San Rafael City Schools

SRCS District Office Modernization

310 Nova Albion Way, San Rafael, CA 94903

100% Design Development

09/06/2024

HED

2024-SR001-001

9/9/2024 3:35:05 PM

DSA NOTES

1. DSA APPROVED PLANS AND SPECIFICATIONS
THE CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE DSA APPROVED PLANS AND SPECIFICATIONS. THE DSA APPROVED PLANS AND SPECIFICATIONS SHALL NOT BE CHANGED OR MODIFIED WITHOUT THE APPROVAL OF THE DIVISION OF THE STATE ARCHITECT (DSA) PER SECTION 4-338, PART 1, TITLE 24, C.C.R.
CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD).

2. ADDITIONAL DSA REQUIREMENTS
ALL SECTION NUMBERS BELOW REFER TO PART 1, CHAPTER 4, PART 1, TITLE 24, C.C.R.:

(A) CHANGES TO THE DSA APPROVED PLANS AND SPECIFICATIONS BY ADDENDA AND CONSTRUCTION CHANGE DOCUMENTS SHALL BE SUBMITTED AND APPROVED BY DSA PER SECTION 4-338.

(B) CLASS 3 DSA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF WORK PER SECTION 4-333(B) AND 4-342.

(C) A DSA ACCEPTED TESTING LABORATORY EMPLOYED BY THE DISTRICT SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT PER SECTION 4-335.

(D) SPECIAL INSPECTION PER SECTION 4-333(C) AND 4-335.

(E) CONTRACTOR SHALL SUBMIT VERIFIED REPORTS PER SECTION 4-336 AND 4-343(C).

(F) ADMINISTRATION OF CONSTRUCTION PER PART 1, TITLE 24, C.C.R.
(a) DUTIES OF ARCHITECT, STRUCTURAL ENGINEER, OR PROFESSIONAL ENGINEER PER SECTION 4-333(A) AND 4-341.
(b) DUTIES OF CONTRACTOR PER SECTION 4-343.
(c) VERIFIED REPORTS PER SECTION 4-336.

(G) A COPY OF PART I AND II OF TITLE 24 SHALL BE KEPT AND AVAILABLE IN THE FIELD DURING CONSTRUCTION.

(H) DSA SHALL BE NOTIFIED ON START OF CONSTRUCTION PER SECTION 4-331.

(I) SUPERVISION BY THE DIVISION OF THE STATE ARCHITECT PER SECTION 4-334.

(J) DSA IS NOT SUBJECT TO ARBITRATION.

(K) ALL DSA FEES SHALL BE PAID FOR BY OWNER.

(L) GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

3. SPECIFICATIONS
THE SPECIFICATIONS ARE A VITAL PART OF THESE CONTRACT DOCUMENTS, THEY ARE FOUND IN THE BOUND PROJECT MANUAL. THE CONTRACTOR AND THEIR PERSONNEL SHALL BECOME INTIMATELY FAMILIAR WITH THE SPECIFICATIONS PRIOR TO BIDDING THE PROJECT AND STARTING ANY CONSTRUCTION.

4. DIMENSIONS
(A) DIMENSIONS SHALL GOVERN ON WORKING DRAWINGS. DO NOT SCALE DRAWINGS.
(B) ALL DIMENSIONS ARE APPROXIMATE DUE TO THE AS-BUILT CONDITIONS VARYING FROM ACTUAL FIELD CONDITIONS. ALL DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO COMMENCING WORK.

5. OF THE SAME CHARACTER
IN THE EVENT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS OR CALLED FOR IN THE NOTES OR SPECIFICATIONS, THEN THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN OR CALLED FOR.

6. CONFLICTS BETWEEN DRAWINGS & SPECIFICATIONS
SHOULD CONFLICTS OCCUR BETWEEN THE DRAWINGS AND SPECIFICATIONS, DRAWINGS SHALL GOVERN IN MATTERS OF DIMENSION OR QUANTITY; SPECIFICATIONS SHALL GOVERN IN MATTERS OF MATERIALS OR FINISHES.

7. MOST EXPENSIVE REQUIREMENT
IN CASE OF DISCREPANCIES OR CONFLICTS IN INFORMATION OR REQUIREMENTS WITHIN THE DRAWINGS, WITHIN THE SPECIFICATIONS, OR BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE MOST EXPENSIVE REQUIREMENT SHOWN OR SPECIFIED SHALL BE THE BASIS OF THE CONTRACT AND NOTED IN THE BID.

8. SUBCONTRACTORS & CONSTRUCTION DOCUMENTS
(A) THE GENERAL CONTRACTOR SHALL PROVIDE OR MAKE AVAILABLE A COMPLETE SET OF CONSTRUCTION DOCUMENTS [INCLUDING DRAWINGS AND SPECIFICATIONS] TO EVERY SUBCONTRACTOR BIDDING ANY PORTION OF THIS PROJECT.
(B) THE CONSTRUCTION DOCUMENTS SHALL NOT BE SEPARATED INTO DISCIPLINES (ARCHITECTURAL, MECHANICAL, ELECTRICAL, ETC.) FOR THE PURPOSES OF SUBCONTRACTOR BIDDING.
(C) THE GENERAL CONTRACTOR SHALL REQUIRE BIDDING SUBCONTRACTOR TO REVIEW THE ENTIRE SET OF CONSTRUCTION DOCUMENTS TO OBTAIN CLARITY ON THE COMPLETE SCOPE OF THEIR WORK, AND REFER TO CROSS DISCIPLINE DRAWINGS FOR FULL COORDINATION OF WORK WITH OTHER TRADES, AND TO BE AWARE OF ALL WORK WHICH DOES NOT APPEAR WITHIN THE PARTICULAR DISCIPLINES DRAWINGS FOR THE SUBCONTRACTOR TRADE.
(D) FURTHERMORE, THE GENERAL CONTRACTOR SHALL ENSURE THAT EACH SUBCONTRACTOR WORKING ON THE PROJECT MAINTAINS A FULL SET OF THE CONSTRUCTION DOCUMENTS THROUGH OUT THE CONSTRUCTION OF THE PROJECT.

9. PLANS AVAILABLE ON SITE
(A) DSA APPROVED PLANS SHALL BE KEPT IN A PLAN BOX IN THE FIELD OFFICE AND SHALL NOT BE USED BY WORKERS.

(B) ALL CONSTRUCTION SETS SHALL BE KEPT UP TO DATE, AND REFLECT THE SAME INFORMATION AS THE GENERAL CONTRACTOR'S SET.

(C) THE CONTRACTOR SHALL ALSO MAINTAIN, IN GOOD CONDITION, ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CONSTRUCTION CHANGE DOCUMENTS ON THE PREMISES AT ALL TIMES. THESE ARE TO BE UNDER THE CARE OF THE JOB SUPERINTENDENT.

10. REVIEW PLANS & EXISTING SITE CONDITIONS
THE CONTRACTOR SHALL THOROUGHLY REVIEW PLANS AND EXISTING SITE CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES, ERRORS, OR OMISSIONS PRIOR TO CONSTRUCTION,

11. VERIFY ALL EXISTING CONDITIONS
PRIOR TO CONSTRUCTION AND GRADING, VERIFY ALL EXISTING CONDITIONS AND CONTACT UTILITY COMPANIES AND AFFECTED CITY AGENCIES. CONTACT "UNDERGROUND SERVICE ALERT."

12. CONTRACTOR'S RESPONSIBILITIES
(A) NEITHER THE ARCHITECT, NOR THE ENGINEERS, NOR THE OWNER SHALL BE RESPONSIBLE FOR: CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONTRACTOR; SAFETY PRECAUTIONS AND PROGRAMS OF CONTRACTOR; THE ACTS OR OMISSIONS OF CONTRACTOR, OR THE FAILURE OF CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

(B) GENERAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND FIELD VERIFYING DEMOLITION REQUIREMENTS IN RELATION TO CONSTRUCTION DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION REQUIRED TO INSTALL NEW WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY SHORING, BRACING AND SUPPORT SYSTEMS NECESSARY TO INSTALL NEW WORK. THE ARCHITECT IS TO BE NOTIFIED OF ANY AND ALL CONFLICTS, DISCREPANCIES OR PROBLEMS.

(C) CONTRACTOR TO REPAIR AND PATCH ALL AREAS DISTURBED DUE TO THIS PROJECT'S SCOPE OF WORK.

(D) WORK NOTED AS "O.F.C.I." (OWNER-FURNISH, CONTRACTOR-INSTALL) SHALL MEET ALL APPLICABLE CODES & REGULATORY REQUIREMENTS, AND SHALL BE INSTALLED & FULLY OPERATIONAL PRIOR TO FINAL APPROVAL & OCCUPANCY OF THIS PROJECT. ATTACHMENTS SUBJECT TO DSA APPROVAL

(E) CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF WORK "BY OTHERS".

13. SAFETY
(A) CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR SAFETY ON OR ABOUT THE CONSTRUCTION SITE IN ACCORDANCE WITH APPLICABLE LAWS AND CODE, AND SHALL OBSERVE SAFETY PROVISIONS OF THE LATEST MANUAL OF ACCIDENT PREVENTION, PUBLISHED BY THE ASSOCIATION OF GENERAL CONTRACTORS OF AMERICA.

(B) COMPLIANCE WITH CFC CHAPTER 33 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION, AND CBC CHAPTER 33 SAFEGUARDS DURING CONSTRUCTION WILL BE ENFORCED.

14. EXISTING UTILITIES & PROPERTY
IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, WHETHER SHOWN HEREIN OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL THE EXPENSE FOR REPAIR OR REPLACEMENT OF UTILITIES AND/OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF WORK.

15. ERRORS, INCONSISTENCIES, OR OMISSIONS
THE CONTRACTOR SHALL REPORT TO THE ARCHITECT ANY ERRORS, INCONSISTENCIES, OR OMISSIONS HE MAY DISCOVER. THE CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY ERROR AFTER THE START OF CONSTRUCTION WHICH HAS NOT BEEN BROUGHT TO THE ATTENTION OF THE ARCHITECT. THE MEANS OF CORRECTING ANY ERROR SHALL BE FIRST APPROVED BY THE OWNER AND DSA.

16. FIELD CONFIRMATION OF DISCREPANCIES
FIELD CONFIRMATION OF DISCREPANCIES SHALL BE RECORDED ON A REPRODUCIBLE DOCUMENT AND IMMEDIATELY TRANSMITTED TO ARCHITECT FOR PROJECT RECORD, COORDINATION, AND NECESSARY RESOLUTION PRIOR TO CONTINUING WORK.

17. MATERIAL & PRODUCT INSTALLATION
(A) INSTALL ALL MATERIALS AND PRODUCTS IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE ICC REPORTS.

(B) USE OF ANY MATERIAL CONTAINING ASBESTOS IS PROHIBITED.

(C) ALL ITEMS NOTED TO BE SALVAGED SHALL BE RETURNED TO THE OWNER.

18. STRUCTURAL MEMBERS
NO STRUCTURAL MEMBERS SHALL BE CUT TO ACCEPT PIPES, VENTS, DUCTS, ETC., EXCEPT AS DETAILED OR SPECIFIED HEREIN OR AS APPROVED BY THE ARCHITECT OF RECORD AND DSA IN WRITING.

19. EXTERIOR OPENINGS
EXTERIOR OPENINGS SHALL COMPLY WITH ALL SECURITY REQUIREMENTS AS OUTLINED IN ALL LOCAL BUILDING CODES AND/OR ORDINANCES.

20. SECURING THE SITE
CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE SECURITY OF THE SITE WHILE THE JOB IS IN PROGRESS AND UNTIL THE JOB IS COMPLETE.

21. MAINTAINING THE SITE
CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER. ALL DEBRIS SHALL BE REMOVED FROM PREMISES.

22. A COMPLETELY FINISHED PROJECT
(A) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL WORK REQUIRED FOR A COMPLETELY FINISHED PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK FURNISHED BY SUBCONTRACTORS.

(B) UPON COMPLETION OF THE PROJECT, THE GENERAL CONTRACTOR SHALL SUBMIT CERTIFICATES OF INSPECTION OF SATISFACTORY COMPLETION, AND OPERATION AND MAINTENANCE INSTRUCTIONS OF ALL EQUIPMENT TO THE OWNER.

23. IN ACCORDANCE WITH TITLE 24, C.C.R.
THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS FOR ALL CONSTRUCTION TO BE IN ACCORDANCE WITH TITLE 24, C.C.R. SHOULD ANY CONDITIONS DEVELOP OR ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH THE SAID TITLE 24, C.C.R. A CONSTRUCTION CHANGE DOCUMENT DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY D.S.A. BEFORE PROCEEDING WITH THE WORK.

24. SUBMITTALS
(A) ALL SUBMITTALS & SHOP DRAWINGS SHALL BE REVIEWED, STAMPED APPROVED BY THE GENERAL CONTRACTOR PRIOR TO ISSUING TO THE ARCHITECT. NO DOCUMENTS FROM SUBCONTRACTORS SHALL BE SUBMITTED DIRECTLY TO THE ARCHITECT OR TO THE ARCHITECTS CONSULTANTS.

(B) THE ARCHITECT'S APPROVAL OF SHOP DRAWINGS SHALL NOT RELIEVE THE GENERAL CONTRACTOR FROM RESPONSIBILITY FOR DEVIATIONS FROM DRAWINGS OR SPECIFICATIONS UNLESS HE HAS (IN WRITING) CALLED THE ARCHITECT'S ATTENTION TO SUCH DEVIATIONS AT THE TIME OF SUBMISSION NOR SHALL IT RELIEVE HIM OF RESPONSIBILITY FOR ERRORS OF ANY SORT IN THE SHOP DRAWINGS.

(C) THE CONTRACTOR SHALL NOTE THAT THERE SHALL BE NO SUBSTITUTIONS FOR ANY MATERIAL UNLESS SPECIFIC MANUFACTURERS ARE APPROVED BY THE ARCHITECT. WHERE "APPROVED EQUAL" IS USED, IT SHALL BE UNDERSTOOD THAT THE SUBSTITUTE SHALL BE BY JUDGMENT AND APPROVAL OF THE ARCHITECT AND APPROVAL SHALL BE MADE PRIOR TO MATERIAL PROCUREMENT.

SUBSTITUTIONS AFFECTING ITEMS REGULATED BY THE DIVISION OF THE STATE ARCHITECT (DSA) REQUIRE DSA APPROVAL AS AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD). DSA APPROVAL SHALL BE OBTAINED PRIOR TO FABRICATION AND/OR INSTALLATION PER SECTION 4-338, PART 1, TITLE 24, CCR.

(D) THE CONTRACTOR SHALL SUBMIT ALL PERTINENT SHOP DRAWINGS AND COLOR SAMPLES (INCLUDING CASEWORK) FOR THE ARCHITECT'S REVIEW. ALLOWING ADEQUATE TIME FOR REVIEW AND CORRECTIVE ACTION, SHOULD IT BE REQUIRED. BY SUBMITTING SHOP DRAWINGS, THE CONTRACTOR THEREBY REPRESENTS THAT HE HAS VERIFIED ALL FIELD MEASUREMENTS, METHODS OF ACCESS TO THE POINT OF INSTALLATION AND SIMILAR FIELD CRITERIA FOR CABINETRY/MILLWORK AND ALL PREFABRICATED ASSEMBLIES OTHER THEN BUILDING STANDARD WORK.

25. HAZARDOUS MATERIALS OR TOXIC SUBSTANCES
THE ARCHITECT HAS NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO, HAZARDOUS MATERIALS OR TOXIC SUBSTANCES IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB), LEAD PAINT OR OTHER TOXIC SUBSTANCES. THE FACT THAT THESE DOCUMENTS DO NOT INDICATE THE PRESENCE OF OR REMOVAL OR CONTAINMENT OF THE FOREGOING IS NOT INTENDED TO INDICATE THAT THESE MATERIALS OR SUBSTANCES, AMONG OTHERS, ARE NOT PRESENT AND ARE NOT REQUIRED TO BE REMOVED OR CONTAINED IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

26. AUTOMATED EXTERNAL DEFIBRILATORS (OFCI)
TO BE PROVIDED BY DISTRICT PER CODE REQUIREMENTS, OFCI

27. CALIFORNIA ENERGY CODE ACCEPTANCE TESTING REQUIREMENTS

(A) THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSUIRE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.

(B) LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHT CONTROLS ACCEPTANCE TECHNICIAN (ATT).

(C) MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021

(D) ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT

(E) A LISTING OF CERTIFIED ATT CAN BE FOUND AT: HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE.

(F) THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA

(G) PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

28. DSA REQUIRED DISCLOSURE STATEMENT
DSA APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED AS THE CERTIFICATION OF COMPLIANCE FOR THE FOLLOWING BUILDING(S) AS REQUIRED BY THE FIELD ACT, EDUCATION CODE SECTION 17280-17316 AND SECTIONS 81130-81147. BUILDINGS C AND BUILDING L

29. CODE COMPLIANCE
ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)

WORK SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 33 OF THE CBC & CFC, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION."

Statement of General Conformance

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS,
INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS

(Application No. 01-XXXXXX File No. XX-XX)

☒ The drawings or sheets listed on the cover or index sheet except any sheet stamped and signed by the design professional in general responsible charge (DPGRC).
☐ This drawing, page of specifications/ calculations

have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

1. design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2. coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344" of Title 24, Part 1. *(Title 24, Part 1, Section 4-317 (b))*

I certify that: ☐ All drawings or sheets listed on the cover or index sheet except any sheet stamped and signed by the design professional in general responsible charge (DPGRC).
☐ This drawing or page

☐ is/are in general conformance and ☐ have been coordinated	☐ is/are in general conformance and ☐ have been coordinated
Signature / **Date**	**Signature** / **Date**
Architect or Engineer designated to be in general responsible charge	**Architect or Engineer delegated responsibility for this portion of the work.**
Print Name	**Print Name**
License Number / **Expiration Date**	**License Number** / **Expiration Date**

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PROJECT TEAM

OWNER
SAN RAFAEL CITY SCHOOLS
SAN RAFAEL HIGH SCHOOL DISTRICT
310 NOVA ALBION WAY
SAN RAFAEL, CA 94903
TEL (415) 485-2445

ARCHITECT OF RECORD
HARLEY ELLIS DEVEREAUX
417 MONTGOMERY STREET SUITE 400
SAN FRANCISCO, CA 94104
TEL (415) 981-2345

MECHANICAL & PLUMBING ENGINEER OF RECORD
H&M MECHANICAL GROUP
8517 EARHART RD, SUITE 230
OAKLAND, CA 94621
TEL (510) 569-2000

ELECTRICAL ENGINEER OF RECORD
O'MAHONY & MYER
4340 REDWOOD HWY, SUITE 245
SAN RAFAEL, CA 94903
TEL (415) 492-0420

APPLICABLE CODES

2022 CALIFORNIA BUILDING CODE (CBC) PART 2, TITLE 24, (CCR)
2022 CALIFORNIA GREEN BUILDING CODE PART 11, TITLE 24, (CCR)
2022 CALIFORNIA FIRE CODE (CFC) PART 9, TITLE 24 (CCR)
2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 (CCR)
2022 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24 (CCR)
2022 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24 (CCR)
2022 CALIFORNIA ENERGY CODE (CEC) PART 6, TITLE 24, (CCR)
2022 CALIFORNIA ADMINISTRATIVE CODE (CAC) PART 1, TITLE 24 (CCR)
2010 ADA STANDARDS ACCESSIBLE DESIGN
CCR TITLE 19 PUBLIC SAFETY DIVISION 1 STATE FIRE MARSHAL

INCLUDING ANY CODES REFERRED TO BY THE ABOVE,

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CODES. LIFE SAFETY CODE 101 AND
OTHER NFPA PAMPHLETS. REGULATIONS THAT RELATE TO THE LICENSING OF HEALTH
FACILITIES, SUCH AS TITLE 22, DIVISION 5, CHAPTER 1, 2, 3, 4, AND 5

THE ABOVE CODES AND REGULATIONS REFER TO THE LATEST EDITION OR REVISION IN FORCE ON THE DATE OF THE CONTRACT, UNLESS OTHERWISE STATED. NOTHING ON THE DRAWINGS IS TO BE CONSTRUED AS REQUIRING OR PERMITTING WORK THAT IS CONTRARY TO THE LISTED CODES AND REGULATIONS, OR OTHER LOCAL STATE OR FEDERAL CODES OR REGULATIONS WHICH MAY BE APPLICABLE.

DEFERRED SUBMITTALS

TBD

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF INTERIOR, NON-STRUCTURAL DEMOLITION AND REMODEL OF BUSINESS SERVICES & CAPITAL FACILITIES OFFICES.

ALL BUILDINGS ARE EXISTING AND NO SITE WORK IS INCLUDED IN PROJECT SCOPE.

ADDRESS: 320 NOVA ALBION WAY, SAN RAFAEL, CA 94903
APN: 175-060-31

BUILDING 'C'

EXISTING NUMBER OF STORIES (NO CHANGE): 2

EXISTING BUILDING HEIGHT (NO CHANGE): 24'-2"

EXISTING BUILDING SQUARE FOOTAGE (NO CHANGE): 16,386 SF

EXISTING BUILDING OCCUPANCY TYPE: B

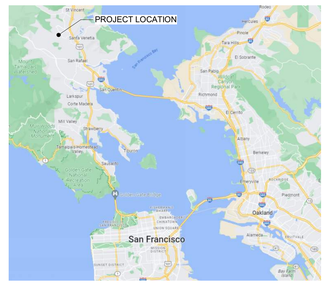
PROJECT AREA:	
LEVEL 1:	5,324 SF
LEVEL 2:	6,641 SF
TOTAL:	11,965 SF

CONSTRUCTION TYPE: V-B

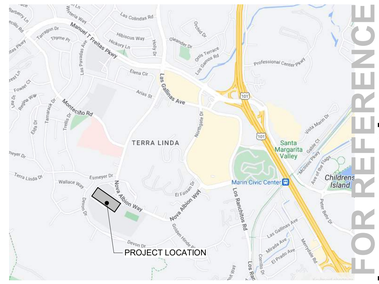
SPRINKLERED: NO

FOR REMAINDER OF CODE ANALYSIS, SEE SHEET AC-101.

VICINITY MAP



AREA MAP



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SAN RAFAEL CITY SCHOOLS
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△	Date	Issued For
3	07/15/2024	100% Schematic Design
4	09/06/2024	100% Design Development

HED
417 Montgomery Street
Suite 400
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94104 USA

(415) 981-2345

WWW.HED.DESIGN

NOT FOR CONSTRUCTION
FOR REFERENCE ONLY

2024-SR001-001

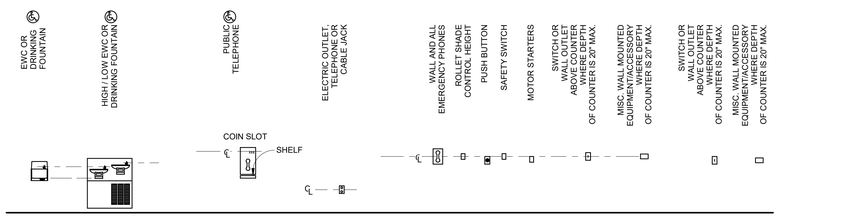
Project Information

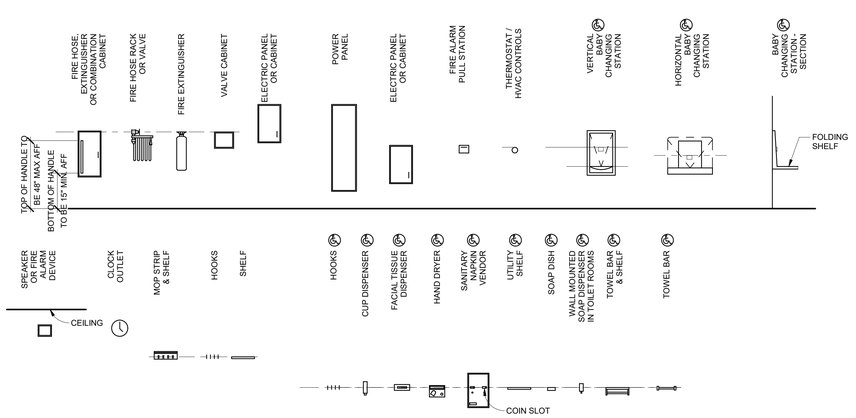
G-001

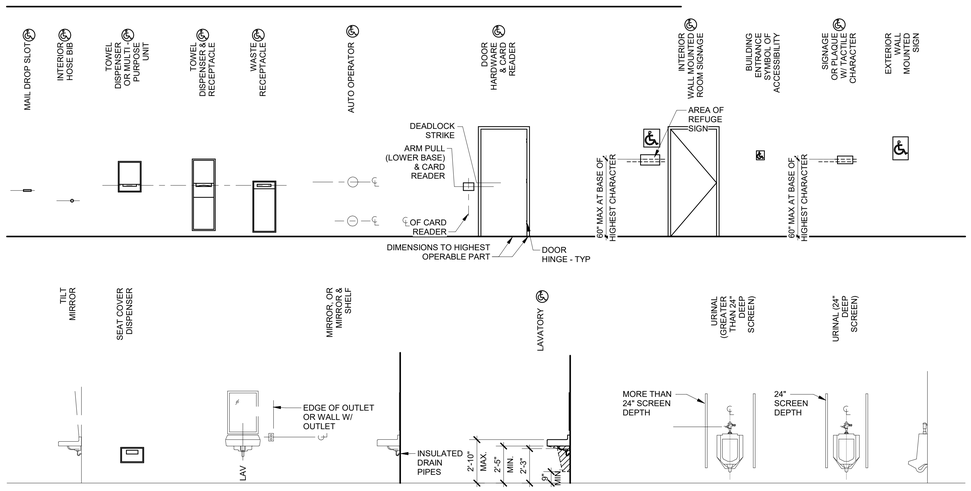
Autodesk Docs://SR001_SRCS Terra Linda HS/2024-SR001-001_Arch_HED.rvt

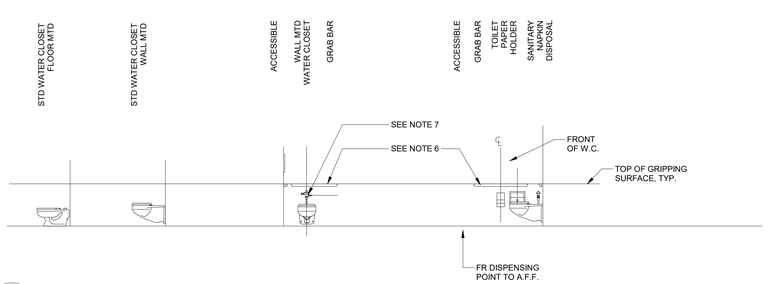
NOTES:

1. MOUNTING DIMENSIONS SHOW ACCESSIBLE AND NON-ACCESSIBLE CONDITIONS. WHEN ONLY ONE OPTION IS SHOWN - ALL ITEMS IN PROJECT SHALL BE ACCESSIBLE. WHEN ITEMS CAN BE ACCESSIBLE OR NON ACCESSIBLE DRAWINGS SHALL INDICATE LOCATION OF ACCESSIBLE ITEMS BY THIS SYMBOL
2. COORDINATE ITEMS SHOWN ON THIS DRAWING WITH PLANS AND SPECIFICATIONS FOR ACTUAL ITEMS USED ON THIS PROJECT.
3. NOT EVERY ITEM SHOWN ON THIS DRAWING IS NECESSARILY USED ON THIS PROJECT.
4. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS (22.2N) MAXIMUM (INCLUDING SANITARY DISPENSERS).
5. OBJECTS WITH LEADING EDGES MORE THAN 27 INCHES (686 mm) AND NOT MORE THAN 80 INCHES (2032 mm) ABOVE THE FINISHED FLOOR OR GROUND SHALL PROTRUDE 4 INCHES (102 mm) MAXIMUM HORIZONTALLY INTO THE CIRCULATION PATH (INCLUDING ALL SHELVING UNITS).
6. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS BELOW AND AT THE ENDS SHALL BE 1-1/2" MIN. THE SPACE BETWEEN THE GRAB BAR AND PROJECTING OBJECTS ABOVE SHALL BE 12" MINIMUM.
7. HAND OPERATED FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET.
8. FIRE EXTINGUISHER CABINET SHOULD BE OPERABLE WITH ONE HAND AND SHOULD NOT REQUIRE GRASPING OR PINCHING TO OPERATE.

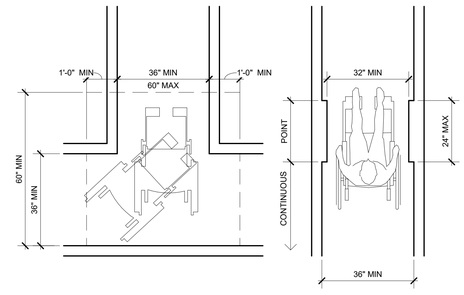




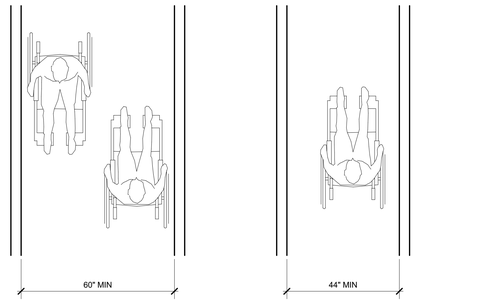




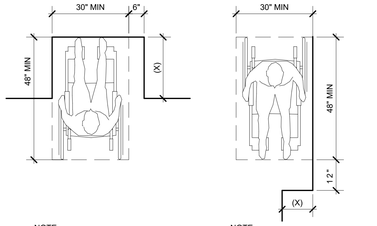
7 GENERAL MOUNTING DIMENSIONS
1/4" = 1'-0"



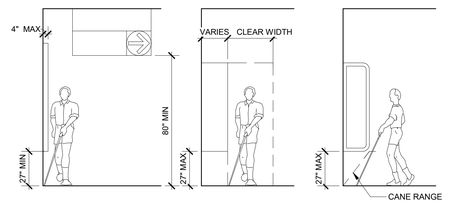
6 MINIMUM CLEAR WIDTH/ TURNING SPACE
1/2" = 1'-0"



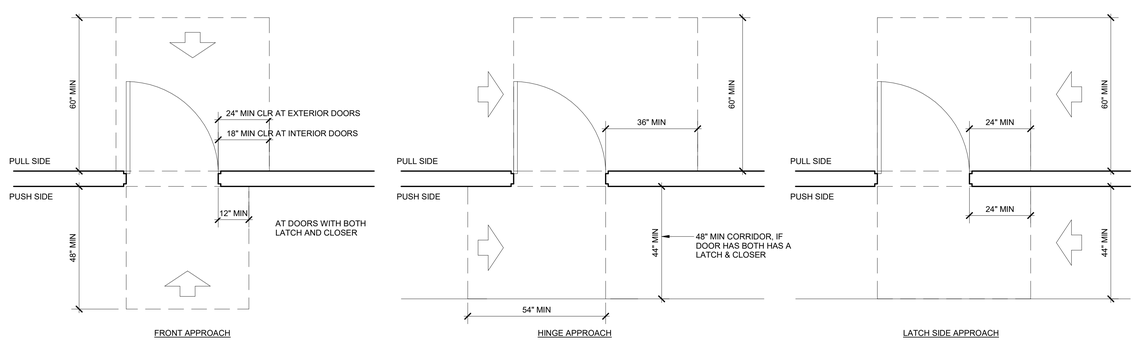
5 MINIMUM CORRIDOR WIDTH
1/2" = 1'-0"



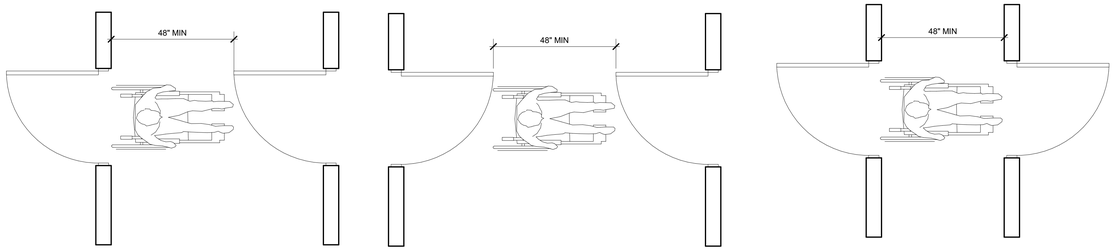
4 MANEUVERING CLEARANCE AT ALCOVES
1/2" = 1'-0"



3 PROTRUDING OBJECTS
1/4" = 1'-0"



2 SWING DOOR APPROACH
1/2" = 1'-0"



1 DOORS AND GATES IN SERIES
1/2" = 1'-0"

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3	07/15/2024	100% Schematic Design
4	09/06/2024	100% Design Development

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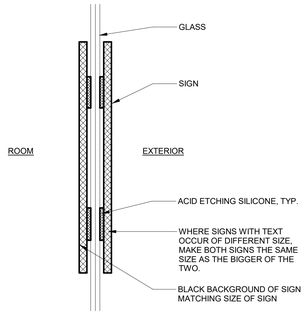
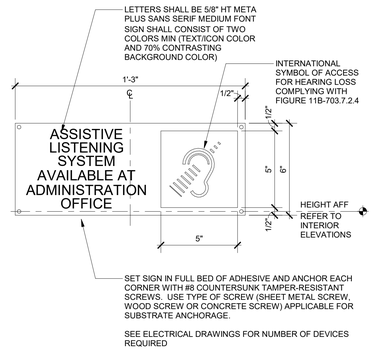
Accessibility Standards

G-002



8 SIGNAGE AT GLASS

6" = 1'-0"

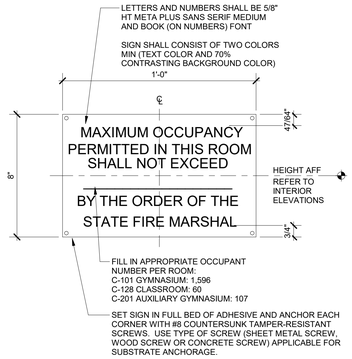


4 ASSISTIVE LISTENING DEVICE

3" = 1'-0"

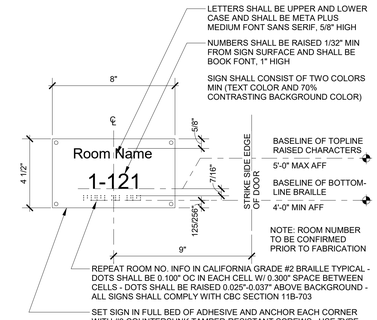
SIGNAGE SCHEDULE NOTES

1. SIGNAGE SCHEDULE ADDRESSES SIGNAGE ASSOCIATED WITH DOORS ONLY. SEE FLOOR PLANS, EXTERIOR ELEVATIONS AND INTERIOR ELEVATIONS FOR ADDITIONAL SIGNAGE NOT CALLED OUT IN THE SIGNAGE SCHEDULE
2. FINAL TACTILE SIGNAGE TEXT TO BE DETERMINED AT TIME OF SUBMITTAL - TYPICAL
3. INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGNAGE FOR BUILDINGS, SEE FLOOR PLANS AND SIGNAGE SCHEDULE
4. CODE GOVERNED SIGNS TO BE FIELD-INSPECTED PER CBC SECTION 11B-703.1.1.2.



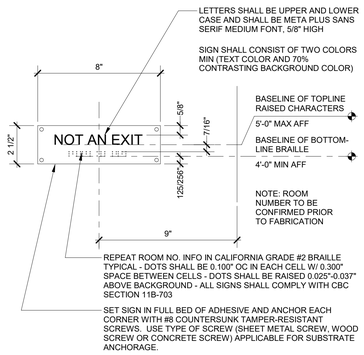
7 MAXIMUM OCCUPANCY SIGN

3" = 1'-0"



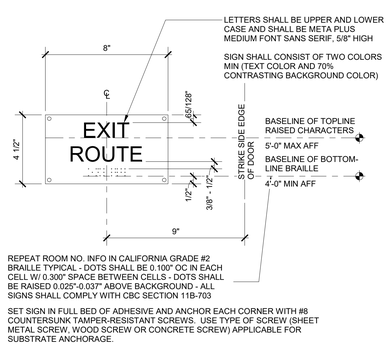
3 ROOM IDENTIFICATION SIGN

3" = 1'-0"



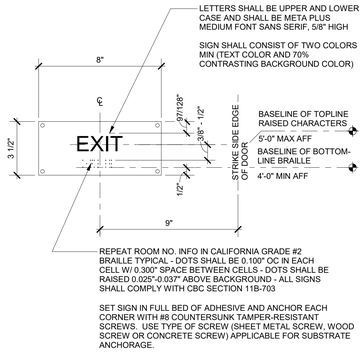
6 NOT AN EXIT SIGN

3" = 1'-0"



2 EXIT ROUTE SIGN

3" = 1'-0"



5 EXIT SIGN

3" = 1'-0"

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Accessibility Signage

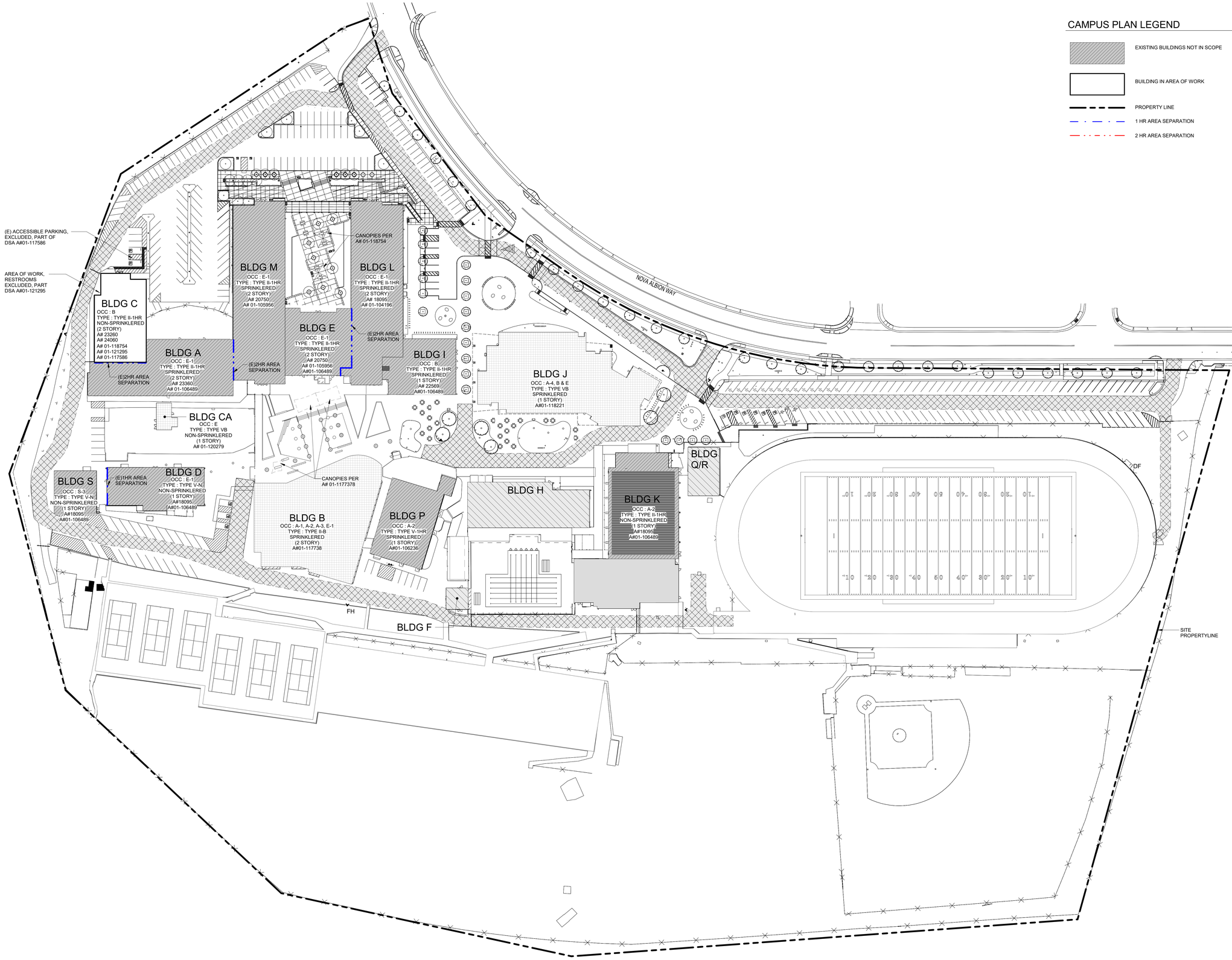
G-003

CAMPUS GENERAL NOTES

1. ALL BUILDINGS ARE EXISTING TO REMAIN. NO SITE WORKS INCLUDED WITH THIS PROJECT.
2. SEE G-012 FOR CODE ANALYSIS AMD ACCESSIBILITY SITE PLAN

CAMPUS PLAN LEGEND

- EXISTING BUILDINGS NOT IN SCOPE
- BUILDING IN AREA OF WORK
- PROPERTY LINE
- 1 HR AREA SEPARATION
- 2 HR AREA SEPARATION



N

CAMPUS SITE PLAN

1" = 50'-0"

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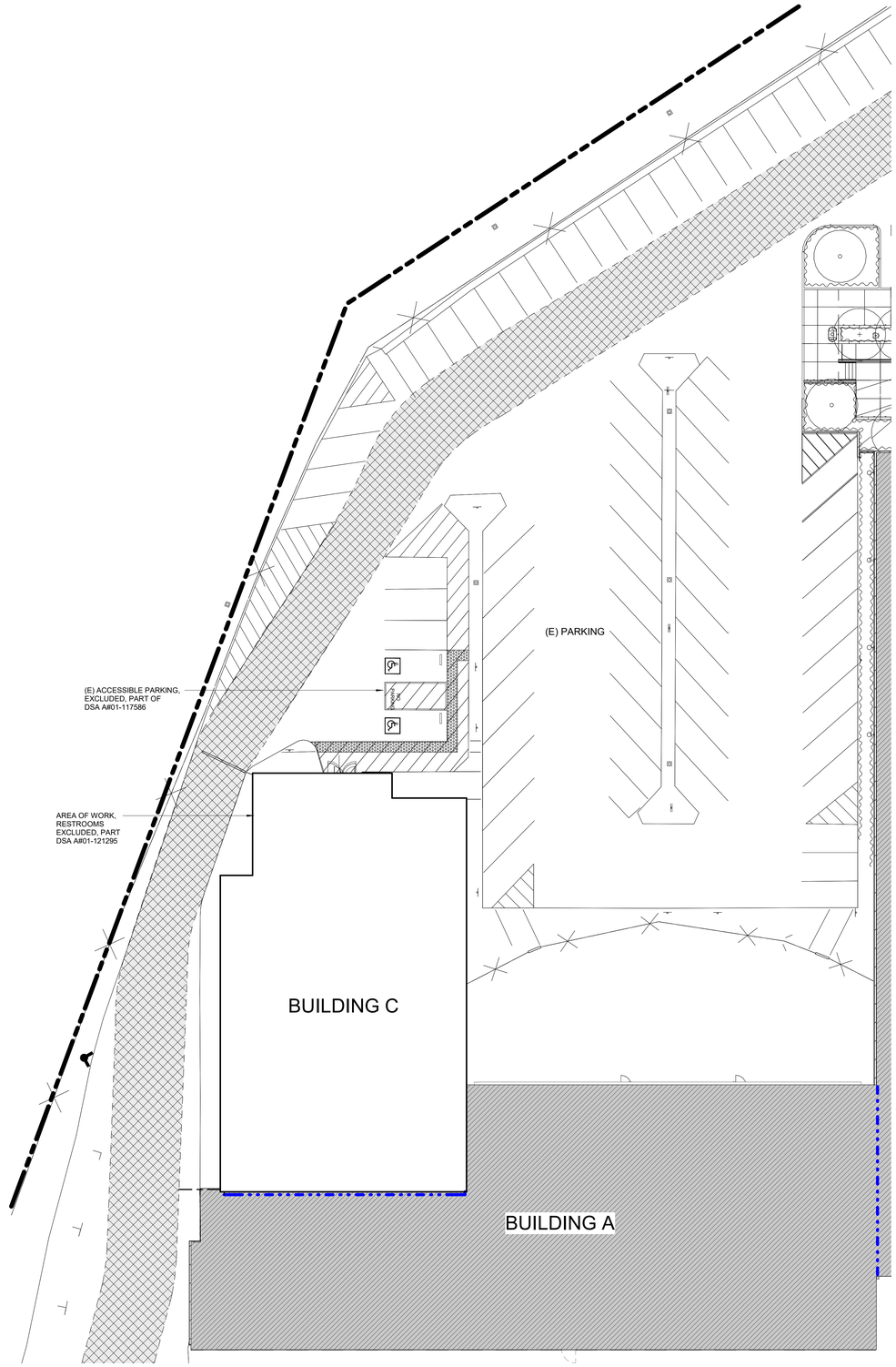
Campus Site Plan

G-011



N

ACCESSIBILITY SITE PLAN

1/16" = 1'-0"

DSA NOTE

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LAVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1"2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM AND SLIP RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT BE STEEPER THAN 1:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL, ABOVE 27" AND LESS THAN 80" ABOVE THE FLOOR. ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

PARKING CALCULATIONS

*NO PARKING SCOPE INCLUDED IN PROJECT. THESE CALCULATIONS ARE TO ILLUSTRATE COMPLIANCE OF EXISTING PARKING LOT ONLY

NORTH PARKING LOT

NUMBER OF (E) PARKING SPACES: 167

NUMBER OF REQUIRED ACCESSIBLE PARKING SPACES: 6
PROVIDED (E) : 10

VAN ACCESSIBLE SPACES REQUIRED: 1 PROVIDED (E): 3

CBC TABLE 11B-208.2, 11B-208.2.4 & 11B-502

CODE ANALYSIS

*THE OCCUPANCY OF EXISTING STRUCTURES AS DESCRIBED IN THE PROJECT INFORMATION CONTINUE WITHOUT CHANGE PER THE APPROVED DSA APPLICATION NUMBER (CBC 102.6).

NO OCCUPANCY CHANGE, SIGNIFICANT ALTERATION, OR INCREASE IN SQUARE FOOTAGE IS PROPOSED FOR THIS PROJECT SCOPE OF WORK. BUILDINGS DO NOT REQUIRE THE ADDITION OF SPRINKLERS. EXISTING BUILDING CONSTRUCTION TYPE WILL BE MAINTAINED.

BUILDING: SRCS TERRA LINDA HIGH SCHOOL
PROJECT: SRCS DISTRICT OFFICE MODERNIZATION

APPLICABLE CODE: 2022 CBC

BUILDINGS ARE EXISTING. NO CHANGE TO EXISTING OCCUPANCY, USE, SQUARE FOOTAGE OR HEIGHT.

FOR EXITING AND OCCUPANCY CALCULATIONS, SEE SHEET AC-101.

SITE PLAN LEGEND

- EXISTING BUILDING
- PROPERTY LINE
- LIMIT OF WORK
- ACCESSIBLE PATH OF TRAVEL

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:

THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

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Code Analysis & Accessibility Site Plan

G-012

CONCRETE

1. CONCRETE SHALL BE AS FOLLOWS:
   CLASS A: FOUNDATIONS:
   MIN f'c = 3,000 PSI
   MAX AGG. SIZE: 1"
   MAX W/C RATIO: 0.5
   SLUMP: 4" ± 1"
2. ALL CONCRETE SHALL BE READY-MIX IN ACCORDANCE WITH ASTM C94.
3. CONCRETE MIX DESIGNS SHALL BE REVIEWED BY THE OWNER'S TESTING LABORATORY AND SUBMITTED TO THE STRUCTURAL ENGINEER FOR APPROVAL. SELECTION OF CONCRETE MIX PROPORTIONS SHALL BE IN ACCORDANCE WITH ACI SECTION 26.4 AND CBC SECTION 1903A..
4. CEMENT SHALL CONFORM TO ASTM C150 TYPE I OR II.
5. WATER SHALL BE CLEAN AND FREE FROM INJURIOUS AMOUNTS OF OILS, ACIDS, ALKALIS, SALTS, ORGANIC MATERIALS, OR OTHER SUBSTANCES DELETERIOUS TO CONCRETE OR REINFORCEMENT.
6. CONCRETE AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C33. AGGREGATES FOR LIGHT WEIGHT CONCRETE SHALL CONFORM TO ASTM C330.
7. CONCRETE BAR REINFORCEMENT SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A615 (GR. 60, 60,000 PSI YIELD) FOR #4 AND LARGER, AND ASTM A 615 (GR. 40, 40,000 PSI YIELD) FOR #3 AND SMALLER.
8. WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM A1064, AND SHALL BE FURNISHED AND PLACED IN FLAT SHEETS. SPLICES IN WELDED WIRE REINFORCEMENT SHALL BE A MINIMUM OF 1-1/2 MESHES WIDE.
9. CONCRETE BAR REINFORCEMENT FOR WELDED REINFORCEMENT CONNECTIONS SHALL CONFORM TO ASTM A706. ASTM STANDARDS SHALL BE LATEST EDITION. ALL PREHEATING AND WELDING OF REINFORCING BARS SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF AWS D1.4.
10. UNLESS NOTED OTHERWISE, CONCRETE WORK SHALL CONFORM TO THE ACI STANDARD "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318-19) AND THE ACI "DETAILING MANUAL" (SP-66 2004 EDITION).
11. MINIMUM ELAPSED TIME BETWEEN ADJACENT CONCRETE PLACEMENTS SHALL BE 48 HOURS.
12. BEAMS, SLABS AND COLUMNS SHALL BE PLACED MONOLITHICALLY EXCEPT WHERE OTHERWISE SHOWN. NO HORIZONTAL CONSTRUCTION JOINTS ARE TO BE MADE IN SLABS OR BEAMS, UNLESS SHOWN OR OTHERWISE NOTED.
13. PROVIDE CONSTRUCTION JOINTS AS INDICATED ON THE DRAWINGS. CONCRETE SURFACE AT CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED AND LAITANCE REMOVED. WHERE INDICATED ON DRAWINGS ROUGHEN CONCRETE SURFACE BY CHIPPING ENTIRE SURFACE, SAND BLASTING, OR RAKING THE SURFACE TO PRODUCE 1/4" DEEP DEFORMATIONS. PROVIDE A SHEAR KEY AT 1/3 OF DEPTH OF STRUCTURAL MEMBER AT CONSTRUCTION JOINTS. SEE TYPICAL DETAILS FOR ADDITIONAL REINFORCING AT CONSTRUCTION JOINTS.
14. CONCRETE SLABS SHALL BE CAST SO THAT THE SLAB THICKNESS IS AT NO POINT LESS THAN THAT INDICATED ON THE DRAWINGS
15. MINIMUM CONCRETE COVER SHALL BE (UNLESS NOTED OTHERWISE):
    a. UNFORMED SURFACES IN CONTACT WITH EARTH: 3"
    b. SLABS ON GRADE (TOP COVER): 1"
    c. FORMED SURFACES IN CONTACT WITH EARTH OR EXPOSED TO THE WEATHER: 2"
    d. BEAMS AND COLUMN MAIN REINFORCING OR STIRRUPS AND TIES: 1 1/2"
    e. INTERIOR & EXTERIOR STRUCTURAL SLABS: 1"
    f. INTERIOR WALL SURFACES: 1"
    g. IN ALL CASES, CLEARANCE NOT LESS THAN THE DIAMETER OF THE BARS.
16. ALL REINFORCING SHALL BE CONTINUOUS WITHOUT SPLICES WHERE POSSIBLE, WHERE REQUIRED, SEE TYPICAL DETAILS FOR LAP SPLICE LENGTH REQUIREMENTS, ACCEPTABLE REINFORCING AT CORNERS, AND ACCEPTABLE REINFORCING AT INTERSECTIONS. STAGGER REINFORCING SPLICES SO NO CONCRETE MEMBER HAS MORE THAN 50% OF REINFORCING SPLICED AT ANY LOCATION.
17. REINFORCING DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE SHALL BE SECURELY POSITIONED AND HELD IN PLACE IN FORMS BEFORE PLACING CONCRETE.
18. PIPES AND ELECTRICAL CONDUITS SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE OR CONCRETE FILL OVER METAL DECK EXCEPT WHERE SPECIFICALLY DETAILED IN THE DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO PLACING CONCRETE.
19. MAXIMUM FREE FALL OF CONCRETE SHALL BE 6'-0".
20. CONSOLIDATE ALL CONCRETE BY MECHANICAL VIBRATING EQUIPMENT SUPPLEMENTED BY HAND-SPADING, RODDING, OR TAMPING. USE EQUIPMENT AND PROCEDURES FOR CONSOLIDATION OF CONCRETE IN ACCORDANCE WITH THE RECOMMENDED PRACTICES OF ACI 309 TO SUIT THE TYPE OF CONCRETE AND PROJECT CONDITIONS.
21. NON-SHRINK GROUT SHALL BE MASTERFLOW 928 GROUT BY MASTER BUILDERS TECHNOLOGIES WITH A MINIMUM COMPRESSIVE STRENGTH OF 7,500 PSI AT 28 DAYS.

DRILLING INTO CONCRETE

1. LOCATE EXISTING REINFORCING WITH NON-DESTRUCTIVE METHOD.
2. DRILL A 4" DEEP, 1/8" DIAMETER PILOT HOLE AT EACH PROPOSED LOCATION. LOCATE PILOT HOLE TO INCLUDE ADJUSTMENTS FOR APPLICABLE VARIATION AS NOTED IN STEP 2.b ABOVE.
   a. IF INTERFERENCE WITH REINFORCING IS FOUND, ADJUST LOCATION AND REPEAT STEP 3.
   b. IF NO INTERFERENCE WITH REINFORCING IS FOUND, PROCEED.
3. DRILL HOLE TO REQUIRED SIZE AND DEPTH.
4. DO NOT FABRICATE CONNECTIONS PRIOR TO LOCATING EXISTING REINFORCING. CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER WHEN EXISTING REINFORCING CONDITIONS REQUIRE MODIFICATION TO CONNECTION LAYOUT.

POWER ACTUATED FASTENERS (PAF/SHOT PINS)

1. THESE NOTES GOVERN ALL CONDITIONS CALLED OUT ON THE PLANS AS 'PAF' OR 'SHOT PINS' UNLESS SPECIFICALLY NOTED OTHERWISE.
2. ALL PAF (SHOT PINS) SHALL BE AS MANUFACTURED BY HILTI, INC., TULSA, OKLAHOMA IN ACCORDANCE WITH ICC-ESR 2269 WITH RENEWAL DATE FEBRUARY 2021.
3. PAF (SHOT PINS) DRIVEN INTO STEEL BASE MATERIAL SHALL BE X-U TYPE (0.157"ø) WITH P8 WASHERS UON. LENGTH OF PIN SHALL BE AS REQUIRED FOR THE FASTENER POINT TO PENETRATE THROUGH THE STEEL BASE MATERIAL. MINIMUM EDGE DISTANCE TO ANY CONNECTED PART SHALL BE 1/2" AND MINIMUM FASTENER SPACING SHALL BE 2".
4. PAF (SHOT PINS) DRIVEN INTO CONCRETE BASE MATERIAL SHALL BE X-U TYPE (0.157"ø) WITH P8 WASHERS UON. LENGTH OF PIN SHALL BE AS REQUIRED TO PENETRATE 1 1/2" INTO THE CONCRETE BASE MATERIAL. MINIMUM EDGE DISTANCE TO ANY CONCRETE MATERIAL SHALL BE 3" AND MINIMUM FASTENER SPACING SHALL BE 4".
5. PAF (SHOT PINS) DRIVEN INTO CONCRETE BASE MATERIAL THROUGH METAL DECK SHALL BE X-U TYPE (0.157"ø) WITH P8 WASHERS UNLESS NOTED OTHERWISE. LENGTH OF PIN SHALL BE AS REQUIRED TO PENETRATE 1" INTO THE CONCRETE THROUGH THE LOW FLUTE. PIN SHALL BE LOCATED 1 1/8" MIN FROM EDGE OF FLUTE AND SHALL NOT BE DRIVEN THROUGH DIMPLE AT CENTERLINE OF FLUTES / RIBS. FASTENER SPACING SHALL BE 4" MIN.

POST-INSTALLED ANCHORS

1. WHERE SPECIFIC ANCHOR MANUFACTURER, TYPE, SIZE, AND EMBED REQUIREMENTS ARE SHOWN ON DETAILS, DRAWINGS, OR SPECIFICATIONS, SUBSTITUTIONS ARE NOT ACCEPTABLE.
2. FOR SUBSTITUTION PURPOSES, AT THE CONTRACTORS OPTIONS, SIGNED AND SEALED CALCULATIONS SHALL BE PROVIDED, INDICATING THE SUBSTITUTED ANCHOR MEETS THE CAPACITY REQUIREMENTS OF THE DETAILED ANCHOR. INCLUDE APPROPRIATE LOAD ADJUSTMENT FACTORS APPLICABLE TO ALL LOADING CONDITIONS INCLUDING BUT NOT LIMITED TO, ANCHOR GEOMETRY, EMBEDMENT DEPTH, ANCHOR SPACING, EDGE DISTANCE, CRACKED CONCRETE, SATURATED CONCRETE, AND OTHER SPECIFIED CONCRETE PROPERTIES. ASSUME DETAILED ANCHOR REQUIRES 100% OF ITS CAPACITY.
3. HOLES FOR THROUGH BOLTS SHALL BE FILLED WITH EPOXY TO ENSURE UNIFORM BEARING OF THE BOLT ON THE SUBSTRATE. THE VOLUME OF EPOXY SHALL BE SUFFICIENT TO FILL THE ANNULAR SPACE BETWEEN THE BOLT AND THE HOLE THROUGH THE ENTIRE WIDTH OF THE SUPPORTING ELEMENT.
4. HOLES FOR POST INSTALLED ANCHORS (MECHANICAL OR EPOXY) SHALL BE DRILLED WITH HAMMER OR ROTARY DRILLS ONLY. CONTRACTOR SHALL NOT SUBSTITUTE WITH CORE-DRILLED HOLES UNLESS SPECIFICALLY INDICATED ON THE CONTRACT DOCUMENTS.
5. WHERE NOT SPECIFICALLY INDICATED OTHERWISE, CONTRACTOR SHALL USE HILTI HIT-HY 200 SAFE SET ADHESIVE SYSTEM WHERE INDICATED TO DRILL AND EPOXY DOWELS, ANCHORS, OR REINFORCING INTO HARDENED CONCRETE.

DESIGN LOADS

1. DESIGN CODE:
   - 2022 CALIFORNIA BUILDING CODE
2. DESIGN LOAD COMBINATIONS:
   - PER ASCE 7-16 SECTION 2.3 & 2.4
3. LIVE LOADS (PER CBC TABLE 1607A.1)
   a. ROOF 20 PSF
4. ULTIMATE DESIGN WIND LOAD FOR MWFRS:
   a. SCOPE OF STRUCTURAL WORK IN THESE DRAWINGS IS LIMITED TO GRAVITY LOAD ELEMENTS ONLY
5. ULTIMATE DESIGN SEISMIC LOAD FOR LFRS:
   a. SCOPE OF STRUCTURAL WORK IN THESE DRAWINGS IS LIMITED TO GRAVITY LOAD ELEMENTS ONLY

STRUCTURAL OBSERVATION

1. THE OWNER SHALL EMPLOY THE ARCHITECT OR STRUCTURAL ENGINEER OF RECORD TO PERFORM STRUCTURAL OBSERVATION IN ACCORDANCE WITH CBC SECTION 1704.6.
2. AT A MINIMUM STRUCTURAL OBSERVATIONS SHALL BE PERFORMED AT THE FOLLOWING STAGES OF CONSTRUCTION:
   a. PRIOR TO PLACEMENT OF FIRST FOOTING POUR WHEN ALL REINFORCING IS IN PLACE.
   b. UPON APPROXIMATELY 75% COMPLETION OF ROUGH FRAMING.
   c. UPON 100% COMPLETION OF ROOF FRAMING WITH ROOF SHEATHING IN PLACE AND FASTENED.
3. ANY DEFICIENCIES DISCOVERED SHALL BE REPORTED IMMEDIATELY TO THE OWNER AND STRUCTURAL ENGINEER OF RECORD, AND WITHIN TWO (2) BUSINESS DAYS SHALL BE REPORTED IN WRITING TO THE OWNER, BUILDING OFFICIAL, AND ENGINEER OF RECORD.
4. STRUCTURAL OBSERVATIONS DO NOT CONSTITUTE SPECIAL INSPECTIONS OF ANY KIND
5. UPON COMPLETION OF THE PROJECT FINAL WRITTEN DOCUMENTATION SHALL BE PROVIDED TO THE OWNER, BUILDING OFFICIAL, AND STRUCTURAL ENGINEER OF RECORD STATING THAT THE REQUIRED SITE VISITS HAVE BEEN MADE AND IDENTIFYING ANY REPORTED DEFICIENCIES THAT, TO THE BEST OF THE STRUCTURAL OBSERVER'S KNOWLEDGE, HAVE NOT BEEN RESOLVED.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE STRUCTURAL OBSERVER AT LEAST 48 HOURS PRIOR TO THE COMPLETION OF THE NOTED STAGES OF CONSTRUCTION ABOVE IN ITEM 2.

CONCRETE ADHESIVE ANCHOR NOTES

1. USE HILTI HIT-RE 500 V3 ADHESIVE ANCHORS AS MANUFACTURED BY HILTI, INC., TULSA, OKLAHOMA. ICC REPORT NO. ESR-3814 WITH RENEWAL DATE JANUARY, 2021.
2. INSTALLATION OF ANCHORS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, ICC REPORT AND THESE NOTES.
3. SPECIAL INSPECTION IS REQUIRED FOR ALL ANCHORS.
4. WHEN INSTALLING ANCHORS IN EXISTING CONCRETE DO NOT CUT OR DAMAGE EXISTING REINFORCING BARS.
5. ANCHORS INSTALLED IN METAL DECK WITH CONCRETE SHALL BE INSTALLED IN THE CENTER OF THE LOW FLUTE OF THE DECKING. THE DECKING SHALL HAVE A MINIMUM THICKNESS OF 20 GAGE. THE MINIMUM DEPTH OF EMBEDMENT ABOVE THE TOP OF THE DECK SHALL BE 1 1/2". THE EFFECTIVE DEPTH OF EMBEDMENT IS CONSIDERED TO BE 1/3 OF THE METAL DECK HEIGHT PLUS THE DEPTH OF EMBEDMENT ABOVE THE TOP OF THE DECK.
6. THE TESTING OF THE ANCHORS SHALL BE DONE BY THE TESTING LABORATORY AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO DSA AND ARCHITECT/STRUCTURAL ENGINEER. TESTING SHALL OCCUR 24 HRS. MINIMUM AFTER THE INSTALLATION OF THE ANCHORS.
7. TESTING FREQUENCY FOR ANCHORS SHALL BE IN ACCORDANCE WITH 2019 CALIFORNIA BUILDING CODE, SECTION 1905A.3. A BRIEF DESCRIPTION IS PROVIDED HERE FOR REFERENCE:
   TESTING FREQUENCY FOR ANCHORS SHALL BE IN ACCORDANCE WITH 2019 CALIFORNIA BUILDING CODE, SECTION 1910A.5.3. A BRIEF DESCRIPTION IS PROVIDED HERE FOR REFERENCE:
   STRUCTURAL APPLICATIONS:
   SILL TRACK BOLTING - 10% OF ANCHORS SHALL BE TESTED.
   ALL OTHER - 100% OF ANCHORS SHALL BE TESTED.
   NONSTRUCTURAL APPLICATIONS:
   EQUIPMENT ANCHORAGE - 50% OR ALTERNATING BOLTS IN A GROUP SHALL BE TESTED.
8. FOR ANCHOR DIAMETER, EMBEDMENT DEPTH, EDGE DISTANCE & SPACING REQUIREMENTS, AND TEST LOADS SEE TABLE BELOW:

CONCRETE EXPANSION ANCHOR NOTES

1. USE HILTI KWIK BOLT TZ2 EXPANSION ANCHORS AS MANUFACTURED BY HILTI INC., TULSA, OKLAHOMA. ICC REPORT NO. ESR-4266 WITH RENEWAL DATE DEC 2023.
2. INSTALLATION OF ANCHORS SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, ICC REPORT AND THESE NOTES.
3. SPECIAL INSPECTION IS REQUIRED FOR ALL ANCHORS.
4. WHEN INSTALLING ANCHORS IN EXISTING CONCRETE DO NOT CUT OR DAMAGE EXISTING REINFORCING BARS.
5. ANCHORS INSTALLED IN METAL DECK WITH CONCRETE SHALL BE INSTALLED IN THE CENTER OF THE LOW FLUTE OF THE DECKING. THE DECKING SHALL HAVE A MINIMUM THICKNESS OF 20 GAGE. THE MINIMUM DEPTH OF EMBEDMENT ABOVE THE TOP OF THE DECK SHALL BE 1 1/2". THE EFFECTIVE DEPTH OF EMBEDMENT IS CONSIDERED TO BE 1/3 OF THE METAL DECK HEIGHT PLUS THE DEPTH OF EMBEDMENT ABOVE THE TOP OF THE DECK.
6. THE TESTING OF THE ANCHORS SHALL BE DONE BY THE TESTING LABORATORY AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO DSA AND ARCHITECT/STRUCTURAL ENGINEER. TESTING SHALL OCCUR 24 HRS. MINIMUM AFTER THE INSTALLATION OF THE ANCHORS.
7. TESTING FREQUENCY FOR ANCHORS SHALL BE IN ACCORDANCE WITH 2019 CALIFORNIA BUILDING CODE, SECTION 1910A.5.3. A BRIEF DESCRIPTION IS PROVIDED HERE FOR REFERENCE:
   STRUCTURAL APPLICATIONS:
   SILL TRACK BOLTING - 10% OF ANCHORS SHALL BE TESTED.
   ALL OTHER - 100% OF ANCHORS SHALL BE TESTED.
   NONSTRUCTURAL APPLICATIONS:
   EQUIPMENT ANCHORAGE - 50% OR ALTERNATING BOLTS IN A GROUP SHALL BE TESTED.
8. FOR ANCHOR DIAMETER, EMBEDMENT DEPTH, EDGE DISTANCE & SPACING REQUIREMENTS, AND TEST LOADS SEE TABLE BELOW:

NORMAL WEIGHT CONCRETE ANCHORS — ICC REPORT NO. ESR-4266

HILTI KWIK BOLT TZ2
CARBON STEEL ANCHORS
F'c = 3000 PSI MIN.

ANCHOR DIAMETER	EMBED (UON)	MIN. EDGE DISTANCE	MIN. SPACING	INSTALL / TEST TORQUE (FT-LBS)
3/8"	2"	2 1/2"	2 1/4"	30
1/2"	3 1/4"	2 1/4"	2"	50
5/8"	4"	3 1/2"	2 3/4"	40
3/4"	4 3/4"	3 1/2"	3 3/4"	110

GENERAL NOTES

1. ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTES THE ORIGINAL AND UNPUBLISHED WORK OF THE STRUCTURAL ENGINEER AND THE SAME MAY NOT BE DUPLICATED, USED, OR DISCLOSED WITHOUT WRITTEN CONSENT OF THE STRUCTURAL ENGINEER.
2. THESE DRAWINGS ARE NOT COMPLETE UNTIL REVIEWED AND ACCEPTED BY THE LOCAL BUILDING OFFICIALS AND SIGNED BY THE STRUCTURAL ENGINEER OF RECORD.
3. THE STRUCTURAL DRAWINGS SHOW A PORTION OF THE WORK TO BE PERFORMED BY THE CONTRACTOR. SUPPLEMENTARY REQUIREMENTS FOR STRUCTURAL STEEL, CONCRETE, ETC., ARE FOUND WITHIN THE DRAWINGS OF OTHER DISCIPLINES AND REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.
4. THESE NOTES ARE COMPLEMENTARY TO THE SPECIFICATIONS AND SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS.
5. SPECIFICATIONS AND DRAWINGS SHALL BE EQUAL IN AUTHORITY AND PRIORITY. SHOULD THE SPECIFICATIONS AND DRAWINGS DISAGREE IN THEMSELVES, OR WITH EACH OTHER, CONSTRUCTION SHALL BE BASED ON THE MOST EXPENSIVE MATERIALS AND METHODS. THE WORK REQUIRED TO BE CONSTRUCTED BY THE DOCUMENTS SHALL BE DECIDED BY THE ARCHITECT/ENGINEER IN THE EVENT OF THE ABOVE MENTIONED DISAGREEMENTS.
6. SHOULD AN ERROR APPEAR IN THE APPROVED DRAWINGS OR SPECIFICATIONS OR IN WORK DONE BY OTHERS AFFECTING THIS WORK, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING. IF THE CONTRACTOR PROCEEDS WITH THE WORK SO AFFECTED WITHOUT HAVING GIVEN SUCH WRITTEN NOTICE AND WITHOUT RECEIVING THE NECESSARY APPROVAL, DECISION, OR INSTRUCTION IN WRITTEN FORM FROM THE ARCHITECT, THEN THE CONTRACTOR SHALL HAVE NO VALID CLAIM AGAINST THE OWNER FOR THE COST OF SO PROCEEDING AND SHALL MAKE GOOD ANY RESULTING DAMAGE OR DEFECT. NO VERBAL APPROVAL, DECISION, OR INSTRUCTION SHALL BE THE BASIS FOR ANY CLAIM AGAINST THE OWNER, ITS OFFICERS, EMPLOYEES, OR AGENTS. THE FOREGOING INCLUDES TYPICAL ERRORS IN THE SPECIFICATIONS OR NOTATIONAL ERRORS IN THE APPROVED DRAWINGS WHERE THE INTERPRETATION IS DOUBTFUL OF WHERE THE ERROR IS SUFFICIENTLY APPARENT AS TO PLACE A REASONABLY PRUDENT CONTRACTOR ON NOTICE THAT, SHOULD HE ELECT TO PROCEED, HE IS DOING SO AT HIS OWN RISK.
7. VERIFY THE SIZES, LOCATIONS, ELEVATIONS AND DETAILS OF EXISTING CONDITIONS THAT AFFECT THE WORK. INFORM THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES IN DIMENSIONS, SIZES, LOCATIONS, AND CONDITIONS, PROCEEDING WITH WORK ONLY AFTER DISCREPANCIES ARE RESOLVED.
8. PROVIDE SHORING, BRACING, UNDERPINNING, AND ANY OTHER MEANS REQUIRED TO PROTECT AND MAINTAIN THE SAFETY, INTEGRITY AND STABILITY OF ALL EXISTING AND NEW CONSTRUCTION.
9. NORMAL OPERATIONS WILL BE CONTINUED BY THE OWNER THROUGHOUT THE DURATION OF CONSTRUCTION. ANY INTERFERENCE WITH THE OWNER'S OPERATION OR INTERRUPTION TO UTILITIES SHALL BE COORDINATED WITH THE OWNER.
10. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AT THE SITE, INCLUDING UTILITIES, SERVICES, ETC., AND SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGE HE CAUSES TO THE PROPERTY, EXISTING AND NEW CONSTRUCTION, AND FOR ANY UNAUTHORIZED DISRUPTIONS TO THE OWNER'S NORMAL USE OF UTILITIES, SERVICES AND THE SURROUNDING FACILITIES.
11. CONTRACTOR SHALL OBTAIN APPROVAL OF THE ARCHITECT/ENGINEER PRIOR TO PLACING OPENINGS OR SLEEVES NOT SHOWN ON DRAWINGS THROUGH ANY STRUCTURAL MEMBERS.
12. WHERE NO SPECIFIC DETAIL IS SHOWN ON THE DRAWINGS, CONSTRUCTION SHALL BE IN ACCORDANCE WITH TYPICAL DETAILS ON THIS PROJECT OR IDENTICAL OR SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION ON THIS PROJECT. SHOULD THERE BE ANY QUESTION, CONTACT THE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO PROCEEDING.
13. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL DRAWINGS, AND SHOP DRAWINGS FOR SIZE AND LOCATION OF WALL AND FLOOR OPENINGS, WALL OFFSETS, STAIR DETAILS, PIPES, VENTS, DUCTS, CONDUIT, AND OTHER OPENINGS AND DETAILS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS, AS THEY APPLY TO THIS PROJECT, OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF CALIFORNIA, LATEST EDITION, AND ALL OSHA REQUIREMENTS. THE OWNER, ARCHITECT, AND ENGINEER DO NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.

STRUCTURAL ABBREVIATIONS

ARCH	ARCHITECTURAL (DISCIPLINE)
BOTT	BOTTOM
CJP	COMPLETE JOINT PENETRATION
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
DIA/ ø	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DTL	DETAIL
EA	EACH
ELEC	ELECTRICAL (DISCIPLINE)
EMBED	EMBEDMENT
EOR	ENGINEER OF RECORD
EQUIP	EQUIPMENT
EXIST	EXISTING
EXP	EXPANSION
FND	FOUNDATION
GA	GAUGE
GALV	GALVANIZED
HORIZ	HORIZONTAL
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
MANUF	MANUFACTURER
MECH	MECHANICAL (DISCIPLINE)
NTS	NOT TO SCALE
OC	ON CENTER
OH	OPPOSITE HAND
OPP	OPPOSITE
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
REINF	REINFORCING
REQD	REQUIRED
SIM	SIMILAR
STRU	STRUCTURAL (DISCIPLINE)
T&B	TOP & BOTTOM
T/STL	TOP OF STEEL
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
V/F	VERIFY IN FIELD
W/	WITH
W/O	WITH OUT
WP	WORKING POINT

STATEMENT OF SPECIAL INSPECTIONS

1. GENERAL:
   a. THIS STATEMENT OF INSPECTIONS IS SUBMITTED AS A CONDITION FOR PERMIT ISSUANCE IN ACCORDANCE WITH CBC SECTIONS 1704.2.3 AND 1704.3.
   b. FOR REQUIRED TESTS AND SPECIAL INSPECTIONS SEE SPECIFICATION SECTION 014010 "TESTING AND INPSECTION SERVICES - BUILDING" AND DRAWING SHEET S-011.
2. ALL TESTS AND SPECIAL INSPECTIONS SHALL BE PERFORMED BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING & INSPECTION COMPANY. JOB SITE VISITS BY THE STRUCTURAL ENGINEER DO NOT CONSTITUTE SPECIAL INSPECTION AND ARE NOT A SUSTITUTE FOR SPECIAL INSPECTION.
3. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO SEE THAT THESE SPECIAL INSPECTIONS AND TESTS ARE PERFORMED.

San Rafael City Schools

SAN RAFAEL CITY SCHOOLS

some client address

SRCS District Office Modernization

some project address

△	Date	Issued For
1	09/06/2024	100%DD

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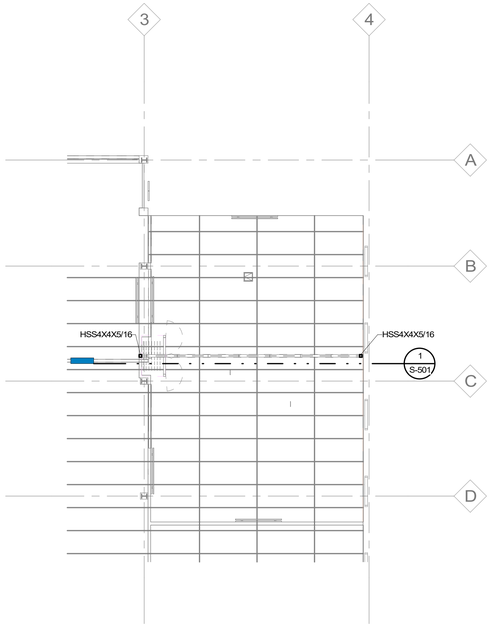
REGISTERED PROFESSIONAL ENGINEER
TIMOTHY L. FREI
No.4310
Exp.12/31/25
STRUCTURAL
STATE OF CALIFORNIA

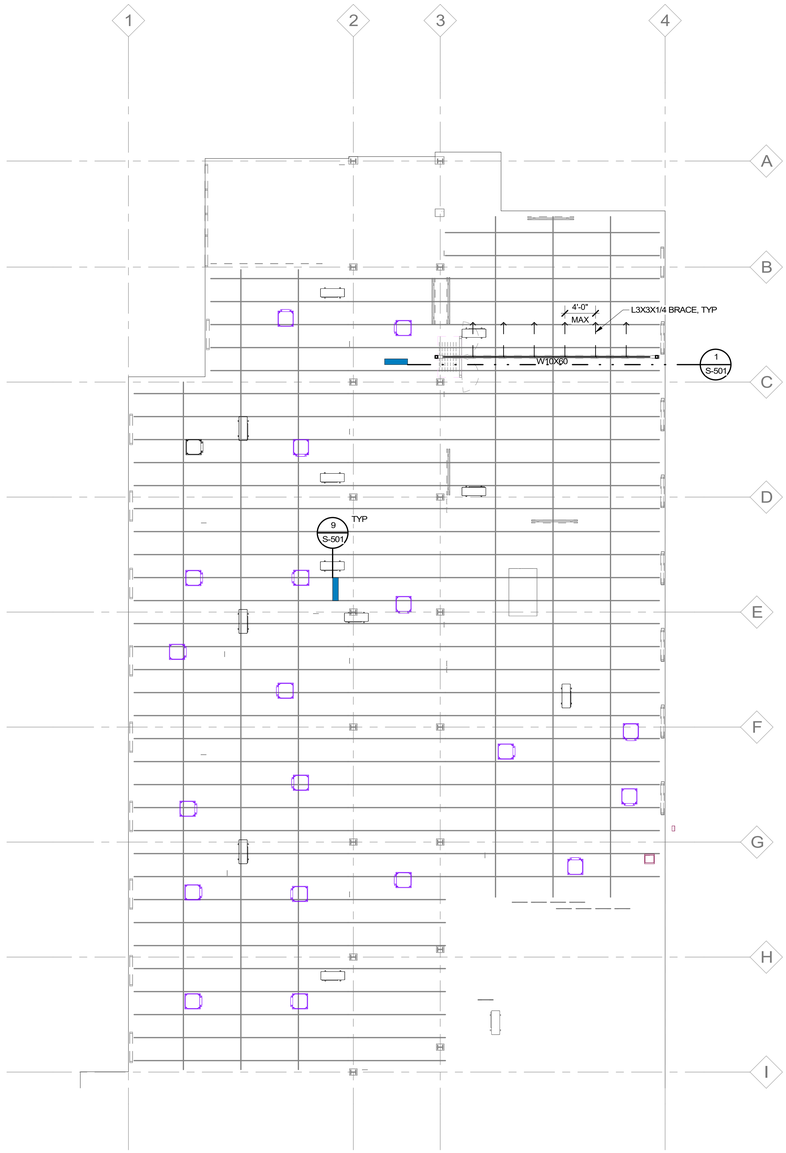
2024-SR001-001

STRUCTURAL GENERAL NOTES

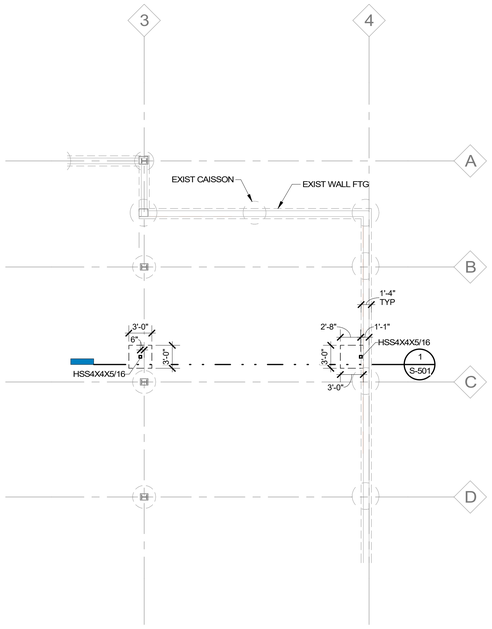
S-001



1 LEVEL 2 PARTIAL PLAN
1/8" = 1'-0"



2 ROOF PARTIAL FRAMING PLAN
1/8" = 1'-0"

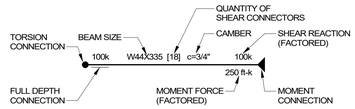


3 FOUNDATION PARTIAL PLAN
1/8" = 1'-0"

FLOOR FRAMING PLAN NOTES

1. REFER TO DRAWING S-001 FOR GENERAL NOTES.
2. REFER TO DRAWING S-011 THROUGH S-XXX FOR SPECIAL INSPECTION & TESTING.
3. TYPICAL DETAILS APPLY TO ALL DRAWINGS. USE THROUGHOUT EXCEPT WHERE OTHERWISE SHOWN OR NOTED.
4. TOP OF SLAB REFERENCE ELEVATION XXX' - X" UON.
5. CONCRETE SLAB S-1: 4-1/2" NORMAL-WEIGHT CONCRETE ON 2" GALVANIZED 20 GA COMPOSITE STEEL DECK (6-1/2" TOTAL THICKNESS) REINFORCING: 6X6 - W2.9 X W2.9 WWR <OR> 4 PCY SYNTHETIC STRUCTURAL FIBERS. TOP OF STEEL - (X.X")
6. FROM TOP OF SLAB ELEVATION UON.
7. NO CONTROL JOINTS IN SLAB ON METAL DECK UON.
8. MEMBERS ARE EQUALLY SPACED UON.
9. REFER TO ARCHITECTURAL FOR SLAB EDGE LOCATIONS.
10. DECK EDGE AROUND FLOOR OPENING SHALL BE 5/16" BENT PLATE UON. REFER TO ARCHITECTURAL FOR OPENING DIMENSIONS.
11. SLAB ON METAL DECK SHALL HAVE POROSITY INHIBITING ADMIXTURES (CONCRETE MOISTURE SOLUTIONS PRODUCTS ARE BASIS OF DESIGN).

FRAMING SYMBOL LEGEND



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STRUCTURAL
STATE OF CALIFORNIA

2024-SR001-001

STRUCTURAL PLANS

S-100

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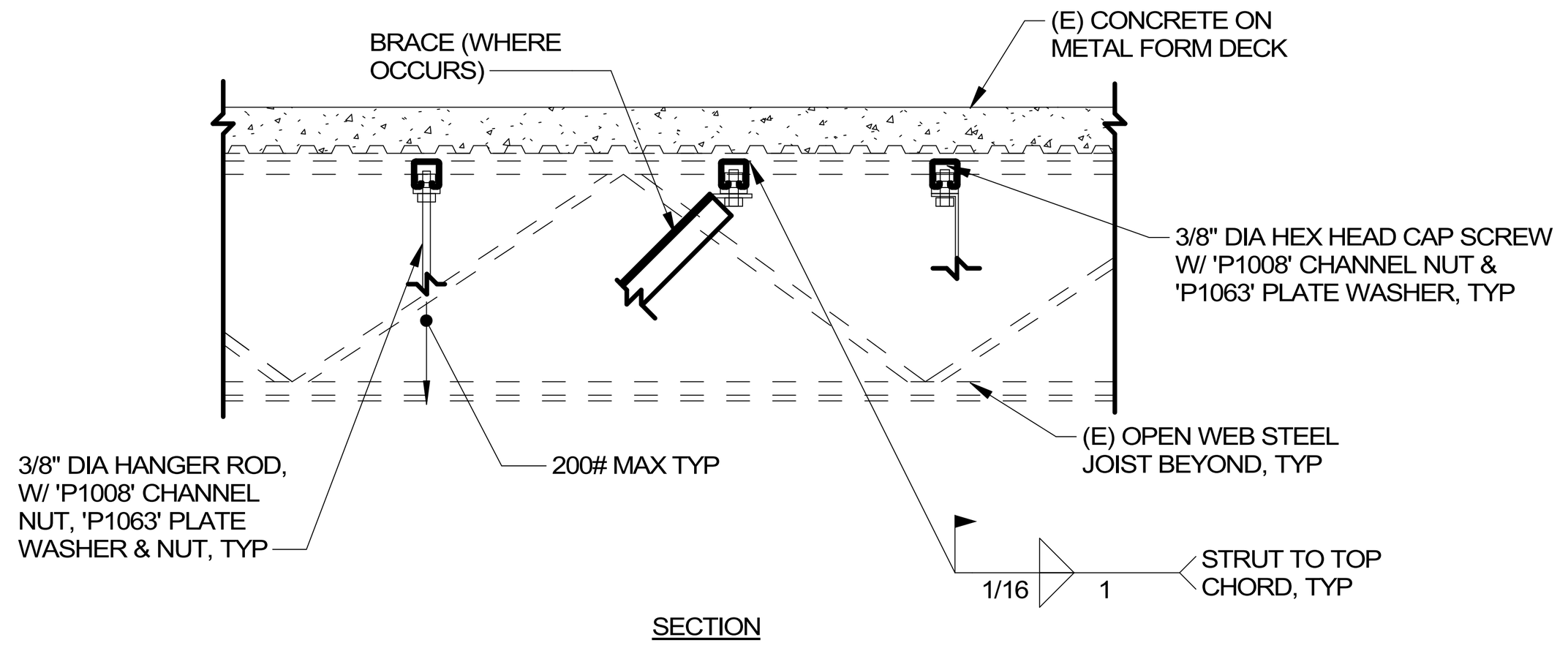
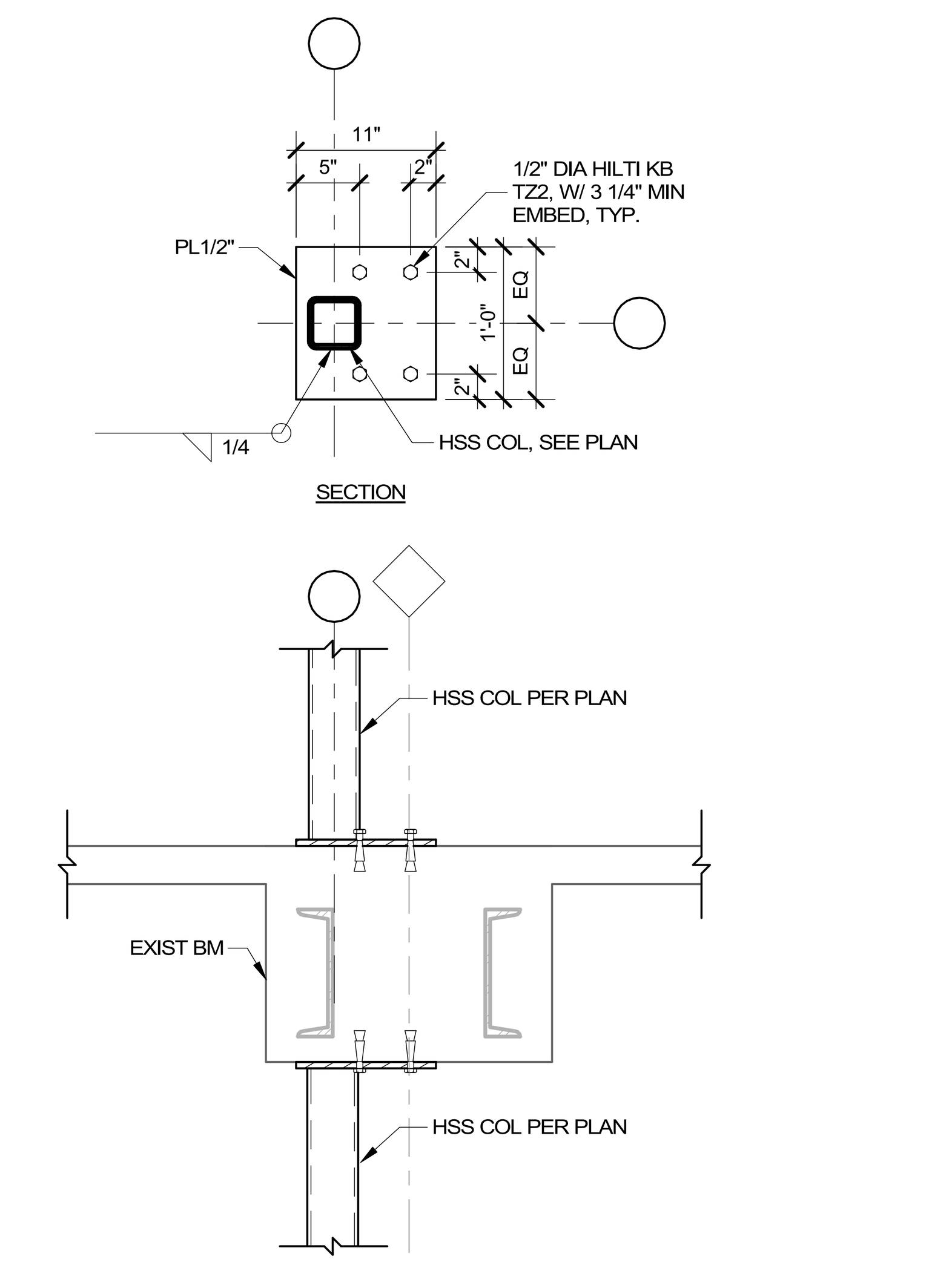
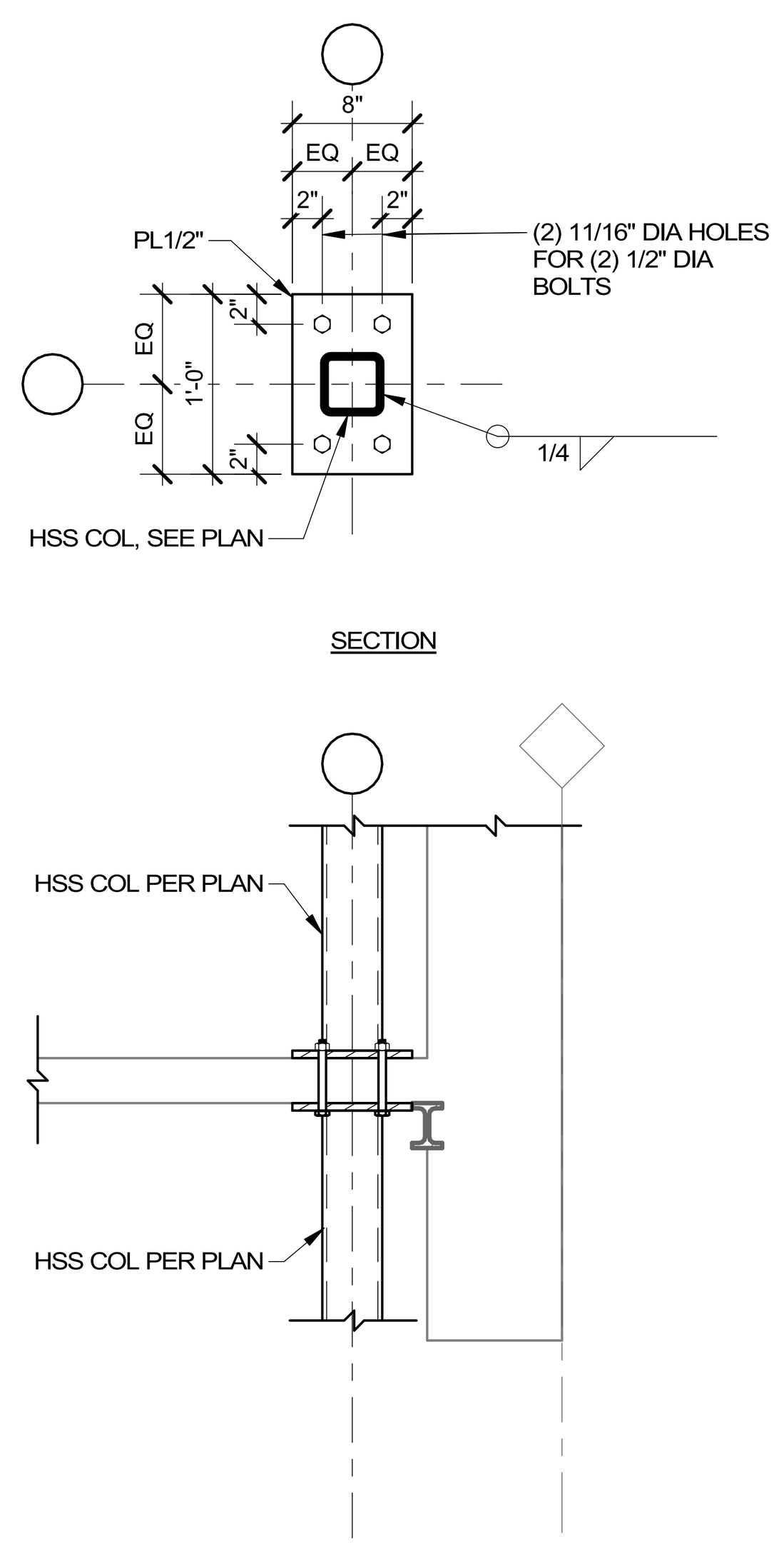


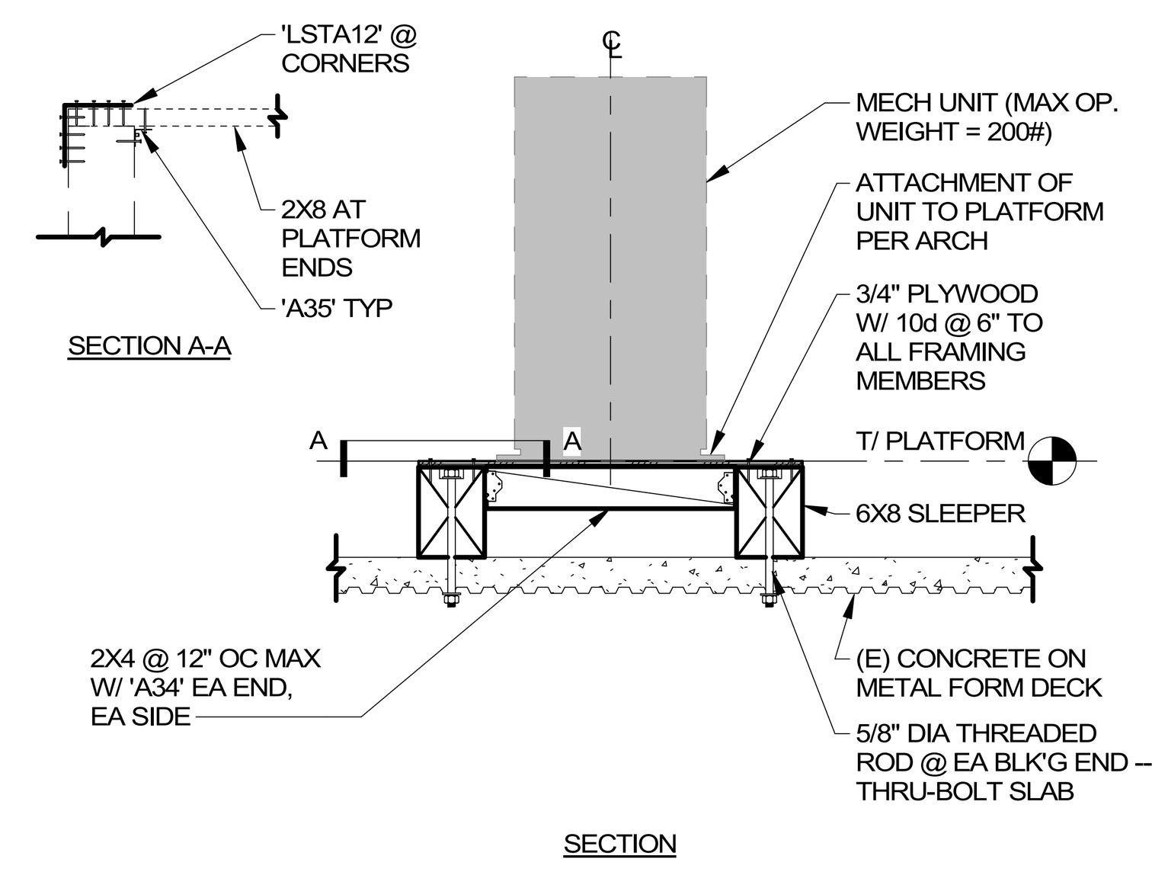
8 TYP ATTACHMENTS TO (E) FLOOR OR ROOF
1" = 1'-0"



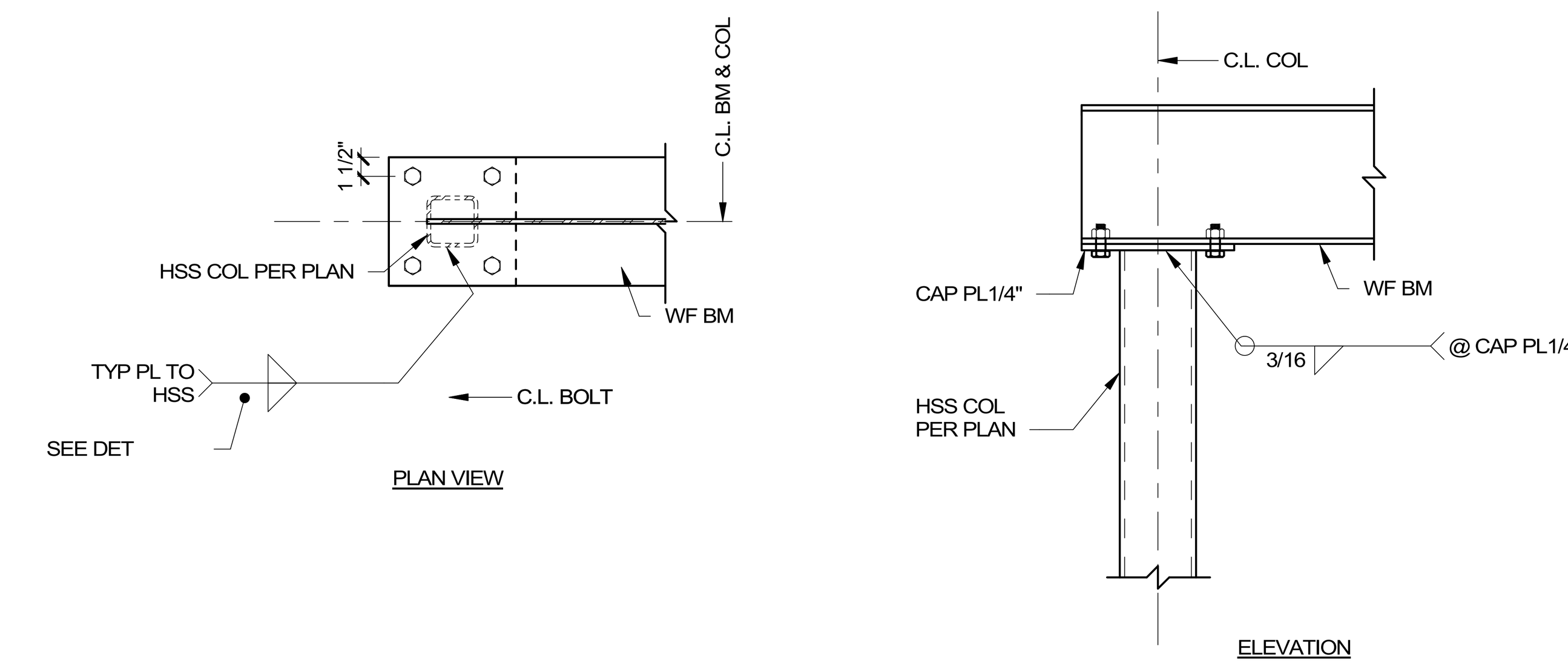
7 WF BM TO HSS COL - BM ONE SIDE
1" = 1'-0"



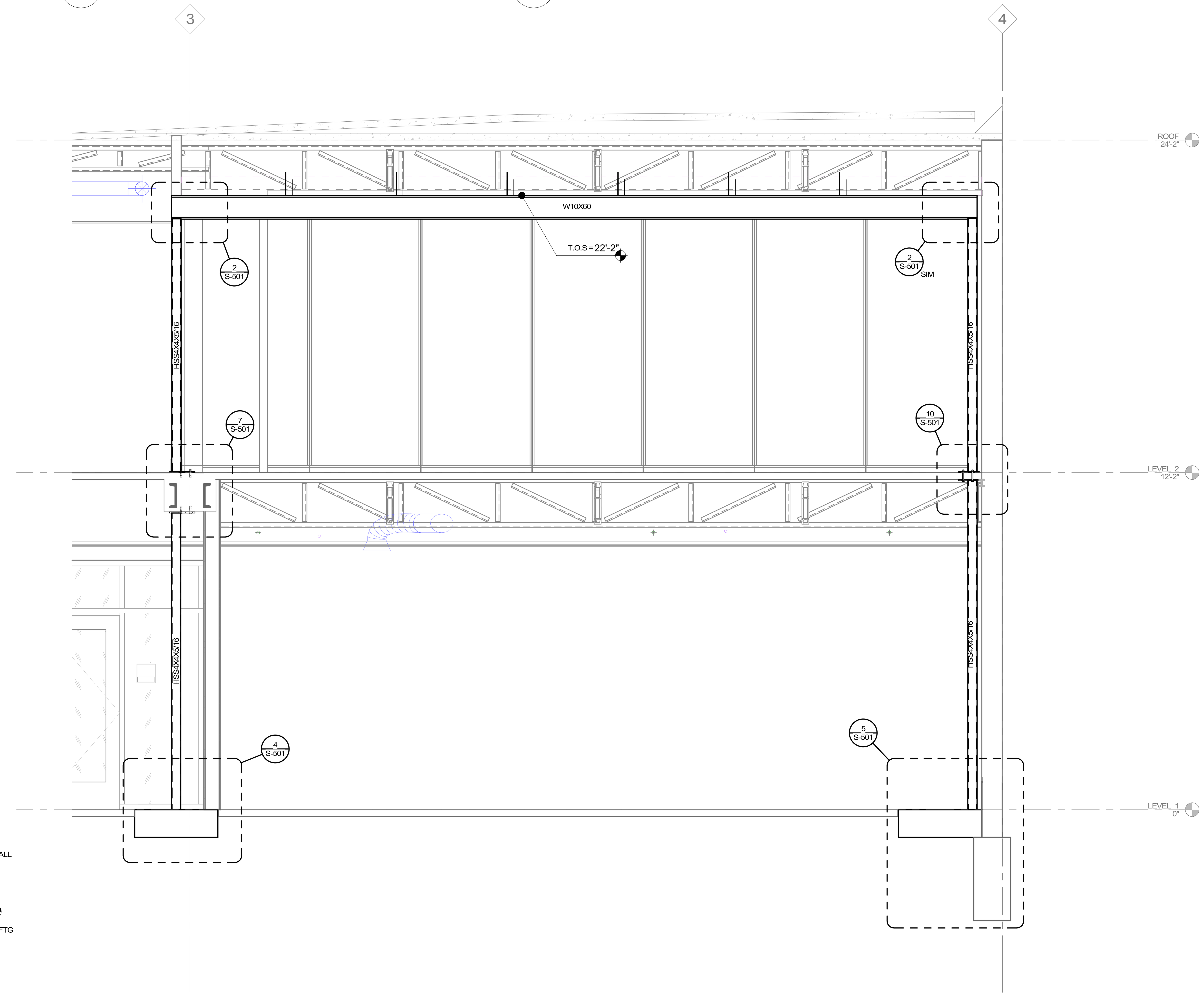
10 WF BM TO HSS COL - BM ONE SIDE
1" = 1'-0"



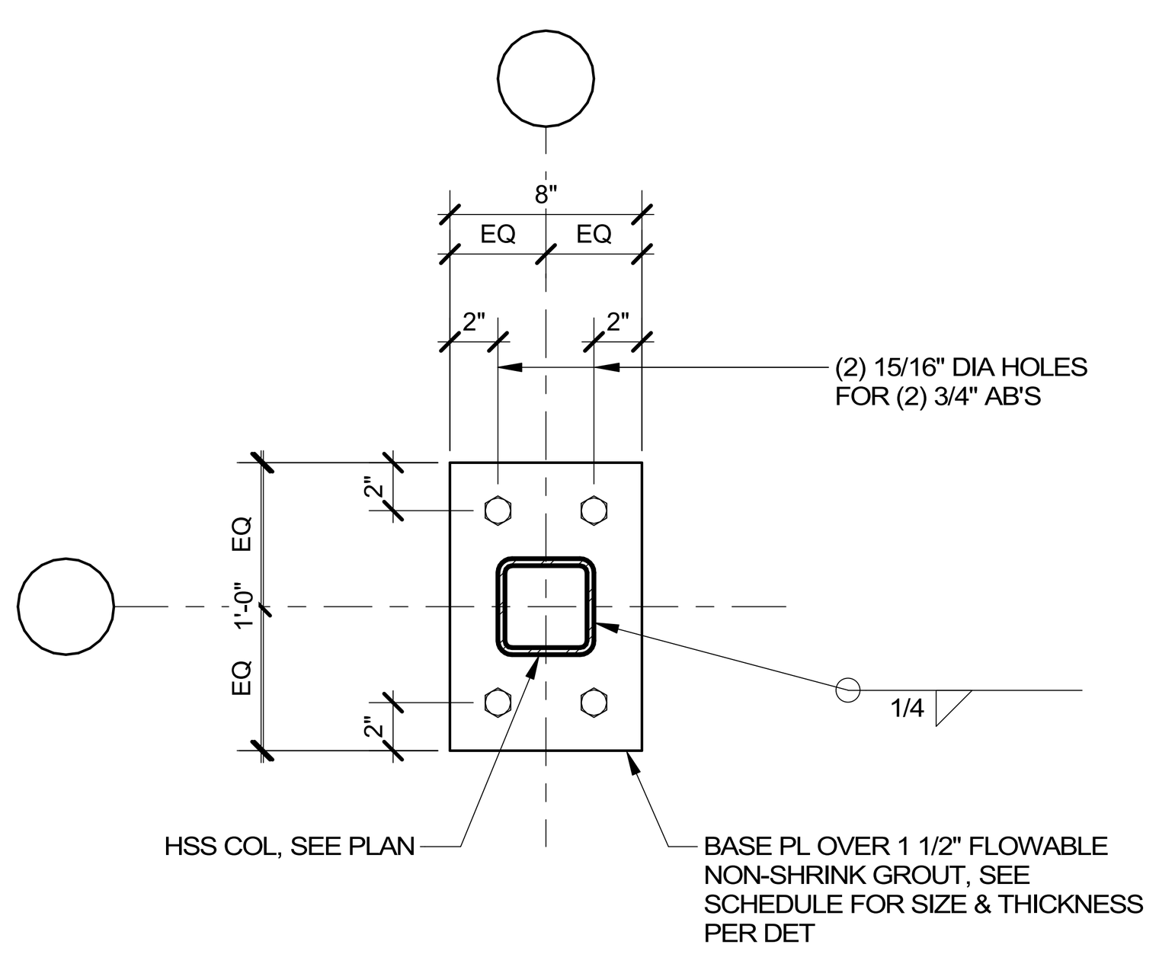
9 MECH UNIT PLATFORM ATTACHMENT TO (E) ROOF DECK
3/4" = 1'-0"



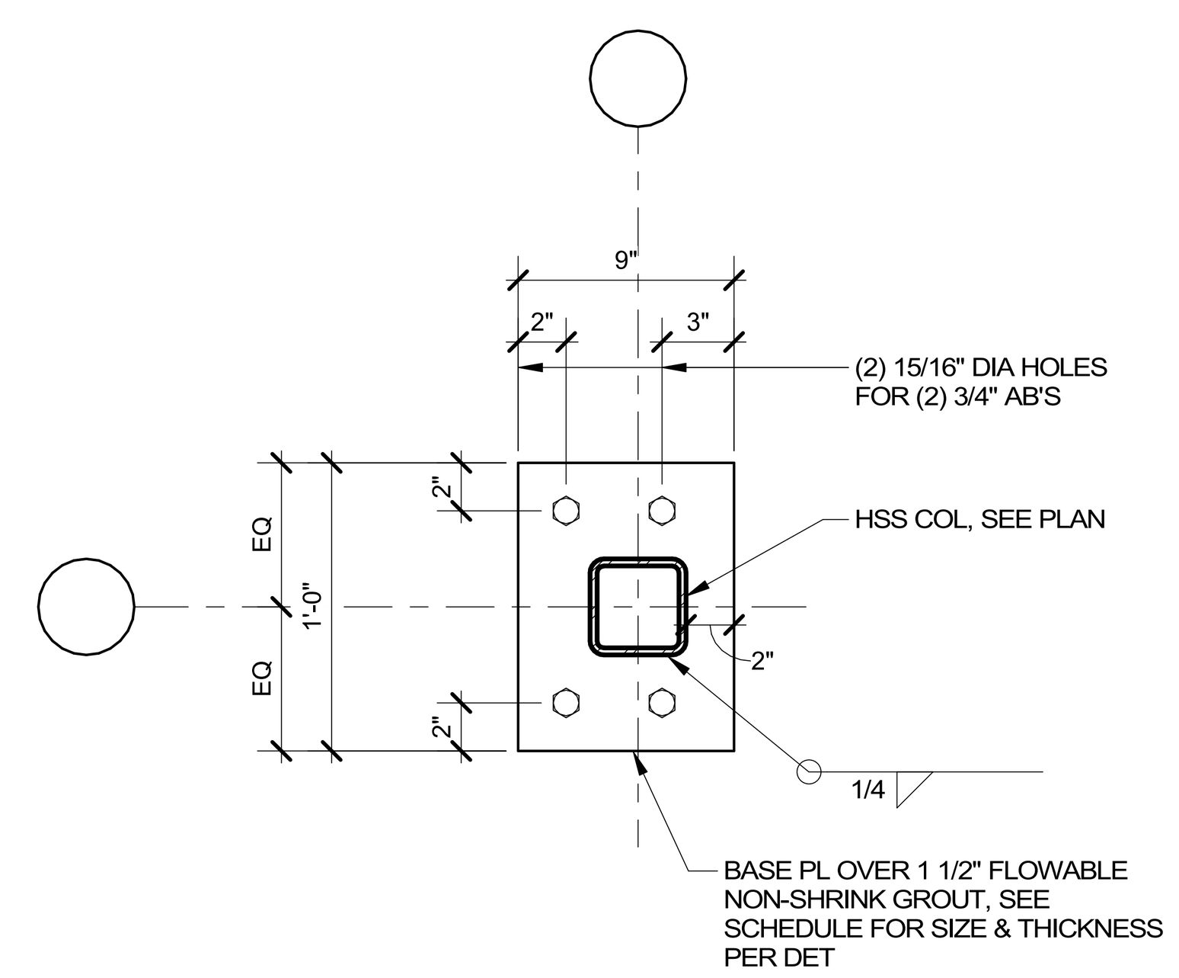
2 WF BM TO HSS COL - BM ONE SIDE
1" = 1'-0"



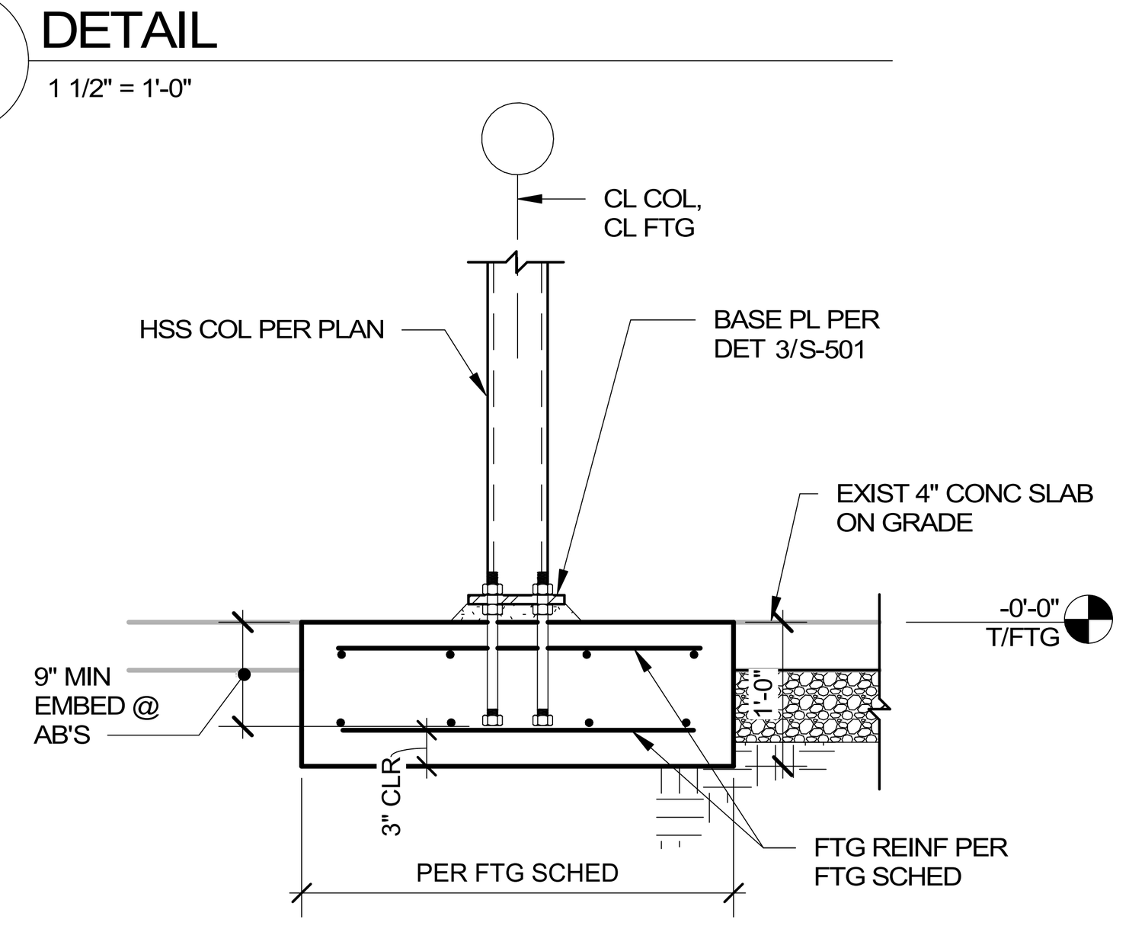
1 Section 1
1/2" = 1'-0"



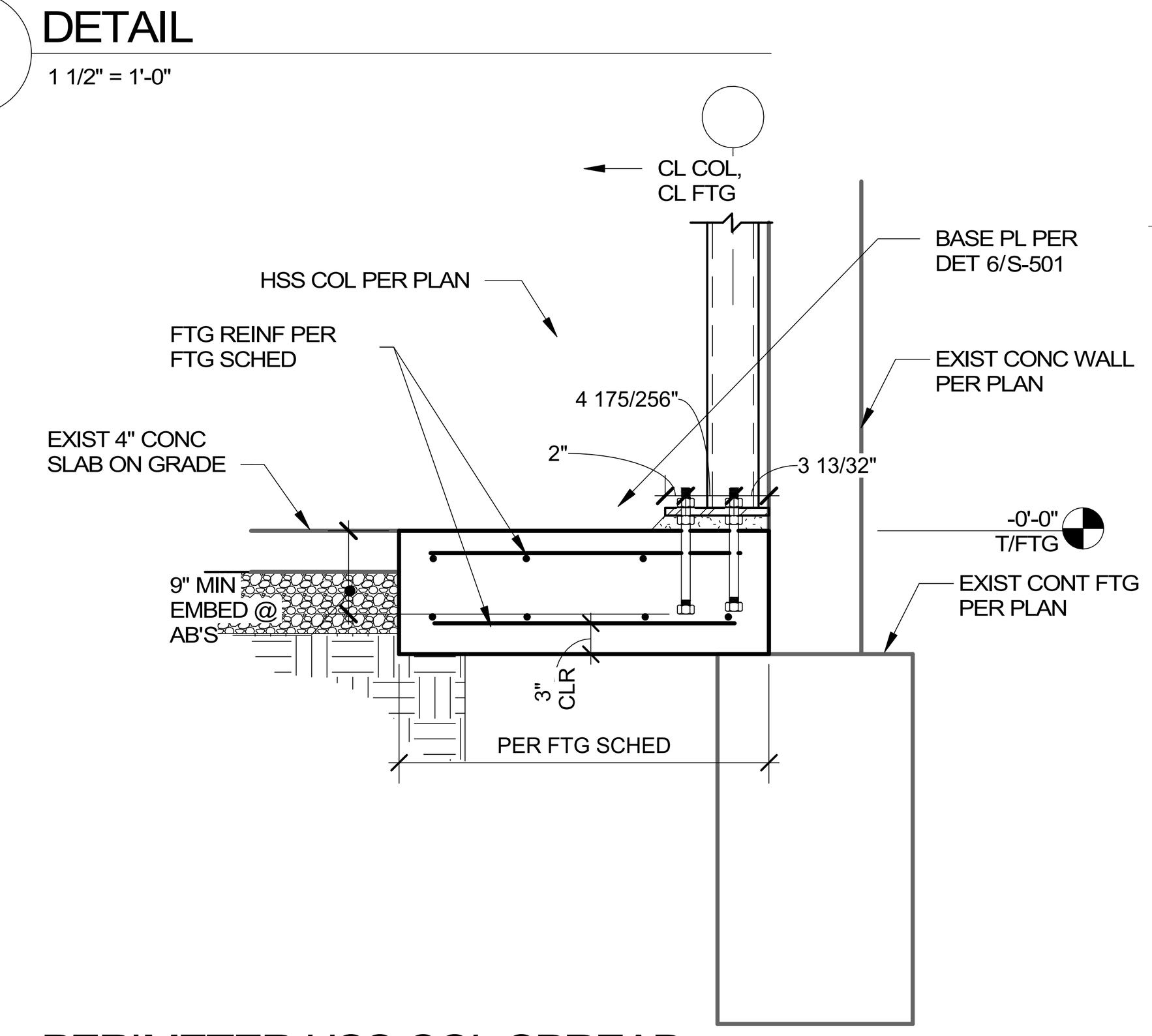
3 DETAIL
1 1/2" = 1'-0"



6 DETAIL
1 1/2" = 1'-0"



4 PERIMETER HSS COL SPREAD FOOTING
3/4" = 1'-0"



5 PERIMETER HSS COL SPREAD FOOTING
3/4" = 1'-0"

Autodesk Docs://SR001_SRCS Terra Linda HS/2024-SR001-001_Struct_HED.rvt

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SAN RAFAEL CITY SCHOOLS

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REGISTERED PROFESSIONAL ENGINEER
TIMOTHY L. FREI
No.4310
Exp.12/31/25
STRUCTURAL
STATE OF CALIFORNIA

2024-SR001-001

STRUCTURAL DETAILS

S-501

GENERAL NOTES

1. THE CONSTRUCTION CONTRACT IS FOR A COMPLETE AND FULLY FUNCTIONING INSTALLATION. THESE DOCUMENTS DESCRIBE THE DESIGN INTENT AND SPECIFIC REQUIREMENTS OF THE INSTALLATION. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. THESE DOCUMENTS ARE NOT MEANT TO SHOW EVERY ITEM REQUIRED TO CONSTRUCT THE WORK. ITEMS SUCH AS, BUT NOT LIMITED TO, FASTENERS, CONNECTORS, FILLERS, MISCELLANEOUS CLOSURE ELEMENTS, ANCILLARY CONTROL WIRING AND POWER WHERE REQUIRED FOR THE CONTROL OR OPERATION OF THE PROVIDED EQUIPMENT, ETC. ARE NOT ALWAYS SHOWN BUT ARE CONSIDERED TO BE INCLUDED IN THE SCOPE OF THE WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A FULLY FUNCTIONING INSTALLATION WHICH MEETS THE DESIGN INTENT, INCLUDING BUT NOT LIMITED TO THE SPECIFIC REQUIREMENTS IN THESE DOCUMENTS.
2. THESE DOCUMENTS DESCRIBE WORK UNDER A SINGLE CONSTRUCTION CONTRACT. THE USE OF SUB-CONTRACTORS IS THE ELECTION OF THE GENERAL CONTRACTOR. IT IS NOT THE INTENT OF THE DOCUMENTS TO DIVIDE THE WORK AMONG SUB-CONTRACTORS. WHERE THE DOCUMENTS IDENTIFY WORK WITH SUCH NOTES AS "NOT IN MECHANICAL WORK" OR "NOT IN ELECTRICAL WORK" OR "SEE STRUCTURAL DRAWINGS," IT MEANS THAT THE WORK IS NOT FURTHER DESCRIBED OR SPECIFIED ON THE DRAWING WHERE SUCH NOTES APPEAR; IT DOES NOT PRECLUDE THE CONTRACTOR FROM DELEGATING THE WORK TO ENTITIES OF HIS ELECTION. IN ADDITION, THE DIVISION OF THE CONTRACT DOCUMENTS INTO ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND MECHANICAL OR OTHER DESIGN DISCIPLINES IS FOR CONVENIENCE ONLY, AND IS NOT INTENDED TO DIVIDE THE WORK AMONG VARIOUS SUB-CONTRACTORS, OR IMPLY THAT ALL OF THE WORK FOR A PARTICULAR TRADE IS SHOWN ONLY IN THOSE DRAWINGS OR SPECIFICATIONS.
3. REFERENCE TO "CONTRACTOR" IN THESE DOCUMENTS SHALL BE INTERPRETED AS REFERRING TO THE GENERAL CONTRACTOR OR TO ANY SUB-CONTRACTOR TO THE GENERAL CONTRACTOR, COLLECTIVELY OR AS INDIVIDUAL ENTITIES. FURTHER, REFERENCE TO A PARTICULAR SUB-CONTRACTOR IS FOR CONVENIENCE ONLY, AND IS NOT INTENDED TO LIMIT THE SCOPE OF THE WORK TO THAT TRADE OR LIMIT THE RESPONSIBILITIES OF THE GENERAL CONTRACTOR TO COORDINATE THE WORK OF ALL TRADES AS DEFINED BY THE OWNER/CONTRACTOR AGREEMENT.
4. THE DRAWINGS AND PROJECT MANUAL ESTABLISH DETAILED MINIMUM REQUIREMENTS FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT. PARTIAL OR OUTDATED SETS OF CONTRACT DOCUMENTS SHOULD NOT BE DISTRIBUTED OR UTILIZED.
5. WORK IS TO COMPLY WITH APPLICABLE FEDERAL, STATE AND LOCAL CODES AND REGULATIONS IN FORCE AT THE TIME OF CONSTRUCTION.
6. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FEES FOR PERMITS PRIOR TO STARTING CONSTRUCTION. PERMITS ARE TO BE POSTED IN A CONSPICUOUS PLACE ON THE PROJECT SITE AS REQUIRED BY AUTHORITY HAVING JURISDICTION.
7. UNLESS SPECIFICALLY NOTED AS BEING RE-USED, MATERIALS FURNISHED AT THE JOB SITE SHALL BE NEW AND FREE FROM DEFECTS, AND SHALL BE STORED AT THE SITE IN SUCH A MANNER AS TO PROTECT THEM FROM DAMAGE. ALL WORK SHALL BE BEST PRACTICE OF EACH TRADE.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLETELY COORDINATE WORK AS REQUIRED TO MEET THE DESIGN INTENT AS DEFINED BY THE DOCUMENTS. THE CONTRACTOR SHALL LAY OUT AND SEQUENCE THE INSTALLATION OF WORK SO THAT THE DIFFERENT SYSTEMS DO NOT OBSTRUCT INSTALLATION OF SUBSEQUENT WORK. IN GENERAL, SYSTEMS INSTALLED FIRST SHOULD BE AS HIGH AND AS TIGHT TO THE STRUCTURE AS POSSIBLE TO ALLOW SPACE FOR SYSTEMS WHICH FOLLOW.
9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND SUB-CONTRACTORS TO REVIEW DRAWINGS, PROJECT MANUAL, ADDENDA, BULLETINS, ETC. IN ORDER TO ENSURE COMPLETE COORDINATION OF WORK. FAILURE TO REVIEW AND COORDINATE ALL CONTRACT DOCUMENTS BY THE GENERAL CONTRACTOR WITH THE SUB-CONTRACTORS FOR APPLICABLE PORTIONS OF THE WORK DOES NOT RELIEVE ANY PARTY FROM PROVIDING MATERIALS AND WORK REQUIRED FOR A COMPLETE INSTALLATION.
10. THE PROJECT MANUAL, WHICH INCLUDES THE GENERAL CONDITIONS, SUPPLEMENTAL CONDITIONS, AND TECHNICAL SPECIFICATIONS, AND THE DRAWINGS, ARE COMPLIMENTARY AND TOGETHER DESCRIBE THE PROJECT REQUIREMENTS. WHERE THERE ARE DISCREPANCIES BETWEEN THE PROJECT MANUAL AND THE DRAWINGS, THE CONTRACTOR SHALL ADVISE THE ARCHITECT OF SUCH AND REQUEST CLARIFICATION. IN GENERAL, THE PROJECT MANUAL TAKES PRECEDENCE OVER DRAWINGS. LARGE SCALE DETAILS TAKE PRECEDENCE OVER SMALL SCALE DETAILS.
11. THE GENERAL CONTRACTOR AND SUB-CONTRACTORS SHALL VISIT THE SITE PRIOR TO BIDDING IN ORDER TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AND THE IMPACT OF THE PROPOSED WORK INDICATED ON THE DRAWINGS AND SPECIFICATIONS ON THESE CONDITIONS. ANY QUESTIONS REGARDING THE COORDINATION OF NEW WORK WITH EXISTING CONDITIONS MUST BE SUBMITTED TO THE ARCHITECT IN WRITING PRIOR TO THE BID SUBMISSION AND WITH ADEQUATE TIME FOR RESPONSE TO ALL BIDDERS. THE ARCHITECT WILL RESPOND TO TIMELY QUESTIONS WITH A WRITTEN RESPONSE TO ALL BIDDERS.
12. ALL WORK NOTED "NIC" IS NOT IN CONTRACT. CONTRACTOR SHALL COORDINATE WITH OTHER CONTRACTORS ON SITE PER REQUIREMENT ESTABLISHED BY OWNER.
13. EXISTING DIMENSIONS AND CONDITIONS INDICATED IN THESE DOCUMENTS ARE FROM ELECTRONIC CAD INFORMATION PROVIDED BY THE OWNER AND ARE ASSUMED TO BE ACCURATE AS SHOWN. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF SUCH INFORMATION PRIOR TO THE START OF CONSTRUCTION, AND ADVISE THE ARCHITECT OF ANY DEVIATIONS OR CONFLICTS WITH THE INFORMATION SHOWN ON THE DRAWINGS.
14. DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR SHALL REFER TO THE DIMENSIONS INDICATED OR THE ACTUAL SIZES OF CONSTRUCTION ITEMS. WHERE NO DIMENSION OR METHODS OF DETERMINING A LOCATION EXISTS, VERIFY DIMENSION WITH ARCHITECT PRIOR TO LAYOUT AND INSTALLATION.
15. THE DRAWINGS AND REFERENCED DETAILS HAVE BEEN DIMENSIONED IN ORDER TO ESTABLISH THE CONTROL AND GUIDELINES FOR FIELD LAYOUT. WHERE DISCREPANCIES EXIST BETWEEN THE DRAWINGS AND FIELD CONDITIONS THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF SUCH PRIOR TO START OF WORK.
16. DIMENSIONS ON DOCUMENTS ARE TO FACE OF FINISH MATERIALS UNLESS OTHERWISE INDICATED.
17. WHERE DIMENSIONS INDICATED ARE NOTED AS VERIFY IN FIELD (VIF) THE DIMENSION SHOWN IS THE BASIS OF DESIGN, BUT MAY DIFFER FROM ACTUAL CONDITIONS. CONTRACTOR SHALL VERIFY THESE DIMENSIONS WHILE LAYING OUT THE WORK AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING. WHERE DIMENSIONS ARE NOTED AS "+/-" FIELD DIMENSIONS MAY VARY FROM THE NOTED DIMENSIONS BY MINOR AMOUNTS. DISCREPANCIES OF MORE THAN 1" SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CONFIRMATION. DIMENSIONS NOTED AS "HOLD" OR "CLEAR" ARE TO BE ACCURATE TO WITHIN 1/4".
18. DETAILS ARE KEYED TO THE PLANS AT TYPICAL LOCATIONS. TYPICAL DETAILS APPLY TO ALL LOCATIONS WHICH ARE SIMILAR BUT ARE NOT NECESSARILY KEYED TO EVERY LOCATION TO WHICH THEY APPLY. CONTRACTOR IS RESPONSIBLE TO COORDINATE THE LOCATION OF ALL TYPICAL DETAILS AND INSTALL THE WORK INDICATED. FEATURES NOT SHOWN IN THEIR ENTIRETY SHALL BE COMPLETELY PROVIDED AS IF SHOWN IN FULL. IF DISCREPANCIES EXIST, CONTRACTOR IS TO REQUEST CLARIFICATION BY THE ARCHITECT OF SUCH CONDITIONS.
19. FINISH FLOOR ELEVATIONS REFER TO TOP OF CONCRETE SLAB, UNLESS NOTED OTHERWISE. WHERE CONCRETE SLAB IS DEPRESSED TO ACCOMMODATE SETTING BEDS, RAISED ACCESS FLOOR, OR OTHER SIMILAR FLOOR ASSEMBLIES, FINISH FLOOR ELEVATIONS ARE TO TOP OF FINISH FLOOR ASSEMBLY INDICATED.
20. FIRE RATING "TAPES" INDICATED ON FLOOR PLANS SHOW EXTENT OF FIRE RATED PARTITIONS, BARRIERS AND FIRE WALLS. RATING IN A PARTITION SHALL BE CONTINUOUS AND SHALL CONTINUE OVER DOORS AND OVER AND BELOW WINDOWS WHETHER OR NOT THEY ARE SHOWN AS SUCH ON THE PLANS. REFER TO PARTITION DETAILS FOR REQUIREMENTS OF THE RATED ASSEMBLIES.
21. VERIFY AND COORDINATE SIZES, LOCATION AND MOUNTING REQUIREMENTS OF ALL EQUIPMENT AND FIXTURES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE REQUIRED BLOCKING, BACKING, SLEEVES, ETC. FOR A COMPLETE, NEAT INSTALLATION. COORDINATE INSTALLATION OF ALL SLEEVES AND OPENINGS AS REQUIRED THROUGH ALL EXISTING OR NEW CONSTRUCTION.
22. DETAILS INDICATE DESIGN INTENT OF WORK IN PLACE. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS OR DIMENSIONS AND ARE TO BE INCLUDED AS PART OF THE WORK.
23. PROVIDE PROTECTION FOR PEDESTRIANS OR OCCUPANTS OF ADJACENT AREAS OF THE BUILDING AS NECESSARY AND AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
24. MAINTAIN THE PREMISES CLEAN AND FREE OF TRASH AND DEBRIS. PROTECT PROJECT, THE SITE, AND PERSONAL PROPERTY FROM DAMAGE.
25. PROTECT WORK AREAS AND EXISTING ADJACENT AREAS, INCLUDING EXISTING UTILITIES, FROM DAMAGE. REPAIR, REPLACE, OR PATCH ANY DAMAGE DUE TO CONSTRUCTION. REPAIRED CONSTRUCTION IS SUBJECT TO REVIEW AND ACCEPTANCE BY ARCHITECT.
26. PROVIDE REQUIRED TEMPORARY UTILITIES, BRACING, SUPPORTS, SHORING, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN ADEQUACY AND SAFETY OF ERECTION.
27. CONTRACTOR SHALL MAINTAIN CURRENT UPDATED RECORD DRAWINGS AND SPECIFICATIONS ON SITE AT ALL TIMES.
28. CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO SITE SAFETY AND SECURITY FOR WORKERS AND GENERAL MEMBERS OF THE PUBLIC.
29. METAL FABRICATIONS AND SUPPORT ASSEMBLIES WHETHER SHOWN OR NOT SHALL BE PROVIDED FOR THE STRUCTURAL SUPPORT OF MISCELLANEOUS ELEMENTS. GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ENGINEERED STRUCTURAL ASSEMBLIES AND CALCULATIONS SHOWING COMPLIANCE WITH CODE REQUIREMENTS AND ACCOUNTING FOR STATIC AND DYNAMIC LOADS INCLUDING ANY WIND OR SEISMIC LOADS, THERMAL MOVEMENT OF SUPPORTING STRUCTURE AND DIMENSIONAL TOLERANCES OF THE BUILDING.
30. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BACK-UP PLATES AND SUPPORTING BRACKETS REQUIRED FOR APPROPRIATE INSTALLATION OF ALL TOILET ROOM ACCESSORIES AND PARTITIONS, AND ALL WALL MOUNTED OR SUSPENDED MECHANICAL, ELECTRICAL OR MISCELLANEOUS EQUIPMENT.
31. PIPE SLEEVES IN MECHANICAL EQUIPMENT ROOMS EXTEND 2" ABOVE THE FLOOR LINE. FILL THE ANNULAR SPACES OF PIPE SLEEVES THROUGH THE FLOOR OR THROUGH RATED WALLS WITH FIRE SAFING AND SMOKE SEAL COMPOUND AS INDICATED ON THE SPECIFICATION, AND AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
32. SIZES OF MECHANICAL EQUIPMENT PADS AND BASES SHOWN ON PLAN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY DIMENSIONS OF ALL PADS AND BASES WITH THE APPROPRIATE EQUIPMENT MANUFACTURERS. CONTRACTOR SHALL COORDINATE MOUNTINGS WITH APPROPRIATE EQUIPMENT MANUFACTURERS. PADS AND BASES SHALL BE INDICATED ON SUBMITTALS AND BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO LAY-OUT OF REINFORCING STEEL OR STEEL DECK.
33. PROVIDE ACCESS PANELS FOR MECHANICAL AND ELECTRICAL EQUIPMENT AS REQUIRED BY APPLICABLE CODES. ALL ACCESS PANELS IN GYP BOARD SHALL BE CONCEALED, MUD-IN TYPE. ELECTRICAL J-BOXES, PLUMBING CLEANOUTS, FIRE DAMPERS AND OTHER SIMILAR ITEMS REQUIRING ACCESS ARE NOT TO BE LOCATED ABOVE GYPSUM BOARD OR SIMILAR NON-ACCESSIBLE CEILING.

ABBREVIATIONS

ADJ	ADJACENT, ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
BLDG	BUILDING
CIP	CAST-IN-PLACE
CJ	CONSTRUCTION JOINT, CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR, CLEARANCE
CMU	CONCRETE MASONRY UNIT(S)
COL	COLUMN
CONC	CONCRETE
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DWG	DRAWING
EA	EACH
EF	EXHAUST FAN
EJ	EXPANSION JOINT
EL	ELEVATION (GRADE)
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FFE	FURNITURE, FIXTURES & EQUIPMENT
FIN	FINISH, FINISHED
FR	FIRE RATED, FIRE RETARDANT
FRTW	FIRE RETARDANT TREATED WOOD
GA	GAUGE
GALV	GALVANIZED
GYP BD	GYPSUM BOARD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
INT	INTERIOR
MAX	MAXIMUM
MFR	MANUFACTURER
MIN	MINIMUM
MO	MASONRY OPENING
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OH	OPPOSITE HAND
OPP	OPPOSITE
PL	PROPERTY LINE
PPT	PRESERVATIVE PRESSURE TREATED
PR	PAIR
PSF	PER SQUARE FOOT
RD	ROOF DRAIN
SF	SQUARE FOOT
SIM	SIMILAR
SPEC	SPECIFICATIONS
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORIES
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT

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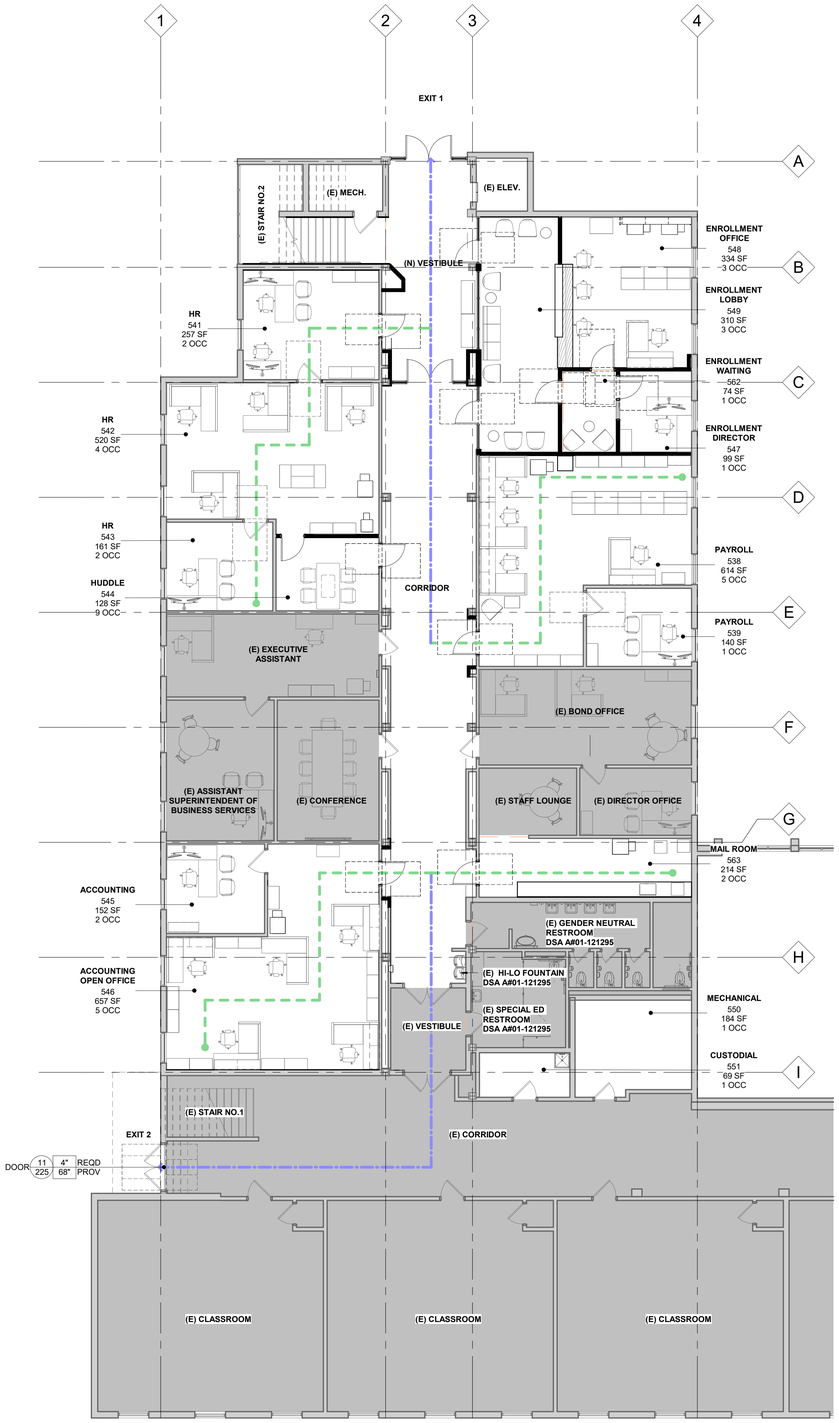
Architectural General Notes & Abbreviations

A-001



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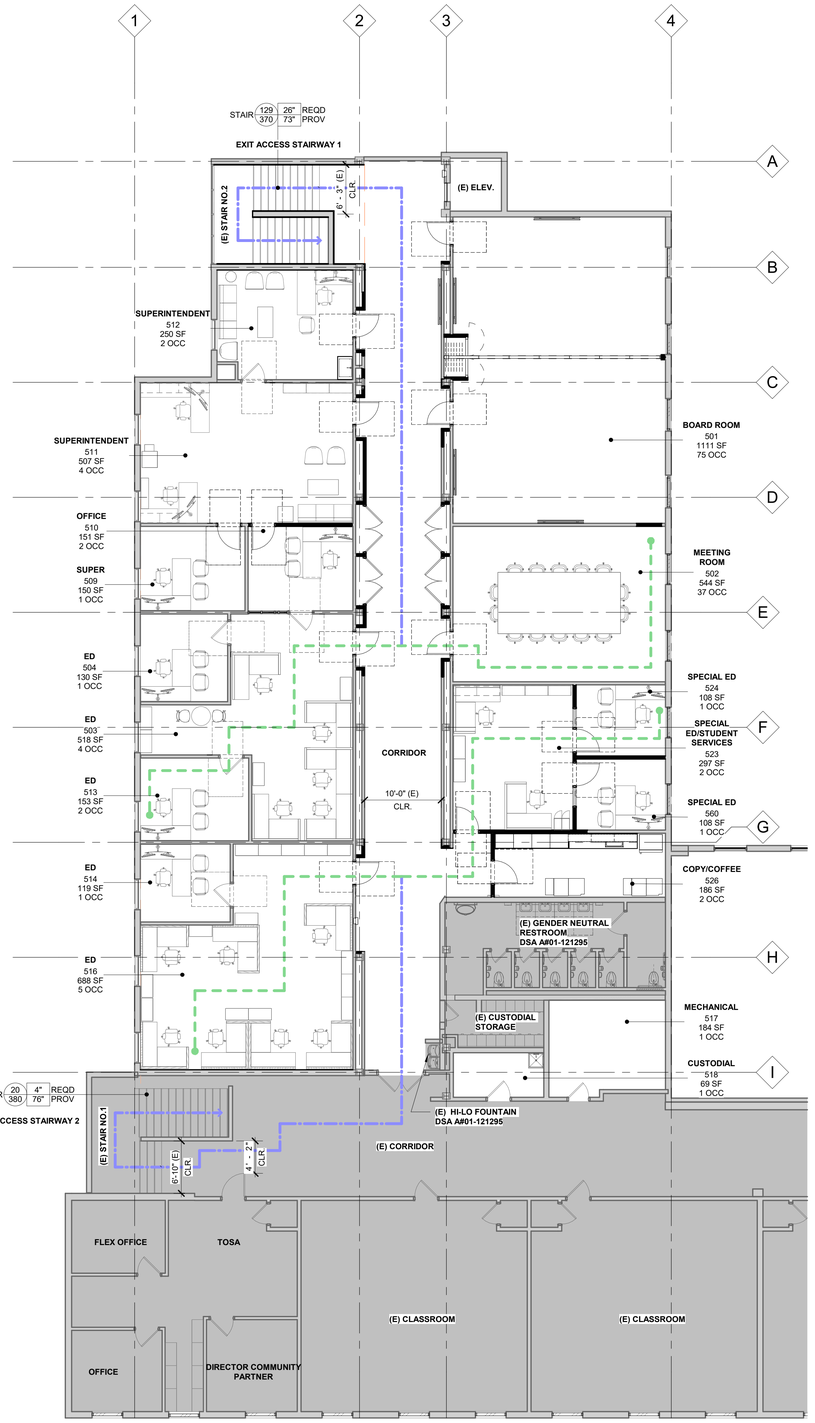
LEVEL 1 - EGRESS FLOOR PLAN

1/8" = 1'-0"



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LEVEL 2 - EGRESS FLOOR PLAN

1/8" = 1'-0"

EGRESS & EXIT ANALYSIS NOTES

1. EGRESS WIDTH REQUIREMENTS PER **C.B.C. SECTION 1005.3.2**. THE CAPACITY, IN INCHES, OF MEANS OF EGRESS COMPONENTS OTHER THAN STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY SUCH COMPONENT BY A MEANS OF EGRESS CAPACITY FACTOR OF **0.2 INCH PER OCCUPANT.**

2. EGRESS WIDTH REQUIREMENTS PER **C.B.C. SECTION 1005.3.1.** THE CAPACITY, IN INCHES, OF MEANS OF EGRESS STAIRWAYS SHALL BE CALCULATED BY MULTIPLYING THE OCCUPANT LOAD SERVED BY SUCH STAIRWAYS BY A MEANS OF EGRESS CAPACITY FACTOR OF **0.3 INCH PER OCCUPANT**.

3. MAXIMUM COMMON PATH OF EGRESS TRAVEL (CPT) PER **C.B.C. TABLE 1006.2.1**
- **a.** MAXIMUM OCCUPANT LOAD OF SPACE: **49 OCC**
- **b.** OCCUPANCY B: **75'-0"** (REQUIRED) WITHOUT FIRE SPRINKLER SYSTEM

4. MAXIMUM EXIT ACCESS TRAVEL DISTANCE (EATD) PER **C.B.C. TABLE 1017.2**
- **a.** OCCUPANCY E: **200'-0"** (REQUIRED) WITHOUT FIRE SPRINKLER SYSTEM

5. ONLY THE LONGEST EATDS AND CPTS SHOWN ON THIS PLAN., THESE REPRESENT THE WORST CASE SCENARIOS FOR EACH FLOOR.

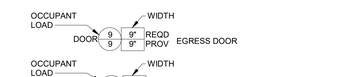
6. CORRIDOR FIRE-RESISTANCE RATING PER **C.B.C. TABLE 1020.2**
- **a.** OCCUPANCY E: **1 HR** (REQUIRED) WITHOUT FIRE SPRINKLER SYSTEM

7. ANY TWO EXITS, EXIT ACCESS DOORWAYS, OR EXIT ACCESS STAIRWAYS SHALL BE PLACED AT A DISTANCE APART EQUAL TO NOT LESS THAN **1/2** OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING OR AREA TO BE SERVED MEASURED IN A STRAIGHT LINE BETWEEN THEM **PER C.B.C. 1007.1.1.**

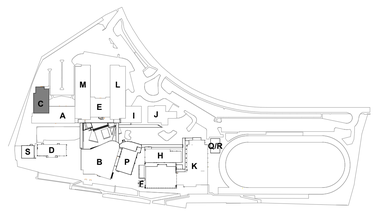
8. ALL STAIRS & DOORS ARE ACCESSIBLE MEANS OF EGRESS U.O.N.

LIFE SAFETY PLAN LEGEND

Name 101 150 SF 10 OCC	ROOM NAME ROOM NUMBER SQ FT OCCUPANCY LOAD
	EXIT SIGN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
	COMMON PATH OF TRAVEL
	EXIT ACCESS TRAVEL DISTANCE



KEY PLAN



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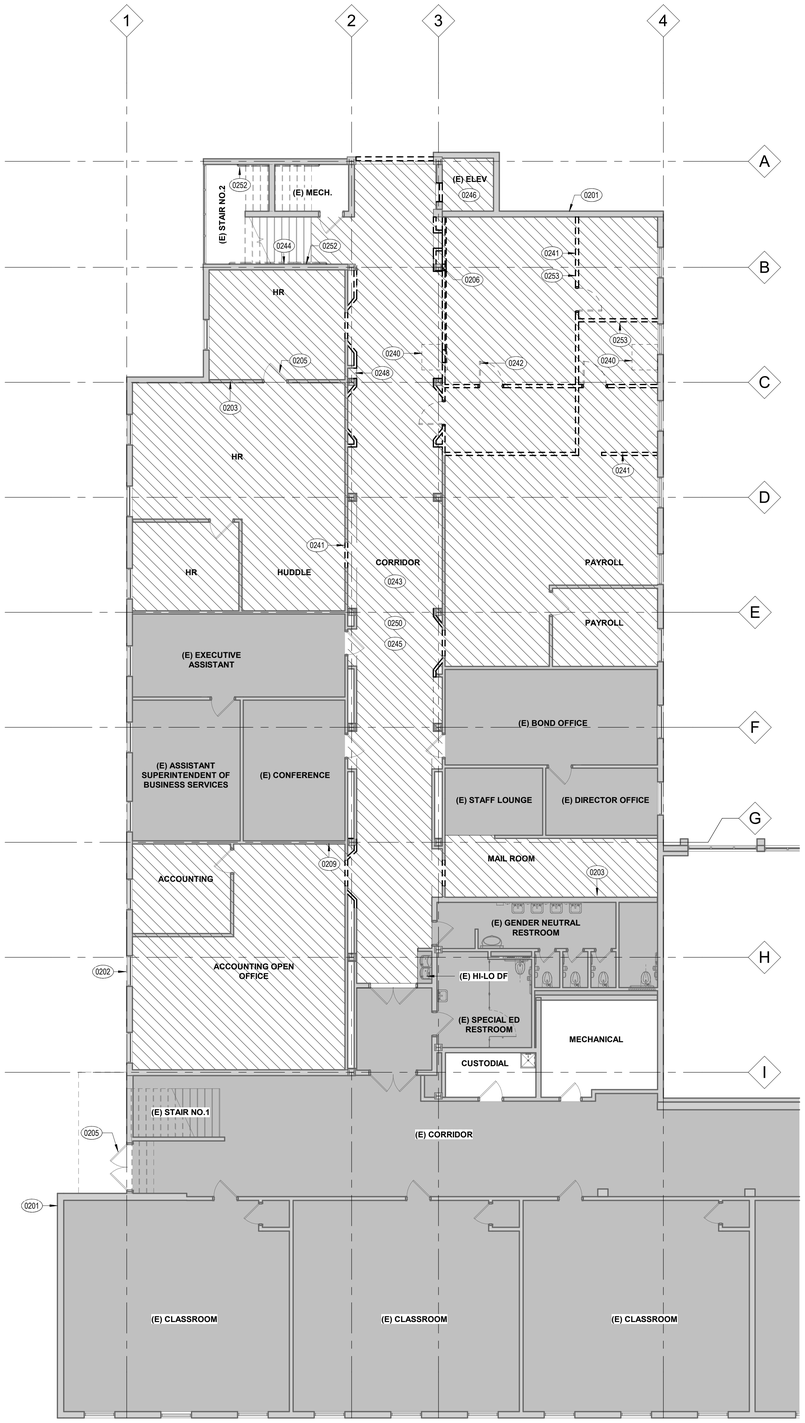
Life Safety Plan

AC-101



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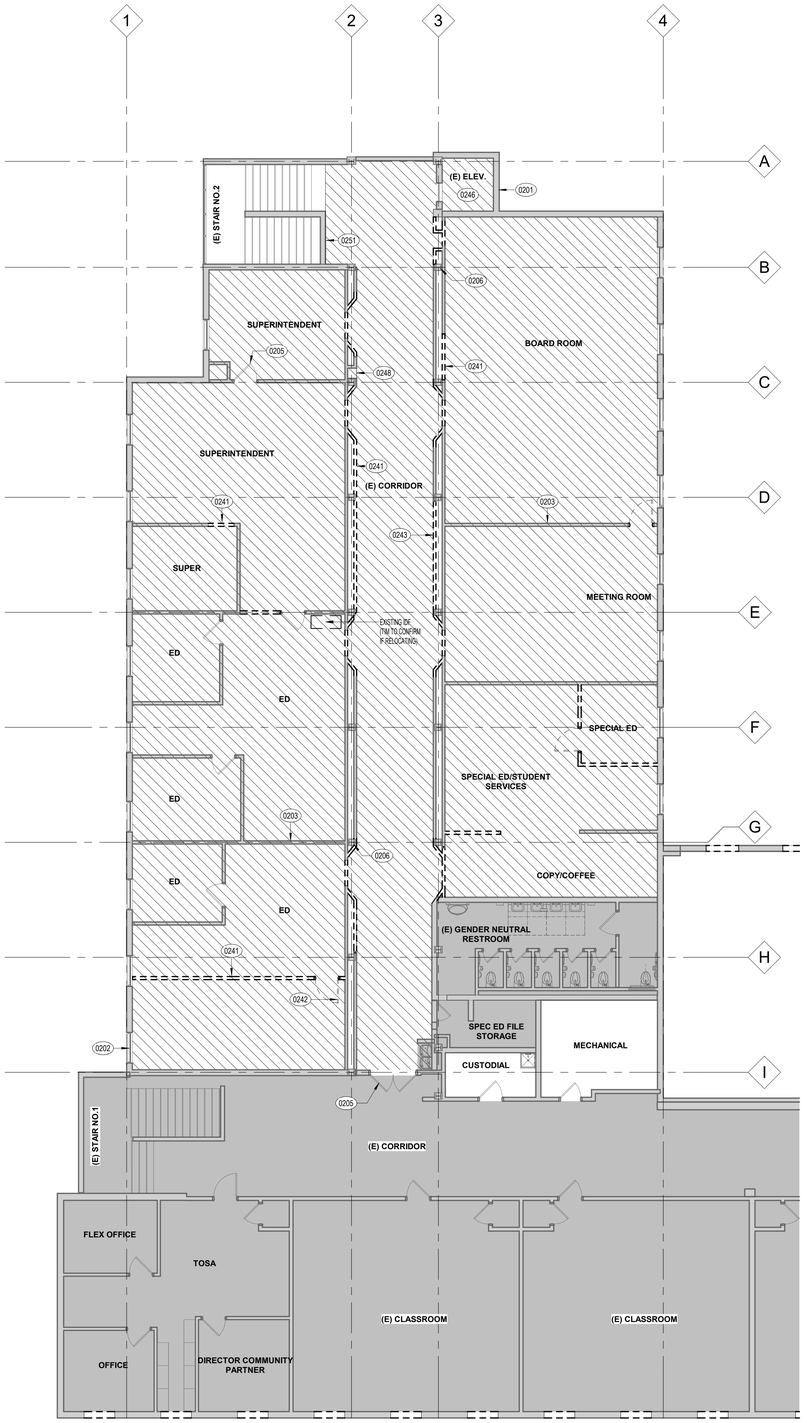
LEVEL 1 - DEMOLITION FLOOR PLAN

1/8" = 1'-0"



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LEVEL 2 - DEMOLITION FLOOR PLAN

1/8" = 1'-0"

DEMOLITION KEYNOTE LEGEND

0201	(E) TO REMAIN EXTERIOR WALL, TYP. ALL
0202	(E) TO REMAIN EXTERIOR WINDOW, TYP. ALL
0203	(E) TO REMAIN INTERIOR WALL, TYP. U.O.N.
0205	(E) TO REMAIN DOOR, TYP. U.O.N.
0206	(E) TO REMAIN COLUMN, TYP. ALL
0209	(E) TO REMAIN ELECTRICAL PANEL
0240	REMOVE (E) SLAB AS REQUIRED FOR (N) FOOTING, SEE STRUCTURAL
0241	REMOVE (E) INTERIOR WALL, EXTENT AS SHOWN
0242	REMOVE (E) DOOR AND FRAME, TYP. U.O.N.
0243	REMOVE (E) FLOORING AND BASE, TYP. ALL U.O.N. CLEAN AND PREPARE CONCRETE SLAB TO RECEIVE NEW FINISH
0244	REMOVE WALL TILE AT (E) STAIRS, TYP. ALL
0245	REMOVE WALL TILE AT (E) CORRIDOR, TYP. ALL
0246	REMOVE CARPET AT (E) ELEVATOR
0248	REMOVE (E) DRINKING FOUNTAIN
0250	REMOVE (E) CASEWORK, TYP. ALL
0251	REMOVE (E) INTERIOR WINDOWS
0252	REMOVE (E) NON-COMPLIANT HANDRAIL AT (E) STAIR
0253	REMOVE (E) CLERESTORY WINDOW ABOVE

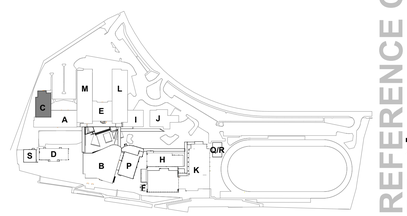
DEMOLITION PLAN NOTES

1. THE ARCHITECT HAS NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL, OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO, HAZARDOUS MATERIALS OR TOXIC SUBSTANCES IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO, ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB), LEAD PAINT OR OTHER TOXIC SUBSTANCES. THE FACT THAT THESE DOCUMENTS DO NOT INDICATE THE PRESENCE OF OR REMOVAL OR CONTAINMENT OF THE FOREGOING IS NOT INTENDED TO INDICATE THAT THESE MATERIALS OR SUBSTANCES, AMONG OTHERS, ARE NOT PRESENT AND ARE NOT REQUIRED TO BE REMOVED OR CONTAINED IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
2. PORTIONS OF THE BUILDING IMMEDIATELY ADJACENT TO THE PROJECT AREA WILL BE OCCUPIED DURING SELECTIVE DEMOLITION. WORK SHALL NOT DISTURB NORMAL OPERATIONS ADJACENT TO AREAS IDENTIFIED FOR SELECTIVE DEMOLITION WITHOUT THE EXPRESS CONSENT OF PARTIES AFFECTED. DISTURBANCE MAY INCLUDE, WITHOUT LIMITATION, DUST, DIRT, DEBRIS, NOISE, ODORS, ETC.
3. CONDUCT WORK IN MANNER THAT WILL MINIMIZE NEED FOR DISRUPTION OF NORMAL OPERATIONS. PROVIDE MINIMUM 72 HOURS ADVANCE NOTICE OF DEMOLITION ACTIVITIES DISRUPTING OPERATIONS IN AREAS AROUND THE WORK, INCLUDING ON LEVELS ABOVE OR BELOW AS APPLICABLE.
4. PROVIDE TEMPORARY BARRICADES AND OTHER FORMS OF PROTECTION TO PROTECT STAFF PERSONNEL AND GENERAL PUBLIC FROM INJURY DURING SELECTIVE DEMOLITION WORK.
5. CONTRACTOR SHALL VERIFY EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS AND FLOOR ELEVATIONS IN FIELD AND NOTIFY THE ARCHITECT OF DISCREPANCIES PRIOR TO START OF WORK.
6. CONTRACTOR TO DOCUMENT EXISTING CONDITIONS PRIOR TO START OF WORK USING PHOTOGRAPHS, VIDEOS, OR OTHER MEANS WHICH CAN BE READILY SHARED. SUCH DOCUMENTATION WILL BE MADE AVAILABLE TO ARCHITECT AS REQUIRED BELOW.
7. PROTECT FROM DAMAGE EXISTING FINISH WORK THAT IS TO REMAIN IN PLACE AND IS EXPOSED DURING DEMOLITION OPERATIONS. RESTORE ANY DAMAGED FINISHES TO CONDITION PRIOR TO START OF WORK.
8. ALL FLOORING IN HALLWAYS, OFFICES AND RESTROOMS TO BE REMOVED AND REPLACED. PROTECT FLOORS WITH SUITABLE COVERING WHEN NECESSARY.
9. COVER AND PROTECT FURNITURE, EQUIPMENT, AND FIXTURES FROM SOILING OR DAMAGE WHEN DEMOLITION WORK IS PERFORMED IN AREAS WHERE SUCH ITEMS HAVE NOT BEEN REMOVED. RESTORE ANY SUCH ELEMENTS THAT ARE DAMAGED TO CONDITION PRIOR TO DEMOLITION WORK.
10. PRIOR TO CUTTING EXISTING CONSTRUCTION, LOCATE AND VISIBLY MARK SERVICES TO REMAIN IN OPERATION, INCLUDING FLOOR PENETRATIONS, UNDOCUMENTED CONDITIONS, UTILITY RISERS, ETC., AND WALLS THAT CONTAIN VERTICAL RISERS THAT REMAIN IN OPERATION DURING THE DEMOLITION WORK.
11. IF UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS THAT CONFLICT WITH INTENDED FUNCTION OF DESIGN ARE ENCOUNTERED, INVESTIGATE, MEASURE AND DOCUMENT NATURE AND EXTENT OF CONFLICT AND NOTIFY ARCHITECT BEFORE PROCEEDING.
12. MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT UTILITIES SERVING FUNCTIONING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES ACCEPTABLE TO GOVERNING AUTHORITIES DURING INTERRUPTIONS TO EXISTING UTILITIES.
13. WHERE DEMOLITION IS REQUIRED BEYOND THE LIMITS OF THE CONTRACT TO ROUTE NEW DUCTWORK, PIPING, CONDUITS ETC., RATED WALLS AND SMOKE BARRIERS SHALL BE PATCHED BY CONTRACTOR MAKING PENETRATIONS. ALL FINISHES DAMAGED BY THE WORK SHALL BE RESTORED TO THEIR CONDITION PRIOR TO START OF WORK.
14. REPAIR DEMOLITION IN EXCESS OF THAT REQUIRED. RETURN ELEMENTS OF CONSTRUCTION AND SURFACES TO REMAIN TO CONDITION PRIOR TO START OF OPERATIONS. REPAIR ADJACENT CONSTRUCTION OR SURFACES SOILED OR DAMAGED BY SELECTIVE DEMOLITION.
15. PROVIDE SHORING, BRACING OR OTHER MEANS REQUIRED TO PROTECT AND MAINTAIN THE SAFETY, INTEGRITY AND STABILITY OF EXISTING AND NEW CONSTRUCTION. WHEN REQUIRED, DESIGN OF THESE MEANS AND METHODS SHALL BE BY A LICENSED PROFESSIONAL ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
16. ERECT AND MAINTAIN 1 HOUR FIRE RESISTANCE RATED TEMPORARY PARTITIONS WHERE REQUIRED OR AS DIRECTED BY THE AHJ TO PROTECT EXISTING CONSTRUCTION AND ADJACENT OPERATIONS.
17. REMOVAL OF ITEMS NOTED INCLUDES REMOVAL OF ASSOCIATED ANCHORS, ADHESIVES, HARDWARE, CONDUIT, WIRE, PIPING, FASTENERS, BRACKETS, SUPPORTS, ETC. TO BARE EXISTING STRUCTURE.
18. NEW CEILING INSTALLATIONS ARE NOT TO REUSE COMPONENTS OF OLD OR REMOVED CEILING SYSTEMS. WHERE EXISTING CEILINGS ARE INDICATED TO BE DEMOLISHED, COMPLETELY REMOVE EXISTING CEILING AND SUSPENSION SYSTEM COMPONENTS, INCLUDING BRACKETS, SUPPORT WIRES, SPLAY WIRES, COMPRESSION STRUTS, AND ATTACHMENTS TO STRUCTURE.
19. REMOVE WALL COVERING AND BASE AT EXISTING WALLS SCHEDULED TO RECEIVE NEW FINISHES. PREP WALL TO RECEIVE SCHEDULED FINISH. REFER TO FINISH PLANS/SCHEDULES FOR EXTENT OF DEMOLITION.
20. EXISTING LOCKERS ON LEVEL 1 TO BE REMOVED, PATCH AND PREP WALLS TO RECEIVE NEW FINISHES.
21. REMOVE DIAGONAL WALLS AT ENTRANCES TO PROVIDE CODE REQUIRED ACCESSIBLE LATCHSIDE CLEARANCE.
22. FINISHES AT STAIRS TO REMAIN, PROTECT IN PLACE.

DEMOLITION LEGEND

- EXISTING TO BE REMOVED
- EXISTING TO REMAIN
- REMOVE EXISITNG FLOORING AND BASE FINISHES, INCLUDING IN AREAS/ROOMS NOT IN SCOPE OF WORK. PREPARE AND CLEAN SUB-FLOOR FOR NEW WORK.
- AREA NOT IN SCOPE OF WORK

KEY PLAN



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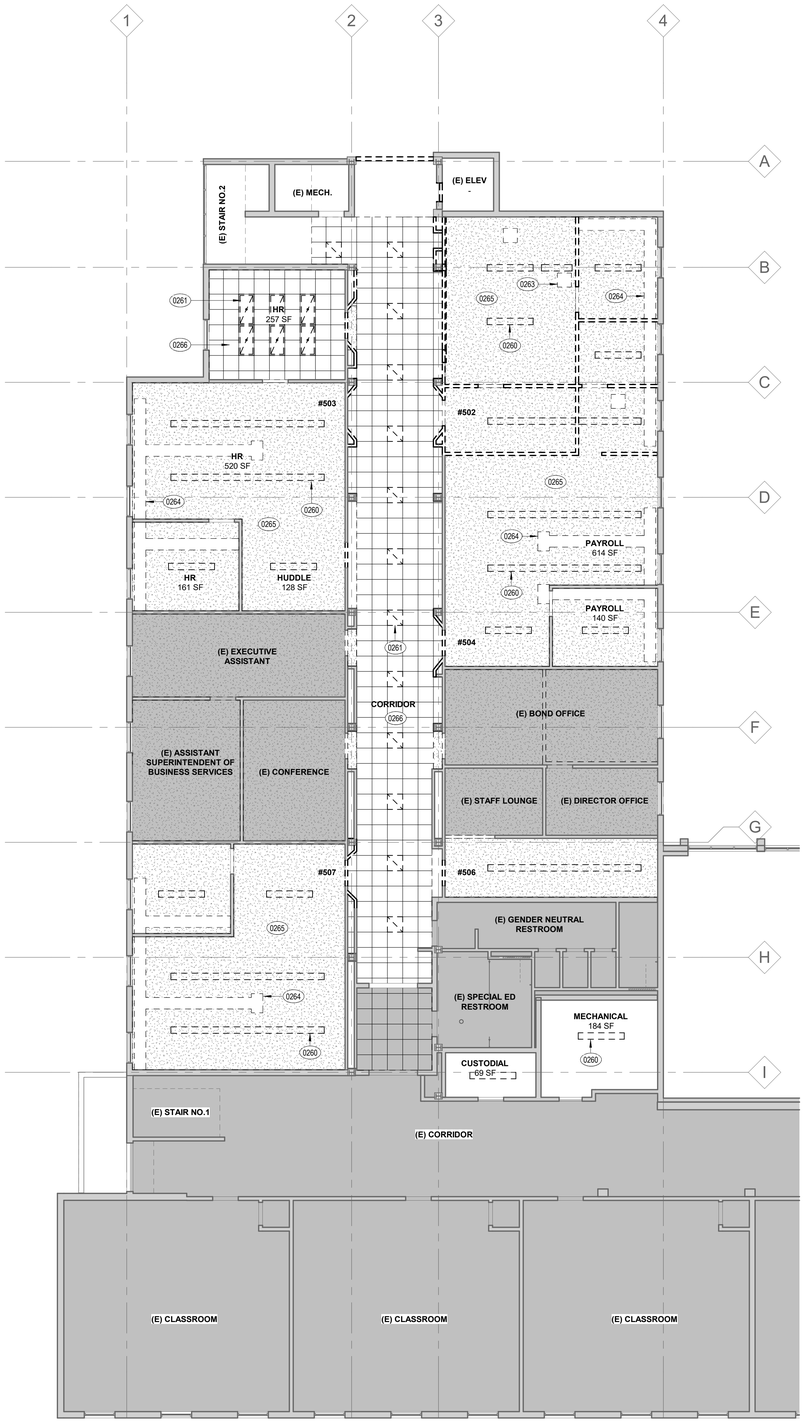
Demolition Floor Plan

AD-101



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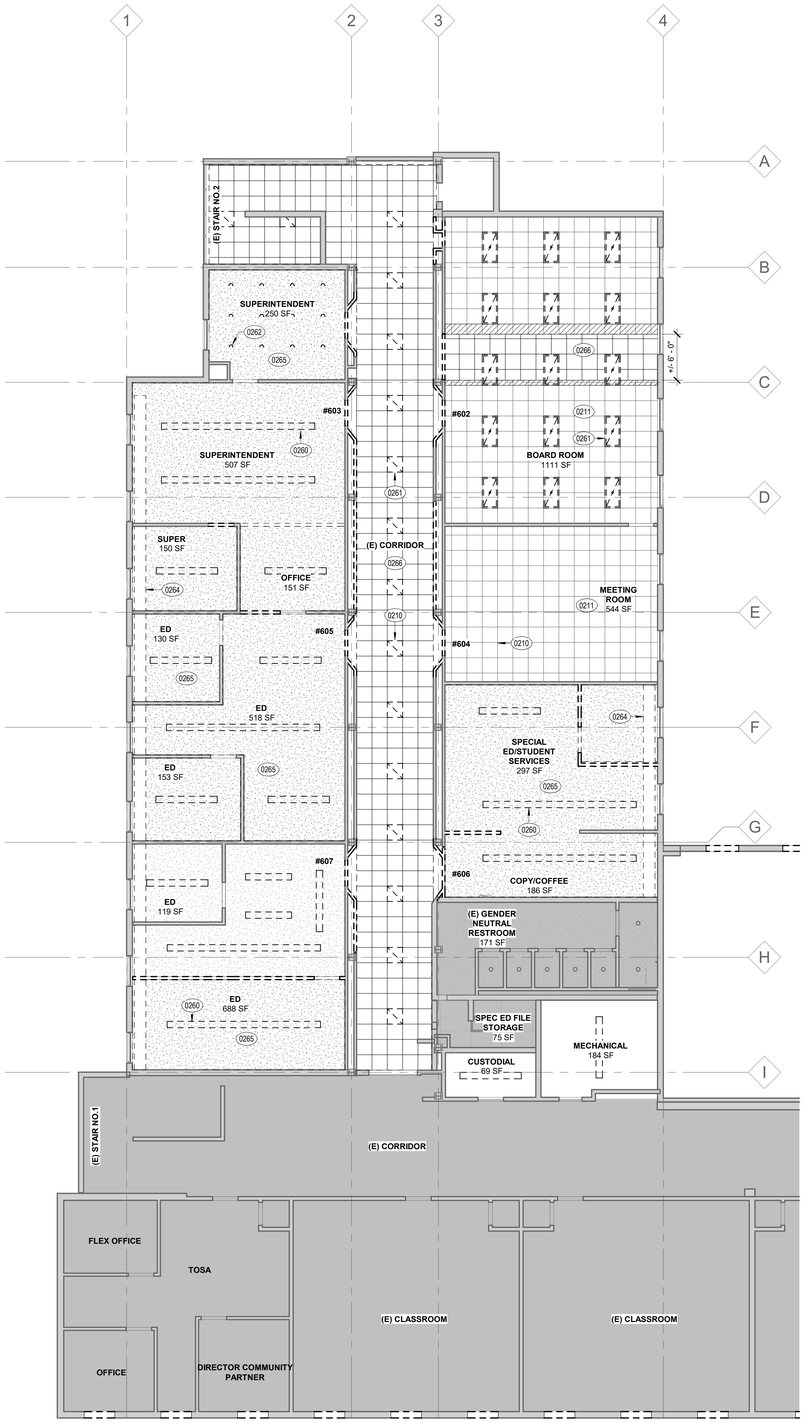
LEVEL 1 - DEMOLITION REFLECTED CEILING PLAN

1/8" = 1'-0"



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LEVEL 2 - DEMOLITION REFLECTED CEILING PLAN

1/8" = 1'-0"

DEMOLITION KEYNOTE LEGEND

0210	(E) TO REMAIN RECESSED LIGHT FIXTURE
0211	(E) TO REMAIN ACT CEILING, TYP. U.O.N.
0260	REMOVE (E) SUSPENDED LINEAR FIXTURE, TYP. ALL U.O.N.
0261	REMOVE (E) RECESSED FLUORESCENT LIGHT FIXTURE, TYP. U.O.N.
0262	REMOVE (E) RECESSED ROUND LIGHT FIXTURE, TYP. ALL
0263	REMOVE (E) ACCESS PANEL, TYP.
0264	REMOVE (E) MECHANICAL DUCTWORK, TYP. ALL
0265	REMOVE (E) GYP BD CEILING, TYP. ALL U.O.N.
0266	REMOVE (E) ACT CEILING

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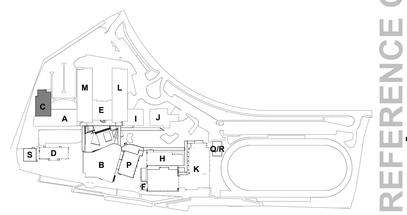
5. CONTRACTOR SHALL VERIFY EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS AND FLOOR ELEVATIONS IN FIELD AND NOTIFY THE ARCHITECT OF DISCREPANCIES PRIOR TO START OF WORK.
6. CONTRACTOR TO DOCUMENT EXISTING CONDITIONS PRIOR TO START OF WORK USING PHOTOGRAPHS, VIDEOS, OR OTHER MEANS WHICH CAN BE READILY SHARED. SUCH DOCUMENTATION WILL BE MADE AVAILABLE TO ARCHITECT AS REQUIRED BELOW.
7. PROTECT FROM DAMAGE EXISTING FINISH WORK THAT IS TO REMAIN IN PLACE AND IS EXPOSED DURING DEMOLITION OPERATIONS. RESTORE ANY DAMAGED FINISHES TO CONDITION PRIOR TO START OF WORK.
8. ALL FLOORING IN HALLWAYS, OFFICES AND RESTROOMS TO BE REMOVED AND REPLACED. PROTECT FLOORS WITH SUITABLE COVERING WHEN NECESSARY.
9. COVER AND PROTECT FURNITURE, EQUIPMENT, AND FIXTURES FROM SOILING OR DAMAGE WHEN DEMOLITION WORK IS PERFORMED IN AREAS WHERE SUCH ITEMS HAVE NOT BEEN REMOVED. RESTORE ANY SUCH ELEMENTS THAT ARE DAMAGED TO CONDITION PRIOR TO DEMOLITION WORK.
10. PRIOR TO CUTTING EXISTING CONSTRUCTION, LOCATE AND VISIBLY MARK SERVICES TO REMAIN IN OPERATION, INCLUDING FLOOR PENETRATIONS, UNDOCUMENTED CONDITIONS, UTILITY RISERS, ETC., AND WALLS THAT CONTAIN VERTICAL RISERS THAT REMAIN IN OPERATION DURING THE DEMOLITION WORK.
11. IF UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS THAT CONFLICT WITH INTENDED FUNCTION OF DESIGN ARE ENCOUNTERED, INVESTIGATE, MEASURE AND DOCUMENT NATURE AND EXTENT OF CONFLICT AND NOTIFY ARCHITECT BEFORE PROCEEDING.
12. MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT UTILITIES SERVING FUNCTIONING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES ACCEPTABLE TO GOVERNING AUTHORITIES DURING INTERRUPTIONS TO EXISTING UTILITIES.
13. WHERE DEMOLITION IS REQUIRED BEYOND THE LIMITS OF THE CONTRACT TO ROUTE NEW DUCTWORK, PIPING, CONDUITS ETC., RATED WALLS AND SMOKE BARRIERS SHALL BE PATCHED BY CONTRACTOR MAKING PENETRATIONS. ALL FINISHES DAMAGED BY THE WORK SHALL BE RESTORED TO THEIR CONDITION PRIOR TO START OF WORK.
14. REPAIR DEMOLITION IN EXCESS OF THAT REQUIRED. RETURN ELEMENTS OF CONSTRUCTION AND SURFACES TO REMAIN TO CONDITION PRIOR TO START OF OPERATIONS. REPAIR ADJACENT CONSTRUCTION OR SURFACES SOILED OR DAMAGED BY SELECTIVE DEMOLITION.
15. PROVIDE SHORING, BRACING OR OTHER MEANS REQUIRED TO PROTECT AND MAINTAIN THE SAFETY, INTEGRITY AND STABILITY OF EXISTING AND NEW CONSTRUCTION. WHEN REQUIRED, DESIGN OF THESE MEANS AND METHODS SHALL BE BY A LICENSED PROFESSIONAL ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.
16. ERECT AND MAINTAIN 1 HOUR FIRE RESISTANCE RATED TEMPORARY PARTITIONS WHERE REQUIRED OR AS DIRECTED BY THE AHJ TO PROTECT EXISTING CONSTRUCTION AND ADJACENT OPERATIONS.
17. REMOVAL OF ITEMS NOTED INCLUDES REMOVAL OF ASSOCIATED ANCHORS, ADHESIVES, HARDWARE, CONDUIT, WIRE, PIPING, FASTENERS, BRACKETS, SUPPORTS, ETC. TO BARE EXISTING STRUCTURE.
18. NEW CEILING INSTALLATIONS ARE NOT TO REUSE COMPONENTS OF OLD OR REMOVED CEILING SYSTEMS. WHERE EXISTING CEILINGS ARE INDICATED TO BE DEMOLISHED, COMPLETELY REMOVE EXISTING CEILING AND SUSPENSION SYSTEM COMPONENTS, INCLUDING BRACKETS, SUPPORT WIRES, SPLAY WIRES, COMPRESSION STRUTS, AND ATTACHMENTS TO STRUCTURE.
19. REMOVE WALL COVERING AND BASE AT EXISTING WALLS SCHEDULED TO RECEIVE NEW FINISHES. PREP WALL TO RECEIVE SCHEDULED FINISH. REFER TO FINISH PLANS/SCHEDULES FOR EXTENT OF DEMOLITION.
20. EXISTING LOCKERS ON LEVEL 1 TO BE REMOVED, PATCH AND PREP WALLS TO RECEIVE NEW FINISHES.
21. REMOVE DIAGONAL WALLS AT ENTRANCES TO PROVIDE CODE REQUIRED ACCESSIBLE LATCHSIDE CLEARANCE.
22. FINISHES AT STAIRS TO REMAIN, PROTECT IN PLACE.

DEMOLITION LEGEND

- EXISTING TO BE REMOVED
- EXISTING TO REMAIN
- PATCH ACT TO MATCH (E) ACT

KEY PLAN



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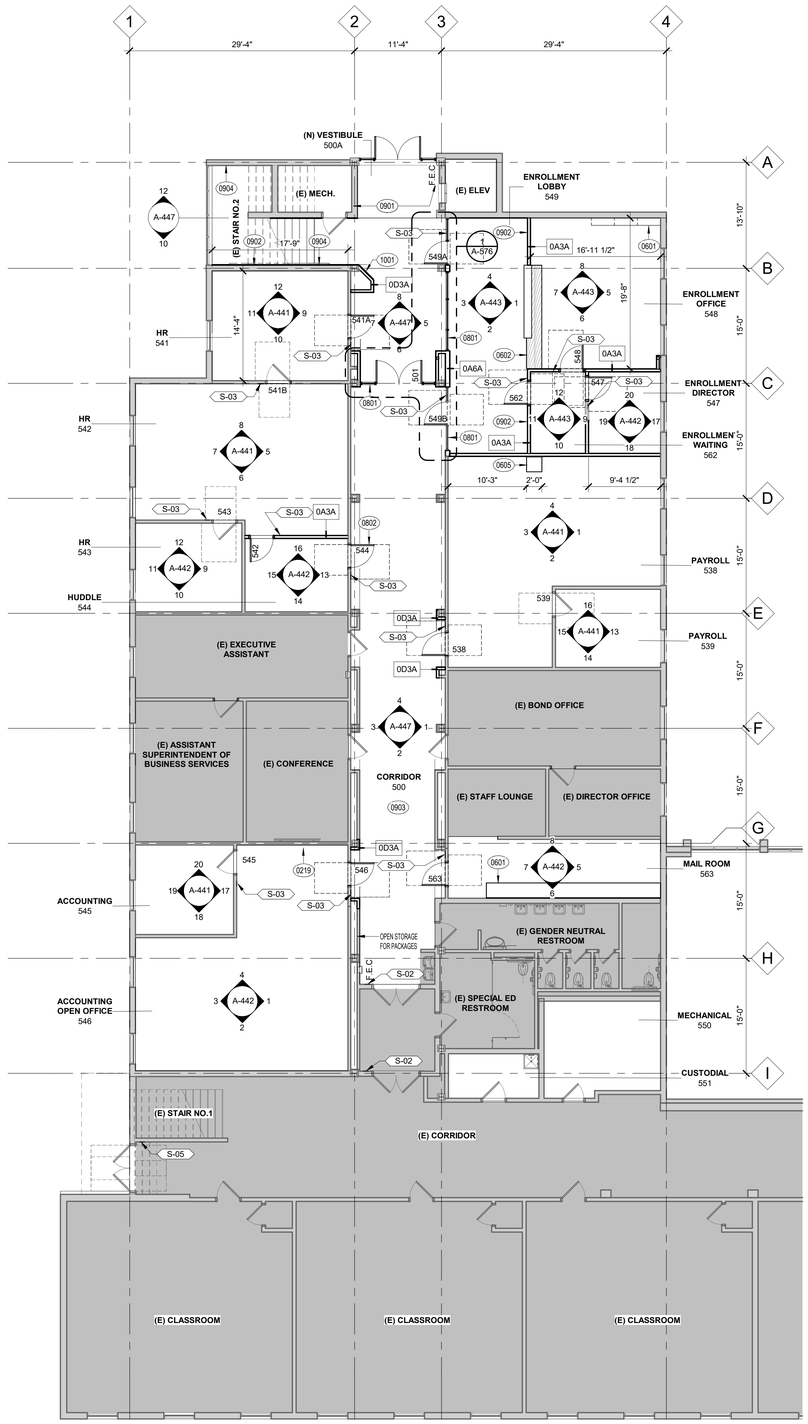
Demolition Reflected Ceiling Plan

AD-121



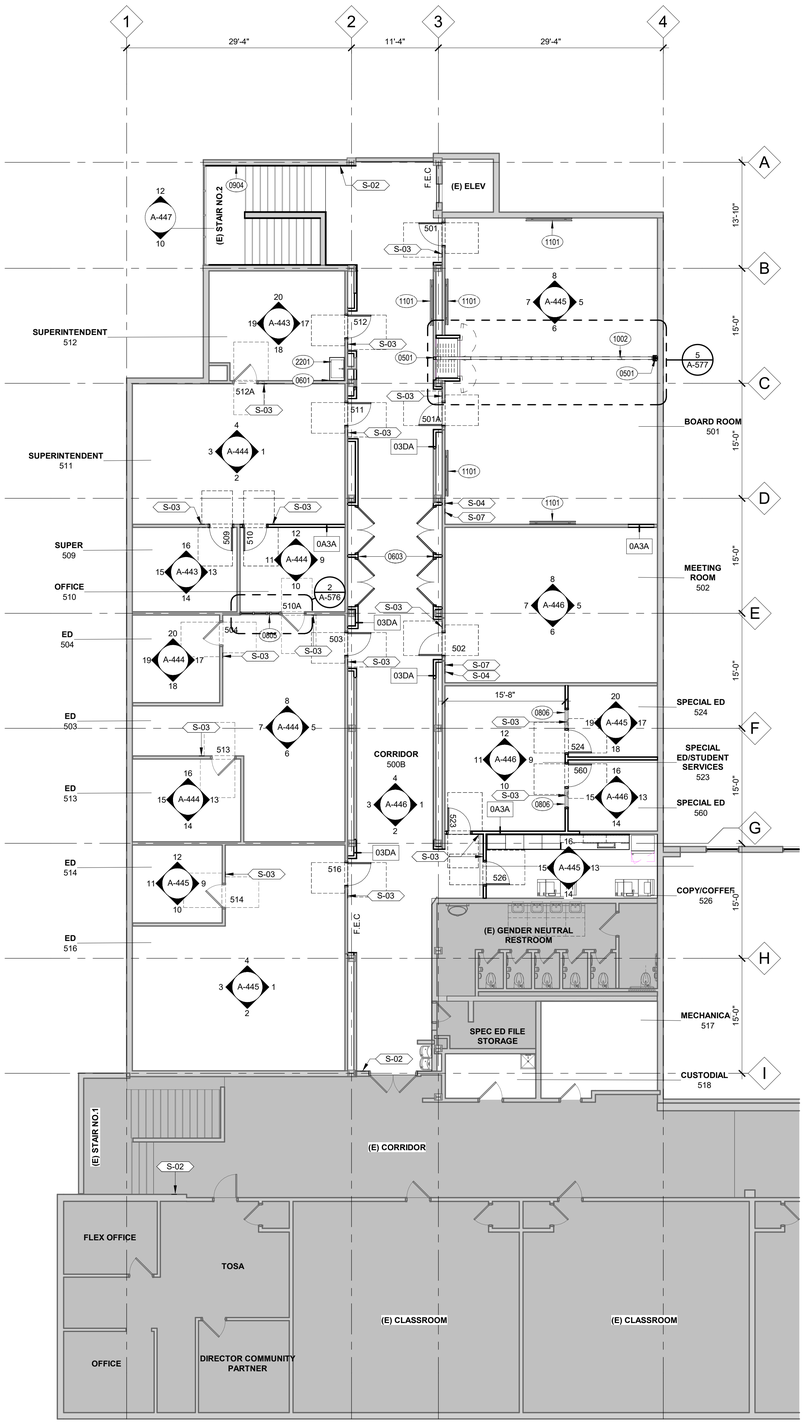
N

LEVEL 1 - FLOOR PLAN

1/8" = 1'-0"

FLOOR PLAN KEYNOTE LEGEND

0219	(E) ELECTRICAL PANEL
0501	(N) HSS COLUMN, SEE STRUCTURAL DRAWINGS
0601	(N) PLASTIC-LAMINATE CABINETS
0602	(N) SOLID SURFACE TRANSACTION COUNTER, SEE A-581
0603	(N) FULL-HEIGHT BUILT-IN CABINETS
0605	(N) PLASTIC-LAMINATE COUNTERTOP
0801	(N) INTERIOR ALUMINUM-FRAMED STOREFRONT
0802	(N) SOLID CORE DOOR W/ VISION LITE, TYP. U.O.N.
0805	(N) ALUMINUM-FRAMED WALL
0806	(N) SOLID CORE DOOR W/ SIDELITE
0901	ENTRY WALLS TO RECEIVE LEVEL 5 FINISH FOR WALLCOVERING APPLICATION
0902	WALL TO RECEIVE GRAPHICS, OFOI
0903	(N) GYPSUM BOARD LAYER AT CORRIDOR WALLS, TYP.
0904	(N) GYPSUM BOARD LAYER AT STAIR WALLS
1001	(N) WAYFINDING PODIUM
1002	(N) FOLDING PANEL PARTITION
1101	(N) WALL-MOUNTED MONITOR
2201	(N) SINK. S.P.D.



N

LEVEL 2 - FLOOR PLAN

1/8" = 1'-0"

FLOOR PLAN KEYNOTE LEGEND

FLOOR PLAN NOTES

1. CONTRACTOR TO COORDINATE AND PROVIDE BACKING FOR ALL ITEMS IN CONTRACT, AS WELL AS ITEMS NOTED WHICH ARE IDENTIFIED AS NOT IN CONTRACT (NIC) OR ITEMS WHICH ARE OWNER-PROVIDED OR VENDOR-PROVIDED. SUCH ITEMS MAY INCLUDE, BUT ARE NOT LIMITED TO, SIGNAGE, VISUAL BOARD UNITS, CONFERENCING TRAYS, RAILS OR OTHER ACCESSORIES, BULLETIN BOARDS, DISPLAY CASES, COMPUTER OR TELEVISION DISPLAYS, MONITORS, SECURITY CAMERAS, WIRELESS ACCESS POINTS, LOCKERS, AND OTHER CASEWORK OR EQUIPMENT.
2. DO NOT SCALE DRAWINGS. USE DIMENSIONS INDICATED.
3. CONTRACTOR SHALL VERIFY BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS, AND FLOOR ELEVATIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO START OF WORK.
4. ALL EXISTING CONSTRUCTION REMAINING BUT AFFECTED BY THE WORK UNDER THIS CONTRACT SHALL BE RESTORED AND REFINISHED TO MATCH THE MATERIALS, FINISH AND ALIGNMENT OF THE EXISTING ADJACENT CONSTRUCTION.
5. COORDINATE QUANTITY, SIZE AND LOCATION OF ALL FLOOR, ROOF AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK FOR A COMPLETE INSTALLATION. PROVIDE OPENINGS SHOWN OR REQUIRED FOR COMPLETION OF WORK.
6. COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH APPROPRIATE TRADES.
7. ALL DIMENSIONS ARE TO FACE OF GYPSUM BOARD, NOMINAL FINISH FACE OF CONCRETE, OR NOMINAL FACE OF MASONRY UNLESS OTHERWISE NOTED.
8. DIMENSIONS IN ROOMS WITH WALL TILE ARE TO FACE OF TILE SURFACE TYPICAL, UNLESS OTHERWISE NOTED, WITH THICKNESS OF TILE AND SETTING BED BEING IDENTIFIED NOMINALLY AS ½". IF TILE AND SETTING BED IS THICKER THAN ½", PARTITION LAYOUT TO BE ADJUSTED ACCORDINGLY.
9. WHERE FIRE RATED PARTITIONS TERMINATE AT EXTERIOR WALLS, PROVIDE FIRE SAFING (UL LISTED) INSULATION FROM END OF PARTITION TO INTERIOR FACE OF EXTERIOR SHEATHING, 5" DEPTH X FULL HEIGHT OF CONSTRUCTION (TYPICAL).
10. WHERE SOUND INSULATED PARTITIONS TERMINATE AT EXTERIOR WALL ASSEMBLIES, EXTEND GYPSUM BOARD, ISOLATION CHANNELS, AND SOUND ATTENUATING INSULATION AS SCHEDULED, TO INSIDE FACE OF EXTERIOR SHEATHING, AND SEAL JOINT AT SHEATHING WITH ACOUSTICAL SEALANT.
11. FOR ADDITIONAL INTERIOR FINISHES WHICH MAY IMPACT DIMENSIONS, REFER TO FINISH PLANS/SCHEDULES.
12. WHERE INTERIOR PARTITIONS ABUT WINDOW SYSTEMS, ALIGN CENTERLINES OF PARTITIONS WITH CENTERLINES OF VERTICAL WINDOW MULLIONS, UNLESS OTHERWISE NOTED.
13. PROVIDE CONTINUOUS FIRE RATED CONSTRUCTION BEHIND RECESSED FIXTURES IN FIRE PARTITIONS, FIRE BARRIERS AND FIRE WALLS.
14. PROVIDE FIREPROOFING CONTINUITY WITH EXISTING CONDITIONS, USING LIKE SYSTEMS AS EXISTING, WHERE REQUIRED. VERIFY CONSTRUCTION OF EXISTING ELEMENTS IDENTIFIED AS FIRE RATED AND REPORT CONDITIONS NEGATIVELY IMPACTING RATING OF ELEMENT TO ARCHITECT.
15. PATCH AND REPAIR EXISTING PARTITIONS AT REMOVED RECESSED ITEMS AND AT NEW DOOR OPENINGS. CUT BACK EXISTING GYPSUM BOARD TO NEXT STUD. JOINT BETWEEN NEW AND EXISTING GYPSUM BOARD SHALL BE SECURED TO A COMMON OR SISTERED STUD.
16. PATCH AND REPAIR EXISTING CONCRETE SLAB AND/OR DECK AT REMOVED FLOOR DRAINS, WATER CLOSETS, DUCT PENETRATIONS AND OTHER REMOVED UTILITIES. PROVIDE CONCRETE IN THICKNESS REQUIRED TO MAINTAIN FIRE RATING OF FLOOR SLAB. REFER TO STRUCTURAL DRAWINGS FOR REQUIRED REINFORCEMENT OR ANCHORING. REPAIR OR INSTALL FIREPROOFING UNDER SLAB AS REQUIRED TO MATCH EXISTING CONSTRUCTION OR AS REQUIRED BY AHJ.
17. LEVEL AND SCARIFY EXISTING SLABS TO PROVIDE ACCEPTABLE SUBSTRATE FOR SCHEDULED FLOORING. REFER TO FINISH PLANS/SCHEDULES AND SPECIFICATIONS FOR PREPARATION OF FLOORS TO RECEIVE NEW FINISHES.

FLOOR PLAN LEGEND

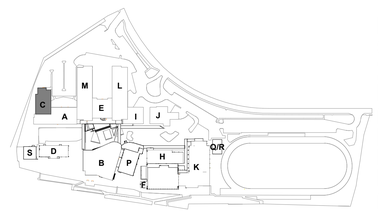
- COL — EXISTING STRUCTURAL GRID LINE
- NEW PARTITION
- EXISTING WALL OR PARTITION
- 101A — DOOR MARK
- NEW DOOR
- 5" TO DOOR OPENING - TYP (UON)
- ? — KEYNOTE, SEE KEYNOTE LEGEND
- HW9A — PARTITION TYPE (SEE PARTITION TYPES SHEET A-571)
- ROOM NAME 101 — ROOM NAME & NUMBER
- F.E.C. — FIRE EXTINGUISHER CABINET
- PLAN AREA NOT IN SCOPE

SIGNAGE KEYNOTES S-00

S-02	EXIT ROUTE SIGN, SEE 2/G-003.
S-03	ROOM IDENTIFICATION SIGN, SEE 3/G-003.
S-04	ASSISTIVE LISTENING DEVICE SIGN, SEE 4/G-003.
S-05	EXIT SIGN, SEE S/G-003.
S-06	NOT AN EXIT SIGN, SEE 6/G-003.
S-07	MAXIMUM OCCUPANCY SIGN, SEE 7/G-003.

NOTE : SEE G-002 FOR TYPICAL SIGNAGE MOUNTING HEIGHT.

KEY PLAN



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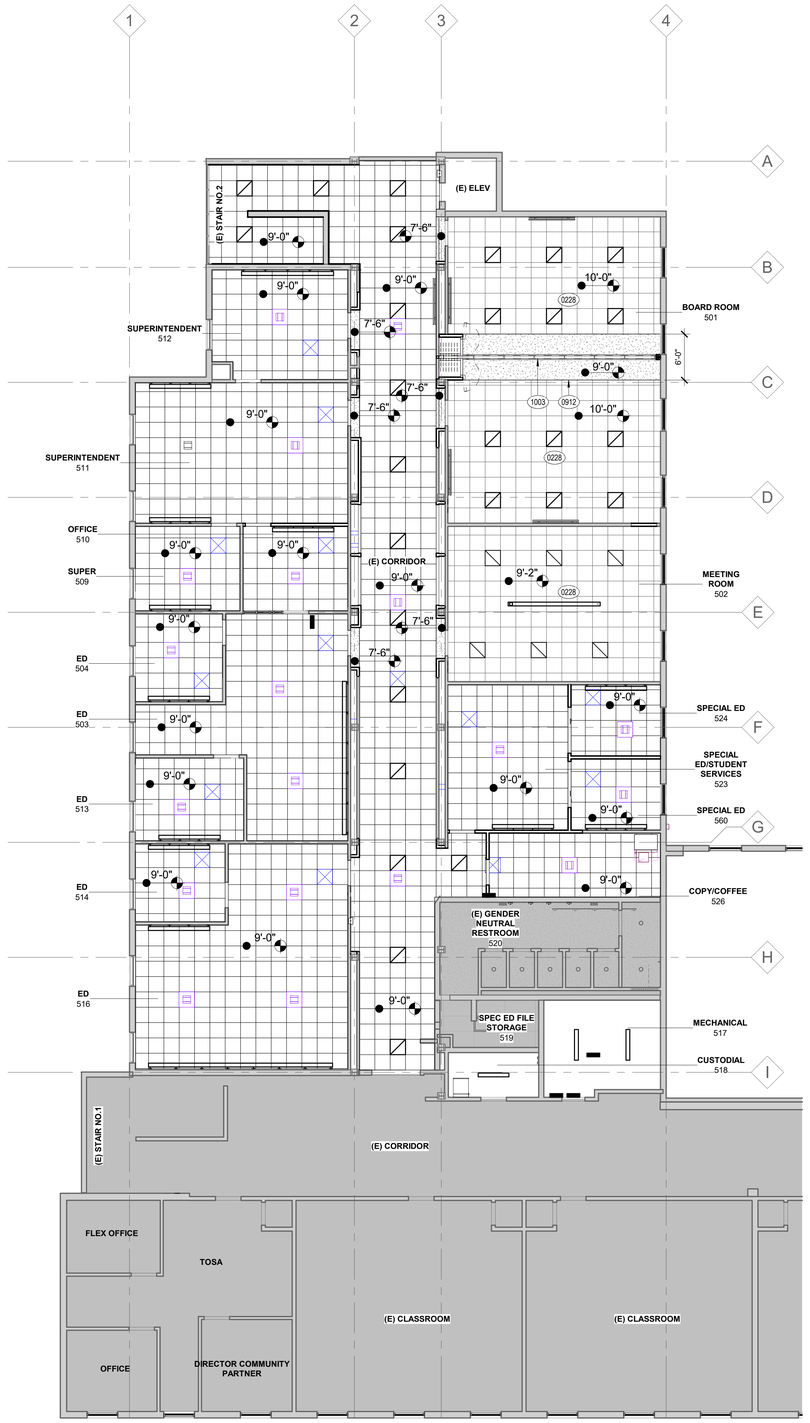
Floor Plan

A-101

N

LEVEL 1 - REFLECTED CEILING PLAN

1/8" = 1'-0"



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LEVEL 2 - REFLECTED CEILING PLAN

1/8" = 1'-0"

CEILING PLAN KEYNOTE LEGEND

0228	(E) ACT CEILING
0910	(N) ACT CEILING
0911	(N) GYPSUM BOARD CEILING
0912	(N) GYPSUM BOARD SOFFIT
1003	(N) FOLDING PARTITION TRACK

CEILING NOTES

1. COORDINATE SIZE AND LOCATION OF ACCESS PANELS WITH TRADE REQUIRING SAME AND CONFIRM WITH ARCHITECT.
2. COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTING DEVICES.
3. CONTRACTOR SHALL MAINTAIN THE FIRE RATING INTEGRITY OF EXISTING PARTITIONS INDICATED AS FIRE RESISTANCE RATED. REPORT CONDITIONS NEGATIVELY IMPACTING RATING OF ELEMENT TO ARCHITECT.
4. CEILING PANELS TO BE CENTERED IN ROOM IN BOTH DIRECTIONS UNLESS OTHERWISE INDICATED.
5. NO CEILING PANEL TO BE CUT TO LESS THAN 6" WIDTH.
6. SPRINKLER HEADS TO BE LOCATED IN THE CENTER OF CEILING PANELS (TYPICAL).
7. VERIFY LOCATIONS OF SOFFIT AND CEILING CONTROL JOINTS WITH THE ARCHITECT PRIOR TO INSTALLATION.
8. COORDINATE ESCUTCHEON PLATES AT CEILING PANEL PENETRATIONS WITH ELECTRICAL AND MECHANICAL TRADES.
9. REFER TO ELECTRICAL DRAWINGS FOR FIXTURE TYPES.

CEILING PLAN LEGEND

(ACT-1) 24" X 24" ACOUSTIC PANEL CEILING ON METAL CEILING SUSPENSION SYSTEM TO MATCH (E) CORRIDOR CEILING

(ACT-1) 24" X 24" ACOUSTIC PANEL CEILING ON METAL CEILING SUSPENSION SYSTEM.

EXISTING CEILING AND LIGHTING TO REMAIN.

HARD LID GYPSUM BOARD CEILING, TYP.

ACP-1 @ 8'-0" — CEILING TYPE & HEIGHT TAG

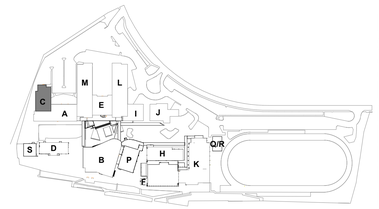
LIGHT FIXTURE (REFER ELEC. DWGS)

CEILING CASSETTE AIR HANDLER SEE MECH.

RETURN AIR DIFFUSER SEE MECH.

PLAN AREA NOT IN SCOPE

KEY PLAN



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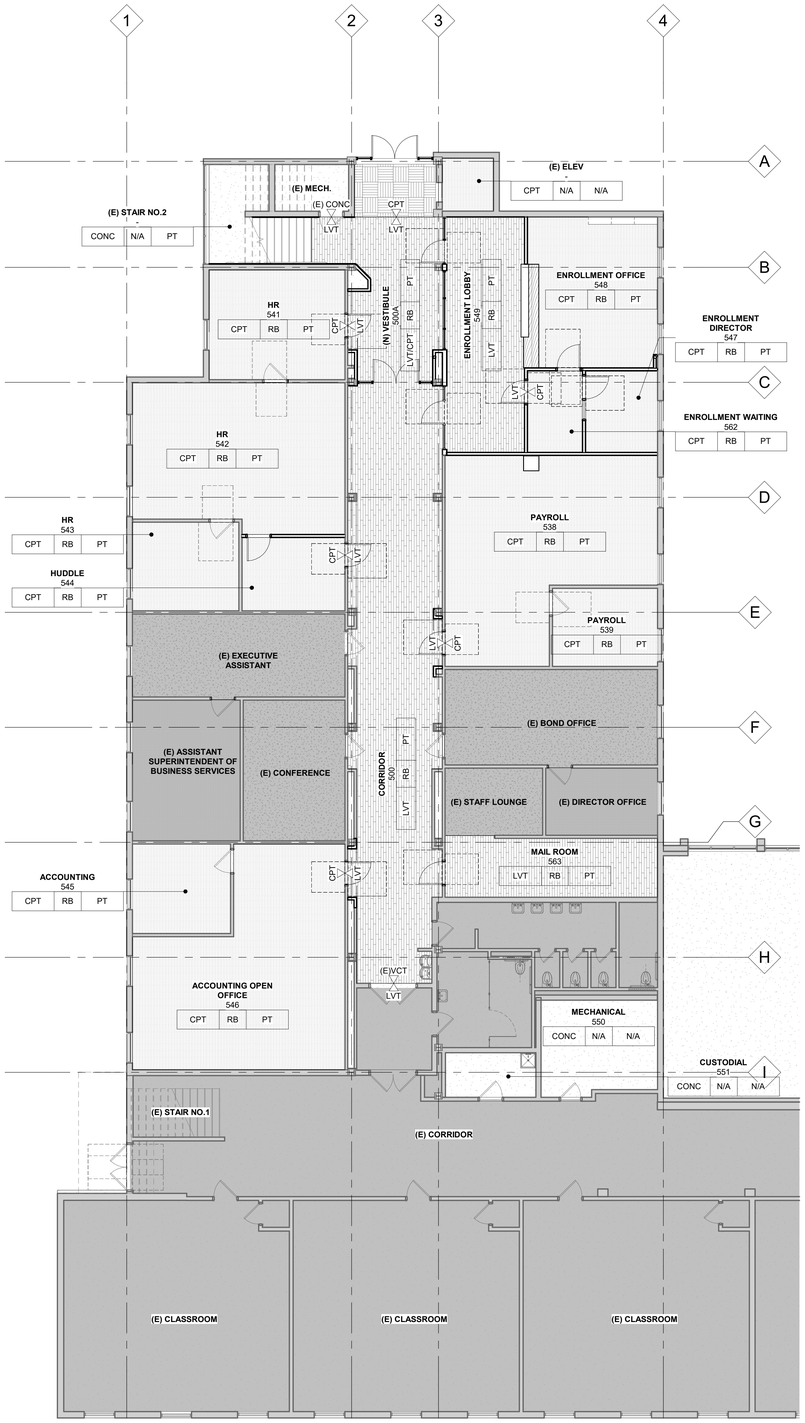
Reflected Ceiling Plan

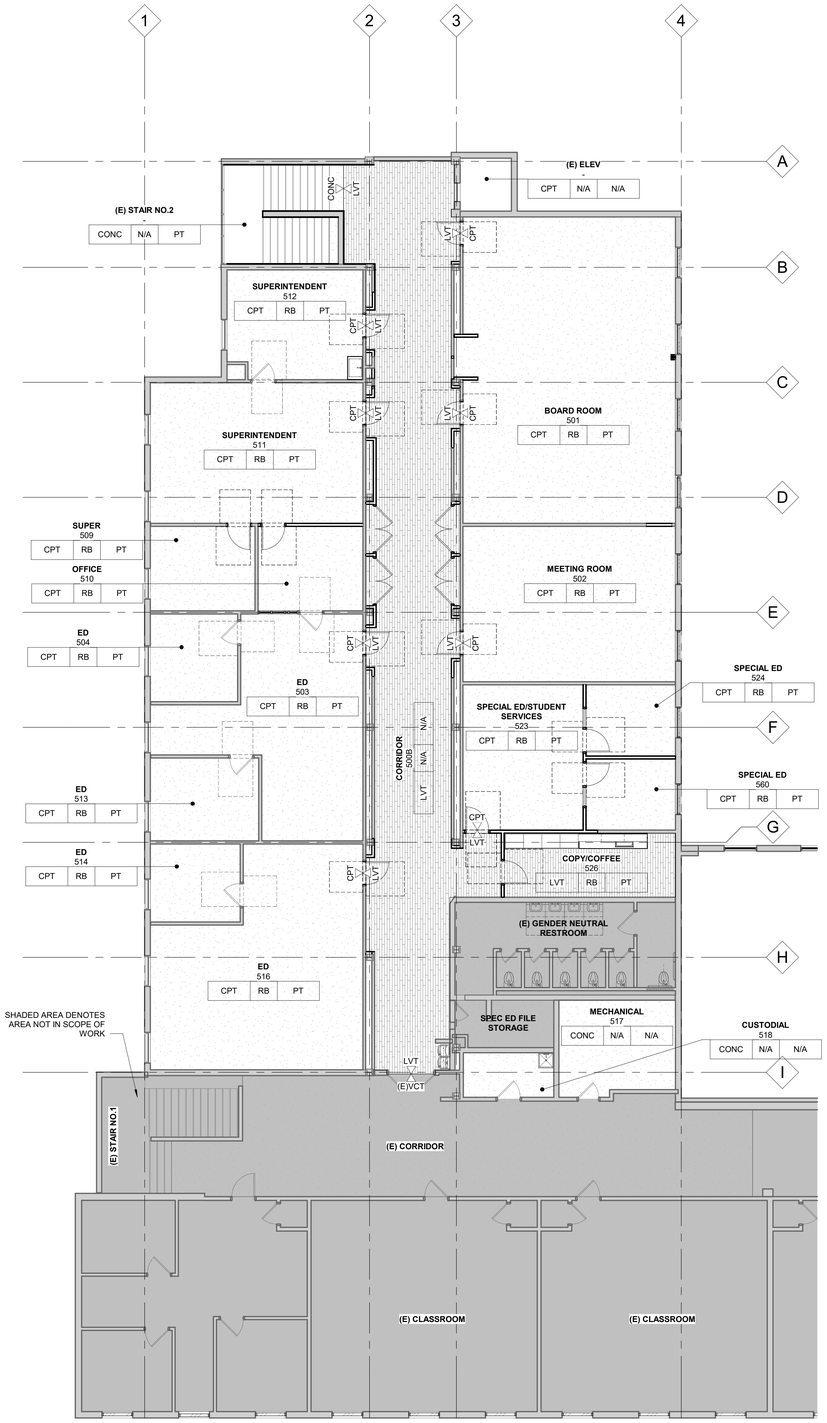
A-121



N

LEVEL 1 - FINISH PLAN

1/8" = 1'-0"



N

LEVEL 2 - FINISH PLAN

1/8" = 1'-0"

FINISH PLAN KEYNOTE LEGEND

FINISH PLAN NOTES

1. TRANSITION AND REDUCER STRIPS TO MATCH COLOR OF FLOORING, UNLESS OTHERWISE NOTED.
2. TRANSITION FLOOR FINISHES AT CENTER OF DOOR, UNLESS OTHERWISE NOTED.
3. FLOORS TO BE LEVELED AS REQUIRED TO ACCEPT FINISHES PER FINISH PLANS/SCHEDULE.
4. INSTALL ALL FLOORING IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. VERIFY LOCATION OF SEAMING AND TRANSITIONS WITH THE ARCHITECT.
5. RESILIENT TILE FLOORING TO BE SEALED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
6. RESILIENT BASE TO BE STRAIGHT AT CARPET FLOORING, COVED AT OTHER LOCATIONS.
7. RECESSED WIREWAYS, ACCESS PANELS, GRILLES, FIRE EXTINGUISHER CABINETS, ELECTRICAL PANELS, AND OTHER SUCH ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH ADJACENT WALL OR CEILING SURFACE, UNLESS OTHERWISE NOTED.
8. FINISH MATERIALS TO COMPLY WITH CODE REQUIRED FLAME SPREAD AND SMOKE DEVELOPED RATINGS.
   - MATERIALS USED IN CORRIDORS SHALL CONFORM TO CLASS 1 REQUIREMENT, FLAME SPREAD RATING 0 TO 25 AND MAXIMUM SMOKE DEVELOPED 200 RATING.

PLAN AREA NOT IN SCOPE

Room name
101
FLOR | BASE | WALL
WALL FINISH
WALL BASE FINISH
FLOOR FINISH

CON
LVT
FLOOR TRANSITIONS, SEE A-585 FOR DETAILS

FLOOR FINISH

CONC
(E) VCT
LVT-1
CPT-1

ABBREVIATIONS

FLOOR

CONC - CONCRETE FLOOR

CPT - CARPET

LVT - LUXURY VINYL TILE

VCT - VINYL COMPOSITION TILE

BASE

RB - RUBBER BASE

WALL

GYP - GYPSUM BOARD

PT - PAINT

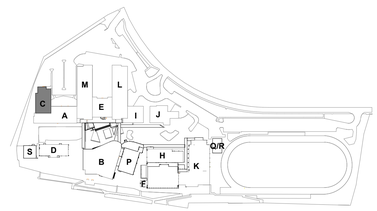
MISCELANEOUS

CG - CORNER GUARD

WB - WHITEBOARD

TB - TACKBOARD

KEY PLAN



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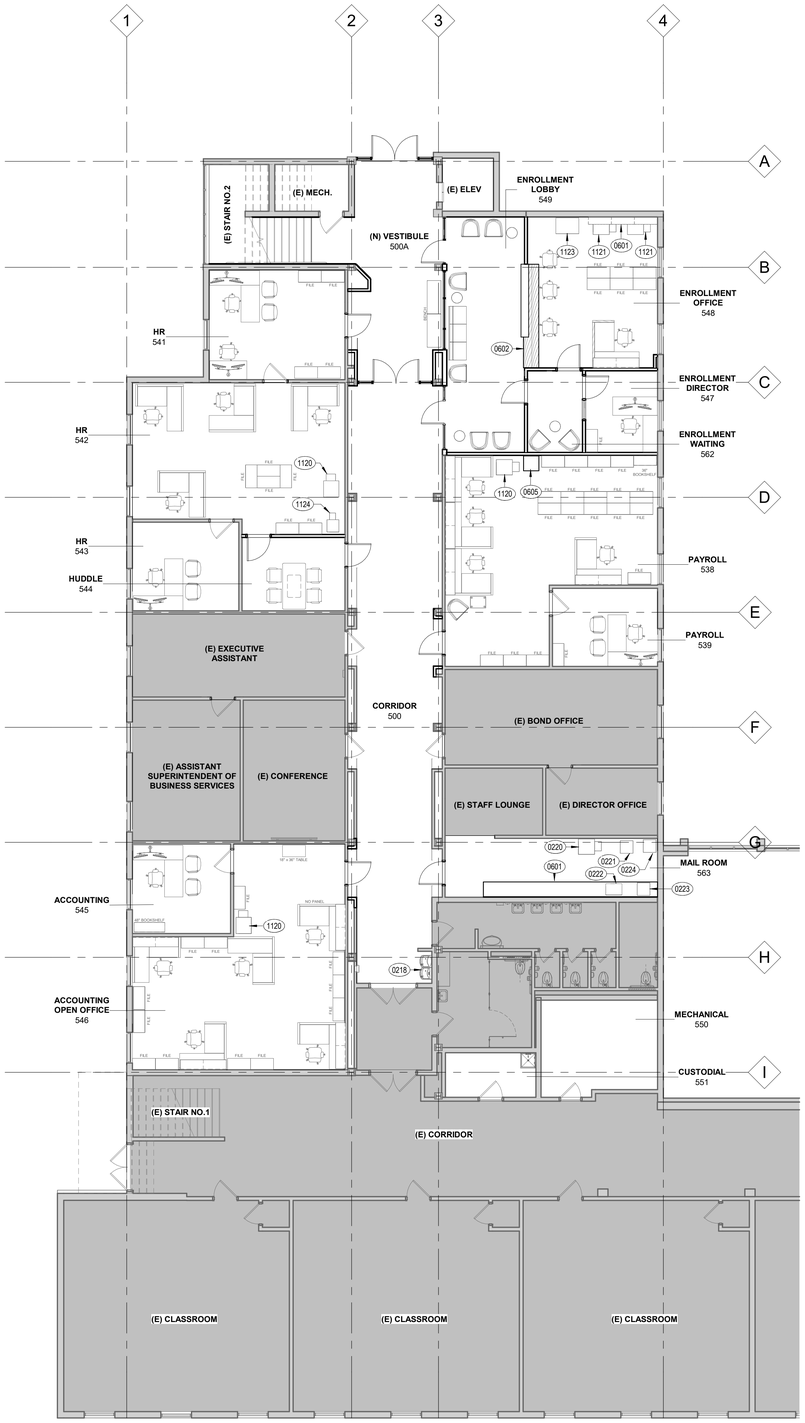
Finish Plan

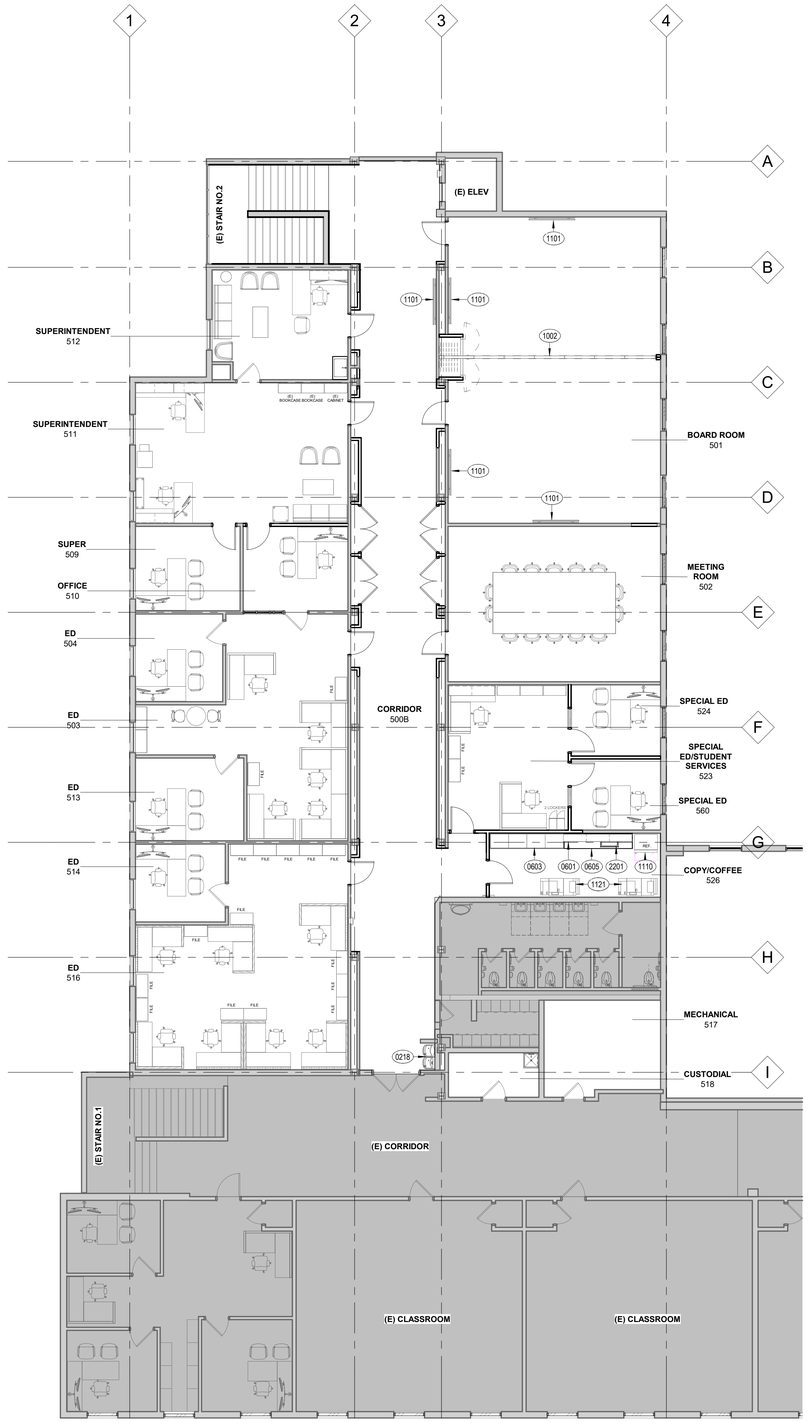
A-141



N

LEVEL 1 - FURNITURE PLAN

1/8" = 1'-0"



N

LEVEL 2 - FURNITURE PLAN

1/8" = 1'-0"

FURNITURE PLAN KEYNOTE LEGEND

Key Value	Keynote Text
0218	(E) HI-LO DRINKING FOUNTAIN, DSA A#01-121295
0220	(E) COPIER/PRINTER
0221	(E) SHREDDER
0222	(E) SORTER
0223	(E) POSTAGE
0224	(E) 2X2 SAFE
0601	(N) PLASTIC-LAMINATE CABINETS
0602	(N) SOLID SURFACE TRANSACTION COUNTER, SEE A-581
0603	(N) FULL-HEIGHT BUILT-IN CABINETS
0605	(N) PLASTIC-LAMINATE COUNTERTOP
1002	(N) FOLDING PANEL PARTITION
1101	(N) WALL-MOUNTED MONITOR
1110	(N) REFRIGERATOR
1120	(N) PLOTTER, OFOI
1121	(N) COPIER, OFOI
1123	(N) SAFE, OFOI
1124	(N) PRINTER, OFOI
2201	(N) SINK. S.P.D.

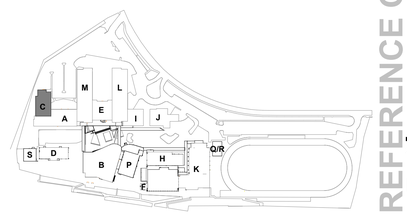
FURNITURE PLAN NOTES

1. CONTRACTOR TO COORDINATE AND PROVIDE BACKING FOR ALL ITEMS IN CONTRACT, AS WELL AS ITEMS NOTED WHICH ARE IDENTIFIED AS NOT IN CONTRACT (NIC) OR ITEMS WHICH ARE OWNER-PROVIDED OR VENDOR-PROVIDED. SUCH ITEMS MAY INCLUDE, BUT ARE NOT LIMITED TO, SIGNAGE, VISUAL BOARD UNITS, CONFERENCING TRAYS, RAILS OR OTHER ACCESSORIES, BULLETIN BOARDS, DISPLAY CASES, COMPUTER OR TELEVISION DISPLAYS, MONITORS, SECURITY CAMERAS, WIRELESS ACCESS POINTS, LOCKERS, AND OTHER CASEWORK OR EQUIPMENT.
2. FURNITURE SYSTEMS, FURNITURE, FILE CABINETS, AND EQUIPMENT TO BE OWNER-PROVIDED / OWNER-INSTALLED.

FURNITURE PLAN LEGEND

- COL — EXISTING STRUCTURAL GRID LINE
- ? — KEYNOTE, SEE KEYNOTE LEGEND
- ROOM NAME 101 — ROOM NAME & NUMBER
- PLAN AREA NOT IN SCOPE

KEY PLAN



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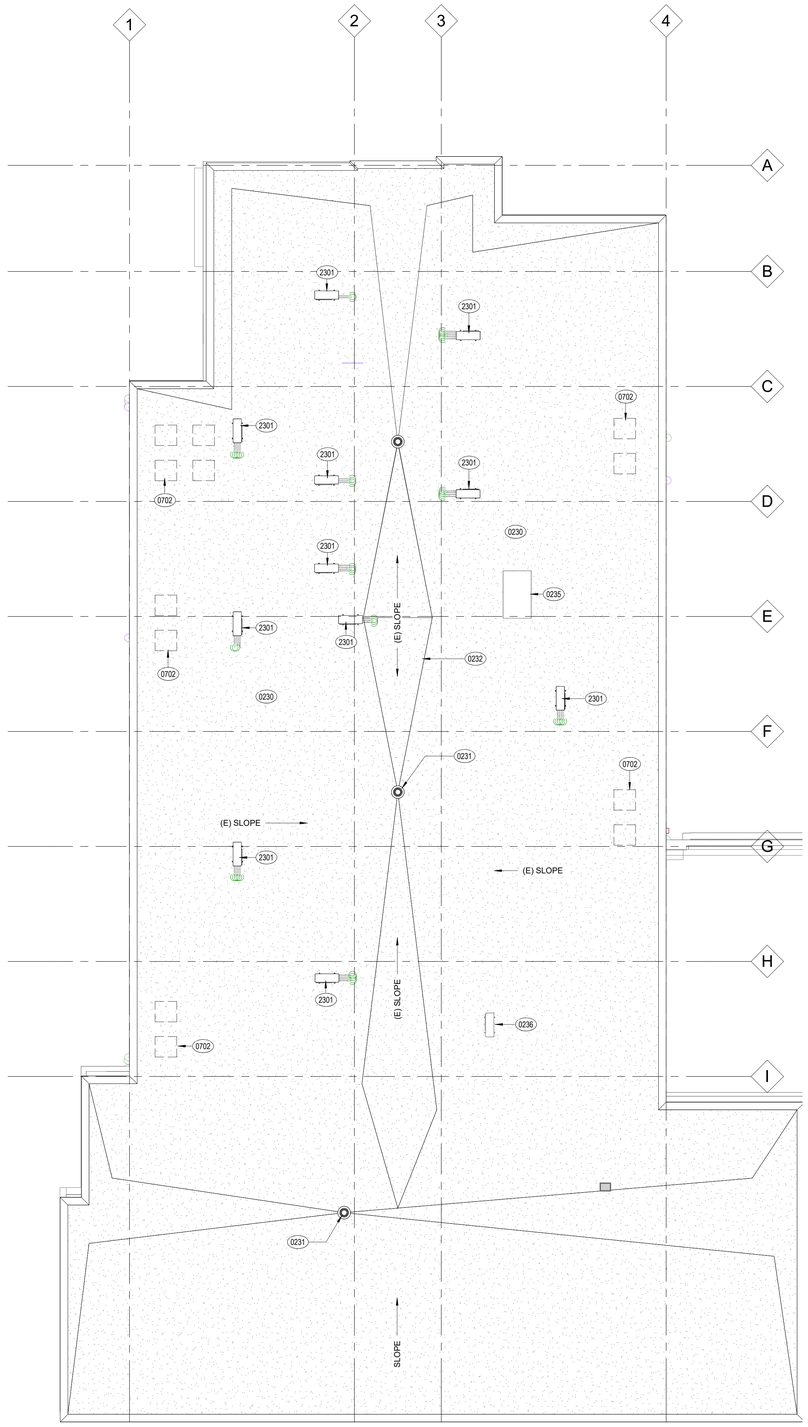
Furniture Plan

A-161



N

ROOF PLAN

1/8" = 1'-0"

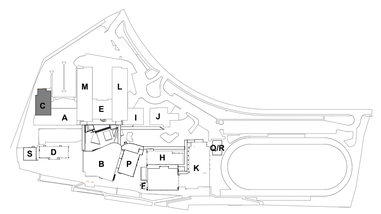
ROOF PLAN KEYNOTE LEGEND

0230	(E) BUILT-UP ROOFING OVER TAPERED INSULATION, V.I.F., PROTECT IN PLACE
0231	(E) ROOF DRAIN
0232	(E) CRICKET
0235	(E) RTU
0236	(E) HEAT PUMP
0702	PATCH (E) BUILT-UP ROOFING AS NEEDED, TYP., SEE MECHANICAL DRAWINGS
2301	(N) HEAT PUMP, SEE MECHANICAL DRAWINGS

ROOF PLAN NOTES

1. CONTRACTOR TO FIELD VERIFY EXISTING HVAC EQUIPMENT AND NOTIFY THE ARCHITECT OF ANY DISCPREPENSIES.
2.

KEY PLAN



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SRCS District Office Modernization

310 Nova Albion Way, San Rafael, CA 94903

△	Date	Issued For
1	12/20/23	50% Construction Documents
4	09/06/2024	100% Design Development

HED

417 Montgomery Street
Suite 400
San Francisco, California
94104 USA

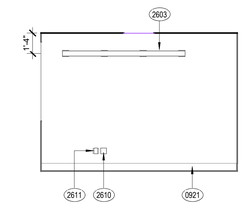
(415) 981-2345

WWW.HED.DESIGN

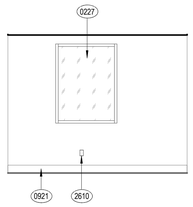
2024-SR001-001

Roof Plan

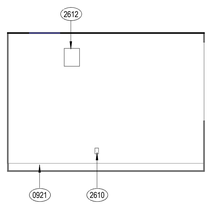
A-191



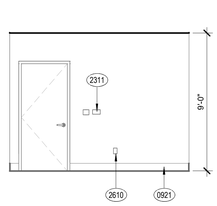
20 ACCOUNTING 545 - NORTH
1/4" = 1'-0"



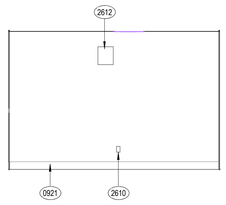
19 ACCOUNTING 545 - WEST
1/4" = 1'-0"



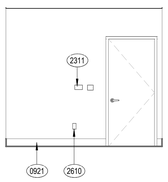
18 ACCOUNTING 545 - SOUTH
1/4" = 1'-0"



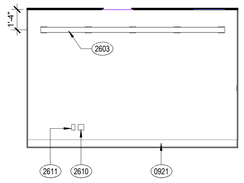
17 ACCOUNTING 545 - EAST
1/4" = 1'-0"



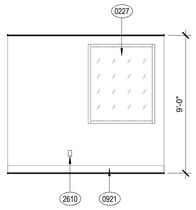
16 PAYROLL 539 - NORTH
1/4" = 1'-0"



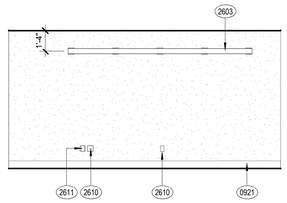
15 PAYROLL 539 - WEST
1/4" = 1'-0"



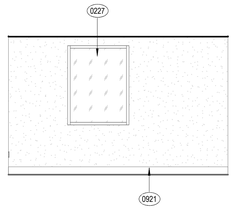
14 PAYROLL 539 - SOUTH
1/4" = 1'-0"



13 PAYROLL 539 - EAST
1/4" = 1'-0"



12 HR 541 - NORTH
1/4" = 1'-0"



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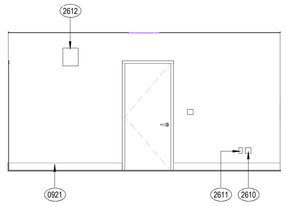
1/4" = 1'-0"



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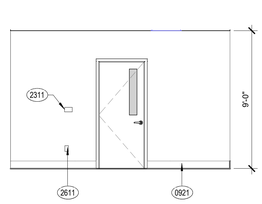
1/4" = 1'-0"



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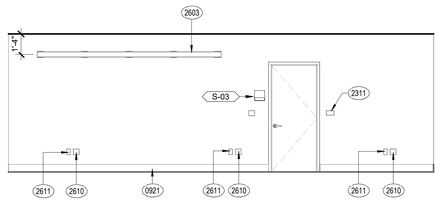
1/4" = 1'-0"



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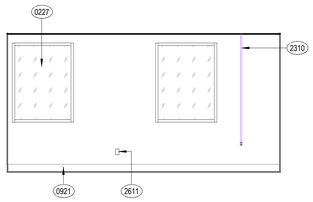
1/4" = 1'-0"



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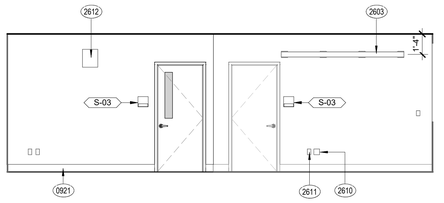
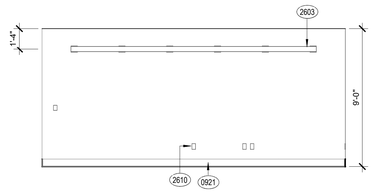
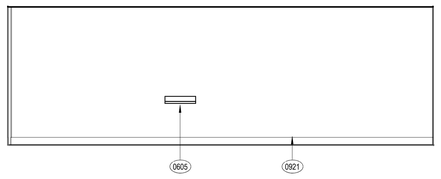
1/4" = 1'-0"



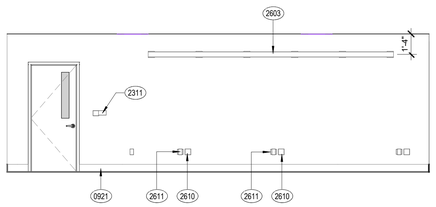
6 HR 542 - SOUTH
1/4" = 1'-0"



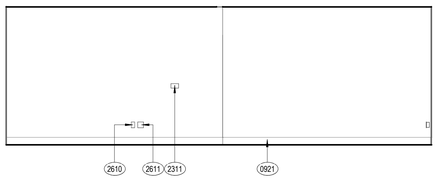
5 HR 542 - EAST
1/4" = 1'-0"



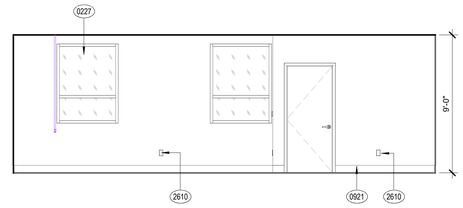
4 PAYROLL 538 - NORTH
1/4" = 1'-0"



3 PAYROLL 538 - WEST
1/4" = 1'-0"



2 PAYROLL 538 - SOUTH
1/4" = 1'-0"



1 PAYROLL 538 - EAST
1/4" = 1'-0"

ELEVATIONS KEYNOTE LEGEND

Key Value	Keynote Text
0227	(E) WINDOW, TYP.
0605	(N) PLASTIC-LAMINATE COUNTERTOP
0921	(N) RUBBER WALL BASE
2310	(N) SURFACE MOUNTED CONDENSATE PIPING, SEE MECHANICAL DRAWINGS
2311	(N) THERMOSTAT, SEE MECHANICAL DRAWINGS
2603	(N) SURFACE MOUNTED LIGHT, TYP., SEE ELECTRICAL DRAWINGS
2610	(N) RECEPTACLE, SEE ELECTRICAL DRAWINGS
2611	(N) DATA OUTLET, SEE ELECTRICAL DRAWINGS
2612	(N) SIGNAL SYSTEM CLOCK, SEE ELECTRICAL DRAWINGS

NOTE: REFERENCE DOOR MARK TO DOOR SCHEDULE ON A-601

SIGNAGE KEYNOTES (S-00)

S-02	EXIT ROUTE SIGN, SEE 2/G-003.
S-03	ROOM IDENTIFICATION SIGN, SEE 3/G-003.
S-04	ASSISTIVE LISTENING DEVICE SIGN, SEE 4/G-003.
S-05	EXIT SIGN, SEE 5/G-003.
S-06	NOT AN EXIT SIGN, SEE 6/G-003.
S-07	MAXIMUM OCCUPANCY SIGN, SEE 7/G-003.

NOTE : SEE G-002 FOR TYPICAL SIGNAGE MOUNTING HEIGHT.

INTERIOR ELEVATIONS LEGEND

San Rafael City Schools
SAN RAFAEL CITY SCHOOLS
310 Nova Albion Way, San Rafael, CA 94903

SRCS District Office Modernization

310 Nova Albion Way, San Rafael, CA 94903

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HED
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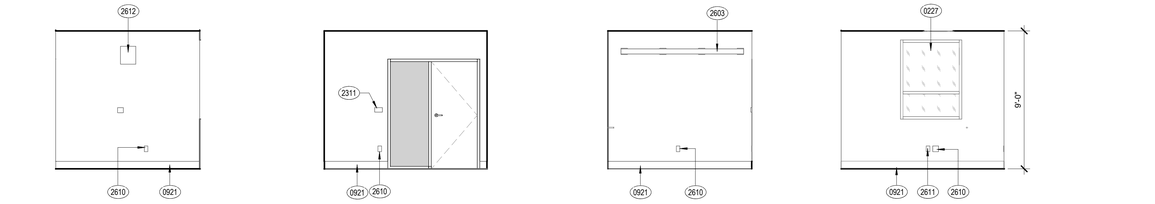
WWW.HED.DESIGN

2024-SR001-001

Interior Elevations

A-441

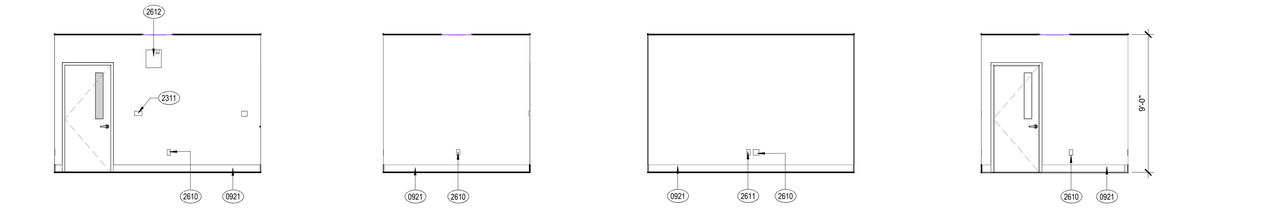


20 ENROLLMENT DIRECTOR 547 - NORTH 1/4" = 1'-0"

19 ENROLLMENT DIRECTOR 547 - WEST 1/4" = 1'-0"

18 ENROLLMENT DIRECTOR 547 - SOUTH 1/4" = 1'-0"

17 ENROLLMENT DIRECTOR 547 - EAST 1/4" = 1'-0"

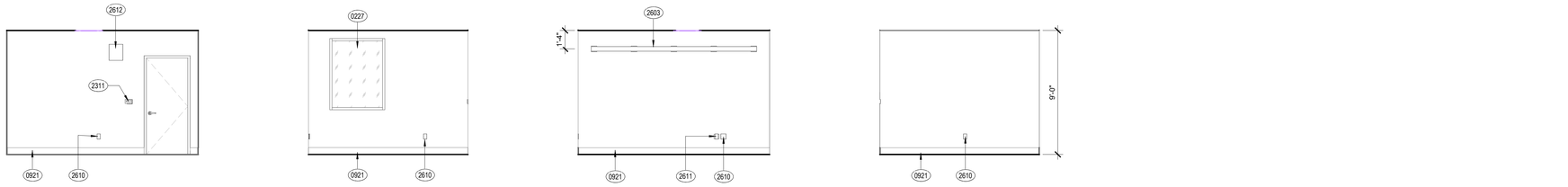


16 HUDDLE 544 - NORTH 1/4" = 1'-0"

15 HUDDLE 544 - WEST 1/4" = 1'-0"

14 HUDDLE 544 - SOUTH 1/4" = 1'-0"

13 HUDDLE 544 - EAST 1/4" = 1'-0"

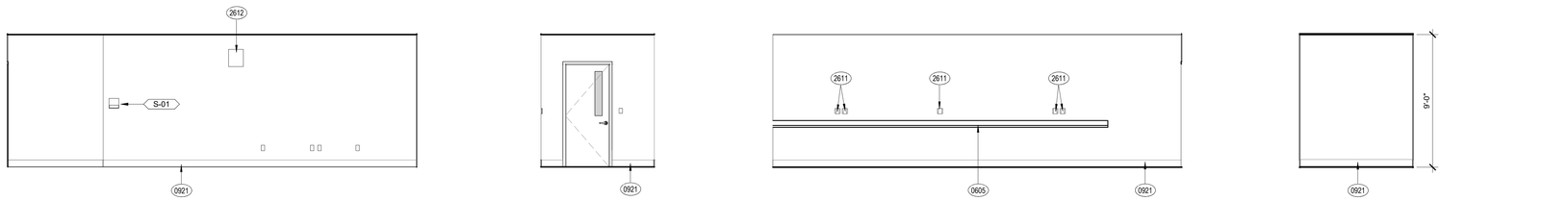


12 HR 543 - NORTH 1/4" = 1'-0"

11 HR 543 - WEST 1/4" = 1'-0"

10 HR 543 - SOUTH 1/4" = 1'-0"

9 HR 543 - EAST 1/4" = 1'-0"

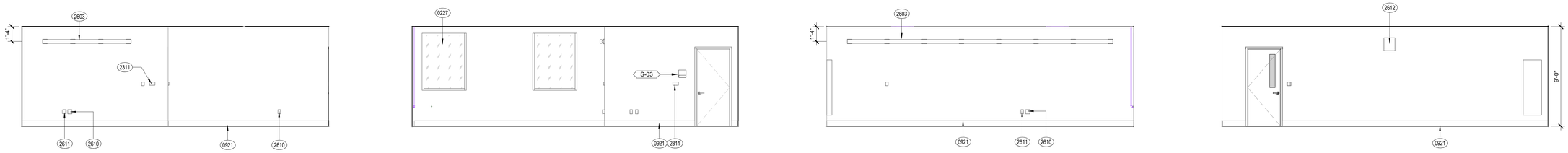


8 MAILROOM 563 - NORTH 1/4" = 1'-0"

7 MAILROOM 563 - WEST 1/4" = 1'-0"

6 MAILROOM 563 - SOUTH 1/4" = 1'-0"

5 MAILROOM 563 - EAST 1/4" = 1'-0"



4 ACCOUNTING OPEN OFFICE 546 - NORTH 1/4" = 1'-0"

3 ACCOUNTING OPEN OFFICE 546 - WEST 1/4" = 1'-0"

2 ACCOUNTING OPEN OFFICE 546 - SOUTH 1/4" = 1'-0"

1 ACCOUNTING OPEN OFFICE 546 - EAST 1/4" = 1'-0"

ELEVATIONS KEYNOTE LEGEND

Key Value	Keynote Text
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SIGNAGE KEYNOTES S-00

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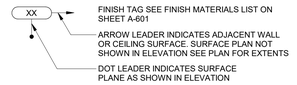
S-07 MAXIMUM OCCUPANCY SIGN, SEE 7/G-003.

NOTE : SEE G-002 FOR TYPICAL SIGNAGE MOUNTING HEIGHT.

INTERIOR ELEVATIONS LEGEND



San Rafael City Schools

SAN RAFAEL CITY SCHOOLS

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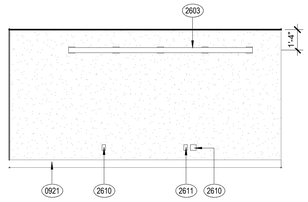
WWW.HED.DESIGN

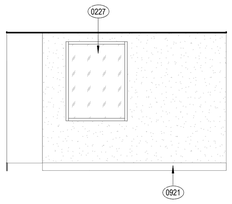
2024-SR001-001

Interior Elevations

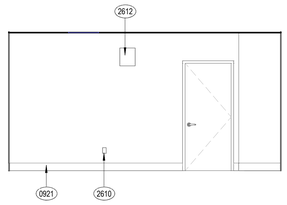
A-442



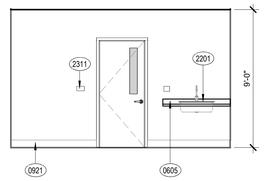
20 SUPERINTENDENT 512 - NORTH
1/4" = 1'-0"



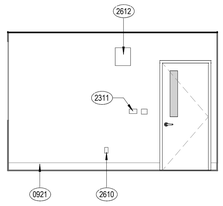
19 SUPERINTENDENT 512 - WEST
1/4" = 1'-0"



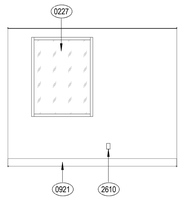
18 SUPERINTENDENT 512 - SOUTH
1/4" = 1'-0"



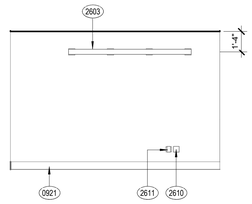
17 SUPERINTENDENT 512 - EAST
1/4" = 1'-0"



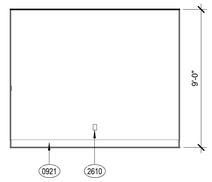
16 SUPER 509 - NORTH
1/4" = 1'-0"



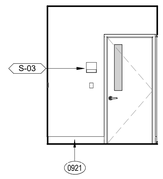
15 SUPER 509 - WEST
1/4" = 1'-0"



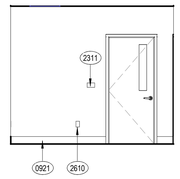
14 SUPER 509 - SOUTH
1/4" = 1'-0"



13 SUPER 509 - EAST
1/4" = 1'-0"



12 EN. WAITING 562 - NORTH
1/4" = 1'-0"



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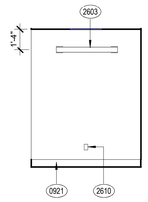

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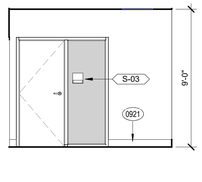
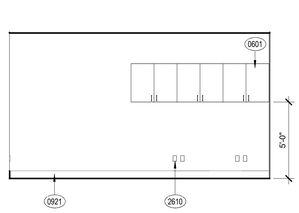
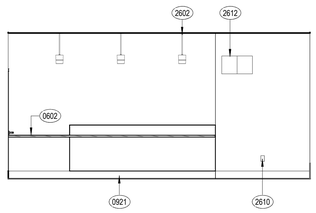
1/4" = 1'-0"



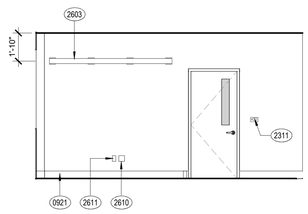
9 EN. WAITING 562 - EAST
1/4" = 1'-0"



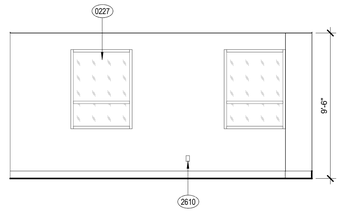
8 ENROLMENT OFFICE 548 - NORTH
1/4" = 1'-0"



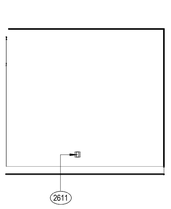
7 ENROLLMENT OFFICE 548 - WEST
1/4" = 1'-0"



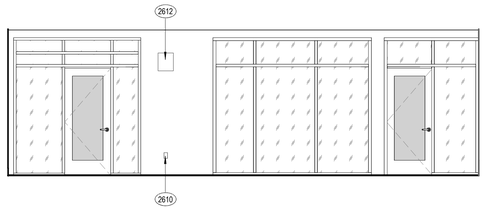
6 ENROLLMENT OFFICE 548 - SOUTH
1/4" = 1'-0"



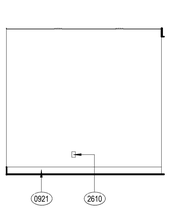
5 ENROLLMENT OFFICE 548 - EAST
1/4" = 1'-0"



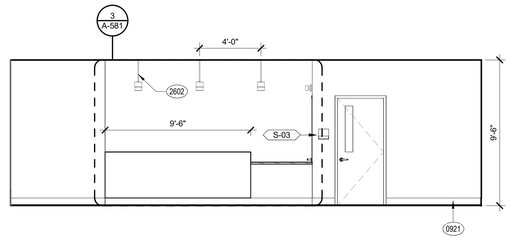
4 EN. LOBBY 549 - NORTH
1/4" = 1'-0"



3 ENROLLMENT LOBBY 549 - WEST
1/4" = 1'-0"



2 EN. LOBBY 549 - SOUTH
1/4" = 1'-0"



1 ENROLLMENT LOBBY 549 - EAST
1/4" = 1'-0"

ELEVATIONS KEYNOTE LEGEND

Key Value	Keynote Text
0227	(E) WINDOW, TYP.
0601	(N) PLASTIC-LAMINATE CABINETS
0602	(N) SOLID SURFACE TRANSACTION COUNTER, SEE A-581
0605	(N) PLASTIC-LAMINATE COUNTERTOP
0921	(N) RUBBER WALL BASE
2201	(N) SINK, S.P.D.
2311	(N) THERMOSTAT, SEE MECHANICAL DRAWINGS
2602	(N) PENDANT LIGHT, TYP., SEE ELECTRICAL DRAWINGS
2603	(N) SURFACE MOUNTED LIGHT, TYP., SEE ELECTRICAL DRAWINGS
2610	(N) RECEPTACLE, SEE ELECTRICAL DRAWINGS
2611	(N) DATA OUTLET, SEE ELECTRICAL DRAWINGS
2612	(N) SIGNAL SYSTEM CLOCK, SEE ELECTRICAL DRAWINGS

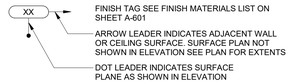
NOTE: REFERENCE DOOR MARK TO DOOR SCHEDULE ON A-601

SIGNAGE KEYNOTES S-00

S-02 EXIT ROUTE SIGN, SEE 2/G-003.
S-03 ROOM IDENTIFICATION SIGN, SEE 3/G-003.
S-04 ASSISTIVE LISTENING DEVICE SIGN, SEE 4/G-003.
S-05 EXIT SIGN, SEE 5/G-003.
S-06 NOT AN EXIT SIGN, SEE 6/G-003.
S-07 MAXIMUM OCCUPANCY SIGN, SEE 7/G-003.

NOTE : SEE G-002 FOR TYPICAL SIGNAGE MOUNTING HEIGHT.

INTERIOR ELEVATIONS LEGEND



San Rafael City Schools
SAN RAFAEL CITY SCHOOLS
310 Nova Albion Way, San Rafael, CA 94903

SRCS District Office Modernization

310 Nova Albion Way, San Rafael, CA 94903

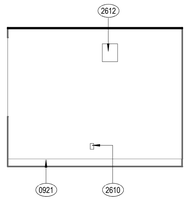
Date	Issued For

HED
417 Montgomery Street
Suite 400
San Francisco, California
94104 USA
(415) 981-2345
WWW.HED.DESIGN

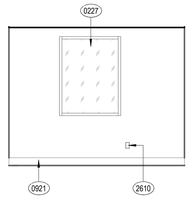
2024-SR001-001

Interior Elevations

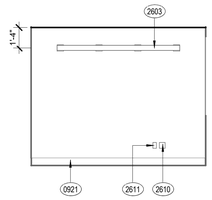
A-443



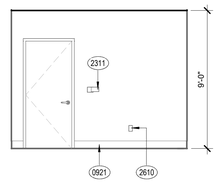
20 ED 504 - NORTH
1/4" = 1'-0"



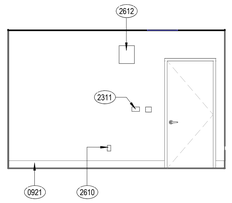
19 ED 504 - WEST
1/4" = 1'-0"



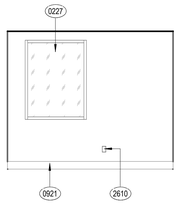
18 ED 504 - SOUTH
1/4" = 1'-0"



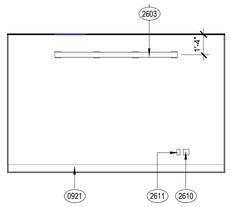
17 ED 504 - EAST
1/4" = 1'-0"



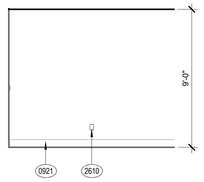
16 ED 513 - NORTH
1/4" = 1'-0"



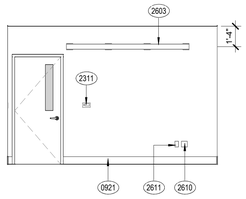
15 ED 513 - WEST
1/4" = 1'-0"



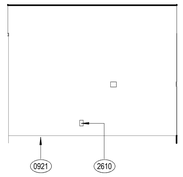
14 ED 513 - SOUTH
1/4" = 1'-0"



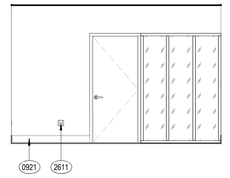
13 ED 513 - EAST
1/4" = 1'-0"



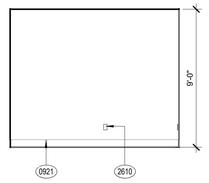
12 OFFICE 510 - NORTH
1/4" = 1'-0"



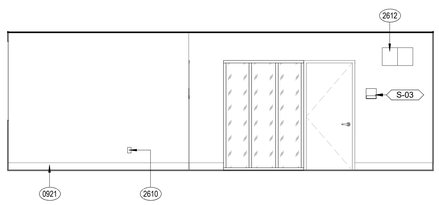
11 OFFICE 510 - WEST
1/4" = 1'-0"



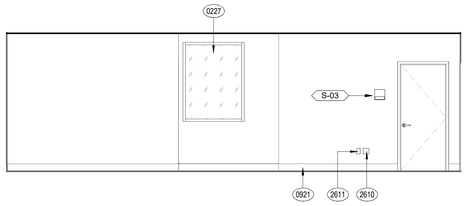
10 OFFICE 510 - SOUTH
1/4" = 1'-0"



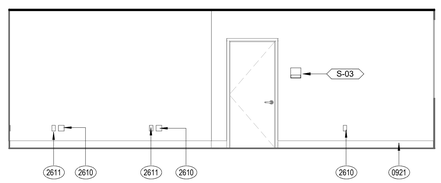
9 OFFICE 510 - EAST
1/4" = 1'-0"



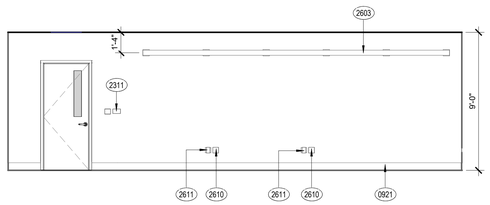
8 ED 503 NORTH
1/4" = 1'-0"



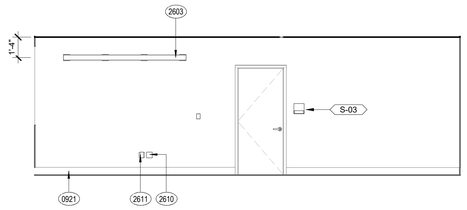
7 ED 503 - WEST
1/4" = 1'-0"



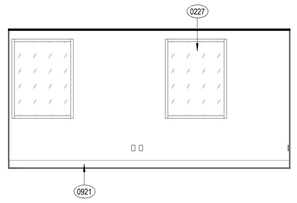
6 ED 503 - SOUTH
1/4" = 1'-0"



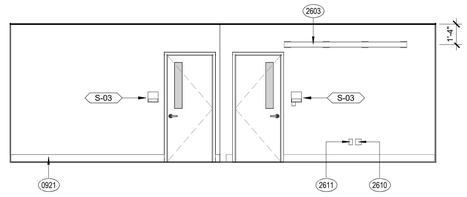
5 ED 503 - EAST
1/4" = 1'-0"



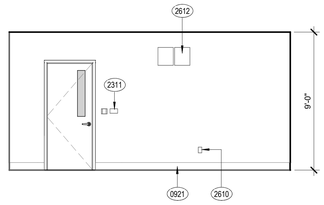
4 SUPERINTENDENT 511 - NORTH
1/4" = 1'-0"



3 SUPERINTENDENT 511 - WEST
1/4" = 1'-0"



2 SUPERINTENDENT 511 - SOUTH
1/4" = 1'-0"



1 SUPERINTENDENT 511 - EAST
1/4" = 1'-0"

ELEVATIONS KEYNOTE LEGEND

Key Value	Keynote Text
0227	(E) WINDOW, TYP.
0921	(N) RUBBER WALL BASE
2311	(N) THERMOSTAT, SEE MECHANICAL DRAWINGS
2603	(N) SURFACE MOUNTED LIGHT, TYP., SEE ELECTRICAL DRAWINGS
2610	(N) RECEPTACLE, SEE ELECTRICAL DRAWINGS
2611	(N) DATA OUTLET, SEE ELECTRICAL DRAWINGS
2612	(N) SIGNAL SYSTEM CLOCK, SEE ELECTRICAL DRAWINGS

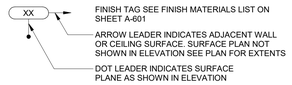
NOTE: REFERENCE DOOR MARK TO DOOR SCHEDULE ON A-601

SIGNAGE KEYNOTES (S-00)

S-02 EXIT ROUTE SIGN, SEE 2/G-003.
S-03 ROOM IDENTIFICATION SIGN, SEE 3/G-003.
S-04 ASSISTIVE LISTENING DEVICE SIGN, SEE 4/G-003.
S-05 EXIT SIGN, SEE 5/G-003.
S-06 NOT AN EXIT SIGN, SEE 6/G-003.
S-07 MAXIMUM OCCUPANCY SIGN, SEE 7/G-003.

NOTE : SEE G-002 FOR TYPICAL SIGNAGE MOUNTING HEIGHT.

INTERIOR ELEVATIONS LEGEND



San Rafael City Schools

SAN RAFAEL CITY SCHOOLS

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SRCS District Office Modernization

310 Nova Albion Way, San Rafael, CA 94903

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FOR REFERENCE ONLY NOT FOR CONSTRUCTION

HED
417 Montgomery Street
Suite 400
San Francisco, California
94104 USA

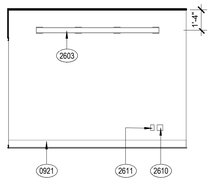
(415) 981-2345

WWW.HED.DESIGN

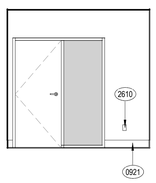
2024-SR001-001

Interior Elevations

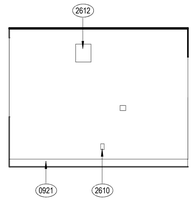
A-444



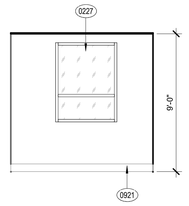
20 SPECIAL ED 524 - NORTH
1/4" = 1'-0"



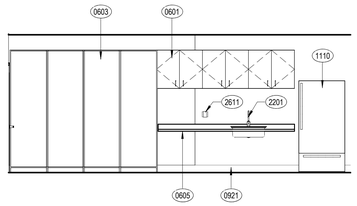
19 SPECIAL ED 524 - WEST
1/4" = 1'-0"



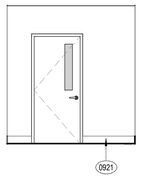
18 SPECIAL ED 524 - SOUTH
1/4" = 1'-0"



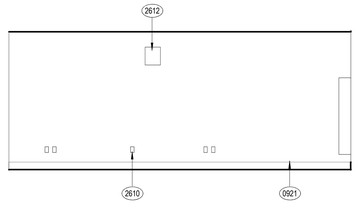
17 SPECIAL ED 524 - EAST
1/4" = 1'-0"



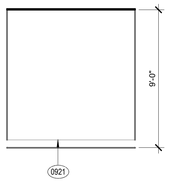
16 COPY 526 - NORTH
1/4" = 1'-0"



15 COPY 526 - WEST
1/4" = 1'-0"



14 COPY 526 - SOUTH
1/4" = 1'-0"



13 COPY 526 - EAST
1/4" = 1'-0"

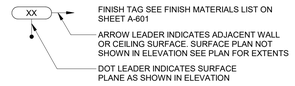
NOTE: REFERENCE DOOR MARK TO DOOR SCHEDULE ON A-601

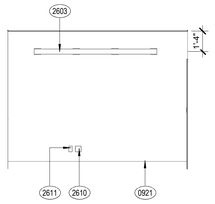
SIGNAGE KEYNOTES (S-00)

S-02 EXIT ROUTE SIGN, SEE 2/G-003.
S-03 ROOM IDENTIFICATION SIGN, SEE 3/G-003.
S-04 ASSISTIVE LISTENING DEVICE SIGN, SEE 4/G-003.
S-05 EXIT SIGN, SEE 5/G-003.
S-06 NOT AN EXIT SIGN, SEE 6/G-003.
S-07 MAXIMUM OCCUPANCY SIGN, SEE 7/G-003.

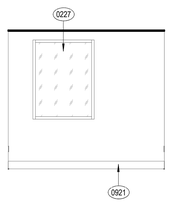
NOTE : SEE G-002 FOR TYPICAL SIGNAGE MOUNTING HEIGHT.

INTERIOR ELEVATIONS LEGEND

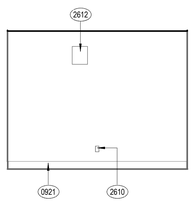




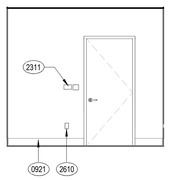
12 ED 514 - NORTH
1/4" = 1'-0"



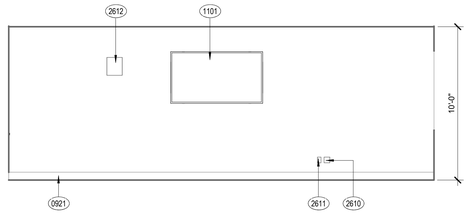
11 ED 514 - WEST
1/4" = 1'-0"



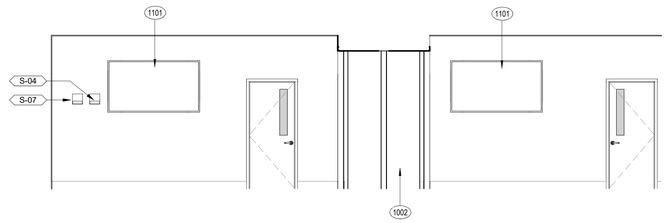
10 ED 514 - SOUTH
1/4" = 1'-0"



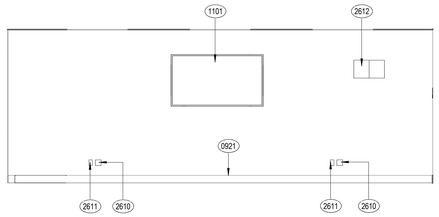
9 ED 514 - EAST
1/4" = 1'-0"



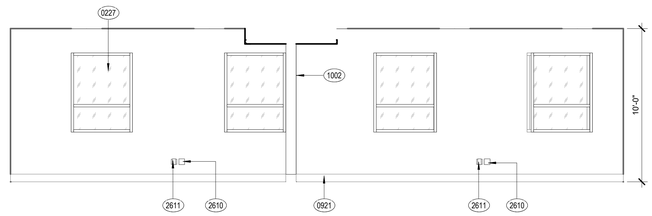
8 BOARD ROOM 501 - NORTH
1/4" = 1'-0"



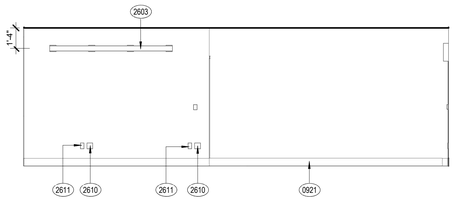
7 BOARD ROOM 501 - WEST
1/4" = 1'-0"



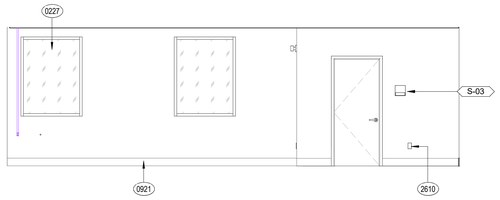
6 BOARD ROOM 501 - SOUTH
1/4" = 1'-0"



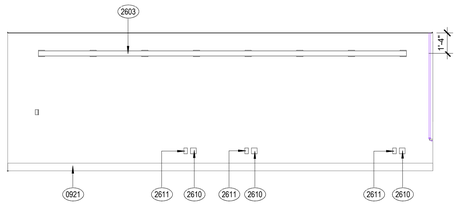
5 BOARD ROOM 501 - EAST
1/4" = 1'-0"



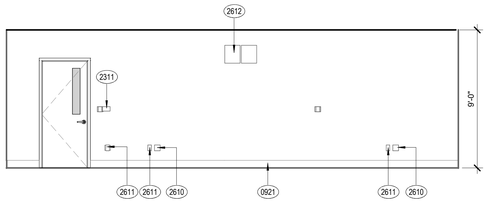
4 ED 516 - NORTH
1/4" = 1'-0"



3 ED 516 - WEST
1/4" = 1'-0"



2 ED 516 - SOUTH
1/4" = 1'-0"



1 ED 516 - EAST
1/4" = 1'-0"

ELEVATIONS KEYNOTE LEGEND	
Key Value	Keynote Text
0227	(E) WINDOW, TYP.
0601	(N) PLASTIC-LAMINATE CABINETS
0603	(N) FULL-HEIGHT BUILT-IN CABINETS
0605	(N) PLASTIC-LAMINATE COUNTERTOP
0921	(N) RUBBER WALL BASE
1002	(N) FOLDING PANEL PARTITION
1101	(N) WALL-MOUNTED MONITOR
1110	(N) REFRIGERATOR
2201	(N) SINK. S.P.D.
2311	(N) THERMOSTAT, SEE MECHANICAL DRAWINGS
2603	(N) SURFACE MOUNTED LIGHT, TYP., SEE ELECTRICAL DRAWINGS
2610	(N) RECEPTACLE, SEE ELECTRICAL DRAWINGS
2611	(N) DATA OUTLET, SEE ELECTRICAL DRAWINGS
2612	(N) SIGNAL SYSTEM CLOCK, SEE ELECTRICAL DRAWINGS

San Rafael City Schools
SAN RAFAEL CITY SCHOOLS
310 Nova Albion Way, San Rafael, CA 94903

SRCS District Office Modernization

310 Nova Albion Way, San Rafael, CA 94903

Date	Issued For

FOR REFERENCE ONLY NOT FOR CONSTRUCTION

HED
417 Montgomery Street
Suite 400
San Francisco, California
94104 USA
(415) 981-2345
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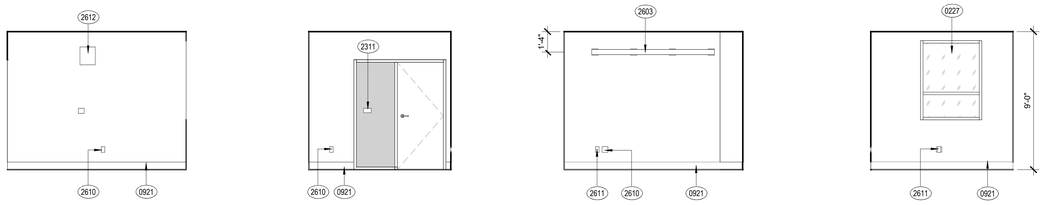
2024-SR001-001

Interior Elevations

A-445



16 SPECIAL ED 560 - NORTH 1/4" = 1'-0"

15 SPECIAL ED 560 - WEST 1/4" = 1'-0"

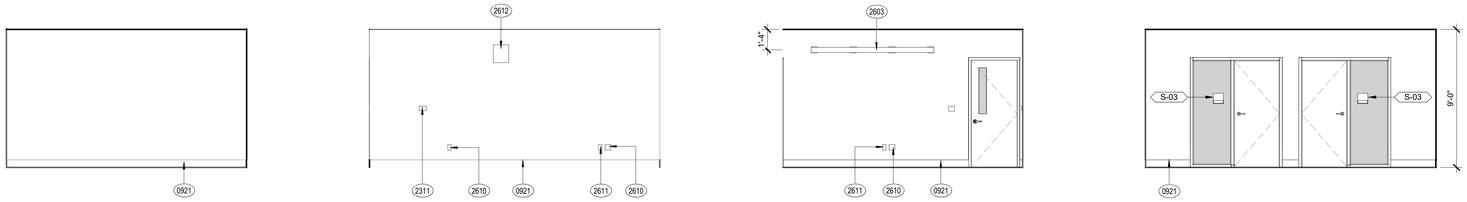
14 SPECIAL ED 560 - SOUTH 1/4" = 1'-0"

13 SPECIAL ED 560 - EAST 1/4" = 1'-0"

ELEVATIONS KEYNOTE LEGEND

Key Value	Keynote Text
0218	(E) HI-LO DRINKING FOUNTAIN, DSA Ai#01-121295
0227	(E) WINDOW, TYP.
0921	(N) RUBBER WALL BASE
1004	(N) FIRE EXTINGUISHER
1101	(N) WALL-MOUNTED MONITOR
2311	(N) THERMOSTAT, SEE MECHANICAL DRAWINGS
2603	(N) SURFACE MOUNTED LIGHT, TYP., SEE ELECTRICAL DRAWINGS
2610	(N) RECEPTACLE, SEE ELECTRICAL DRAWINGS
2611	(N) DATA OUTLET, SEE ELECTRICAL DRAWINGS
2612	(N) SIGNAL SYSTEM CLOCK, SEE ELECTRICAL DRAWINGS
105230	FIRE EXTINGUISHERS

NOTE: REFERENCE DOOR MARK TO DOOR SCHEDULE ON A-601



12 STUDENT SERVICES 523 - NORTH 1/4" = 1'-0"

11 STUDENT SERVICES 523 - WEST 1/4" = 1'-0"

10 STUDENT SERVICES 523 - SOUTH 1/4" = 1'-0"

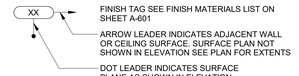
9 STUDENT SERVICES 523 - EAST 1/4" = 1'-0"

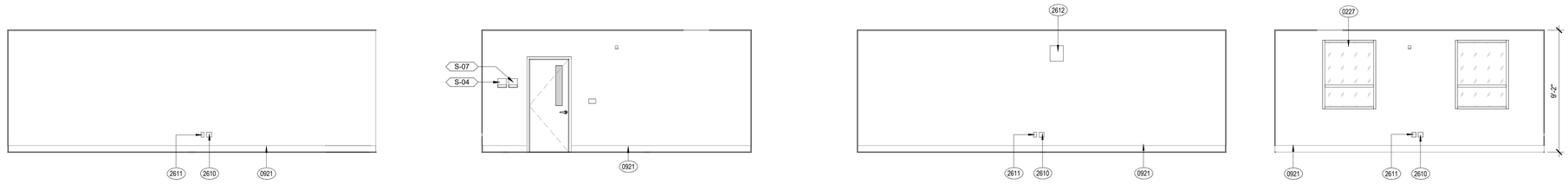
SIGNAGE KEYNOTES S-00

S-02 EXIT ROUTE SIGN, SEE 2/G-003.
S-03 ROOM IDENTIFICATION SIGN, SEE 3/G-003.
S-04 ASSISTIVE LISTENING DEVICE SIGN, SEE 4/G-003.
S-05 EXIT SIGN, SEE 5/G-003.
S-06 NOT AN EXIT SIGN, SEE 6/G-003.
S-07 MAXIMUM OCCUPANCY SIGN, SEE 7/G-003.

NOTE : SEE G-002 FOR TYPICAL SIGNAGE MOUNTING HEIGHT.

INTERIOR ELEVATIONS LEGEND



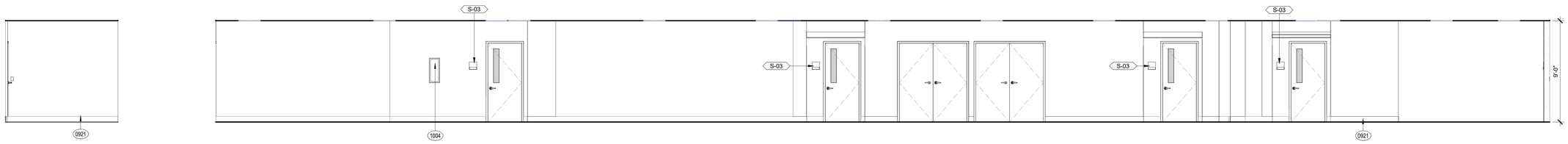


8 MEETING ROOM 502 - NORTH 1/4" = 1'-0"

7 MEETING ROOM 502 - WEST 1/4" = 1'-0"

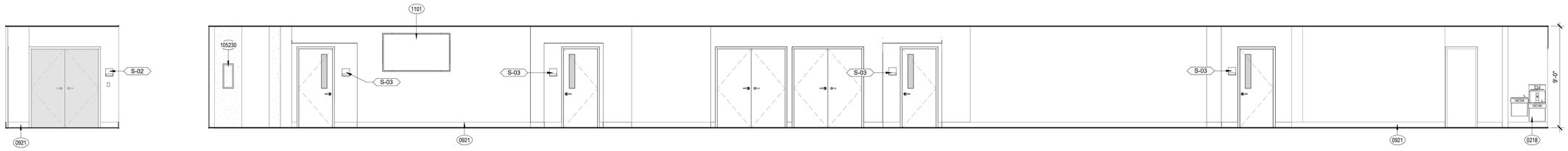
6 MEETING ROOM 502 - SOUTH 1/4" = 1'-0"

5 MEETING ROOM 502 - EAST 1/4" = 1'-0"



4 CORRIDOR 500B - NORTH 1/4" = 1'-0"

3 CORRIDOR 500B - WEST 1/4" = 1'-0"



2 CORRIDOR 500B - SOUTH 1/4" = 1'-0"

1 CORRIDOR 500B - EAST 1/4" = 1'-0"

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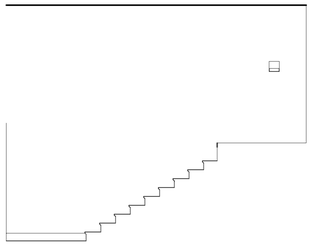
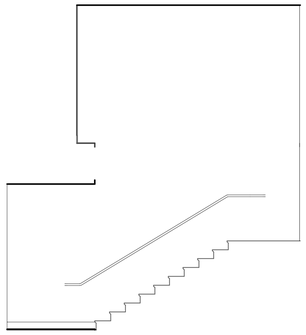
Interior Elevations

A-446



12 (E) STAIR NO.2 - NORTH
1/4" = 1'-0"



10 (E) STAIR NO.2 - SOUTH
1/4" = 1'-0"

ELEVATIONS KEYNOTE LEGEND

Key Value	Keynote Text
0218	(E) HI-LO DRINKING FOUNTAIN, DSA Ai#01-121295
0921	(N) RUBBER WALL BASE
1004	(N) FIRE EXTINGUISHER

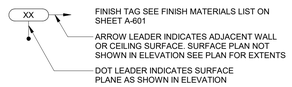
NOTE: REFERENCE DOOR MARK TO DOOR SCHEDULE ON A-601

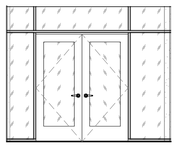
SIGNAGE KEYNOTES (S-00)

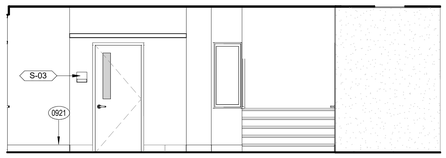
S-02 EXIT ROUTE SIGN, SEE 2/G-003.
S-03 ROOM IDENTIFICATION SIGN, SEE 3/G-003.
S-04 ASSISTIVE LISTENING DEVICE SIGN, SEE 4/G-003.
S-05 EXIT SIGN, SEE 5/G-003.
S-06 NOT AN EXIT SIGN, SEE 6/G-003.
S-07 MAXIMUM OCCUPANCY SIGN, SEE 7/G-003.

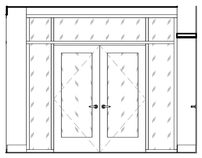
NOTE : SEE G-002 FOR TYPICAL SIGNAGE MOUNTING HEIGHT.

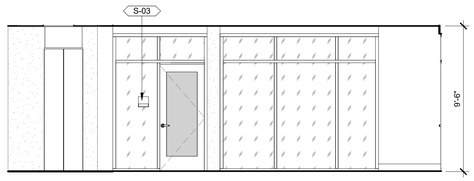
INTERIOR ELEVATIONS LEGEND









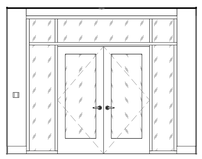


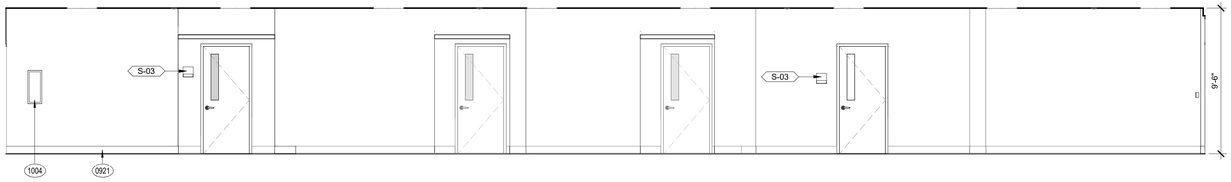
8 (N) VESTIBULE 500A - NORTH
1/4" = 1'-0"

7 (N) VESTIBULE 500A - WEST
1/4" = 1'-0"

6 (N) VESTIBULE 500A - SOUTH
1/4" = 1'-0"

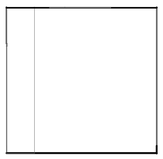
5 (N) VESTIBULE 500A - EAST
1/4" = 1'-0"





4 CORRIDOR 500 - NORTH
1/4" = 1'-0"

3 CORRIDOR 500 - WEST
1/4" = 1'-0"



2 CORRIDOR 500 - SOUTH
1/4" = 1'-0"

1 CORRIDOR 500 - EAST
1/4" = 1'-0"

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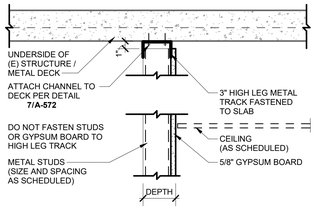
A-447



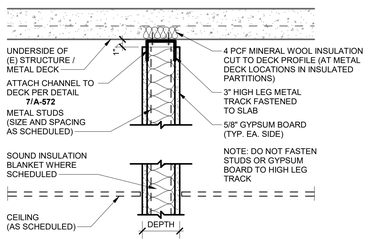
D T01 PARTITION DETAIL D-T01
1 1/2" = 1'-0"

D B01 PARTITION DETAIL D-B01
1 1/2" = 1'-0"

TYPE	DEPTH	FRAMING WIDTH	FRAMING SPACING (OC)	DETAILS BOTTOM	DETAILS TOP	INSUL THK
0D3A	4 1/4"	3 5/8"	16"	B01	T01	-

D PARTITION D
1 1/2" = 1'-0"

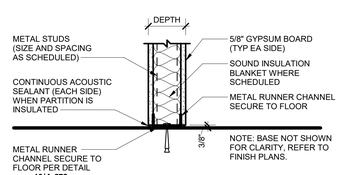
TYPE D



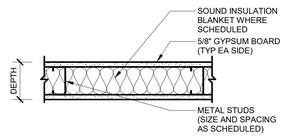
A T01 PARTITION DETAIL A-T01
1 1/2" = 1'-0"

TYPE	DEPTH	FRAMING WIDTH	FRAMING SPACING (OC)	DETAILS BOTTOM	DETAILS TOP	INSUL THK
0A3A	4 7/8"	3 5/8"	16"	B01	T01	3 1/2"
0A6A	7 1/4"	6"	16"	B01	T01	6"

*WHERE PARTITION ALIGNS WITH EXISTING WALL, MATCH EXISTING STUD SIZE. VERIFY IN FIELD.



A B01 PARTITION DETAIL A-B01
1 1/2" = 1'-0"



A PARTITION A
1 1/2" = 1'-0"

TYPE A

PARTITION NOTES

1. PROVIDE NON-COMPOSITE METAL FRAMING ASSEMBLIES OF METAL STUD DEPTH AND SPACING AS INDICATED FOR PROJECT SPECIFIC SPANS MEETING AN ALLOWABLE DEFLECTION OF L/240 WITH LATERAL LOAD OF AT LEAST 5 PSF FOR LIMITING HEIGHTS. PROVIDE 20 GA. STUDS (MINIMUM). PROVIDE HEAVIER GAUGE AND/OR WIDER FLANGE WIDTH TO MEET STATED PERFORMANCE REQUIREMENTS FOR LIMITING HEIGHTS. COMPLY WITH METAL FRAMING MANUFACTURER'S REQUIREMENTS FOR BRACING STUD FLANGES AND PROVIDING HORIZONTAL BRIDGING AT 48" O.C. MAXIMUM VERTICAL SPACING.
2. TO THE EXTENT POSSIBLE, FIRE RATED WALLS SHALL BE COMPLETELY AND CONTINUOUSLY CONSTRUCTED FIRST (EXCEPT FOR FINAL FINISH), WITH OTHER NON-RATED WALLS CONSTRUCTED TO THEM.
3. FIRE RATED WALLS EXTEND FULL HEIGHT TO STRUCTURE ABOVE AND SEAL TO DECK UNLESS DETAILED OTHERWISE.
4. USE GALVANIZED CORNER BEADS AND EDGE TRIM IN EXPOSED WORK.
5. MOVEMENT CONTROL:
   A. PROVIDE FOR VERTICAL MOVEMENT AT THE HEAD OF CONSTRUCTION AS INDICATED IN THE NOTES ON THE DRAWINGS. CONNECT HEAD RUNNER CHANNEL TO THE UNDERSIDE OF STRUCTURE AS INDICATED ON THE DRAWINGS; CUT STUDS SHORT TO ALLOW FOR VERTICAL MOVEMENT IN ACCORDANCE WITH NOTE BELOW, AND DO NOT FASTEN TO HEAD RUNNER CHANNEL; FASTEN GYPSUM BOARD TO STUDS ONLY.
   B. ALLOW FOR A MIN OF 1" VERTICAL MOVEMENT FOR PARTITIONS BELOW SLABS, BEAMS OR TRUSSES.
   C. ALLOW FOR ½" RACKING OF PARTITIONS BUILT NEXT TO VERTICAL ELEMENTS (i.e. COLUMNS, WALLS, EXTERIOR WALLS).
6. PROVIDE ABUSE RESISTANT GYPSUM BOARD AT STAIR SIDES OF STAIR ENCLOSURE PARTITIONS..
7. SOUND CONTROL:
   A. SEAL OPENINGS AT OUTLETS, SWITCHES, MECHANICAL OPENINGS AND PERIMETER CONDITIONS WITH ACOUSTIC SEALANT.
   B. PROVIDE SOUND ATTENUATION BLANKETS WHERE INDICATED.
8. PENETRATIONS AT SMOKE AND FIRE RATED ASSEMBLIES SHALL BE PROTECTED, SEALED AND DAMPERED, USING UL OR OTHER AHJ APPROVED METHODS, MATERIALS AND INSTALLATION, AS REQUIRED TO MAINTAIN THE ASSEMBLY'S RATING AND SMOKE RESISTANT REQUIREMENTS. ALL MATERIALS AND INSTALLATION DETAILS SHALL CONFORM TO UL LISTINGS FOR "THROUGH-PENETRATION FIRE STOP SYSTEMS" WHERE APPLICABLE. CONTRACTOR SHALL SUBMIT SHOP DRAWING DETAILS, FURNISHED BY THE MANUFACTURER, OF THE FIRE STOP MATERIAL, THAT SHOW COMPLETE CONFORMANCE TO THE UL LISTING AND SUCH DRAWINGS SHALL BE AVAILABLE TO AHJ INSPECTORS. THE DRAWINGS SHALL BE SPECIFIC FOR EACH PENETRATION TYPE.
9. WHERE IDENTIFIED ON DRAWINGS, SMOKE BARRIERS/PARTITIONS SHALL BE CONTINUOUS FROM INSIDE FACE OF SHEATHING OF OUTSIDE WALLS, FROM FIRE BARRIER TO FIRE BARRIER, FROM SMOKE BARRIER TO SMOKE BARRIER AND FROM FLOOR SLAB TO FLOOR OR ROOF SLAB ABOVE, THEREBY PROVIDING CONTINUITY THROUGH ALL CONCEALED SPACES. COMPLETELY SEAL ALL OPENINGS WHERE THE SMOKE BARRIER ABUTS OTHER SMOKE BARRIERS, FIRE BARRIERS, EXTERIOR WALLS, THE FLOOR BELOW AND THE FLOOR OR CEILING ABOVE.
10. LIGHT GAUGE METAL FRAMING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ASTM 754, "STANDARD SPECIFICATIONS FOR INSTALLATION OF STEEL FRAMING MEMBERS".
11. WALL TYPES SHOW BASE WALL CONSTRUCTION. BASE, TILE, WOOD PANELING / TRIM, ACOUSTICAL PANELS, ETC. MAY OCCUR AS SCHEDULED OR DETAILED ELSEWHERE.
12. AT FULL- HEIGHT PARTITIONS WHERE DUCTWORK OR OTHER OBSTACLES PREVENT EXTENSION OF ALL STUDS TO DECK, FRAME STUDS AROUND OBSTACLES WITH HEADERS AND BRACING AS NECESSARY. PROVIDE DOUBLED STUDS AT ENDS OF OPENINGS TO DECK ABOVE..
13. LOCATE VERTICAL CONTROL JOINTS AT 30'-0" O.C.(MAX.) OR AS SHOWN ON PLANS OR NOTED AS "CJ" ON ELEVATIONS. CONFIRM CONTROL JOINT LOCATIONS WITH ARCHITECT PRIOR TO FRAMING.
14. PROVIDE 5/8" CEMENTITIOUS BACKER BOARD AT TILE (REFER TO ROOM FINISH PLANS/SCHEDULES FOR LOCATIONS AND HEIGHT). AT CONTRACTOR'S OPTION, PROVIDE 5/8" FIBERGLASS MAT TILE BACKER BOARD AT PARTITIONS SCHEDULED TO RECEIVE TILE IN NON-WET AREAS. SHOWER AREAS AND AREAS WITH TERRAZZO BASE TO RECEIVE CEMENTITIOUS BACKER BOARD ONLY.
15. GYPSUM BOARD FINISH TO BE LEVEL 4 UON.

PARTITION TYPES - NAMING

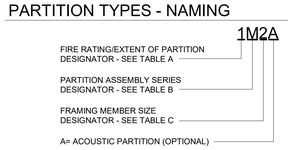


TABLE A - RATING/EXTENT OF PARTITION

DES.	CONDITION
0	NON-RATED, FULL-HEIGHT, BOTTOM 01/TOP 01
1, 2, 3	RATING IN HOURS, FULL HEIGHT, BOTTOM 02/TOP 02
C	FINISH 6" ABOVE CEILING, BOTTOM 01/TOP 03
U	PARTITION UNDER CEILING, BOTTOM 01/TOP 07
H	PARTIAL HEIGHT PARTITION BOTTOM 10/TOP 10

TABLE B - PARTITION ASSEMBLY SERIES

TYPE	SHEATHING	FRAMING	SHEATHING
A	1 LAYER	MTL C-STUD	1 LAYER
B	2 LAYERS	MTL C-STUD	2 LAYERS
C	1 LAYER	MTL C-STUD	2 LAYERS
D	1 LAYER	MTL C-STUD	NONE
E	2 LAYERS	MTL C-STUD	NONE
F	1 LAYER	HAT CHANNEL	NONE
G	2 LAYERS	HAT CHANNEL	NONE
H	1 LAYER	MTL C-H STUD	SHAFT LINER
J	2 LAYERS	MTL C-H STUD	SHAFT LINER
K	1 LAYER	2 MTL C-STUD	1 LAYER
L	2 LAYERS	2 MTL C-STUD	2 LAYERS
M	-	CMU	-
N	1 LAYER	WD STUD	1 LAYER
P	2 LAYERS	WD STUD	2 LAYERS
Q	1 LAYER	WD STUD	2 LAYERS
R	1 LAYER	WD STUD	NONE
S	2 LAYERS	WD STUD	NONE
T	1 LAYER	WD FURRING	NONE
U	2 LAYERS	WD FURRING	NONE
V	*RESERVED FOR PROJECT SPECIFIC ASSIGNMENT*		
W	*RESERVED FOR PROJECT SPECIFIC ASSIGNMENT*		
X	*RESERVED FOR PROJECT SPECIFIC ASSIGNMENT*		
Y	*RESERVED FOR PROJECT SPECIFIC ASSIGNMENT*		
Z	*RESERVED FOR PROJECT SPECIFIC ASSIGNMENT*		

TABLE C - FRAMING MEMBER SIZE

DES.	MTL STUD WIDTH	MTL C-H STUD WIDTH (NOM)	WD STUD WIDTH (NOM)	CMU WIDTH (NOM)
-		NO FRAMING		
0	7/8" HAT CH		1"	10"
1	1 1/2" HAT CH			
2	2 1/2"	2 1/2"	2"	12"
3	3 5/8"	-	-	
4	4"	4"	4"	4"
6	6"	6"	6"	6"
8	8"	-	8"	8"

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△	Date	Issued For
1	12/20/23	50% Construction Documents
4	09/06/2024	100% Design Development

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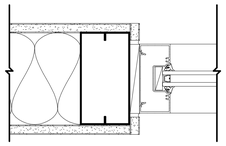
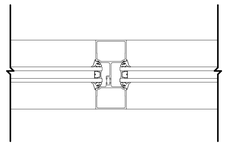
Partition Types

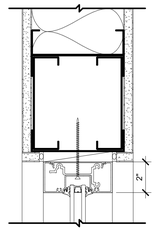
A-571



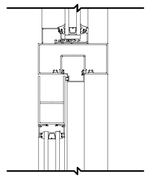
16 STOREFRONT JAMB
3" = 1'-0"



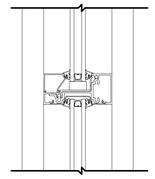
12 STOREFRONT VERTICAL
3" = 1'-0"



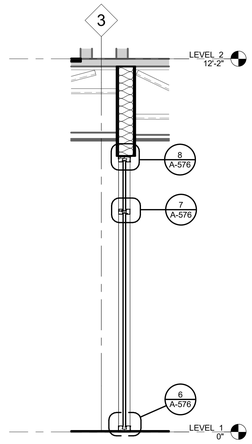
8 STOREFRONT HEAD
3" = 1'-0"



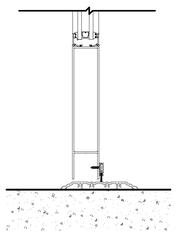
11 STOREFRONT DOOR HEAD
3" = 1'-0"



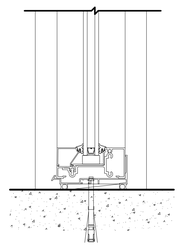
7 STOREFRONT HORIZONTAL
3" = 1'-0"



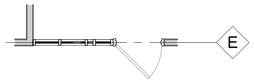
3 WALL PROFILE AT STOREFRONT
1/2" = 1'-0"



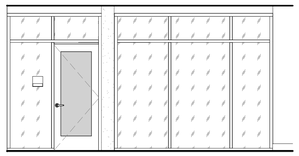
10 STOREFRONT DOOR SILL
3" = 1'-0"



6 STOREFRONT SILL
3" = 1'-0"

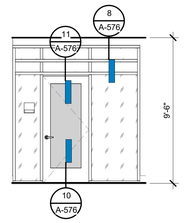


2 STOREFRONT PLAN - SECON LEVEL
1/4" = 1'-0"

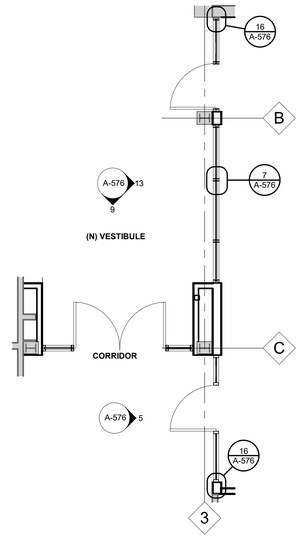


13 STOREFRONT ELEVATION 1
1/4" = 1'-0"

9 STOREFRONT ELEVATION 2
1/4" = 1'-0"



5 STOREFRONT ELEVATION 3
1/4" = 1'-0"



1 STOREFRONT PLAN - FIRST LEVEL
1/4" = 1'-0"

San Rafael City Schools
SAN RAFAEL CITY SCHOOLS
310 Nova Albion Way, San Rafael, CA 94903

SRCS District Office Modernization

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94104 USA
(415) 981-2345
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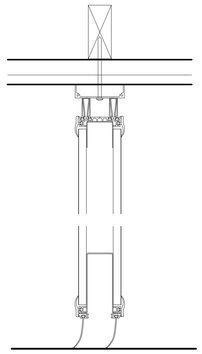
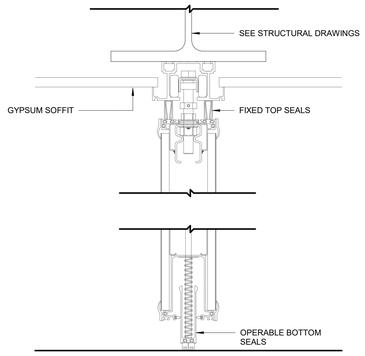
Interior Storefront Details

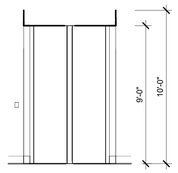
A-576



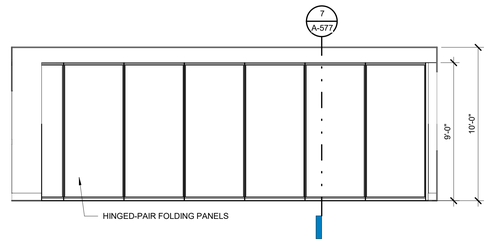
11 POCKET DOOR SECTION
3" = 1'-0"



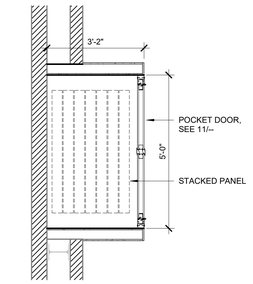
7 TRACK CARRIER SUPPORT
3" = 1'-0"



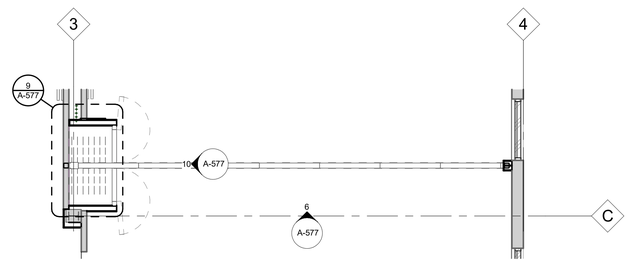
10 STACK CLOSET ELEVATION
1/4" = 1'-0"



6 BOARD ROOM 501 - OPERABLE PARTITION ELEVATION
1/4" = 1'-0"



9 STACK CLOSET
1/2" = 1'-0"



5 OPERABLE PARTITION - ENLARGED PLAN
1/4" = 1'-0"

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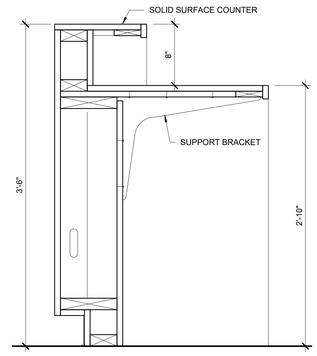
Interior Operable Partition Details

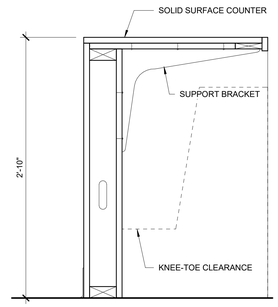
A-577

MILLWORK NOTES

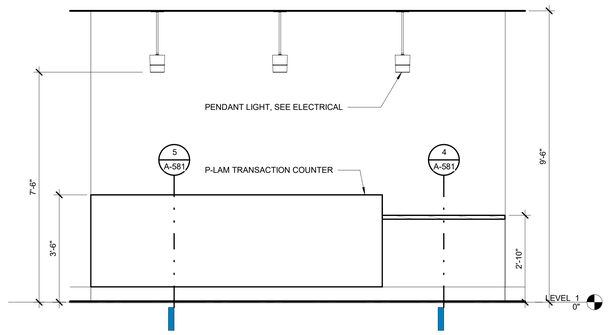
1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, ALONG WITH 12" X 12" SAMPLES OF FINISHES ON SPECIFIED SUBSTRATES, FOR APPROVAL BY THE ARCHITECT PRIOR TO COMMENCEMENT OF FABRICATION.
2. WORK SHALL BE CUSTOM GRADE, FLUSH OVERLAY CONSTRUCTION, IN COMPLIANCE WITH NORTH AMERICAN ARCHITECTURAL WOODWORK STANDARDS (NAAWS), CURRENT EDITION, INCLUDING ERRATA.
3. BLOCKING GROUNDS, ROUGH BUCKS AND MISCELLANEOUS BLOCKING SHALL BE FIRE-RETARDANT TREATED WOOD AS REQUIRED BY APPLICABLE CODES.
4. PROVIDE BLOCKING IN PARTITIONS TO PROPERLY SUPPORT CABINET WORK OR OTHER ITEMS WEIGHING MORE THAN 40 LBS. IF BLOCKING IS WOOD, PROVIDE FRTW AS REQUIRED PER APPLICABLE CODE.
5. WOOD SURFACES AND EDGES TO BE PAINTED SHALL BE PROPERLY SANDED, SEALED, AND SHOP PRIMED TO RECEIVE SHOP FINISH COATS.
6. CONTRACTOR SHALL VERIFY DIMENSIONS IN THE FIELD PRIOR TO FABRICATION.
7. RUNNING AND STANDING TRIM TO HAVE MITERED OUTSIDE CORNERS, COPED INSIDE CORNERS, UNLESS OTHERWISE NOTED.
8. CASEWORK AND MILLWORK TO MEET THE FLAME SPREAD AND MINIMUM SMOKE DEVELOPED REQUIREMENTS OUTLINED ON THE CODE AND LIFE SAFETY DRAWINGS OR AS REQUIRED BY APPLICABLE CODES.
9. CABINET WORK TO BE CONSTRUCTED AS DETAILED AND INDICATED, WITH THE FOLLOWING GUIDELINES:
   - EXPOSED SURFACES (INCLUDING SURFACES INSIDE CABINETS EXPOSED WITH DOORS OPEN, AND UNDERSIDE AND EDGES OF SHELVES) TO BE FINISHED.
   - PLASTIC LAMINATE: HORIZONTAL SURFACES, GRADE OF .050" THICK, GENERAL PURPOSE TYPE (HIGH PRESSURE). VERTICAL SURFACES, GRADE OF .028" THICK, WITH LAMINATE ON EXPOSED SURFACES AND EDGES. IF NOT INDICATED IN MATERIAL FINISH SCHEDULE, COLORS TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARDS.
   - CABINET DOORS TO HAVE CONCEALED PIVOT HINGES OR CABINET HINGES.
   - UNLESS INDICATED OTHERWISE, DRAWERS TO HAVE 3 ½" BRUSHED STAINLESS WIRE PULLS.
   - CABINET AND PANEL SUBSTRATES TO BE 3/4" HIGH-DENSITY LOW-VOC PARTICLE BOARD UNLESS OTHERWISE NOTED.
   - WOOD VENEER FOR ALL VERTICAL MILLWORK (PANELS) MIN. 1/32" THICK.
   - ALL PANEL VENEER WORK TO CONFORM TO NAAWS SECTION 4, SHEET PRODUCTS. VENEER APPLICATION TO BE "BOOK MATCH."



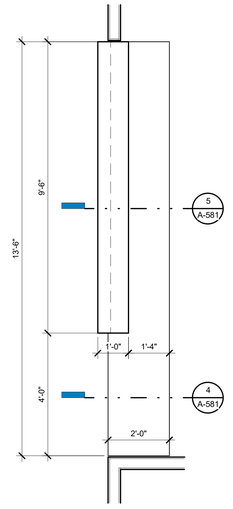
5 COUNTER SECTION
1 1/2" = 1'-0"



4 COUNTER SECTION AT ADA
1 1/2" = 1'-0"



3 COUNTER FRONT ELEVATION
1/2" = 1'-0"



1 COUNTER ENLARGED PLAN
1/2" = 1'-0"

San Rafael City Schools

SAN RAFAEL CITY SCHOOLS

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SRCS District Office Modernization

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09/06/2024	100% Design Development

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Millwork Details

A-581

ROOM FINISH SCHEDULE

Level	ROOM NO	NAME	FINISH		WALLS					NOTES
			FLOOR	BASE	N	S	E	W	CEILING	
LEVEL 1										
LEVEL 1	-	(E) ELEV	CPT	N/A	-	-	-	-	-	
LEVEL 1	-	(E) STAIR NO.2	CONC	N/A	-	-	-	-	-	
LEVEL 1	500	CORRIDOR	LVT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 1	500A	(N) VESTIBULE	LVT/CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 1	538	PAYROLL	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 1	539	PAYROLL	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 1	541	HR	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 1	542	HR	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 1	543	HR	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 1	544	HUDDLE	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 1	545	ACCOUNTING	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 1	546	ACCOUNTING OPEN OFFICE	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 1	547	ENROLLMENT DIRECTOR	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 1	548	ENROLLMENT OFFICE	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 1	549	ENROLLMENT LOBBY	LVT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 1	550	MECHANICAL	CONC	N/A	-	-	-	-	-	
LEVEL 1	551	CUSTODIAL	CONC	N/A	-	-	-		-	
LEVEL 1	562	ENROLLMENT WAITING	CPT	RB					ACT-1	
LEVEL 2										
LEVEL 2	-	(E) STAIR NO.2	CONC	N/A	-	-	-	-	-	
LEVEL 2	500B	CORRIDOR	LVT	N/A	-	-	-	-	-	
LEVEL 2	501	BOARD ROOM	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 2	502	MEETING ROOM	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 2	503	ED	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 2	504	ED	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 2	509	SUPER	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 2	510	OFFICE	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 2	511	SUPERINTENDENT	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 2	512	SUPERINTENDENT	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 2	513	ED	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 2	514	ED	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 2	516	ED	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 2	517	MECHANICAL	CONC	N/A	-	-	-	-	-	
LEVEL 2	518	CUSTODIAL	CONC	N/A	-	-	-	-	-	
LEVEL 2	523	SPECIAL ED/STUDENT SERVICES	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 2	524	SPECIAL ED	CPT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 2	526	COPY/COFFEE	LVT	RB	PT	PT	PT	PT	ACT-1	
LEVEL 2	560	SPECIAL ED	CPT	RB	PT	PT	PT	PT	ACT-1	

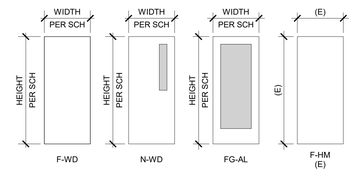
FINISH MATERIALS LIST

Finish Type	MARK	MANUFACTURER	STYLE	PRODUCT #	SIZE	COLOR	COMMENTS
BASE							
BASE	RB-1	BURKE	THERMOSET RUBBER BASE	DC	4"	AS SELECTED BY ARCHITECT	
CARPET							
CARPET	CPT-1	MOHAWK	CARPET TILE	MT086		AS SELECTED BY ARCHITECT	
CEILING							
CEILING	ACT-1	TARKETT	LAY-IN CEIING TILES	ACP-1	2'x2'	AS SELECTED BY ARCHITECT	
GLAZING							
GLAZING	GL-1		LAMINATED TEMPERED GLAZING				DOOR LITES
LUXURY VINYL TILE							
LUXURY VINYL TILE	LVT-1	TARKETT	LATITUDE WOOD	3523	6"X48"	LAUREL OAK	
PAINT							
PAINT	PT-1	SHERWIN WILLIAMS		-		-	INTERIOR FIELD PAINT
PAINT	PT-2	SHERWIN WILLIAMS		-		-	INTERIOR ACCENT PAINT
PAINT	PT-3	SHERWIN WILLIAMS		-		-	INTERIOR ACCENT PAINT
PAINT	PT-4	SHERWIN WILLIAMS		-		-	INTERIOR ACCENT PAINT

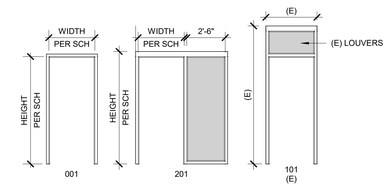
DOOR SCHEDULE

vv		DOORS						FRAME						
		SIZE												
LEVEL	MARK	WIDTH	HEIGHT	THK	TYPE - MTL	FINISH	GLAZING	TYPE-MTL	FINISH	GLAZING	HEAD	JAMB	HW SET	NOTES
LEVEL 1														
LEVEL 1	501	6'-0"	7'-1 43/64"	1 3/4"	FG-AL	ALUMN	---	NF(CW)	ALUMN	---				CARD READER
LEVEL 1	501H	2'-11 19/64"	7'-1 43/64"	1 3/4"	FG-AL	ALUMN	---	NF(CW)	ALUMN	---				
LEVEL 1	538	3'-0"	7'-0"	1 3/4"	N-WD	PT	---	001-HM1	PT	---				
LEVEL 1	539	3'-0"	7'-0"	1 3/4"	F-HM : (E)	PT	---	001-HM1	PT	---				EXISTING
LEVEL 1	541A	3'-0"	7'-0"	1 3/4"	N-WD	PT	---	001-HM1	PT	---				
LEVEL 1	541B	3'-0"	7'-0"	1 3/4"	F-HM : (E)	PT	---	001-HM1	PT	---				EXISTING
LEVEL 1	542	3'-0"	7'-0"	1 3/4"	N-WD	PT	---	001-HM1	PT	---				
LEVEL 1	543	3'-0"	7'-0"	1 3/4"	F-HM : (E)	PT	---	001-HM1	PT	---				EXISTING
LEVEL 1	544	3'-0"	7'-0"	1 3/4"	N-WD	PT	---	001-HM1	PT	---				
LEVEL 1	545	3'-0"	7'-0"	1 3/4"	F-HM : (E)	PT	---	001-HM1	PT	---				EXISTING
LEVEL 1	546	3'-0"	7'-0"	1 3/4"	N-WD	PT	---	001-HM1	PT	---				
LEVEL 1	547	3'-0"	7'-0"	1 3/4"	F-WD	PT		20-HM1A : 20-HM1B	PT					
LEVEL 1	548	3'-0"	7'-0"	1 3/4"	N-WD	PT	---	001-HM1	PT	---				
LEVEL 1	549A	2'-11 19/64"	7'-1 43/64"	1 3/4"	FG-AL	ALUMN	---	NF(CW)	ALUMN	---				
LEVEL 1	549B	3'-0"	7'-1"	1 3/4"	FG-AL	ALUMN	---	NF(CW)	PT	---				
LEVEL 1	558	6'-0"	7'-1 43/64"	1 3/4"	FG-AL	ALUMN	---	NF(CW)	ALUMN	---				
LEVEL 1	562	3'-0"	7'-0"	1 3/4"	N-WD	PT	---	001-HM1	PT	---				
LEVEL 1	563	3'-0"	7'-0"	1 3/4"	N-WD	PT	---	001-HM1	PT	---				
LEVEL 2														
LEVEL 2	501	3'-0"	7'-0"	1 3/4"	N-WD	PT	---	001-HM1	PT	---				
LEVEL 2	501A	3'-0"	7'-0"	1 3/4"	N-WD	PT	---	001-HM1	PT	---				
LEVEL 2	502	3'-0"	7'-0"	1 3/4"	N-WD	PT	---	001-HM1	PT	---				
LEVEL 2	503	3'-0"	7'-0"	1 3/4"	N-WD	PT	---	001-HM1	PT	---				
LEVEL 2	504	3'-0"	7'-0"	1 3/4"	F-HM : (E)	PT	---	001-HM1	PT	---				EXISTING
LEVEL 2	509	3'-0"	7'-0"	1 3/4"	N-WD	PT	---	001-HM1	PT	---				
LEVEL 2	510	3'-0"	7'-0"	1 3/4"	N-WD	PT	---	001-HM1	PT	---				
LEVEL 2	510A	3'-0"	7'-0"	1 3/4"	F-HM : (E)	PT	---	001-HM1	PT	---				EXISTING
LEVEL 2	511	3'-0"	7'-0"	1 3/4"	N-WD	PT	---	001-HM1	PT	---				
LEVEL 2	512	3'-0"	7'-0"	1 3/4"	N-WD	PT	---	001-HM1	PT	---				
LEVEL 2	512A	3'-0"	7'-0"	1 3/4"	F-HM : (E)	PT	---	001-HM1	PT	---				EXISTING
LEVEL 2	513	3'-0"	7'-0"	1 3/4"	F-HM : (E)	PT	---	001-HM1	PT	---				EXISTING
LEVEL 2	514	3'-0"	7'-0"	1 3/4"	F-HM : (E)	PT	---	001-HM1	PT	---				EXISTING
LEVEL 2	516	3'-0"	7'-0"	1 3/4"	N-WD	PT	---	001-HM1	PT	---				
LEVEL 2	523	3'-0"	7'-0"	1 3/4"	N-WD	PT	---	001-HM1	PT	---				
LEVEL 2	524	3'-0"	7'-0"	1 3/4"	F-WD	PT		20-HM1A : 20-HM1B	PT					
LEVEL 2	526	3'-0"	7'-0"	1 3/4"	N-WD	PT	---	001-HM1	PT	---				
LEVEL 2	560	3'-0"	7'-0"	1 3/4"	F-WD	PT		20-HM1A : 20-HM1B	PT					

PANEL TYPES



FRAME TYPES



MATERIAL LEGEND

MATERIAL (MTL)

AL	ALUMINUM
EX	EXISTING
GL	GLASS
HM	HOLLOW METAL
SS	STAINLESS STEEL
STL	STEEL
WD	WOOD

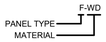
FINISH

FF	FACTORY FINISH
PT	PAINT (AS SCHEDULED)
CLR ANO	CLEAR ANODIZED ALUMINUM
PLAM	PLASTIC LAMINATE

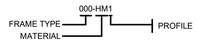
NOTE: ALL DOORS ARE UNDERCUT 5/8". PROVIDE 3/4" UNDERCUT AT ALL TOILET ROOM, HOUSEKEEPING (HK), SOILED UTILITY AND LOCKER ROOM DOORS.

NOTE: ALL GLAZING (GL-1) IN DOORS AND SIDELITE/TRANSOM GLAZING TO BE LAMINATED GLASS, U.O.N.

PANEL TYPES



FRAME TYPES



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△	Date	Issued For
1	12/20/23	50% Construction Documents

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2024-SR001-001

Schedules

A-601

1ST LEVEL - STAIR / ENTRY VIEW

1ST LEVEL - CORRIDOR VIEW

2ND LEVEL - MEETING ROOM

1ST LEVEL - HR OFFICE VIEW

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Renders

A-901

9/4/2024 7:57:10 AM

GENERAL NOTES

1. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIPING, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
2. EXACT LOCATIONS AND MOUNTING HEIGHTS OF PLUMBING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS.
3. SEE ARCHITECTURAL DRAWINGS FOR ADA FIXTURE LOCATIONS AND MOUNTING HEIGHTS. (INSULATE ALL EXPOSED HOT AND COLD WATER AND DRAIN PIPING BELOW ADA LAVATORIES AND SINKS AND OFFSET P-TRAP AGAINST WALL. ALSO, ALL FLUSH VALVES SHALL BE TO WIDE SIDE OF STALL.)
4. TRAPS FOR ALL LAVATORIES AND SINKS SHALL TRAP STRAIGHT BACK TO WALL WITH ALL REQUIRED OFFSETS HAPPENING WITHIN THE WALL.
5. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE IN THE NAME OF THE OWNER AND SHALL PAY ALL MATERIAL AND LABOR COSTS INCIDENTAL TO AN OPERABLE UTILITY SERVICE AS REQUIRED BY THE DESIGNATED GOVERNING AUTHORITIES OF THE CITY.
6. ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING.
7. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING ACCESS PANELS WITH THE ARCHITECTURAL REFLECTED CEILING PLANS AND THE ELEC. LIGHTING LAYOUT.
8. THE PLUMBING CONTRACTOR SHALL PROVIDE THE WATER, SEWER AND STORM DRAIN SYSTEMS TO A POINT OF CONNECTION SHOWN ON FLOOR PLANS AND SHALL MEET THE INVERT ELEVATION AS FIELD VERIFIED WHILE MAINTAINING REQUIRED PIPE GRADE.
9. ANY ALTERATIONS TO A STRUCTURAL MEMBER, SUCH AS CUTTING, BORING, BRAZING, DRILLING, WELDING, ETC. SHALL HAVE PRIOR WRITTEN APPROVAL OF ARCHITECT AND STRUCTURAL ENGINEER.
10. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC., AND THE ARCHITECT PRIOR TO ANY INSTALLATION.
11. CONTRACTOR TO PROVIDE WATER HAMMER ARRESTORS AS MANUFACTURED BY JAY R. SMITH OR EQUAL. WATER HAMMER ARRESTORS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS ON ALL DOMESTIC WATER BRANCH LINES SERVING FIXTURES.
12. ALL PLUMBING FIXTURE VENTS TO TERMINATE A MIN. OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM ANY OUTSIDE AIR INTAKES.
13. ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.
14. CONTRACTOR SHALL COORDINATE LAYOUT OF ALL BELOW GRADE PIPING AND COMPONENTS WITH GENERAL CONTRACTOR PRIOR TO BID TO DETERMINE EXTENT OF REQUIRED SAW CUTTING, EXCAVATION, AND SUBSEQUENT REPAIR/RESTORATION OF ALL AFFECTED HARDSCAPE AND SOFTSCAPE SURFACES. ALL SUCH ITEMS SHALL BE INCLUDED IN BID.
15. BEFORE FABRICATION OR INSTALLATION THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT AND EQUIPMENT PROVIDED UNDER ANOTHER SECTION OF SPECIFICATIONS. EXACT ROUGH-IN LOCATIONS AND REQUIREMENTS SHALL BE COORDINATED IN FIELD.
16. ALL POINTS OF CONNECTION SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR PRIOR TO BID.
17. ALL WASTE AND VENT PIPING SHALL SLOPE AT 2% UNLESS OTHERWISE INDICATED.
18. ALL VALVES, WATER HAMMER ARRESTORS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
19. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH AND BE CONSIDERED TO BE A PART OF SEPARATE AND COMPLETE MECHANICAL SPECIFICATIONS.
20. CONNECTION BETWEEN INCOMPATIBLE MATERIALS ABOVE GRADE AND INSIDE BUILDING SHALL BE MADE WITH TWO (2) DIELECTRIC UNIONS SEPARATED BY A SIX INCH (6") SECTION OF RED BRASS PIPE.
21. ALL EXTERIOR GAS COCKS, WATER SHUT OFF VALVES AND/OR SEWER CLEANOUTS BELOW GROUND SHALL BE INSTALLED IN YARD BOXES WITH THE COVERS CONSPICUOUSLY MARKED "GAS", "WATER", AND "SEWER" RESPECTIVELY.
22. THE CONTRACTOR SHALL VERIFY THE EXACT ELEVATIONS AND LOCATION OF EXISTING DRAINAGE SYSTEM PIPING PRIOR TO CONNECTION OF ANY PIPING.
23. ALL HORIZONTAL PIPING LINES EXTENDED AND CONNECTED TO EQUIPMENT SHALL BE RUN AT THE HIGHEST POSSIBLE ELEVATIONS AND NOT LESS THAN 6" ABOVE THE FLOOR TO PROVIDE CLEARANCE FOR CLEANING. AT WALL OR COLUMN LOCATIONS, PIPING ROUGH-IN SHALL BE STUBBED IN WALLS WHENEVER POSSIBLE.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL AREAS WHICH ARE DAMAGED BY HIS OPERATIONS. IN ADDITION, THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION ALL EXISTING TO REMAIN STRUCTURE AND NEW CONSTRUCTION DAMAGED BY HIS OPERATIONS.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL PAVED AREAS WHICH ARE EXCAVATED AND/OR DAMAGED BY HIS OPERATIONS. IN ADDITION, THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION ALL PLANTED AREAS DAMAGED BY HIS OPERATIONS.
26. ALL PATCHING AND REPAIRING OF CONCRETE PAVING AND/OR WALKS SHALL BE UNDER ANOTHER SECTION OF THE SPECIFICATIONS.
27. ALL EXISTING PIPING DAMAGED DURING EXCAVATION SHALL BE REPAIRED WITH MATERIALS TO MATCH EXISTING BY THE CONTRACTOR AT NO COST TO THE OWNER.
28. ALL CUTTING OF EXISTING PAVING, WALKS AND/OR FLOORS SHALL BE BY MACHINE SAW CUTTING. HOLES FOR PIPES IN CONCRETE WALLS OR FLOORS SHALL BE DONE BY CORE DRILLING EQUIPMENT.
29. ALL PIPING, EXCEPT PIPING OF NONFERROUS MATERIAL, INSTALLED WITHIN THE GROUND SHALL BE PROTECTED AGAINST CORROSION BY A PROTECTIVE C OVERING SUITABLE FOR THE PURPOSE AND SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL. ANY PIPING SUBJECT TO UNDUE CORROSIVE ACTION SHALL BE PROTECTED IN A MATTER SUITABLE FOR THE PURPOSE AND SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL.
30. ALL PENETRATIONS AND OPENINGS IN PARTY WALLS AND ROOF/FLOOR/CEILING ASSEMBLIES DUE TO PLUMBING WORK SHALL BE SEALED LINED, INSULATED OR OTHERWISE TREATED TO MAINTAIN THE REQUIRED FIRE AND SOUND RATING.

M/E/P COMPONENT ANCHORAGE NOTES

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 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, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS 110/220 VOLT RECEPTABLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINT IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMOSTRATE DESIGN COMPLIANCE WITH THE REFERENCE NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT. FLEXIBLE CONNECTIONS 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 ADACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

DUCTWORK AND PIPING DISTRIBUTION BRACING NOTES

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC SECTION 1617A.1.24, 1617A.1.25 AND 1617A.1.26

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., HCAI OPM FOR CBC 2013 OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND THE BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E)

PP OPTION 1: DETAILED ON THE APPROVED DRAWINGS AND PROJECT SPECIFIC NOTES AND DETAILS

PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
——— ——— ———	W	SANITARY WASTE/SEWER PIPING
— — — — —	V	WASTE/SANITARY VENT PIPING
———————	SD	STORM DRAIN PIPNG
———————	OFD	OVERFLOW STORM DRAIN PIPING
——— — ———	CW	DOMESTIC COLD WATER PIPING
——— — — ———	HW	DOMESTIC HOT WATER PIPING
——— — — — ———	HWR	DOMESTIC HOT WATER RETURN PIPING
———————	G	NATURAL GAS PIPING
———————	CD	CONDENSATE DRAIN PIPING
⊂		PIPE GOING DOWN
○		PIPE GOING UP
⊃		TEE
⋈	SOV	SHUT-OFF VALVE
⋈		BALANCING VALVE
XX-X		EQUIPMENT OR FIXTURE
	CONT.	CONTINUED/CONTINUATION
	FR.	FROM
	BEL.	BELOW
	DN.	DOWN
	VTR	VENT THROUGH ROOF
	AP	ACCESS DOOR
	NIC	NOT IN CONTRACT
	REF.	REFERENCE
	S.A.D.	SEE ARCHITECTURAL DRAWINGS
	S.M.D.	SEE MECHANICAL DRAWINGS
	S.C.D.	SEE CIVIL DRAWINGS
	S.S.D.	SEE STRUCTURAL DRAWINGS
	SF	SQUARE FEET

PLUMBING FIXTURE SCHEDULE

FIXTURE	MARK	ROUGH IN CONNECTIONS				DESCRIPTION
		HW	CW	WASTE	VENT	
SINK	S-1	1/2"	1/2"	2"	2"	ELKAY LUSTERTONE LRAD2521 COUNTER MOUNTED, 18 GAUGE, TYPE 304 STAINLESS STEEL, SELF RIMMING. FAUCET: CHICAGO FAUCET 434-ABCP DECK MOUNTED, SINGLE HOLE, PULL DOWN SIDE SPRAY, CHROME PLATED, DUAL PATTERN 1.5 GPM. DRAIN/ANGLE STOPS/P-TRAP/PIPE WRAP: SEE SECTION 22 00 00

NOTES
1. ITEM DESCRIPTIONS INCLUDED IN THIS SCHEDULE ARE INTENDED TO DESCRIBE GENERAL FIXTURE CONFIGURATIONS, AND DO NOT INCLUDE ALL REQUIREMENTS.
   REFER TO SPECIFICATION SECTION 22 00 00 FOR ADDITIONAL REQUIREMENTS.
2. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS AND REQUIRED CLEARANCES OF ALL FIXTURES.
3. ALL FIXTURES, TRIM, AND VALVING SHALL COMPLY WITH CALIFORNIA'S LEAD FREE PLUMBING LAW, HEALTH AND SAFETY CODE AND CA ASSEMBLY BILL 1953.

LIST OF APPLICABLE CODES

LIST OF CODES AND STANDARDS MODEL CODE EDITIONS EFFECTIVE JANUARY 1, 2023
2022 CA BUILDING CODE TITLE 24 PART 2 VOLUME #1 AND #2
2022 CA ELECTRICAL CODE TITLE 24 PART 3
2022 CA MECHANICAL CODE TITLE 24 PART 4
2022 CA PLUMBING CODE TITLE 24 PART 5
2022 CA FIRE CODE TITLE 24 PART 9
2022 CA BUILDING STANDARDS TITLE 24 PART 9

San Rafael City Schools
SAN RAFAEL CITY SCHOOLS
310 Nova Albion Way, San Rafael, CA 94903

SRCS District Office Modernization
310 Nova Albion Way, San Rafael, CA 94903

△ Date Issued For

FOR REFERENCE ONLY NOT FOR CONSTRUCTION

HED
417 Montgomery Street
Suite 400
San Francisco, California
94104 USA
(415) 981-2345
WWW.HED.DESIGN

Project Number

Plumbing General Notes and Legend

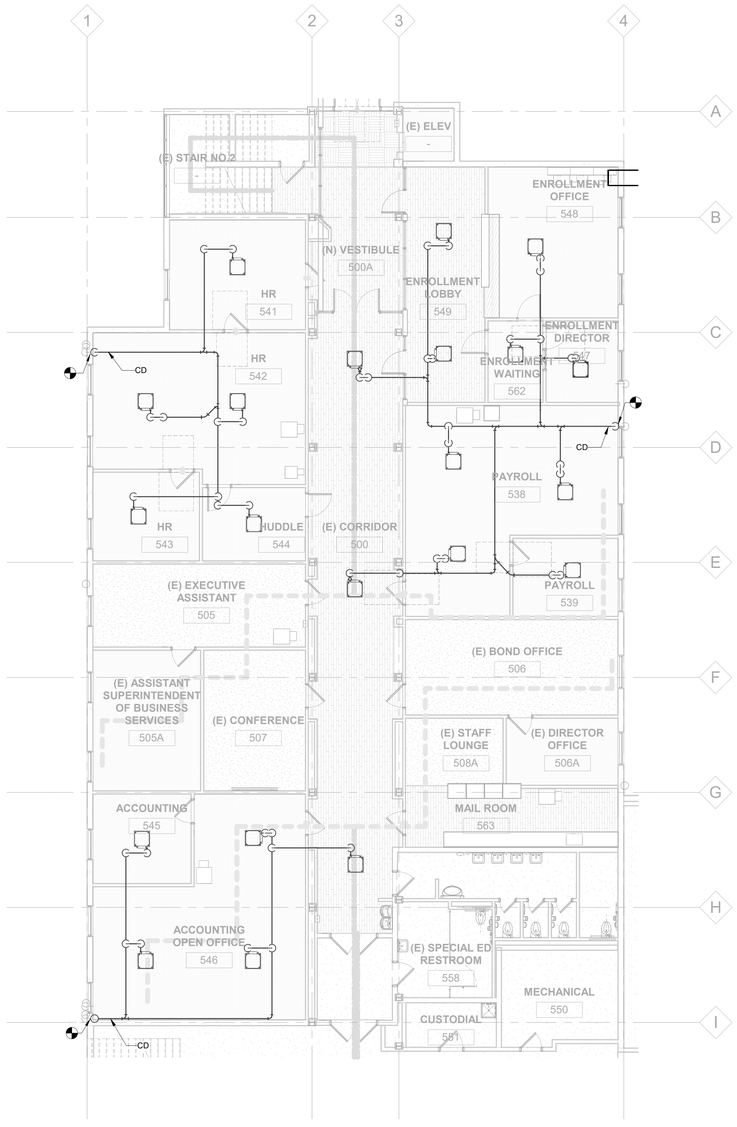
P-001

9/4/2024 7:57:16 AM

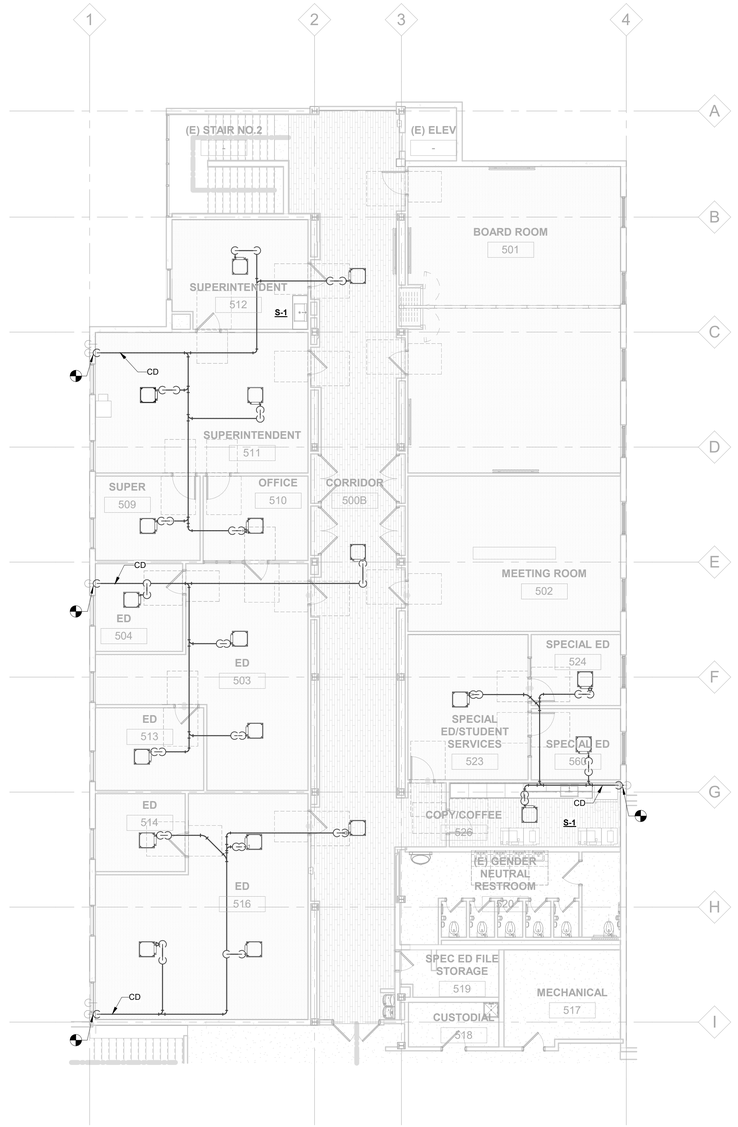
SHEET NOTES:

1 CONNECT CONDENSATE DRAIN PIPING TO (E) CONDENSATE DRAIN PIPING.

2 CONNECT CONDENSATE DRAIN PIPING TO TAILPIECE OF SINK. SEE DETAIL X/PXXX.



1 Plumbing First Floor Plan
1/8" = 1'-0"



2 Plumbing Second Floor Plan
1/8" = 1'-0"

San Rafael City Schools

SAN RAFAEL CITY SCHOOLS

310 Nova Albion Way, San Rafael, CA 94903

SRCS District Office Modernization

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HED

417 Montgomery Street
Suite 400
San Francisco, California
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WWW.HED.DESIGN

Project Number

Plumbing First and Second Floor Proposed Plan

P-200

9/4/2024 7:56:55 AM

MECHANICAL NOTES & SPECIFICATIONS

1. THESE DRAWINGS & NOTES SHALL BE READ IN CONJUNCTION WITH & BE CONSIDERED TO BE PART OF A SEPARATE & COMPLETE MECHANICAL SPECIFICATION.

2. ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF ALL APPLICABLE CODES AND REGULATIONS, INCLUDING:

   2.1. 2022 CALIFORNIA BUILDING CODE (CBC) - CCR TITLE 24 PART 2
   2.2. 2022 CALIFORNIA ELECTRICAL CODE (CEC) - CCR TITLE 24 PART 3
   2.3. 2022 CALIFORNIA MECHANICAL CODE (CMC) - CCR TITLE 24 PART 4
   2.4. 2022 CALIFORNIA PLUMBING CODE (CPC) - CCR TITLE 24 PART 5
   2.5. 2022 CALIFORNIA FIRE CODE (CFC) - CCR TITLE 24 PART 9
   2.6. 2022 CALIFORNIA EXISTING BUILDING CODE - CCR TITLE 24 PART 10
   2.7. 2022 CALIFORNIA GREEN BUILDING (CGB) STANDARD
   2.8. 2022 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS

3. CONTRACTOR SHALL OBTAIN & PAY FOR ALL REQUIRED FEES, PERMITS & INSPECTIONS.

4. COORDINATE ENTIRE INSTALLATION OF THE HVAC SYSTEM(S) WITH THE WORK OF ALL OTHER TRADES PRIOR TO ANY FABRICATION OR INSTALLATION. PROVIDE ALL FITTINGS, OFFSETS, AND TRANSITIONS FOR A COMPLETE AND WORKABLE INSTALLATION. COORDINATE ITEMS TO BE PROVIDED BY OTHER TRADES WHERE MENTIONED IN THE CONTRACT DOCUMENTS PRIOR TO BID - NO EXCEPTIONS. PROVIDE A COMPLETE WORKING SYSTEM PER CONTRACT DOCUMENTS.

5. COORDINATE ALL WORK WITH THE ARCHITECTURAL, STRUCTURAL DRAWINGS AND DRAWINGS OF OTHER TRADES. INSTALL ALL WORK TO CLEAR NEW AND EXISTING ARCHITECTURAL WORK, STRUCTURAL MEMBERS AND WORK OF OTHER TRADES. NO ITEM SUCH AS PIPE, DUCT, ETC. SHALL BE IN CONTACT WITH ANY EQUIPMENT. ANY ERRORS, OMISSIONS, DISCREPANCIES, DEFICIENCIES, OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR, THE ARCHITECT AND THE ENGINEER PRIOR TO PROCEEDING WITH ANY AFFECTED WORK.

6. COORDINATE THE LOCATION OF ALL ROOF OPENINGS & THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT WITH THE STRUCTURAL & ARCHITECTURAL PLANS PRIOR TO ANY FABRICATION & INSTALLATION.

7. PLATFORMS, CURBS, AND FLASHING FOR MECHANICAL EQUIPMENT IS INDICATED ON THE STRUCTURAL AND ARCHITECTURAL PLANS, UNLESS NOTED OTHERWISE. WHERE THERE IS A CONFLICT WITH THE MECHANICAL PLANS, NOTIFY THE ARCHITECT AND ENGINEER PRIOR TO FABRICATION AND INSTALLATION.

8. COORDINATE THE LOCATIONS OF ALL CEILING DIFFUSERS, REGISTERS, AND GRILLES WITH THE ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL LIGHTING LAYOUT, FIRE SPRINKLER SYSTEM, AND ARCHITECTURAL ROOM ELEVATIONS. THE ARCHITECT AND ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY CONFLICTS PRIOR TO FABRICATION AND INSTALLATION.

9. EQUIPMENT, DUCTS, PIPING, & OTHER DEVICES & MATERIALS INSTALLED OUTSIDE OF THE BUILDING OR OTHERWISE EXPOSED TO THE WEATHER SHALL BE COMPLETELY WEATHER PROOFED & PAINTED TO MATCH. COORDINATE WITH ARCHITECT PRIOR TO PAINTING.

10. VERIFY ALL CLEARANCES & AVAILABLE SPACE FOR DUCTWORK PRIOR TO ORDERING AND/OR FABRICATION.

11. DIMENSIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND MUST BE CONFIRMED ON SITE AND/OR PER ARCHITECTURAL DRAWINGS. ANY SCALE NOTATIONS ARE TO BE VERIFIED PRIOR TO ANY TAKE-OFF.

12. PRIOR TO OCCUPANCY THE ENTIRE HVAC SYSTEMS SHALL BE BALANCED BY AN INDEPENDENT AIR BALANCE CONTRACTOR FOR AIR IN ACCORDANCE AND PROCEDURES WITH (AABC) ASSOCIATED AIR BALANCE COUNCIL STANDARDS, (NEBB) NATIONAL ENVIRONMENTAL BALANCING BUREAU , OR (TABB) TESTING ADJUSTING AND BALANCING BUREAU. SYSTEMS SHALL BE BALANCED AS INDICATED ON PLANS INCLUDING OUTSIDE AIR VENTILATION. FINAL BALANCING SHALL BE WITHIN 10% FOR SUPPLY, RETURN AND OUTSIDE AIR QUANTITIES INDICATED. WHERE THERE IS A CONFLICT IN PLANS, NOTIFY THE ENGINEER PRIOR TO BALANCING OF SYSTEM. IF NOT DONE SO THE ENTIRE SYSTEM MUST BE RE-BALANCED DUE TO CONFLICTS ON CONTRACT DOCUMENTS. PROVIDE A COPY OF THE AIR BALANCE REPORT TO THE ENGINEER FOR REVIEW. PROVIDE PROCEDURES AND REPORTING PER CAL GREEN CODES SECTION 5.410.4.3, SECTION 5.410.4.3.1 AND SECTION 5.410.4.4.

13. CONTROLS CONTRACTOR & AIR BALANCE CONTRACTOR TO COORDINATE WORK & PERFORM NECESSARY TASKS TO OBTAIN AIR FLOW QUANTITIES FOR SYSTEMS SHOWN HEREIN.

14. PROVIDE TO BUILDING OWNER, PER CGB SEC. 5.410.4.5, AND CMC SEC 514.0, OPERATING PROCEDURES FOR THE USE, INSPECTION, TESTING, AND MAINTENANCE OF EQUIPMENT MANUAL INCLUDING INSPECTION AND REPORTS.

15. ADHESIVES, SEALANTS AND CAULKING SHALL BE COMPLIANT WITH LOW VOC OR OTHER TOXIC COMPOUND LIMITS SET BY (R) 4.504.2 AND/OR (NR)5.504.4.

16. NONRESIDENTIAL (NR) VOLUNTARY MEASURE: CONTRACTOR TO PROVIDE FLUSH-OUT PER GREEN POINT RATING REQUIREMENTS SECTION A5.504.1.1 & A5.505.1.2 INCLUDING TEMPORARY BLOWER.

17. PROVIDE OPERATING PROCEDURES FOR COOKING EQUIPMENT PER CMC SEC. 514.1.

18. EQUIPMENT, ACCESSORIES AND RELATED PIPING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES, AND OTHER DEVICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.

19. MAINTENANCE LABEL SHALL BE AFFIXED TO ALL MECHANICAL EQUIPMENT AND A MAINTENANCE MANUAL SHALL BE PROVIDED FOR THE OWNER'S USE. LABEL SHALL IDENTIFY THE UNIT DESIGNATION PER PLANS AND THE SPACE IT SERVES.

   19.1. EQUIPMENT: 4-1/2"X1-1/2" ENGRAVED PLASTIC-LAMINATED SIGN WITH 1/2" WHITE LETTERS ON BLACK BACKGROUND.
   19.2. PIPING: SELF-STICKING PIPE MARKERS CONSISTING OF PIPE SERVICE WORDING AND ARROW INDICATING DIRECTION OF FLOW ON ANSI COLOR BACKGROUND. MAXIMUM SPACING OF 50 FEET APART. SECURE MARKER WITH 2-1/4" WIDE SELF-STICKING CLEAR TAPE AROUND PERIPHERY OF MARKER.

20. PROVIDE MANUAL VOLUME DAMPERS AND BACKDRAFT DAMPERS FOR OUTSIDE AIR INTAKES ON ALL AIR HANDLING EQUIPMENT AND EXHAUST FANS SERVING CONDITIONED SPACES. EXCEPTION: EQUIPMENT WITH FACTORY AIR ECONOMIZERS.

21. OUTSIDE AIR INTAKES SHALL MEET AS A MINIMUM CODE REQUIRED CLEARANCES FROM EXHAUST, FLUE, FUEL BURNING APPLIANCES AND PLUMBING VENT OUTLETS. FOR GAS/ELECTRIC AIR CONDITIONING UNITS WHERE THE CODE REQUIRED CLEARANCES ARE NOT MET, A FACTORY FLUE GAS DEFLECTOR AND EXTENSION SHALL BE USED TO MINIMIZE THESE CLEARANCES.

22. ALL HVAC EQUIPMENT SERVING NORMALLY OCCUPIED SPACES HAVING OVER 10' OF DUCT SHALL HAVE MINIMUM MERV13 FILTERS UNLESS OTHERWISE NOTED. DOES NOT INCLUDE EXHAUST SYSTEMS.

23. AIR FILTERS SHALL BE STATE FIRE MARSHALL APPROVED & LISTED, PREFORMED FILTERS HAVING COMBUSTIBLE FRAMING SHALL BE TESTED AS A COMPLETE ASSEMBLY. INSTALLED FILTERS SHALL BE CLEARLY LABELED BY THE MANUFACTURER INDICATING THE MERV RATING, & THE FILTER SPECIFICATION SHALL BE INCLUDED IN THE OPERATION & MAINTENANCE MANUAL. AIR FILTERS SHALL BE ACCESSIBLE FOR CLEANING OR REPLACEMENT.

24. EQUIPMENT WITH MOVING PARTS, FIXED OR FLEXIBLY MOUNTED, SHALL BE PROVIDED WITH FLEXIBLE DUCT & PIPE CONNECTIONS & SHALL BE BRACED OR ANCHORED.

25. HVAC EQUIPMENT SHALL BE CERTIFIED BY THE CALIFORNIA ENERGY COMMISSION TO COMPLY WITH THE LATEST EFFICIENCY STANDARDS.

26. AC UNITS PROVIDED WITH ECONOMIZER CYCLE DAMPERS SHALL HAVE DAMPERS SET UP TO CLOSE AUTOMATICALLY ON FAN SHUTDOWN. DAMPERS SHALL NOT USE LINKAGE ARRANGEMENT BUT RATHER DIRECT DRIVE ACTUATORS.

27. AIR HANDLING EQUIPMENT SERVING CONDITIONED SPACES SHALL PROVIDE CONTINUOUS OUTSIDE AIR TO SPACES IN OCCUPIED MODE. CONTROLS SHALL BE PROVIDED TO PROVIDE THE MINIMUM RATE OF OUTDOOR AIR REQUIRED BY THE STATE ENERGY REGULATIONS.

28. CONTRACTOR TO SUBMIT ALL EQUIPMENT, DUCTWORK, AIR DISTRIBUTION DEVICES, & OTHER ACCESSORIES TO THE ENGINEER FOR APPROVAL PRIOR TO ANY ORDERING OF SUCH ITEMS.

29. CONTROL AND POWER WIRING DIAGRAMS DETAILS ARE DIAGRAMMATIC ONLY. REFER TO ELECTRICAL DRAWING FOR PROPER POWER WIRING DIAGRAM. SUBMIT CONTROL DRAWINGS FOR APPROVAL. IT IS THE CONTRACTORS RESPONSIBILITY TO OBTAIN CONTROL DRAWINGS FROM UNIT MANUFACTURERS FOR PROPER WIRING AND OPERATION TO COMPLY WITH CONTROL SEQUENCE.

30. LINE VOLTAGE WIRING SHALL BE INSTALLED IN CONDUIT. ALL LINE VOLTAGE CONDUIT AND WIRING, INCLUDING FINAL CONNECTIONS, SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR AS INDICATED ON THE ELECTRICAL DRAWINGS OR SPECIFIED IN THE ELECTRICAL SECTION OF THE SPECIFICATIONS. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS OF GOVERNING BODIES HAVING JURISDICTION THEREOF.

31. LOW VOLTAGE CONDUIT & WIRING AS APPLICABLE, INCLUDING FINAL CONNECTIONS, SHALL BE FURNISHED & INSTALLED BY THE MECHANICAL CONTRACTOR AS INDICATED ON THE MECHANICAL DRAWINGS OR SPECIFIED IN THE MECHANICAL SECTION OF THE SPECIFICATIONS.

32. LOW VOLTAGE WIRING SHALL BE IN CONDUIT. PLENUM RATED WIRING INSTALLED IN CEILING SPACE, WHEN APPROVED BY SCHOOL DISTRICT, IS ACCEPTABLE.

33. ELECTRICAL CONTRACTOR TO PROVIDE REQUIRED RELAY ACCESSORIES FOR CONNECTION OF 120V/1Ø VENTILATION EQUIPMENT TO 277V/1Ø LIGHTING AS APPLICABLE.

34. NOTE USED

35. THERMOSTATS SHALL HAVE LOCKABLE COVERS (WHERE INDICATED ON PLANS) & SHALL BE OF THE ELECTRONIC, PROGRAMMABLE, AUTOMATIC CHANGEOVER TYPE TO SEQUENCE HEATING OR COOLING. SET POINT RANGE SHALL BE 10F° BETWEEN FULL HEATING & COOLING. THEY SHALL HAVE CAPABILITY OF TERMINATING ALL HEATING AT A TEMPERATURE NO MORE THAN 70°F. & COOLING AT A TEMPERATURE NOT LESS 78°F. ADJUSTABLE TEMPERATURE DIFFERENTIAL SHALL BE 1 SHALL BE FROM 55°F TO 85°F. MOUNT TOP OF BOX AT NO MORE THAN 42 INCHES ABOVE FLOOR TO MEET LOCAL ADA REQUIREMENT. IN ADDITION, THERMOSTAT(S) SHALL HAVE THE CAPABILITY TO CONNECT & RESPOND TO AN OCCUPANT CONTROLLED DEMAND RESPONSE SIGNAL OR PROVIDE SIGNAL FOR RESETTING OF ROOM SETPOINTS.

36. THERMOSTATS THAT ARE PART OF AN ENERGY MANAGEMENT SYSTEM SHALL FOLLOW CONTROL SPECIFICATIONS AND DRAWING REQUIREMENTS.

37. LINE VOLTAGE THERMOSTATS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

38. AT THE TIME OF ROUGH INSPECTION & DURING STORAGE ON THE CONSTRUCTION SITE & UNTIL FINAL STARTUP OF THE HEATING, COOLING & VENTILATION EQUIPMENT, ALL DUCT & OTHER RELATED AIR DISTRIBUTION COMPONENTS, OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS TO REDUCE THE AMOUNT OF DEBRIS WHICH MAY COLLECT IN THE SYSTEM. PROVIDE POLLUTANT CONTROL PER CAL GREEN 2019 CODES SECTION 5.504.1-4 FOR TEMPORARY VENTILATION, COVERING OF DUCT OPENINGS & PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION, & USE OF LOW VOC SEALANTS

39. ALL SUPPLY, RETURN AND EXHAUST DUCT JOINTS SHALL BE SEALED PER CMC CHAPTER 6 REQUIREMENTS. SEAL CLASS A.

40. DUCTWORK CONSTRUCTION SHALL MEET THE FOLLOWING SYSTEM PRESSURE REQUIREMENTS:
    40.1. ALL OTHER DUCTWORK - 2 INCH WATER COLUMN

41. DUCTWORK CONSTRUCTION SHALL BE INSTALLED & SEALED TO MEET THE REQUIREMENTS OF CMC SECS 601.0, 602.0, 603.0, 605.0; & ANSI, SMACNA HVAC DUCT CONSTRUCTION STANDARDS METAL & FLEXIBLE. DUCTWORK & ACCESSORIES WILL BE INSTALLED IN ACCORDANCE WITH NFPA 90A, NFPA 90B, ASHRAE HANDBOOK, & SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL & FLEXIBLE, UL 181 CERTIFIED & THE CMC & THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS AS APPLICABLE. MOUNTING & SUPPORTING OF EQUIPMENT, DUCTS, ACCESSORIES, & APPURTENANCES SHALL BE PROVIDED, INCLUDING STRUCTURAL SUPPORTS, HANGERS, STANDS, CLAMPS & BRACKETS. NEW RECTANGULAR DUCTWORK SHALL BE SHEET METAL CONSTRUCTED OR SPIRAL ROUND.

42. WHERE OPENINGS HAVE BEEN MADE IN WALLS, FLOORS, OR CEILINGS FOR THE PASSAGE OF DUCTWORK OR PIPES, SUCH OPENINGS SHALL BE CLOSED AND PROTECTED BY THE INSTALLATION OF APPROVED METAL COLLARS SECURELY FASTENED TO THE ADJOINING STRUCTURE, ALL IN ACCORDANCE WITH CMC 316.11.

43. ALL FLEXIBLE DUCT SHALL NOT EXCEED FIVE FEET IN LENGTH TO RESPECTIVE DIFFUSERS, GRILLES, OR OTHER AIR DEVICES. FLEX DUCT SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS PER CMC SEC. 603.4.1. FLEXIBLE DUCT MAY BE USED AS AN ELBOW AT A TERMINAL DEVICE USING 'FLEX RIGHT' FOR SIZES 4" TO 16".

44. LIMIT USE OF PERMANENT HVAC SYSTEMS DURING CONSTRUCTION TO CONDITIONING NECESSARY FOR MATERIAL & EQUIPMENT INSTALLATION. IF PERMANENT HVAC IS USED DURING CONSTRUCTION, INSTALL MERV-8 FILTERS ON RETURNS, & REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY, OR, IF THE BUILDING IS OCCUPIED DURING ALTERATION, AT THE CONCLUSION OF CONSTRUCTION.

45. PROVIDE SEISMIC RESTRAINTS TO ALL DUCTWORK, PIPE, AND EQUIPMENT SUPPORTS IN ACCORDANCE WITH THE OSHPD (HCAI) PRE-APPROVED OPM# FOR SEISMIC RESTRAINT OF MECHANICAL SYSTEMS. SUSPENDED EQUIPMENT SHALL BE PROVIDED WITH SEISMIC ANCHORAGE AND ISOLATION SUPPORTS.

46. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OR THE FIELD REPRESENTATIVE OF THE DIVISION OF THE STATE ARCHITECT.

47. RECTANGULAR DUCT TURNS IN SUPPLY, RETURN, AND EXHAUST DUCTS SHALL HAVE TURNING VANES UNLESS OTHERWISE NOTED, OR SHALL HAVE A INNER RADIUS TURN OF NO LESS THAN THE WIDTH OF THE DUCT.

48. DUCTWORK HANDLING CONDITIONED AIR SHALL BE INSULATED OR LINED TO MEET CMC 605. INTERIOR DUCTWORK SHALL BE INSULATED WITH A NON-FIBROUS MATERIAL, R=4.2. ALL SUPPLY AND RETURN DUCTWORK EXPOSED TO WEATHER OR IN UNCONDITIONED SPACE SHALL BE INTERNALLY LINED WITH 2" THICK DUCT (R-8.0) LINER UNLESS OTHERWISE INDICATED OR SPECIFIED. ALL DUCT SIZES INDICATED ON PLANS ARE NET INSIDE DIMENSIONS. ALL INSULATION SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE DENSITY NOT EXCEEDING 50. ALL DUCT INSULATION SHALL COMPLY WITH 2022 BEES SECTION 120.4(A).

49. MANUAL VOLUME DAMPERS SHALL BE PROVIDED IN ALL DUCT BRANCHES TO INDIVIDUAL DIFFUSERS, GRILLES, AND REGISTERS, AS WELL AS OUTSIDE AIR INTAKE DUCTS. DAMPERS SHALL BE LOCATED AT THE BRANCH DUCT LOCATIONS. COORDINATE LOCATIONS OF DAMPERS WITH THE AIR BALANCING CONTRACTOR PRIOR TO BID, SO AS TO ENSURE ACCESSIBILITY AFTER INSTALLATION. IN LOCATIONS WHERE THESE DAMPERS ARE INACCESSIBLE, CABLE OPERATED ADJUSTMENT CONTROLS SHALL BE PROVIDED AT NO ADDITIONAL COST. OPPOSED BLADE DAMPERS SHALL NOT BE PERMITTED UNLESS OTHERWISE NOTED.

50. FOR AIR MOVING EQUIPMENT HAVING MORE THAN 2000 CFM SHALL HAVE DUCT SMOKE DETECTOR, BUT ARE NOT REQUIRED PER 2022 CMC 609.0 EXCEPTION WHERE ALL AREAS SERVED BY SAID EQUIPMENT HAS DIRECT EGRESS WITHIN 100 FEET.

51. FOR INACCESSIBLE AREAS PROVIDE ACCESS PANELS FOR ALL DAMPERS, EQUIPMENT, SMOKE DETECTORS, & CONTROL DEVICES. THESE PANELS SHALL MATCH THE RATING OF THE WALL AND/OR CEILING THAT THEY ARE LOCATED IN. MINIMUM ACCESS PANEL SIZES SHALL BE 12"x12" FOR HAND ACCESS & 30"x30" MINIMUM FOR BODY ACCESS. WHERE A LARGER ACCESS PANEL IS REQUIRED DUE TO INSTALLATION CONSTRAINTS OR EQUIPMENT SIZE, DO SO AT NO ADDITIONAL COST & SHALL OBTAIN PRIOR APPROVAL FROM THE ARCHITECT, ENGINEER & DSA.

52. REMOVE ALL LEFT OVER DUCTWORK SCRAPS, ETC. (IF ANY) AND LEAVE PREMISES CLEAN AND FREE OF ANY TRASH OR DEBRIS DUE TO THEIR WORK.

53. INSULATED PIPES SHALL CONFORM TO 2022 BUILDING ENERGY EFFICIENCY STANDARDS SECTION 120.3, TABLE 120.3-A. INSULATED PIPE EXPOSED TO WEATHER SHALL BE COVERED WITH E-FLEX GUARD MANUFACTURED BY AIREX MFGR INC.

54. DUCTS & PIPES THAT PASS THROUGH BUILDING EXPANSION JOINTS SHALL INCORPORATE A FLEXIBLE CROSS OVER. FOR DUCTS THAT SHALL CONSIST OF A MINIMUM OF 6-8" LONG FLEX CONNECTOR EXTENDING THROUGH THE FULL SEISMIC JOINT. FOR PIPING A FLEXIBLE JOINT EITHER AS MANUFACTURED BY METRAFLEX (OR EQUAL) OR A FLEXIBLE PIPE JOINT OF SUFFICIENT LENGTH & NUMBER OF ELBOWS (4 MIN) TO ALLEVIATE STRESS ON PIPE TO ACCOMMODATE DIFFERENTIAL BUILDING SEPARATION.

55. MECHANICAL EQUIPMENT MOUNTED ON ROOF SHALL BE LOCATED ON A WELL DRAINED SURFACE OF THE ROOF. AT LEAST 6 FEET OF CLEARANCE SHALL BE AVAILABLE BETWEEN ANY PART OF THE EQUIPMENT & THE EDGE OF A ROOF OR SIMILAR HAZARD; OR RIGIDLY FIXED RAILS, GUARDS, PARAPETS, OR OTHER BUILDING STRUCTURES AT LEAST 42 INCHES IN HEIGHT SHALL BE PROVIDED ON THE EXPOSED SIDE.

56. MECHANICAL, LIGHTING CONTROL, ENVELOPE AND PROCESS EQUIPMENT REQUIRING ACCEPTANCE TESTING SHALL BE PROVIDED BY CERTIFIED TECHNICIANS. SEE SHEET MECHANICAL TITLE 24 SHEETS FOR MECHANICAL ACCEPTANCE TESTING REQUIREMENT.

57. DUCT SIZE INDICATED ON PLANS ARE THE INSIDE DIMENSION

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

Piping, ductwork, and electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASCE 7-16 Section 13.3 as defined in ASCE 7-16 Sections 13.6.5, 13.6.6, 13.6.7, 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 bracing and attachments are based on a pre-approved installation guide (e.g., HCAI OPM for 2013 CBC or later), copies of the bracing system installation guide or manual shall be available on the jobsite prior to the start of and during the hanging and bracing of the distribution systems. The Structural Engineer of Record shall verify the adequacy of the structure to support the hanger and brace loads.

Mechanical Piping (MP), Mechanical Ducts (MD), Plumbing Piping (PP), Electrical Distribution Systems (E):

MP[x] MD[x] PP[ ] E[ ] Option 1: Detailed on the approved drawings and project specific notes and details.

MP[ ] MD[ ] PP[ ] E[ ] Option 2: Shall comply with the HCAI Preapproval (OPM#);(I.E. OPM 0052-13 B-Line, OPM#-0043-13 Mason Industries Inc., and OPM#-0203-13 M.W. Sausse & Co. Inc.).

M/E/P 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 2022 CBC, Sections 1617A.1.18 through 1617A.1.26 and ASCE 7-16 Chapters 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 pounds or has a center of mass located 4 feet or more above the adjacent floor or roof level that directly support the component are required to be restrained in a 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 flexible connections provided between the component and associated ductwork, piping, and conduit. Flexible connections must allow movement in both transfers and longitudinal directions:

A. Components weighing less than 400 pounds and have 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 distributed 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 of the design professional in general responsible charge or structural engineer delegated responsibility and acceptance by DSA. The project inspector will verify that all components and equipment have been anchored in accordance with the above requirements.

MECHANICAL LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	AFF	ABOVE FINISHED FLOOR
	AL	ACOUSTICALLY LINED
	AP	ACCESS PANEL
	OA	OUTSIDE AIR
	RA	RETURN AIR
	SA	SUPPLY AIR
	TA	TRANSFER AIR
	BOD	BOTTOM OF DUCT
	CFM	CUBIC FEET PER MINUTE
○—	BDD	DAMPER: BACKDRAFT
	FD	DAMPER: FIRE
	FSD	DAMPER: FIRE/SMOKE
—╫—	MVD	DAMPER: MANUAL VOLUME
	□	DIAMETER
	DN	DOWN
	DS	DISCONNECT SWITCH
Ⓢ—	DSD	DUCT SMOKE DETECTOR
	EER	ENERGY EFFICIENCY RATIO
	(E)	EXISTING
	F	FAN
	FLA	FULL LOAD AMPS
	HP	HORSEPOWER
	MCA	MINIMUM CIRCUIT AMPACITY
	MOP	MAXIMUM OVERCURRENT PROTECTION
	MS	MOTOR STARTER
	RL	REFRIGERANT LIQUID
	RS	REFRIGERANT SUCTION
	P.E.	POWER EXHAUST
	SEER	SEASONAL EER
	SAD	SEE ARCHITECTURAL DRAWING
	SSD	SEE STRUCTURAL DRAWING
Ⓢ		REMOTE SENSOR: TEMPERATURE
Ⓒ		REMOTE SENSOR: CARBON DIOXIDE
Ⓣ		THERMOSTAT @ +48" A.F.F
	TYP	TYPICAL
	UON	UNLESS OTHERWISE NOTED
	WT	WEIGHT
	24x12	RECTANGULAR DUCT - INCHES
	12"	ROUND DUCT - INCHES
- - - - -		WIRING AND CONDUIT BY ELECTRICAL CONTRACTOR.
———		CONDUIT, WIRING AND FINAL CONNECTION BY MECHANICAL OR CONTROL CONTRACTOR.
Ⓔ		FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
Ⓜ		FURNISHED AND INSTALLED BY MECHANICAL OR CONTROL CONTRACTOR

SUBSTITUTION OF MATERIALS

1	EQUALS: THE DESIGN HAS BEEN BASED ON THE MANUFACTURER'S NAME AND PRODUCT LISTED ON THE DRAWINGS. OTHER MANUFACTURER'S NAMES LISTED IN THE SPECIFICATIONS MAY BE SELECTED AND CONSIDERED 'AS EQUAL' FOR QUALITY ONLY, HOWEVER, THEY MUST MATCH THE PERFORMANCE, CONSTRUCTION, FIT AND FEATURES OF THOSE SELECTED FOR DESIGN. THE ACCEPTANCE OF THESE DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR PROVIDING THE REQUIRED MATERIALS AND PROVIDING A WORKABLE SYSTEM. THOSE ITEMS NOTED AS 'NO SUBSTITUTIONS' SHALL BE FURNISHED WHEN SPECIFIED.
2	TO SUBSTITUTE EQUIPMENT OR MATERIAL OTHER THAN THOSE CONSIDERED FOR THE BASIS OF DESIGN, SUBMIT INFORMATION AS CALLED FOR IN THE 'REQUEST FOR SUBSTITUTION' SPECIFICATIONS, AND SUBMIT REQUIRED INFORMATION FOR BOTH THE SPECIFIED OR SCHEDULED ITEM AND THE SUBSTITUTE ITEM. THESE SUBMITTALS MUST SHOW THAT BOTH THE SPECIFIED AND THE SUBSTITUTE MATERIAL MATCH IN QUALITY, PERFORMANCE, CONSTRUCTION, FIT AND FEATURES OF THOSE SELECTED FOR DESIGN. ANY EQUIPMENT OR MATERIAL SUBMITTED FOR SUBSTITUTION WITHOUT THE COMPARISON INFORMATION WILL NOT BE REVIEWED OR ACCEPTABLE.
3	LIABILITY OF SUBSTITUTIONS: PERFORMANCE OF SUBSTITUTIONS MUST BE EQUAL TO THE ITEM SPECIFIED. SHOULD THE SUBSTITUTED ITEM FAIL TO PERFORM ACCORDING TO SPECIFICATIONS, REPLACE WITH THE ORIGINALLY SPECIFIED ITEM WITHOUT EXTRA COMPENSATION ON REQUEST OF THE ARCHITECT ANY TIME WITHIN THE GUARANTEE PERIOD.

SAN RAFAEL CITY SCHOOLS

San Rafael City Schools

310 Nova Albion Way, San Rafael, CA 94903

SRCS District Office Modernization

310 Nova Albion Way, San Rafael, CA 94903

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REGISTERED PROFESSIONAL ENGINEER — JOHN CHOU — No. M38414 — MECHANICAL — STATE OF CALIFORNIA

Project Number

Mechanical Notes and Legends

M-001

9/4/2024 7:56:55 AM

DUCTLESS SPLIT FAN COIL & HEAT PUMP SCHEDULE

INDOOR UNIT								EXISTING OUTDOOR UNIT									
TAG	AREA SERVES	"MITSUBISHI" MODEL	MCA	ELECT (V/ϕ/HZ)	AIRFLOW (CFM)	OPER WEIGHT (LBS)	ANCHORAGE DETAIL (DETAIL #/SHEET #)	TAG	"MITSUBISHI" MODEL	MCA / MOP	ELECT (V/ϕ/HZ)	OPER WEIGHT (LBS)	RATED COOLING CAPACITY KBTU/H	RATED HEATING CAPACITY KBTU/H	SEER2 / EER2	HSPF2	ANCHORAGE DETAIL (DETAIL #/SHEET #)
FC-4.1	SUPERINTENDENT 512	SLZ-KF18NA1	1	208/1/60	300 - 475	31	3 / M003	HP-4	MXZ-5C42NA4	32.5 / 40	208/1/60	189	40	45	19.7 / 9.2	9.2	2 / M003
FC-4.2	HR 541	SLZ-KF18NA1	1	208/1/60	300 - 475	31											
FC-5.1, 5.2	SUPERINTENDENT 511	SLZ-KF12NA1	1	208/1/60	230 - 335	31	3 / M003	HP-5	MXZ-5C42NA4	32.5 / 40	208/1/60	189	40	45	19.7 / 9.2	9.2	2 / M003
FC-5.3	OFFICE 510	SLZ-KF09NA1	1	208/1/60	230 - 300	31											
FC-5.4	SUPER 509	SLZ-KF09NA1	0.3	208/1/60	230	31											
FC-6.1, 6.2	ED 503	SLZ-KF12NA1	1	208/1/60	230 - 335	31	3 / M003	HP-6	MXZ-5C42NA4	32.5 / 40	208/1/60	189	40	45	19.7 / 9.2	9.2	2 / M003
FC-6.3	ED 504	SLZ-KF09NA1	1	208/1/60	230 - 300	31											
FC-6.4	ED 513	SLZ-KF09NA1	1	208/1/60	230 - 300	31											
FC-7.1 - 7.3	ED 516	SLZ-KF12NA1	1	208/1/60	230 - 335	31	3 / M003	HP-7	MXZ-5C42NA4	32.5 / 40	208/1/60	189	40	45	19.7 / 9.2	9.2	2 / M003
FC-7.4	ED 514	SLZ-KF09NA1	1	208/1/60	230 - 300	31											
FC-8.1	SPECIAL ED 523	SLZ-KF18NA1	1	208/1/60	300 - 475	31	3 / M003	HP-8	MXZ-5C42NA4	32.5 / 40	208/1/60	189	40	45	19.7 / 9.2	9.2	2 / M003
FC-8.2	SPECIAL ED 524	SLZ-KF09NA1	1	208/1/60	230 - 300	31											
FC-8.3	SPECIAL ED 560	SLZ-KF09NA1	1	208/1/60	230 - 300	31											
FC-8.4	COPY/COFFEE	SLZ-KF12NA1	1	208/1/60	230 - 335	31											
FC-9.1	SECOND FLR CORRIDOR	SLZ-KF18NA1	1	208/1/60	300 - 475	31	3 / M003	HP-9	MXZ-5C42NA4	32.5 / 40	208/1/60	189	40	45	19.7 / 9.2	9.2	2 / M003
FC-9.2, 9.3	SECOND FLR CORRIDOR	SLZ-KF15NA1	1	208/1/60	245 - 405	31											
FC-10.1, 10.2	HR 542	SLZ-KF12NA1	1	208/1/60	230 - 335	31	3 / M003	HP-10	MXZ-5C42NA4	32.5 / 40	208/1/60	189	40	45	19.7 / 9.2	9.2	2 / M003
FC-10.3	HR 543	SLZ-KF09NA1	1	208/1/60	230 - 300	31											
FC-10.4	HUDDLE 544	SLZ-KF09NA1	1	208/1/60	230 - 300	31											
FC-11.1 - 11.3	ACCT OFFICE 546	SLZ-KF12NA1	1	208/1/60	230 - 335	31	3 / M003	HP-11	MXZ-5C42NA4	32.5 / 40	208/1/60	189	40	45	19.7 / 9.2	9.2	2 / M003
FC-11.4	ACCT 545	SLZ-KF09NA1	1	208/1/60	230 - 300	31											
FC-12.1 - 12.3	PAYROLL 538	SLZ-KF12NA1	1	208/1/60	230 - 335	31	3 / M003	HP-12	MXZ-5C42NA4	32.5 / 40	208/1/60	189	40	45	19.7 / 9.2	9.2	2 / M003
FC-12.4	PAYROLL 539	SLZ-KF09NA1	1	208/1/60	230 - 300	31											
FC-13.1 - 13.3	ENROLLMENT LOBBY 549 /OFFICE 548	SLZ-KF12NA1	1	208/1/60	230 - 335	31	3 / M003	HP-13	MXZ-5C42NA4	32.5 / 40	208/1/60	189	40	45	19.7 / 9.2	9.2	2 / M003
FC-13.4	ENROLLMENT WAITING 562	SLZ-KF09NA1	1	208/1/60	230 - 300	31											
FC-13.5	ENROLLMENT DIRECTION 547	SLZ-KF09NA1	1	208/1/60	230 - 300	31											
FC-14.1	FIRST FLR CORRIDOR	SLZ-KF18NA1	1	208/1/60	300 - 475	31	3 / M003	HP-14	MXZ-5C42NA4	32.5 / 40	208/1/60	189	40	45	19.7 / 9.2	9.2	2 / M003
FC-14.2, 14.3	FIRST FLR CORRIDOR	SLZ-KF15NA1	1	208/1/60	245 - 405	31											

ACCESSORIES:
IS - 3-POLE ISOLATION SWITCH MOUNTED NEXT TO FAN COIL UNIT
LC - L-CONNECTOR PIPE
LS - RECTORSEAL SLIM DUCT LINESET COVER AND WALL CAP FOR REFRIGERANT PIPING EXPOSED TO WEATHER AND IN SPACES.
24V - BACNET INTERFACE FOR CONNECTION TO ALERTON NETWORK (SEE DETAIL XXXX)

NOTE:
1. INDOOR UNIT POWERED BY OUTDOOR UNIT

FANS

TAG	MANUF.	AREA SERVED	MODEL	AIRFLOW (CFM)	ESP ("WC)	RPM	HP/(WATT)	VOLTS/PH	SOUND POWER (dBA)	WEIGHT (LBS)	REMARKS	REF. DETAIL
EF-1	GREENHECK	COPY/COFFEE	SP-B150	100	0.375	750	(128)	120 / 1	35	12	CONTROL BY FAN WALL SWITCH	--

ACCESSORIES:
1. PROVIDE ALL FANS WITH BACKDRAFT DAMPER, SPEED CONTROLLER, AND ISOLATION DISCONNECT SWITCH
2. PROVIDE WALL CAP MODEL WC-06

AIR DISTRIBUTION

STYLE	MFR	MODEL NO	APPLICATION	DESCRIPTION	INSTALLATION NOTES
A	TITUS	TDC	T-BAR CEILING SUPPLY DIFFUSER	LOUVERED FACE, ROUND NECK, 4 WAY (U.O.N), WHITE FINISH	WITH SEISMIC CLIP

CEILING DIFFUSER: 1224 (FACE) / 300A (TYPE) / NECK / CFM

SIDEWALL REGISTER: 12X24 (FACE) / 300A (TYPE) / NECK / CFM

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REGISTERED PROFESSIONAL ENGINEER JOHN KACH No. M24214 MECHANICAL STATE OF CALIFORNIA

Project Number

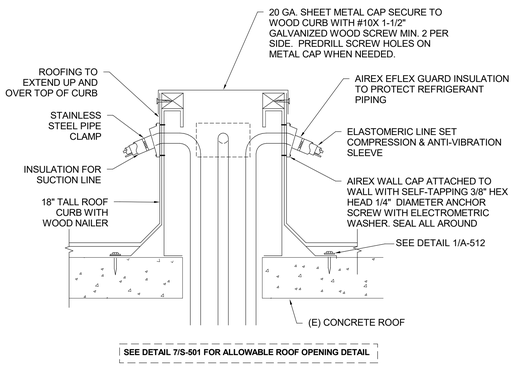
Mechanical Schedules

M-002

9/4/2024 7:56:55 AM

SPLIT SYSTEM DIAGRAM

SCALE: N.T.S | 8

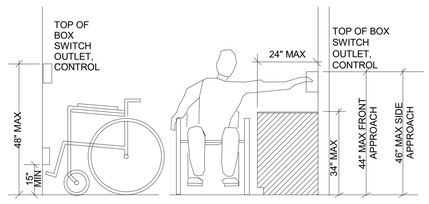


SEE DETAIL 7/S-501 FOR ALLOWABLE ROOF OPENING DETAIL

PIPE THRU ROOF DETAIL

SCALE: N.T.S | 5

NOTES:
ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF THE RECEPTACLE OUTLET BOX NOR LESS THAN 15 INCHES MEASURED FROM THE BOTTOM OF THE RECEPTACLE OUTLET BOX TO THE LEVEL OF THE FINISHED FLOOR OR WORKING PLATFORM. IF THE REACH IS OVER A PHYSICAL BARRIER OR AN OBSTRUCTION (FOR EXAMPLE, A KITCHEN BASE CABINET), RECEPTACLES SHALL BE LOCATED WITHIN THE REACH RANGES SPECIFIED IN SECTION 1138A.3. PHYSICAL BARRIERS AND OBSTRUCTIONS SHALL NOT EXTEND MORE THAN 25 INCHES FROM THE WALL BENEATH THE RECEPTACLE. 2016 CBC §1136A.1 (2016 CBC §11B-308.11 & 11B-308.1.2).



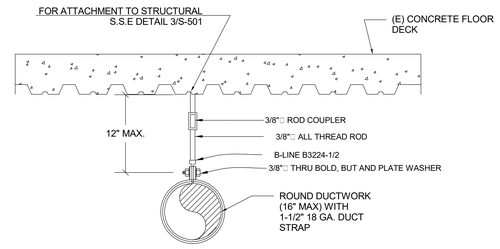
CONTROL DEVICE ADA MOUNTING HT.

SCALE: N.T.S | 6

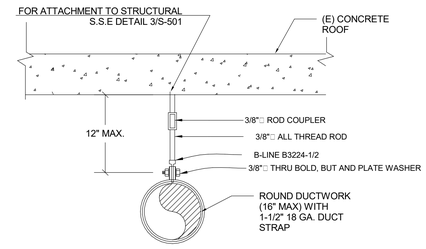
NOTES:
INSTALLATION SHALL COMPLY W/ LATEST SMACNA STANDARDS. SUBMIT SHOP DRAWINGS FOR MOUNTING TO ENGINEER. ALTERNATE INSTALLATIONS SHALL BE APPROVED BY ENGINEER.

SEISMIC RESTRAINT FOR DUCTWORK IS NOT REQUIRE PER CBC 1617A.A.25 SECTION 13.6.6 EXCEPTION 1B.

MAXIMUM SUPPORT SPACING OF 8'



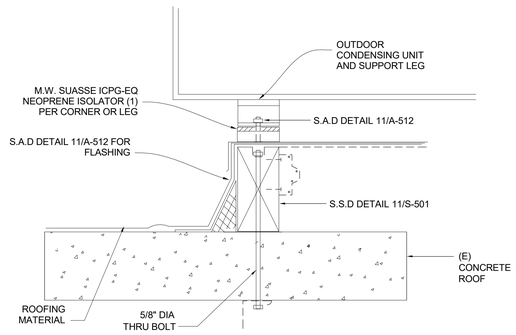
1ST FLOOR SUPPORT FROM FLOOR ASSEMBLY BETWEEN 2ND AND 1ST FLOOR

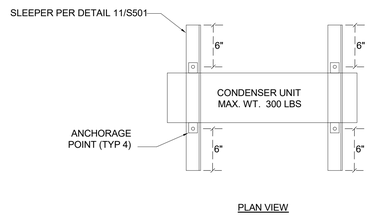


2ND FLOOR SUPPORT FROM ROOF

DUCT SUPPORT

SCALE: N.T.S | 8

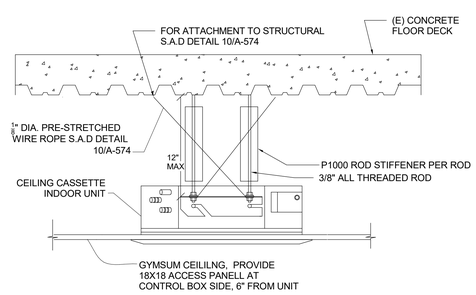




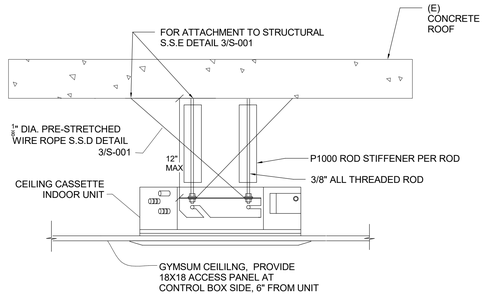
PLAN VIEW

ROOF MOUNT CONDENSER DETAIL

SCALE: N.T.S | 2



1ST FLOOR SUPPORT FROM FLOOR ASSEMBLY BETWEEN 2ND AND 1ST FLOOR



2ND FLOOR SUPPORT FROM ROOF

CEILING MOUNT FAN COIL DETAIL

SCALE: N.T.S | 4

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San Francisco, California
94104 USA
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REGISTERED PROFESSIONAL ENGINEER JOHN CHOU No. M38214 MECHANICAL STATE OF CALIFORNIA

Project Number

Mechanical Details

M-003

9/4/2024 7:56:55 AM

SAN RAFAEL CITY SCHOOLS

San Rafael City Schools

310 Nova Albion Way, San Rafael, CA 94903

SRCS District Office Modernization

310 Nova Albion Way, San Rafael, CA 94903

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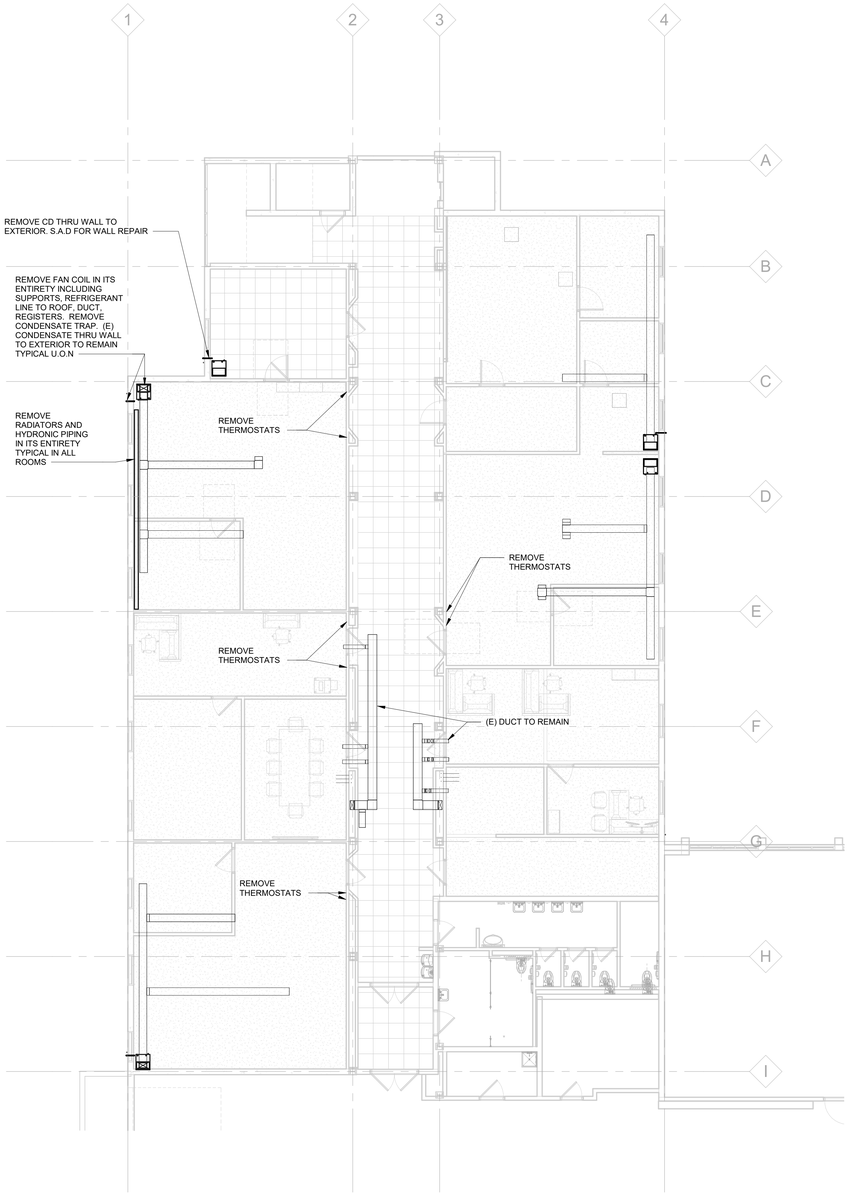
REGISTERED PROFESSIONAL ENGINEER
JOHN CADIZ
No. M28216
MECHANICAL
STATE OF CALIFORNIA

Project Number

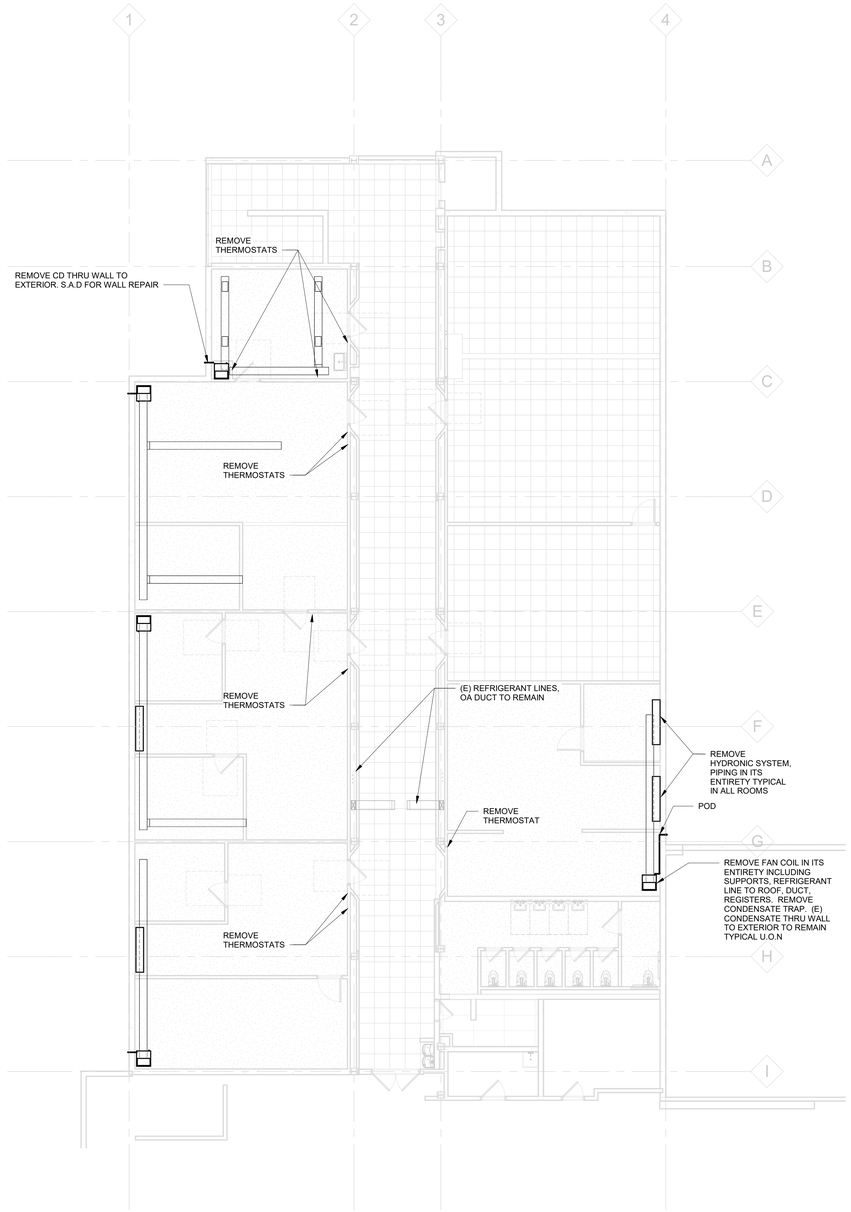
Mechanical Controls

M-004

9/4/2024 7:57:00 AM

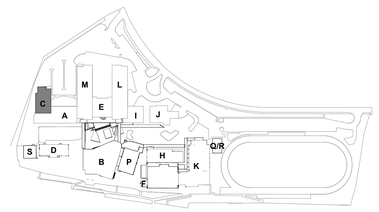


1 Mechanical First Floor Demo Plan
1/8" = 1'-0"



2 Mechanical Second Floor Demo Plan
1/8" = 1'-0"

KEY PLAN



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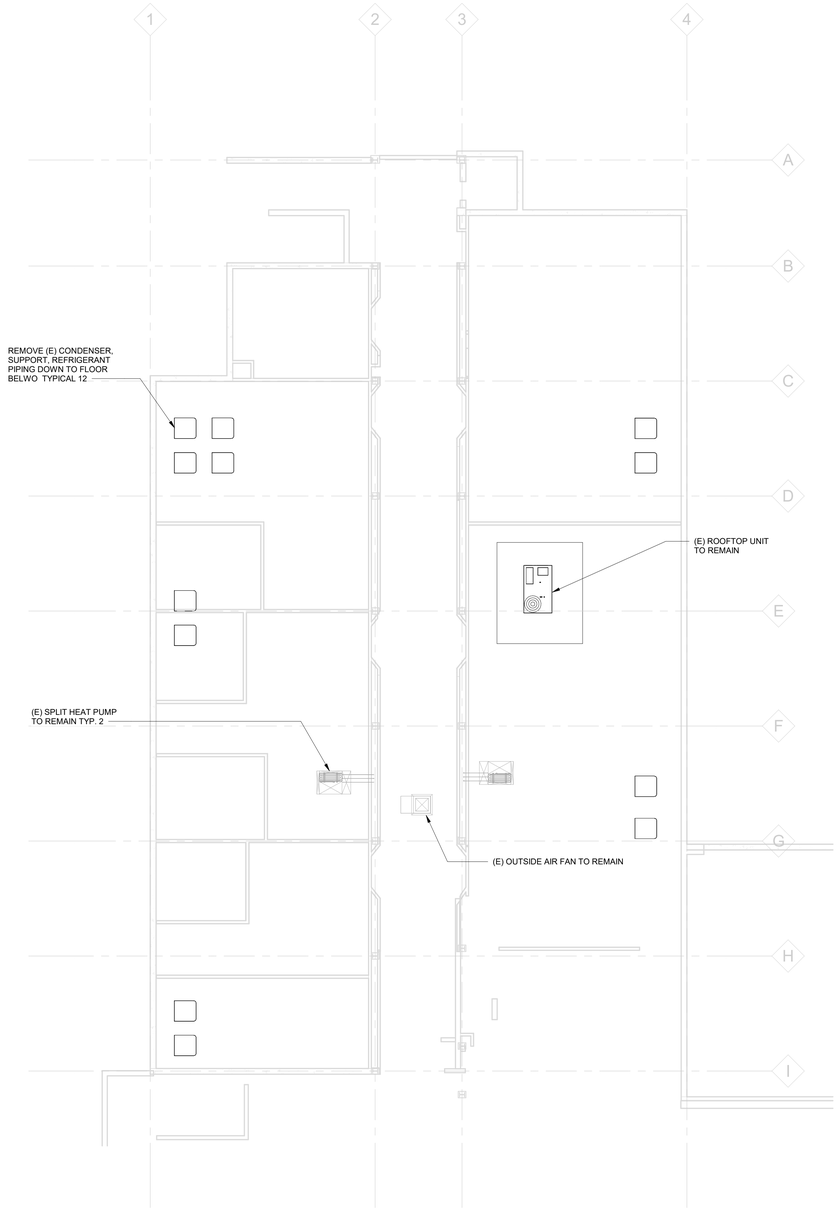
REGISTERED PROFESSIONAL ENGINEER JOHN CADIZ No. M35216 MECHANICAL STATE OF CALIFORNIA

Project Number

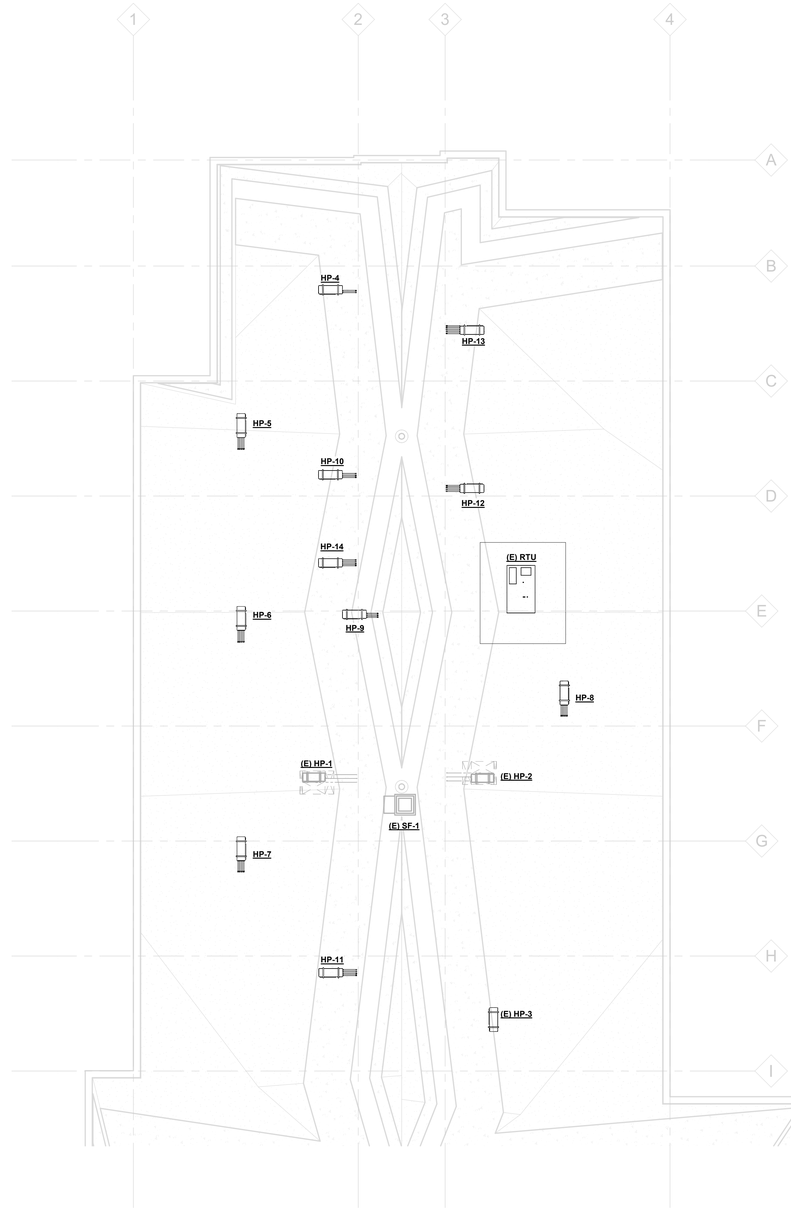
Mechanical First and Second Floor Demo

M-100

9/4/2024 7:57:02 AM

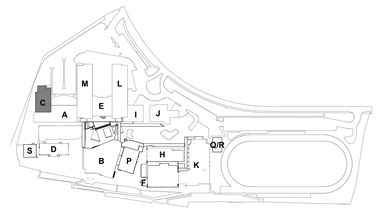


2 Mechanical Roof Demo Plan
1/8" = 1'-0"



1 Mechanical Roof Plan
1/8" = 1'-0"

KEY PLAN



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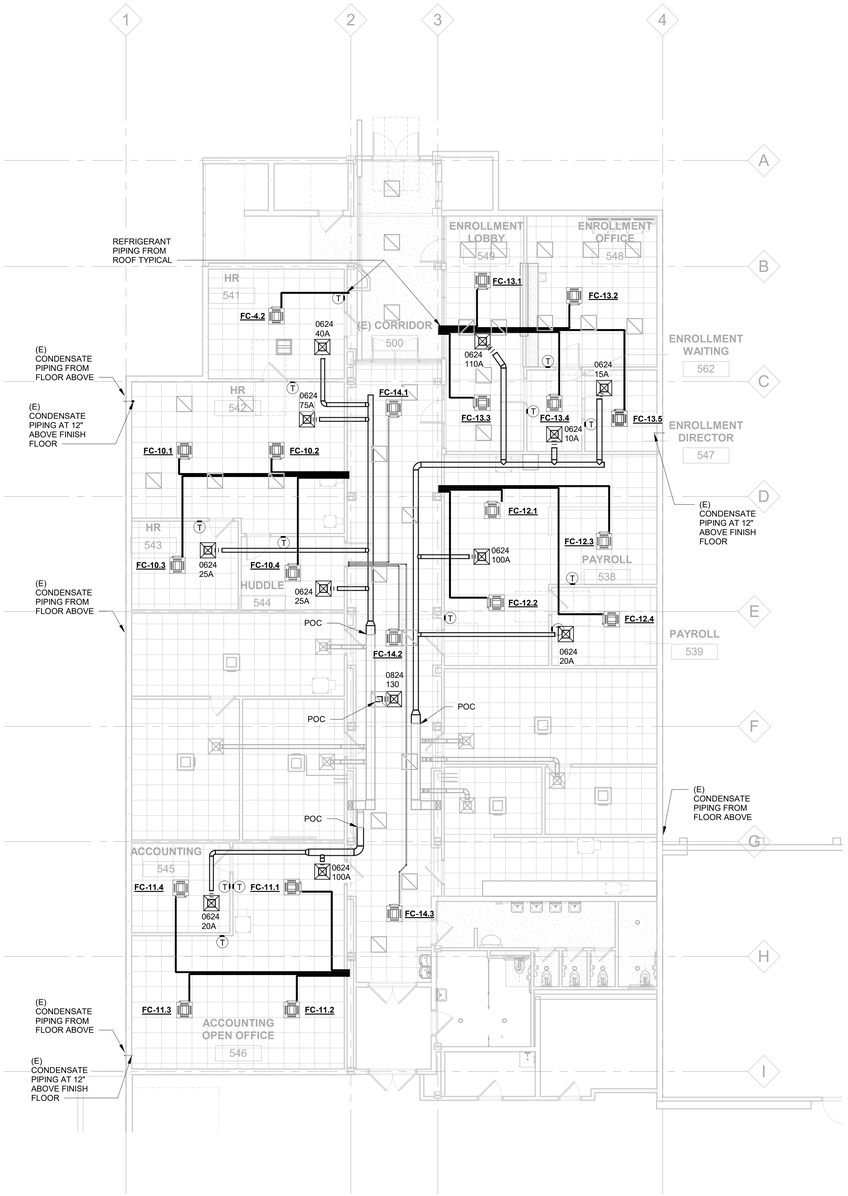
REGISTERED PROFESSIONAL ENGINEER JOHN CHOU No. M39214 MECHANICAL STATE OF CALIFORNIA

Project Number

Mechanical Roof Demo and Proposed Plan

M-101

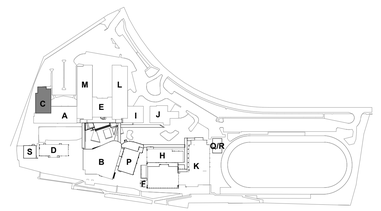
9/4/2024 7:57:09 AM



1 Mechanical First Floor Plan
1/8" = 1'-0"

2 Mechanical Second Floor Plan
1/8" = 1'-0"

KEY PLAN



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REGISTERED PROFESSIONAL ENGINEER JOHN CHOU No. M34214 MECHANICAL STATE OF CALIFORNIA

Project Number

Mechanical First and Second Floor Proposed Plan

M-200

ANCHORAGE NOTES

ELECTRICAL ANCHORAGE NOTES:

ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 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, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING ELECTRICAL COMPONENTS SHALL BE BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

A. COMPONENT WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM WALL.

THE ANCHORAGE OF ALL ELECTRICAL COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 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 BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (eg., HCAI OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

LIGHT FIXTURES:

1.7 LUMINAIRES

1.7.1 ALL LUMINAIRES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS PER CALIFORNIA ELECTRICAL CODE (CEC) ARTICLE 410.36. A MINIMUM OF TWO SCREWS OR APPROVED FASTENERS CAPABLE OF RESISTING A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURE ARE REQUIRED AT EACH LIGHT FIXTURE, PER ASTM E580 SECTION 5.3.1. SEE SECTION 2.1.1 BELOW FOR PENDANT LUMINAIRES.

1.7.2 SURFACE-MOUNTED LUMINAIRES SHALL BE ATTACHED TO THE MAIN RUNNER WITH AT LEAST TWO POSITIVE CLAMPING DEVICES ON EACH FIXTURE. THE CLAMPING DEVICE SHALL COMPLETELY SURROUND THE SUPPORTING CEILING RUNNER AND BE MADE OF STEEL WITH A MINIMUM THICKNESS OF #14-GAUGE. ROTATIONAL SPRING CATCHES DO NOT COMPLY. A #12-GAUGE SLACK SAFETY WIRE SHALL BE CONNECTED FROM EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN LUMINAIRES MEASURE 8-FEET OR LONGER OR EXCEED 56 POUNDS. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED 8-FEET.

1.7.3 LUMINAIRES WEIGHING LESS THAN OR EQUAL TO 10 POUNDS MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, BUT THEY SHALL HAVE A MINIMUM OF ONE #12-GAUGE SLACK SAFETY WIRE CONNECTED FROM THE LUMINAIRE HOUSING TO THE STRUCTURE ABOVE.

1.7.4 LUMINAIRES WEIGHING GREATER THAN 10 POUNDS BUT LESS THAN OR EQUAL TO 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, BUT THEY SHALL HAVE A MINIMUM OF TWO # 12-GAUGE SLACK SAFETY WIRES CONNECTED FROM THE LUMINAIRE HOUSING AT DIAGONAL CORNERS TO THE STRUCTURE ABOVE.

EXCEPTION: ALL LUMINAIRES GREATER THAN 2-FEET WIDE BY 4-FEET LONG AND NO MORE THAN 8-FEET LONG WEIGHING LESS THAN 56 POUNDS SHALL HAVE A #12-GAUGE SLACK SAFETY WIRE AT EACH CORNER.

1.7.5 ALL LUMINAIRES WEIGHING GREATER THAN 56 POUNDS SHALL BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR TAUT #12-GAUGE HANGER WIRES (ONE AT EACH CORNER) ATTACHED FROM THE LUMINAIRE HOUSING TO THE STRUCTURE ABOVE OR OTHER APPROVED HANGERS.

GENERAL DEMOLITION NOTES

1. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL LINES, LEVELS, DIMENSIONS AND EXISTING CONDITIONS. THE INFORMATION ON THE DRAWINGS REGARDING EXISTING ELECTRICAL EQUIPMENT AND BRANCH CIRCUITS IS THE RESULT OF FIELD SURVEY AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. IT IS INTENDED, HOWEVER, AS A GUIDE FOR USE IN VERIFICATION ONLY.
2. ANY EXISTING ELECTRICAL EQUIPMENT IN THE AREA OF NEW CONSTRUCTION NOT SHOWN ON THE EXISTING PLANS SHALL BE DOCUMENTED AND SUBMITTED TO THE ENGINEER FOR DETERMINATION OF ACTION REQUIRED.
3. WHEREVER THE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT IS CALLED FOR AND ALL EQUIPMENT ON A PARTICULAR BRANCH CIRCUIT IS TO BE REMOVED, ALL CONDUIT AND WIRE BACK TO THE PANEL SHALL BE REMOVED AND THE CIRCUIT IN PANEL SHALL BE MARKED "SPARE". THIS APPLIES TO SIGNAL AND COMMUNICATIONS SYSTEMS EQUIPMENT, CONDUIT, AND WIRE AS WELL.
4. WHEREVER THE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT IS CALLED FOR AND ALL EQUIPMENT ON A PARTICULAR BRANCH CIRCUIT IS NOT TO BE REMOVED, THE CIRCUIT SHALL BE MAINTAINED CONTINUOUS TO THE EXISTING EQUIPMENT IN USE WITH MINIMUM INTERRUPTIONS OF POWER. THIS APPLIES TO SIGNAL AND COMMUNICATIONS SYSTEMS EQUIPMENT, CONDUIT, AND WIRE AS WELL.
5. WHENEVER THE REMOVAL OF EXISTING CONSTRUCTION REVEALS ELECTRICAL WORK THAT IS TO REMAIN, BUT IS IN CONFLICT WITH NEW CONSTRUCTION, RELOCATE THE EXISTING ELECTRICAL WORK AS NECESSARY TO AVOID ANY CONFLICT. RELOCATION WORK SHALL BE DONE TO MINIMIZE ANY INTERRUPTIONS OF POWER.
6. CARE SHALL BE TAKEN IN ORDER TO IDENTIFY AND PROTECT ALL EXISTING ELECTRICAL WORK THAT IS TO REMAIN.
7. ENSURE RECONNECTION OF EXISTING DEVICES WHOSE CIRCUITS HAVE BEEN INTERRUPTED BY DEMOLITION BY PROVIDING NEW CONNECTION TO ANOTHER EXISTING TO REMAIN DEVICE OR PANEL.
8. ALL EXISTING ELECTRICAL EQUIPMENT SHOWN ON THE PLANS FOR NEW WORK ARE THOSE WHICH ARE TO BE REUSED DURING SOME PHASE OF THE NEW CONSTRUCTION OR REQUIRE SOME SPECIAL CONSIDERATIONS.
9. WHENEVER THE REMOVAL OF EXISTING ELECTRICAL PANELBOARDS ARE CALLED FOR AND ALL EXISTING BRANCH CIRCUITS ARE NOT TO BE REMOVED, THE EXISTING BRANCH CIRCUITS SHALL BE CONNECTED TO OTHER EXISTING ELECTRICAL EQUIPMENT OR PANELS STILL IN USE WITH MINIMUM INTERRUPTION OF POWER. ALSO, IF REQUIRED, THESE SAME BRANCH CIRCUITS SHALL BE RECONNECTED TO RELOCATED EXISTING OR NEW PANELBOARDS AS PART OF THE NEW CONSTRUCTION. THIS APPLIES TO SIGNAL AND COMMUNICATIONS SYSTEMS EQUIPMENT, CONDUIT AND WIRE AS WELL.
10. THE ELECTRICAL CONTRACTOR SHALL REVISE EXISTING PANEL SCHEDULES TO CORRESPOND TO ACTUAL CONDITIONS AFTER ALL DEMOLITION AND NEW WORK IS COMPLETED.
11. REMOVE ALL ABANDONED CONDUIT AND WIRE ABOVE CEILINGS.
12. WHEN ELECTRICAL EQUIPMENT OR DEVICE IS REMOVED FROM AN EXISTING WALL OR CEILING WHICH IS TO REMAIN, PATCH ABANDONED OPENINGS TO MATCH EXISTING FINISH.
13. IN GENERAL, THE DEMOLITION PLANS SHOW ALL EXISTING EQUIPMENT THAT IS TO BE REMOVED UNLESS NOTED OTHERWISE. HOWEVER, ELECTRICAL EQUIPMENT, WHETHER SHOWN ON THIS DRAWING OR NOT, WHERE LOCATED IN THE AREA SCHEDULED TO BE DEMOLISHED, SHALL BE REMOVED COMPLETELY (INCLUDING CONDUIT AND WIRES BACK TO THE LAST REMAINING FIXTURE, OUTLET, DEVICE, ETC.) UNLESS OTHERWISE NOTED. COORDINATE DEMOLITION WORK WITH ARCHITECT AND GENERAL CONTRACTOR.
14. EXISTING CONDUIT FEEDS UP THROUGH FLOOR SHALL BE CUT OFF AND PLUGGED FLUSH WITH FLOOR WHERE EXISTING WALLS, ETC., ARE REMOVED. REMOVE CONDUCTORS FROM THE POINT BACK TO LAST OUTLET REMAINING IN SERVICE.
15. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO MAINTAIN CONTINUITY OF ALL ELECTRICAL SYSTEMS, EQUIPMENT, ETC. REMAINING IN OPERATION WHICH IS BEING FED BY AN ABANDONED OUTLET. MAINTAINING CONTINUITY SHALL CONSIST OF REROUTING OF CONDUIT, WIRE, ETC. AS REQUIRED.
16. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF EXISTING CIRCUITS AND ADJUST CIRCUIT NUMBERS ACCORDING TO EXISTING CONDITIONS IF REQUIRED
17. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO REMOVAL OF EXISTING ELECTRICAL EQUIPMENT AND TURN OVER REMOVED EQUIPMENT THAT THE OWNER REQUESTS, IN AS-FOUND CONDITION. EQUIPMENT THAT IS TO BE TURNED OVER SHALL BE BOXED AND TAGGED TO IDENTIFY THE SPECIFIC EQUIPMENT. EQUIPMENT TO BE TEMPORARILY REMOVED DUE TO THE CONSTRUCTION SHALL BE CLEANED AND RE-INSTALLED IN ITS ORIGINAL CONDITION OR AS REQUIRED.
18. WHERE EXISTING WALLS HAVE BEEN REMOVED, AND THERE ARE EXISTING CONDUIT FEEDS WHICH HAVE BEEN CUT OFF AND CAPPED FLUSH WITH THE FLOOR, IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND DIMENSION ALL SUCH CONDUITS ON THE "AS-BUILT" DRAWINGS.
19. IF ANY EQUIPMENT THAT IS SCHEDULED TO REMAIN IN OPERATION IS DAMAGED BY THE CONTRACTOR, IT SHALL BE REPLACED TO ITS ORIGINAL CONDITION SATISFACTORY TO THE OWNER AT CONTRACTOR'S EXPENSE.

ABBREVIATIONS

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

GENERAL ELECTRICAL NOTES

23. ALL EXIT SIGNS SHALL COMPLY WITH THE RELEVANT PORTIONS OF SECTIONS 1008 AND 1013 OF THE CBC.
24. ALL MECHANICAL DIVISION EQUIPMENT LOW VOLTAGE CONTROL WIRING AND RACEWAY SHALL BE PROVIDED AND INSTALLED AS SPECIFIED IN MECHANICAL DIVISION U.O.N.
25. COORDINATE INSTALLATION OF ALL RECESSED LUMINAIRE(S) WITH MECHANICAL DIVISION PRIOR TO INSTALLATION OF HVAC DUCTS AND SPRINKLER HEADS. ENSURE AFTER INSTALLATION OF LUMINAIRE(S) THAT THERE IS NO CONTACT BETWEEN DUCTS AND LUMINAIRE(S) TO AVOID VIBRATION IN LUMINAIRE(S).
26. USE FLEXIBLE CONDUIT FOR ALL MOTOR, TRANSFORMER, RECESSED LUMINAIRE CONNECTIONS, AND CONNECTIONS BETWEEN TWO SEPARATE STRUCTURES AND FOR ALL FINAL CONNECTIONS TO "CRITICAL EQUIPMENT" AS DEFINED IN SPECIFICATIONS. MINIMUM 1/2" DIAMETER, LIQUID TIGHT TYPE USED OUTDOORS AND IN ALL WET LOCATIONS; PROVIDE WITH CODE-SIZE (MINIMUM #12) BARE GROUND WIRE IN ALL FLEXIBLE CONDUIT.
27. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR ALL BRANCH CIRCUITS FEEDING OUTLETS AS NOTED ON THE DRAWINGS.
28. FOR FLUSH MOUNTED PANELBOARDS THE CONTRACTOR SHALL STUB A MINIMUM OF FOUR (4) 3/4" CONDUITS FROM THE PANEL UP INTO THE ACCESSIBLE CEILING ABOVE FOR FUTURE CIRCUITS.
29. ALL CONDUIT CONNECTORS TO OUTLET OR JUNCTION BOXES SHALL HAVE INSULATED THROATS (MANUFACTURED AS AN INTEGRAL PART OF THE CONNECTOR). AFTER-MARKET INSERTABLE THROATS ARE NOT ACCEPTABLE.
30. ALL CIRCUITS IN ALL JUNCTION BOXES AND DEVICES SHALL BE CLEARLY IDENTIFIED BY MEANS OF "EZ" NUMBERING TAGS OR EQUIVALENT, TO IDENTIFY THE CIRCUIT NUMBER OR RELAY SUPPLYING THE CONDUCTOR. ALL JUNCTION BOXES SHALL BE LABELED PER SPECIFICATIONS.
31. ALL SURFACE MOUNTED POWER AND SIGNAL BOXES IN FINISHED AREAS SHALL BE "WIREMOLD" 4YPE, WITH MATCHING RACEWAYS. SURFACE MOUNTED STEEL JUNCTION BOXES AND/OR EMT ARE NOT ACCEPTABLE.
32. ALL LOCATIONS OF BARE METAL SURFACE MOUNTED CONDUIT, BOXES, PANEL COVERS, AND RELATED FITTINGS OR ACCESSORIES INSTALLED IN FINISHED AREAS (BOTH INTERIOR AND EXTERIOR) SHALL BE FINISH PAINTED TO MATCH THE SURFACE TO WHICH THEY ARE MOUNTED TO (AFTER INSTALLATION). PAINTING SHALL INCLUDE DIFFERENT COLORS AS REQUIRED TO MATCH EXISTING STRIPING OR OTHER BUILDING FEATURES TO WHICH THE EQUIPMENT IS ATTACHED AND VISIBLE. VERIFY EXACT JUNCTION BOX LOCATIONS AND ROUTING OF EXPOSED RACEWAYS WITH THE ARCHITECT PRIOR TO ROUGH-IN.
33. PROVIDE A BLANK COVER PLATE (COLOR TO MATCH ADJACENT DEVICES OR AS SPECIFICALLY CALLED FOR IN SPECIFICATIONS) FOR ALL JUNCTION BOXES (NEW AND EXISTING) ON THE PROJECT WHEN NO DEVICE IS INSTALLED.
34. FOR OUTDOOR 15 AND 20-AMPERE, 125 AND 250-VOLT RECEPTACLES: RECEPTACLES LOCATED IN "WET" LOCATIONS SHALL HAVE "IN-USE" TYPE WEATHERPROOF COVER PLATES PROVIDED AND INSTALLED; RECEPTACLES LOCATED IN "DAMP" LOCATIONS SHALL HAVE "IN-USE" TYPE WEATHERPROOF COVER PLATES IN LOCATIONS DEEMED TO BE "IN-USE" WITH CORD AND PLUG ATTACHED.
35. TWO OR THREE DIFFERENT PHASES SUPPLIED BY A 3-PHASE PANEL MAY SHARE A SINGLE NEUTRAL ONLY IF CIRCUIT POSITIONS ARE ADJACENT IN THE PANEL. PROVIDE COMMON HANDLE-TIE ON BREAKERS FOR MULTI-WIRE BRANCH CIRCUITS, WITH COMMON NEUTRAL, PER NEC REQUIREMENTS.

GENERAL ELECTRICAL NOTES

1. PRIOR TO BID THE CONTRACTOR SHALL VISIT THE SITE TO ADEQUATELY DETERMINE ALL PRE-EXISTING CONDITIONS. BY THE ACT OF SUBMITTING A BID, THE CONTRACTOR WILL BE DEEMED TO HAVE COMPLIED WITH THE FOREGOING, TO HAVE ACCEPTED SUCH CONDITIONS, AND TO HAVE MADE ALLOWANCES THEREFORE IN PREPARING THE BID.
2. PROVIDE PARITY SIZED GREEN GROUND WIRE IN ALL POWER CONDUITS, BRANCH CIRCUITS (LIGHTING & POWER) AND HOMERUNS. PROVIDE ADDITIONAL ISOLATED GROUND, GREEN WITH YELLOW STRIPE, TO ALL ISOLATED GROUND RECEPTACLES.
3. PROVIDE PULLROPE IN ALL EMPTY CONDUITS THROUGHOUT THE PROJECT.
4. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION & CONNECTION REQUIREMENTS OF ALL LUMINAIRE(S) AND ALL OUTLET, SWITCH, AND ELECTRICAL RELATED DEVICE MOUNTING HEIGHTS AND LOCATIONS. COORDINATE LOCATIONS OF ALL LUMINAIRE(S) AND JUNCTION BOXES WITH MECHANICAL DIVISION PRIOR TO ROUGH-IN. COORDINATE LOCATIONS OF ELECTRICAL DEVICES WITH FURNITURE PLANS PRIOR TO ROUGH-IN.
5. REFER TO MECHANICAL PLANS FOR EXACT LOCATION(S) OF ALL MECHANICAL EQUIPMENT, AND CONFIRM EXACT CONNECTION REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL DIVISION, PRIOR TO ROUGH-IN. VERIFY EXACT REQUIREMENTS FOR VOLTAGE, PHASE, HORSE-POWER, OR KVA RATINGS, OF ALL MECHANICAL DIVISION EQUIPMENT REQUIRING ELECTRICAL CONNECTION.
6. VERIFY EXACT CONNECTION REQUIREMENTS, OUTLET TYPE(S), MOUNTING HEIGHT(S) AND LOCATION(S) OF ALL OWNER-SUPPLIED EQUIPMENT, AND ALL EQUIPMENT PROVIDED UNDER OTHER SECTIONS OF THE SPECIFICATIONS, PRIOR TO ROUGH-IN. REFER TO ARCHITECTURAL DRAWINGS FOR EQUIPMENT LOCATIONS.
7. COORDINATE TRENCHING WITH OWNER AND OTHER TRADES BEFORE BEGINNING WORK.
8. ALL CONDUIT PENETRATIONS THROUGH FIRE-RATED WALLS AND FLOORS SHALL BE SEALED AND EQUIPPED WITH U.L. LISTED FIRE PENETRATION ASSEMBLIES TO MAINTAIN FIRE SEPARATION RATING.
9. DO NOT INSTALL ANY OUTLETS BACK TO BACK IN STUD WALLS OR DE-MOUNTABLE PARTITIONS.
10. THE CONTRACTOR SHALL VERIFY ALL CEILING TYPES BEFORE ORDERING OF LUMINAIRE(S). ALSO VERIFY THAT ALL FEATURES CALLED FOR IN LUMINAIRE DESCRIPTIONS ON THE LUMINAIRE SCHEDULE ARE INCLUDED WITH CATALOG NUMBERS LISTED ON THE LUMINAIRE SCHEDULE WHEN LUMINAIRE ORDERS ARE PLACED, AND ARE INCLUDED AS PART OF THE LIGHTING SUBMITTALS FOR THIS PROJECT. IF A DISCREPANCY EXISTS, CONTACT THE ARCHITECT AND ELECTRICAL ENGINEER FOR CLARIFICATION PRIOR TO BID.
11. CIRCUITRY AND CONDUIT ROUTING SHOWN ON THE PLANS IS DIAGRAMMATIC ONLY. THIS CONTRACTOR IS RESPONSIBLE FOR BECOMING COMPLETELY FAMILIAR WITH THE ARCHITECTURAL AND STRUCTURAL CONDITIONS AND LIMITATIONS IN THE BUILDING AND TO PROVIDE ALL LABOR, TOOLS AND MATERIALS REQUIRED TO PRODUCE A COMPLETELY CONCEALED INSTALLATION WHEREVER INDICATED ON THE PLANS.
12. MAINTAIN "AS-BUILT" RECORDS AT ALL TIMES, SHOWING EXACT LOCATION OF ALL UNDERGROUND AND/OR CONCEALED CONDUITS AND SERVICES INSTALLED UNDER THIS CONTRACT, INCLUDING CIRCUIT IDENTIFICATION WHERE APPLICABLE. PROVIDE OWNER WITH "AS-BUILT" DOCUMENTS AS INDICATED IN THE SPECIFICATIONS, AND/OR CALLED FOR IN THE SPECIFICATIONS.
13. DRAWINGS INDICATE THE LOCATION(S) OF DEVICES, LUMINAIRE(S) AND EQUIPMENT, AND THE CIRCUIT NUMBER AND PANEL DESIGNATED TO SUPPLY THEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETELY CONNECTING ALL ELECTRICAL DEVICES TO CIRCUITS INDICATED ON THE DRAWINGS.
14. UNLESS OTHERWISE NOTED, ALL WORK SHOWN ON DRAWINGS IS NEW AND TO BE PROVIDED AND INSTALLED COMPLETE UNDER THIS CONTRACT.
15. ALL EQUIPMENT GROUNDING SHALL CONFORM TO ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE, LATEST EDITION.
16. ALL EXTERIOR CONDUIT ABOVE GRADE, INCLUDING ALL ROOF MOUNTED CONDUIT, SHALL BE GALVANIZED RIGID STEEL. COAT ALL EXPOSED THREADS WITH GALVANIZING PAINT. PAINT ALL SURFACE MOUNTED RACEWAYS AND PULLBOXES TO MATCH SURROUNDING CONDITIONS, AS DIRECTED BY THE ARCHITECT.
17. ALL ELECTRICAL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE LATEST EDITION OF THE N.E.C., AS WELL AS STATE, AND LOCAL CODES AND REQUIREMENTS.
18. ALL CONDUIT SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
19. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE AVAILABLE SHORT CIRCUIT CURRENT AT THE MAIN SWITCHBOARD INCOMING TERMINALS WITH THE UTILITY COMPANY, AND TO VERIFY THAT ALL POWER AND SIGNAL SERVICE PROVISIONS, INCLUDING CONCRETE EQUIPMENT PADS, CONDUITS, PULLBOXES AND CLEARANCES, MEET THE UTILITY COMPANY'S REQUIREMENTS, PRIOR TO INSTALLATION.
20. EQUIPMENT OVERLOADS AND FUSES SHALL BE PROVIDED AND INSTALLED AS PER NAME PLATE ON THE EQUIPMENT ACTUALLY PROVIDED.
21. THE CONTRACTOR SHALL PAY FOR ALL REQUIRED PERMITS AND INSPECTION FEES.
22. THE CONTRACTOR SHALL VERIFY ALL CRITICAL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.

SHEET INDEX

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REGISTERED PROFESSIONAL ENGINEER PIETER J. COLENBRANDER No.E14738 Exp. 6/25 ELECTRICAL STATE OF CALIFORNIA

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2023-SR001-002

GENERAL NOTES, LIST OF DRAWINGS

E-001

ELECTRICAL SYMBOLS LIST

- SECURITY SYSTEM DOOR CONTACT. PROVIDE 1/2" C.O. ROUGH-IN FROM NEAREST ACCESSIBLE CEILING AREA, TO DOOR FRAMING. PROVIDE 1" C.O. WITHIN ALL NON-ACCESSIBLE AREAS FOR WIRING AND DEVICE BY OTHERS.
- SECURITY SYSTEM CEILING MOUNT 360° MOTION DETECTOR. PROVIDE 1" C.O. WITHIN ALL NON-ACCESSIBLE AREAS FOR WIRING, DEVICE AND MOUNT, BY OTHERS
- SECURITY SYSTEM CEILING MOUNT GLASS BREAK DETECTOR. PROVIDE 1" C.O. WITHIN ALL NON-ACCESSIBLE AREAS FOR WIRING, DEVICE AND MOUNT, BY OTHERS
- WALL MOUNTED SECURITY SYSTEM KEYPAD, UP 48" TO TOP OF BOX. PROVIDE 3/4" STUB-UP FROM WALL MOUNT LOCATION TO ACCESSIBLE CEILING SPACES, AND PROVIDE 1" C.O. WITHIN ALL NON-ACCESSIBLE AREAS FOR WIRING AND DEVICE BY OTHERS.
- PROJECT NUMBERED NOTE, OR SHEET NUMBERED, AS NOTED ON PLAN.
- COPPER GROUND ROD, 10' L x 3/4"Ø, SEE SPECS
- 100A 3P — CIRCUIT BREAKER, INDICATES 100 AMP, 3 POLE
- UTILITY METER
- CONDUCTOR LANDING LUGS
- CONDUIT TURN DOWN
- CONDUIT TURN UP
- CONTINUATION
- CONDUIT STUB
- 4004 — ELECTRICAL FEEDER TAG, PER COPPER FEEDER SCHEDULE
- F 1 — MECHANICAL EQUIPMENT DESIGNATION, REFER TO MECHANICAL PLANS.

BRANCH CIRCUIT NOMENCLATURE

EXAMPLES:

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

ELECTRICAL SYMBOLS LIST

- MAIN SWITCHBOARD, DISTRIBUTION PANEL, OR MOTOR CONTROL CENTER
- SURFACE MOUNTED PANELBOARD OR EQUIPMENT AS NOTED ON DRAWINGS. 6' - 6" TO TOP
- FLUSH MOUNTED PANELBOARD OR EQUIPMENT AS NOTED ON DRAWINGS. 6' - 6" TO TOP.
- PAD MOUNTED UTILITY TRANSFORMER, PER UTILITY CO. REQUIREMENTS.
- CONDUIT AND WIRE CONCEALED IN CEILING OR WALL
- CONDUIT AND WIRE UNDERGROUND, OR CONCEALED UNDER SLAB
- CONDUIT AND WIRE RUN EXPOSED, PAINTED TO MATCH ALL ADJACENT FINISHES WITHIN FINISHED SPACES
- HOMERUN TO PANELBOARD OR TERMINAL BOARD, AS NOTED ON PLANS
- CROSSMARKS INDICATE QUANTITY OF #12 CONDUCTORS PLUS PARITY SIZED GROUND CONDUCTOR. NO HASHMARKS INDICATES (2) #12 PLUS PARITY SIZED GROUND CONDUCTOR.
  - GROUND WIRE
- (#10) — WIRE SIZE 10 AWG FOR ALL CONDUCTORS, INCLUDING GROUND WIRE THROUGHOUT THE COMPLETE CIRCUIT
- FLUSH FLOOR MOUNTED JUNCTION BOX
- FLUSH CEILING MOUNTED JUNCTION BOX
- FLUSH WALL MOUNTED JUNCTION BOX, UP 18" U.O.N.
- 20A 3PG 125V DUPLEX RECEPTACLE, UP 18" U.O.N.
- GFI — 20A 3PG 125V DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTER, UP 18" U.O.N.
- WP GFI — 20A 3PG 125V DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTER TYPE, UP 18" U.O.N., IN WEATHER PROOF. FLUSH LOCKABLE ENCLOSURE. HUBBELL #4600RAC (OR EQUAL).
- IG — 20A 3PG 125V DUPLEX RECEPTACLE, ISOLATED GROUND TYPE, UP 18" U.O.N.
- 20A 3PG 125V DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER, U.O.N.
- 20A 3PG 125V DOUBLE DUPLEX RECEPTACLE, UP 18" U.O.N.
- 20A 3PG 125V DOUBLE DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER, U.O.N.
- 20A 3PG 125V SINGLE RECEPTACLE, UP 18" U.O.N.
- RECEPTACLE AS NOTED ON PLANS.
- HALF CONTROLLED AND IDENTIFIED DOUBLE DUPLEX RECEPTACLE WIRED THROUGH LOCAL PLUG-LOAD CONTROLLER FOR ONE HALF OF DUPLEX, UP 18" U.O.N.
- 20A 3PG 125V DUPLEX RECEPTACLE, FLUSH CEILING MOUNT.
- 20A 3PG 125V DUPLEX RECEPTACLE, FLUSH CEILING MOUNT.
- FLOOR BOX ASSEMBLY, IN-SLAB. DOUBLE DUPLEX RECEPTACLE, AND DATA OUTLET.
- FIRE RATED POKE THRU ASSEMBLY FLOOR BOX
- LINE VOLTAGE THERMOSTAT, PROVIDED AND INSTALLED BY ELECTRICAL, CONNECTED COMPLETE BY MECHANICAL
- SURFACE MOUNTED WIREMOLD RACEWAY WITH RECEPTACLES AS INDICATED ON PLANS
- SURFACE MOUNTED WIREMOLD RACEWAY RISER
- 2D — DATA OUTLET, WALL MOUNTED, UP 18" U.O.N. MINIMUM 2D PER RECEPTACLE.
  - NUMBER INDICATES QUANTITY OF DATA OUTLET JACKS. WHERE NONE SHOWN, 2 SHALL BE PROVIDED.
- 2D — DATA OUTLET, WALL MOUNTED, MOUNTED ABOVE COUNTER.
  - NUMBER INDICATES QUANTITY OF DATA OUTLET JACKS. WHERE NONE SHOWN, 2 SHALL BE PROVIDED.
- 2D — DATA OUTLET, FLUSH CEILING MOUNT.
  - 'AP' - INTENDED ACCESS POINT
  - 'P' - INTENDED PROJECTOR
  - NUMBER INDICATES QUANTITY OF DATA OUTLET JACKS. WHERE NONE SHOWN, 2 SHALL BE PROVIDED.
- FLUSH WALL MOUNTED INDOOR PUBLIC ADDRESS SPEAKER & SIGNAL SYSTEM CLOCK, UP 96" U.O.N.
  - FOR IP BASED SYSTEMS, PROVIDE 2 DATA DROPS AT EACH DEVICE SHOWN ON THE PLANS, U.O.N.
- FLUSH WALL MOUNTED INDOOR PUBLIC ADDRESS SPEAKER, UP 96" U.O.N. - 'WP' INDICATES WEATHERPROOF
  - FOR IP BASED SYSTEMS, PROVIDE 1 DATA DROP AT EACH DEVICE SHOWN ON THE PLANS, U.O.N.
- FLUSH WALL MOUNTED SIGNAL SYSTEM CLOCK, UP +96" U.O.N.
  - FOR IP BASED SYSTEMS, PROVIDE 2 DATA DROPS AT EACH DEVICE SHOWN ON THE PLANS, U.O.N.
- $m — LINE VOLTAGE MOTOR RATED SWITCH INSTALLED AT EQUIPMENT SHOWN
- MOTOR DISCONNECT SWITCH, HORSEPOWER RATED, FUSED
  - PLAN SPECIFIC DIMENSIONED SYMBOL, BASED ON INDUSTRY STANDARD FRAME SIZES
  - DIAGRAMAMTIC SYMBOL
- MOTOR DISCONNECT SWITCH, HORSEPOWER RATED, NON FUSED
  - PLAN SPECIFIC DIMENSIONED SYMBOL, BASED ON INDUSTRY STANDARD FRAME SIZES
  - DIAGRAMAMTIC SYMBOL
- VFD — VARIABLE FREQUENCY DRIVE, FURNISHED BY MECHANICAL, INSTALLED AND CONNECTED COMPLETE BY ELECTRICAL.

ELECTRICAL SYMBOLS LIST

- $a — LINE VOLTAGE SINGLE POLE TOGGLE SWITCH, LETTER ADJACENT INDICATES RESPECTIVE ZONE CONTROLLED, UP 48" U.O.N.
- $2 — LINE VOLTAGE TWO POLE TOGGLE SWITCH, UP 48" U.O.N.
- $3 — LINE VOLTAGE THREE-WAY TOGGLE SWITCH, UP 48" U.O.N.
- $k — LINE VOLTAGE KEY OPERATED TOGGLE SWITCH
- $m — LINE VOLTAGE MOTOR RATED TOGGLE SWITCH INSTALLED AT EQPT SHOWN
- $p — LINE VOLTAGE TOGGLE SWITCH WITH PILOT LIGHT, LIGHT IS ON WHEN CIRCUIT IS CLOSED, UP 48" U.O.N.
- S ab — LOW VOLTAGE MOMENTARY CONTACT SWITCH - SEE LOW VOLTAGE RELAY SCHEDULE, LOWER CASE LETTER ADJACENT INDICATES RESPECTIVE ZONE CONTROLLED, UP 48" U.O.N.
- kS ab — LOW VOLTAGE KEYED MOMENTARY CONTACT SWITCH - SEE LOW VOLTAGE RELAY SCHEDULE, LOWER CASE LETTER ADJACENT INDICATES RESPECTIVE ZONE CONTROLLED, UP 48" U.O.N.
- a OS b — WALL MOUNTED SWITCH TYPE INFRARED OCCUPANCY SENSOR; UP 48" U.O.N.; SINGLE OR DUAL AS NOTED BY LETTERS ADJACENT. SET TO FIXED 20 MINUTE TIME DELAY AND MAX SENSITIVITY
- a DS b — WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR; UP 48" U.O.N.; SINGLE OR DUAL AS NOTED BY LETTERS ADJACENT. SET TO FIXED 20 MINUTE TIME DELAY AND MAX SENSITIVITY
- OSD — WALL MOUNTED DIGITAL DUAL TECHNOLOGY DIMMING OCCUPANCY SENSOR SWITCH; UP 48" U.O.N.
- S a — WALL MOUNTED DIGITAL SWITCH, UP 48" U.O.N.; LOWER CASE LETTER ADJACENT INDICATES RESPECTIVE ZONE CONTROLLED
- 2 D a,b — WALL MOUNTED SINGLE OR MULTI-ZONE DIGITAL DIMMER SWITCH, UP 48" U.O.N.; LOWER CASE LETTERS ADJACENT INDICATE RESPECTIVE ZONES TO BE SIMULTANEOUSLY MANUALLY CONTROLLED; NUMERAL DESIGNATES NUMBER OF ZONES ASSIGNED TO THE DEVICE
- CEILING MOUNTED DUAL TECHNOLOGY DIGITAL OCCUPANCY SENSOR
- WALL MOUNTED DUAL TECHNOLOGY DIGITAL OCCUPANCY SENSOR
- LOW VOLTAGE COLD TEMPERATURE PIR OCCUPANCY SENSOR
- CEILING MOUNTED LINE VOLTAGE DUAL TECHNOLOGY OCCUPANCY SENSOR
- Z3,Z4 P — SINGLE OR MULTI-ZONE SWITCHING OR DIMMING OPEN LOOP DIGITAL DAYLIGHTING SENSOR; NOTATIONS ADJACENT IDENTIFY DAYLIGHT ZONES ASSIGNED TO THE DEVICE. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN
- Z1 P — SINGLE ZONE SWITCHING OR DIMMING CLOSED LOOP DIGITAL DAYLIGHTING SENSOR; NOTATIONS ADJACENT IDENTIFY DAYLIGHT ZONES ASSIGNED TO THE DEVICE. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN
- Z1 P — DAYLIGHT CONTROL PHOTOCELL - BRACKET MOUNTED; NOTATIONS ADJACENT IDENTIFY DAYLIGHT ZONES ASSIGNED TO THE DEVICE. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN
- Z2 — INDICATES DAYLIGHT ZONE CONTROLLED VIA PHOTOCELL
- ROOM CONTROLLER
  - RC 2 — ADJACENT NUMERAL REFERS TO THE NUMBER OF ZONES TO BE CONTROLLED. VENDOR OR CONTRACTOR TO PROVIDE QUANTITY OF ROOM CONTROLLERS REQUIRED FOR THE NUMBER OF CONTROLLED ZONES.
- PC — PLUG LOAD ROOM CONTROLLER
- NB — NETWORK BRIDGE
- MBR — MASTER WIRELESS BORDER ROUTER & NB - SWITCH IN NETWORK CABINET
- BR 1 — SECONDARY WIRELESS BORDER ROUTER
- IR — ISOLATED RELAY INTERFACE
- EC — EMERGENCY LIGHTING CONTROL MODULE
- P — OCCUPANCY SENSOR POWER PACK MOUNTED IN CONCEALED ACCESSIBLE LOCATION

CALIFORNIA GREEN BUILDING STANDARDS COMPLIANCE

ALL EXTERIOR LUMINAIRES SPECIFIED IN THESE CONTRACT DOCUMENTS COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA ENERGY CODE AND THE CALIFORNIA GREEN BUILDING STANDARDS CODE. SECTION AS 106.8 LIGHT POLLUTION REDUCTION. EXTERIOR LUMINAIRES COMPLY WITH BACKLIGHT, UPLIGHT, AND GLARE (BUG) RATINGS AS DEFINED IN IESNA TM-15-11 AND BUG RATINGS DO NOT EXCEED THE MAXIMUM ALLOWABLE RATINGS FOR THIS PROJECT.

ELECTRICAL SYMBOLS LIST

ALL SWITCH AND CONTROL MOUNTING HEIGHTS OF 48" SHALL BE TO TOP OF THE DEVICE BOX. ALL RECEPTACLES WITH MOUNTING HEIGHT OF UP TO 18" SHALL BE NO LOWER THAN 15" TO BOTTOM OF THE DEVICE BOX, TYPICAL, U.O.N.

- AA1 — INDICATES LUMINAIRE TYPE, SEE LUMINAIRE SCHEDULE
- RECESSED 2'x2', 2'x4' OR 1'x4' LUMINAIRE, FULLY LENSED
- EM EM E E — INDICATES EMERGENCY LUMINAIRE. SEE ABBREVIATIONS FOR TYPE OF EMERGENCY SOURCE
- SUSPENDED LINEAR LUMINAIRE
  - INDICATES AIRCRAFT CABLE SUPPORT POINT (VERIFY WITH MFGR)
  - INDICATES COMBINATION AIRCRAFT CABLE/ELECTRICAL FEED POINT (VERIFY WITH MFGR)
- SURFACE CEILING, WALL OR COVE MOUNTED LUMINAIRE
- UNDER CABINET LUMINAIRE
- SURFACE OR SUSPENDED STRIP LUMINAIRE
- SURFACE CEILING MOUNTED LUMINAIRE
- PENDANT MOUNTED LUMINAIRE
- WALL MOUNTED LUMINAIRE
- RECESSED DOWNLIGHT LUMINAIRE
- RECESSED WALLWASH LUMINAIRE
- POLE ARM-MOUNTED AREA LUMINAIRE; ARROW INDICATES DIRECTION OF LIGHT DISTRIBUTION WHEN NOT PARALLEL TO ARM ORIENTATION
- POST-TOP PEDESTRIAN-SCALE AREA LUMINAIRE; ARROW INDICATES DIRECTION OF LIGHT DISTRIBUTION
- WALL MOUNTED EXIT SIGN, ARROWS AS NOTED ON PLANS. SHADED AREA INDICATES NUMBER OF FACES

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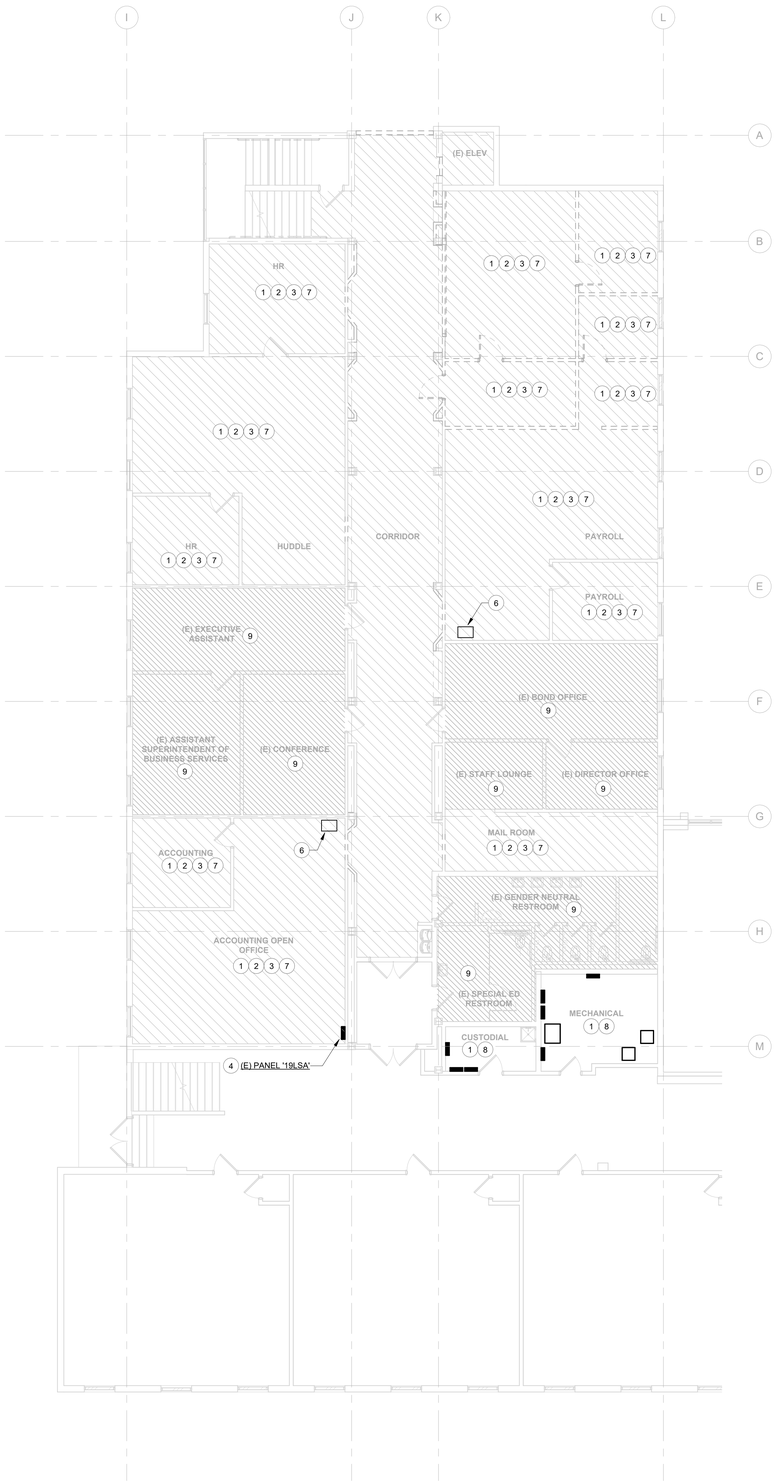
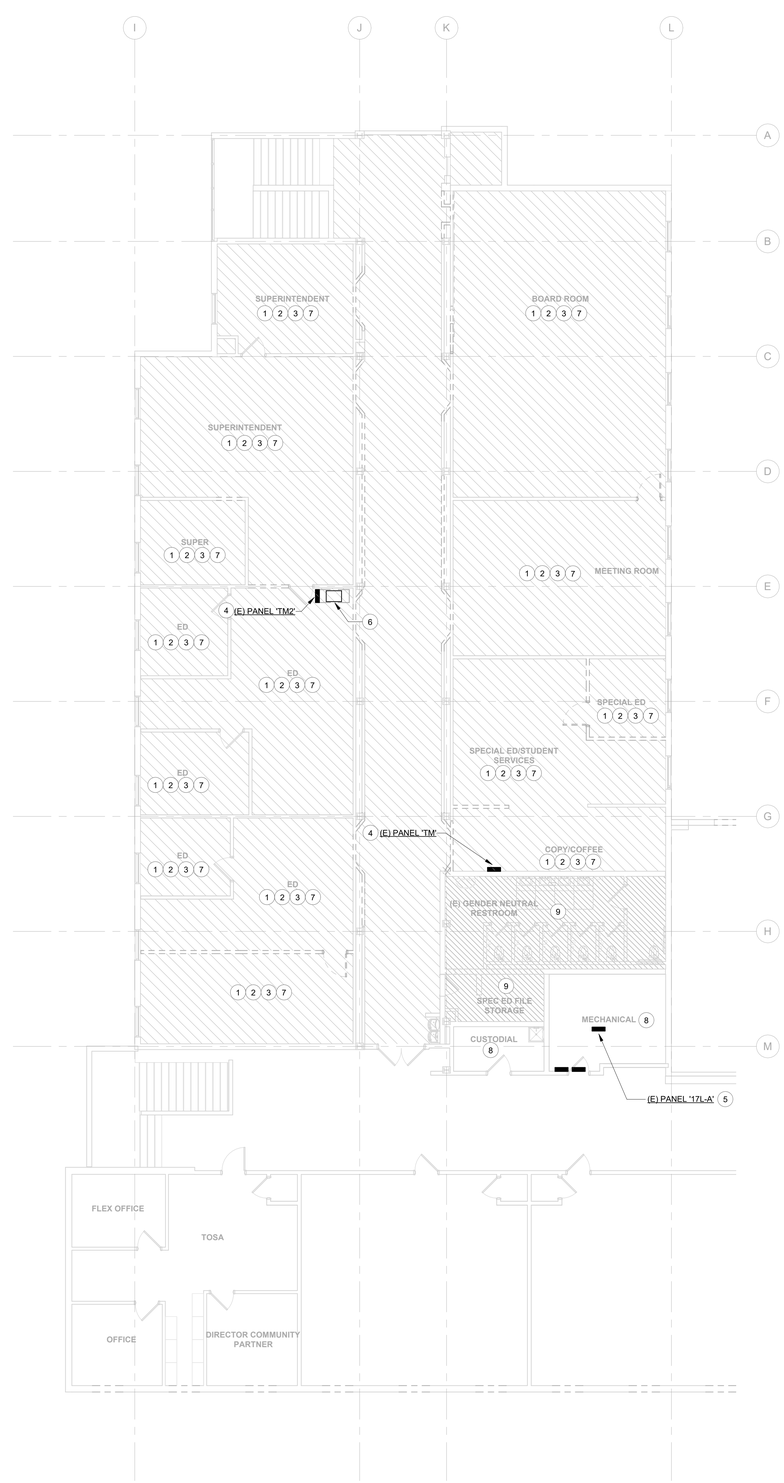
ELECTRICAL SYMBOLS LIST

E-002

SAN RAFAEL CITY SCHOOLS DISTRICT OFFICE - 224052 R23



1 LEVEL 1 DEMO PLAN - ELECTRICAL
1/8" = 1'-0"

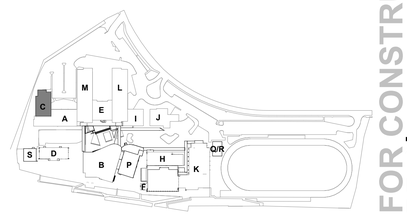


2 LEVEL 2 DEMO PLAN - ELECTRICAL
1/8" = 1'-0"

SHEET NUMBERED NOTES

1. DISCONNECT AND REMOVE ALL EXISTING LUMINAIRES AND ASSOCIATED CONTROLS IN THIS ROOM. INCLUDE ALL RELATED LUMINAIRE CONTROLS CONDUIT, WIRING AND BACK BOXES. EXISTING LUMINAIRE POWER CIRCUITRY IS TO REMAIN TO BE REUSED. REMOVE EXISTING FLEX CONDUIT EXTENSIONS, WHERE PRESENT, BACK TO NEAREST BOX TO REMAIN.
2. DISCONNECT AND REMOVE ALL EXISTING RECEPTACLES, TELECOM OUTLETS, CLOCKS, SPEAKERS AND BOXES IN THIS ROOM. INCLUDE ALL RELATED CONDUIT, WIRING AND BACK BOXES BACK TO NEAREST JUNCTION TO REMAIN, U.O.N.
3. DISCONNECT AND REMOVE ALL EXISTING FIRE ALARM DEVICES AND EQUIPMENT IN THIS ROOM. INCLUDE ALL RELATED CONDUIT, WIRING AND BACK BOXES BACK TO NEAREST JUNCTION TO REMAIN, U.O.N.
4. EXISTING ELECTRICAL PANEL TO BE REMOVED. INCLUDE ALL ASSOCIATED CONDUIT AND WIRES BACK TO SOURCE.
5. EXISTING ELECTRICAL PANEL TO BE REPLACED. DISCONNECT EXISTING FEEDER AND EXISTING BRANCH CIRCUITRY TO REMAIN AND PRESERVE FOR RECONNECTION TO NEW PANEL. SEE E-301.
6. EXISTING TELECOM RACK TO BE REMOVED. INCLUDE FIBER FEEDER WIRE BACK TO SOURCE, ASSOCIATED PUNCH-DOWN BLOCKS, IF PRESENT, AND ASSOCIATED POWER SOURCES.
7. EXISTING EXPOSED SURFACE MOUNTED CONDUIT IN THIS AREA THAT IS SERVING EXISTING EQUIPMENT OR DEVICES TO REMAIN IS TO REMAIN, PROTECTED IN PLACE.
8. EXISTING ELECTRICAL AND SIGNAL EQUIPMENT AND ALL ASSOCIATED DEVICES IN THIS ROOM IS TO REMAIN, PROTECTED IN PLACE.
9. NO ELECTRICAL SCOPE IN THIS ROOM.

KEY PLAN



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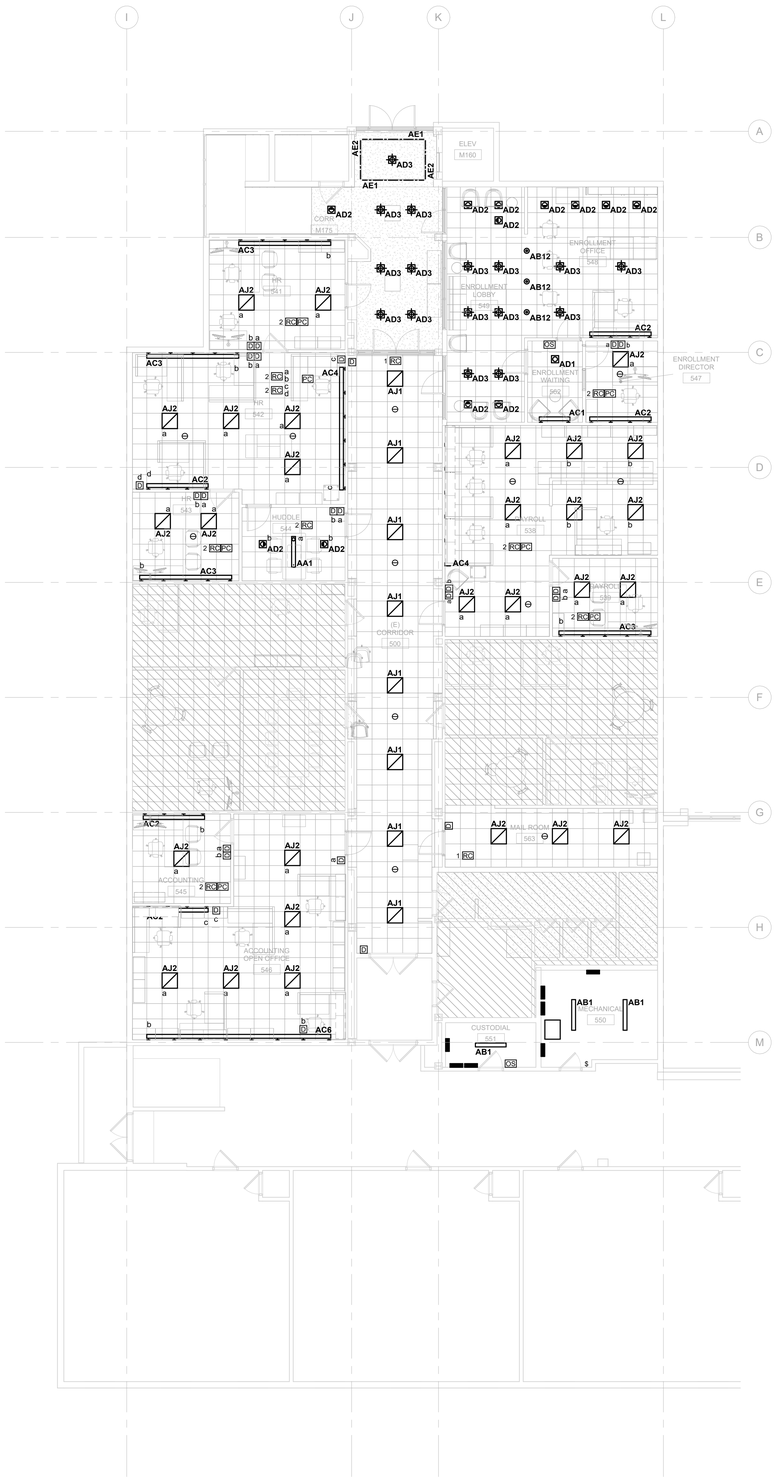
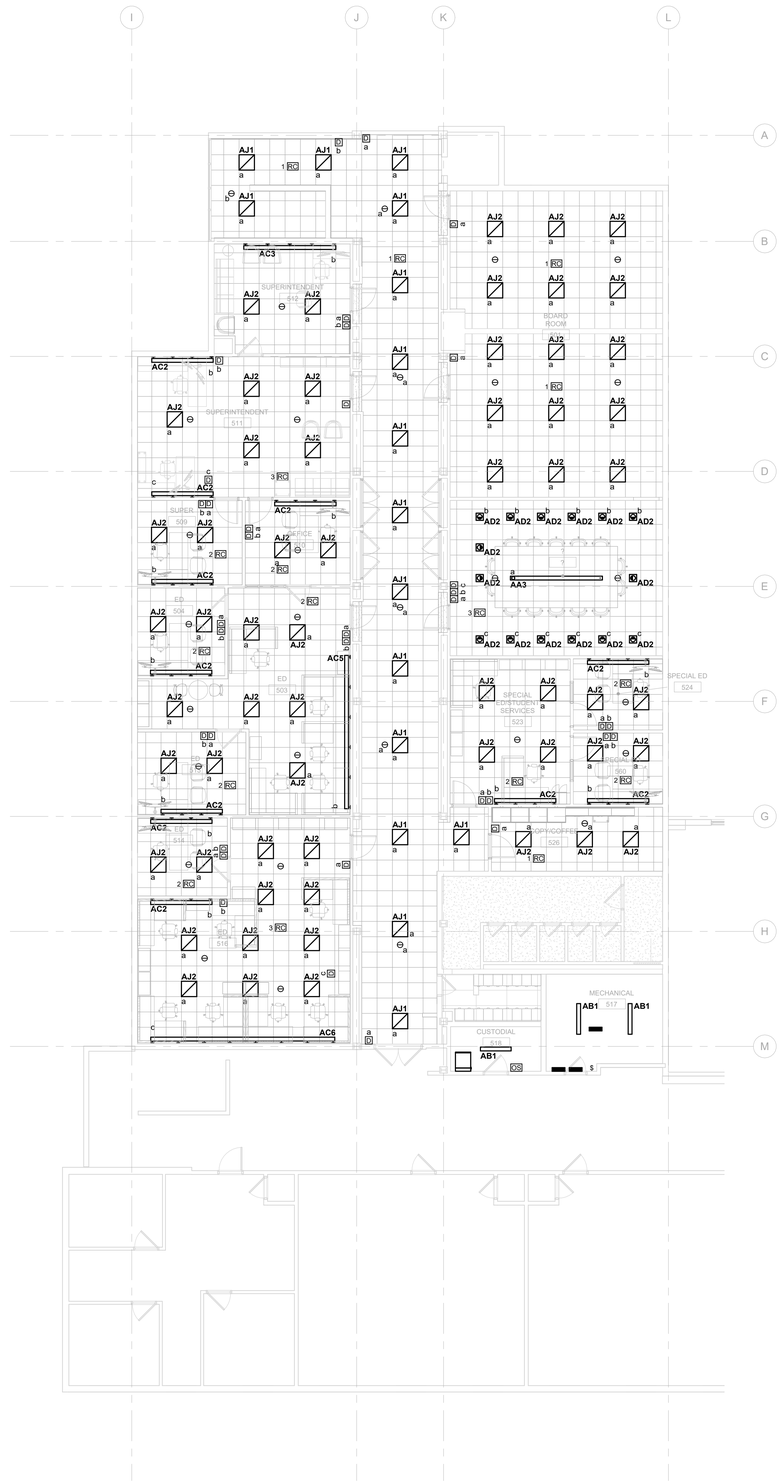
DEMO PLANS - ELECTRICAL

E-101



1 LEVEL 1 FLOOR PLAN - LIGHTING
1/8" = 1'-0"



2 LEVEL 2 FLOOR PLAN - LIGHTING
1/8" = 1'-0"

SHEET NUMBERED NOTES

1. XXXXXXXXXXXXXXXXXXXXXX

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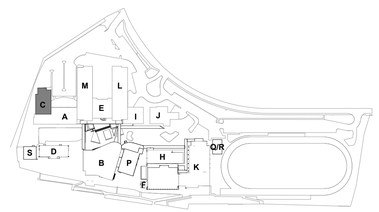
KEY PLAN



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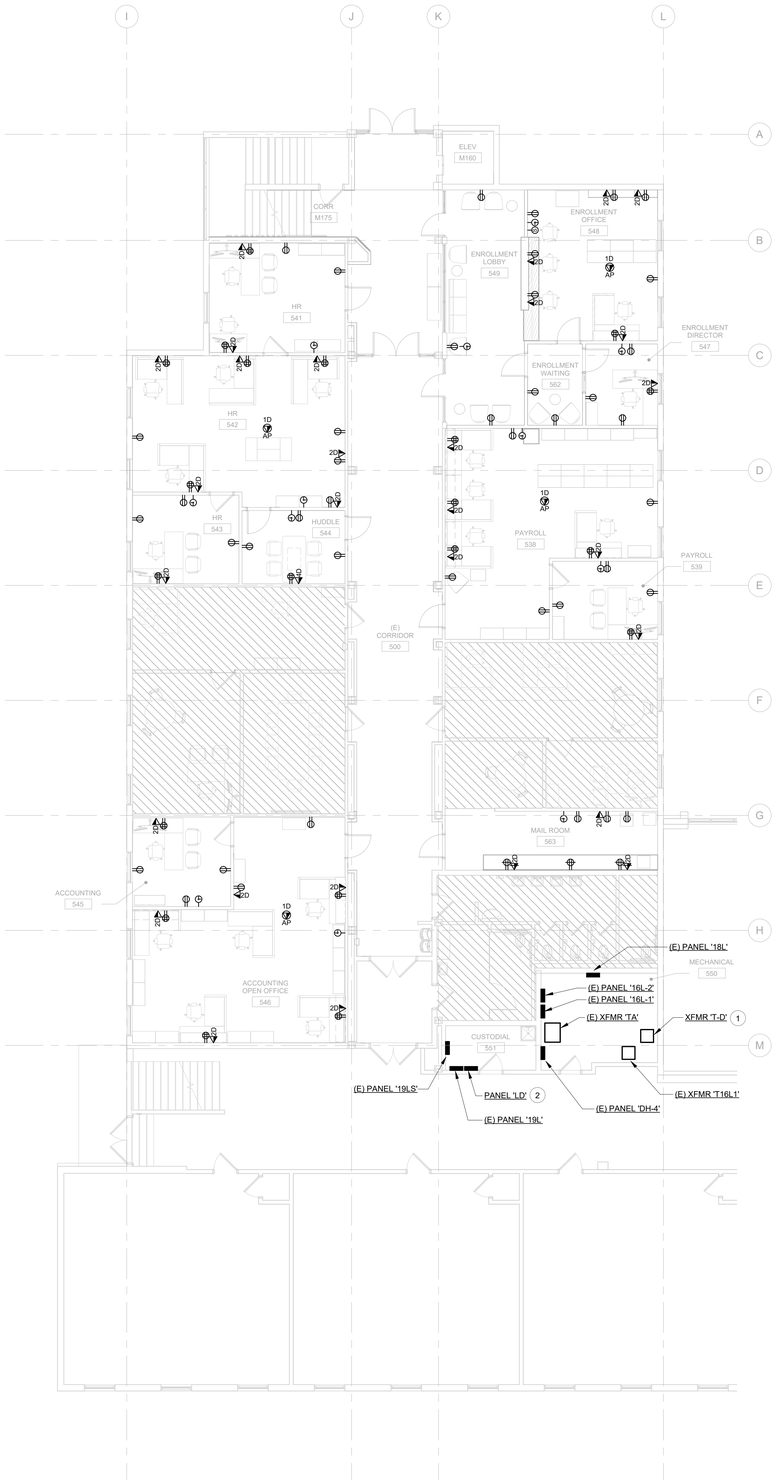
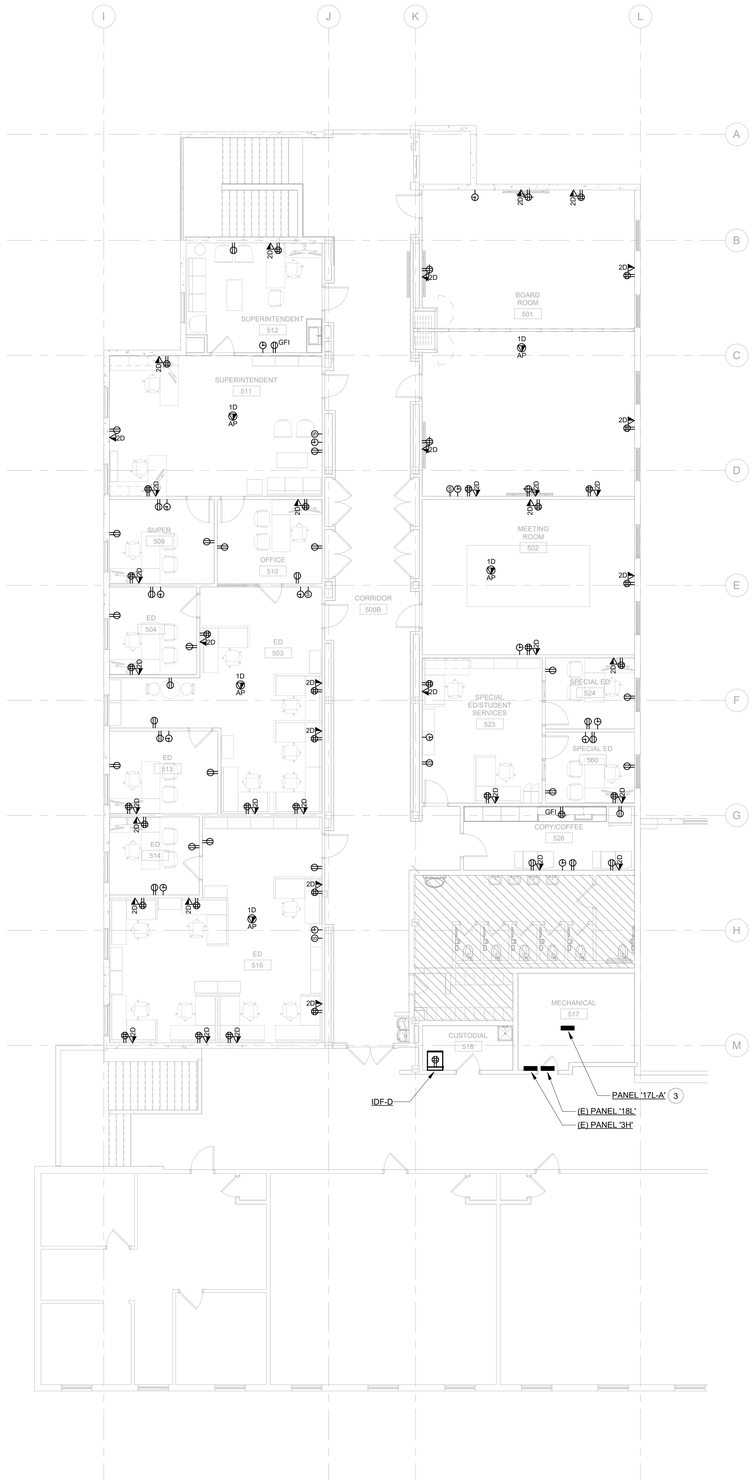
FLOOR PLANS - LIGHTING

E-201



1 LEVEL 1 FLOOR PLAN - POWER & SIGNAL
1/8" = 1'-0"

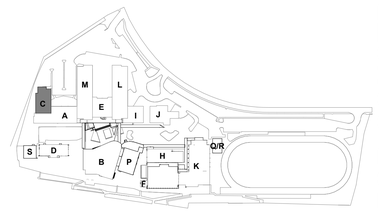


2 LEVEL 2 FLOOR PLAN - POWER & SIGNAL
1/8" = 1'-0"

SHEET NUMBERED NOTES

1. PROVIDE NEW 75KVA TRANSFORMER. CONNECT COMPLETE TO EXISTING SPARE 125A/3P CIRCUIT BREAKER IN EXISTING PANEL 'DH-4', USING (3) #1/0 + (1) #6G. IN 1.5" CONDUIT.
2. PROVIDE NEW 225A, 120/208V, 3-PHASE, 4-WIRE PANEL. CONNECT COMPLETE TO NEW TRANSFORMER 'TD' USING (4) #4/0 + (1) #4G. IN 3" CONDUIT.
3. PROVIDE NEW 225A, 120/208V, 3-PHASE, 4-WIRE PANEL AT SAME LOCATION AS REMOVED PANEL. CONNECT COMPLETE EXISTING FEEDER AND EXISTING BRANCH CIRCUITRY PRESERVED DURING DEMOLITION PHASE. SEE E-101.
4. WALL MOUNTED IDF CABINET. PROVIDE CHATSWORTH CUBE-IT # 12419-748, OR EQUAL. PROVIDE WITH POWER STRIP, #12820-705, MOUNTED INSIDE CABINET. PROVIDE DEDICATED ENUTRAL TO IDF QUAD RECEPTACLE.

KEY PLAN



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San Rafael City Schools
SAN RAFAEL CITY SCHOOLS
310 Nova Albion Way, San Rafael, CA 94903

SRCS District Office - Business Services & Capital Facilities

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REGISTERED PROFESSIONAL ENGINEER PIETER J. COLENBRANDER No.E14738 Exp. 6/25 ELECTRICAL STATE OF CALIFORNIA

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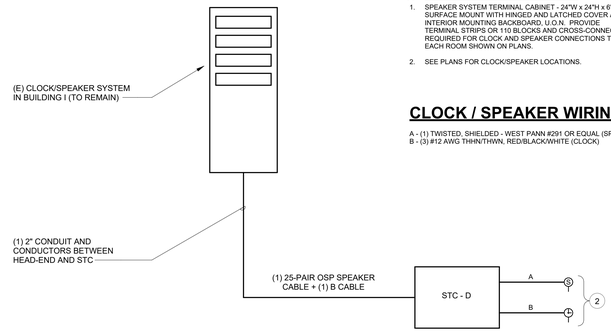
FLOOR PLANS - POWER & SIGNAL

E-301



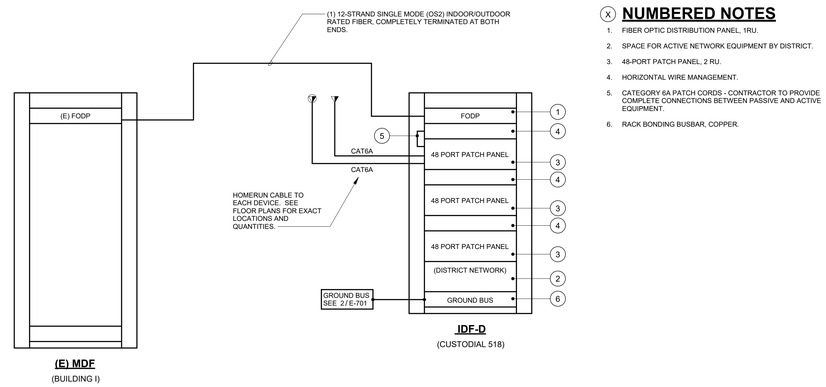
2 SINGLE LINE DIAGRAM - CLOCK/SPEAKER
NO SCALE

(X) NUMBERED NOTES

1. SPEAKER SYSTEM TERMINAL CABINET - 24"W x 24"H x 6"D. SURFACE MOUNT WITH HINGED AND LATCHED COVER AND INTERIOR MOUNTING BACKBOARD, U.O.N. PROVIDE TERMINAL STRIPS OR 110 BLOCKS AND CROSS-CONNECT AS REQUIRED FOR CLOCK AND SPEAKER CONNECTIONS TO EACH ROOM SHOWN ON PLANS.
2. SEE PLANS FOR CLOCK/SPEAKER LOCATIONS.

CLOCK / SPEAKER WIRING LEGEND

A - (1) TWISTED, SHIELDED - WEST PANN #291 OR EQUAL (SPEAKER)
B - (3) #12 AWG THHN/THWN, RED/BLACK/WHITE (CLOCK)



1 SINGLE LINE DIAGRAM - TELECOM
NO SCALE

(X) NUMBERED NOTES

1. FIBER OPTIC DISTRIBUTION PANEL, 1RU.
2. SPACE FOR ACTIVE NETWORK EQUIPMENT BY DISTRICT.
3. 48-PORT PATCH PANEL, 2 RU.
4. HORIZONTAL WIRE MANAGEMENT.
5. CATEGORY 6A PATCH CORDS - CONTRACTOR TO PROVIDE COMPLETE CONNECTIONS BETWEEN PASSIVE AND ACTIVE EQUIPMENT.
6. RACK BONDING BUSBAR, COPPER.

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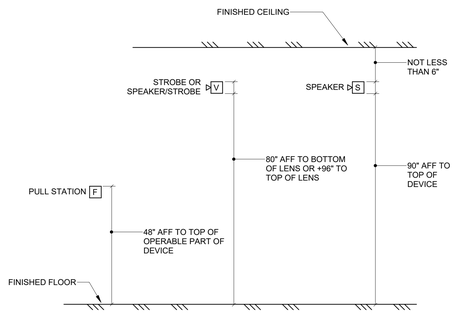
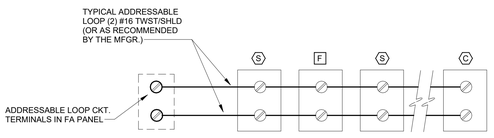
SINGLE LINE DIAGRAMS

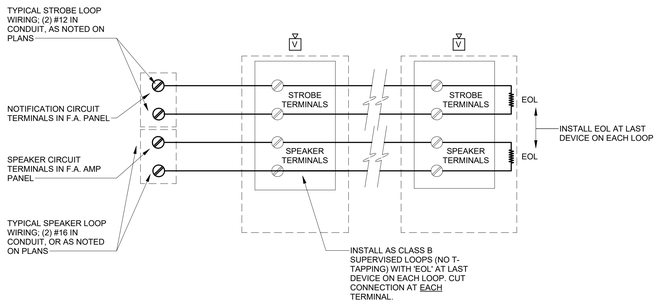
E-501



1 FIRE ALARM DEVICE MOUNTING HEIGHT DETAIL
NO SCALE



2 TYPICAL ADDRESSABLE INITIATION LOOP WIRING
NO SCALE



3 TYPICAL NOTIFICATION / SPEAKER CIRCUIT WIRING
NO SCALE

SEQUENCE OF OPERATION MATRIX

		RESPONSE									
		ANNUNCIATE AT FIRE ALARM CONTROL PANEL (FACP)	ANNUNCIATE AT FIRE ALARM ANNUNCIATOR PANEL (FAAP)	ANNUNCIATE AT OFF-SITE MONITORING STATION	ANNUNCIATE AUDIBLE/VISUAL DEVICES IN ALL AREAS	SHUTDOWN OF APPLICABLE HVAC UNIT AND/OR MOTORIZED DAMPERS	RELEASE APPLICABLE MAGNETICALLY HELD DOORS	ACTIVATE ELEVATOR RECALL	FACILITY PERSONNEL TO NOTIFY FIRE DEPARTMENT	ACTIVATE CO DETECTION SOUNDER BASE
ACTIVATION OF INITIATING DEVICES	MANUAL PULL STATION	X	X	X	X	X	X	X	X	
	AREA SMOKE OR HEAT DETECTOR	X	X	X	X	X	X	X	X	
	SPECIAL EXTINGUISHING ANSUL SYSTEM	X	X	X	X	X	X	X	X	
	DUCT SMOKE DETECTOR	X	X	X	X	X	X	X	X	
	SPRINKLER FLOW SWITCH	X	X	X	X	X	X	X	X	
	CARBON MONOXIDE (CO) DETECTOR	X	X							X
MALFUNCTION	INITIATION CIRCUITS	X	X	X						
	NOTIFICATION APPLIANCE CIRCUITS	X	X	X						
	FIRE ALARM CONTROL PANEL (FACP)	X	X	X						
	FIRE ALARM ANNUNICATOR PANEL (FAAP)	X	X	X						
	FIRE ALARM EXTENDER PANEL (FAEP) OR REMOTE AMPLIFIER	X	X	X						
	POWER FAILURE	X	X	X						
SUPERVISORY ACTIVITIES	SPRINKLER TAMPER SWITCH	X	X	X						
	POST INDICATOR VALVE	X	X	X						
	CHECK VALVE TAMPER SWITCH	X	X	X						

SEQUENCE OF OPERATION NOTES

1. ACTIVATION OF ANY INITIATION DEVICE WILL PLACE THE FIRE ALARM CONTROL PANEL IN ALARM MODE AND WILL ACTIVATE ALL NOTIFICATION APPLIANCES. THE FIRE ALARM CONTROL PANEL SHALL DISPLAY THE ZONE (NON-ADDRESSABLE) OR DEVICE (ADDRESSABLE) OF THE ACTIVATED INITIATION DEVICE(S).
2. UPON ALARM CONDITION, AUTO-DIALER TO NOTIFY THE OFF-SITE MONITORING STATION, AND AUTHORIZED SCHOOL PERSONNEL SHALL NOTIFY THE FIRE DEPARTMENT AND INITIATE EVACUATION OF STUDENTS AND FACULTY AS PER THE SCHOOL'S EVACUATION PLAN.
3. WHEN THE PANEL IS ALARM CONDITION, THE NOTIFICATION APPLIANCES MAY BE DEACTIVATED ("SILENCED") AT THE FIRE ALARM CONTROL PANEL. ACTIVATION OF ANOTHER INITIATION DEVICE WILL PLACE THE CONTROL PANEL BACK IN ALARM CONDITION AND WILL AGAIN ACTIVATE ALL NOTIFICATION APPLIANCES.
4. FAILURE OF THE FIRE ALARM SYSTEM COMPONENTS, WIRING OR POWER SUPPLY SHALL PLACE THE FIRE ALARM CONTROL PANEL IN TROUBLE CONDITION, RESULTING IN AN AUDIBLE AND VISUAL (LED) ALARM AT THE FIRE ALARM CONTROL PANEL ONLY. THE AUDIBLE ALARM MAY BE SILENCED AT THE CONTROL PANEL, BUT THE VISUAL ALARM WILL REMAIN ACTIVE UNTIL THE FAILED CONDITIONS ARE CORRECTED AND CLEARED.
5. UPON TROUBLE CONDITION, AUTO-DIALER TO NOTIFY THE OFF-SITE MONITORING STATION, AND AUTHORIZED SCHOOL PERSONNEL SHALL NOTIFY THE AUTHORIZED TECHNICIAN TO CORRECT THE TROUBLE CONDITION.
6. UPON CO DETECTION, IT SHALL ANNUNCIATE AN ALARM AT THE FACP AND REMOTE ANNUNCIATOR ONLY AND SHALL ACTIVATE THE CO DETECTOR SOUNDER BASE WITH TEMPORAL 4 FORM IN THE CLASSROOM. SCHOOL PERSONNEL TO NOTIFY THE OCCUPANTS IMMEDIATELY AND INITIATE EVACUATION OF STUDENTS & FACULTY.

GENERAL FIRE ALARM NOTES

1. FINAL FIRE ALARM TEST SHALL BE MADE WITH THE DSA INSPECTOR OF RECORD (IOR). LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF DATE AND TIME OF FINAL ALARM TESTING AND SHALL ASSIST/WITNESS SUCH TESTING WHEN ABLE. DSA/ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF (48) HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.
2. FIRE ALARM CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2. MONITORING SHALL BE TESTED AND VERIFIED AS SENDING THE CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT AND/OR PROVISIONS
3. UNDERGROUND AND EXTERIOR CONDUITS SHALL HAVE WATERTIGHT FITTINGS.
4. FIRE ALARM DEVICE MOUNTING HEIGHTS:
   a. PULL STATION: 48" TO TOP OF OPERATOR ABOVE FINISHED FLOOR
   b. SPEAKER INTERIOR/EXTERIOR: 90" MIN. TO TOP OF DEVICE ABOVE FINISHED FLOOR, OR 100" MAX TO TOP OF DEVICE, BUT NOT LESS THAN 6" FROM CEILING.
   c. WALL MOUNTED STROBE OR SPEAKER/STROBE : BETWEEN 80" TO BOTTOM OF DEVICE LENS TO +96" TO TOP OF DEVICE LENS ABOVE FINISH FLOOR, BUT NOT LESS THAN 6" FROM CEILING.
   d. CONTROL PANELS / ANNUNCIATORS: 48" TO BOTTOM OF EQUIPMENT.
5. AUDIBLE FIRE ALARM SYSTEM LEVEL SHALL BE AT LEAST 15dBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL IN ALL OCCUPIABLE AREAS, OR 5 dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, MEASURED AT 5 FEET ABOVE THE FLOOR. AUDIBLE SIGNALS SHALL NOT BE LESS THAN 75dBA AT 10 FEET, OR MORE THAN 110dBA AT THE MINIMUM HEARING DISTANCE.
6. AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL THREE DISTINCTIVE FIRE ALARM SOUND PER NFPA 72.
7. APPLICABLE CODES:
   a. CBC 2019; CEC 2019; CMC 2019; CFC 2019.
   b. STATE FIRE MARSHAL TITLE 19, PUBLIC SAFETY.
   c. NFPA 72, 2016 EDITION W/CA AMENDMENTS, FIRE ALARM CODE.
8. STROBES SHALL FLASH AT A RATE NOT EXCEEDING TWO FLASHES PER SECOND, AND NOT LESS THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISUAL DEVICES WITHIN 55 FEET OF EACH OTHER SHALL BE SYNCHRONIZED.
9. FIRE ALARM CONTRACTOR SHALL PROVIDE A COPY OF NFPA 72 SYSTEM RECORD OF COMPLETION, SYSTEM RECORD OF INSPECTION AND TESTING, AND THE "EMERGENCY COMMUNICATIONS SUPPLEMENTARY RECORD OF COMPLETION", TO THE INSPECTOR OF RECORD IOR/DSA, SCHOOL DISTRICT, ARCHITECT AND LOCAL FIRE AUTHORITY.
10. POWER SERVICE TO THE FACP, REMOTE POWER SUPPLIES, AND CENTRAL STATION AUTO DIALER SHALL BE ON A DEDICATED BRANCH CIRCUIT WITH A RED MARKING AND IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL".
11. INSTALL ALL WIRING IN CONDUIT, MIN. 3/4" CONDUIT. ALL FIRE ALARM SYSTEM WIRING SHALL BE FPL (FIRE POWER LIMITED) OR FPLP (FIRE POWER LIMITED PLENUM RATED) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE THHN OR THWN.
12. CONDUIT AND WIRING SHALL BE PER MANUFACTURERS REQUIREMENTS.
13. ALL FIRE ALARM COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICES/EQPT. SHALL EXCEED 20LBS. WITHOUT SPECIAL MOUNTING DETAILS.
14. INSTALLATION OF SYSTEM SHALL NOT BE STARTED UNTIL COMPLETE SET OF CONSTRUCTION DOCUMENTS (WITH DEVICE TYPES AND LISTINGS) HAVE BEEN REVIEWED AND APPROVED BY DSA.
15. A STAMPED SET OF APPROVED PLANS SHALL BE ON THE JOB SITE AT ALL TIMES AND SHALL BE USED FOR INSTALLATION.
16. ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND ARCHITECT/ENGINEER OF RECORD.
17. THE CONTRACTOR SHALL INSTALL AND ADJUST ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
18. SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1 FOOT FROM FIRE SPRINKLER HEADS OR 3 FEET FROM ANY SUPPLY DIFFUSER. IN AREAS OF CONSTRUCTION OR POSSIBLE DAMAGE /CONTAMINATION, INSTALLED DEVICES SHALL BE COVERED UNTIL AREA IS READY TO BE TURNED OVER TO THE OWNER.
19. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE ALARM DEVICE. DO NOT SPLICE WIRE. THERE MUST BE AT LEAST 6" OF WIRE LEAD FROM THE BOX TO THE DEVICE. ALL BOXES TO BE SIZED PER CEC FOR PROPER VOLUME WITH INSTALLED WIRING AND DEVICES.
20. SUPERVISING STATION: AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72, AS AMENDED BY CFC CHAPTER 80. THE SUPERVISION STATION SHALL BE LISTED AS EITHER UUFX OR UUUS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011.
21. A DOCUMENTATION CABINET SHALL BE INSTALLED ADJACENT TO THE FACP IN THE MAIN ELECTRICAL ROOM (NFPA 72, 7.7.2.1). SPACE AGE ELECTRONICS INC, ACERBOX FAD SERIES (#SSU00685 OR EQUAL).
22. ALL RECORD DOCUMENTATION SHALL BE STORED IN THE DOCUMENTATION CABINET (NFPA 72, 7.7.2.3): PROVIDE NAMEPLATE "FIRE ALARM SYSTEM RECORD DOCUMENTS" (NFPA 72, 7.7.2.5).
23. FIRE ALARM MANUAL PULLSTATIONS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72 17.14.5 AND SHALL MEET THE CALIFORNIA ACCESSIBILITY REQUIREMENTS OUTLINED IN THE CBC. ("CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE TO ACTIVATE THE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS OF FORCE". REFER TO DSA ACCESSIBILITY STAFF FOR QUESTIONS OR CLARIFICATION.)
24. EXISTING CO DETECTION ALARM DOES NOT SEND GENERAL ALARM OR DIAL OUT. PROVIDES A TEMPORAL SOUND AT LOCAL SITE OF CO DETECTION & A TROUBLE NOTICE ON ANNUNCIATOR PANEL.

FIRE ALARM EQUIPMENT LIST

SYMBOL	DESCRIPTION	MANUFACTURER & MODEL NUMBER	CSFM LISTING NUMBER
FACP	(E) FIRE ALARM CONTROL PANEL (FOR REFERENCE ONLY)	SIEMENS FIREFINDER XLSV	7165-0067:0222
(S)	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR	SIEMENS FDO421	7272-0067:0258
(H)	ADDRESSABLE FIX TEMPERATURE HEAT DETECTOR (135F)	SIEMENS FDT421	7270-0067:0262
	ADDRESSABLE DETECTOR BASE	SIEMENS DB-11	7300-0067:0134
(R)	ADDRESSABLE RELAY MODULE	SIEMENS XTRI-R	7300-0067:0501
(S)	VISUAL STROBE, WALL MOUNT, SELECTABLE CANDELA UL 1971 PUBLIC MODE NOTIFICATION	WHEELOCK #ELSTWC	7135-0785:0504
(V) (S)	COMBINATION VISUAL STROBE AND SPEAKER (1W TAP), CEILING MOUNT, SELECTABLE CANDELA UL 1971 PUBLIC MODE NOTIFICATION	WHEELOCK #ELSPSTWC	7320-0785:0505

NOTICE TO CONTRACTORS:

THE SYSTEM DESIGN IS BASED ON THE PRODUCTS SHOWN ON THIS FIRE ALARM EQUIPMENT LIST AND HAS BEEN APPROVED BY DSA AS SUCH. DEVIATIONS FROM THE APPROVED DESIGN (FOR MANUFACTURER OR DEVICE LAYOUTS) MAY BE ALLOWED WITH THE APPROVAL BY THE ARCHITECT. HOWEVER, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REDESIGN AND RESUBMIT THE PLANS TO DSA FOR RE-APPROVAL.

DETECTOR SUBSCRIPT LEGEND:

"c" - DETECTOR TO BE LOCATED WITHIN ACCESSIBLE CEILING SPACE
"p" - DETECTOR TO BE LOCATED WITHIN 36" OF CEILING PEAK

FIRE ALARM WIRING LEGEND

TAG	DESCRIPTION	CABLING
A	INITIATION CIRCUIT	(2) #16 TWISTED/UNSHIELDED - WESTPENN 990S (OR WESTPENN AQC225 (WET))
B	STROBE NOTIFICATION CIRCUIT(S)	(2) #12 THHN/THWN
C	SPEAKER NOTIFICATION CIRCUIT(S)	(2) #16 SHIELDED SPKR CABLE - WESTPENN 991 (OR WESTPENN AQC294 (WET))
D	24V AUX POWER CIRCUIT	(2) #14 TWISTED/UNSHIELDED - WESTPENN 994S (OR WESTPENN AQC226 (WET))

NOTE:
CONTRACTOR SHALL VERIFY EXACT CABLE/WIRE TYPES WITH SYSTEM MANUFACTURER PRIOR TO ROUGH-IN. INSTALL WIRING IN 3/4" CONDUIT MIN.

FIRE ALARM SYSTEM DESCRIPTION

1. THE FIRE ALARM SYSTEM SHALL BE AN AUTOMATIC ADDRESSABLE SYSTEM WITH STYLE 4, CLASS B WIRING FOR IDC'S, NAC'S, AND SLC'S WITH EMERGENCY VOICE / ALARM COMMUNICATIONS.
2. PROVIDE COMPLETE PROGRAMMING, AND ALL NECESSARY DEVICES FOR COMPLETE SYSTEM.
3. PROVIDE AND INSTALL NEW EQUIPMENT, DEVICES AND REQUIRED MODULES AND PROVIDE CONNECTIONS COMPLETE FOR A FULLY FUNCTIONING EXPANSION OF THE EXISTING FIRE ALARM SYSTEM.
4. THE NAME OF THE SPECIFIC PERSON RESPONSIBLE FOR THE SYSTEM DESIGN IS CHRIS LIPPINCOTT (O'MAHONY & MYER).
5. SYSTEM INSTALLATION SHALL BE BY A LICENSED ELECTRICAL OR FIRE ALARM CONTRACTOR WITH A CALIFORNIA C-10 LICENSE, REGULARLY ENGAGED IN THE INSTALLATION AND COMMISSIONING OF FIRE ALARM SYSTEMS TO NFPA 72 STANDARDS. INSTALLING CONTRACTOR'S NAME AND CONTACT INFORMATION SHALL BE LISTED IN THE NFPA CLOSE OUT DOCUMENTATION AT COMPLETION OF PROJECT.

FIRE ALARM SCOPE OF WORK

1. PROVIDE (N) INITIATION AND NOTIFICATION DEVICES AT THE PROJECT AREAS OF WORK FOR (N) AUTOMATIC, ADDRESSABEL FIRE ALARM SYSTEM. REPROGRAM EXISTING FACP TO SUPPORT THE (N) DEVICES, FULLY NETWORKED TO THE (E) NOTIFIER FIRE ALARM NETWORK ALREADY ACTIVE AT THE CAMPUS.
2. REPROGRAM THE (E) FIRE ALARM NETWORK TO ACCOMMODATE THE (N) EQUIPMENT / DEVICES, TO ALLOW FULL ANNUNCIATION OF ALL (N) DEVICES AT THE (E) MAIN CAMPUS FACP, (E) MAIN CAMPUS ANNUNCIATOR, AND (E) OFF-SITE MONITORING.
3. TERMINATE EACH NOTIFICATION CIRCUIT TO THE (E) FAEP AS SHOWN ON PLANS AND RISER DIAGRAMS.
4. TERMINATE THE INITIATION CIRCUITS TO THE (E) FACP AS SHOWN ON PLANS AND RISER DIAGRAMS.
5. TERMINATE THE AUDIO SPEAKER CIRCUITS TO THE (E) FACP AS SHOWN ON PLANS AND RISER DIAGRAMS.
6. THE CONTRACTOR SHALL CONTACT THE LOCAL FIRE DEPARTMENT AND/OR EMERGENCY COMMUNICATIONS AUTHORITY TO OBTAIN LOCAL TESTING AND ACCEPTANCE CRITERIA FOR EMERGENCY RADIO RESPONDER CRITERIA. ARRANGE WITH THE LOCAL AUTHORITY FOR A PORTABLE EMERGENCY RADIO RESPONDER TEST AT THE COMPLETED PROJECT. FOR PASSING TESTS, DOCUMENT THE RESULTS OF THE TEST AND SUBMIT WITH PROJECT CLOSE-OUT DOCUMENTATION. FOR FAILED TESTS, DOCUMENT THE RESULTS OF THE TEST AND IMMEDIATELY PROVIDE IN WRITING TO THE PROJECT OR CONSTRUCTION MANAGER.

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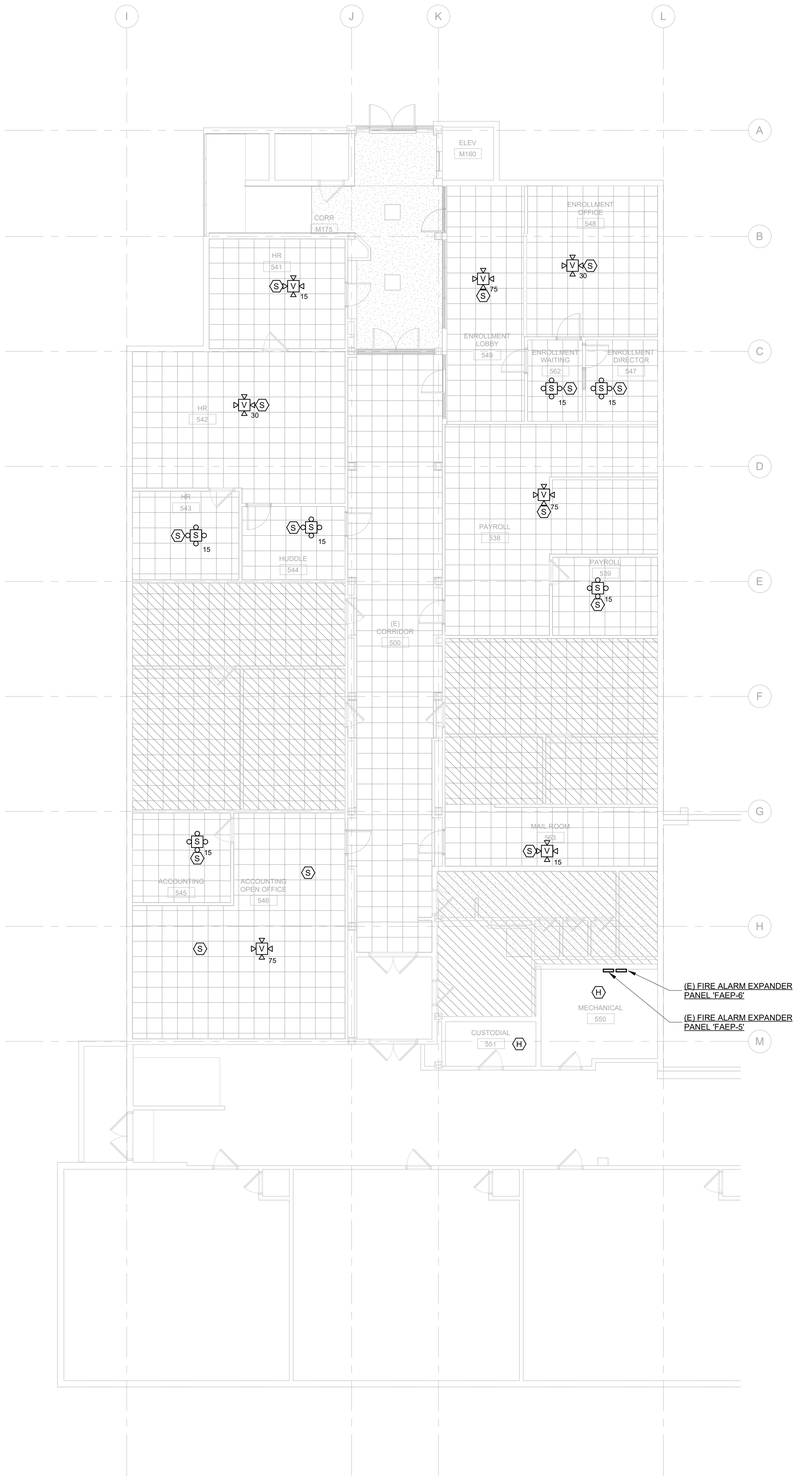
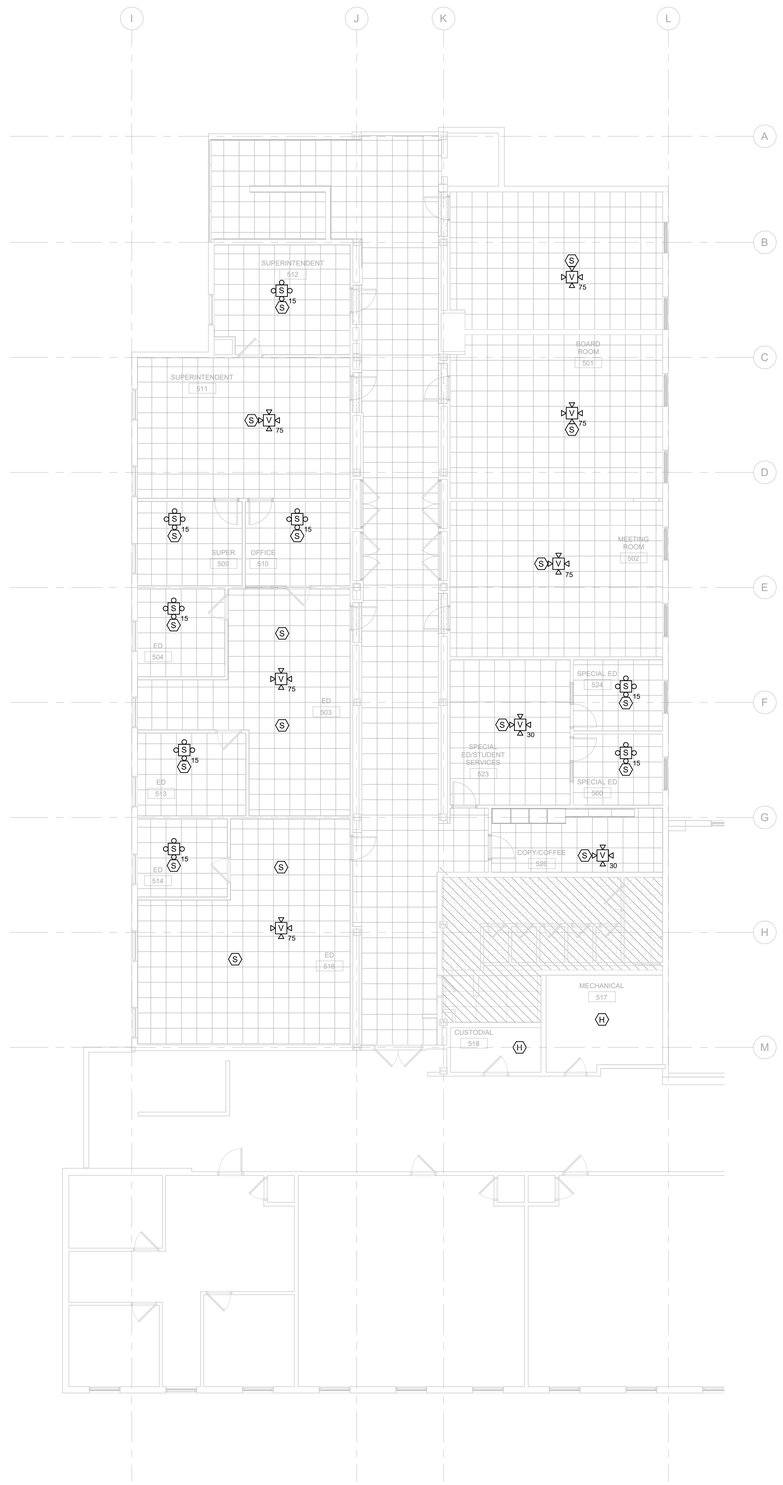
FIRE ALARM EQPM. LIST, GEN. NOTES & DETAILS

FE-001



1 LEVEL 1 FLOOR PLAN - FIRE ALARM
1/8" = 1'-0"

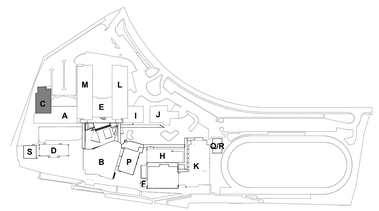


2 LEVEL 2 FLOOR PLAN - FIRE ALARM
1/8" = 1'-0"

SHEET NUMBERED NOTES

1. XXXXXXXXXXXXXXXXXXXXXX

KEY PLAN



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FLOOR PLANS - FIRE ALARM

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