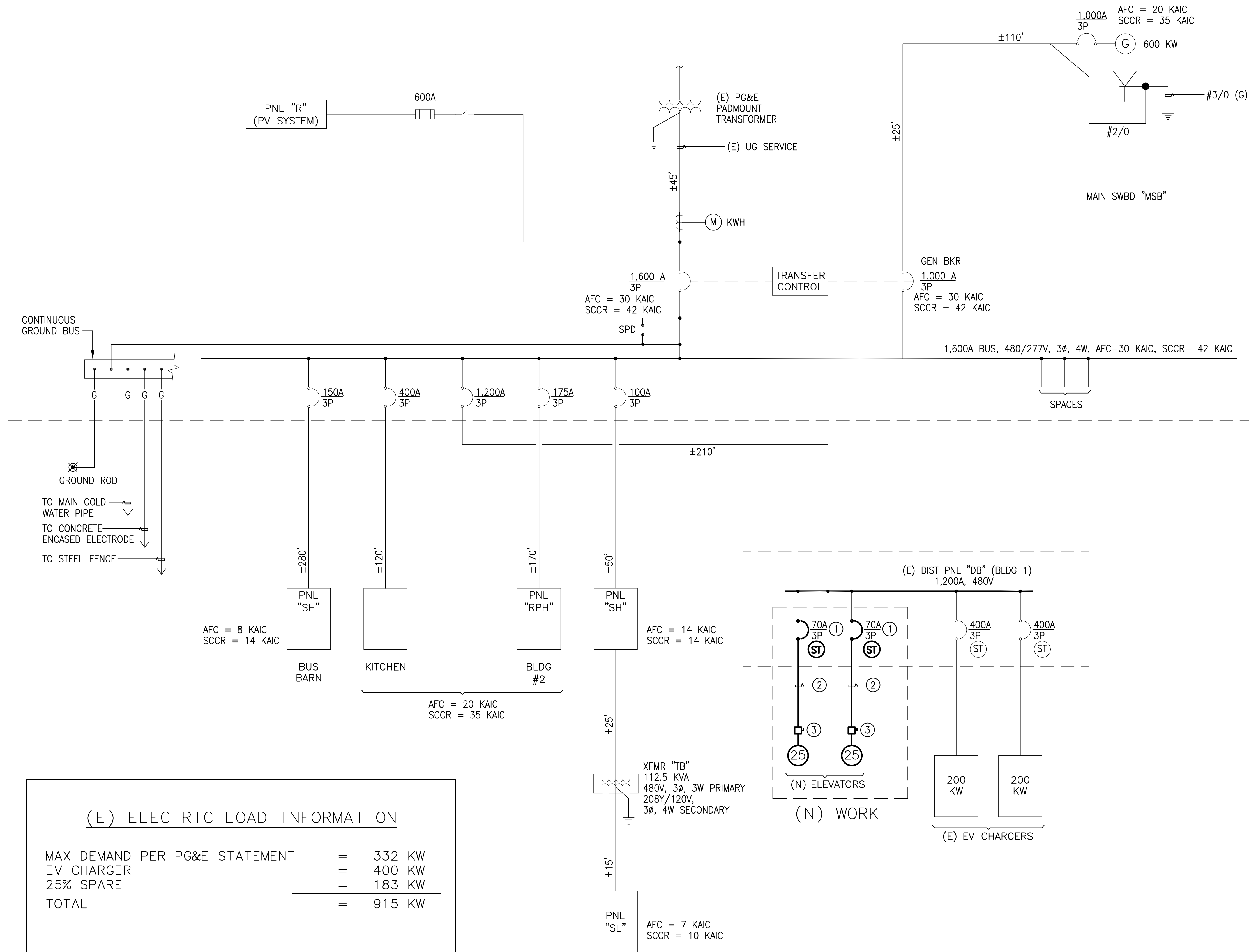
Date
10/17/25

Project Number
-

Drawing No.

E-4

Plot Date 10/17/2025



(E) ELECTRIC LOAD INFORMATION

MAX DEMAND PER PG&E STATEMENT	=	332 KW
EV CHARGER	=	400 KW
25% SPARE	=	183 KW
TOTAL	=	915 KW

$$\text{MIN 480 V SERVICE} = \frac{915}{0.831 \times 0.8} = 1,376 \text{ A}$$

GENERAL NOTE:

1. ALL ELECTRICAL EQUIPMENT IS (E) TO REMAIN, UON.

SHEET NOTES:

- ① REMOVE (E) 70A/3P CIRCUIT BREAKER AND INSTALL A (N) 70A/3P CIRCUIT BREAKER WITH SHUNT TRIP.
- ② REPLACE (E) WIRES WITH 3#4 & 1#8 (G)
- ③ PROVIDE 100A/3P, 600A MAXIMUM DISCONNECT SWITCH IN NEMA 1 ENCLOSURE WITH 3-70A DUAL ELEMENT DELAY FUSES.

Reviewed for Code Compliance

City of San Jose, Building Division

☐ Building ☒ Electrical

☐ Plumbing ☐ Mechanical

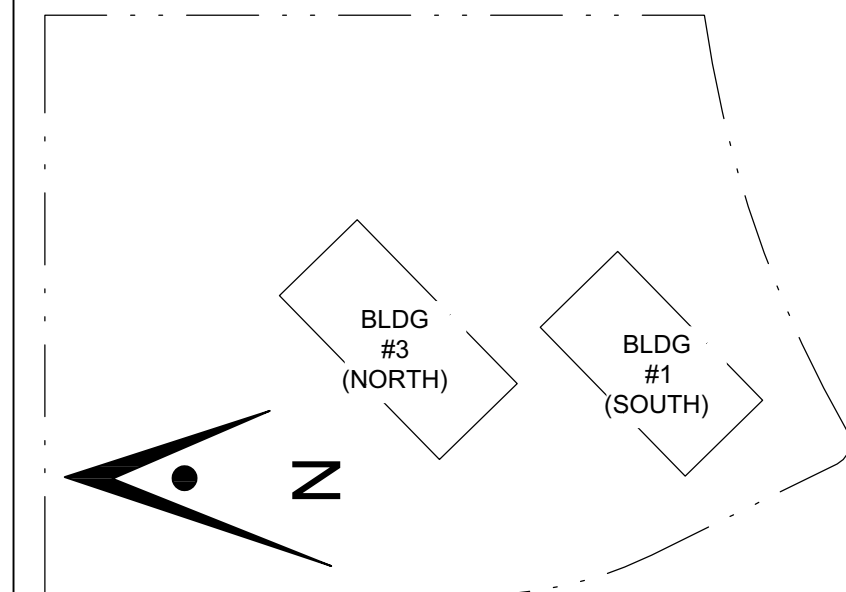
Daniel Larios (408) 535-7863

No. 25-137621 Date: 12/11/2025

CONSULTANT LOGO



Key Plan



Project Title

B03_25_26
RIDDER PARK ELEVATOR
MODERNIZATION
1290 RIDDER PARK DR., SAN JOSE CA 95131
SANTA CLARA COUNTY OFFICE
OF EDUCATION

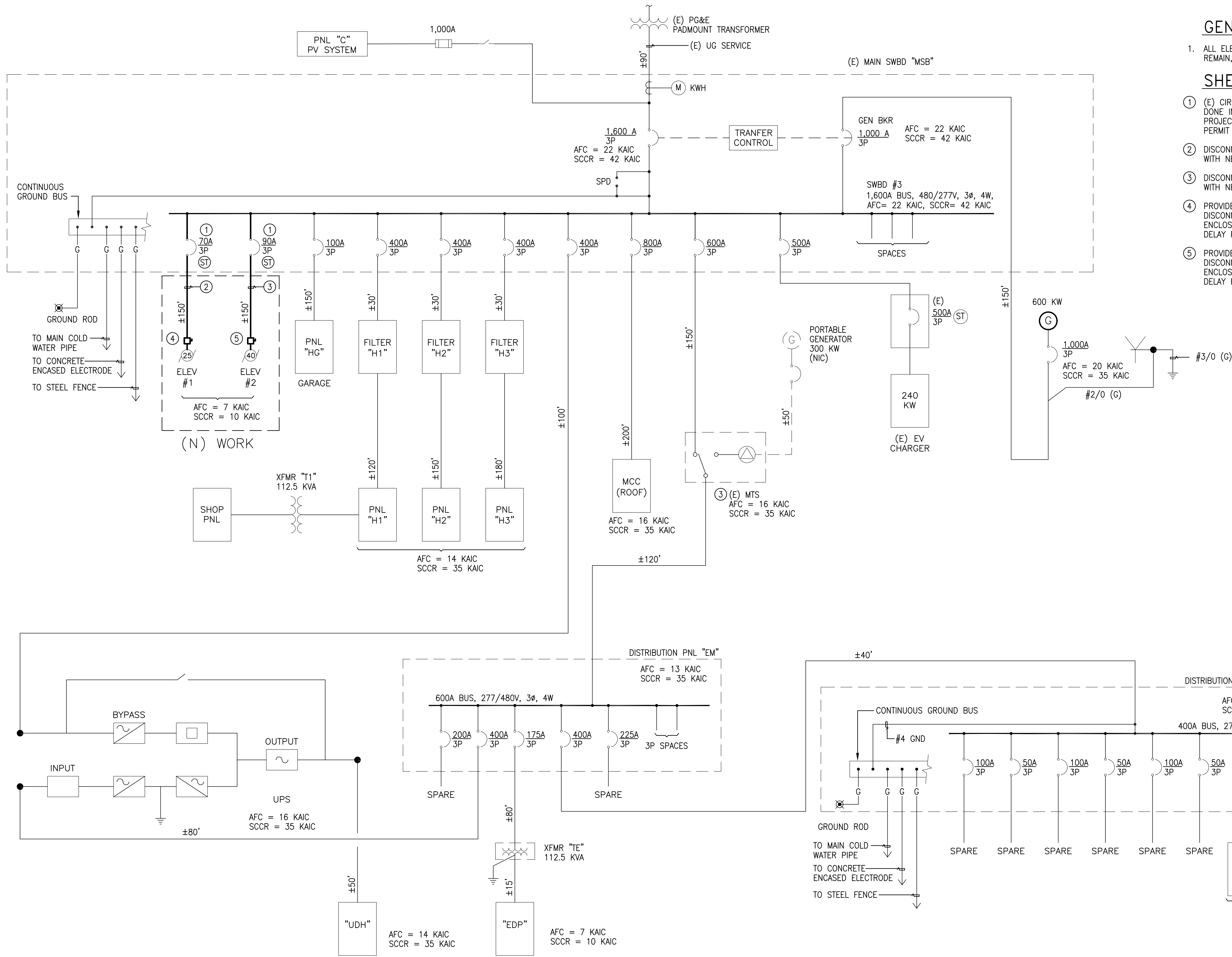
No.	Description	Date
	CITY SUBMITTAL	10/17/25
	CITY SUBMITTAL #1	11/10/25

Drawing Title

SINGLE LINE DIAGRAM
BUILDING #1 (SOUTH)
1ST FLOOR

Consultant Seal

Date	10/17/25	Drawing No.	E-5
Project Number	-		



1 SINGLE LINE DIAGRAM – BUILDING #3 (NORTH)
– NOT TO SCALE

Reviewed for Code Compliance

City of San Jose, Building Division

Building Electrical

Plumbing Mechanical

Daniel Larios (408) 535-7863

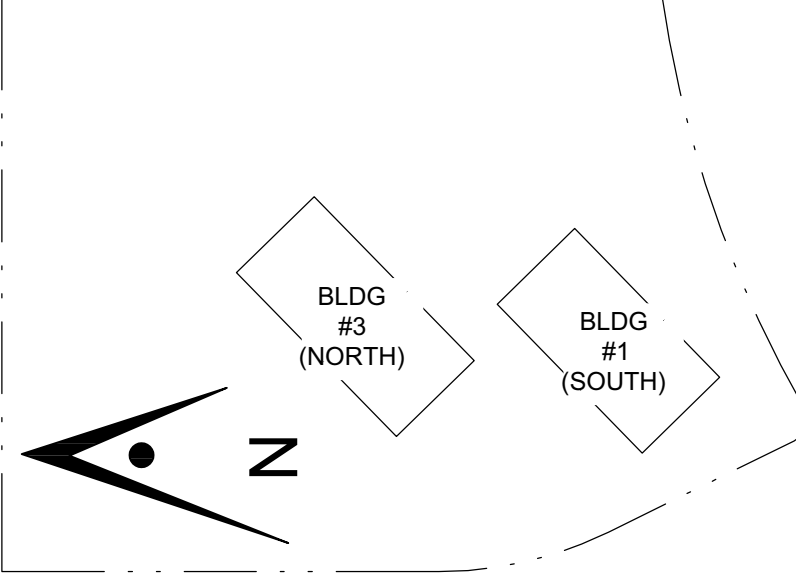
No. 25-137621 Date: 12/11/2025

CONSULTANT LOGO

Professional Engineer Seal for David W. CLOW, No. 12883, Exp. 12/31/26, State of California.

Alliance Engineering Consultants, Inc.
4701 Patrick Henry Drive, Bldg. 10
Santa Clara, CA 95054
phone (408) 970-9888
fax (408) 970-9316
PROJECT NO. 324-25-01
www.aec-engineers.com

Key Plan



Project Title

B03_25_26
RIDDER PARK ELEVATOR
MODERNIZATION
1290 RIDDER PARK DR., SAN JOSE CA 95131
SANTA CLARA COUNTY OFFICE
OF EDUCATION

No.	Description	Date
	CITY SUBMITTAL	10/17/25
	CITY SUBMITTAL #1	11/10/25

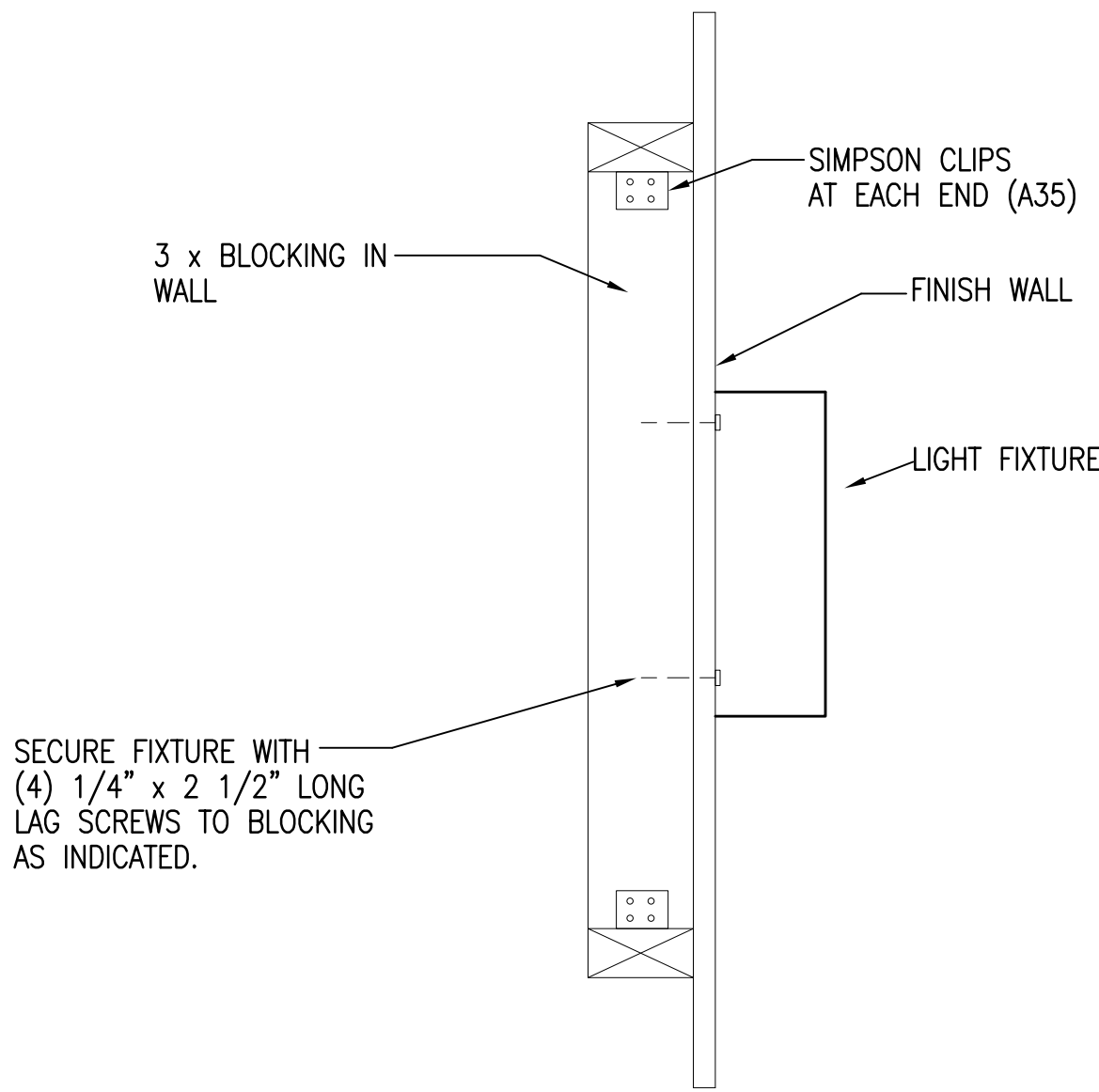
Drawing Title

SINGLE LINE DIAGRAM
BUILDING #3 (NORTH)
1ST FLOOR

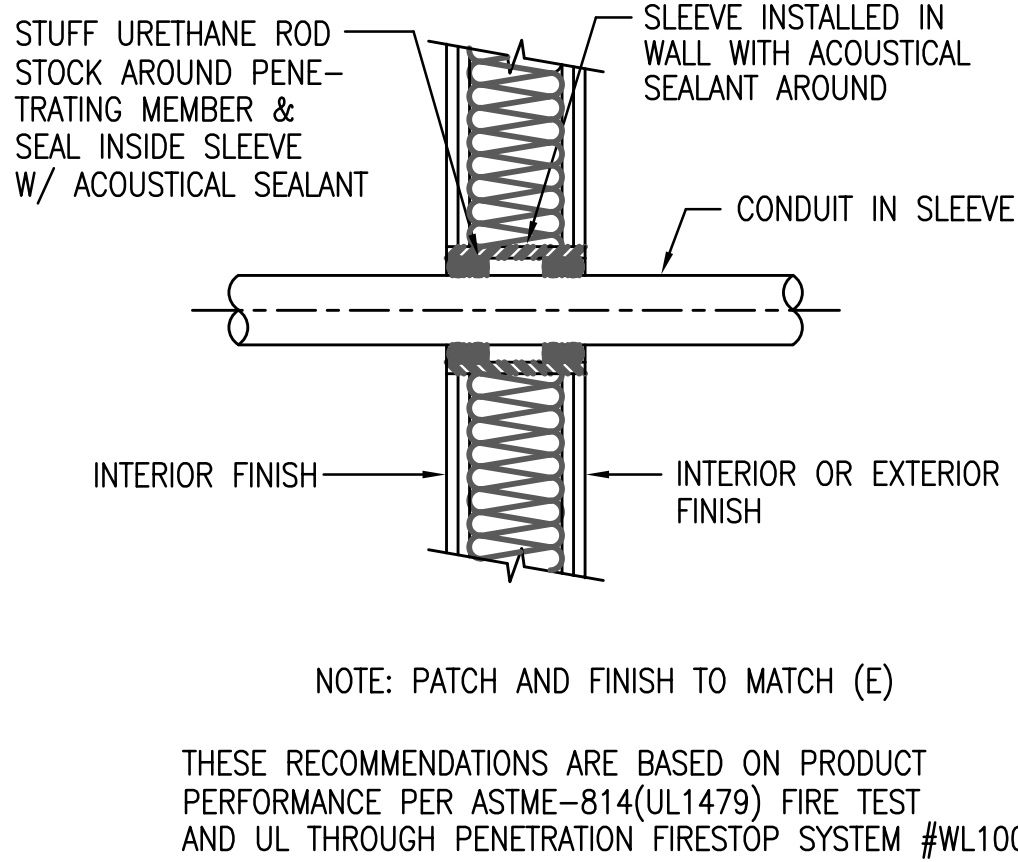
Consultant Seal

Date	10/17/25	Drawing No.	E-6
Project Number			

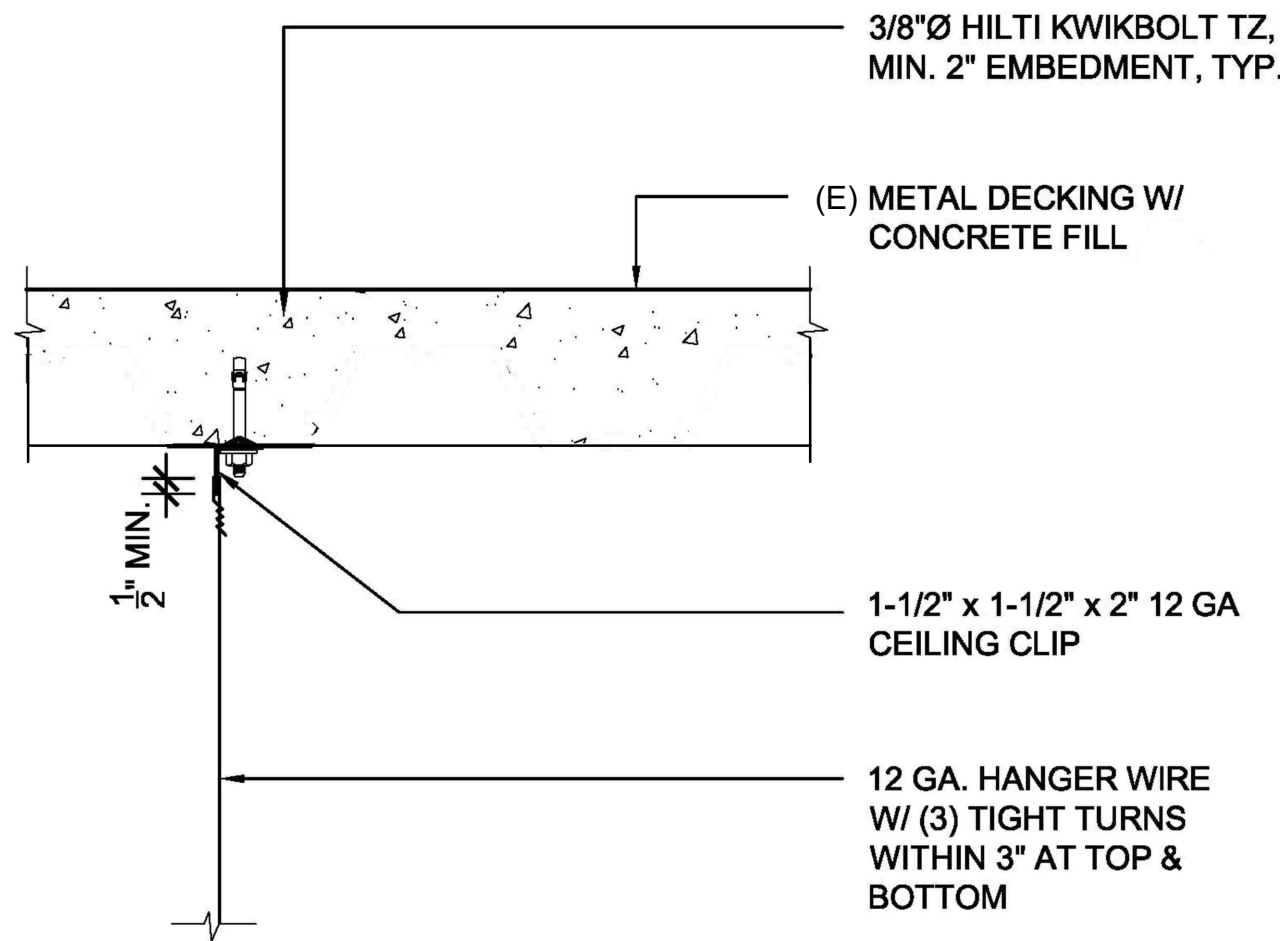
LIGHT FIXTURE SCHEDULE								
FIXTURE TYPE	MANUFACTURER	MODEL NUMBER	DESCRIPTION	WATTS	VOLTS	LAMP	MOUNTING	REFERENCE
A	LITHONIA	CAT NO.: DMW2-L24-4000LM-ACL-WD-MVOLT-40K-80CRI-QMB	SURFACE MOUNT, WET LOCATION	40	277	LED	SURFACE	DETAIL 1/E-7
A1	LITHONIA	CAT NO.: DMW2-L24-3000LM-ACL-WD-MVOLT-40K-80CRI-QMB	SAME AS TYPE A EXCEPT 3,000 LUMENS	27				DETAIL 1/E-7
B	LITHONIA	CAT NO.: CLX-L48-5000LM-HEF-FDL-MVOLT-40K-80CRI-N100-WH		32			SURFACE	DETAIL 2/E-7
B1	LITHONIA	CAT NO.: CLX-L48-5000LM-HEF-FDL-MVOLT-40K-80CRI-N100-WH-HC36	SAME AS TYPE B EXCEPT PENDANT MOUNTING				PENDANT	DETAIL 4/E-7



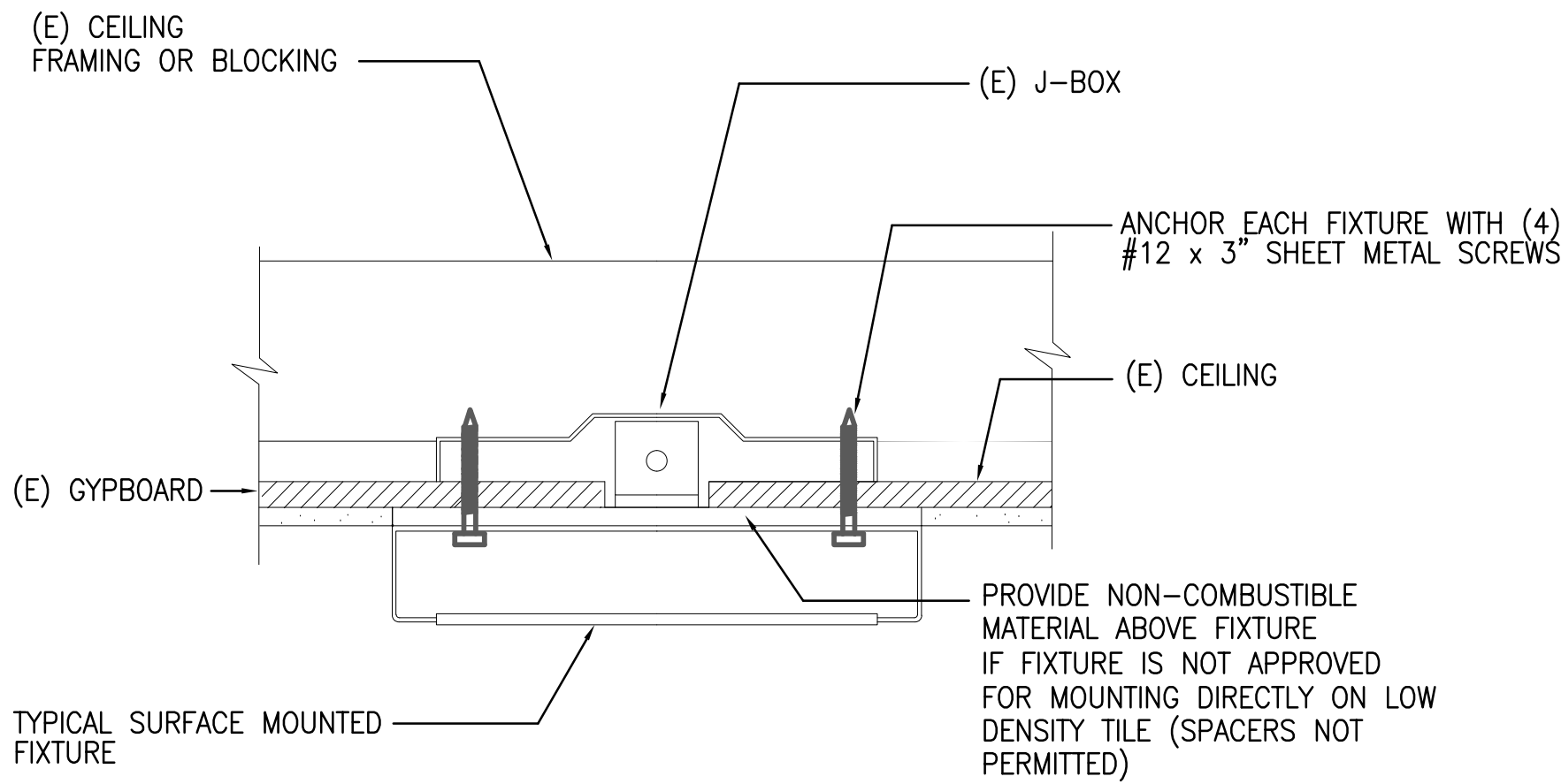
2 WALL MOUNTED LIGHT FIXTURE MOUNTING DETAIL
NOT TO SCALE



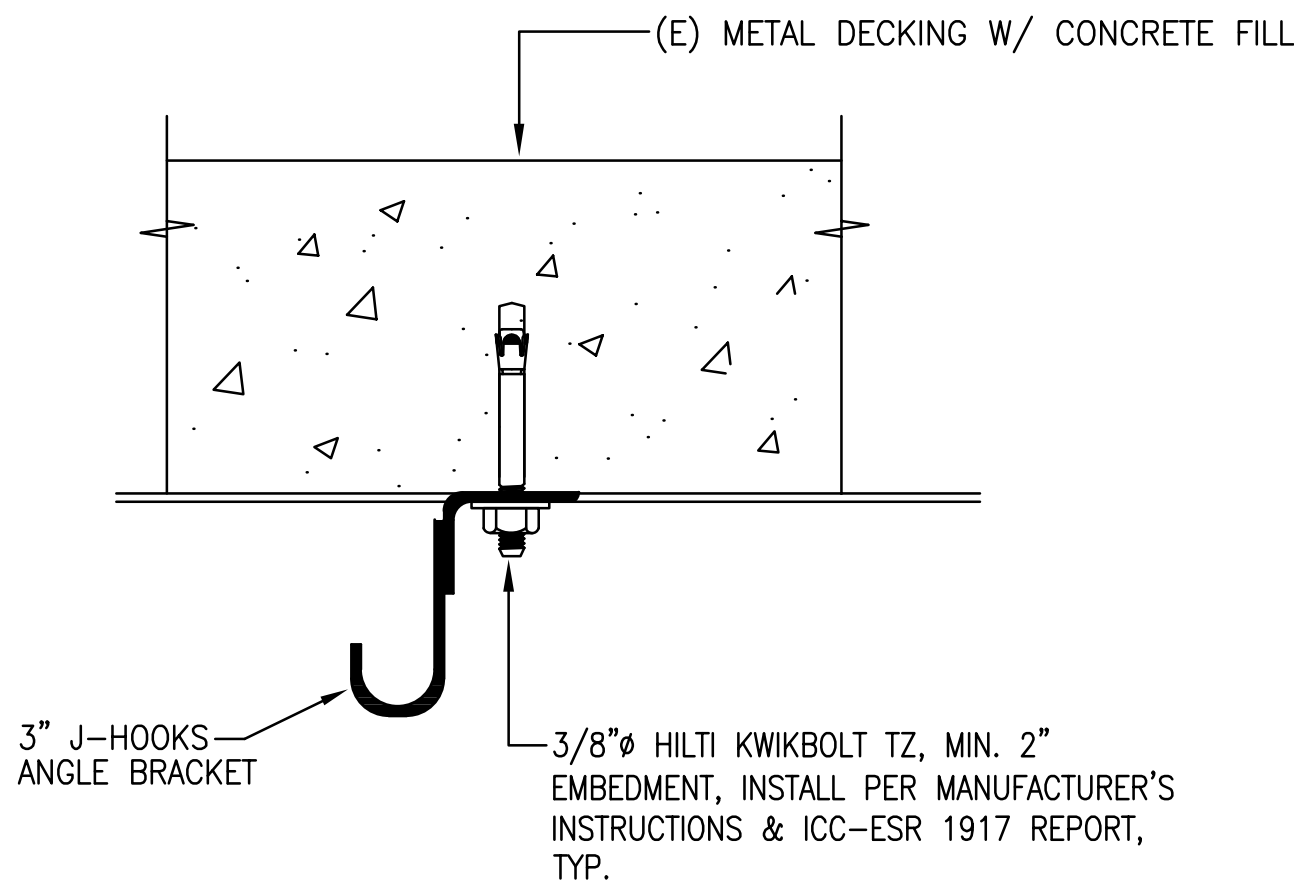
3 TYPICAL WALL PENETRATION
NOT TO SCALE



4 HANGER WIRE - TOP CONNECTION FOR PENDANT LIGHT FIXTURE
NOT TO SCALE



1 TYPICAL SURFACE MOUNTED FIXTURE
NOT TO SCALE



5 CABLE PATCHWAYS DETAIL
NOT TO SCALE

Reviewed for Code Compliance
City of San Jose, Building Division
☐ Building ☒ Electrical
☐ Plumbing ☐ Mechanical
Daniel Larios (408) 535-7863
No. 25-137621 Date: 12/11/2025

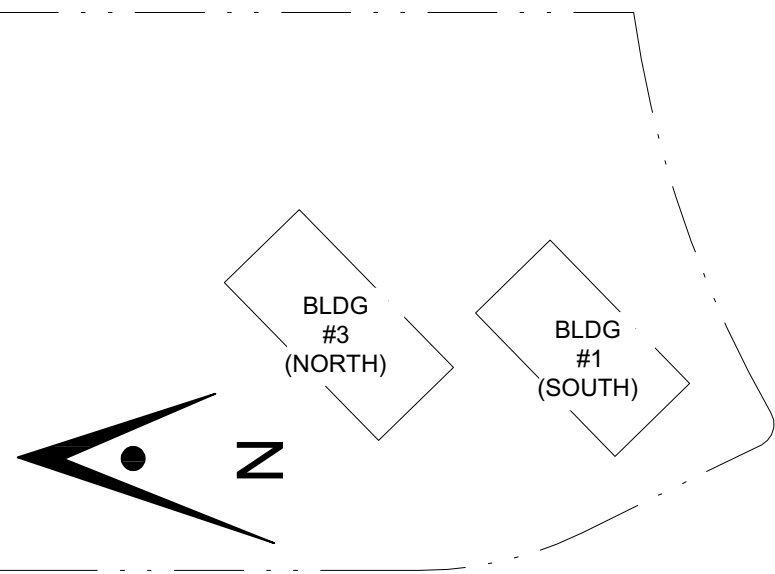
CONSULTANT LOGO

Professional Engineer
DAVID W. CLOW
No. 12883
Exp. 12/31/26
ELECT.
STATE OF CALIFORNIA

Alliance Engineering Consultants, Inc.
4701 Patrick Henry Drive, Bldg. 10 Santa Clara, CA 95054
phone (408) 970-9888 fax (408) 970-9316
www.aec-engineers.com

PROJECT NO. 324-25-01

Key Plan



Project Title

B03_25_26
RIDDER PARK ELEVATOR
MODERNIZATION
1290 RIDDER PARK DR., SAN JOSE CA 95131
SANTA CLARA COUNTY OFFICE
OF EDUCATION

No.	Description	Date
	CITY SUBMITTAL	10/17/25
	CITY SUBMITTAL #1	11/10/25

Drawing Title

LIGHTING FIXTURE
SCHEDULE AND
DETAILS

Consultant Seal

Date
10/17/25

Project Number

Drawing No.

E-7

DISTRICT STANDARD COPPER:

Copper Item	Part Number		
Leviton eXtreme Cat 6A QuickPort	6110G-RL6	Blue	Data
Leviton eXtreme Cat 6A QuickPort	6110G-RV6	Green	Facilities
Leviton eXtreme Cat 6A QuickPort	6110G-RY6	Yellow	Wireless
LANmark-2000 Premium Cat6 Cabling	10163222	Blue	Data
LANmark-2000 Premium Cat6 Cabling	10170668	Green	Facilities
Leviton Quickport Wallplate, 2-Port	41080-2WP	White	Data
Leviton Surface Mount QuickPort Box,- 1 Port	41089-1WP	White	Wireless
Leviton QuickPort Patch Panel, 48 -Port, 2RU	49255-H48		Copper Term
FIBER			

Port Installation Details

Excess service loop of 10 (ten) feet must be added for each new drop and coiled above the ceiling.

Always pull pairs of copper when adding ports, vertically mounted wall plates.

Location on the wall must be ADA compliant.

Wireless infrastructure drops must terminate to a surface mount box above drop tile.

If materials are not available check with SCCOE for equivalent.

Labeling

Both patch panel and drop must be labeled in the following formats:

Patch Panel Side

Non-Wireless is a three-digit port number [XXX] along with A/B designations for dual drops – vendor to check with SCCOE for what number to start with when adding ports

Wireless will have a “W-” prefix along with the APs inventory number – vendor to check with SCCOE for what number to start with when adding ports

Drop-Side

Non-Wireless label must be on both the end of the cable as well as the cover plate.

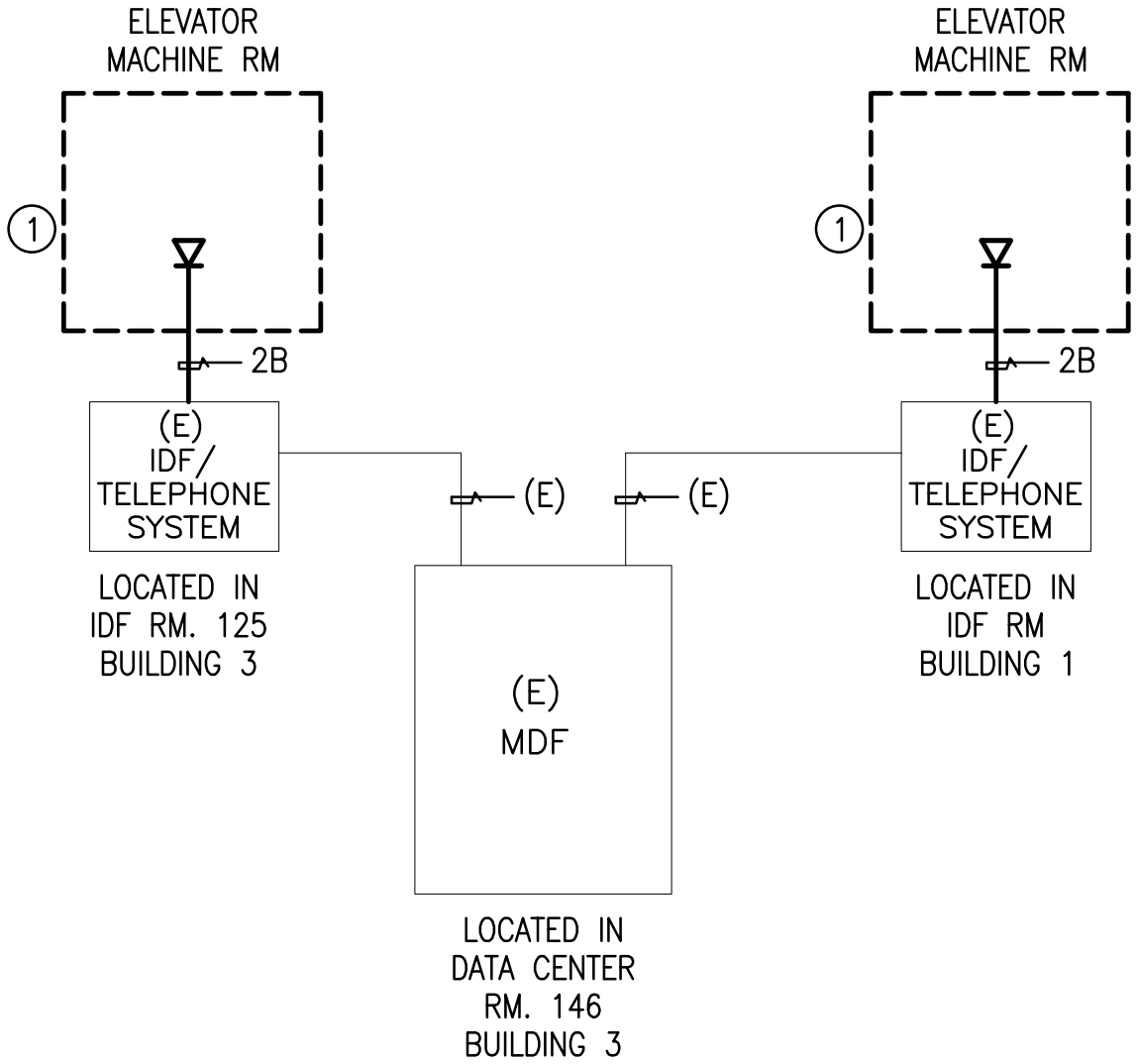
The plate label will include floor and building, along with three-digit port number in the format of X.Y.ZZZ, where X is the building number, Y is the floor number and Z is the port number. Drops may be labeled on the jack itself, rather than on the cover plate.

The cable will be labeled with only the ZZZ number format.

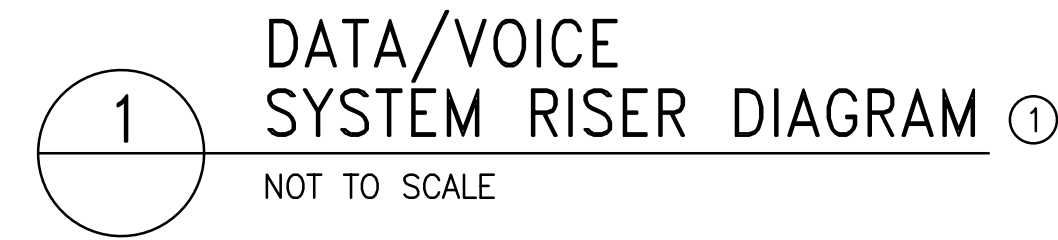
Wireless drops will be labeled with building, floor and AP number format. Label should be on both the T-Bar and the jack where the drop is located.

SHEET NOTE:

- ① SEE FLOOR PLAN FOR EXACT LOCATION AND QUANTITY OF DEVICES.



DATA/VOICE CABLE SCHEDULE			
TYPE	DESCRIPTION		
B	4 PAIR CAT-6	SUPERIOR ESSEX (CUP WITH FEP JACKET)	



Reviewed for Code Compliance

City of San Jose, Building Division

☐ Building ☒ Electrical

☐ Plumbing ☐ Mechanical

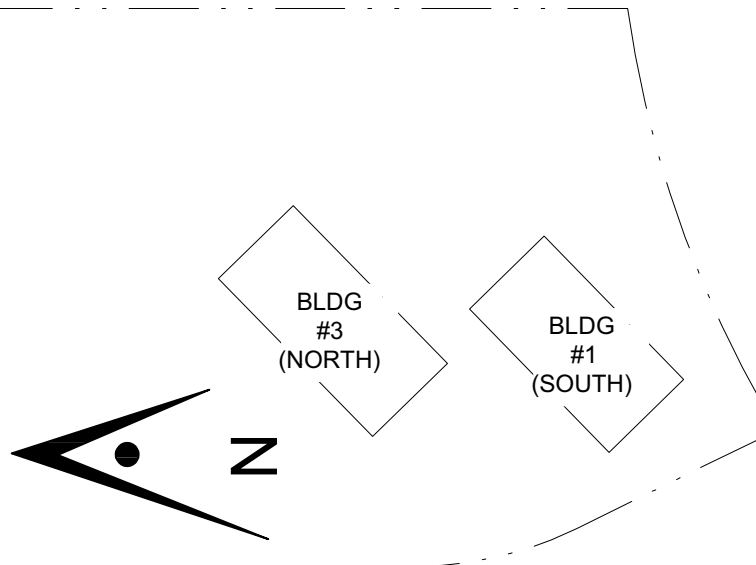
Daniel Larios (408) 535-7863

No. 25-137621 Date:12/11/2025

CONSULTANT LOGO

Professional Engineer Seal for David W. CLOW, No. 12883, Exp. 12/31/26, State of California. Alliance Engineering Consultants, Inc. 4701 Patrick Henry Drive, Bldg. 10 Santa Clara, CA 95054. Phone (408) 970-9888, Fax (408) 970-9316, www.aec-engineers.com. PROJECT NO. 324-25-01

Key Plan



Project Title

B03_25_26
RIDDER PARK ELEVATOR
MODERNIZATION
1290 RIDDER PARK DR., SAN JOSE CA 95131
SANTA CLARA COUNTY OFFICE
OF EDUCATION

No.	Description	Date
	CITY SUBMITTAL	10/17/25
	CITY SUBMITTAL #1	11/10/25

Drawing Title

RISER DIAGRAM
AND CABLE SCHEDULE

Consultant Seal

Date
10/17/25

Project Number

-

Drawing No.

E-8