



November 24, 2021

Aedis Architects
387 S. First St., Suite 300
San Jose, CA 95113

Subject: George Hall Elementary School HVAC Replacement
San Mateo - Foster City School District
Aedis Project No. 2021005.02
DSA Application #01-119523

ADDENDUM NO. 1

CHANGES AND/OR CLARIFICATIONS OF THE DRAWINGS AND SPECIFICATIONS ARE AS FOLLOWS:

SPECIFICATIONS

ITEM NO. 1.1: TABLE OF CONTENTS

Add: 26 24 13 SWITCHCHBOARDS, 600 VOLTS AND BELOW

Add: 31 23 16 TRENCHING

ITEM NO. 1.2: SECTION 31 23 16 - TRENCHING

Add: The specification in its entirety per 31 23 16 Trenching.

ITEM NO. 1.3: SECTION 32 31 13 - CHAIN LINK FENCES AND GATES

Add: 2.4 SWING GATES D. Hardware

Item 5.: Panic Hardware: CD 990AX-L-WH-6280 SNB with Gate closer/Hinge:
SureClose Pivot: SM AT90W"

DRAWINGS

ARCHITECTURAL

ITEM NO. 1.4: DRAWING SHEET T1 – TITLE SHEET

Revise: General Notes 7 to read as "ALL EXISTING FINISHES OR MATERIALS DAMAGED OR DEMOLISHED DUE TO NEW CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL STATE, INCLUDING BUT NOT LIMITED TO REINSTALLING OR REPLACING EXISTING CHAINLINK FENCING AS REQUIRED AND RESTRIPIING PAVING IN KIND. S.E.D. FOR TRENCH ROUTING. VERIFY IN FIELD AND SEE ARCHITECTURAL SITE PLAN FOR STRIPING AT EXISTING PAVING."

Delete: Drawing Index: "S2.02- EXISTING FRAMING PLAN - ESCALON BLDG"

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ITEM NO. 1.5: DRAWING SHEET A1.02 – DEMOLITION & NEW SITE PLAN

Add: Trench area to New Site Plan 1/A1.02 & Graphic Key per AD1-A1.02

Add: General Sheet Note item G per AD1-A1.02

Add: Striping keynote 25 to New Site Plan 1/A1.02 per AD1-A1.02

ITEM NO. 1.6: DRAWING SHEET A2.01 – DEMOLITION FLOOR PLANS – WINGS 1, 2, 3, 4

Add: General Sheet Note #J per AD1-A2.01

Add: Demolition Floor plan Keynotes #9 & #10 per AD1-A2.01

Add: Partial ceiling demolition keynote #9 at Demolition Floor Plans 2/A2.01, 3/A2.01, and 4/A2.01 per AD1-A2.01

Revise: At Classroom 5 replace keynote 2 with keynote 10 per AD1-A2.01

ITEM NO. 1.7: DRAWING SHEET A2.02 – DEMOLITION FLOOR PLAN - ESCALON BLDG

Revise: Floor Plan Keynote #6 locations per AD1-A2.02

Add: General Sheet Note #J per AD1-A2.02

ITEM NO. 1.8: DRAWING SHEET A3.01 – NEW FLOOR PLANS – WINGS 1, 2, 3 & 4

Add: Door tags 3b, 9b & 15b to New Floor Plans 2/A3.01, 3/A3.01, and 4/A3.01 per AD1-A3.01

Add: Ceiling patching keynote #10 to New Floor Plans 1/A3.01, 2/A3.01, and 3/A3.01 per AD1-A3.01

Revise: New Floor Plan Keynotes #8 & #9 per AD1-A3.01

ITEM NO. 1.9: DRAWING SHEET A5.01 – PARTIAL SITE ROOF PLAN

Add: Exhaust fans per AD1-A5.01

Add: Partial Site Roof Plan Keynotes #3 per AD1-A5.01

Revise: Partial Site Roof Plan Keynotes #2 per AD1-A5.01

ITEM NO. 1.10: DRAWING SHEET A8.10 – EXTERIOR DETAILS

Revise: Detail 9 Asphalt/Concrete Joint per AD1-A8.10

ITEM NO. 1.11: DRAWING SHEET A9.10 – INTERIOR DETAILS, WALL TYPES, AND INTERIOR ELEVATIONS

Revise: Details 1 & 5 per AD1-A9.10a

Revise: Detail 6 per AD1-A9.10b

Revise: At Detail 8/A9.10 revise "1"x2"x2.5" GA" to "1"x2"x25 GA"

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ITEM NO. 1.12: DRAWING SHEET A11.01 – FINISH SCHEDULE & FURNITURE SCHEDULE, OPENING SCHEDULE, LEGENDS, & DETAILS

Add: Doors 3b, 9b & 15b to Door Schedule per AD1-A11.01
Add: Door Schedule Comments per AD1-A11.01
Add: Door Type B per AD1-A11.01

MECHANICAL**ITEM NO. 1.13: DRAWING SHEET MP0.02 – SCHEDULES – MECHANICAL & PLUMBING**

Revise: Classroom Split System Heat Pump Schedule per AD1-MP0.02
Revise: Air Distribution Schedule per AD1-MP0.02
Add: Roof exhaust Fan Schedule per AD1-MP0.02

ITEM NO. 1.14: DRAWING SHEET MP2.03 – FLOOR PLAN – NEW – WINGS 1, 2, 3, 4 – MECHANICAL & PLUMBING

Add: Roof exhaust fan per AD1-MP2.03a
Revise: General Notes #4 & #5 per AD1-MP2.03a
Add: New Sheet Note #23 per AD1-MP2.03a
Add: Roof exhaust Fan per AD1-MP2.03b
Add: New Sheet Note #23 per AD1-MP2.03b

ITEM NO. 1.15: DRAWING SHEET MP2.04 – FLOOR PLAN – NEW – ESCALON BLDG – MECHANICAL & PLUMBING

Revise: Location of HP-32 per AD1-MP2.04a
Revise: General Notes #4 & #5 per AD1-MP2.04a
Add: Dimension per AD1-MP2.04a
Add: View 5/AD1-MP2.04 Partial Floor Plan - Wing 2 - New – Mechanical & Plumbing per AD1-MP2.04b
Add: New Sheet Note #38 per AD1-MP2.04b
Add: Exhaust Fan per AD1-MP2.04c

ITEM NO. 1.1: DRAWING SHEET MP6.01 – DETAILS – MECHANICAL & PLUMBING

Revise: Detail 4 per AD1-MP6.01
Add: Detail 16 per AD1-MP6.01

ELECTRICAL**ITEM NO. 1.16: DRAWING SHEET E1.1 – ELECTRICAL SITE PLAN**

Revise: Conduit Tag #8 per AD1-E1.1

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Revise: Conduit Schedule #8 per AD1-E1.1

ITEM NO. 1.17: DRAWING SHEET E2.1 – ELECTRICAL DEMO FLOOR PLANS - WINGS #1, 2, 3 & 4 AND TYP. RELOCATABLE

Revise: Demolition Sheet Note #4 per AD1-E2.1

ITEM NO. 1.18: DRAWING SHEET E2.2 – ELECTRICAL DEMO FLOOR PLANS, ESCALON

Revise: Demolition Sheet Note #4 per AD1-E2.2

ITEM NO. 1.19: DRAWING SHEET E3.1 – ELECTRICAL NEW FLOOR PLANS, WINGS #1, 2, 3 & 4

Revise: Electrical plans 1/E3.1, 2/E3.1, 3/E3.1 & 4/E3.1 per AD1-E3.1

Add: General Note #6 per AD1-E3.1

Revise: Sheet Note #6 per AD1-E3.1

Add: Sheet Notes #11 & #12 per AD1-E3.1

Add: Solar Conduit stub ups at each wing per AD1-E3.1

Add: Power for exhaust fan per AD1-E3.1

ITEM NO. 1.20: DRAWING SHEET E3.2 – ELECTRICAL DEMO FLOOR PLANS, ESCALON

Revise: Electrical plan 1/E3.2 per AD1-E3.2

Add: Power for exhaust fan at building per AD1-E3.2

Add: General Note #6 per AD1-E3.2

Revise: Sheet Note #5 per AD1-E3.2

Omit: Sheet Note #10 per AD1-E3.2

Add: Sheet Note 11 per AD1-E3.2

Revise: Location of HP-2 per AD1-E3.2

ITEM NO. 1.21: DRAWING SHEET E4.2 – NEW SINGLE LINE DIAGRAM

Revise: Switchboard to be OFCI per AD1-E4.2

ITEM NO. 1.22: DRAWING SHEET E4.3 – PANEL SCHEUDLES

Revise: Panel Schedule per AD1-E4.3

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Aedis Architects
Thang Do, Principal



Electrical, American Consulting Engineers Electrical
Sammy Fernandez



Mechanical, Cypress Engineering Group
Metin Serttunc

Division of the State Architect

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Attachments:

Specifications:

31 23 16 Trenching (5 pages)

Drawings:

ARCHITECTURAL:

SHEET AD1-A1.02

SHEET AD1-A2.01

SHEET AD1-A2.02

SHEET AD1-A3.01

SHEET AD1-A5.01

SHEET AD1-A8.10

SHEET AD1-A9.10a

SHEET AD1-A9.10b

SHEET AD1-A11.01

MECHANICAL:

SHEET AD1-MP0.02

SHEET AD1-MP2.03a

SHEET AD1-MP2.03b

SHEET AD1-MP2.04a

SHEET AD1-MP2.04b

SHEET AD1-MP2.04c

SHEET AD1-MP6.01

ELECTRICAL:

SHEET AD1-E1.1

SHEET AD1-E2.1

SHEET AD1-E2.2

SHEET AD1-E3.1

SHEET AD1-E3.2

SHEET AD1-E4.2

SHEET AD1-E4.3

SECTION 312316 – TRENCHING

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes excavating trenches for utilities from outside building to final connection point or public right-of-way or utility; compacted fill from top of utility bedding to subgrade elevations; and backfilling and compaction.
- B. Related Sections:
 - 1. Section 03 30 00 – Cast-in-Place Concrete.

1.2 DEFINITIONS

- A. Utility: Any buried pipe, duct, conduit, or cable.

1.3 FIELD MEASUREMENTS

- A. Verify field measurements prior to fabrication.

1.4 COORDINATION

- A. Section 01 06 00 - Regulatory Requirements.
- B. Verify Work associated with lower elevation utilities is complete before placing higher elevation utilities.
- C. Verify elevations of existing facilities prior to placing new Work.

PART 2 PRODUCTS

2.1 FILL MATERIALS

- A. Fill and Structural Fill shall be: As specified in the project Soils Report and any supplements to the Soils Report.

2.2 ACCESSORIES

- A. Filter Fabric: Non-biodegradable, woven as manufactured by TC Mirafi, Tenax Corp., Tensar Earth Technologies, Inc. or equal.

PART 3 EXECUTION

3.1 LINES AND GRADES

A. Grades

1. Pipes shall be laid true to the lines and grades indicated.
2. The grade alignment of the pipe shall be maintained by the use of a string line parallel with the grade line and vertically above the centerline of the pipe. This line shall be established on level batter boards at intervals of not more than 25 feet. Batter boards shall span the trench and be rigidly anchored to substantial posts driven into the ground on each side of the trench. Three adjacent batter boards must be set before laying pipe to provide a check on the grades and line. Elevation and position of the string line shall be determined from the elevation and position of offset points or stakes located along the pipe route. Pipe shall not be laid using side lines for line or grade.
3. As an alternative means of establishing alignment and grade, a "Laser-Beam" instrument may be utilized with a competent operator.

B. Location of Pipe Lines:

1. The location and approximate depths of the proposed pipe lines are shown on the Drawings.
2. An underground locate service shall be enlisted to discover the location of existing utilities regardless if they are shown on the drawings.
3. The Architect/Engineer reserves the right to make changes in lines, grades, and depths of pipe lines and manholes when such changes are necessary.

3.2 PREPARATION

- A. Identify required lines, levels, contours, and datum locations.
- B. Protect plant life, lawns, and other features remaining as a portion of final landscaping.
- C. Protect bench marks, existing structures, fences, sidewalks, paving, and curbs from excavating equipment and vehicular traffic.
- D. Maintain and protect above and below grade utilities which are to remain.
- E. Cut out soft areas of subgrade not capable of compaction in place. Backfill and compact to density equal to or greater than requirements for subsequent backfill material.

3.3 EXCAVATING

- A. Excavate subsoil required for utilities.

- B. Cut trenches sufficiently wide to enable installation and allow inspection. Remove water or materials that interfere with Work.
- C. Do not interfere with 45 degree bearing splay of foundations.
- D. Hand trim excavation. Hand trim for bell and spigot pipe joints. Remove loose matter.
- E. Remove lumped subsoil, boulders, and rock as directed by the Soils Engineer or other inspector.
- F. Correct over excavated areas with backfill and compact replacement as specified for authorized excavation.
- G. Stockpile excavated material on site. Remove excess material not being used from site.

3.4 TRENCHING

- A. Excavations:
 - 1. Excavation shall be dug so that the pipe can be laid and jointed properly. The trench shall be made so that the pipe can be laid to the alignment and depth as shown on the Drawings, and it shall be excavated only so far in advance of pipe laying as permitted by the Architect/Engineer. The excavation shall not be more than two feet wider at the bottom than the outside diameter of the pipe or structure. If there is no interference with construction, or adjacent property, and if soil permits, the Contractor at his own expense shall be permitted to slope the side walls of the excavation starting at a point two (2) feet above the top of pipe.
 - 2. The trench shall be excavated to the depth required so as to provide a uniform and continuous bearing and support for the pipe on bedding material at every point between joints, except where pipe slings or other lifting tackle are withdrawn.
 - 3. Excavation Below Grade:
 - 1) Where excavation indicates that the subsurface materials at the bottom of the trench are in a loose or soft state, the Contractor shall be advised to excavate to a depth where suitable material is encountered, as directed by the Architect/Engineer.
 - 2) Where the bottom of the trench has been excavated by mistake to a greater depth than required, the Contractor shall refill this area using approved material. No additional compensation shall be given to the Contractor. Refilling with earth to bring the bottom of the trench to the proper grade will not be permitted.
 - 4. Excavation within 24 inches of existing utilities shall be governed by specifications of the Owner of the respective utility. The Contractor shall obtain these specifications and follow the same at no extra cost.

GEORGE HALL ELEMENTARY SCHOOL HVAC
REPLACEMENT
San Mateo-Foster City School District
2021005.02

5. Excavation and shoring shall adhere to the requirements and safety standards set by OSHA.
- B. Trenching in Advance of Pipe Laying: The trench for the pipe lines shall not be opened for a distance of more than 200 feet at any one time, unless authorized by the Architect/Engineer. At no time will the Contractor be permitted to leave more than 50 feet of trench open at the end of a working day. Adequate protection of open trench shall be provided by the Contractor and the Contractor shall be responsible therefore.

3.5 SHEETING AND BRACING

- A. General:
 1. Sheeting and bracing of all excavations shall conform to the latest statutes of the State of California governing safety of workers in the construction industry. When necessary, in the opinion of the Contractor, adequate sheeting and bracing shall be installed to prevent ground movement that may cause damage or settlement to adjacent structures, pipelines and utilities. Any damage due to settlement because of failure to use sheeting or because of inadequate bracing, or through negligence or fault of the Contractor in any other manner, shall be repaired at the Contractor's expense.
 2. Sides of trenches in unsuitable, loose or soft material, five feet or more in depth, shall be shored, sheeted, braced, sloped, or otherwise supported by means of sufficient strength to protect employees working within them.
- B. Sheeting Requirements:
 3. Where excavations are made with vertical sides which require supporting, the sheeting and bracing shall be of sufficient strength to sustain the sides of the excavations and to prevent movement which could in any way injure the Work, or adjacent structures, or diminish the working space sufficiently to delay the Work. Special precautions shall be taken where there is additional pressure due to the presence of other structures.
 4. It shall be the Contractor's responsibility to select sheeting and bracing of sufficient dimensions and strength and type to adequately support the sides of trenches and excavations.
 5. Sheeting and bracing shall be removed before the completion of the Work.

3.6 BACKFILLING

- A. Backfill trenches to contours and elevations shown on the drawings.
- B. Systematically backfill to allow maximum time for natural settlement. Do not backfill over porous, wet, or spongy subgrade surfaces.
- C. Fill materials shall be as specified in the Soils Report and any supplements to the Soils Report.

- D. Employ a placement method that does not disturb or damage utilities in trench. Jetting of backfill materials to achieve compaction shall not be permitted.
- E. Maintain optimum moisture content of fill materials to attain required compaction density.
- F. Remove surplus fill materials from site.

3.7 TOLERANCES

- A. Section 01 40 00 - Quality Requirements.
- B. Top Surface of Backfilling Under Paved Areas: Plus or minus 0.05 feet from required elevations.
- C. Top Surface of General Backfilling: Plus or minus 1/10 feet from required elevations.

3.8 FIELD QUALITY CONTROL

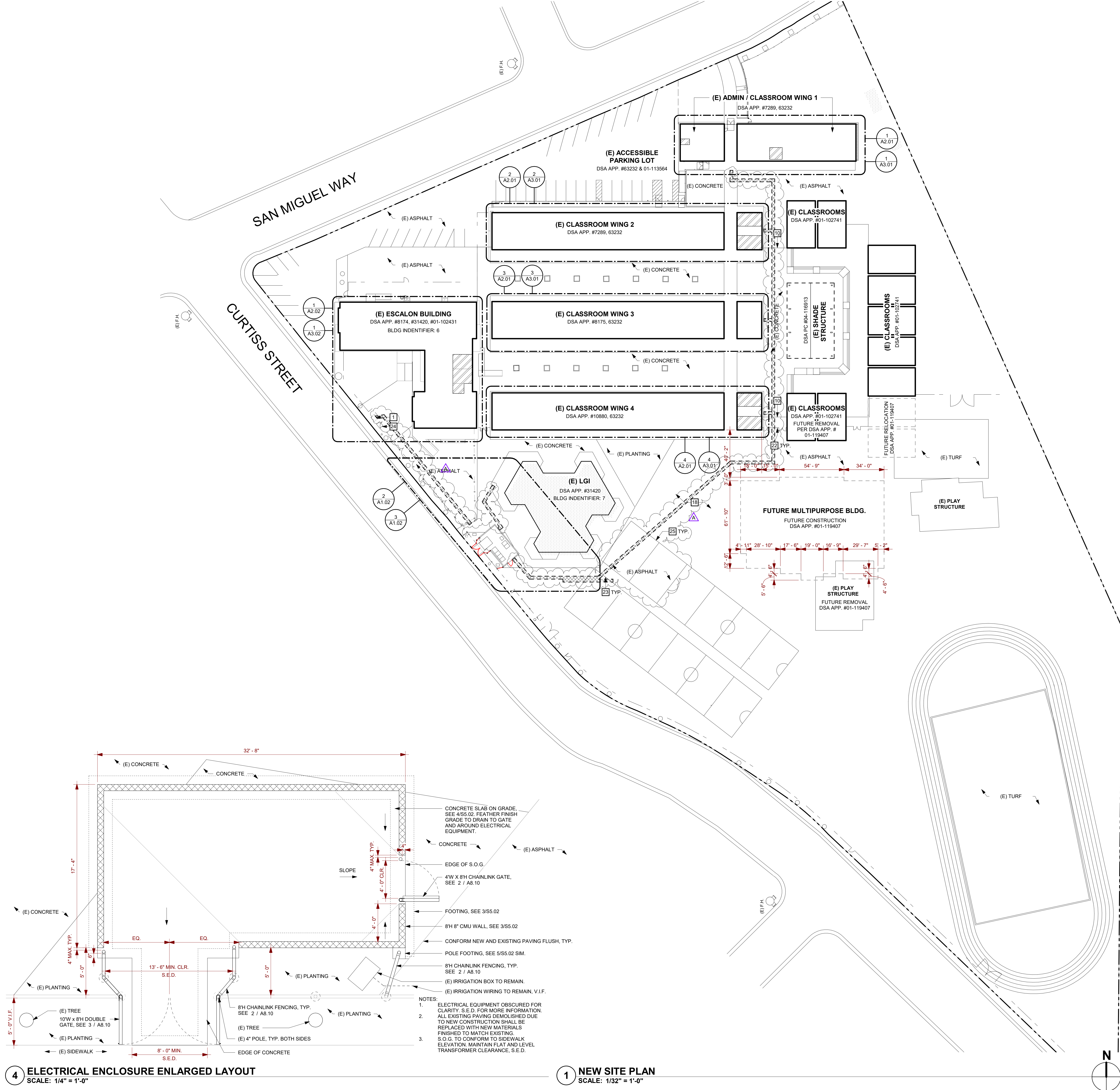
- A. Compaction testing will be performed by the project Soils Engineer.
- B. If tests indicate Work does not meet specified requirements, remove Work, replace, compact, and retest.

3.9 PROTECTION OF FINISHED WORK

- A. Section 01 70 00 - Execution and Closeout Requirements.
- B. Reshape and re-compact fills subjected to vehicular traffic during construction.

END OF SECTION

11/24/2021 3:17:43 PM
C:\Users\szhang\Documents\2021005.02_George Hall ES - HVAC Replacement_Central(2019 version)_szhang\DWG\3p.rvt



4 ELECTRICAL ENCLOSURE ENLARGED LAYOUT
SCALE: 1/4" = 1'-0"

1 NEW SITE PLAN
SCALE: 1/32" = 1'-0"

GENERAL SHEET NOTES

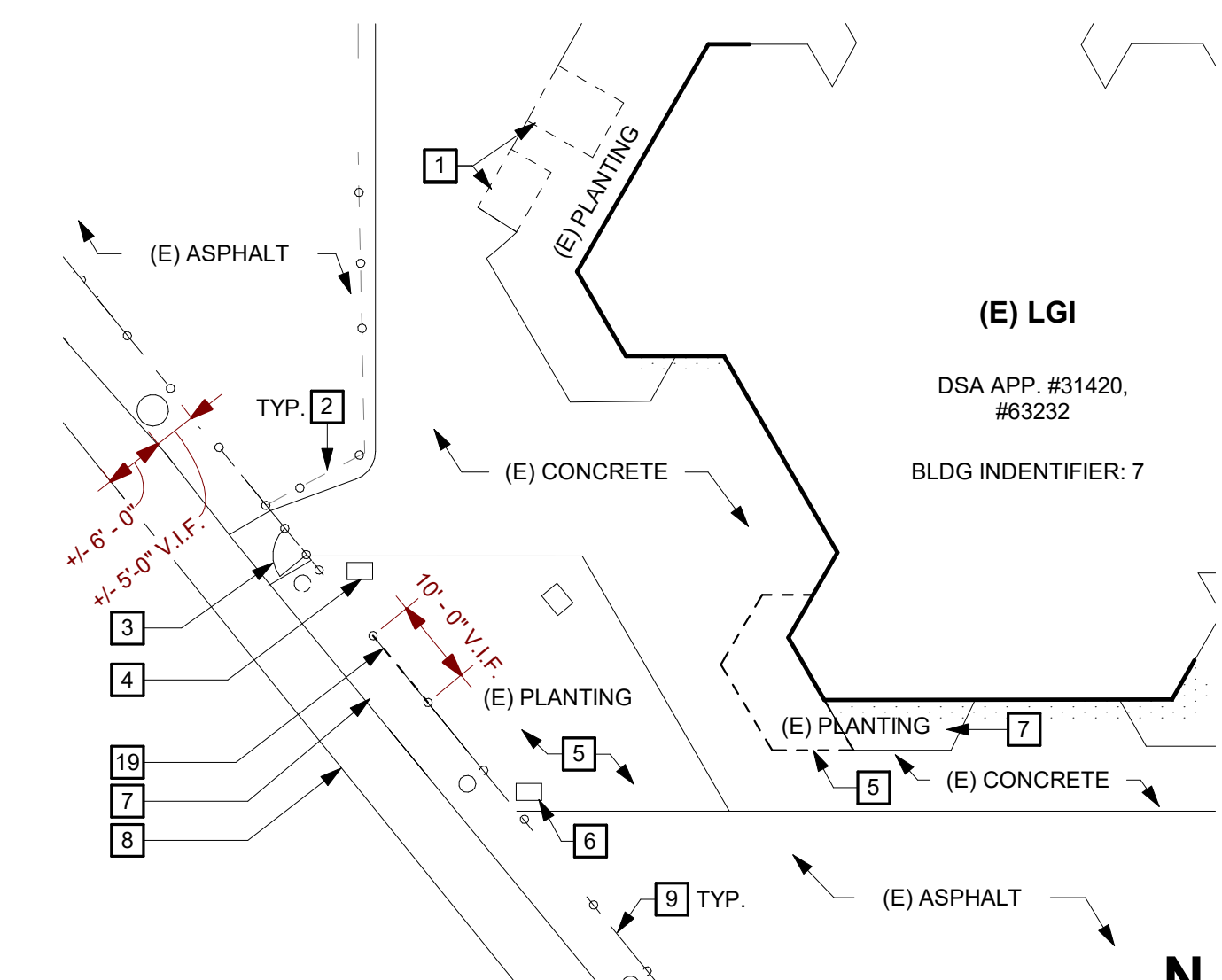
- A BUILDINGS ARE UNSPRINKLERED, TYPE V-B CONSTRUCTION UNLESS OTHERWISE NOTED
B NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA
C CONTRACTOR SHALL MAINTAIN FIRE LANE ACCESS THROUGHOUT PROJECT.
D DO NOT INTERRUPT EXISTING UTILITY SERVICES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AND COORDINATED WITH THE OWNER.
E PROTECT EXISTING & NEW STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, TREES AND SHRUBS FROM DAMAGE DURING CONSTRUCTION.
F REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR EXTENT OF ELECTRICAL AND MECHANICAL WORK.
G ALL EXISTING FINISHES OR MATERIALS DAMAGED OR DEMOLISHED DUE TO NEW CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL STATE, INCLUDING BUT NOT LIMITED TO REINSTALLING OR REPLACING EXISTING CHAINLINK FENCING AS REQUIRED AND RESTRIPIING PAVING IN KIND, S.E.D. FOR TRENCH/ROUTING, SEE ARCHITECTURAL SITE PLAN FOR STRIPING AT EXISTING PAVING

DEMO & NEW SITE PLAN KEYNOTES

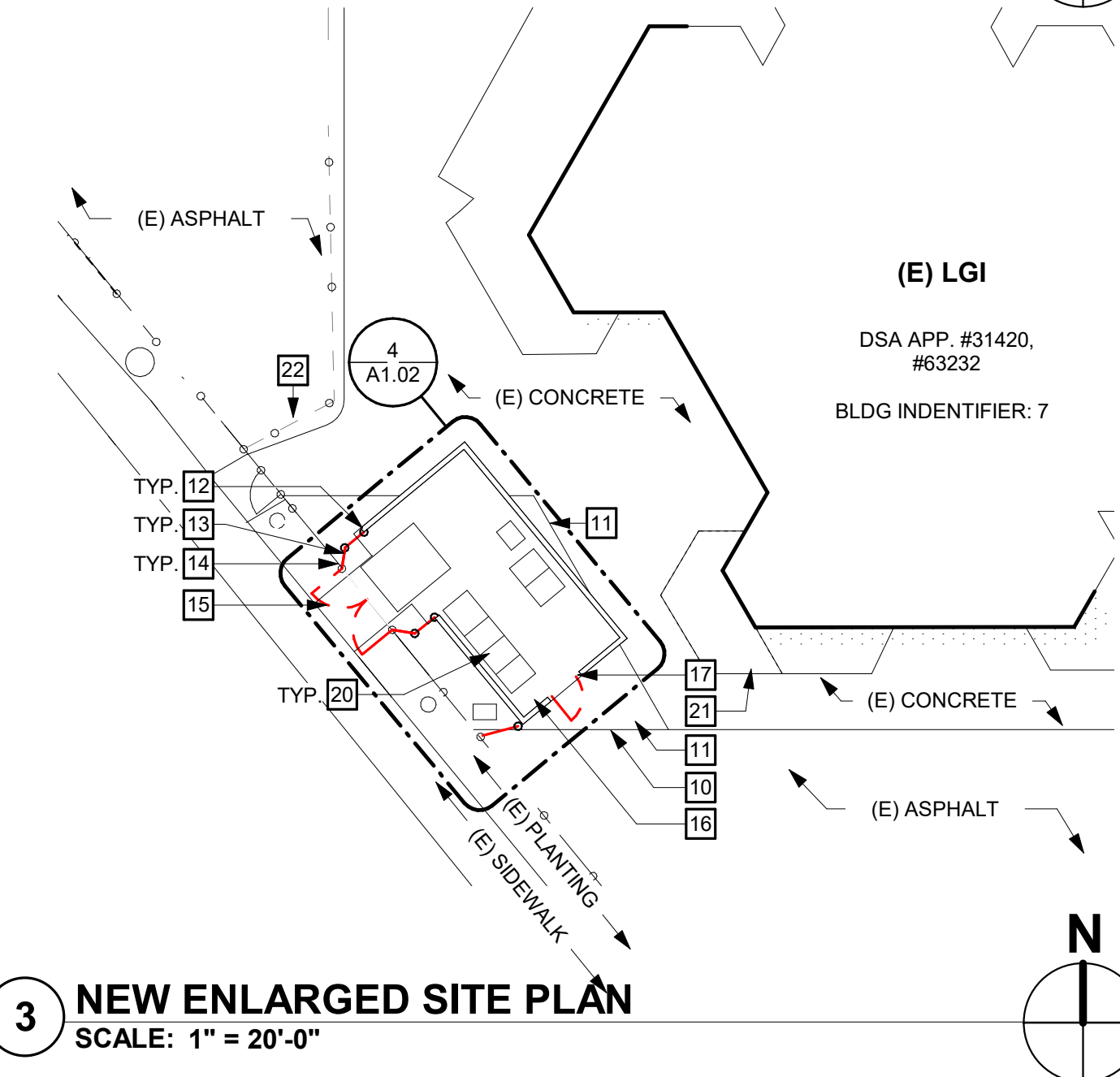
- 1 REMOVE (E) ELECTRICAL EQUIPMENT AND PAD, S.E.D.
2 (E) CHAINLINK FENCING TO REMAIN, SALVAGE AND REINSTALL FABRIC AND BOTTOM BAR AS REQUIRED FOR CONSTRUCTION ACCESS.
3 (E) GATE TO REMAIN
4 (E) ELECTRICAL BOX, S.E.D. CAP CONDUIT AND REMOVE ABANDONED PULL BOX.
5 (E) PLANTING AND IRRIGATION TO BE REMOVED, CAP IRRIGATION BEFORE REMOVAL, PREP FOR NEW WORK.
6 (E) IRRIGATION BOX TO REMAIN.
7 (E) PLANTING TO REMAIN
8 (E) SIDEWALK TO REMAIN
9 (E) CHAINLINK FENCING TO REMAIN.
10 PAVING MATERIAL TRANSITION, SEE DETAIL 9/A8.10
11 INFILL CONCRETE AT REMOVED PLANTING, SEE DETAIL 6/A8.10
12 AT CHAINLINK FENCING AND POSTS, 4" SPHERE SHALL NOT PASS BETWEEN FENCING AND ADJACENT SURFACES, TYP.
13 CHAINLINK FENCE, SEE DETAIL 2/A8.10 AND S.E.D.
14 AT (E) 8H CHAINLINK FENCING TO REMAIN ADJACENT REMOVED CHAINLINK, RECONNECT (E) CHAINLINK FABRIC TO (E) POLE, SEE DETAIL 4/A8.10 SIM. FOR REQUIREMENTS.
15 10'-0"W DOUBLE GATE, SEE DETAIL 9/A8.10 AND S.E.D.
16 FEATHER CONCRETE FINISH AT (N) PAVING TO FACILITATE DRAINAGE TOWARD OPENINGS IN CMU
17 4'-0"W GATE, SEE DETAIL 2/A8.10 AND S.E.D.
18 ROUTE ELECTRICAL CONDUIT 5' MIN. CLR. OF FUTURE CONSTRUCTION, S.E.D. FOR MORE INFORMATION
19 REMOVE (E) 8H CHAINLINK FENCING FOR INSTALLATION OF (N) GATE, SEE NEW SITE PLAN FOR ADDITIONAL INFORMATION.
20 ELECTRICAL EQUIPMENT, S.E.D.
21 INFILL CONCRETE AT REMOVED PLANTING, SEE DETAIL 6/A8.10, CONFORM TO ADJACENT PAVING, SLOPE 2% MIN AWAY FROM (E) BUILDINGS.
22 REMOVE AND REINSTALL CHAINLINK RAILS AND FABRIC AS REQUIRED FOR TRENCHING, TYP.
23 RESTRIPE (E) PLAYGROUND STRIPING IN KIND AT TRENCHING, S.E.D.
24 (E) ELECTRICAL EQUIPMNET, S.E.D.
25 (E) STRIPING TO REMAIN

GRAPHIC KEY

- EXISTING TOILET ROOMS.
EXISTING CONSTRUCTION TO REMAIN
EXISTING COVERED STRUCTURE
TRENCH FOR ELECTRICAL WORK, S.E.D., 8/S5.01 & DETAILS ON SHEET A8.10
ASSUMED PROPERTY LINE
(E) CHAINLINK FENCE
(N) CHAINLINK FENCE
EXISTING FIRE HYDRANT
(E) F.H.



2 DEMOLITION ENLARGED SITE PLAN
SCALE: 1" = 20'-0"



3 NEW ENLARGED SITE PLAN
SCALE: 1" = 20'-0"

aedis
architects

www.aedisarchitects.com
387 S. 1st Street, Suite 300
San Jose, CA 95113
tel: (408)-300-5100
fax: (408)-300-5121

PROJECT

**GEORGE HALL
ELEMENTARY
SCHOOL - HVAC
REPLACEMENT**

**SAN MATEO-FOSTER CITY
SCHOOL DISTRICT**

CONSULTANT

STAMP



STATE

FILE NUMBER **41-26**
APPL # **01-119523**

REVISIONS

No.	Description	Date
1	Addendum 1	11/24/2021

MILESTONES

DD	
90% CD	
DSA SUB	05/21/2021
BACKCHECK	10/04/2021

SHEET

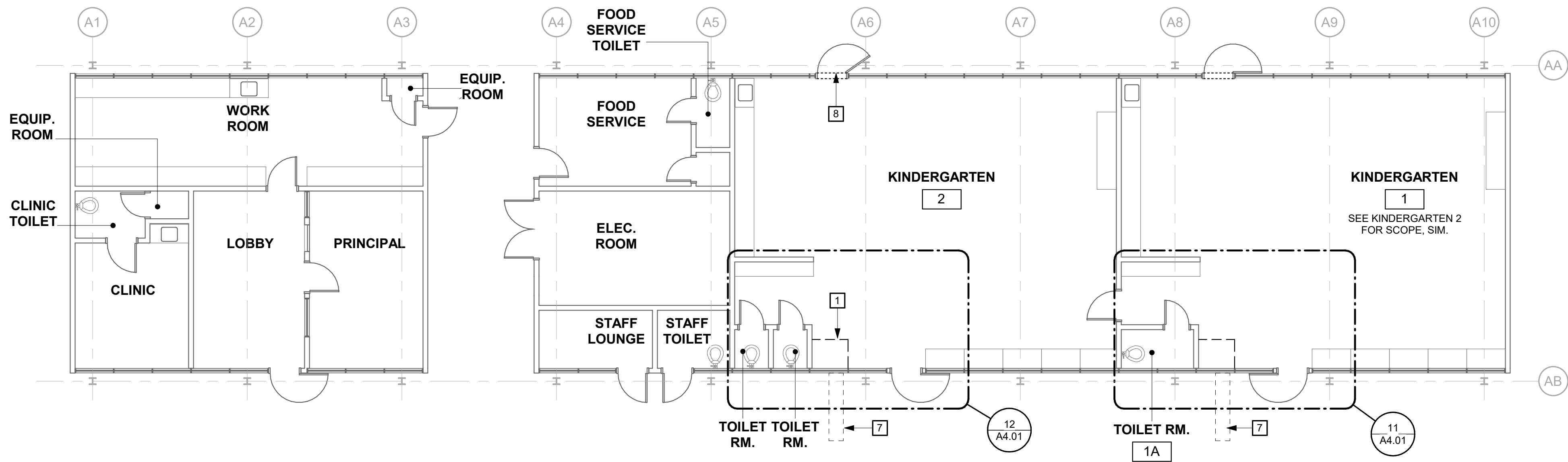
**DEMOLITION &
NEW SITE PLAN**

DATE

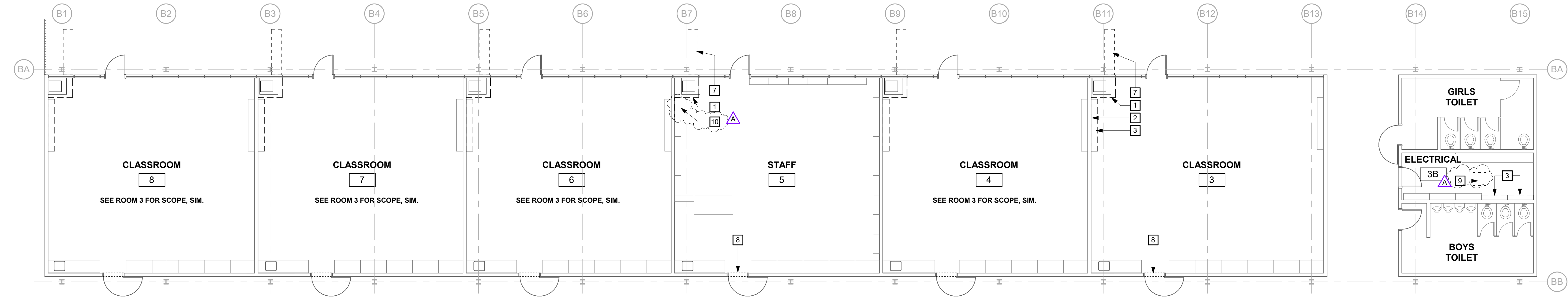
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JOB # **2021005.02**

SHEET #

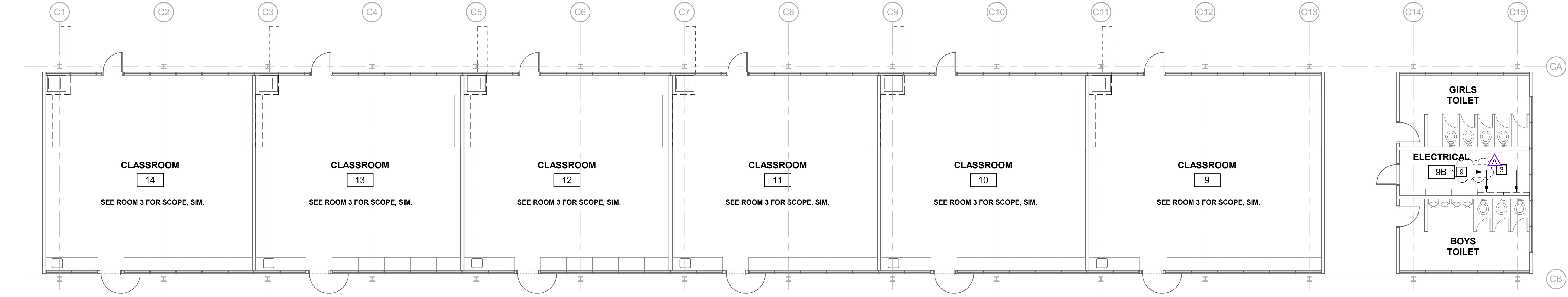
**AD1-
A1.02**



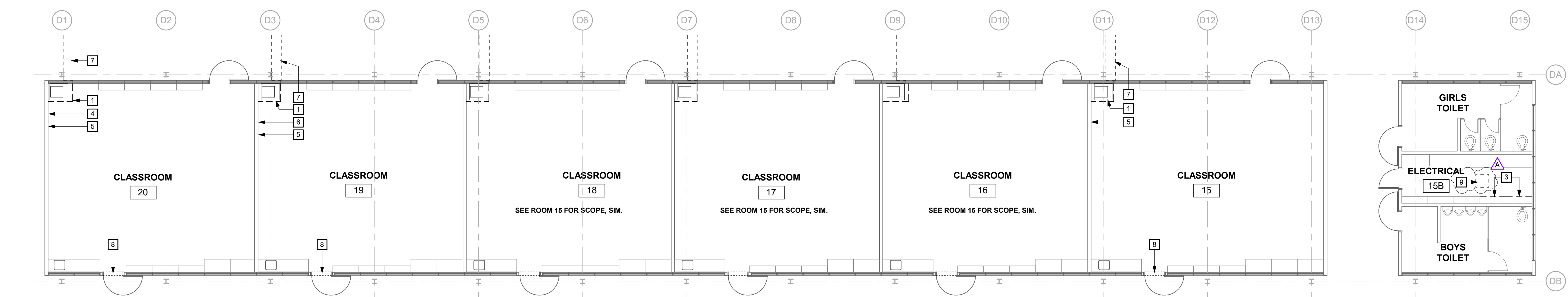
1 DEMOLITION FLOOR PLAN - WING 1
SCALE: 1/8" = 1'-0"



2 DEMOLITION FLOOR PLAN - WING 2
SCALE: 1/8" = 1'-0"



3 DEMOLITION FLOOR PLAN - WING 3
SCALE: 1/8" = 1'-0"



4 DEMOLITION FLOOR PLAN - WING 4
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

- ROOM NAMES OR NUMBERS MAY NOT BE CONSISTENT BETWEEN DEMOLITION AND NEW FLOOR PLANS.
- REFER TO STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR EXTENT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL DEMOLITION WORK.
- VERIFY LIMITS OF DEMOLITION WITH SCOPE OF NEW WORK PRIOR TO COMMENCING WORK.
- ALL ITEMS SHOWN DASHED ARE TO BE DEMOLISHED UNLESS OTHERWISE NOTED ON PLANS.
- REMOVE ALL MISCELLANEOUS TRIM, CASEWORK, EQUIPMENT, CONDUIT, BASES, AND OTHER SURFACE MOUNTED ITEMS WHETHER SHOWN OR NOT, AS REQUIRED TO FACILITATE SCOPE OF WORK. REMOVE AND CAP ALL OUTLETS, SWITCHES, WIRES, THERMOSTATS, ETC. TO THEIR SOURCE AS REQUIRED. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION AND SCOPE OF WORK.
- REMOVE ADJACENT FINISHES AS REQUIRED TO FACILITATE SCOPE OF WORK. PATCH BACK IN KIND.
- EXISTING EQUIPMENT INDICATED TO BE RELOCATED PER NEW PLAN IS TO BE STORED AND PROTECTED DURING CONSTRUCTION.
- NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.
- DIMENSIONS FOR EXISTING BUILDING ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY PRIOR TO START OF CONSTRUCTION.
- REFER TO "HVAC AND POWER UPGRADE PROJECT HAZARDOUS MATERIALS SURVEY REPORT." CONTRACTOR TO ABATE AREAS AFFECTED BY SCOPE OF WORK. REMOVE AND DISPOSE OF MATERIALS PER REPORT RECOMMENDATIONS.

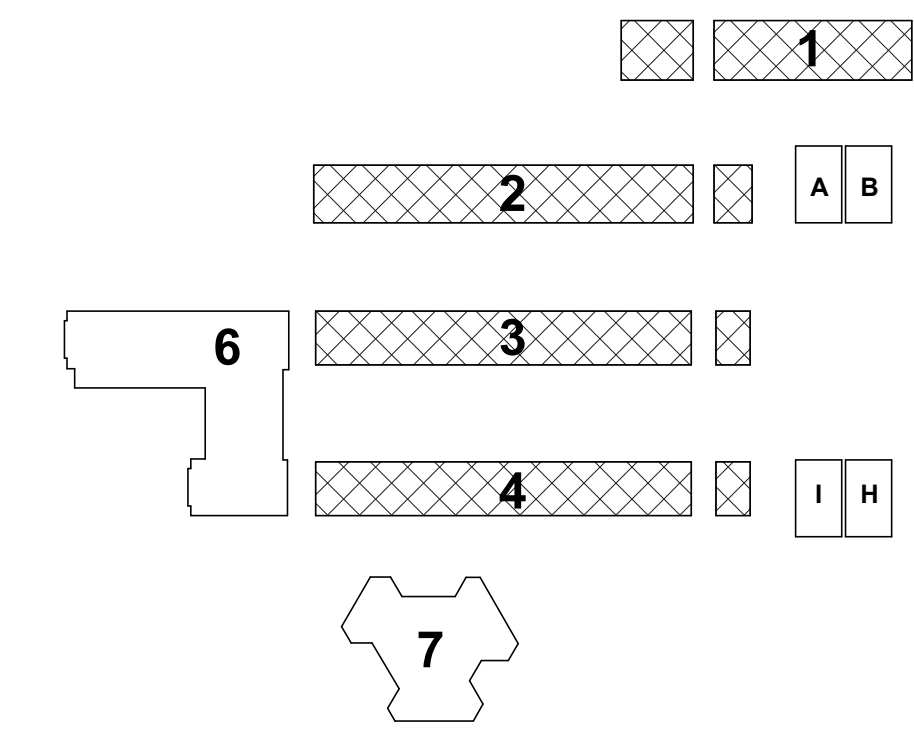
DEMOLITION FLOOR PLAN KEYNOTES

- REMOVE (E) MECHANICAL UNIT AND ENCLOSURE, S.M.D.
- REMOVE (E) 4'x 8' TACK PANEL
- REMOVE (E) CABINET
- SALVAGE (E) 8'x 4' WHITEBOARD AND TURN OVER TO OWNER
- SHORTEN (E) RACEWAY. COORDINATE LENGTH TIGHT TO NEW ENCLOSURE, SEE NEW FLOOR PLANS.
- SALVAGE (E) 36" x 48" TACK PANEL AND TURN OVER TO DISTRICT
- REMOVE PAVING AND PREP FOR NEW WORK, S.M.D.
- REMOVE (E) WINDOW, GLAZING ABOVE AND PREP FOR NEW WORK, S.M.D.
- REMOVE (E) GYP. BD CEILING FOR EXHAUST FAN INSTALLATION, S.M.D.
- REMOVE FIRST SECTION OF CASEWORK, CUT TOP AND BOTTOM SHELF FLUSH TO ADJACENT CASEWORK TO REMAIN, REMOVE SHELVING.

GRAPHIC KEY

- == == EXISTING WALL TO BE DEMOLISHED.
- EXISTING WALL TO REMAIN.
- EXISTING STOREFRONT OR WINDOW TO REMAIN.

BUILDING KEY



aedis
architects

www.aedisarchitects.com
387 S. 1st Street, Suite 300
San Jose, CA 95113
tel: (408)-300-5100
fax: (408)-300-5121

PROJECT

GEORGE HALL
ELEMENTARY
SCHOOL - HVAC
REPLACEMENT

SAN MATEO-FOSTER CITY
SCHOOL DISTRICT

CONSULTANT

STAMP



STATE

DSA FILE NUMBER 41-26
APPL # 01-119523

REVISIONS

No.	Description	Date
1	Addendum 1	11/24/2021

MILESTONES

DD	
90% CD	
DSA SUB	05/21/2021
BACKCHECK	10/04/2021

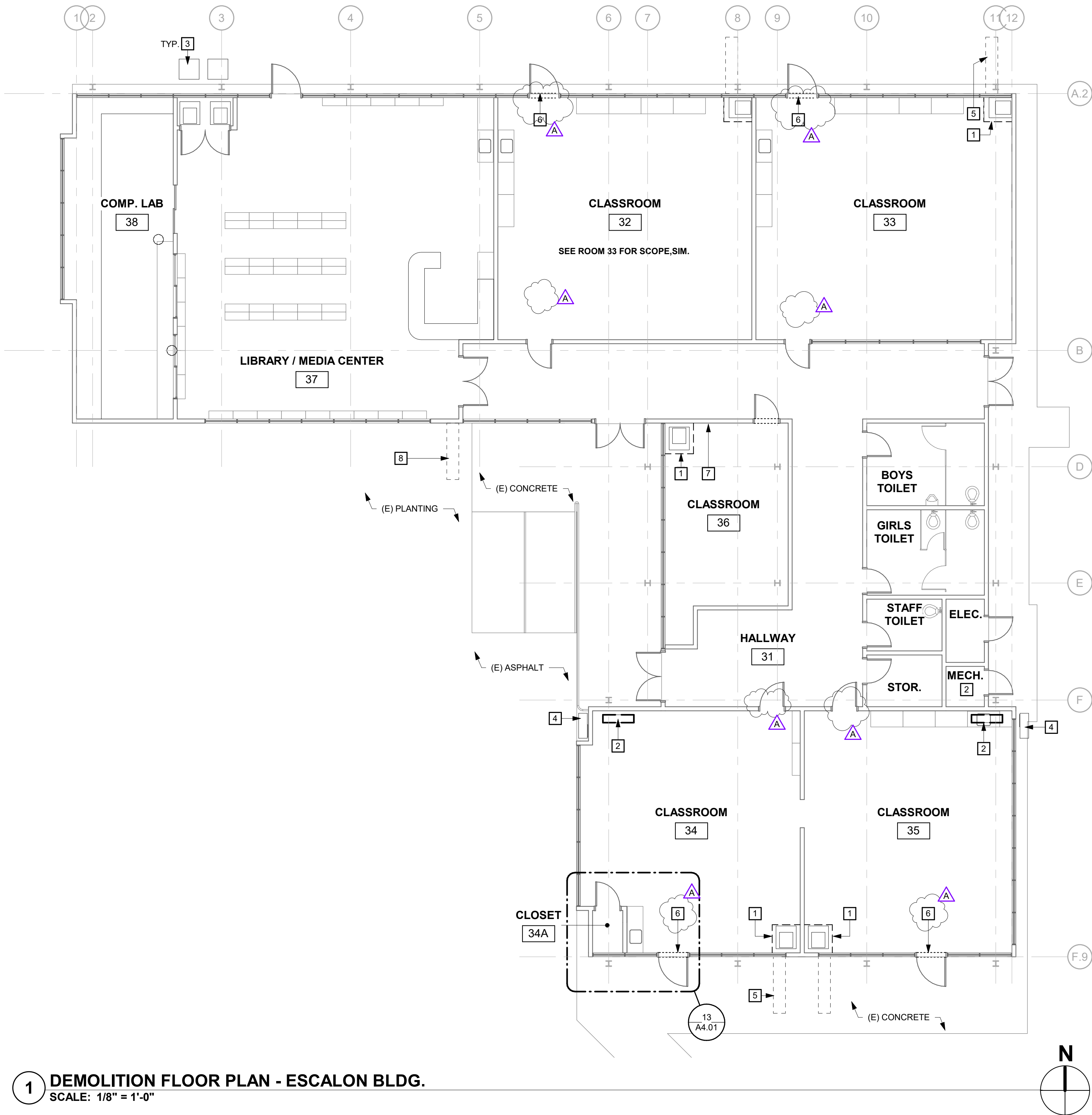
SHEET

DEMOLITION
FLOOR PLANS -
WINGS 1, 2, 3 & 4

DATE 11/24/2021

JOB # 2021005.02

SHEET # AD1-
A2.01



1 DEMOLITION FLOOR PLAN - ESCALON BLDG.
SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

- A ROOM NAMES OR NUMBERS MAY NOT BE CONSISTENT BETWEEN DEMOLITION AND NEW FLOOR PLANS.
- B REFER TO STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR EXTENT OF STRUCTURAL, MECHANICAL, AND ELECTRICAL DEMOLITION WORK.
- C VERIFY LIMITS OF DEMOLITION WITH SCOPE OF NEW WORK PRIOR TO COMMENCING WORK.
- D ALL ITEMS SHOWN DASHED ARE TO BE DEMOLISHED UNLESS OTHERWISE NOTED ON PLANS.
- E REMOVE ALL MISCELLANEOUS TRIM, CASEWORK, EQUIPMENT, CONDUIT, BASES, AND OTHER SURFACE MOUNTED ITEMS WHETHER SHOWN OR NOT, AS REQUIRED TO FACILITATE SCOPE OF WORK. REMOVE AND CAP ALL OUTLETS, SWITCHES, WIRES, THERMOSTATS, ETC. TO THEIR SOURCE AS REQUIRED. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION AND SCOPE OF WORK.
- F REMOVE ADJACENT FINISHES AS REQUIRED TO FACILITATE SCOPE OF WORK. PATCH BACK IN KIND.
- G EXISTING EQUIPMENT INDICATED TO BE RELOCATED PER NEW PLAN IS TO BE STORED AND PROTECTED DURING CONSTRUCTION.
- H NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.
- I DIMENSIONS FOR EXISTING BUILDING ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY PRIOR TO START OF CONSTRUCTION.
- J REFER TO "HVAC AND POWER UPGRADE PROJECT HAZARDOUS MATERIALS SURVEY REPORT." CONTRACTOR TO ABATE AREAS AFFECTED BY SCOPE OF WORK. REMOVE AND DISPOSE OF MATERIALS PER REPORT RECOMMENDATIONS.

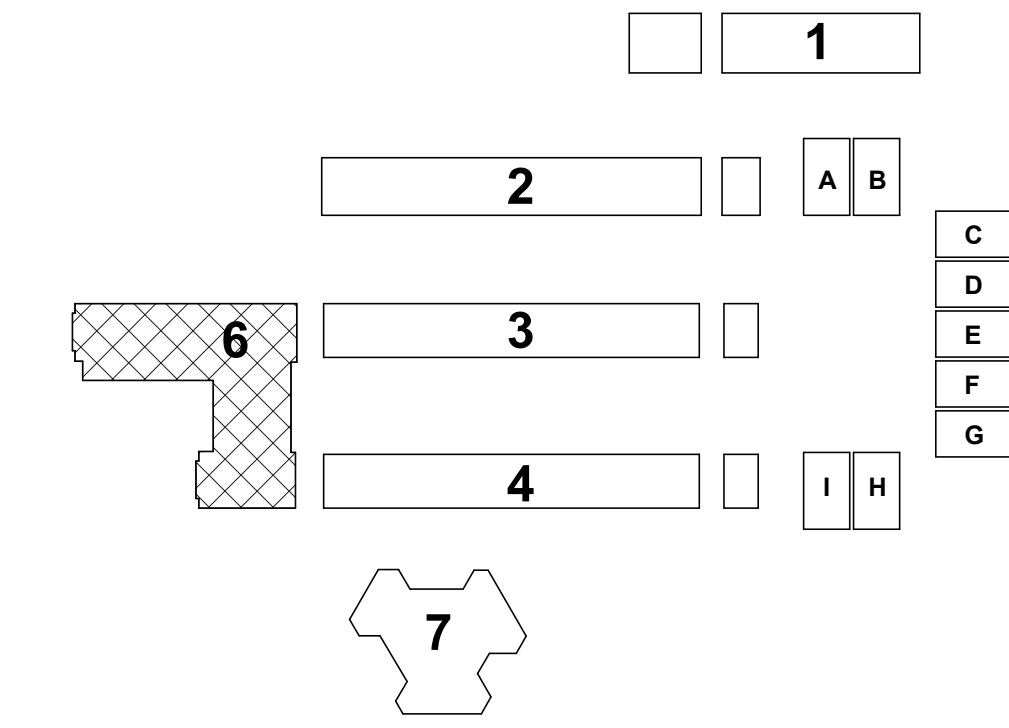
DEMOLITION FLOOR PLAN KEYNOTES

- 1 REMOVE (E) MECHANICAL UNIT AND ENCLOSURE, S.M.D. RECONFIGURE (E) ADJACENT WIREMOLD
- 2 REMOVE (E) MECHANICAL UNIT; PATCH AND PAINT WALL TO MATCH ADJACENT
- 3 (E) EQUIPMENT TO REMAIN, S.M.D.
- 4 REMOVE (E) MECHANICAL UNIT AND ENCLOSURE; PATCH AND PAINT WALL TO MATCH ADJACENT
- 5 REMOVE PAVING AND PREP FOR NEW WORK, S.M.D.
- 6 REMOVE (E) WINDOW GLAZING ABOVE AND PREP FOR NEW WORK, S.M.D.
- 7 SALVAGE (E) TACK PANEL AND PROJECTOR SCREEN, TURN OVER TO DISTRICT
- 8 REMOVE PLANTING AND PREP FOR NEW WORK. DO NOT CUT TREE ROOTS OVER 2" DIA. SEE NEW FLOOR PLAN FOR MORE INFORMATION

GRAPHIC KEY

- EXISTING WALL TO BE DEMOLISHED.
- EXISTING WALL TO REMAIN.
- EXISTING STOREFRONT OR WINDOW TO REMAIN.

BUILDING KEY



aedis architects
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fax: (408)-300-5121

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DSA FILE NUMBER 41-26
APPL # 01-119523

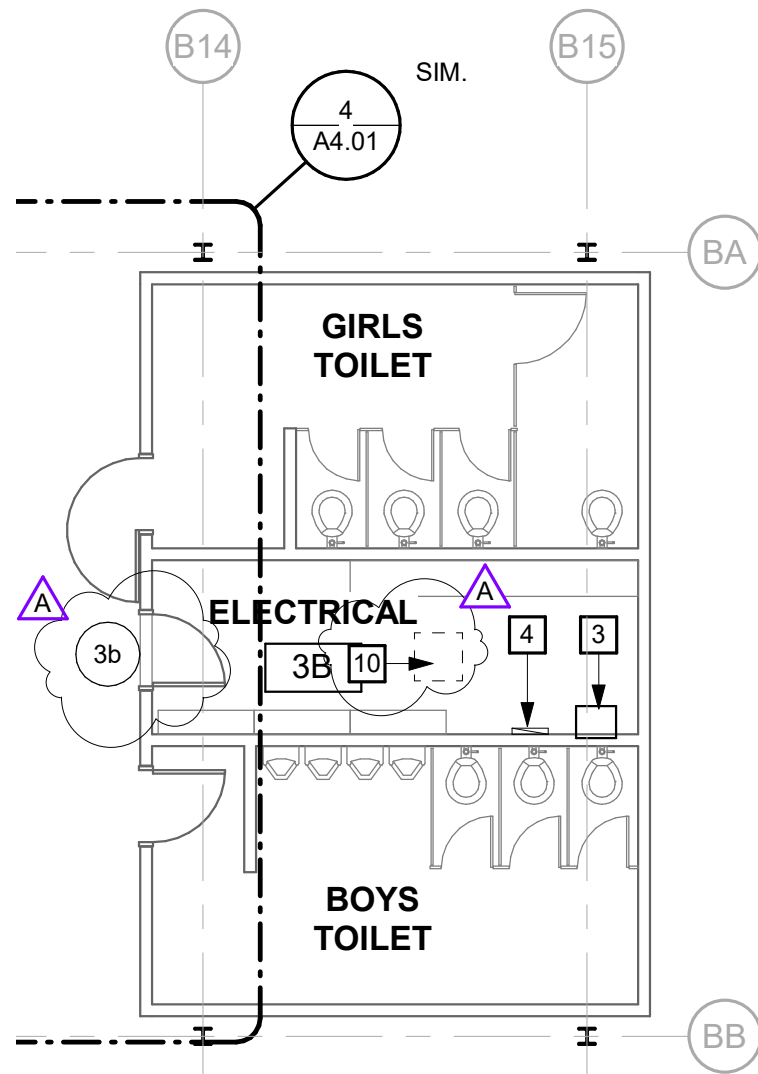
REVISIONS

No.	Description	Date
1	Addendum 1	11/24/2021

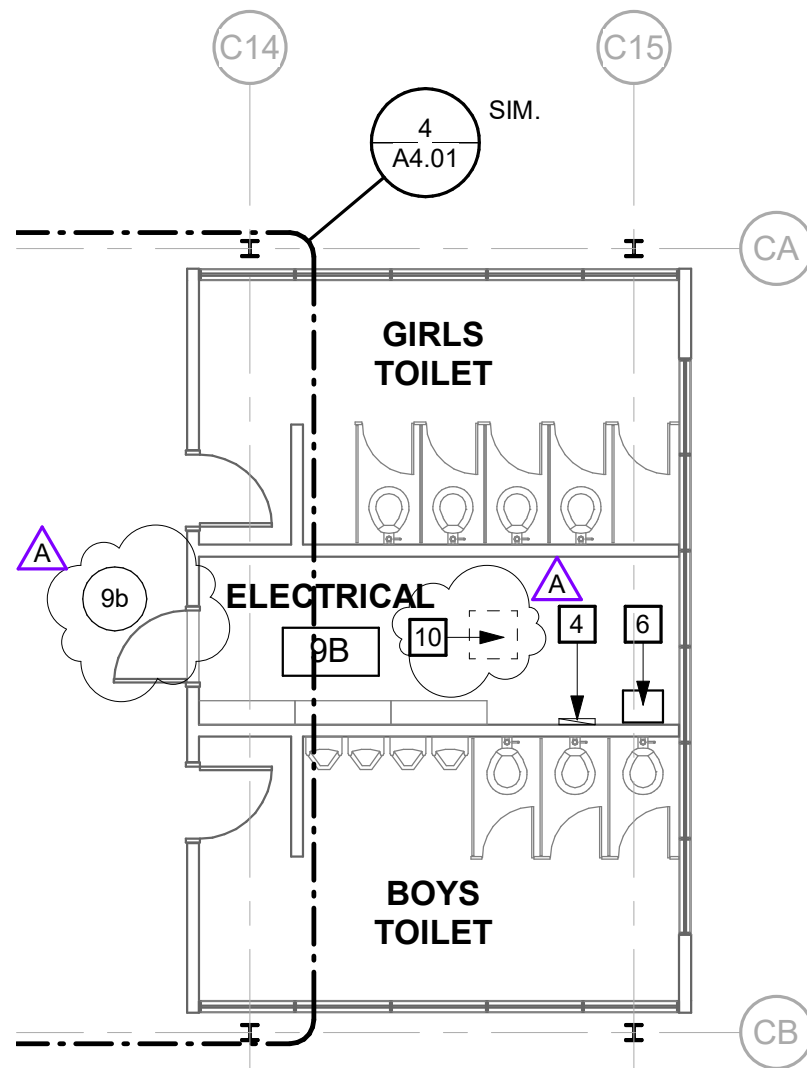
MILESTONES
DD
90% CD
DSA SUB 05/21/2021
BACKCHECK 10/04/2021

SHEET
DEMOLITION
FLOOR PLAN -
ESCALON BLDG.

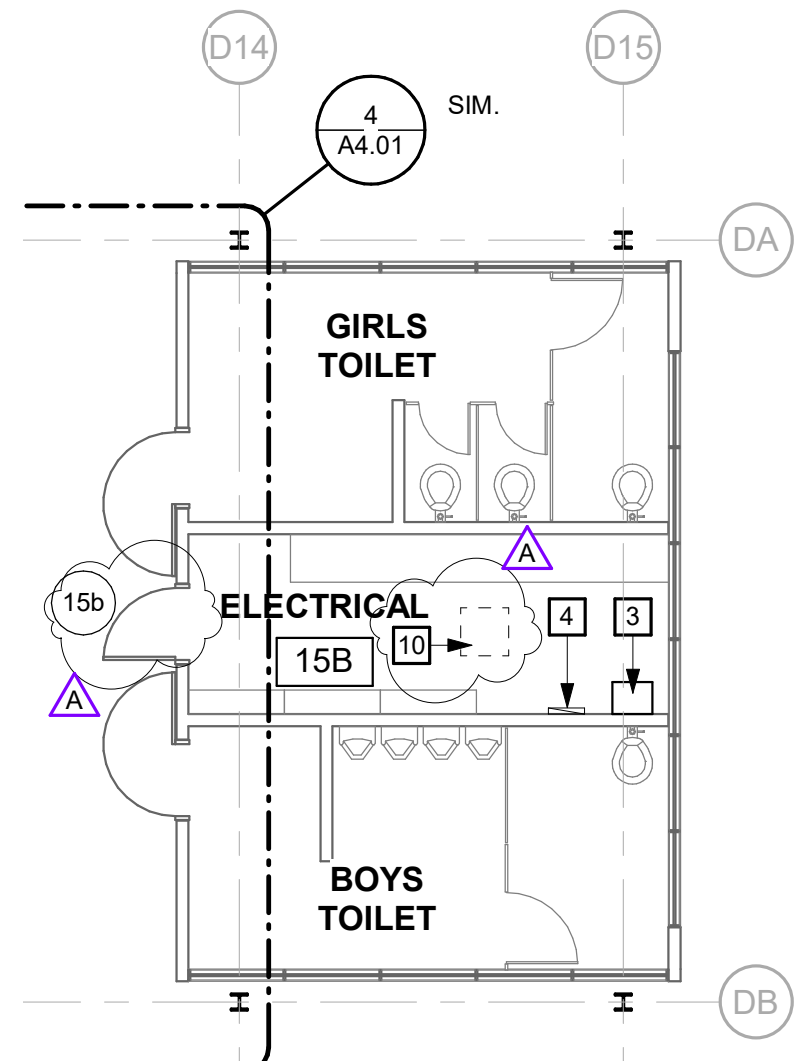
DATE 10/04/2021
JOB # 2021005.02
SHEET # AD1-A2.02



2 NEW FLOOR PLAN - WING 2
SCALE: 1/8" = 1'-0"



3 NEW FLOOR PLAN - WING 3
SCALE: 1/8" = 1'-0"



4 NEW FLOOR PLAN - WING 4
SCALE: 1/8" = 1'-0"

NEW FLOOR PLAN KEYNOTES

- 7 PATCH PAVING AT DRY WELL. SEE 6/A8.10 AND S.M.D.
- 8 PATCH AND PAINT EXTERIOR FACE WHERE FIRST SECTION OF CASEWORK HAS BEEN REMOVED
- 9 REFER TO 5/A4.01 FOR TYPICAL CLASSROOM NEW REFLECTED CEILING PLAN. REMOVE AND REINSTALL (E) ACOUSTICAL CEILING TILES ABOVE AS REQUIRED FOR CONSTRUCTION ACCESS INCLUDING BUT NOT LIMITED TO ELECTRICAL ROUTING, MECHANICAL DUCTWORK ANCHORAGE, BLOCKING FOR ROOFTOP PLATFORMS. DO NOT ALTER SUSPENDED A.C.T. GRID.
- 10 PATCH AND PAINT GYP. BD. CEILING ADJACENT EXHAUST FAN, S.M.D.



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387 S. 1st Street, Suite 300 San Jose, CA., 95113 tel: (408) 300 - 5160 fax: (408) 300 - 5121	FILE NO.:	41-26	SHEET AD1-3.01
	APPL NO.:	01-119523	
	JOB NO.:	2021005.02	
		DATE	11/24/2021

GENERAL SHEET NOTES

- A REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR EXTENT OF MECHANICAL AND ELECTRICAL WORK.
- B SIZE OF MECHANICAL EQUIPMENT PADS ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY REQUIRED PAD DIMENSION WITH EQUIPMENT MANUFACTURER.

PROJECT

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1	Addendum 1	11/24/2021

MILESTONES

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90% CD	
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SHEET

PARTIAL SITE
ROOF PLAN

DATE 10/04/2021

JOB # 2021005.02

SHEET # AD1-
A5.01

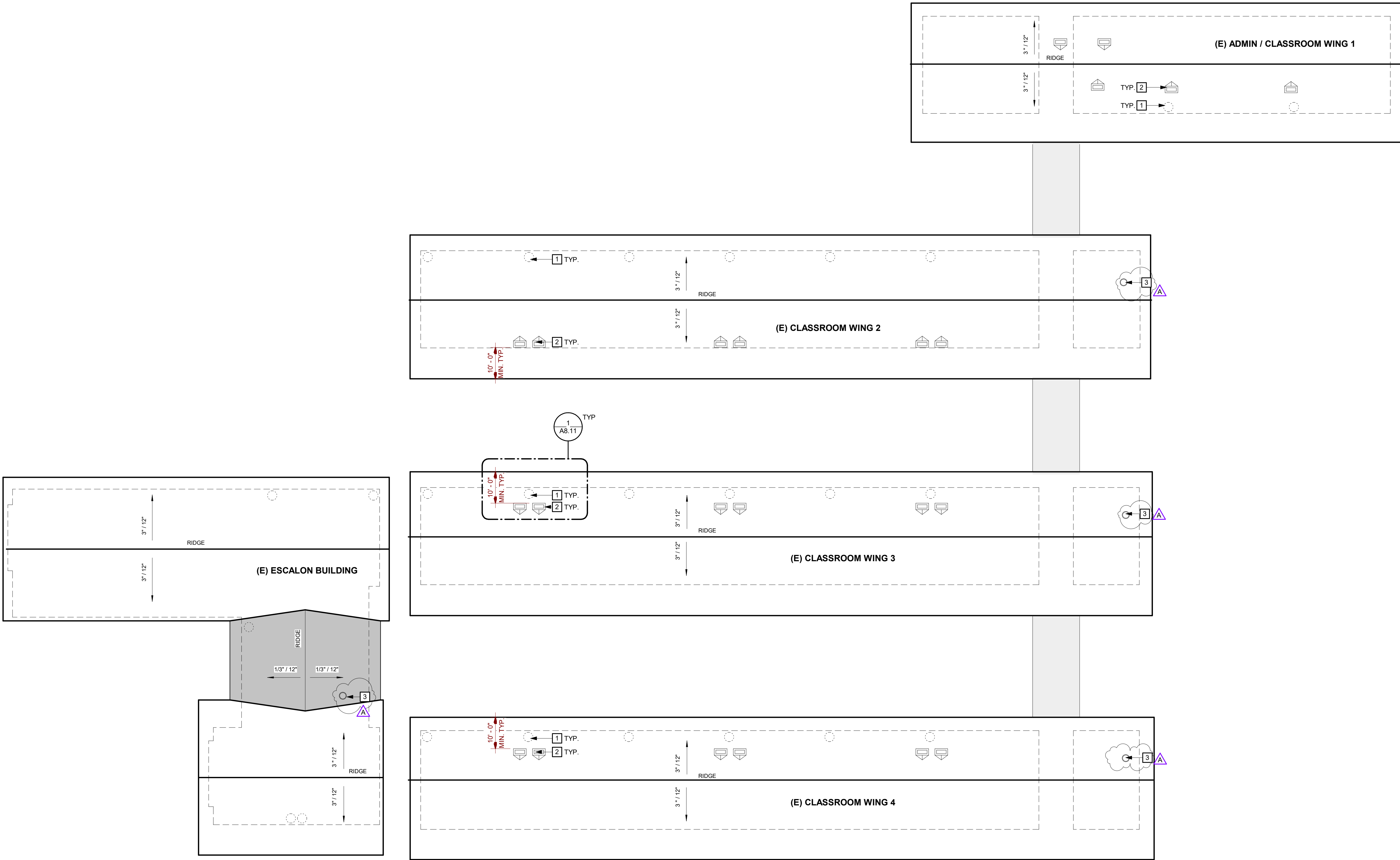
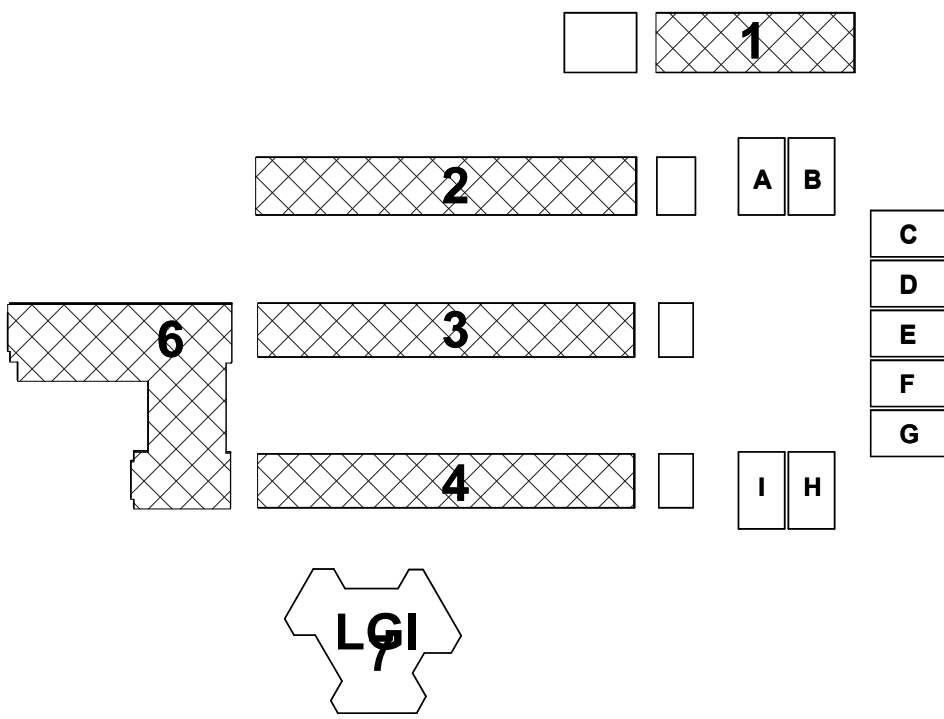
PARTIALSITE ROOF PLAN KEYNOTES

- 1 PATCH (E) PENETRATION AT REMOVED FLUE AND COMBUSTION AIR INTAKE AND PATCH (N) PENETRATIONS. S.M.D. AND SEE DETAIL 17/A8.10
- 2 MECHANICAL UNIT ON PLATFORM WITH CRICKET. S.M.D. AND SEE DETAIL 19/A8.10. REMOVE (E) ROOFING TO SUBSTRATE FOR CONSTRUCTION ACCESS.
- 3 EXHAUST FAN SEE 10/A8.10 SIM. S.M.D. REMOVE (E) ROOFING TO SUBSTRATE AND PREP OPENING AS REQUIRED FOR NEW WORK.

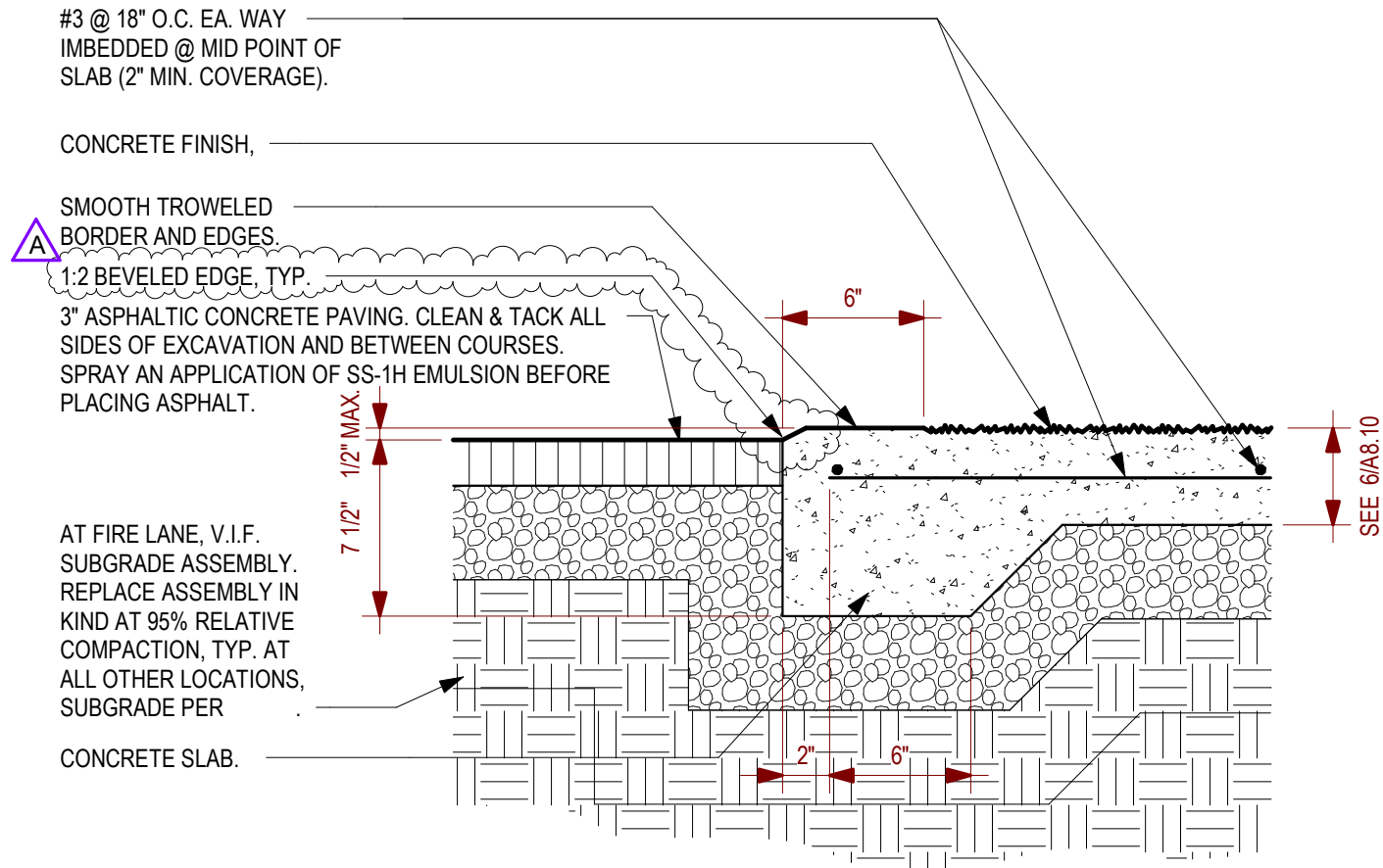
GRAPHIC KEY

- (E) ASPHALT SHINGLE, CLASS C MINIMUM
- (E) TPO SINGLE PLY ROOFING, CLASS C MINIMUM
- (E) MINERAL CAP SHEET, CLASS C MINIMUM
- OUTLINE OF WALL BELOW.

BUILDING KEY




1 PARTIAL SITE ROOF PLAN
SCALE: 1/16" = 1'-0"



9 ASPHALT/CONCRETE JOINT

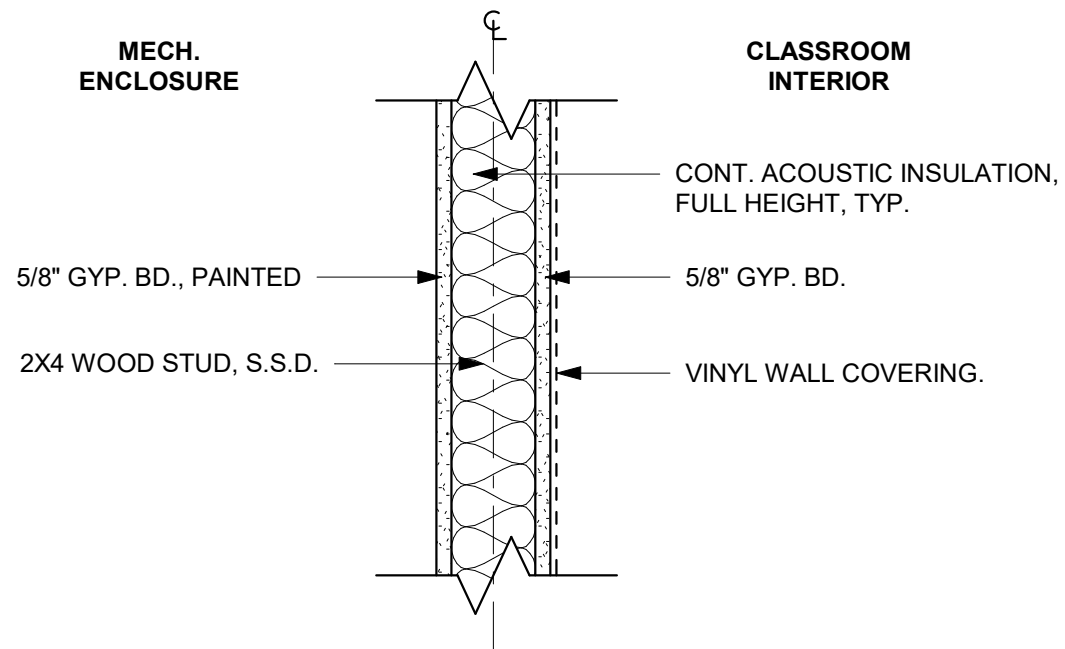
SCALE: 1 1/2" = 1'-0"



		GEORGE HALL ELEMENTARY SCHOOL - HVAC REPLACEMENT SAN MATEO FOSTER CITY SCHOOL DISTRICT	
		FILE NO.: 41-26 APPL NO.: 01-119523 JOB NO.: 2021005.02 DATE: 11/24/2021	SHEET AD1-A8.10

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San Jose, CA., 95113

tel: (408) 300 - 5160
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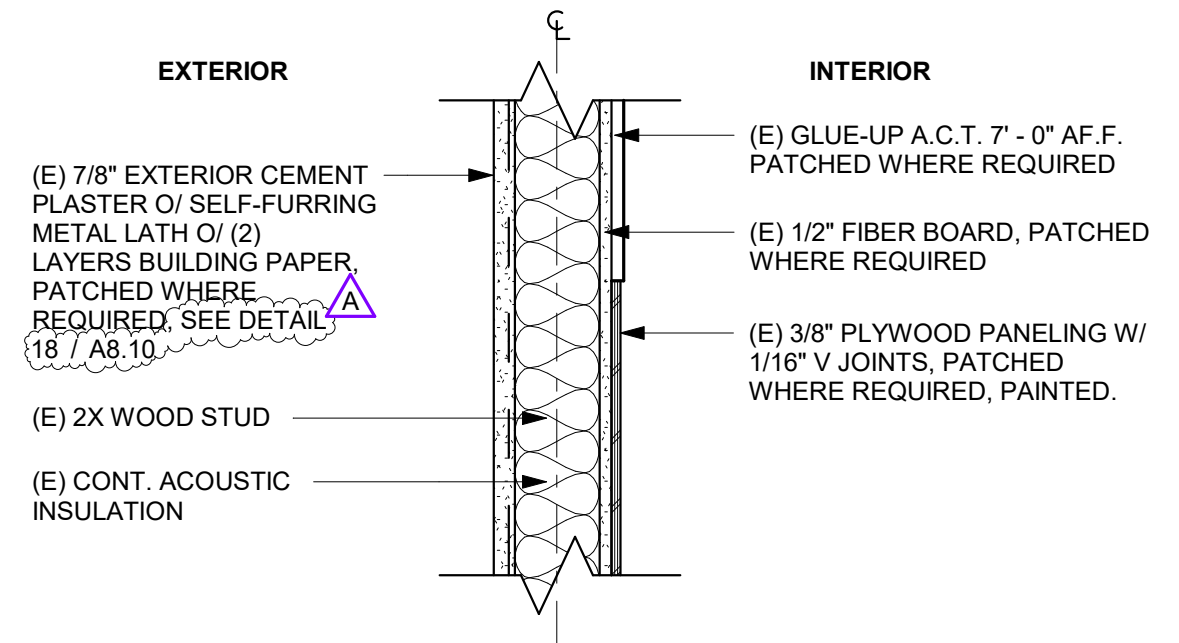
A

NOTE:
SEE DETAIL 6/A9.10 FOR TYPICAL SOUND TREATED NONRATED WALL.

1

WALL TYPE - MECHANICAL ENCLOSURE

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



ADDITIONAL WALL TYPES


5A - REPLACE (E) GLUE-UP A.C.T., (E) 3/8" PLYWOOD PANELING, AND (E) 1/2" FIBER BOARD WITH (E) 5/8" GYP. BD. AT INTERIOR.

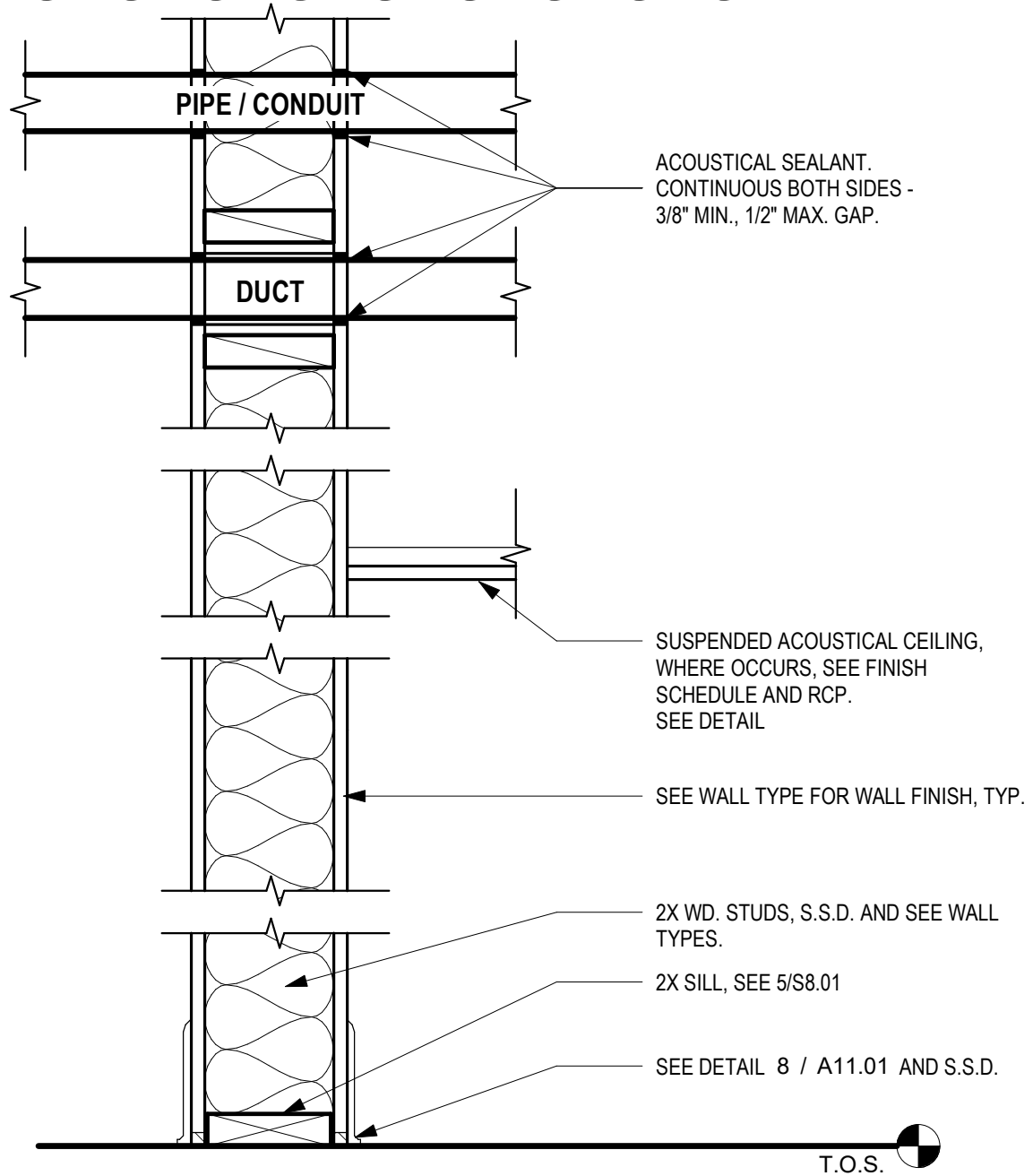
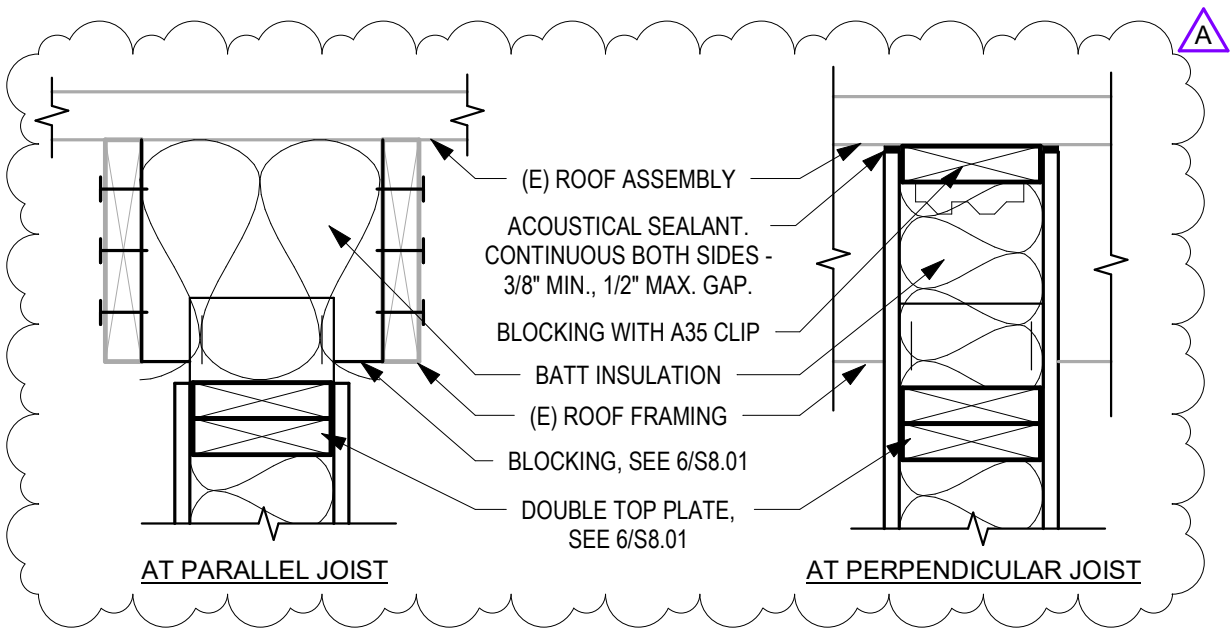
5

WALL TYPE - CEMENT PLASTER / GLUE-UP ACT

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



<div></div> <div>387 S. 1st Street, Suite 300 San Jose, CA., 95113</div> <div>tel: (408) 300 - 5160 fax: (408) 300 - 5121</div>		GEORGE HALL ELEMENTARY SCHOOL - HVAC REPLACEMENT	
		SAN MATEO-FOSTER CITY SCHOOL DISTRICT	
		FILE NO.: 41-26	SHEET AD1-A9.10A
		APPL NO.: 01-119523	
JOB NO. 2021005.02			
		DATE 11/24/2021	



- NOTES:**
- FOR RECESSED ACCESSORIES OR CABINETS, PROVIDE BLOCKING, GYPSUM BOARD AND ACOUSTICAL SEALANT SIMILAR TO DETAIL AT DUCT.

6 TYPICAL SOUND TREATED NONRATED WALL

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

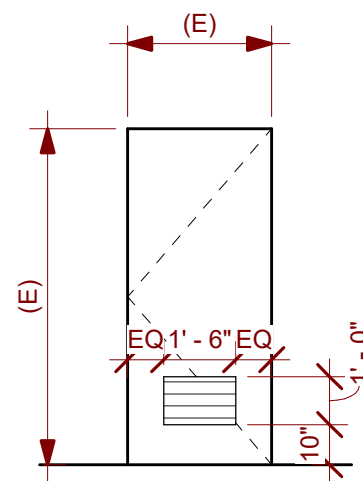


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		SAN MATEO-FOSTER CITY SCHOOL DISTRICT	
FILE NO.:	41-26	SHEET	
APPL NO.:	01-119523	AD1-A9.10B	
JOB NO.	2021005.02		
DATE	11/24/2021		

387 S. 1st Street, Suite 300
San Jose, CA., 95113

tel: (408) 300 - 5160
fax: (408) 300 - 5121

DOOR SCHEDULE												
DOOR ID	OPENING SIZE		DOOR		FRAME		DETAILS				HARDWARE GROUP	COMMENTS
	WIDTH	HEIGHT	TYPE	FINISH	TYPE	FINISH	HEAD	JAMB-1	JAMB-2	SILL		
1a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
2a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
3a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
3b	3' - 0"	7' - 0"	B	-	-	-	-	-	-	-	-	1
4a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
5a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
6a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
7a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
8a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
9a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
9b	3' - 0"	7' - 0"	B	-	-	-	-	-	-	-	-	1
10a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
11a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
12a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
13a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
14a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
15a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
15b	3' - 0"	7' - 0"	B	-	-	-	-	-	-	-	-	1
16a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
17a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
18a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
19a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
20a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
32a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
33a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
34a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
35a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	
36a	2' - 6"	7' - 0"	A	P-2	F1	P-3	11/A11.01	11/A11.01	11/A11.01	3/A11.01	01	



B

SCALE: 1/4" = 1'-0"

1 PROVIDE NEW LOUVER AT EXISTING DOOR. CUT AND PREP AS REQUIRED. PAINT LOUVER TO MATCH DOOR



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AD1-A11.01

AD1-A11.01

SPLIT SYSTEM AIR CONDITIONERS SCHEDULE																		
TAG	MANUFACTURER	MODEL	WING / BUILDING	LOCATION	COOLING	HEATING	AIRFLOW CFM	REFRIGERANT PIPING		SEER	ELECTRICAL			WEIGHT LBS	MOUNTING DETAIL	NOTES		
					TOTAL MBH	TOTAL MBH		LIQUID	GAS		V / PH	MCA	MOCP					
SSO-1	SAMSUNG	AR24TSFYBWKCVCV	WING 1	ROOF	22	24	—	1/4"	5/8"	18	208 / 1	20	30	125	2/MP6.01			
SSI-1	SAMSUNG	AR24TSFYBWKCVCV		KITCHEN			657	1/4"	5/8"	—	NOTE 1			30	3/MP6.01	2, 3, 4, 5		
SSO-2	SAMSUNG	AR09TSFYBWKCVCV	WING 1	ROOF	9	11	—	1/4"	3/8"	23.5	208 / 1	12	20	70	2/MP6.01			
SSI-2	SAMSUNG	AR09TSFYBWKCVCV		PSYCH 2A			371	1/4"	3/8"	—	NOTE 1			25	3/MP6.01	2, 3, 4, 5		
SSO-3	SAMSUNG	AR24TSFYBWKCVCV	WING 1	ROOF	22	NOTE 6	—	1/4"	5/8"	18	208 / 1	20	30	125	2/MP6.01			
SSI-3	SAMSUNG	AR24TSFYBWKCVCV		ELECTRICAL ROOM			657	1/4"	5/8"	—	NOTE 1			30	3/MP6.01	2, 3, 4, 5		

- INDOOR UNITS ARE POWERED BY OUTDOOR UNIT.
- PROVIDE WITH WALL MOUNTING BRACKET.
- PROVIDE WITH SAMSUNG WALL MOUNTED THERMOSTAT.

- PROVIDE WITH BAGNET INTERFACE CARD. SEE MP6.01 FOR CONTROLS.
- PROVIDE WITH CONDENSATE PUMP.
- LOCK OUT HEATING.

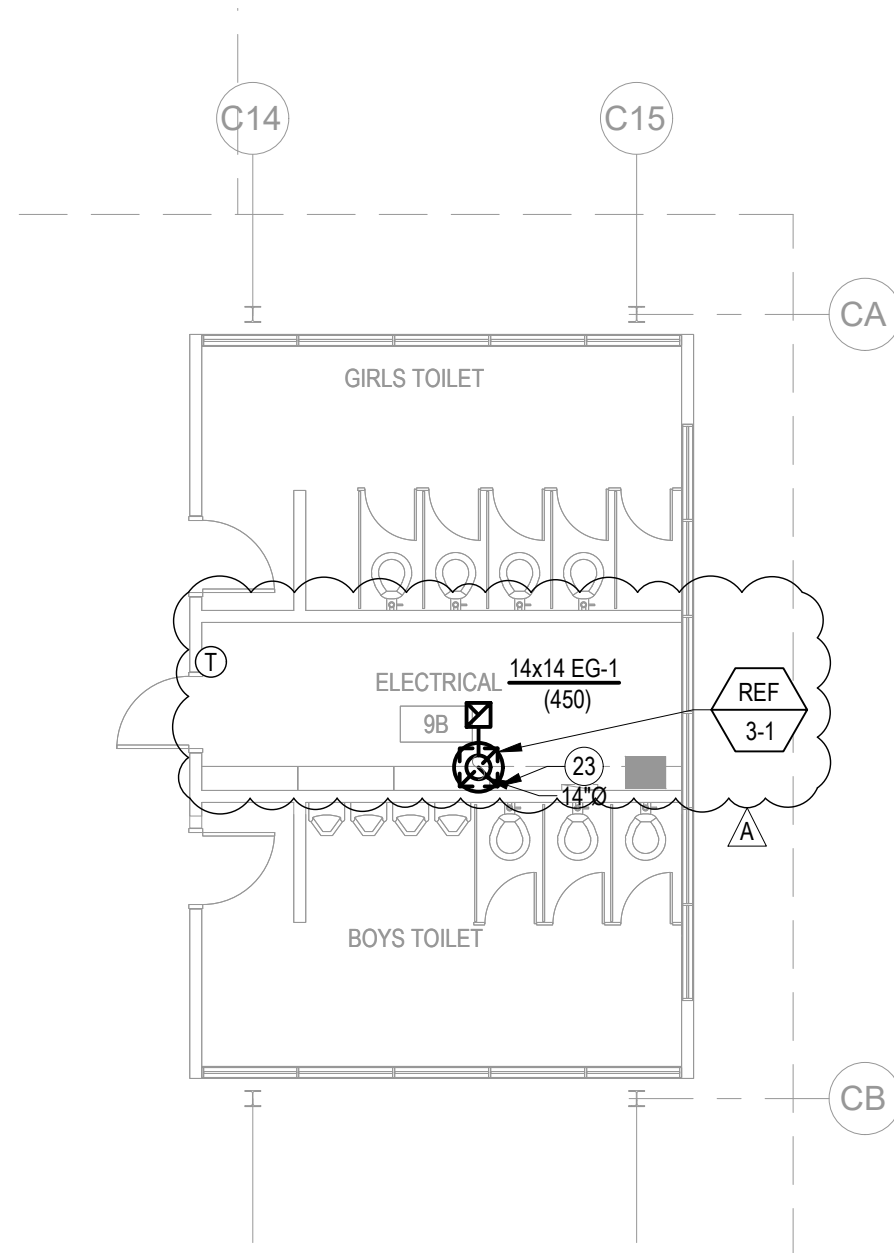
AIR DISTRIBUTION SCHEDULE						
TAG	MANUFACTURER	MODEL NO.	DESCRIPTION	BORDER TYPE	MOUNTING DETAIL	NOTES
HSS-1	TITUS	S30FL	HIGH SIDEWALL SUPPLY	TYPE 1	12/MP6.01	1, 2, 4
HSS-2	TITUS	300RL	HIGH SIDEWALL SUPPLY	TYPE 1	13/MP6.01	1, 2
HSR-1	TITUS	350RL	HIGH SIDEWALL RETURN	TYPE 1	13/MP6.01	2, 3
RG-1	TITUS	30RL	RELIEF GRILLE	TYPE 1	10/MP6.01	2, 5
EG-1	TITUS	8R	EXHAUST GRILLE	LAY-IN	17/MP6.01	2

- SET BLADES AT 22.5° DEFLECTION.
- PRIME AND PAINT PER ARCHITECT'S INSTRUCTIONS. REGISTER COLOR SELECTED BY ARCHITECT.
- PROVIDE WITH ARSAN COMPACT DUCT SILENCER.
- PROVIDE WITH ASD AIR SCOOP DEVICE.
- CONTRACTOR TO FIELD VERIFY (E) DIMENSIONS PRIOR TO ORDERING.

ROOF EXHAUST FANS SCHEDULE												
TAG	MANUFACTURER	MODEL NO.	AREA SERVED	AIRFLOW CFM	ESP IN. W.G.	FAN RPM	SOUND POWER SONES	MOTOR		WEIGHT LBS	MOUNTING DETAIL	NOTES
								HP / WATTS	V / PH			
REF-2-1	GREENHECK	G-08B-VG	ELEC. RM 3B	450	0.25	1125	6.0	1/4	115 / 1	45	16/MP6.01	1, 2
REF-3-1	GREENHECK	G-08B-VG	ELEC. RM 9B	450	0.25	1125	6.0	1/4	115 / 1	45	16/MP6.01	1, 2
REF-4-1	GREENHECK	G-08B-VG	ELEC. RM 15B	450	0.25	1125	6.0	1/4	115 / 1	45	16/MP6.01	1, 2
REF-E-1	GREENHECK	G-070-VG	ELEC	250	0.25	1479	4.1	1/15	115 / 1	45	16/MP6.01	1, 2

- PROVIDE WITH UL LISTING, FAN MOUNTED SPEED CONTROL, BACKDRAFT DAMPER, BIRDSCREEN, AND ROOF CURB.
- PROVIDE WITH LINE VOLTAGE TSTAT.

CLASSROOM SPLIT SYSTEM HEAT PUMPS SCHEDULE																			
TAG	MANUFACTURER	MODEL	BUILDING / WING	LOCATION	COOLING	HEATING	AIRFLOW	OUTSIDE	REFRIGERANT	PIPING	SEER	HSPF	ELECTRICAL			WEIGHT	MOUNTING	NOTES	
					TOTAL MBH	TOTAL MBH	CFM	AIR CFM	LIQUID	GAS			V / PH	MCA	MOCP				LBS
FC-1	SAMSUNG	AM054TNZDCHAA	WING 1	CLASSROOM 1	53	61	1600	450	3/8"	3/4"	-	-	208/1	2.6	15	164	15	2, 3, 4, 6, 7	
HP-1	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	50	1	
FC-2	SAMSUNG	AM054TNZDCHAA		CLASSROOM 2	53	61	1600	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-2	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	3/MP6.01	1	
FC-3	SAMSUNG	AM054TNZDCHAA	WING 2	CLASSROOM 3	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-3	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	3/MP6.01	1	
FC-4	SAMSUNG	AM054TNZDCHAA		CLASSROOM 4	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-4	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	3/MP6.01	1	
FC-5	SAMSUNG	AM054TNZDCHAA	WING 2	CLASSROOM 5	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-5	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	3/MP6.01	1	
FC-6	SAMSUNG	AM054TNZDCHAA		CLASSROOM 6	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-6	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	3/MP6.01	1	
FC-7	SAMSUNG	AM054TNZDCHAA	WING 2	CLASSROOM 7	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-7	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	3/MP6.01	1	
FC-8	SAMSUNG	AM054TNZDCHAA		CLASSROOM 8	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-8	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	3/MP6.01	1	
FC-9	SAMSUNG	AM054TNZDCHAA	WING 3	CLASSROOM 9	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-9	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	3/MP6.01	1	
FC-10	SAMSUNG	AM054TNZDCHAA		CLASSROOM 10	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-10	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	3/MP6.01	1	
FC-11	SAMSUNG	AM054TNZDCHAA	WING 3	CLASSROOM 11	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-11	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	3/MP6.01	1	
FC-12	SAMSUNG	AM054TNZDCHAA		CLASSROOM 12	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-12	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	3/MP6.01	1	
FC-13	SAMSUNG	AM054TNZDCHAA	WING 3	CLASSROOM 13	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-13	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	3/MP6.01	1	
FC-14	SAMSUNG	AM054TNZDCHAA		CLASSROOM 14	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-14	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	3/MP6.01	1	
FC-15	SAMSUNG	AM054TNZDCHAA	WING 4	CLASSROOM 15	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-15	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	3/MP6.01	1	
FC-16	SAMSUNG	AM054TNZDCHAA		CLASSROOM 16	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-16	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	3/MP6.01	1	
FC-17	SAMSUNG	AM054TNZDCHAA	WING 4	CLASSROOM 17	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-17	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	3/MP6.01	1	
FC-18	SAMSUNG	AM054TNZDCHAA		CLASSROOM 18	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-18	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	3/MP6.01	1	
FC-19	SAMSUNG	AM054TNZDCHAA	WING 4	CLASSROOM 19	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-19	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	3/MP6.01	1	
FC-20	SAMSUNG	AM054TNZDCHAA		CLASSROOM 20	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-20	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	3/MP6.01	1	
FC-32	SAMSUNG	AM054TNZDCHAA	ESCALON BLDG	CLASSROOM 32	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-32	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	15/MP6.01	1	
FC-33	SAMSUNG	AM054TNZDCHAA		CLASSROOM 33	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-33	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	15/MP6.01	1	
FC-34	SAMSUNG	AM054TNZDCHAA		CLASSROOM 34	53	61	1155	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-34	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	15/MP6.01	1	
FC-35	SAMSUNG	AM054TNZDCHAA		CLASSROOM 35	53	61	900	450	3/8"	3/4"	-	-	208/1	2.6	15	164	1/MP6.01	2, 3, 4, 6, 7	
HP-35	SAMSUNG	AM053TXMDCHAA		ROOF			-	-	3/8"	3/4"	17.5	10	208 / 1	34	50	212	15/MP6.01	1	
FC-36	SAMSUNG	AC024KNZDCHAA	ESCALON BLDG	CLASSROOM 36	24	27	760	150	1/4"	5/8"	Δ	-	NOTE 8			100	1/MP6.01	2, 3, 4, 5, 6, 7, 8	
HP-36	SAMSUNG	AM024XADCHAA		ROOF			-	-	1/4"	5/8"	17.5	10	208 / 1	34	50	145	15/MP6.01	1	



- GENERAL NOTES**
- PAINT ALL EXPOSED DUCTWORK, SUPPORTS, AND REGISTERS TO MATCH ADJACENT.
 - PAINT CONDENSATE PIPING AT EXTERIOR OF BUILDING TO MATCH ADJACENT.

- # NEW SHEET NOTES**
- INSTALL EXHAUST FAN ON ROOF.

3 PARTIAL FLOOR PLAN - WING 3 - NEW - MECHANICAL & PLUMBING
 MP2.03 SCALE: 1/8" = 1'-0"



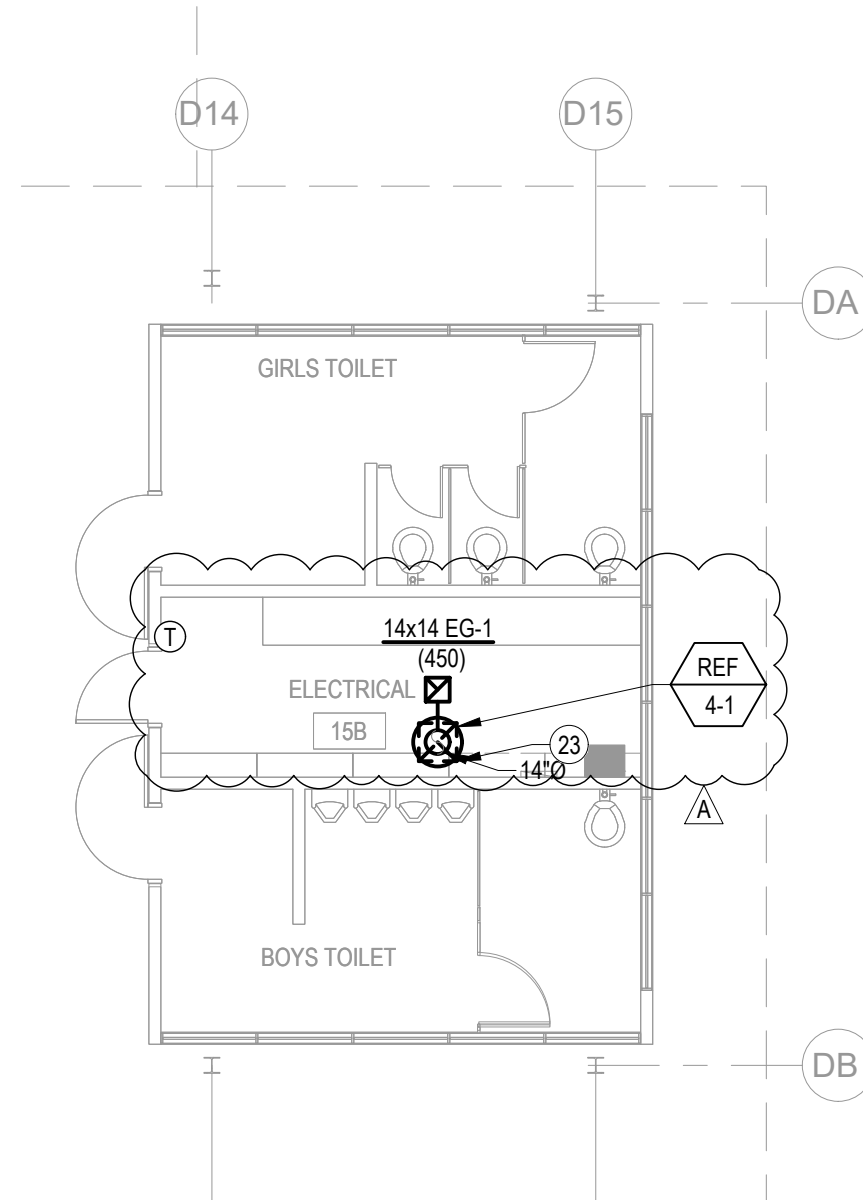
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		FILE NO.: 41-26 APPL NO.: 01-119523 JOB NO.: 2021005.02 DATE: 11/19/2021	SHEET REF. SHEET MP2.03 AD1-MP2.03a
387 S. 1st Street, Suite 300 San Jose, CA., 95113		tel: (408) 300 - 5160 fax: (408) 300 - 5121	



NEW SHEET NOTES

23. INSTALL EXHAUST FAN ON ROOF.

4
MP2.03

PARTIAL FLOOR PLAN - WING 4 - NEW - MECHANICAL & PLUMBING

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



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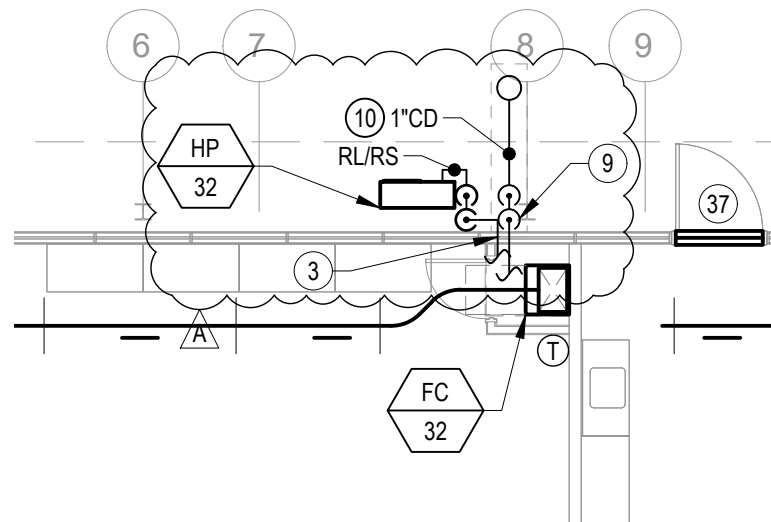
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GEORGE HALL ELEMENTARY SCHOOL -
HVAC REPLACEMENT

SAN MATEO-FOSTER CITY SCHOOL DISTRICT

FILE NO.: 41-26
APPL NO.: 01-119523
JOB NO.: 2021005.02
DATE 11/19/2021

SHEET
REF. SHEET MP2.03
AD1-MP2.03b



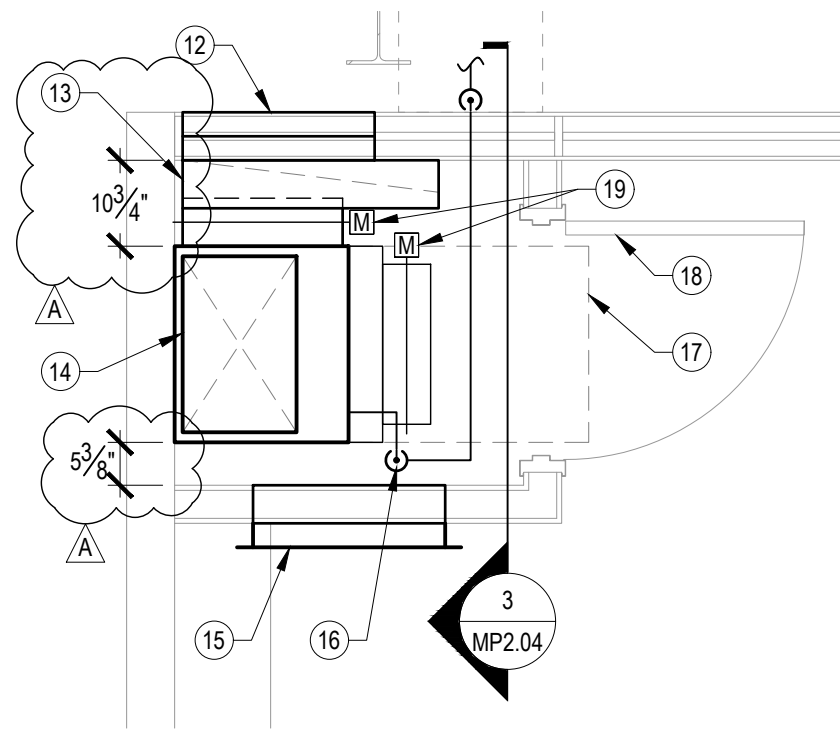
- GENERAL NOTES**
4. PAINT ALL EXPOSED DUCTWORK, SUPPORTS, AND REGISTERS TO MATCH ADJACENT.
 5. PAINT CONDENSATE PIPING AT EXTERIOR OF BUILDING TO MATCH ADJACENT.

1

MP2.04

PARTIAL FLOOR PLAN - ESCALON BLDG - NEW - MECHANICAL & PLUMBING

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



2

MP2.04

FLOOR PLAN - ENCLOSURE

SCALE: NONE



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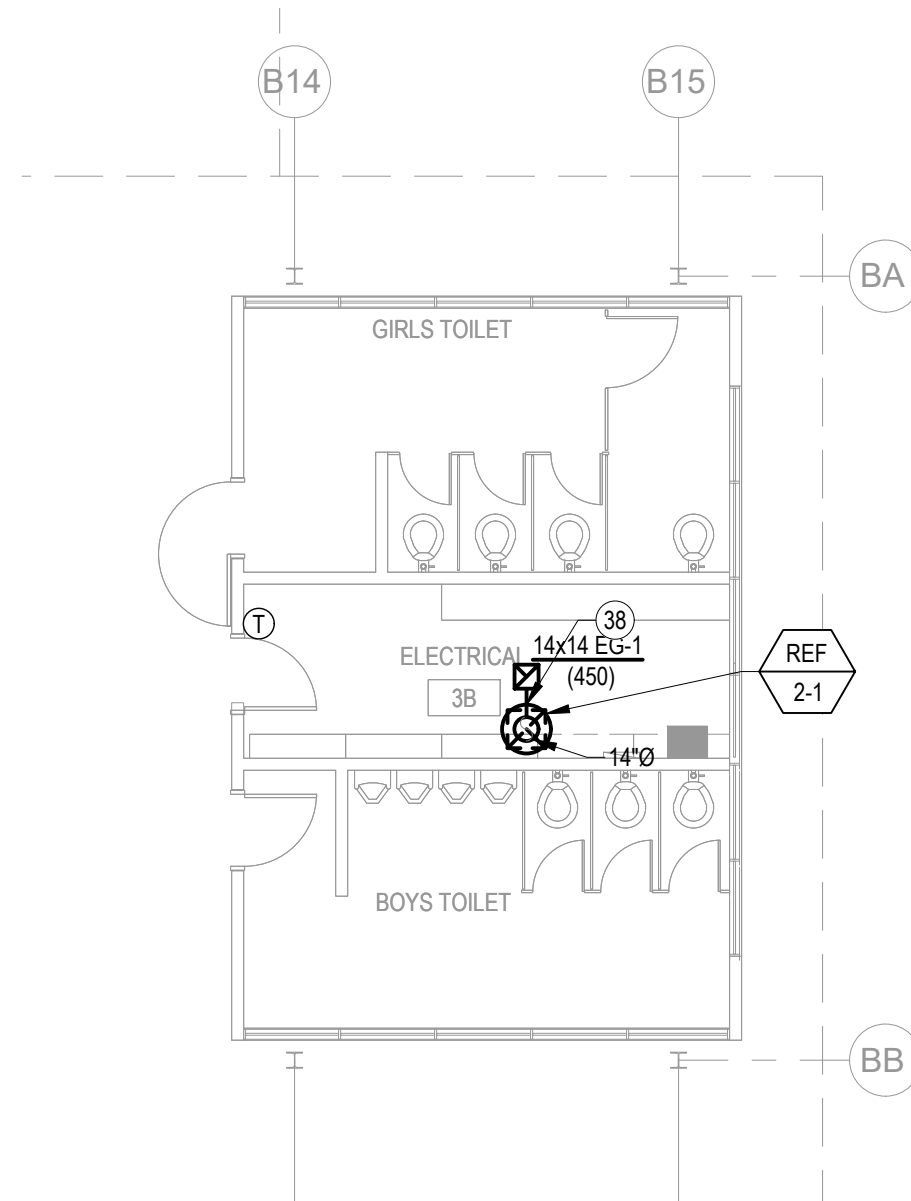
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		APPL NO.: 01-119523	
		JOB NO.: 2021005.02	
DATE 11/19/2021			

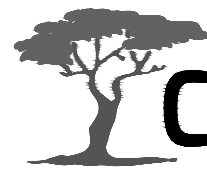


NEW SHEET NOTES

38. INSTALL EXHAUST FAN ON ROOF.

5 PARTIAL FLOOR PLAN - WING 2 - NEW - MECHANICAL & PLUMBING

AD1-MP2.04 SCALE: 1/8" = 1'-0"




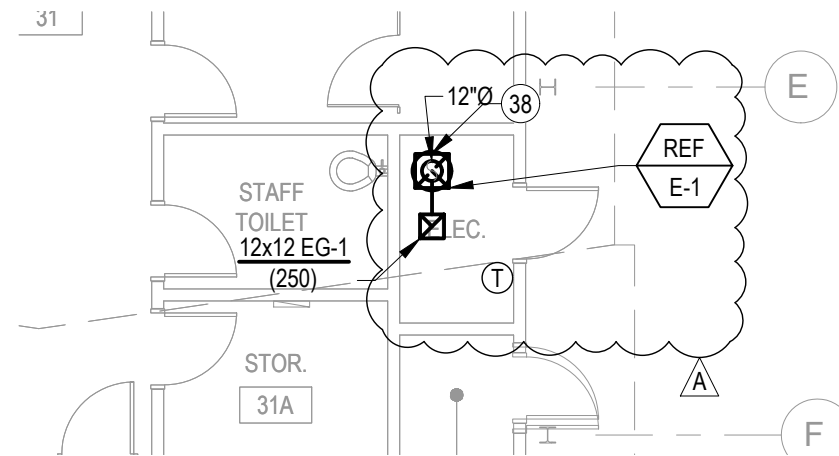
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		JOB NO. 2021005.02	AD1-MP2.04b
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5
MP2.04

PARTIAL FLOOR PLAN - ESCALON BLDG - NEW - MECHANICAL & PLUMBING

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

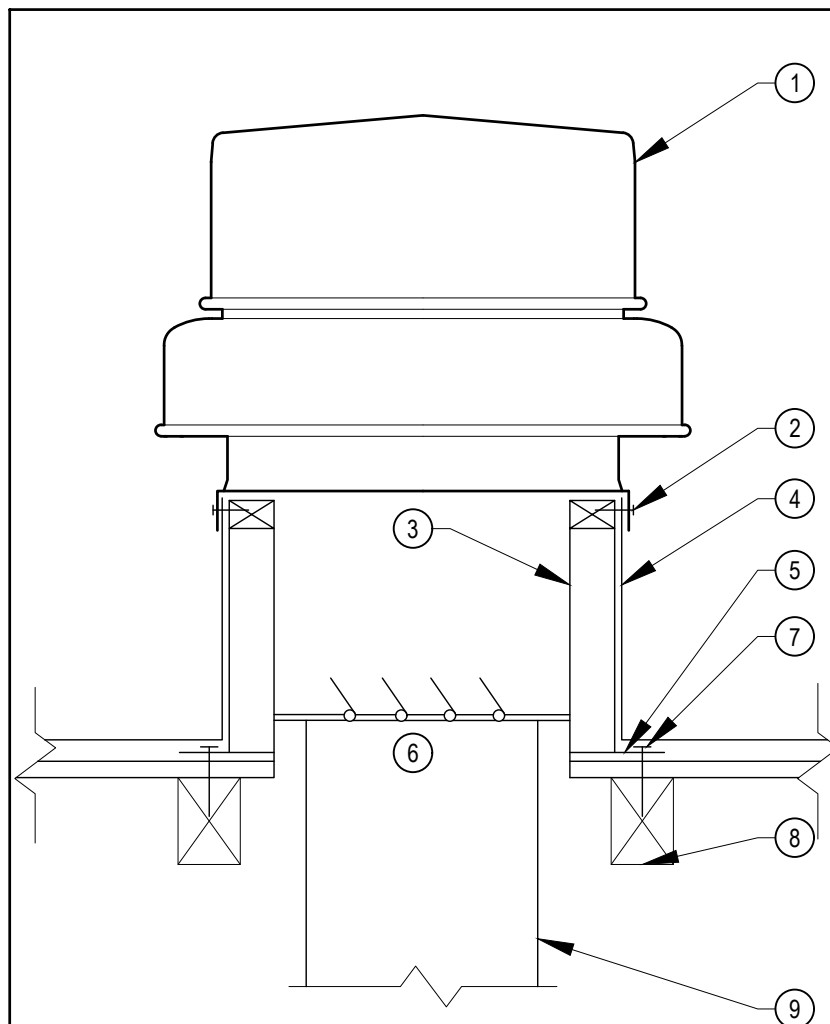


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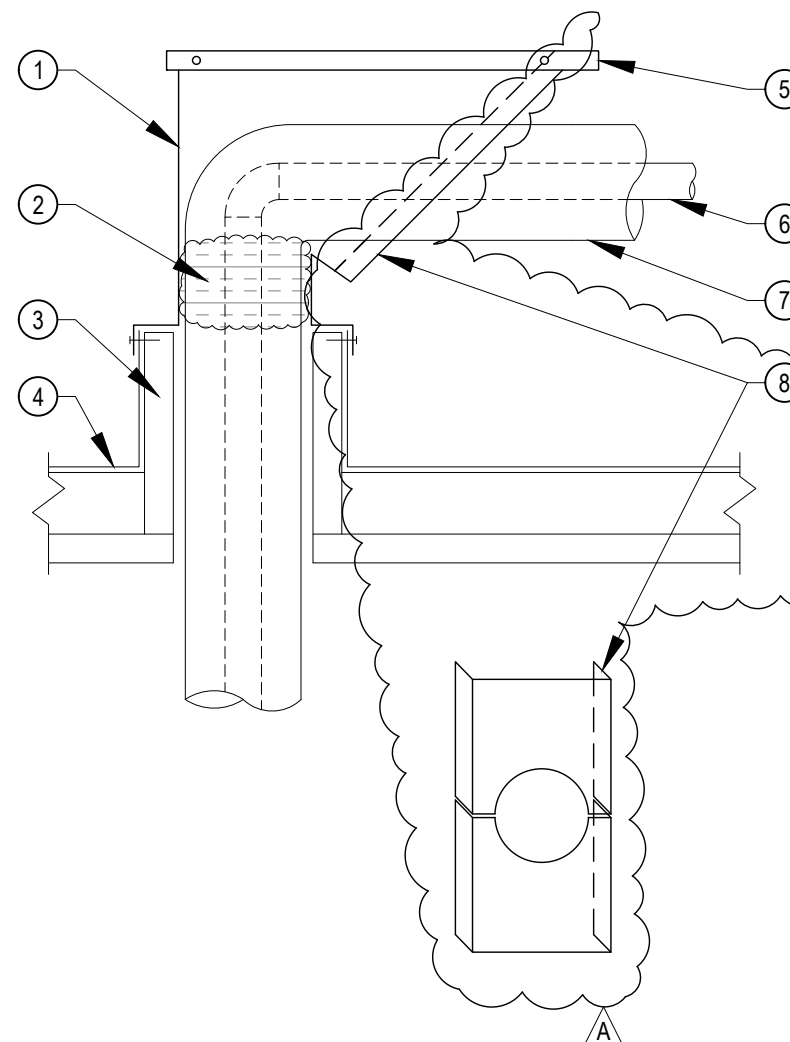
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		FILE NO.: 41-26	SHEET
		APPL NO.: 01-119523	REF. SHEET MP2.04
		JOB NO. 2021005.02	AD1-MP2.04c
		DATE 11/19/2021	



- **DETAIL NOTES:**
1. EXHAUST FAN.
 2. SECURE TO ROOF CURB WITH #12 SELF TAPPING SCREWS AT 12" ON CENTER. MINIMUM 2 PER SIDE.
 3. FACTORY CURB WITH NAILER.
 4. FOR ROOFING AND FLASHING, SEE ARCHITECT'S DRAWINGS.
 5. ROOF DECK.
 6. BACKDRAFT DAMPER.
 7. 3/8"Ø LAG SCREW THRU CURB AND ROOF WITH 3" MINIMUM EMBEDMENT INTO BLOCKING.
 8. 4x BLOCKING. SECURE TO STRUCTURE WITH SIMPSON HU44 HANGERS EACH END.
 9. DUCT SIZE PER PLAN

16 EXHAUST FAN MOUNTING

N.T.S.



- **DETAIL NOTES:**
1. GALVANIZED SHEET METAL ROOF JACK WITH CAP.
 2. FILL OPENING WITH FOAM.
 3. ROOF OPENING. SEE STRUCTURAL DRAWING FOR CURB, SEE ARCHITECT'S DRAWINGS FOR FLASHING.
 4. ROOFING.
 5. REMOVABLE SHEET METAL COVER ATTACHED WITH TWO (2) #8 SELF TAPPING SCREWS EACH SIDE, PAINTED.
 6. PIPE.
 7. PIPE INSULATION.
 8. 2 PIECE 20 GA. GALVANIZED SHEET METAL COVER W/ 1-1/2" FLANGES ATTACHED W/ #12 SMS @4" O.C.

NOTES:

1. EXPOSED PIPING SHALL HAVE ALUMINUM JACKET.

4 PIPING ROOF JACK

N.T.S.



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FILE NO.: 41-26

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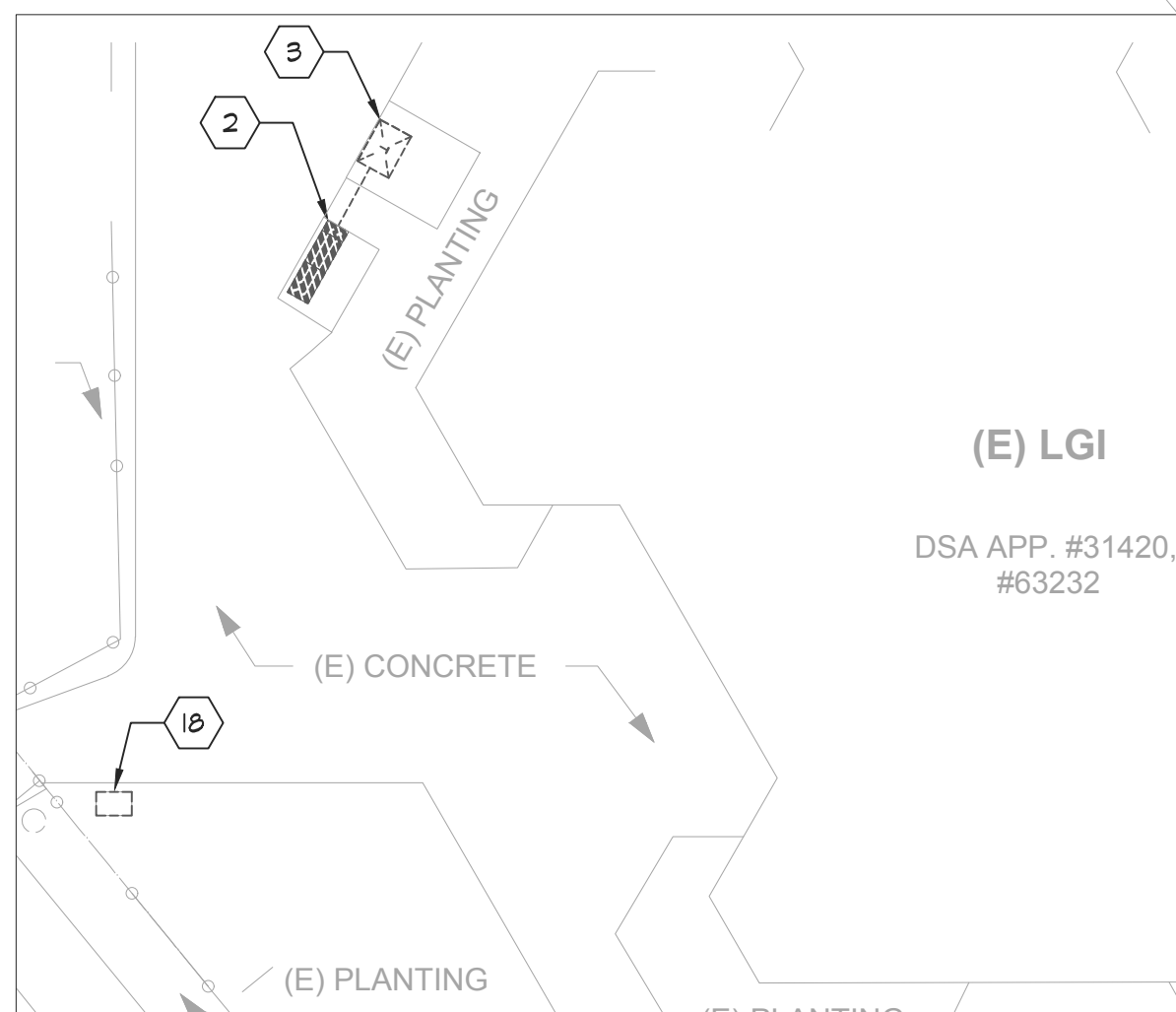
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REF. SHEET MP6.01

AD1-MP6.01

SAN MIGUEL WAY

OTISS STREET

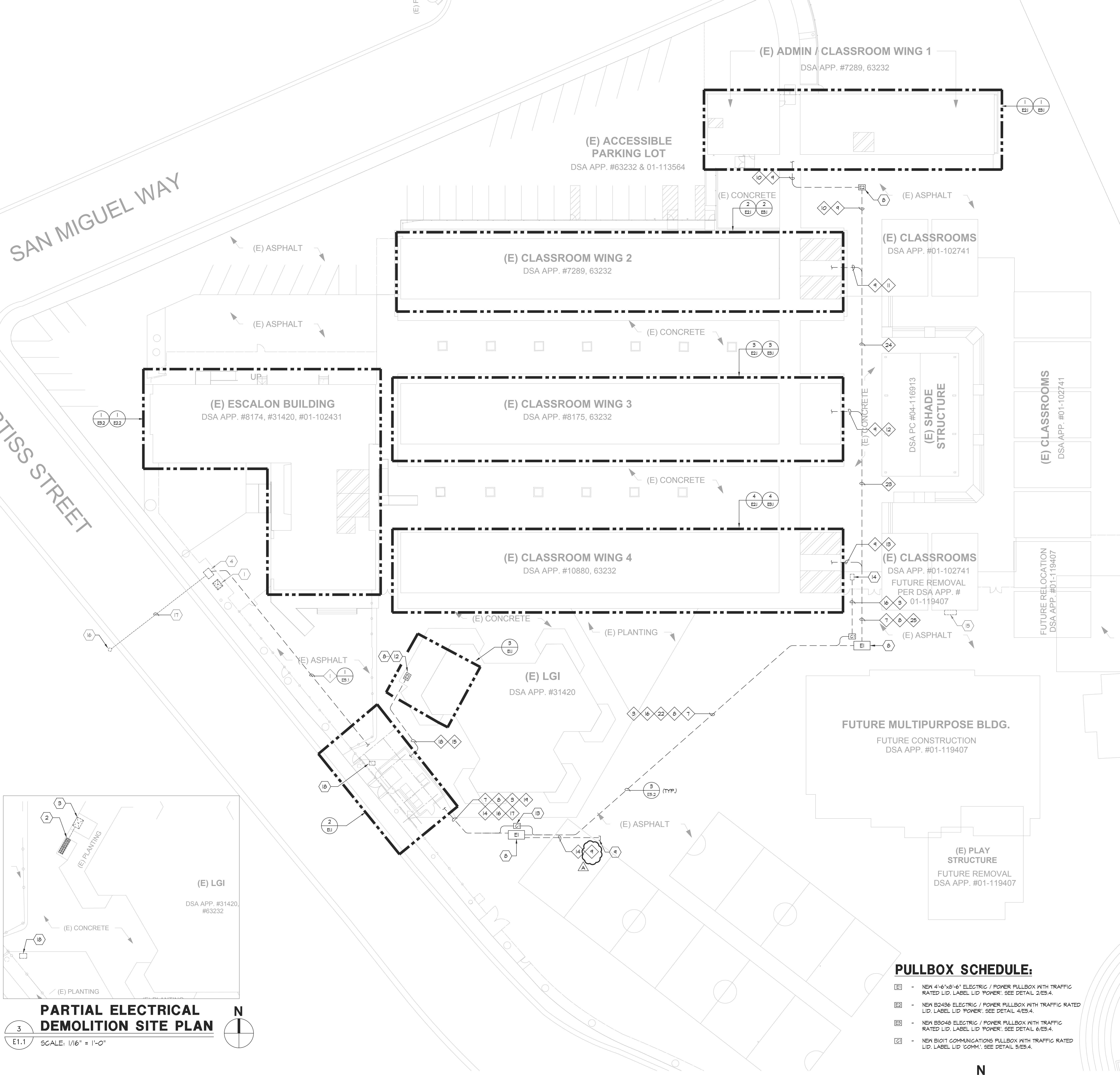


PARTIAL ELECTRICAL DEMOLITION SITE PLAN

3
E1.1
SCALE: 1/16" = 1'-0"

ELECTRICAL SITE PLAN

1
E1.1
SCALE: 1" = 20'-0"



PULLBOX SCHEDULE:

- (E) - NEW 4'-6"x8'-6" ELECTRIC / POWER PULLBOX WITH TRAFFIC RATED LID, LABEL LID 'POWER'. SEE DETAIL 2/ES.4.
- (E) - NEW B2436 ELECTRIC / POWER PULLBOX WITH TRAFFIC RATED LID, LABEL LID 'POWER'. SEE DETAIL 4/ES.4.
- (E) - NEW B3048 ELECTRIC / POWER PULLBOX WITH TRAFFIC RATED LID, LABEL LID 'POWER'. SEE DETAIL 6/ES.4.
- (E) - NEW B1011 COMMUNICATIONS PULLBOX WITH TRAFFIC RATED LID, LABEL LID 'COMM.'. SEE DETAIL 5/ES.4.



GENERAL NOTES:

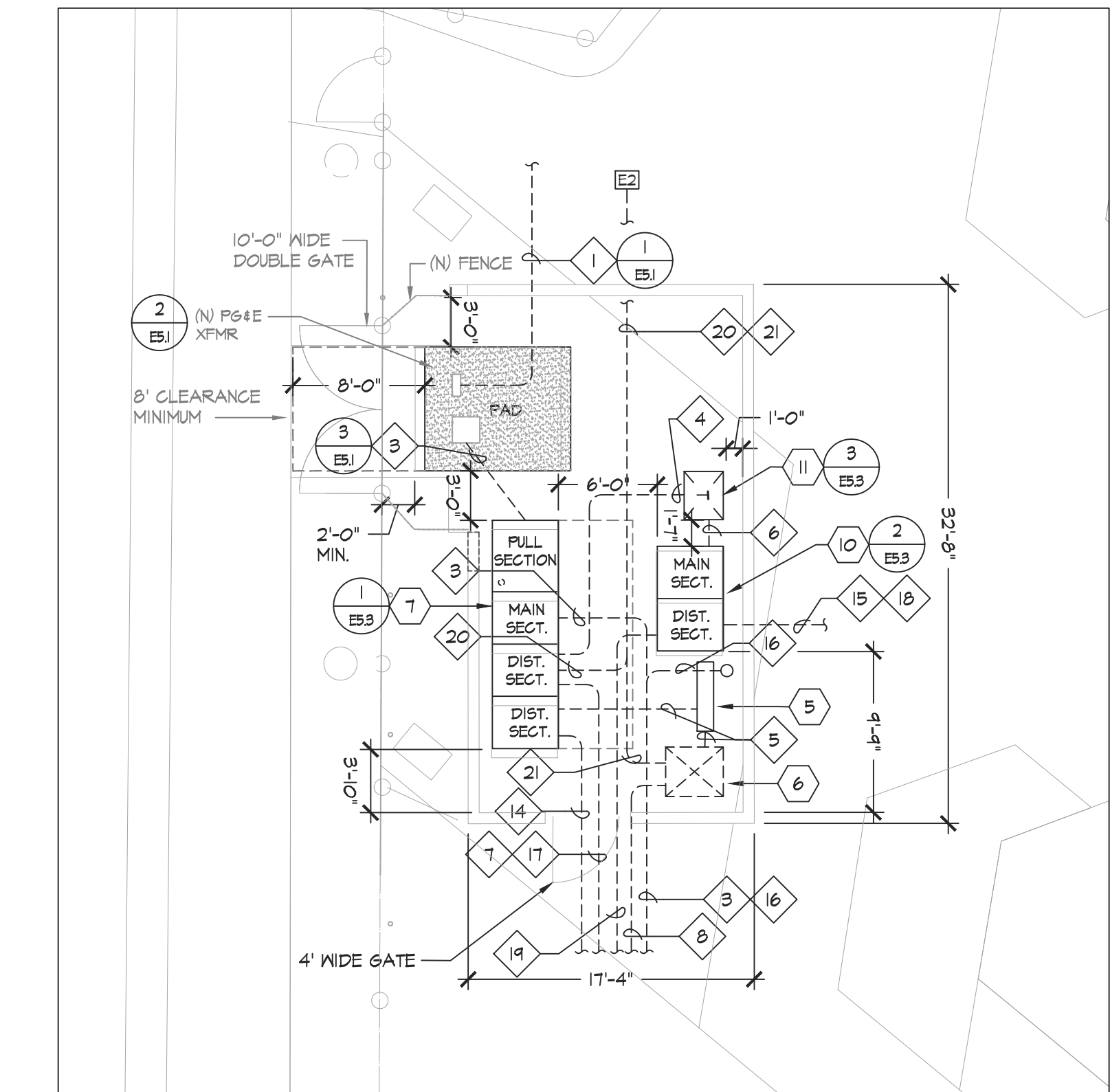
- CONTRACTOR SHALL COORDINATE UNDERGROUND REQUIREMENTS WITH ALL OTHER TRADES TO AVOID CONFLICTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SAN CUTTING AND REMOVAL OF EXISTING SURFACES TO FACILITATE UNDERGROUND SYSTEMS. THE CONTRACTOR SHALL PATCH AND REPAIR ALL DAMAGED AND CUT SURFACES TO MATCH ADJACENT.
- CONTRACTOR TO SITE SURVEY EXISTING CONDITIONS AND LOCATIONS OF EXISTING UNDERGROUND SYSTEMS, WHERE NEW TRENCH WORK OCCURS PRIOR TO BIDDING. CONTRACTOR SHALL TAKE PROPER PRECAUTIONS TO ENSURE EXISTING UNDERGROUND SYSTEMS/CONDUITS/PIPES ARE NOT DAMAGED DURING INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR ANY REPAIRS REQUIRED IN THE EVENT THE EXISTING UNDERGROUND SYSTEMS ARE DAMAGED AS A RESULT OF THE NEW ELECTRICAL TRENCH WORK.
- INSTALL P64E PRIMARY TRENCH PER 1/ ES.1.
- INSTALL P64E SECONDARY TRENCH PER 3/ ES.1.
- P64E TRANSFORMER PAD SHALL BE PER 2/ ES.1.
- ALL ON SITE TRENCH SHALL BE INSTALLED PER 3/ ES.4.
- SEE THE DEMO SINGLE LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS.
- SEE NEW SINGLE LINE DIAGRAM FOR FEEDER CABLE AND CONDUIT REQUIREMENTS.
- THE CONTRACTOR SHALL MANDEREL THROUGH THE ENTIRE P64E CONDUIT SYSTEM, COORDINATE WITH P64E FOR ADDITIONAL REQUIREMENTS AND PROCEDURES.

SHEET NOTES:

- EXISTING P64E TRANSFORMER TO REMAIN.
- EXISTING 1200A MAIN SWITCHBOARD AND PAD TO BE DEMOLISHED AND REPLACED WITH AN IN-GRADE FULL BOX INTERCEPT LGI CONDUIT AT THIS LOCATION.
- EXISTING P64E TRANSFORMER TO BE REMOVED BY P64E, DEMOLISH EXISTING TRANSFORMER PAD AND PATCH SURFACE TO MATCH EXISTING.
- EXISTING P64E ABOVE GRADE SWITCH LOCATION TO REMAIN.
- FUTURE PV DISCONNECT SWITCH.
- FUTURE PV DISTRIBUTION PANEL.
- NEW 2500A MAIN SWITCHBOARD.
- NEW IN-GRADE ELECTRICAL FULL BOX, LABEL LID 'ELECTRICAL'.
- STUB CONDUIT FOR FUTURE MU TO THIS LOCATION AND CAP FOR FUTURE USE.
- (N) 1000A DISTRIBUTION PANEL 'DPI'.
- (N) 300KVA TRANSFORMER 'T-DPI'.
- PROVIDE NEW FULL BOX IN PLACE OF THE EXISTING MAIN SWITCHBOARD, INTERCEPT THE EXISTING FEEDER AND CONDUIT FOR EXISTING PANEL 'L61', 'E' AND 'DP2' AT THIS LOCATION.
- NEW SIGNAL FULL BOX LABEL LID 'SIGNAL'.
- EXISTING SIGNAL FULL BOX STUB NEW CONDUIT INTO EXISTING BOX AS REQUIRED.
- EXISTING PANEL 'DP2' TO REMAIN.
- EXISTING P64E POLE TO REMAIN.
- EXISTING P64E UNDERGROUND PRIMARY STREET CROSSINGS TO REMAIN.
- EXISTING UNUSED UNDERGROUND IN-GRADE FULL BOX TO BE DEMOLISHED AND REMOVED. CAP EXISTING CONDUIT.

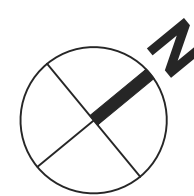
CONDUIT SCHEDULE:

- | | |
|--|---|
| 1 (N) (1) 4" - P64E PRIMARY. | 14 (N) (4) 4" - (FUTURE MU BLDGS). |
| 2 (N) (7) 5" - P64E SECONDARY. | 15 (N) (1) 4" - PANEL 'E'. |
| 3 (N) (1) 1" - P64E COMMUNICATIONS. | 16 (N) (1) 2" - FUTURE PV COMMUNICATIONS. |
| 4 (N) (2) 2.5" - XFMR 'DPI'. | 17 (N) (4) 4" - SPARE POWER. |
| 5 (N) (2) 3" - FUTURE PV DISTRIBUTION PANEL. | 18 (N) (1) 4" - PANEL 'L61'. |
| 6 (N) (3) 3" - PANEL 'DPI'. | 19 (N) (2) 4" - (E) PANEL 'DP2'. |
| 7 (N) (1) 2.5" - XFMR 'AM'. | 20 (N) (2) 2.5" - SPARE. |
| 8 (N) (1) 2.5" - XFMR 'BM'. | 21 (1) (2) 2.5" - FUTURE EV. |
| 9 (N) (1) 2.5" - XFMR 'CM'. | 22 (N) (2) 2.5" - FUTURE PV. |
| 10 (N) (1) 2.5" - XFMR 'DM'. | 23 (N) (2) 4" - SPARE. |
| 11 (N) (1) 2.5" - XFMR 'AM'. | 24 (N) (1) 2.5" - XFMR 'AM'. |
| 12 (N) (1) 2.5" - XFMR 'BM'. | 25 (N) (1) 2.5" - XFMR 'BM'. |
| 13 (N) (1) 2.5" - XFMR 'CM'. | 26 (N) (1) 2.5" - XFMR 'DM'. |
| 14 (N) (1) 2.5" - XFMR 'DM'. | 27 (N) (2) 2.5" - FUTURE PV. |



ELECTRICAL SWITCHGEAR DIMENSIONS

2
E1.1
SCALE: 1/8"=1'-0"



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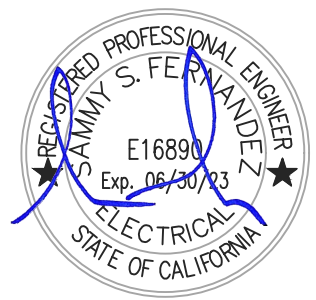
www.aedisarchitects.com
387 S. 1st Street, Suite 300
San Jose, CA 95113
tel: (408)-300-5160
fax: (408)-300-5121

PROJECT

GEORGE HALL
ELEMENTARY
SCHOOL - HVAC
REPLACEMENT

SAN MATEO-FOSTER CITY
SCHOOL DISTRICT

CONSULTANT



American Consulting Engineers
Electrical, Inc.
1580 The Alameda, Suite 200
San Jose, CA 95126
408/236-2312
Fax: 408/236-2316

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DSA APP. #01-119407
41-26
APPL. #
01-119523

REVISIONS

No. Description Date
ADDENDUM 1 11/24/2021

MILESTONES

DD
90% CD
DSA SUB 05/21/2021
BACKCHECK 10/01/2021

SHEET

ELECTRICAL
SITE PLAN

DATE

11/24/2021
JOB #
2021005.02

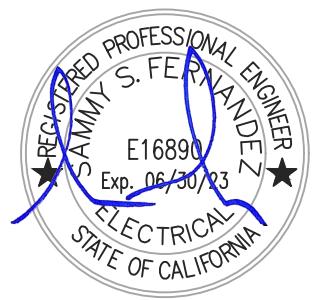
SHEET #

AD-1
E1.1

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San Jose, CA 95126
JOB # E21-119523-00
408/236-2312
Fax: 408/236-2316

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10/01/2021

SHEET

ELECTRICAL
DEMO FLOOR
PLANS -
WINGS #1, #2, #3,
#4 AND TYP.
RELOCATABLE

DATE
JOB #
SHEET #

11/24/2021
2021005.02
AD-1
E2.1

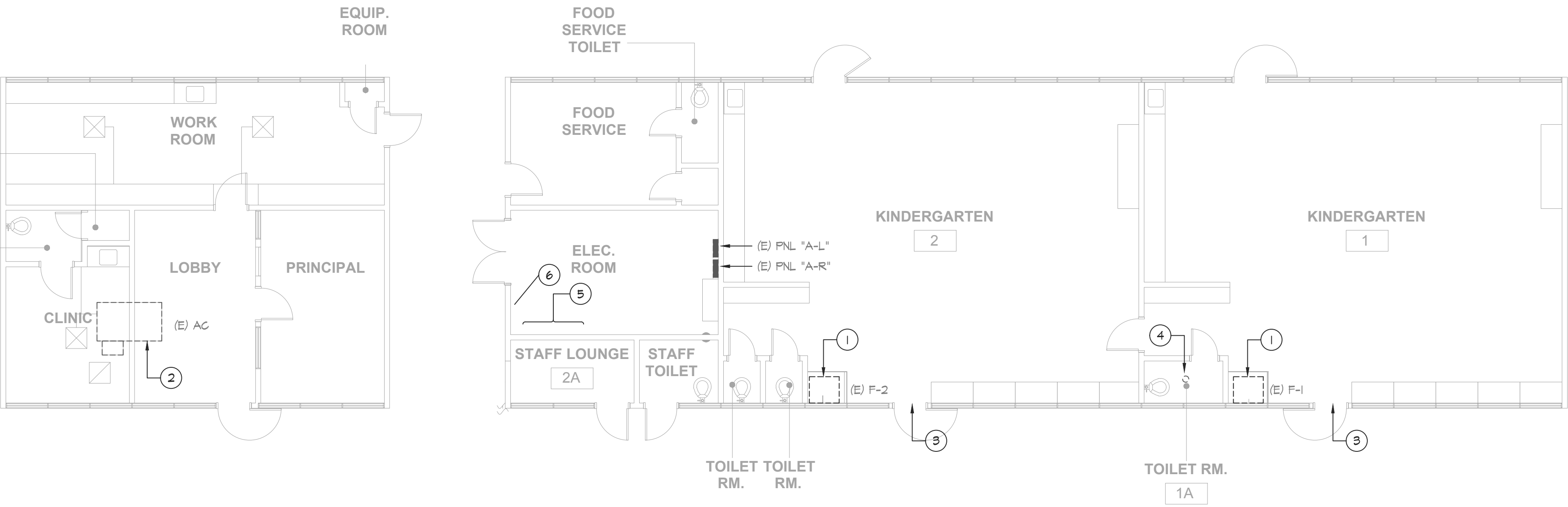
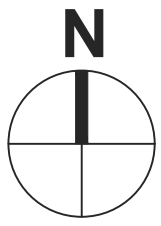
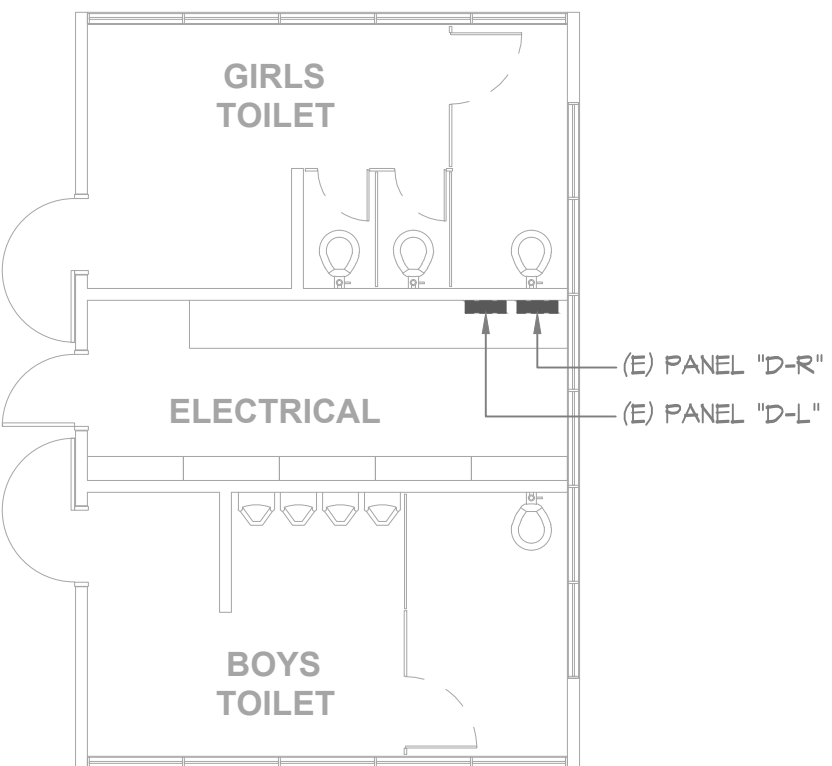
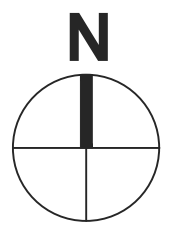
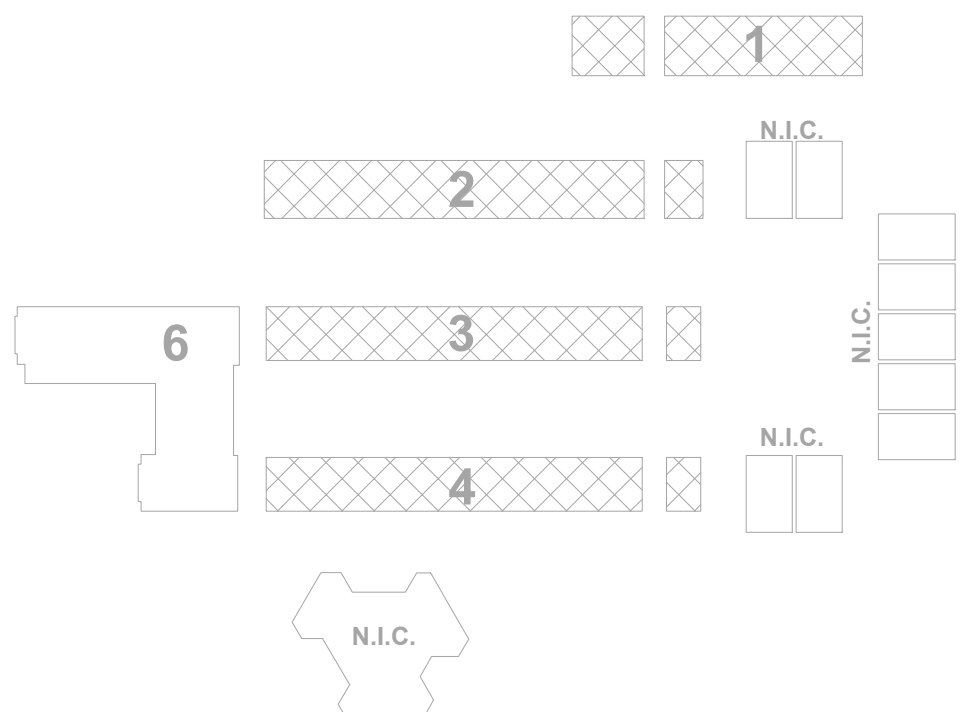
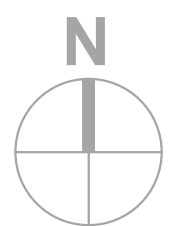
GENERAL NOTES:

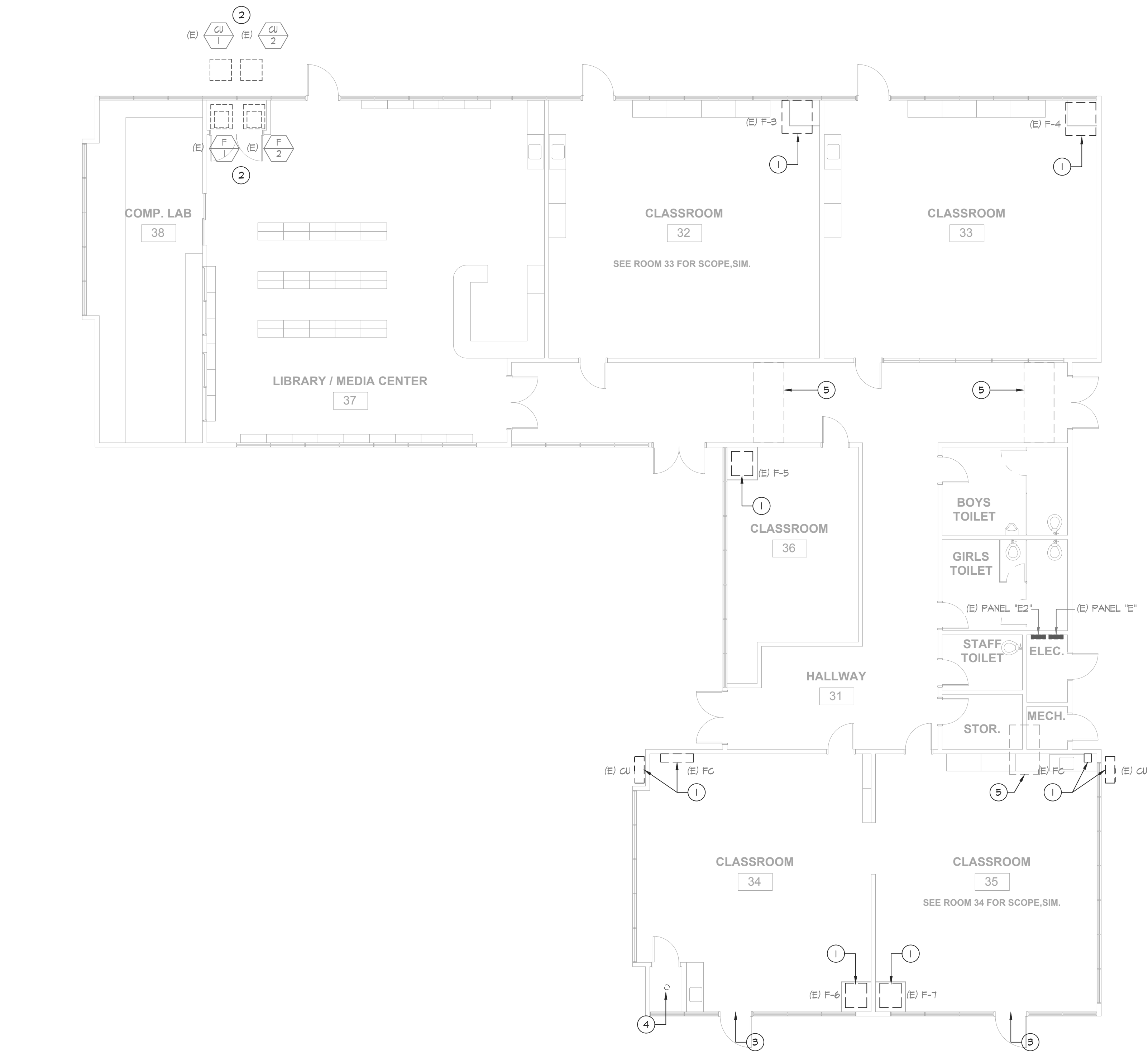
- CONTRACTOR SHALL REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL DEMO REQUIREMENTS.
- EXISTING ELECTRICAL PANELS ARE TO REMAIN.
- SEE NEW ELECTRICAL FLOOR PLANS FOR ADDITIONAL REQUIREMENTS.
- SEE DEMO AND NEW SINGLE LINE DIAGRAMS FOR ADDITIONAL REQUIREMENTS.

DEMOLITION SHEET NOTES:

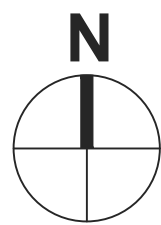
- EXISTING MECHANICAL UNIT TO BE DEMOLISHED. PULL EXISTING ELECTRICAL CIRCUITRY BACK TO SOURCE AND REMOVE. REMOVE ALL CONDUITS, J-BOXES AND DISCONNECT SWITCH ASSOCIATED WITH THE DEMOLISHED UNIT.
- EXISTING MECHANICAL UNIT AND CONNECTIONS TO REMAIN.
- EXISTING EXIT SIGN TO BE DISCONNECTED AND RELOCATED TO FACILITATE NEW WORK. EXISTING CIRCUITRY TO BE REUSED AND EXTENDED.
- EXISTING LIGHT SOCKET AND FIXTURE TO BE DEMOLISHED AND REPLACED WITH NEW. EXISTING CIRCUITRY AND CONTROLS TO BE REUSED.
- THE EXISTING FIRE ALARM EQUIPMENT LOCATED ON THE WALL IS TO BE RELOCATED TO FACILITATE NEW WORK. RELOCATE EXISTING FIRE ALARM EQUIPMENT IN THE SAME ROOM OUTSIDE THE AREA OF THE NEW WORK. VERIFY EXISTING CIRCUITRY AND EXTEND AS REQUIRED.
- REMOVE ABANDONED AND UNUSED ELECTRICAL EQUIPMENT FROM THE WALL AT THIS LOCATION. COORDINATE WITH ARCHITECT.

BUILDING KEY





1 **ELECTRICAL DEMO FLOOR PLAN - ESCALON BLDG.**
E2.2 SCALE: 1/8" = 1'-0"



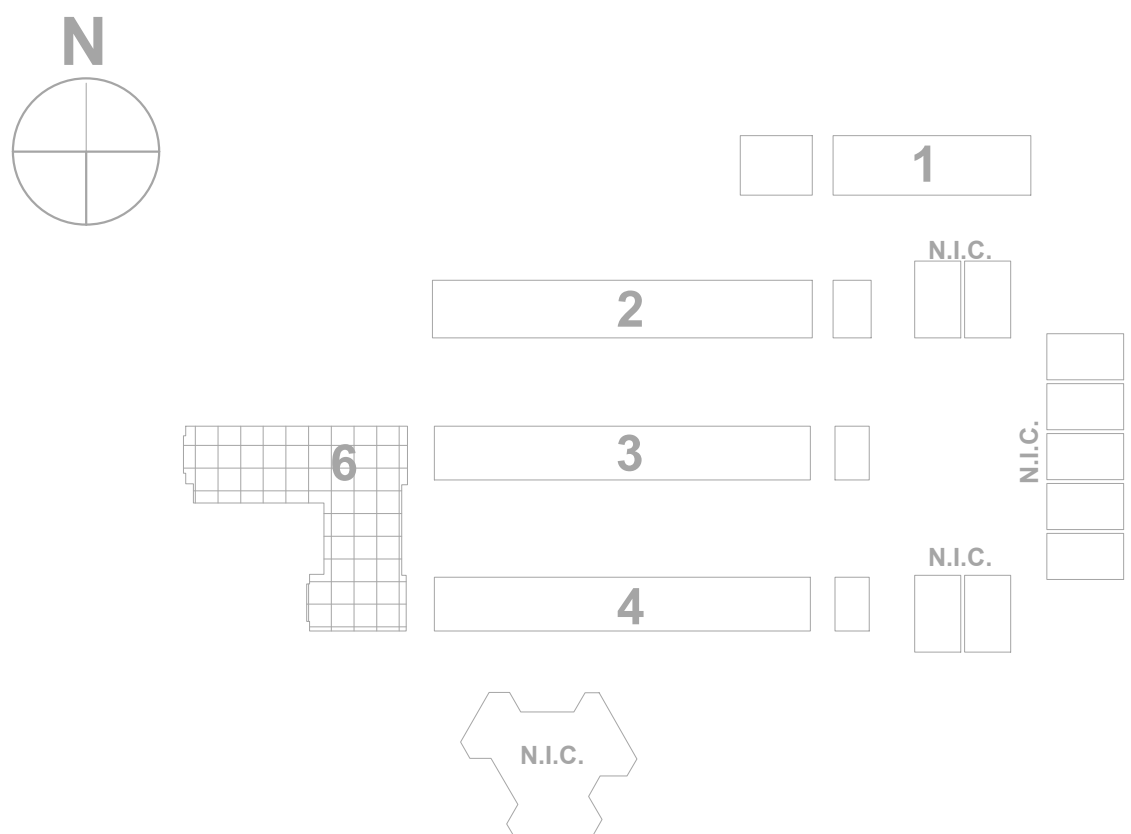
GENERAL NOTES:

1. CONTRACTOR SHALL REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL DEMO REQUIREMENTS.
2. EXISTING ELECTRICAL PANELS ARE TO REMAIN.
3. SEE NEW ELECTRICAL FLOOR PLANS FOR ADDITIONAL REQUIREMENTS.
4. SEE DEMO AND NEW SINGLE LINE DIAGRAMS FOR ADDITIONAL REQUIREMENTS.

DEMOLITION SHEET NOTES:

1. EXISTING MECHANICAL UNIT TO BE DEMOLISHED. PULL EXISTING ELECTRICAL CIRCUITRY BACK TO SOURCE AND REMOVE. REMOVE ALL CONDUITS, J-BOXES AND DISCONNECT SWITCH ASSOCIATED WITH THE DEMOLISHED UNIT.
2. EXISTING MECHANICAL UNIT AND CONNECTIONS TO REMAIN.
3. EXISTING EXIT SIGN TO BE DISCONNECTED AND RELOCATED TO FACILITATE NEW WORK. EXISTING CIRCUITRY TO BE REVISED AND EXTENDED.
4. EXISTING LIGHT SOCKET AND FIXTURE TO BE DEMOLISHED AND REPLACED WITH NEW. EXISTING CIRCUITRY AND CONTROLS TO BE REVISED.
5. REMOVE CEILING FINISH AND ROUTE NEW CONDUITS CONCEALED IN CHASE. PATCH AND REPAIR.

BUILDING KEY



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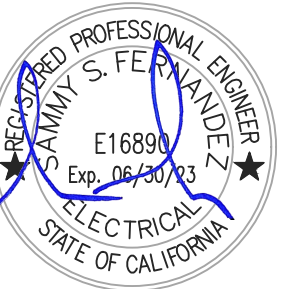
www.aedisarchitects.com
387 S. 1st Street, Suite 300
San Jose, CA 95113
tel: (408)-300-5160
fax: (408)-300-5121

PROJECT

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ELEMENTARY
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**SAN MATEO-FOSTER CITY
SCHOOL DISTRICT**

CONSULTANT



**American Consulting Engineers
Electrical, Inc.**
1580 The Alameda, Suite 202
San Jose, CA 95126
JOB # E221052.02
408/236-2312
Fax: 408/236-2316

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DSA FILE NUMBER **41-26**
APPL # **01-119523**

REVISIONS

No.	Description	Date
1	ADDENDUM	11/24/2021

MILESTONES

DD	
90% CD	
DSA SUB	05/21/2021
BACKCHECK	10/01/2021

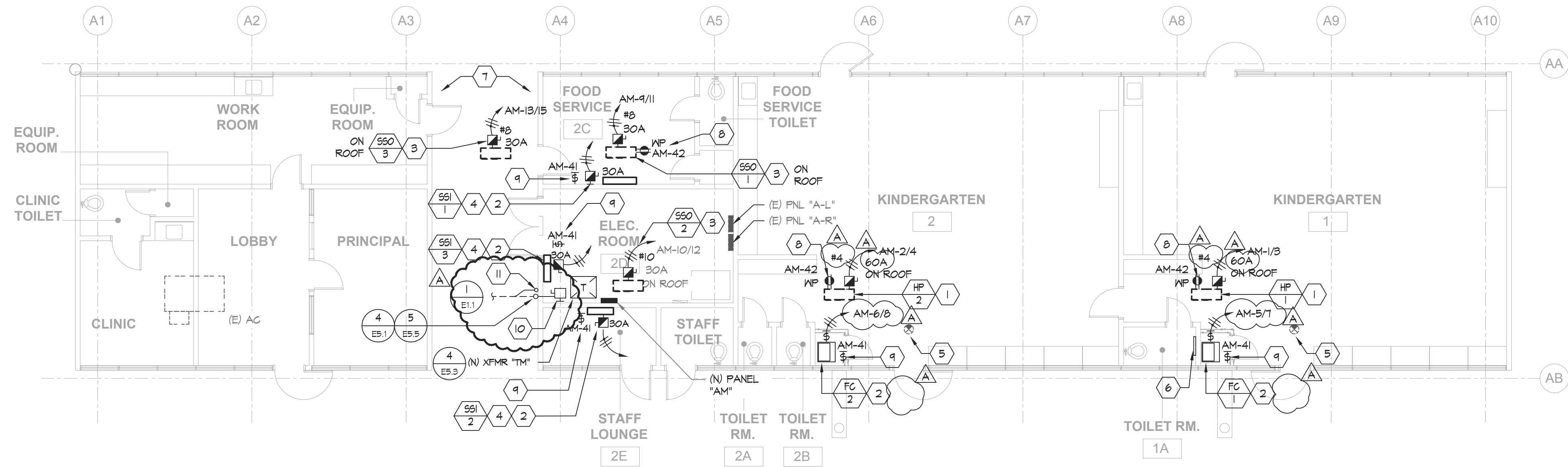
SHEET

**ELECTRICAL
DEMO FLOOR
PLANS -
ESCALON BLDG
& LGI**

DATE **11/24/2021**

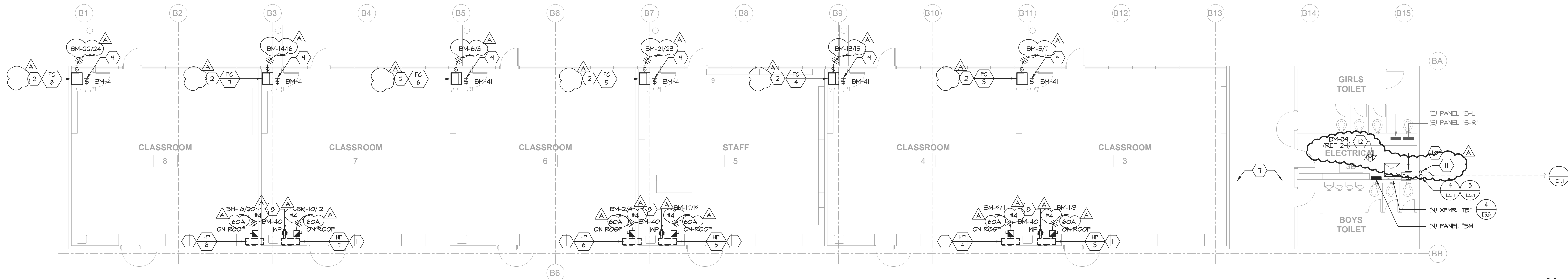
JOB # **2021005.02**

SHEET # **AD-1
E2.2**



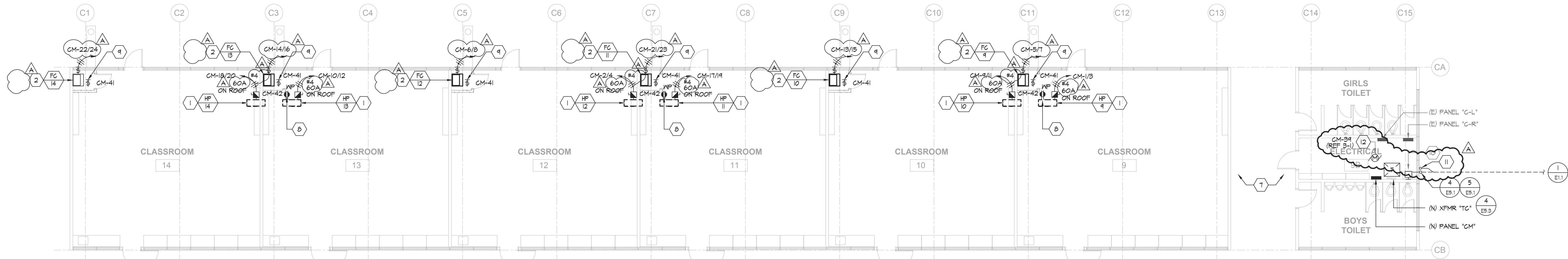
1 ELECTRICAL NEW FLOOR PLAN - WING #1

E3.1 SCALE: 1/8" = 1'-0"



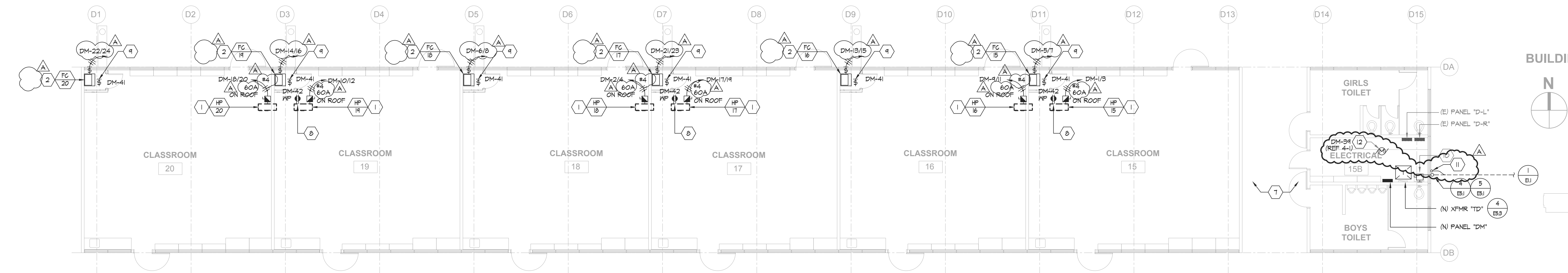
2 ELECTRICAL NEW FLOOR PLAN - WING #2

E3.1 SCALE: 1/8" = 1'-0"



3 ELECTRICAL NEW FLOOR PLAN - WING #3

E3.1 SCALE: 1/8" = 1'-0"



4 ELECTRICAL NEW FLOOR PLAN - WING #4

E3.1 SCALE: 1/8" = 1'-0"

GENERAL NOTES:

- ALL CONDUITS SHALL BE ROUTED CONCEALED IN CEILING BELOW WHERE POSSIBLE. ALL EXPOSED CONDUITS SHALL BE PAINTED.
- CONTRACTOR SHALL COORDINATE EXACT LOCATIONS AND POINTS OF CONNECTION FOR MECHANICAL UNIT WITH MECHANICAL CONTRACTOR. ADJUST LOCATION AND CONNECTION POINTS AS NEEDED.
- SEE PANEL SCHEDULES AND SINGLE LINE DIAGRAM FOR POWER CONNECTION REQUIREMENTS.
- COORDINATE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- FUSED AND UNFUSED DISCONNECT SWITCHES SHALL BE 600V RATED, HEAVY DUTY CYCLE. FUSES FOR MECHANICAL UNITS SHALL BE SIZED PER THE MANUFACTURER'S RECOMMENDATION.
- PROVIDE CONDUIT ROOF PENETRATIONS REQUIRED. COORDINATE ROOF PENETRATION LOCATIONS WITH MECHANICAL'S PIPING ROOF PENETRATIONS. ROOF PENETRATION SHALL BE PER DETAIL 4/MP6.01.

SHEET NOTES:

- NEW 60A/2P, NEMA-3R, FUSED DISCONNECT SWITCH FOR MECHANICAL UNIT.
- NEW 30A-2P, NEMA-1 (MOTOR-RATED) DISCONNECT SWITCH FOR MECHANICAL UNIT.
- NEW 30A-2P, NEMA-3R, FUSED DISCONNECT SWITCH FOR MECHANICAL UNIT.
- INDOOR UNIT IS POWER BY THE OUTDOOR UNIT. ROUTE HOMERUN CIRCUIT TO ASSOCIATED OUTDOOR UNIT. REFER TO MECHANICAL SCHEDULE MPO.02 FOR ADDITIONAL REQUIREMENTS.
- EXISTING EXIT SIGN TO BE RELOCATED TO FACILITATE THE NEW MECHANICAL WORK. EXTEND EXISTING CIRCUITRY TO NEW LOCATION. RECONNECT AS REQUIRED.
- PROVIDE NEW WALL MOUNTED LIGHT FIXTURE IN NEW LOCATION. FIXTURE SHALL BE H.E. WILLIAMS SLF-2L19-085-HA-120. REUSE EXISTING CIRCUITRY AND LIGHTING CONTROLS. EXTEND WITH NEW CIRCUITRY AS REQUIRED.
- MOUNT CONDUIT ADJACENT TO CHASE AND ROUTE ACROSS THE HALLWAY.
- PROVIDE NEW WEATHERPROOF 6FCI RECEPTACLE. RECEPTACLE SHALL BE MOUNTED ON A WEATHERPROOF BOX WITH WHILE-IN-USE COVER. COVER SHALL BE INTERMATIC INFQIMXD 'BOSS'.
- PROVIDE MOTOR RATED SWITCH AND 120V POWER FOR CONDENSATION PUMP.
- NEW 400A-3P, NEMA 1, UNFUSED DISCONNECT SWITCH.
- STUB FUTURE SOLAR CONDUIT 18" ABOVE GRADE AT THIS APPROXIMATE LOCATION AND CAP.
- PROVIDE 120V MOTOR RATED SWITCH FOR EXHAUST FAN. PROVIDE #10'S HOMERUN AND CONNECT TO CIRCUIT INDICATED. COORDINATE EXACT LOCATION WITH MECHANICAL DRAWINGS AND MECHANICAL CONTRACTOR.

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www.aedisarchitects.com
387 S. 1st Street, Suite 300
San Jose, CA 95113
tel: (408)-300-5160
fax: (408)-300-5121

PROJECT

GEORGE HALL
ELEMENTARY
SCHOOL - HVAC
REPLACEMENT

SAN MATEO-FOSTER CITY
SCHOOL DISTRICT

CONSULTANT



American Consulting Engineers
Electrical, Inc.
1580 The Alameda, Suite 200
San Jose, CA 95126
JOB # E3.1-119523
408/236-2312
Fax: 408/236-2316

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DSA FILE NUMBER 41-26

APPL # 01-119523

REVISIONS

No. Description Date

ADDENDUM 1 11/24/2021

MILESTONES

DD

90% CD

DSA SUB 05/21/2021

BACKCHECK 10/01/2021

SHEET

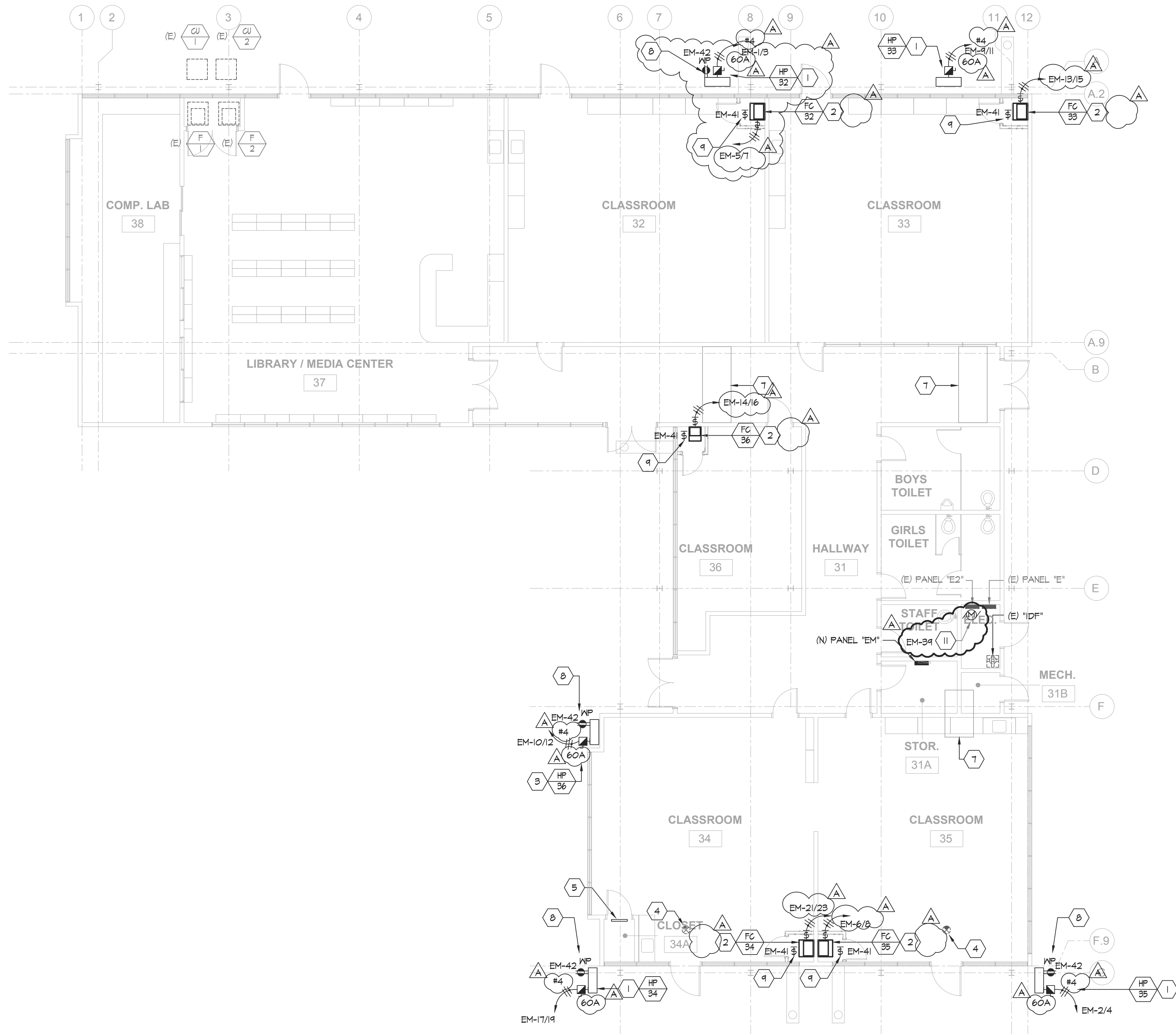
ELECTRICAL NEW
FLOOR PLANS -
WINGS #1, #2, #3,
#4 AND TYP.
RELOCATABLE

DATE 11/24/2021

JOB # 2021005.02

SHEET #

E3.1



1 ELECTRICAL NEW FLOOR PLAN - ESCALON BLDG.
E3.2 SCALE: 1/8" = 1'-0"



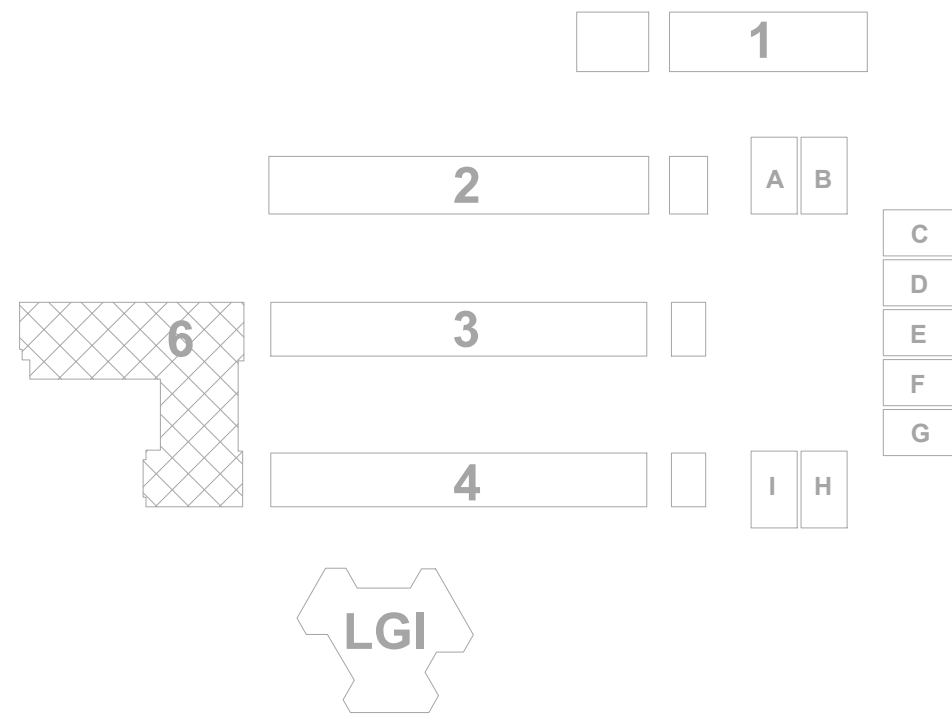
GENERAL NOTES:

- ALL CONDUITS SHALL BE ROUTED CONCEALED IN CEILING BELOW WHERE POSSIBLE.
- CONTRACTOR SHALL COORDINATE EXACT LOCATIONS AND POINTS OF CONNECTION FOR MECHANICAL UNIT WITH MECHANICAL CONTRACTOR. ADJUST LOCATION AND CONNECTION POINTS AS NEEDED.
- SEE PANEL SCHEDULES AND SINGLE LINE DIAGRAM FOR POWER CONNECTION REQUIREMENTS.
- COORDINATE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- FUSED DISCONNECT SWITCHES SHALL BE 600V RATED, HEAVY DUTY CYCLE. FUSES FOR MECHANICAL UNITS SHALL BE SIZED PER THE MANUFACTURER'S RECOMMENDATION.
- PROVIDE CONDUIT ROOF PENETRATIONS REQUIRED. COORDINATE ROOF PENETRATION LOCATIONS WITH MECHANICAL'S PIPING ROOF PENETRATIONS. ROOF PENETRATION SHALL BE PER DETAIL 4/M/P6.01.

SHEET NOTES:

- NEW 60A-2P NEMA-3R FUSED DISCONNECT SWITCH FOR MECHANICAL UNIT.
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- NEW 30A-2P, NEMA-3R, FUSED DISCONNECT SWITCH FOR MECHANICAL UNIT.
- EXISTING EXIT SIGN TO BE RELOCATED TO FACILITATE THE NEW MECHANICAL WORK. EXTEND EXISTING CIRCUITRY TO NEW LOCATION. RECONNECT AS REQUIRED.
- PROVIDE NEW WALL MOUNTED LIGHT FIXTURE IN NEW LOCATION. FIXTURE SHALL BE H.E. WILLIAMS SLF-2L13-B35-H1A-120. REUSE EXISTING CIRCUITRY AND LIGHTING CONTROLS. EXTEND WITH NEW CIRCUITRY AS REQUIRED.
- ROUTE CONDUIT EXPOSED ON CEILING TO NEW PANEL.
- PATCH AND REPAIR CEILING CHASE WHERE DEMO WORK OCCURRED.
- PROVIDE NEW WEATHERPROOF 6FCI RECEPTACLE. RECEPTACLE SHALL BE MOUNTED ON A WEATHERPROOF BOX WITH WHILE-IN-USE COVER. COVER SHALL BE INTERMATIC WPDIMXD "BOSS".
- PROVIDE MOTOR RATED SWITCH AND 120V POWER FOR CONDENSATION PUMP.
- NOT USED.
- PROVIDE 120V MOTOR RATED SWITCH FOR EXHAUST FAN. PROVIDE #10'S HOMERUN AND CONNECT TO CIRCUIT INDICATED. COORDINATE EXACT LOCATION WITH MECHANICAL DRAWINGS AND MECHANICAL CONTRACTOR.

BUILDING KEY



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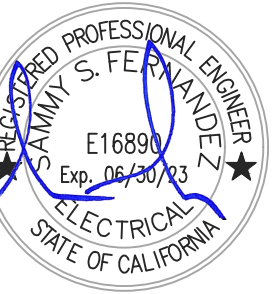
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San Jose, CA 95113
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ELEMENTARY
SCHOOL - HVAC
REPLACEMENT

SAN MATEO-FOSTER CITY
SCHOOL DISTRICT

CONSULTANT



American Consulting Engineers
Electrical, Inc.
1580 The Alameda, Suite 202
San Jose, CA 95126
JOB # E321-0332.00
408/236-2312
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REVISIONS

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ADDENDUM 1		11/24/2021

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SHEET

ELECTRICAL NEW
FLOOR PLANS -
ESCALON BLDG
& LGI

DATE 11/24/2021

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SHEET # AD-1

E3.2

GENERAL NOTES:

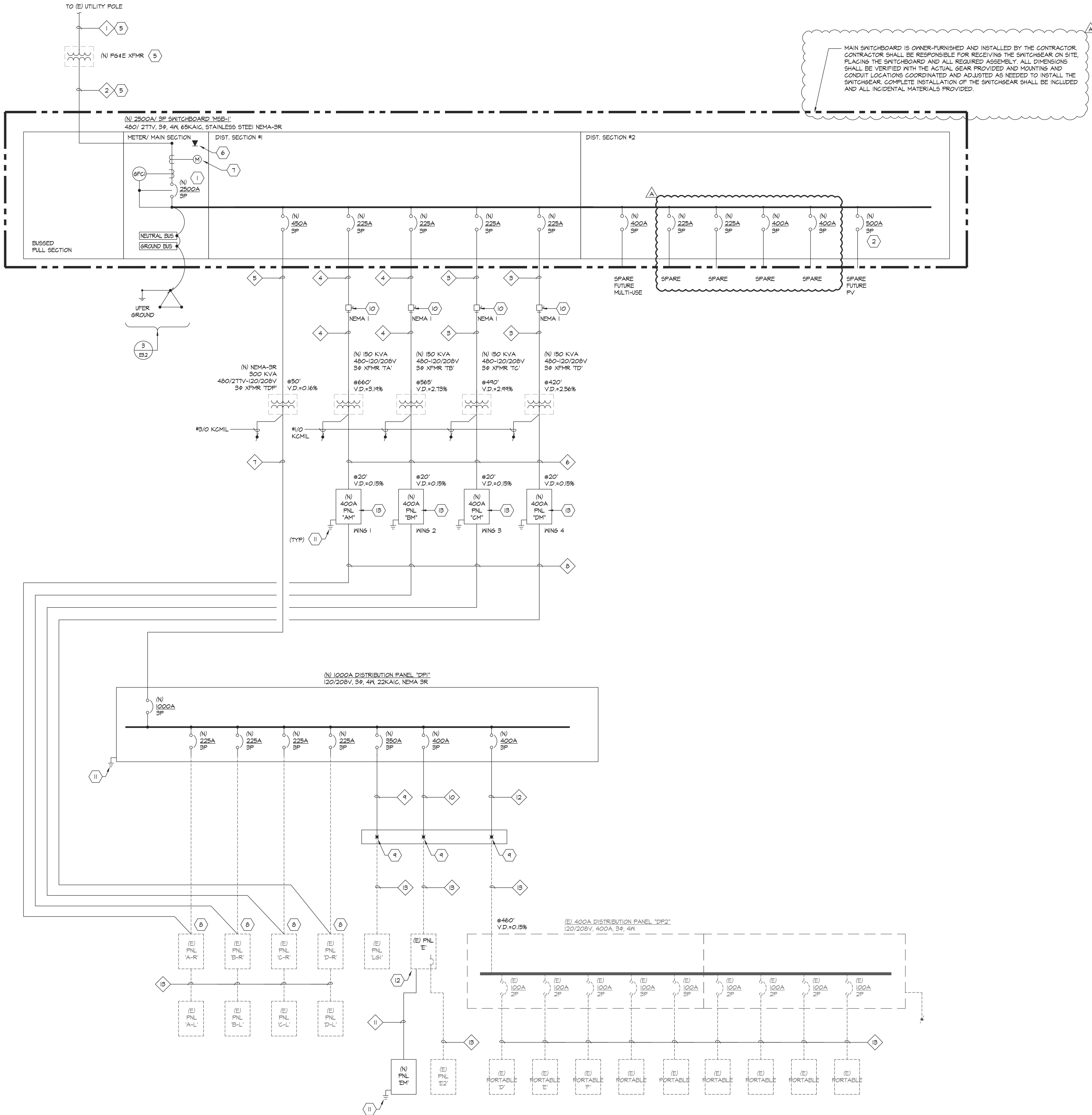
- SEE DETAIL 2/EB.2 FOR GROUNDS AT SWITCHBOARD ENCLOSURE REQUIREMENTS.
- SEE DETAIL 3/EB.2 FOR MAIN SWITCHBOARD GROUNDS REQUIREMENTS.
- SEE DETAIL 5/EB.2 FOR TRANSFORMER GROUNDS REQUIREMENTS.
- ALL TRANSFORMERS SHALL BE CLASS 155 INSULATION - COMPLETELY ENCLOSED EXCEPT FOR VENTILATION.
- SEE ENLARGED SWITCHGEAR PLAN FOR ADDITIONAL REQUIREMENTS.
- THE CONTRACTOR SHALL OBTAIN THE P64E SUBSTRUCTURE PACKAGE PRIOR TO ANY RELATED WORK. THE CONTRACTOR SHALL COORDINATE ALL P64E INSTALLATION REQUIREMENTS WITH P64E GREENBOOK AND P64E SUBSTRUCTURE PACKAGE.
- SEE THE ENLARGED SITE DEMO SITE PLAN AND DEMO SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- PROVIDE THE REQUIRED ARC FLASH HAZARD WARNING LABEL TO MEET THE REQUIREMENTS OF CEC 110.16. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- PROVIDE MAINTENANCE SWITCH FOR ARC ENERGY REDUCTION TO MEET THE REQUIREMENTS OF CEC 240.81.

SHEET NOTES:

- MAIN BREAKER SHALL BE 600V PER NEG.
- PV BREAKER TO BE INSTALLED AT THE FURTHEST POINT ON THE BUS BAR.
- INTERCEPT EXISTING FEEDER CONDUIT WITH NEW CONDUIT. CONTRACTOR TO VERIFY EXACT (E) CONDUIT SIZES AND MATCH AS REQUIRED TO INTERCEPT. EXTEND (N) CONDUITS AND FEEDERS TO (N) XFORM 'TA'. SEE SITE PLAN FOR APPROXIMATE LOCATION. SITE VERIFY EXACT LOCATIONS.
- CONNECT NEW FEEDERS TO (E) 800A DISTRIBUTION PANEL. CONTRACTOR SHALL PROVIDE EQUIPMENT REQUIRED TO TERMINATE NEW FEEDERS. SEE SITE PLAN FOR APPROXIMATE LOCATION. SITE VERIFY EXACT LOCATION.
- INSTALL PER P64E AND P64E GREENBOOK REQUIREMENTS.
- PROVIDE TWO DEDICATED TELEPHONE LINES FROM THE MAIN SWITCHBOARD TO THE TELEPHONE MPOE PER P64E REQUIREMENTS. MOUNT TELEPHONE OUTLETS INSIDE METER SECTION FOR THE MAIN SWITCHBOARD BEHIND THE SWITCHBOARDS DOORS. MOUNT IN NEMA-3R JUNCTION BOX.
- PROVIDE P64E METER PER P64E REQUIREMENTS.
- COORDINATE THE DISCONNECT AND REMOVAL OF THE EXISTING FEEDERS WITH THE PROJECT SCHEDULE AFTER REMOVAL OF EXISTING FEEDER AND CONDUITS, CONTRACTOR SHALL RECONNECT PANEL WITH NEW FEEDERS AND CONDUIT AS SHOWN.
- PROVIDE INGRADE PULL BOX TO INTERCEPT EXISTING FEEDER CIRCUIT. PROVIDE POLARIS SUBMERSIBLE SPLICE. SEE SITE PLAN FOR ADDITIONAL REQUIREMENTS.
- PROVIDE 400A-3P, 600V, HEAVY DUTY, DISCONNECT SWITCH FOR TRANSFORMER.
- GROUND PER CEC.
- PROVIDE 200A-3P CIRCUIT BREAKER IN EXISTING PANEL'S SUBFEED POSITION.
- PROVIDE 225A-3P CIRCUIT BREAKER IN NEW PANEL'S SUBFEED POSITION.

CABLE SCHEDULE:

- (N) 1) 4" - P64E PRIMARY.
- (N) 1) 5" - P64E SECONDARY
- (N) 1) 2-1/2" WITH (N) 3) #4/O + (1) #4 GND.
- (N) 1) 2-1/2" WITH (N) 3) #4/O + (1) #4 GND.
- (N) 1) 2-1/2" EACH CONDUIT WITH (N) 4) #4/O + (1) #2 GND.
- (N) 1) 4" WITH (N) 4) #600 + (1) #10 GND.
- (N) 3) 3" EACH CONDUIT WITH (N) 4) #400 + (1) #3 GND.
- (N) 1) 2-1/2" WITH (N) 4) #4/O + (1) #4 GND.
- (N) 1) 4" WITH (N) 4) #500 + (1) #3 GND.
- (N) 1) 4" WITH (N) 4) #600 + (1) #3 GND.
- (N) 1) 2" WITH (N) 4) #3/O + (1) #6 GND.
- (N) 1) 4" WITH (N) 4) #600 + (1) #3 GND.
- EXISTING CONDUITS AND CABLES TO REMAIN.



NEW SINGLE LINE DIAGRAM

NOT TO SCALE

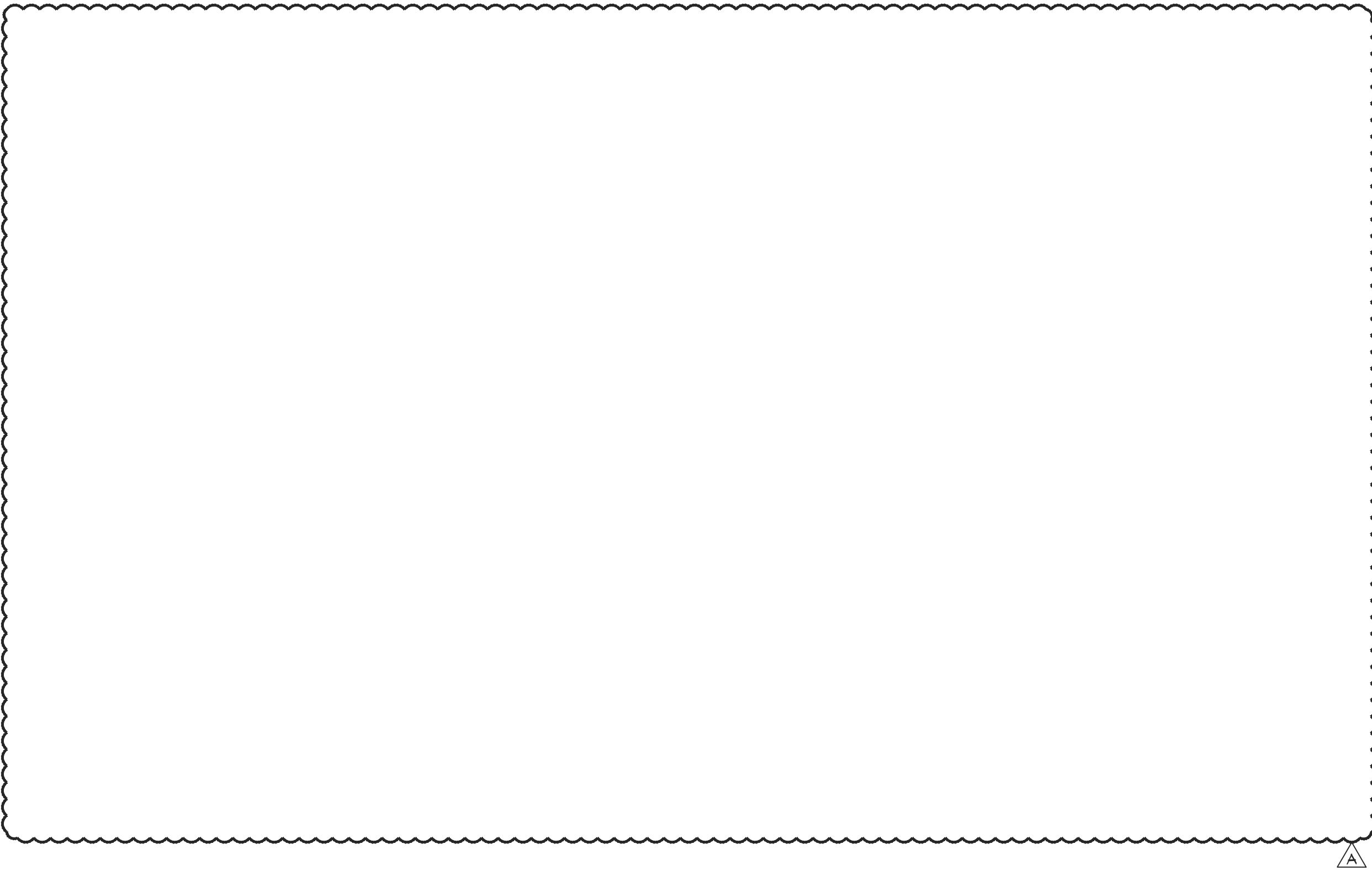
PANEL NAME:		(N) "AM"		FED FROM: (N) MSB-1	
VOLTAGE:		208/120V		MAIN C/B: 400A-3P	
PHASE:		3		BUSSING: 400 AMP	
WIRE:		4		MIN. AIC: 10,000	
TYPE:		NEMA 1		SUB-FEED C/B: 225A-3P	
MOUNTING:		SURFACE		FEED THRU LUGS: YES	
CIRCUIT DESCRIPTION		LOAD TYPE (KVA)		CIRCUIT DESCRIPTION	
(N) HEAT PUMP 1 - KINDERGARTEN 1		LTG-REC-MTR-NCL		(N) HEAT PUMP 2 - KINDERGARTEN 2	
" " " " " "		3.74 50A		3.74 50A	
(N) FAN COIL 1 - KINDERGARTEN 1		2P 3 7		2P 3 7	
" " " " " "		0.89 15A		0.89 15A	
(N) SPLIT SYSTEM AC UNIT 1 - ROOF		2P 11 13		(N) SPLIT SYSTEM AC UNIT 2 - ROOF	
" " " " " "		2.08 2P 11 13		1.25 2P 11 13	
(N) SPLIT SYSTEM AC UNIT 3 - ROOF		2P 15 17		SPARE	
" " " " " "		2.08 2P 15 17		SPARE	
SPARE		2P 19 21		SPARE	
SPARE		2P 23 25		SPARE	
SPARE		2P 27 29		SPARE	
SPARE		2P 31 33		SPARE	
SPARE		2P 35 37		SPARE	
SPARE		2P 39 41		SPARE	
(N) MOTOR RATED SWITCH FOR COND. PUMP - WING 1		2P 43 45		(N) WEATHER PROOF GFCI RECEPTACLE - WING #1	
		0.60 2P 43 45		0.18 2P 43 45	
		0 0 0.60 17.00		0.36 2P 43 45	
				0 0.54 0 11.77	
LOAD SUMMARY		CONNECTED KVA DEMAND FACTOR DEMAND KVA		Yes/No	
(LTG) LIGHTING X 125%		0 1.25 0.0		FULL RATED AIC Y	
(REC) RECEPTS PER 220.44:		0.5 1.00 0.5		SERIES RATED AIC N	
10KVA x 100% + REMAINDER x 50%		0 0.50 0.0		SURGE PROTECTIVE DEVICE N	
(MTR) LARGEST MOTOR X 125%		0.6 1.25 0.8		COPPER BUSSING Y	
REMAINING MOTORS x 100%		0 1.00 0.0		ALUMINUM BUSSING N	
(NCL) NON CONTINUOUS LOAD x 100%		29.4 1.00 29.4			
TOTAL DEMAND KVA				30.7	
TOTAL LOAD AMPERES				36.9	

PANEL NAME:		(N) "DM"		FED FROM: (N) MSB-1									
VOLTAGE:		208/120V		MAIN C/B: 400A-3P									
PHASE:		3		BUSSING: 400 AMP									
WIRE:		4		MIN. AIC: 10,000									
TYPE:		NEMA 1		SUB-FEED C/B: 225A-3P									
MOUNTING:		SURFACE		FEED THRU LUGS: YES									
CIRCUIT DESCRIPTION	LOAD TYPE (KVA)		CB	CKT #	CKT #	CB	LOAD TYPE (KVA)	CIRCUIT DESCRIPTION					
	LTG	REC	MTR	NCL	AMP/R	#	AMP/R	LTG	REC	MTR	NCL		
(N) HEAT PUMP 15 - CLASSROOM 15					3.74	50A	1	A	2	50A	3.74	(N) HEAT PUMP 18 - CLASSROOM 18	
" " " " " "					3.74		3	B	4	2P		" " " " " "	
(N) FAN COIL 15 - CLASSROOM 15					0.89	15A	5	C	6	15A	0.89	(N) HEAT PUMP 18 - CLASSROOM 18	
" " " " " "					0.89		7	A	8	2P		" " " " " "	
(N) HEAT PUMP 16 - CLASSROOM 16					3.74	50A	9	B	10	50A	3.74	(N) HEAT PUMP 19 - CLASSROOM 19	
" " " " " "					3.74		2P	11	C	12	2P	3.74	
(N) FAN COIL 16 - CLASSROOM 16					0.89	15A	13	A	14	15A	0.89	(N) HEAT PUMP 19 - CLASSROOM 19	
" " " " " "					0.89		15	B	16	2P	0.89	" " " " " "	
(N) HEAT PUMP 17 - CLASSROOM 17					3.74	50A	17	C	18	50A	3.74	(N) HEAT PUMP 20 - CLASSROOM 20	
" " " " " "					3.74		2P	19	A	20	2P	3.74	
(N) FAN COIL 17 - CLASSROOM 17					0.89	15A	21	B	22	15A	0.89	(N) HEAT PUMP 20 - CLASSROOM 20	
" " " " " "					0.89		2P	23	C	24	2P	0.89	
SPARE						20A/1P	25	A	26	20A/1P		SPARE	
SPARE						20A/1P	27	B	28	20A/1P		SPARE	
SPARE						20A/1P	29	C	30	20A/1P		SPARE	
SPARE						20A/1P	31	A	32	20A/1P		SPARE	
SPARE						20A/1P	33	B	34	20A/1P		SPARE	
SPARE						20A/1P	35	C	36	20A/1P		SPARE	
SPARE						20A/1P	37	A	38	20A/1P		SPARE	
SPARE						20A/1P	39	B	40	20A/1P		SPARE	
(N) MOTOR RATED SWITCH FOR COND. PUMP - WING 4					0.72	20A/1P	41	C	42	20A/1P	0.54	(N) WEATHER PROOF GFCI RECEPTACLE - WING #4	
	0	0	0.72	27.83						0	0.54	0	27.83
LOAD SUMMARY	CONNECTED KVA		DEMAND FACTOR		DEMAND KVA		Yes/No				KVA PHASE A (CONNECTED)		18.6
(LTG) LIGHTING X 125%	0		1.25		0.0		FULL RATED AIC: A				KVA PHASE B (CONNECTED)		18.6
(REC) RECEPTS PER 220.44:	0.5		1.00		0.5		SERIES RATED AIC: N				KVA PHASE C (CONNECTED)		19.8
10KVA x 100% + REMAINDER x 50%:	0		0.50		0.0		SURGE PROTECTIVE DEVICE: N						
(MTR) LARGEST MOTOR X 125% +	0.7		1.25		0.9		COPPER BUSSING: Y						
REMAINING MOTORS x 100%:	0		1.00		0.0		ALUMINUM BUSSING: N						
(NCL) NON CONTINUOUS LOAD x 100%:	55.7		1.00		55.7						TOTAL DEMAND KVA		57.1
											TOTAL LOAD AMPERES		68.8

PANEL NAME:		(N) "BM"						FED FROM: (N) MSB-1															
VOLTAGE:		208/120V						MAIN C/B: 400A-3P															
PHASE:		3						BUSSING: 400 AMP															
WIRE:		4						MIN AIC: 10,000															
TYPE:		NEMA 1						SUB-FEED C/B: 225A-3P															
MOUNTING:		SURFACE						FEED THRU LUGS: YES															
CIRCUIT DESCRIPTION		LOAD TYPE (KVA)				CB		CKT #		CKT #		CB		LOAD TYPE (KVA)				CIRCUIT DESCRIPTION					
		LTG-REC-MTR-NCL				AMP/R		#		#		AMP/R		LTG-REC-MTR-NCL									
(N) HEAT PUMP 3 - CLASSROOM 3		3.74				50A		1		A		2		3.74				(N) HEAT PUMP 6 - CLASSROOM 6					
" " " " " "		3.74				2P		3		B		4		3.74				" " " " " "					
(N) FAN COIL 3 - CLASSROOM 3		0.89				15A		5		C		6		0.89				(N) FAN COIL 6 - CLASSROOM 6					
" " " " " "		0.89				2P		7		A		8		0.89				" " " " " "					
(N) HEAT PUMP 4 - CLASSROOM 4		3.74				50A		9		B		10		3.74				(N) HEAT PUMP 7 - CLASSROOM 7					
" " " " " "		3.74				2P		11		C		12		3.74				" " " " " "					
(N) FAN COIL 4 - CLASSROOM 4		0.89				15A		13		A		14		0.89				(N) FAN COIL 7 - CLASSROOM 7					
" " " " " "		0.89				2P		15		B		16		0.89				" " " " " "					
(N) HEAT PUMP 5 - STAFF 5		3.74				50A		17		C		18		3.74				(N) HEAT PUMP 8 - CLASSROOM 8					
" " " " " "		3.74				2P		19		A		20		3.74				" " " " " "					
(N) FAN COIL 5 - CLASSROOM 5		0.89				15A		21		B		22		0.89				(N) FAN COIL 8 - CLASSROOM 8					
" " " " " "		0.89				2P		23		C		24		0.89				" " " " " "					
SPARE						20A/1P		25		A		26						SPARE					
SPARE						20A/1P		27		B		28						SPARE					
SPARE						20A/1P		29		C		30						SPARE					
SPARE						20A/1P		31		A		32						SPARE					
SPARE						20A/1P		33		B		34						SPARE					
SPARE						20A/1P		35		C		36						SPARE					
SPARE						20A/1P		37		A		38						SPARE					
SPARE						20A/1P		39		B		40		0.54				(N) WEATHER PROOF GFCI RECEPTACLE - WING #2					
(N) MOTOR RATED SWITCH FOR COND. PUMP - WING 2						20A/1P		41		C		42		0.72				SPARE					
		0				0		0.72		27.83				0				0.54		0		27.83	
LOAD SUMMARY		CONNECTED KVA				DEMAND FACTOR				DEMAND KVA				Yes/No				KVA PHASE A (CONNECTED)				18.6	
(LTG) LIGHTING X 125%:		0				1.25				0.0								KVA PHASE B (CONNECTED)				19.1	
(REC) RECEPTS PER 220.44:		0.5				1.00				0.5								KVA PHASE C (CONNECTED)				19.3	
10KVA x 100% + REMAINDER x 50%:		0				0.50				0.0													
(MTR) LARGEST MOTOR X 125%:		0.7				1.25				0.9													
REMAINING MOTORS x 100%:		0				1.00				0.0													
(NCL) NON CONTINUOUS LOAD x 100%:		55.7				1.00				55.7													

PANEL NAME:		(N) "EM"						FED FROM: (N) MSB-1						
VOLTAGE:		208/120V						MAIN C/B: 200A-3P						
PHASE:		3						BUSSING: 200 AMP						
WIRE:		4						MIN AIC: 42,000						
TYPE:		NEMA 1						SUB-FEED C/B:						
MOUNTING:		SURFACE						FEED THRU LUGS: YES						
CIRCUIT DESCRIPTION		LOAD TYPE (KVA)		CB		CKT #		CB		LOAD TYPE (KVA)		CIRCUIT DESCRIPTION		
		LTG	REC	MTR	NCL	AMP/R	#	AMP/R	LTG	REC	MTR	NCL		
(N) HEAT PUMP 32 - CLASSROOM 32						3.74	50A						3.74	(N) HEAT PUMP 35 - CLASSROOM 35
" " " " " "						3.74	2P						3.74	" " " " " "
(N) FAN COIL 32 - CLASSROOM 32						0.89	15A						0.89	(N) FAN COIL 35 - CLASSROOM 35
" " " " " "						0.89	2P						0.89	" " " " " "
(N) HEAT PUMP 33 - CLASSROOM 33						3.74	50A						3.74	(N) HEAT PUMP 36 - HALLWAY
" " " " " "						3.74	2P						3.74	" " " " " "
(N) FAN COIL 33 - CLASSROOM 33						0.89	15A						0.89	(N) FAN COIL 36 - CLASSROOM 36
" " " " " "						0.89	2P						0.89	" " " " " "
(N) HEAT PUMP 34 - CLASSROOM 34						3.74	50A						3.74	SPARE
" " " " " "						3.74	2P						3.74	SPARE
(N) FAN COIL 34 - CLASSROOM 34						0.89	15A						0.89	SPARE
" " " " " "						0.89	2P						0.89	SPARE
SPARE						0.89	2P						0.89	SPARE
SPARE						0.89	2P						0.89	SPARE
SPARE						0.89	2P						0.89	SPARE
SPARE						0.89	2P						0.89	SPARE
SPARE						0.89	2P						0.89	SPARE
SPARE						0.89	2P						0.89	SPARE
SPARE						0.89	2P						0.89	SPARE
(N) MOTOR RATED SWITCH FOR COND. PUMP-ESC, LGI						0.60	20A/1P						0.60	(N) WEATHER PROOF GFCI RECEPTACLE - ESC, LGI
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
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						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60	20A/1P						0.60	
						0.60								

PANEL NAME: (N) "CM"		FED FROM: (N) MSB-1										
VOLTAGE: 208/120V		MAIN C/B: 400A-3P										
PHASE: 3		BUSSING: 400 AMP										
WIRE: 4		MIN. AIC: 10,000										
TYPE: NEMA 1		SUB-FEED C/B: 225A-3P										
MOUNTING: SURFACE		FEED THRU LUGS: YES										
CIRCUIT DESCRIPTION		LOAD TYPE (KVA)	CB	CKT #	CKT #	CB	LOAD TYPE (KVA)	CIRCUIT DESCRIPTION				
(N) HEAT PUMP 9 - CLASSROOM 9		LTG-REC-MTR-NCL	AMP/R	#	#	AMP/R	LTG-REC-MTR-NCL	(N) HEAT PUMP 12 - CLASSROOM 12				
" " " " " "				1	2	50A		" " " " " "				
(N) FAN COIL 9 - CLASSROOM 9			3.74	2P	3	4	2P	" " " " " "				
" " " " " "			0.89	15A	5	6	15A	(N) HEAT PUMP 12 - CLASSROOM 12				
" " " " " "			0.89	2P	7	8	2P	" " " " " "				
(N) HEAT PUMP 10 - CLASSROOM 10			3.74	50A	9	10	50A	(N) HEAT PUMP 13 - CLASSROOM 13				
" " " " " "			3.74	2P	11	12	2P	" " " " " "				
(N) FAN COIL 10 - CLASSROOM 10			0.89	15A	13	14	15A	(N) HEAT PUMP 13 - CLASSROOM 13				
" " " " " "			0.89	2P	15	16	2P	" " " " " "				
(N) HEAT PUMP 11 - CLASSROOM 11			3.74	50A	17	18	50A	(N) HEAT PUMP 14 - CLASSROOM 14				
" " " " " "			3.74	2P	19	20	2P	" " " " " "				
(N) FAN COIL 11 - CLASSROOM 11			0.89	15A	21	22	15A	(N) HEAT PUMP 14 - CLASSROOM 14				
" " " " " "			0.89	2P	23	24	2P	" " " " " "				
SPARE				20A/1P	25	26	20A/1P	SPARE				
SPARE				20A/1P	27	28	20A/1P	SPARE				
SPARE				20A/1P	29	30	20A/1P	SPARE				
SPARE				20A/1P	31	32	20A/1P	SPARE				
SPARE				20A/1P	33	34	20A/1P	SPARE				
SPARE				20A/1P	35	36	20A/1P	SPARE				
SPARE				20A/1P	37	38	20A/1P	SPARE				
SPARE				20A/1P	39	40	20A/1P	SPARE				
(N) MOTOR RATED SWITCH FOR COND. PUMP - WING 3			0.72	20A/1P	41	42	20A/1P	(N) WEATHER PROOF GFCI RECEPTACLE - WING #3				
			0	0	0.72	27.83		0	0.54	0	27.83	
LOAD SUMMARY		CONNECTED KVA		DEMAND FACTOR		DEMAND KVA		Yes/No		KVA PHASE A (CONNECTED)		18.6
(LTG) LIGHTING X 125%		0		1.25		0.0				KVA PHASE B (CONNECTED)		18.6
(REC) RECEPTS PER 220.44:		0.5		1.00		0.5				KVA PHASE C (CONNECTED)		19.8
10(KVA x 100% + REMAINDER x 50%)		0		0.50		0.0						
(MTR) LARGEST MOTOR X 125%:		0.7		1.25		0.9						
REMAINING MOTORS x 100%		0		1.00		0.0						
(NCL) NON CONTINUOUS LOAD x 100%		55.7		1.00		55.7				TOTAL DEMAND KVA		57.1
										TOTAL LOAD AMPERES		68.8



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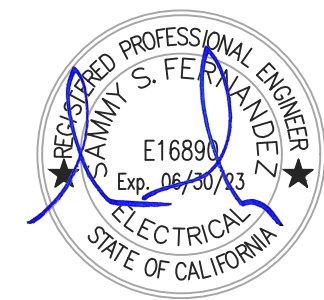
www.aedisarchitects.com
387 S. 1st Street, Suite 300
San Jose, CA 95118
tel: (408)-300-5160
fax: (408)-300-5121

PROJECT

GEORGE HALL
ELEMENTARY
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REPLACEMENT

SAN MATEO-FOSTER CITY
SCHOOL DISTRICT

CONSULTANT



American Consulting Engineers
Electrical, Inc.
1380 The Alameda, Suite 202
San Jose, CA 95126
JOB # E021032.00
408/236-2312
Fax: 408/236-2314

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41-26

APPL #

01-119523

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