DSA FILE #: 56-C1

PROJECT TRACKING #: 03-123842

422 EAST MAIN STREET, VENTURA, CA 93001

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CONSULTING ENGINEER

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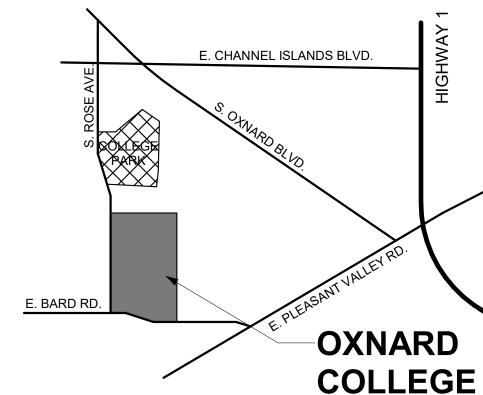
2

NO. REVISION

A IS

ZS

VICINITY MAP



OXNARD COLLEGE STEM CLASSROOM ALTERATION

4000 S ROSE AVE. OXNARD, CA 93033 APN: 224-001-224

GENERAL CONFORMANCE

PROJECT INFORMATION

PROJECT DESCRIPTION:

ALTER MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS IN AN EXISTING COMMUNITY COLLEGE CLASSROOM TO SUPPORT S.T.E.M. INSTRUCTION.

SITE INFORMATION: STREET ADDRESS

STREET ADDRESS:	4000 S ROSE AVE.
	OXNARD, CA 93033
APN:	224-001-224
ZONING:	COMMUNITY RESERVE
LOT SIZE:	NO CHANGE TO BLDG. FOOTPRINT
LAND USE:	COMMUNITY COLLEGE
EXISTING USE:	EDUCATION
PROPOSED USE:	EDUCATION

DING INFORMATION:	
NUMBER OF STORIES:	1
OCCUPANCY GROUP:	A-3, B
CONSTRUCTION TYPE:	VB
SPRINKLERED:	NO
MAX. HEIGHT ALLOWED:(PER 2022 CBC TABLE 504.3)	55'
MAX. HEIGHT PROPOSED:	NO CHANGE
ROOF RATING:	CLASS A
HIGH FIRE ZONE:	NO

PROJECT SCOPE

- ARCHITECTURAL CONSTRUCT FURRING FOR NEW POWER RECEPTACLES. INSTALL SUSPENDED CHANNEL STRUT FRAMING FOR OVERHEAD POWER REELS, REPLACE SUSPENDED CEILING TILES (NO ALTERATIONS TO SUSPENSION SYSTEM), MISCELLANEOUS WALL AND FLOOR FINISHES. ANCHOR TEACHING EQUIPMENT NOT PART OFF BUILDING SYSTEMS TO THE STRUCTURE MECHANICAL - PROVIDE NEW TYPE II EXHAUST HOOD, DUCT, AND ROOFTOP EXHUAST FAN. ADD OUTSIDE AIR INTAKE DUCTS AND
- ROOFTOP VENTS. PLUMBING - REPLACE EXISTING SINK AND CABINET.
- ELECTRICAL REDISTRIBUTE POWER IN CLASSROOM TO SUPPORT THE CURRICULUM AND EQUIPMENT THAT IS NOT PART OF THE BUILDING

BUILDING AREAS

AREAS - BUILDING (FLOORS)	
OVERALL GROUND FLOOR	+/- 37045 SF
TOTAL BUILDING AREA	+/- 37045 SF
	NO CHANGE TO EXISTING BUILDING AREA

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT

PROJECT DIRECTORY

	ADDRESS: 761 E. DAILY DR.
	CAMARILLO, CA 93010
	CONTACT: JACOB NORRIS, FACILITIES DIRECTO
	EMAIL: JNORRIS@VCCCD.EDU
	P:805-678-5023
ARCHITECT	RRM DESIGN GROUP
	ADDRESS: 422 E. MAIN ST.
	VENTURA, CA 93001
	CONTACT: MARTIN HARTMANN
	EMAIL: MHARTMANN@RRMDESIGN.COM
	P:805-597-5292
MECHANICAL	AE GROUP MECHANICAL ENGINEERS, INC.
ENGINEER	ADDRESS: 838 E. FRONT ST.
	VENTURA, CA 93001
	CONTACT: PHIL WHITE, PRESIDENT
	EMAIL: PHIL@AEGROUPME.COM

ELECTRICAL ENGINEER

APPLICANT

SAN LUIS OBISPO, CA 93401 CONTACT: JEFF THOMA EMAIL: JTHOMA@THOMAELEC.COM P:(805) 543-3850

THOMA ELECTRIC

STRUCTURAL RRM DESIGN GROUP **ENGINEER**

ADDRESS: 3765 S. HIGUERA ST, UNIT #102 SAN LUIS OBISPO, CA 93401

P:805-653-1722

CONTACT: JESSICA MEADOWS

EMAIL: JMMEADOWS@RRMDESIGN.COM

ADDRESS: 3562 EMPLEO ST. SUITE C

APPLICATION NO. 03-123842 FILE NO. 56-C1

DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT

DESIGN INTENT. AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS, AND THE PROJECT SPECIFICATIONS PREPARED BY ME. AND.

COORDINATION WITH MY PLANS AND SPECIFICATIONS, AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT

RELIEVING ME OF MY RIGHTS DUTIES AND RESPONSIBILITIES UNDER SECTION 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)).

LICENSE NUMBER

G-001

G-002

G-101

A-100

A-101

A-102

A-103

A-104 A-201

A-901

A-902

A-903

E-0.2

E-1.1

E-2.1

Grand total: 22

ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET THIS DRAWING OR PAGE

IS/ARE IN GENERAL CONFORMANCE ANDHAVE BEEN COORDINATED		☐ IS/ARE IN GENERAL CONFORMANCE☐ AND☐ HAVE BEEN COORDINATED		
Marti Hartwarm	03/21/2024			
SIGNATURE	DATE	SIGNATURE	DATE	
ARCHITECT OR ENGINEER DESIGNATE GENERAL RESPONSIBLE CHARGE	ED TO BE IN	ARCHITECT OR ENGINEER DESIGNAT GENERAL RESPONSIBLE CHARGE	ED TO BE IN	
MARTIN HARTMANN				
PRINT NAME		PRINT NAME		
C-37789	10/31/25			

LICENSE NUMBER

EXPIRATION

MECHANICAL & PLUMBING NOTES AND SCHEDULES

OVERALL MECHANICAL & PLUMBING CAMPUS PLAN

MECHANICAL & PLUMBING ROOF PLAN AND SECTIONS

GENERAL NOTES, LEGENDS, AND ABBREVIATIONS

MECHANICAL & PLUMBING FLOOR PLAN

MECHANICAL REFLECTED CEILING PLAN

MECHANICAL & PLUMBING DETAILS

SINGLE LINE DIAGRAM

POWER FLOOR PLAN

ELECTRICAL DETAILS

SHEET INDEX

TITLE SHEET OVERALL CAMPUS PLAN	 NFPA 170-18 STANDARD FOR FIRE SAFETY AND EMERGENCY SYMB NFPA 221-18 STANDARD FOR HIGH CHALLENGE FIRE WALLS, FIRE VAND FIRE BARRIER WALLS
GENERAL NOTES	NFPA 241 STANDARD FOR SAFEGUARDING CONSTRUCTION,
OVERALL FLOOR PLAN AND CODE ANALYSIS FLOOR PLANS REFLECTED CEILING PLANS ROOF PLAN & SECTIONS PROPOSED SUSPENDED CHANNEL FRAMING	 ALTERATIONS, AND DEMOLITION OPERATIONS NFPA 252-17 STANDARD METHODS OF FIRE TESTS DOOR ASSEMBL NFPA 253-19 STANDARD METHOD OF TEST FOR CRITICAL RADIANT OF FLOOR COVERING SYSTEMS USING A RADIANT HEAD ENERGY SOURCE
EXTERIOR ELEVATIONS DETAILS CHANNEL FRAMING DETAILS	NFPA 257-17 STANDARD FOR FIRE TEST FOR WINDOW AND GLASS EASSEMBLIES
ACCESSIBILITY DETAILS	REFERENCE 2022 CBC CHAPTER 35 FOR NFPA STANDARDS AND CA AMENDME

EXPIRATION

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AND STANDARDS AS OF JANUARY 1, 2023

2022 CALIFORNIA BUILDING STANDARDS CODE (CAL. CODE REGS., TITLE 24)

PART 1 - CALIFORNIA ADMINISTRATIVE CODE (CAC)

PART 2 - CALIFORNIA BUILDING CODE, VOLUMES 1 AND 2 (CBC)

PART 3 - CALIFORNIA RESIDENTIAL CODE (CRC) PART 4 - CALIFORNIA MECHANICAL CODE (CMC)

PART 5 - CALIFORNIA PLUMBING CODE (CPC) PART 6 - CALIFORNIA ENERGY CODE (CEC)

PART 7 - VACANT

 PART 8 - CALIFORNIA HISTORICAL BUILDING CODE (CHBC) PART 9 - CALIFORNIA FIRE CODE (CFC)

 PART 10 - CALIFORNIA EXISTING BUILDING CODE (CEBC) PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN)

PART 12 - CALIFORNIA REFERENCED STANDARDS CODE

CALIFORNIA CODE OF REGULATIONS TITLE 19, PUBLIC SAFETY

NATIONAL FIRE PROTECTION ACCOUNTION CTANDARDS

NATIO	ONAL FIRE PROTE	CTION ASSOCIATION STANDARDS:
•	NFPA 10-21	STANDARD FOR PORTABLE FIRE EXTINGUISHERS
•	NFPA 13-22	STANDARD FOR INSTALLATION OF SPRINKLER SYSTEMS
•	NFPA 14-19	STANDARD FOR THE INSTALLATION OF STANDPIPE AND
		HOSE SYSTEM
•	NFPA 24-19	INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR

APPURTENANCES NFPA 25-13CA INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS

NFPA 54-18 NATIONAL FUEL GAS CODE NFPA 72-22 NATIONAL FIRE ALARM AND SIGNALING CODE

NFPA 80-19 STANDARD FOR FIRE DOORS AND OTHER OPENINGI

NFPA 101-21 LIFE SAFETY CODE STANDARD FOR SMOKE DOOR ASSEMBLIES AND OTHER NFPA 105-19 **OPENING PROTECTIVES** NFPA 111-19 STANDARD ON STORED ELECTRICAL ENERGY EMERGENCY AND

STANDBY POWER SYSTEMS 30LS WALLS,

FLUX

PROJECT GENERAL NOTES

ALL WORK SHALL CONFORM TO THE 2022 EDITION TITLE 24 CALIFORNIA CODE

THE DRAWINGS AND SPECIFICATIONS AND ALL COPIES THEREOF, ARE LEGAL INSTRUMENTS OF SERVICE FOR THE USE OF THE OWNER AND AUTHORIZED REPRESENTATIVE ON THE DESIGNATED PROPERTY ONLY. OTHER USE, WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE ARCHITECT, IS PROHIBITED.

SPECIFICATIONS, DETAILS AND SCHEDULES WHICH MAY BE BOUND SEPARATELY, ARE PART OF THESE CONTRACT DOCUMENTS. DRAWINGS BY SEPARATELY CONTRACTED CONSULTING PROFESSIONALS (SUCH AS STRUCTURAL, INTERIORS OR LANDSCAPE) ARE SUPPLEMENTARY TO THE DESIGN DRAWINGS AND ARE PART OF THESE CONTRACT DOCUMENTS.

THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF INFORMATION IS NOT SHOWN OR IS UNCLEAR. REPORT APPARENT DISCREPANCIES ON DRAWINGS AND/OR SPECIFICATIONS TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK

THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVAL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND COORDINATING THE WORK FOR ALL UTILITIES AND SERVICES. ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS. QUESTIONS REGARDING THE SAME, OR THEIR EXACT MEANING, SHALL BE DIRECTED TO THE ARCHITECT CODE REQUIREMENTS: ALL WORK TO COMPLY WITH DIVISION OF THE STATE

ARCHITECT REGULATIONS AND CURRENT EDITION OF TITLE 24 CODE OF

CONSTRUCTION IS TO COMPLY WITH ALL APPLICABLE REQUIREMENTS OF CALIFORNIA ADMINISTRATIVE CODE. TITLE 24

EXISTING CONDITIONS: CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS DESIGNATED AS, OR REQUIRED TO, INTERFACE WITH NEW CONSTRUCTION. REPORT ANY DISCREPANCIES, DEFICIENCIES, OR CONDITIONS INCOMPATIBLE WITH PROPOSED CONSTRUCTION PRIOR TO PROCEEDING

11. IT IS THE RESPONSIBILITY OF THE G.C. TO INSTALL ALL TEMPORARY BRACING AND SHORING TO ENSURE THE SAFETY OF THE WORK UNTIL IT IS IN ITS COMPLETED FORM. DO NOT REMOVE EXISTING STRUCTURAL SUPPORTS OR STRUCTURAL ENGINEER

12. DIMENSIONS/ NOTES/ DETAILS: DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CONDITIONS IN FIELD, AND IMMEDIATELY REPORT ANY DISCREPANCIES OR EXISTING AND PROPOSED VARIATIONS TO THE ARCHITECT. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND COORDINATING DIMENSIONS. ALL WRITTEN DIMENSIONS TO TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS, AND DETAILS. SPECIFIC NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER ANY GENERAL NOTES OR DETAILS. CONDITIONS NOT SPECIFICALLY DETAILED SHALL BE CONSTRUCTED AS SIMILAR CONDITIONS DETAILED AND/OR INDICATED ON THE DRAWINGS. ANY WORK INSTALLED IN CONFLICT WITH THE DESIGN DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE

13. ALL EXTERIOR DIMENSIONS ARE TO ASSUMED FACE OF PLYWOOD SHEATHING OR FACE OF MASONRY UNO. INTERIOR DIMENSIONS ARE TO FACE OF GYPSUM BOARD FINISH OR CENTERLINE OF WALL UNO.

14. ONLY APPROVED WORKING DRAWINGS, WITH THE STATEMENT "APPROVED DRAWINGS", ARE TO BE USED FOR CONSTRUCTION OF THIS PROJECT. CONTRACTORS USING OTHER THAN APPROVED DRAWINGS ARE SOLELY RESPONSIBLE FOR SUCH WORK

15. GEOTECHNICAL REPORTS ARE NOT INCLUDED IN THE CONTRACT DOCUMENTS BUT MAY BE MADE AVAILABLE TO THE CONTRACTOR FOR INFORMATION ONLY. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR ANY CONCLUSIONS THE CONTRACTOR MAY DRAW FROM SUCH INFORMATION. THE CONTRACTOR SHALL INVESTIGATE AND DETERMINE EXISTING SOILS AND SITE CONDITIONS UNDER WHICH CONTRACTOR WILL OPERATE IN PERFORMING THE WORK.

16. THE CONTRACTOR IS TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF DEMOLITION AND CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL RESTRICT GENERAL PUBLIC ACCESS TO THE DEMOLITION. CONSTRUCTION. AND STORAGE AREAS

17. HAZARDOUS MATERIALS ARE NOT TO BE STORED IN THE BUILDING, NOR USED IN CONSTRUCTION, IN QUANTITIES EXCEEDING THOSE SPECIFIED IN THE CBC.

18. DURING DEMOLITION AND CONSTRUCTION THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THE EXISTENCE AND PRECISE LOCATION OF UNDERGROUND PIPING AND OTHER STRUCTURES WHICH MAY BE AFFECTED BY CONSTRUCTION. PROMPTLY NOTIFY EACH UTILITY COMPANY, MUNICIPALITY, OR OTHER AGENCY OWNING OR OPERATING ANY AFFECTED FACILITIES OR STRUCTURES, AND REQUEST ENGINEERING INFORMATION AND MARKING OF FACILITIES IN FIELD, PRIOR TO COMMENCING ANY WORK ON THE SITE. REMOVE ALL ITEMS SPECIFIED TO BE ABANDONED, AND TAKE CARE TO PREVENT ANY DAMAGE TO, OR DISRUPTION OF, ITEMS TO REMAIN.

19. WHERE FIRE-RATED WALL OR CEILING ASSEMBLIES ARE PENETRATED BY RECESSED FIXTURES, MECHANICAL DUCTS, OR OTHER ITEMS, THE FIXTURES, DUCTS, OR OTHER ITEMS SHALL BE FIRE-RATED TO MATCH THE WALL OR CEILING ASSEMBLY.

20. U.N.O. ALL EXTERIOR DOORS SHALL LIMIT AIR INFILTRATION WHEN IN CLOSED POSITION AS FOLLOWS: PROVIDE WEATHERSTRIPPING AT HEAD, SILL AND JAMBS. INSTALL ASTRAGAL AT MEETING PORTION OF DOUBLE DOORS. DOORS REQUIRING VERTICAL TRACKS OR GUIDES SHALL USE CONTINUOUS MOUNTING ANGLE, AND SHALL BE SEALED TO LIMIT AIR LEAKAGE.

21. CONTRACTOR SHALL PROVIDE AND INSTALL ALL STIFFENERS, BRACING, BLOCKING, BACKING, HANGERS, BACK-UP PLATES, AND SUPPORTING BRACKETS REQUIRED FOR THE INSTALLATION OF ALL CASEWORK, TOILET ROOM ACCESSORIES, FIXTURES, PARTITIONS, AND ALL WALL MOUNTED OR SUSPENDED MECHANICAL, KITCHEN, ELECTRICAL OR MISCELLANEOUS EQUIPMENT AND FURNISHING.

22. CONTRACTOR SHALL VERIFY EXACT SIZES AND LOCATIONS OF ALL MECHANICAL EQUIPMENT PADS, BASE STRUCTURES, ROOF OPENINGS, AS WELL AS POWER, WATER, DRAIN INSTALLATIONS AND STRUCTURAL STEEL SUPPORT LOCATIONS, WHEN APPLICABLE, WITH EQUIPMENT MANUFACTURERS BEFORE PROCEEDING WITH THE WORK. CHANGES TO ACCOMMODATE FIELD CONDITIONS OR APPROVED SUBSTITUTIONS SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER.

23. ALL PIPES, CONDUIT, WIRES, AND DUCTS SHALL BE CONCEALED FROM VIEW UNO.

24. ALL GLAZING INSTALLED IN HAZARDOUS LOCATIONS, AS DEFINED BY CBC CHAPTER 24. SHALL BE TEMPERED GLASS. SKYLIGHTS ARE TO BE TEMPERED GLASS OR FIBERGLASS AS SPECIFIED.

25. INSTALL SEALANT AT JOINTS AROUND WINDOW AND DOOR FRAMES, BETWEEN WALLS AND FOUNDATIONS, BETWEEN WALLS AND ROOF, BETWEEN WALL PANELS, AND AT PENETRATIONS OF UTILITIES THROUGH THE BUILDING ENVELOPE, TO LIMIT AIR INFILTRATION.

26. THE CONTRACTOR SHALL PROVIDE THE OWNER A LIST OF THE FEATURES MATERIALS, COMPONENTS, AND MECHANICAL DEVICES INSTALLED IN THE BUILDING, AND INSTRUCTIONS ON HOW TO USE THEM EFFICIENTLY. THE INSTRUCTIONS SHALL BE CONSISTENT WITH SPECIFICATIONS SET FORTH BY "CERTIFICATION OF COMPLIANCE" SHALL BE SUBMITTED AFTER THE INSTALLATION OF THE REQUIRED EQUIPMENT AND/OR MATERIAL, AND PRIOR TO ANY REQUEST FOR A FINAL INSPECTION.

27. ITEMS IN THESE DRAWINGS NOT SPECIFICALLY IDENTIFIED AS EXISTING ARE ASSUMED TO BE NEW

28. ALL ASTM AND/OR ANSI DESIGNATIONS REFERRED TO ON THESE DRAWINGS SHALL BE THE LATEST ADOPTED OR REVISED SPECIFICATIONS.

29. MATERIAL AND EQUIPMENT NECESSARY FOR WORK SHALL NOT BE PLACED OF STORED ON PUBLIC PROPERTY SO AS TO OBSTRUCT A FREE AND CONVENIENT APPROACH TO AND USE OF ANY FIRE HYDRANT, FIRE OR POLICE ALARM BOX, UTILITY BOX, CATCH BASIN OR MANHOLE OR SO AS TO INTERFERE WITH THE FREE FLOW OF WATER IN STREET OR ALLEY GUTTER. PROTECTION AGAINST DAMAGE SHALL BE PROVIDED TO SUCH UTILITY FIXTURES DURING THE PROGRESS OF THE WORK, BUT SIGHT OF THEM SHALL NOT BE OBSTRUCTED

30. WHERE NOT SPECIFICALLY DESCRIBED IN ANY OF THE NOTES OR SPECIFICATIONS, WORKMANSHIP SHALL CONFORM TO THE METHODS AND OPERATIONS OF BEST STANDARDS AND ACCEPTED PRACTICES OF THE RESPECTIVE TRADE

31. CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE STORED AND PLACED SO AS NOT TO ENDANGER THE PUBLIC, THE WORKERS OR ADJOINING PROPERTY FOR THE DURATION OF THE CONSTRUCTION PROJECT

32. REQUIRED EXITS, EXISTING STRUCTURAL ELEMENTS, FIRE PROTECTION DEVICES AND SANITARY SAFEGUARDS SHALL BE MAINTAINED AT ALL TIMES DURING REMODELING, ALTERATIONS, REPAIRS OR ADDITIONS TO THE BUILDING UNLESS THE REQUIRED ELEMENTS OR DEVICES ARE BEING REMODELED ALTERED, OR REPAIRED IN WHICH CASE ADEQUATE SUBSTITUTE PROVISIONS SHALL BE MADE

33. SERVICE UTILITY CONNECTIONS SHALL BE DISCONTINUED AND CAPPED IN ACCORDANCE WITH THE APPROVED RULES AND THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.

34. SANITARY FACILITIES SHALL BE PROVIDED DURING CONSTRUCTION, REMODELING, OR DEMOLITION ACTIVITIES IN ACCORDANCE WITH 2022 CPC.

 AREAS OF CONSTRUCTION, ALTERATION OR DEMOLITION SHALL BE PROVIDED WITH NOT LESS THAN ONE APPROVED PORTABLE FIRE EXTINGUISHER PER 2022

36. REQUIRED MEANS OF EGRESS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION, DEMOLITION, REMODELING, ALTERATIONS, AND ADDITIONS TO BUILDING UNLESS APPROVED TEMPORARY MEANS OF EGRESS SYSTEMS AND FACILITIES HAVE BEEN PROVIDED.

37. PENETRATIONS OF FIRE-RESISTANCE-RATED WALLS AND HORIZONTAL ASSEMBLIES SHALL BE PROTECTED AS REQUIRED IN CBC SECTIONS 714.4 AND

38. MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE AVAILABLE ON THE JOB SITE AT THE TIME OF INSPECTION.

39. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO PROVIDE SUPERVISION OF THE CONSTRUCTION WORK TO ENSURE THAT IT IS BUILT IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. THE ARCHITECT WILL PROVIDE ONLY PERIODIC OBSERVATION OF THE WORK. SEE DSA INSPECTION REQUIREMENTS LISTED IN NOTE 46.

40. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD & ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

41. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED IN THE DRAWINGS OR ACCEPTED BY THE ARCHITECT AND THE STRUCTURAL ENGINEER WITH THE APPROVAL OF DSA REPRESENTATIVE.

42. ALL WELDING SHALL BE SPECIALLY INSPECTED BY AN AWS-CWI QUALIFIED INSPECTOR APPROVED BY DSA.

43. ALL BRACING OF DUCTS AND PIPINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE AND SMACNA GUIDELINES AS APPROVED BY DSA (CBC WILL GOVERN WHERE CONFLICTS OCCUR). THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT. MECHANICAL ENGINEER AND FIELD ENGINEER. A COPY OF THE GUIDELINES PUBLISHED BY SMACNA AND APPROVED BY DSA SHALL BE PROVIDED BY THE CONTRACGTOR AND KEPT ON THE JOB AT ALL TIMES.

44. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE APPROVED DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24 C.C.R., A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPARI WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR

45. CHANGES TO APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CHANGE ORDER APPROVED BY THE DIVISION OF THE

STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1, T24 C.C.R. 46. A DSA CERTIFIED INSPECTOR WITH CLASS 3 SHALL BE EMPLOYED BY THE DISTRICT AND SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTION ARE DEFINED IN SECTION 4-342, PART 1, T24, C.C.R. THRE PROJECT INSPECTOR IS TO BE CERTIFIED BY DSA TO INSPECT

47. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE OWNER SHALL CONDECT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE **PROJECT**

48. ALL WORK (AS APPLICABLE) MUST MEET THE MANDATORY MEASURES OF THE 2022 CALIFORNIA GREEN BUILDING STANDARDS (CAL GREEN) CODE (TITLE 24,

FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH

THE APPLICABLE REQUIREMENTS OF THIS CODE AND APPLICABLE PROVISIONS OF

49. THE SEISMIC ANCHORAGE OF MECHANICAL AND ELECTRICAL EQUIPMENT SHALL CONFORM TO C.C.R. TITLE 24, 2022 CBC CHAPTER 16A. ANCHORAGE DETAILS SHALL BE SHOWN ON THE PLANS

CFC CHAPTER 33

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PROJECT MANAGER **DRAWN BY** CHECKED BY DG 03/18/2024 **PROJECT NUMBER** 3104-01-ED23 DS

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CONSULTING ENGINEER

-(E) DRINKING FOUNTAIN, REMOVE AND REPLACE WITH

NEW HI-LO UNIT

OXNARD COLLEGE STEM CLASSROOM ALTERATION

PROJECT MANAGER DRAWN BY 03/18/2024 **PROJECT NUMBER** 3104-01-ED23

DSA

NO. REVISION

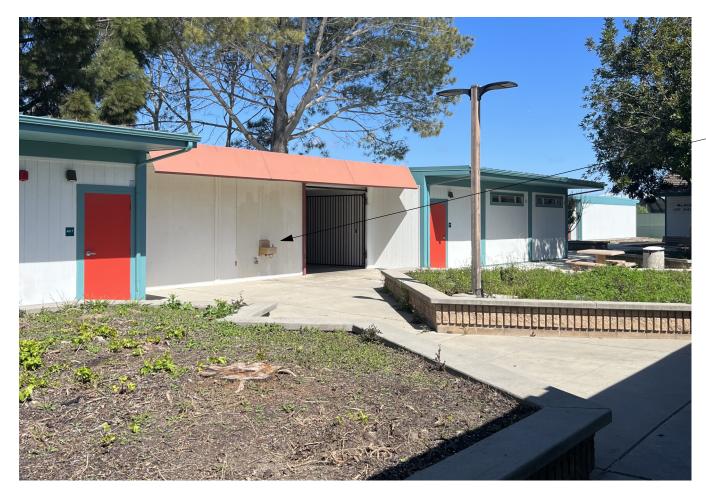
DATE

CHECKED BY

G-002

A-901 3 / G-002 ART GALLERY (EXISTING)

2 ENLARGED ART AND DESIGN BUILDING G-002 G-002 SCALE: 1/32" = 1'-0"



3 (E) DRINKING FOUNTAIN

G-002 SCALE: 1/4" = 1'-0"

	BUILDING NAME	DOA ADD NOS / A#Is	Her	OCCUPANCY	CONCEDUCTION TYPE	
		DSA APP. NOS. / A#'s	USE	OCCUPANCY	CONSTRUCTION TYPE	FIRE SPRINKLERS
Α	ADMINISTRATION/ CAMPUS POLICE	03-103631, 101943, 104943	ADMIN. OFFICES	В	VB	NS
AD	ART AND DESIGN NORTH/SOUTH HALL	03-121326	OFFICES AND CLASSROOMS	В	VB	NS
АТ	AUTO TECHNOLOGY	39524	CLASSROOMS, LABS, AND STORAGE	B, S-1	II	NS
СС	CONDOR CAFETERIA	03-109532, 43313	KITCHEN AND SERVICE	A-2	VB	NS
CDC	CHILD DEVELOPMENT CENTER	53954	OFFICES AND CLASSROOMS	B, E	II	NS
СН	CONDOR HALL	40181, 41511, 57603, 60132, 03-108615	LIBRARY, OFFICES, AND CLASSROOMS	A-3, B	II	SM
DH	DENTAL HEALTH	03-114597	OFFICES, LABS, AND CLASSROOMS	A-3, B	VB	NS
IT	INFORMATION AND TECHNOLOGY	NOT OCCUPIED BY STUDENTS	IT SERVICES	В	VB	NS
LA	LIBERAL ARTS	40181, 60132, 03-101943	OFFICES AND CLASSROOMS	A-3, B	VB	NS
LRC	LIBRARY/ LEARNING RESOURCE CENTER	03-110703	LIBRARY, OFFICES, AND CLASSROOMS	A-3, B	VB	NS
LS	LETTERS AND SCIENCES	60142	OFFICES, LABS, AND CLASSROOMS	В	II	NS
MG	MCNISH GALLERY	NOT OCCUPIED BY STUDENTS	ART GALLERY	A-3	VB	NS
М&О	MAINTENANCE AND OPERATIONS	NOT OCCUPIED BY STUDENTS	NON-SCHOOL BUILDING	B, S-1	II	NS
OE/ BS	OCCUPATIONAL EDUCATION/ BOOKSTORE	45784	BOOKSTORE, OFFICES CLASSROOMS, AND LABS	В	II	NS
ОМС	OXNARD MIDDLE COLLEGE HIGH SCHOOL	03-101774	OFFICES AND CLASSROOMS	B, E	VB	NS
PE	PHYSICAL EDUCATION/ GYMNASIUM	03-107789, 41674, 55312	GYMNASIUM, LOCKERS, CLASSROOMS, AND OFFICES	A-3	VB	NS
PAC	PERFORMING ARTS CENTER	03-111351	PERFORMANCE ARTS/ DIGITAL MEDIA	A-1	VB	NS
SS	STUDENT SERVICES	40469	OFFICES	В	V-B	NS

NOTE: PROJECT #03-121326 AT THIS CAMPUS IS UNDER CONSTRUCTION AS OF 11/30/2023. A# 03-101943, ASSOCIATED WITH THIS BUILDING, IS UNCERTIFIED AND THIS PROJECT CANNOT BE CERTIFIED UNTIL A# 03-101943 IS CERTIFIED.

OVERALL CAMPUS PLAN A-103 G-002 SCALE: 1" = 120'-0"

PROJECT AREA

LS

S. CAMPUS RD.

SEE 1/A-100

RESTROOMS

PER THIS SUBMITTAL A# 03-123842

DH

GARY DR.

CH

NEW NORTH

OPEN FIELD

M&O_

CDC

BS

THIS

SUBMITTAL A# 03-123842

E. BARD RD.

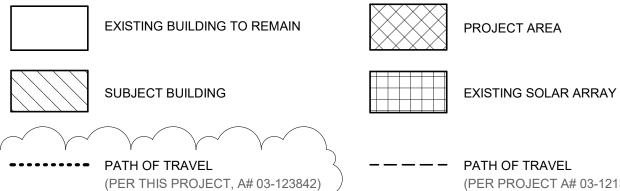
OMC

SS

OE

CAMPUS PLAN LEGEND

BARD RD



RESPONSIBLE CHARGE

DOCUMENTS.

EXISTING SOCCER FIELD

SOFT BALL

-ACCESSIBLE DRINKING

FOUNTAIN PER THIS SUBMITTAL A# 03-123842

PARKING PER A# 03-121326

CONSTRUCTION CHANGE DOCUMENT.

EXISTING BASEBALL FIELD

 \bigcirc

CONCESSIONS/

TRACK AND

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:

THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE 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

INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S

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 SO INDICATED ON THESE CONSTRUCTION

DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A

(PER PROJECT A# 03-121326)

AVE

ROSE

- WHERE THE MANUFACTURER'S INSTALLATION INSTRUCTIONS OR APPLICABLE ICC-ES EVALUATION SERVICES REPORT CALL FOR THE APPLICATION OF AN INSTALLATION TORQUE, THE SPECIFIED TORQUE SHALL BE APPLIED WITH A CALIBRATED TORQUE WRENCH. THE SPECIFIED INSTALLATION TORQUE SHALL NOT BE EXCEEDED.
- THE SPECIAL INSPECTOR SHALL BE ON THE JOBSITE DURING ANCHOR INSTALLATIONS AS REQUIRED PER CHAPTER 17 OF THE CODE, UNLESS OTHERWISE NOTED IN ICC-ES ESR, TO VERIFY ANCHOR, ANCHOR DIMENSIONS, CONCRETE TYPE, CONCRETE COMPRESSIVE STRENGTH, HOLE DIMENSIONS, ANCHOR SPACING, EDGE DISTANCES, SLAB THICKNESS, ANCHOR EMBEDMENT, AND INSTALLATION TORQUE.
- TEST LOAD: REQUIRED TEST LOADS SHALL BE DETERMINED BY ONE OF THE FOLLOWING METHODS:
- A. TWICE THE MAXIMUM ALLOWABLE TENSION LOAD OR ONE AND A QUARTER (1 1/4) TIMES THE MAXIMUM DESIGN STRENGTH PROVIDED BY THE ICC REPORT OR DETERMINED PER ACI 318, THE TENSION TEST LOAD NEED NOT TO EXCEED 80 PERCENT OF THE NOMINAL YIELD STRENGTH OF THE ANCHOR (0.8) As Fy). SEE STRUCTURAL DETAILS FOR DESIGN-BASED TENSION TEST LOADS FOR ADHESIVE ANCHORS.
- B. THE MANUFACTURER'S RECOMMENDED INSTALLATION TORQUE AS APPROVED BY THE ICC REPORT.
- TENSION OR TORQUE TESTING OF POST-INSTALLED ANCHORS SHALL BE DONE IN THE PRESENCE OF THE SPECIAL INSPECTOR AND A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE IOR AND ENFORCEMENT
- THE SPECIAL INSPECTOR SHALL SELECT ANCHORS FOR TESTING AT RANDOM.
- TEST FREQUENCY:

PPLICATION	QUANTITY
TRUCTURAL	100% OF BOLT

NON-STRUCTURAL 50%; ALTERNATE BOLTS IN A GROUP (SUCH AS EQUIPMENT ANCHORAGE) (TEST AT LEAST HALF OF THE ANCHORS IN GROUP)

SILL PLATE BOLTING 10% OF BOLTS

EXCEPTIONS:

- UNDERCUT ANCHORS THAT ALLOW VISUAL CONFIRMATION OF FULL SET SHALL NOT REQUIRE TESTING.
- B. WHERE THE FACTORED DESIGN TENSION ON ANCHORS IS LESS THAN 100 LBS AND THOSE ANCHORS ARE CLEARLY NOTED ON THE APPROVED CONSTRUCTION DOCUMENTS.
- WHERE ADHESIVE ANCHOR SYSTEMS ARE USED TO INSTALL REINFORCING DOWEL BARS IN HARDENED CONCRETE, ONLY 25 PERCENT OF THE DOWELS SHALL BE TESTED IF ALL OF THE FOLLOWING CONDITIONS
- THE DOWELS ARE USED EXCLUSIVELY TO TRANSMIT SHEAR FORCES ACROSS JOINTS BETWEEN EXISTING AND NEW CONCRETE.
- THE NUMBER OF DOWELS IN ANY ONE MEMBER EQUALS OR EXCEEDS 12.
- THE DOWELS ARE UNIFORMLY DISTRIBUTED ACROSS SEISMIC FORCE RESISTING MEMBERS (SUCH AS SHEAR WALLS, COLLECTORS, AND DIAPHRAGMS).
- D. TESTING OF SHEAR DOWELS ACROSS COLD JOINTS IN SLAB ON GRADE, WHERE THE SLAB IS NOT PART OF THE LATERAL FORCE-RESISTING SYSTEM SHALL NOT BE REQUIRED.
- TESTING IS NOT REQUIRED FOR POWER ACTUATED FASTENERS USED TO ATTACH TRACKS OF INTERIOR NON-SHEAR WALL PARTITIONS FOR SHEAR ONLY, WHERE THERE ARE AT LEAST THREE FASTENERS PER SEGMENT OF TRACK.
- TEST METHODS: TEST LOADS MAY BE APPLIED BY ANY METHOD THAT WILL EFFECTIVELY TRANSMIT A MEASURABLE TENSION LOAD TO THE ANCHOR, ACCEPTABLE METHODS INCLUDE:
- USE OF HYDRAULC JACK, WHEREBY EITHER UNCONFINED OR CONFINED TESTING SHALL BE ACCEPTABLE:
- USE OF CALIBRATED SPRING LOADED DEVICES; OR
- USE OF A CALIBRATED TORQUE WRENCH FOR TORQUE-CONTROLLED EXPANSION ANCHORS.
- ICC REPORT OR MANUFACTURER'S WRITTEN INSTRUCTION AS ACCEPTABLE TO OSHPD. FIELD TESTS SHALL SATISFY THE FOLLOWING MINIMUM REQUIREMENTS:
- A. HYDRAULIC RAM METHOD: ANCHORS TESTED WITH A HYDRAULIC JACK OR SPRING LOADED DEVICES SHALL MAINTAIN THE TEST LOAD FOR A MINIMUM OF 15 SECONDS AND SHALL EXHIBIT NO DISCERNABLE MOVEMENT DURING THE TENSION TEST, E.G. AS EVIDENCED BY LOOSENING OF THE WASHER UNDER THE NUT. SCREW ANCHORS MAY BE LOOSENED A MAXIMUM ONE FULL TURN TO FACILITATE THE POSITIONING OF A TENSION TEST COLLAR.
- TORQUE WRENCH METHOD: ANCHORS TESTED WITH A CALIBRATED TORQUE WRENCH MUST ATTAIN THE SPECIFIED TORQUE WITHIN HALF (1/2) TURN OF THE NUT.

EXCEPTIONS:

- WEDGE OR SLEEVE TYPE: ONE-QUARTER (1/4) TURN OF THE NUT FOR A 3/8 INCH ANCHOR ONLY.
- THREADED TYPE: ONE-QUARTER (1/4) TURN OF THE SCREW AFTER INITIAL SEATING OF THE SCREW
- IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE, INSTALLED BY THE SAME TRADE, AND NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME INITIAL TEST
- REQUIRED TORQUE TEST LOADS SHALL BE EQUAL TO THE MANUFACTURER'S RECOMMENDED INSTALLATION TORQUE PROVIDED IN THE ICC-ESR FOR THE SPECIFIC ANCHOR, TEST TORQUE VALUES ARE SUMMARIZED IN THE TABLE BELOW:

SIMPSON				
	INSTALLATION TORQUE (FT-LBS) CONCRETE SUBSTRATE			
LOCATION IN STRUCTURE	SIMPSON STRONG-BOLT2	SIMPSON TITEN HD		
INCHES	(ICC ES ESR 3037)	(ICC ES ESR-2713)		
X ₄	4	24		
¥	30	50		
Ϋ́	60	65		
Ж	90	100		
Ж	150	150		

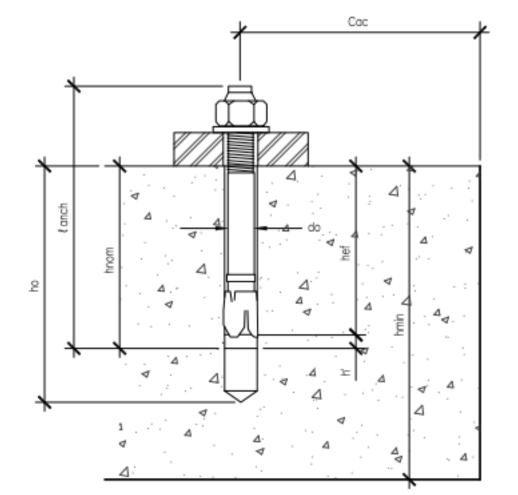
	HLTI					
		INSTALLATION	TORQUE (FT-LBS) CONC	RETE SUBSTRATE		
NOMINAL ANC	HOR DIAMETER	HILTI KWIK-BOLT TZ2	HILTI KWIK-BOLT TZ2	HILTI KH-EZ		
INCHES	METRIC	(ICC ES ESR-4266) CARBON STEEL	(ICC ES ESR-4266) STAINLESS STEEL	(ICC ES ESR-3027)		
И	M6			18		
Ж	M10	30	30	40		
Ŋ.	M12	50	40	50		
×	M16	40	60	85		
¥	M20	110	125	95		

POST-INSTALLED ANCHORS IN CONCRETE / MASONRY

- POST-INSTALLED ANCHOR CAPACITIES SHALL BE DETERMINED PER SECTION 1909A OF THE CODE USING STRENGTH DESIGN, POST INSTALLED ANCHORS IN CONCRETE USED FOR COMPONENT ANCHORAGE SHALL BE PREQUALIFIED FOR SEISMIC APPLICATIONS IN ACCORDANCE WITH ACI 355.2. POST INSTALLED ANCHORS IN MASONRY SHALL BE PREQUALIFIED FOR SEISMIC APPLICATIONS IN ACCORDANCE WITH APPROVED QUALIFICATION PROCEDURES.
- INSTALLATION OF POST-INSTALLED ANCHORS SHALL BE IN ACCORDANCE WITH THE APPLICABLE ICC EVALUATION REPORT.

SUBSTRATE MATERIAL	ANCHOR TYPE	ANCHOR PRODUCT	ICC EVALUATION REPORT	ACCEPTANCE CRITERIA
CONCRETE	EXPANSION ANCHORS	SIMPSON STRONGBOLT 2	ICC ESR-3037	AC193
CMU	EXPANSION ANCHORS	SIMPSON STRONGBOLT 2	IAPMO ES ER 240	AC01 OR AC106
CONCRETE	SCREW ANCHOR	SIMPSON TITEN HD	ICC ESR-2713	AC193
CMU	SCREW ANCHOR	SIMPSON TITEN HD	ICC ESR-1056	AC106
CONCRETE	ADHESIVE ANCHORS	SIMPSON SET-XP	ICC ESR-2508	AC193
CMU	ADHESIVE ANCHOR	SIMPSON SET-XP	IAPMO ES ER 265	AC58
CONCRETE	POWER ACTUATED FASTENER**	SIMPSON PDPAW	ICC ESR-2138	AC70

- EXPANSION ANCHOR EMBEDMENTS IN THE DRAWINGS ARE MINIMUM "EFFECTIVE EMBEDMENTS" (hef) AS SHOWN IN THE ICC REPORT CORRESPONDING TO THE ANCHOR.
- EFFECTIVE EMBEDMENT DEPTH OF ANCHOR
- hmin = MINIMUM SUBSTRATE THICKNESS INTO WHICH ANCHOR IS EMBEDDED Cac = CRITICAL SUBSTRATE EDGE DISTANCE
- MINIMUM HOLE DEPTH
- fanch = ANCHOR LENGTH PROJECTION OF ANCHOR BEYOND EFFECTIVE EMBEDMENT DEPTH
 - DIAMETER OF ANCHOR (EQUAL TO THREAD SIZE OF ANCHOR)
- hnom = NOMINAL EMBEDMENT DEPTH OF ANCHOR



- 4. LOCATE ALL EXISTING REINFORCEMENT BY NON-DESTRUCTIVE MEANS (X-RAY, PACOMETER, GPR, ETC.) PRIOR TO DRILLING OR INSTALLING POST-INSTALLED ANCHORS. COORDINATE POST-INSTALLED ANCHOR LOCATIONS WITH LOCATIONS OF EXISTING REINFORCEMENT, DO NOT CUT OR DAMAGE EXISTING REINFORCEMENT.
- 5. ALL POST-INSTALLED ANCHORS USED IN DRY INTERIOR CONDITIONS SHALL BE CARBON STEEL, U.N.O.
- ALL POST-INSTALLED ANCHORS USED AT EXTERIOR CONDITIONS, EXPOSED TO THE ELEMENTS, OR USED IN A DAMP ENVIRONMENT (I.E. KITCHENS) SHALL BE STAINLESS STEEL, U.N.O.
- WHERE POST-INSTALLED MECHANICAL ANCHORS ARE USED FOR NON-VIBRATION ISOLATED MECHANICAL EQUIPMENT RATED OVER 10 HP. THEY SHALL BE QUALIFIED IN ACCORDANCE WITH ACI 355.2.
- 8. IF THE CONCRETE CRACKS DURING THE INSTALLATION OF AN ANCHOR, THE ANCHOR SHALL BE REMOVED OR ABANDONED.
- ABANDONED ANCHORS AND ABANDONED ANCHOR HOLES:
- A. FILL ALL EMPTY ABANDONED ANCHOR HOLES WITH A DRY-PACK MORTAR.
- B. FOR ABANDONED EXPANSION ANCHORS WHICH CANNOT BE REMOVED WITHOUT DAMAGING THE SUBSTRATE, CUT/BURN OFF THE END OF THE BOLT FLUSH WITH THE FACE OF CONCRETE/MASONRY AND THEN DRIVE ABANDONED ANCHOR TO BOTTOM OF HOLE. FILL REMAINDER OF HOLE WITH A
- C. FOR ABANDONED ADHESIVE OR UNDERCUT ANCHORS WHICH CANNOT BE REMOVED WITHOUT DAMAGING THE SUBSTRATE, BURN OFF THE END OF THE BOLT/ROD 1" BELOW THE SURFACE OF CONCRETE/MASONRY AND FILL REMAINDER OF HOLE WITH A DRY-PACK MORTAR.
- D. ABANDONED ANCHOR HOLES (WHETHER FILLED WITH DRY-PACK OR CONTAINING ABANDONED) ANCHORS) MAY NOT BE LOCATED ANY CLOSER THAN 3x DIAMETER CENTER-TO-CENTER TO ANY ANCHOR IN SERVICE, ANCHORS NOT MEETING THIS MINIMUM SPACING MAY HAVE REDUCED CAPACITY AND SHALL BE REVIEWED WITH THE SEOR.

LIMITATIONS OF USE OF POWER ACTUATED FASTENERS:

PER SECTION 13.4.5 OF ASCE 7-16 POWER ACTUATED FASTENERS IN CONCRETE OR STEEL SHALL NOT BE USED FOR SUSTAINED TENSION LOADS OR FOR BRACE APPLICATIONS IN SEISMIC UNLESS APPROVED FOR SEISMIC LOADING, POWER ACTUATED FASTENERS IN MASONRY SHALL NOT BE PERMITTED UNLESS APPROVED FOR SEISMIC LOADING.

EXCEPTION: POWER ACTUATED FASTENERS IN CONCRETE USED FOR SUPPORT OF ACOUSTICAL TILE OR LAY-IN PANEL SUSPENDED CEILING APPLICATIONS AND DISTRIBUTED SYSTEMS WHERE THE SERVICE LOAD ON ANY INDIVIDUAL FASTENER DOES NOT EXCEED 90 LB.

SUBSTRATE MATERIAL	ANCHOR TYPE	ANCHOR PRODUCT	ICC EVALUATION REPORT	ACCEPTANCE CRITERIA
CONCRETE	EXPANSION ANCHORS	HILTI KB-TZ	ICC ESR-1917	AC193
CONCRETE	SCREW ANCHOR	HILTI KH-EZ	ICC ESR-3027	AC193
CONCRETE	ADHESIVE ANCHORS	HILTI HIT-HY 200	ICC ESR-3187	AC308
CONCRETE	POWER ACTUATED FASTENER**	HILTI X-U	ICC ESR-2269	AC70

METAL STRUT SYSTEM

- 1. STRUT SYSTEMS SHALL BE AS MANUFACTURED BY EATON B-LINE OR ENGINEER APPROVED EQUAL.
- STRUT SYSTEM SHALL BE IN ACCORDANCE WITH CBC SECTION 2205A AND ASTM A1011, 33,000 PSI
- 3. STRUT SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND WITH RECOGNIZED INDUSTRY PRACTICES.

ENERGY CODE MANDATORY FEATURES

- 1. ALL JOINTS, PENETRATIONS AND OTHER OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WETHER-STRIPPED OR OTHERWISE SEALED TO LIMIT INFILTRATION AND EXFILTRATION (2022 CEnC SEC. 110.7)
- 2. ATTTIC ACCESS DOORS SHALL HAVE PERMANENTLY ATTACHED INSULATION USING ADHESIVE OR MECHANICAL FASTENERS. THE ATTIC ACCESS SHALL BE GASKETED TO PREVENT AIR LEAKAGE (2022 CEnC SEC. 150.0(a)3)
- 3. PERMANENTLY INSTALLED NIGHT LIGHTS AND NIGHT LIGHTS INTEGRAL TO INSTALLED LUMINAIRES OR EXHAUST FANS SHALL BE RATED TO CONSUME NO MORE THAN FIVE WATTS OF POWER PER LUMINAIRE OR EXHAUST FAN. NIGHT LIGHTS SHALL NOT BE REQUIRED TO BE CONTROLLED BY VACANCY
- SENSORS (Exception 2 to 2022 CEnC SEC. 150.0(k)1A) . ALL INSTALLED LUMINAIRES SHALL BE HIGH EFFICACY IN ACCORDANCE WITH CEnC TABLE 150.0-A. (2022 CEnC 150(k)1A)
- 5. THE NUMBER OF ELECTRICAL BOXES THAT ARE MORE THAN 5 FEET ABOVE THE FINISHED FLOOR AND DO NOT CONTAIN A LUMINAIRE OR OTHER DEVICE SHALL BE NO GREATER THAN THE NUMBER OF BEDROOMS. THESE ELECTRICAL BOXES MUST BE SERVED BY A DIMMER, VACANCY SENSOR CONTROL, OR FAN SPEED CONTROL. (2022 CEnC 150(k)1E)

ROOF VENTILATION NOTES

PER 2022 CBC SECTION 1202.2.1 & 1202.2.2

- 1. ENCLOSED ATTICS AND ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF FRAMING MEMBERS SHALL HAVE CROSS VENTILATION FOR EACH SEPARATE SPACE BY VENTILATION OPENINGS PROTECTED AGAINST THE ENTRANCE OF RAIN
- 2. BLOCKING AND BRIDGING SHALL BE ARRANGED SO AS NOT TO INTERFERE WITH THE MOVEMENT OF AIR. AN AIRSPACE OF NOT LESS THAN 1-INCH SHALL BE PROVIDED BETWEEN THE INSULATION AND THE ROOF SHEATHING. 3. THE NET FREE VENTILATING AREA SHALL BE NOT LESS THAN 1/150 OF THE
- AREA OF THE SPACE VENTILATED. 4. THE NET-FREE CROSS VENTILATION AREA SHALL BE PERMITTED TO BE REDUCED TO 1/300 PROVIDED THAT AT LEAST 40 PERCENT AND NOT MORE THAN 50 PERCENT OF THE REQUIRED VENTING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE ATTIC OR RAFTER SPACE. UPPER VENTILATORS SHALL BE LOCATED NOT MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE, MEASURED VERTICALLY, WITH THE BALANCE OF THE VENTILATION PROVIDED BY EAVE OR CORNICE VENTS. WHERE THE LOCATION OF WALL OR ROOF FRAMING MEMBERS CONFLICTS WITH THE INSTALLATION OF UPPER VENTILATORS, INSTALLATION MORE THAN 3 FEET BELOW THE RIDGE OR HIGHEST POINT OF THE SPACE SHALL BE PERMITTED.
- 5. VENTILATORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 6. EXTERIOR OPENINGS INTO THE ATTIC SPACE OF ANY BUILDING INTENDED FOR HUMAN OCCUPANCY SHALL BE PROTECTED TO PREVENT THE ENTRY OF BIRDS, SQUIRRELS, RODENTS, SNAKES AND OTHER SIMILAR CREATURES. 7. OPENINGS FOR VENTILATION HAVING A LEAST DIMENSION OF NOT LESS THAN 1/16-INCH AND NOT MORE THAN 1/4-INCH SHALL BE PERMITTED.
- 8. OPENINGS FOR VENTILATION HAVING A LEAST DIMENSION LARGER THAN 1/4-INCH SHALL BE PROVIDED WITH CORROSION-RESISTANT WIRE CLOTH SCREENING, HARDWARE CLOTH, PERFORATED VINYL OR SIMILAR MATERIAL WITH OPENINGS HAVING A LEAST DIMENSION OF NOT LESS THAN 1/16-INCH AND NOT MORE THAN 1/4-INCH.

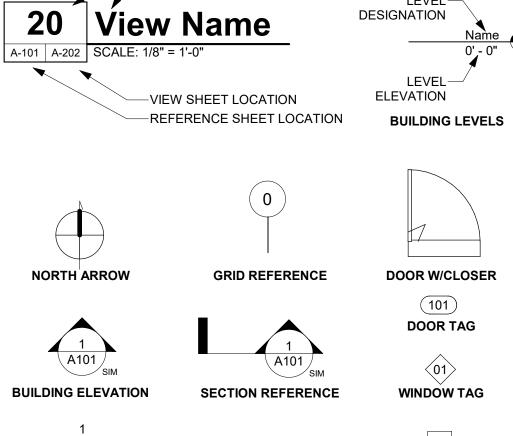
FIREBLOCKING/DRAFTSTOPPING NOTES

- 1. FIREBLOCKING AND DRAFTSTOPPING SHALL BE INSTALLED IN COMBUSTIBLE CONCEALED LOCATIONS IN ACCORDANCE WITH 2022 CBC SECTION 718.
- 2. FIREBLOCKING SHALL COMPLY WITH SECTION 718.2. A. SECTION 718.2.1 - FIREBLOCKING MATERIALS SHALL CONSIST OF
 - FOLLOWING MATERIALS: 1. TWO-INCH NOMINAL LUMBER
 - 2. TWO THICKNESSES OF ONE-INCH NOMINAL LUMBER WITH BROKEN LAP JOINTS 3. ONE THICKNESS OF 0.719-INCH WOOD STRUCTURAL PANELS WITH
 - JOINTS BACKED BY 0.719-INCH WOOD STRUCTURAL PANELS 4. ONE THICKNESS OF 0.75-INCH PARTICLE BOARD WITH JOINTS BACKED BY 0.75-INCH PARTICLE BOARD
- ONE-HALF-INCH GYPSUM BOARD ONE-FOURTH-INCH CEMENT-BASED MILLBOARD BATTS OR BLANKETS OF MINERAL WOOL, MINERAL FIBER OR OTHER APPROVED MATERIAL INSTALLED IN SUCH A MANNER AS TO BE
- SECURELY RETAINED IN PLACE 8. CELLULOSE INSULATION TESTED IN THE FORM AND MANNER INTENDED FOR USE TO DEMONSTRATE ITS ABILITY TO REMAIN IN PLACE AND TO RETARD THE SPREAD OF FIRE AND HOT GASES.
- MASS TIMBER COMPLYING WITH SECTION 2304.11. B. SECTION 718.2.2 - FIREBLOCKING SHALL BE PROVIDED IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS: 1. VERTICALLY AT CEILING AND FLOOR LEVELS
- 2. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET. C. **SECTION 718.2.3** - FIREBLOCKING SHALL BE PROVIDED AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED HORIZONTAL SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS OR TRUSSES, AND BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS AND SIMILAR.
- D. SECTION 718.2.4 FIREBLOCKING SHALL BE PROVIDED IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN. ENCLOSED SPACES UNDER STAIRS SHALL ALSO COMPLY WITH 2022 CBC SECTION 1011.7.3.
- E. **SECTION 718.2.5** FIREBLOCKING OF THE ANNULAR SPACE AROUND VENTS, PIPES, DUCTS, CHIMNEYS, AND FIREPLACES AT CEILING AND FLOOR LEVELS SHALL BE INSTALLED WITH A MATERIAL SPECIFICALLY TESTED IN THE FORM AND MANNER INTENDED FOR USE TO DEMONSTRATE ITS ABILITY TO REMAIN IN PLACE AND RESIST THE FREE
- PASSAGE OF FLAME AND THE PRODUCTS OF COMBUSTION. F. SECTION 717.2.5.1 - FACTORY-BUILT CHIMNEY AND FIREPLACES SHALL BE FIREBLOCKED IN ACCORDANCE WITH UL 103 AND UL 127. 3. DRAFTSTOPPING IN FLOOR/CEILING SPACES SHALL COMPLY WITH SECTION
- A. DRAFTSTOPPING SHALL BE INSTALLED TO SUBDIVIDE FLOOR/CEILING ASSEMBLIES WHERE REQUIRED BY **SECTION 708.4.2**. IN OTHER THAN GROUP R OCCUPANCIES, DRAFTSTOPPING SHALL BE INSTALLED TO SUBDIVIDE COMBUSTIBLE FLOOR/CEILING ASSEMBLIES SO THAT HORIZONTAL FLOOR AREAS DO NOT EXCEED 1,000 SQUARE FEET.
- **EXCEPTION:** BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH **SECTION 903.3.1.1.**
- B. DRAFTSTOPPING MATERIALS SHALL BE NOT LESS THAN 1/2-INCH GYPSUM BOARD, 3/8-INCH WOOD STRUCTURAL PANEL, 3/8-INCH PARTICLEBOARD, 1-INCH NOMINAL LUMBER, CEMENT FIBERBOARD, BATTS OR BLANKETS OF MINERAL WOOL OR GLASS FIBER, OR OTHER APPROVED MATERIALS ADEQUATELY SUPPORTED. THE INTEGRITY OF DRAFTSTOPS SHALL BE MAINTAINED.
- 4. DRAFTSTOPPING IN ATTIC SPACES SHALL COMPLY WITH SECTION 718.4. A. DRAFTSTOPPING SHALL BE INSTALLED TO SUBDIVIDE ATTIC SPACES WHERE REQUIRED BY **SECTION 708.4.2.** IN OTHER THAN GROUP R, DRAFTSTOPPING SHALL BE INSTALLED TO SUBDIVIDE COMBUSTIBLE ATTIC SPACES AND COMBUSTIBLE CONCEALED ROOF SPACES SUCH THAT ANY HORIZONTAL AREA DOES NOT EXCEED 3,000 SQUARE FEET. VENTILATION OF CONCEALED ROOF SPACES SHALL BE MAINTAINED IN ACCORDANCE WITH **SECTION 1202.2.1.**
 - **EXCEPTION:** BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH **SECTION 903.3.1.1.**
- B. MATERIALS UTILIZED FOR DRAFTSTOPPING OF ATTIC SPACES SHALL COMPLY WITH **SECTION 718.3.1.**
- . OPENINGS IN THE PARTITIONS SHALL BE PROTECTED BY SELF-CLOSING DOORS WITH AUTOMATIC LATCHES CONSTRUCTED AS REQUIRED FOR THE PARTITIONS.

ABBREVIATIONS

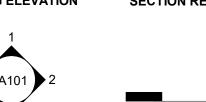
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						Υ	YD	YARD
F	FO	FACE OF	Р	PSL	PARALLEL STRAND LUMBER	W	WWF	WELDED WIRE FABRIC
F		FOUNDATION	Р	PSI	POUNDS PER SQUARE INCH	W	WT	WEIGHT
F		FLOURESCENT	Р	PSF	POUNDS PER SQUARE FOOT	W	WSCT	WAINSCOT
F		FLOOR	Р	PRTN	PARTITION	W	WRB	WATER RESISTIVE BARRIER
=		FIXTURE	Р	PR	PAIR	W	WR	WEATHER RESISTIVE
Ē	FIN	FINISH	P -	PP	POWER POLE	W	WP	WATERPROOF(ING)
F	FHC	FIRE HOSE CABINET	P	PNL	PANEL	W	WIN	WINDOW
=		FIRE HYDRANT	Р		PLYWOOD	W	WI	WROUGHT IRON
Ē		FINISHED GRADE	P -	PLBG	PLUMBING	W	WH	WATER HEATER
<u> </u>		FURNITURE, FIXTURES, AND EQUIPMENT	Р	PLAM	PLASTIC LAMINATE	W	WDW	WINDOW
-		FINISHED FLOOR ELEVATION	Р	PL	PLATE, PROPERTY LINE	W	WD	WOOD
-		FIRE EXTINGUISHER CABINET	Р	PG	PAINT GRADE	W	WC	WATERCLOSET
-	FE	FIRE EXTINGUISHER	Р	PERP	PERPENDICULAR	W	W/O	WITHOUT
-		FIRE DEPARTMENT CONNECTION	Р	PERM	PERIMETER	W	W/D	WASHER DRYER
-		FLOOR DRAIN	Р	(P)	PROPOSED	W	W/	WITH
-		FLUID APPLIED WATERPROOFING	0	OPP	OPPOSITE	W	W	WEST
-		FORCED AIR UNIT	0	OPG	OPENING	V	VWC	VINYL WALL COVERING
-		FIRE ALARM CONTROL PANEL	0	OH	OPPOSITE HAND	V	VTR	VENT TERMINATION PIPE
Ε		EXTERIOR FIRE ALABA CONTROL DANIEL	0	OFOI	OWNER FURNISHED, OWNER INSTALLED	V	VIF	VERIFY IN FIELD
Ε		EXPANSION	0	OFF	OFFICE	V	VERT	VERTICAL
E		EXHAUST	0	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLE		VCT	VINYL COMPOSITION TILE
_ =								
=		EQUIPMENT	0	OD	OVERFLOW DRAIN	U	UV	UTRAVIOLET
Ξ		EQUAL	0	OC .	ON CENTER	U	UNO	ULNESS NOTED OTHERWISE
_ 		ENCLOSURE	0	O.P.	OVERFLOW PIPE	U	UNFIN	UNFINISHED
Ε		ELECTRIC	N	NTS	NOT TO SCALE	U	UG	UNDERGROUND
Ε	EL, ELEV	ELEVATION	Ν	NOM	NOMINAL		-	STANDARDS
Ε	EJ	EXPANSION JOINT	N	NO	NUMBER	Ü	UFAS	UNIFORM FEDERAL ACCESSIBILITY
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Ē	` '	EXISTING	M	MTL	METAL	Т	TRANS	TRANSFORMER
)		DRAWING	M	MTD	MOUNTED	T	TOW	TOP OF WALL
)		DISHWASHER	M	MO	MASONRY OPENING	T	TOS	TOP OF SLAB
)		DETAIL	M	MISC	MISCELLANEOUS	T	TO	TOP OF
)		DOWN SPOUT	M	MIN	MINIMUM	Т	TJI	TRUSS JOIST I-JOIST
כ		DOOR	M	MFR	MANUFACTURER	T	THR	THRESHOLD
) _		DOWN	M	MEP	MECHANICAL, ELECTRICAL, PLUMBING	T	THK	THICK
ر د						 -	TER	TERRAZZO
))		DIMENSION	M	MEMB	MEMBRANE	I T		TEMPERED TEMPA 770
)		DIAMETER, DIAPHRAGM	M	MECH	MECHANICAL MECHANICAL	T	TEMP	
)		DRINKING FOUNTAIN	M	MDF	MEDIUM DENSITY FIBERBOARD	T T	TEL	TELEPHONE
)		DOUBLE	M	MAX	MAXIMUM	T T	T&G	TONGUE & GROOVE
0		CENTER	L	LW	LIGHTWEIGHT	T	T	TREAD
0	CT	CERAMIC TILE	L	LVT	LUXURY VINYL TILE	S	SYM	SYMMMETRICAL
0		CARPET	L	LVL	LAMINATED VENEER LUMBER	S	SV	SHEET VINYL
0		CONTRACTOR	L	LT(G)	LIGHT(ING)	S	SUSP	SUPSPENDED
0		CONTINUOUS	L ·	LINO	LINOLEUM	S		STRUCTURAL
0		CONSTRUCTION	L	LIN	LINEN CLOSET	S	STOR	STORAGE
∵		CONCRETE	L I			S	STL	STEEL
))			ı	LF	LINEAR FEET	S	STD	STANDARD
))		COLUMN	L	rcen	ENVIRONMENTAL DESIGN			
3		CLEAN OUT	- I	LEED	LEADERSHIP IN ENERGY AND	S	STC	SOUND TRANSMISSION CLASS
0		CONCRETE MASONRY UNIT	L	LBS	POUNDS	S	SSTL	STAINLESS STEEL
0		CLEAR	L		LAVATORY	S	SS	SOLID SURFACE
3		CLOSET	L	LAM	LAMINATE	S	SQ	SQURE
-			J	JT	JOINT	S	SPEC	SPECIFICATION
))		CEILING	J	JC	JANITORS CLOSET	S	SM	SHEET METAL
) ()		CENTROL JOINT CENTER LINE	l I	INT	INTERIOR	S	SIM	SIMILAR
) ()		CONTROL JOINT	1		INSULATION, INSULATED			SHEATHING SIMILAD
) ()		CAST IN PLACE	1 1	INCAND		S	SHTHG	
0		CUBIC FEET PER MINUTE	' I		INCANDESCENT	S	SHT	SHEET
-		INSTALLED	·	IN	INCH	S	SF	SQUARE FOOT
2		CONTRACTOR FURNISHED, CONTRACTOR	I	IIC	IMPACT INSULATION CLASS	S	SECT	SECTION
2		CEMENT	I	ID	INSIDE DIAMETER	S	SEAL	SEALANT
С	CBC	CALIFORNIA BUILDING CODE	Н	HVAC	HEATING, VENTILATION, A/C	S	SCHED	SCHEDULE
2		CATCH BASIN	Н	HORIZ	HORIZONTAL	S	SC	SCUPPER/SOLID CORE
3		BUILT UP ROOF	Н	HM	HOLLOW METAL	S	SAWP	SELF ADHEREING WATERPROOFING
3		BOTTOM	Н	HGT	HEIGHT	S	SAFB	SOUND ATTENUATION FIBER BATT
3		BEAM	Н	HDWR	HARDWARE	S	S	SOUTH
3		BELOW	H	HDWD	HARDWOOD	S	RTU	ROOF TOP UNIT (MECH)
3		BLOCKING BELOW	Н	HC	HOLLOW CORE	S	RO DTII	ROUGH OPENING
3		BUILDNG	Н	HB	HOSE BIBB	R	RM RO	ROOM BOLICH OPENING
ر 2								
ر ع		BITUMINOUS	G	GYP	GYPSUM BOARD GYPSUM	R R	RH	RIGHT HAND
ر 3		BETWEEN	G	GFCI	GYPSUM BOARD	R R	REQD	REQUIRED
) 2		BEDROOM	G	GFCI	GROUND FAULT CIRCUIT INTERRUPTER		REINF	REINFORCED
^ ∃		BOARD	G	GB	GENERAL CONTRACTOR	R R	REF	REFRIGERATOR
¬ Δ		ARCHITECT(URAL)	G	GALV GB	GRAB BAR	R R	RD RD	ROOF DRAIN
` Δ		ALTERNATE	G	GALV	GALVANIZED	R	RCP	REFLECTED CEILING PLAN
¬ Δ		ALUMINUM	F G	GA	GAUGE, GAGE	R R	RB	RADIUS, RISER RUBBER BASE
Δ		ABOVE FINISH FLOOR	F	FTG	FOOTING	Q R	R	
Δ		ARC FAULT CIRCUIT INTERRUPTER	F	FRP FT	FIBERGLASS REINFORCED PANELS FOOT OR FEET	P	QTY	PAVEMENT QUANTITY
^		ACOUSTICAL CEILING TILE AMERICANS WITH DISABILITIES ACT	F				PVC	
Δ		ACOUSTICAL ACOUSTICAL CEILING TILE	F	FOM	FACE OF MASONRY FACE OF STUD	P P	PV	POLYVINYL CHLORIDE
Λ		ABOVE ACOUSTICAL	F F	FOF	FACE OF FINISH FACE OF MASONRY	P P	PTD PV	PAINTED PHOTO VOLTAIC
4 ^		ARCOVE	F	FOC FOF	FACE OF CONCRETE	P D	PT	PRESSURE TREATED
^	A /O	ALD CONDITIONING	_		EAGE OF CONCRETE	_	БТ	DDECOURE TREATER

21MBOL2



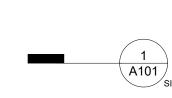
-VIEW NUMBER

-VIEW TITLE



INTERIOR ELEVATIONS

REVISION TAG





CENTERLINE



MATERIAL TAG

WALL TAG

ACCEPTANCE TESTING

- 1. THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE
- ENERGY CODE. 2. LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICAIN (ATT). MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A
- CERTIRIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER ENGVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF
- RECORD OR THE OWNER'S AGNET. 5. 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.
- 6. THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED AND DEFICINCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

PROJECT MANAGER CHECKED BY DRAWN BY DATE 03/18/2024 **PROJECT NUMBER** 3104-01-ED23

AGENCY APPROVAL STAMP

DSA FILE #: 56-C1 PROJECT TRACKING #: 03-123842



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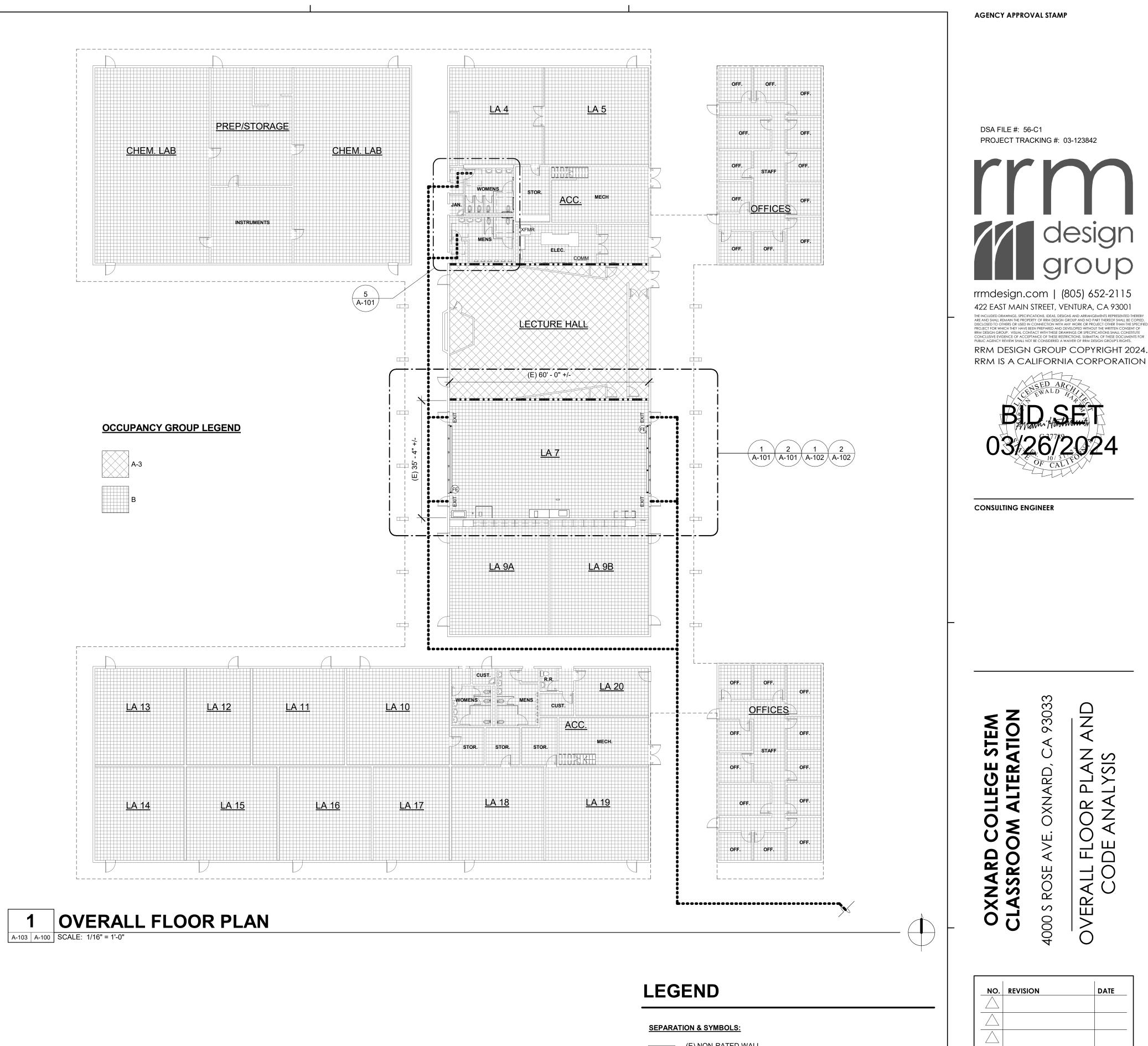


CONSULTING ENGINEER

STEM ATION

X

NO. REVISION DATE



OCCUPANCY CALCULATIONS

				OCCUPANCY			MAX. OCC. LOAD FOR		
AREA NAME	AREA	NET / GROSS	OCCUPANCY TYPE	FUNCTION OF SPACE (2022 CBC TABLE 1004.5)	LOAD FACTOR	OCCUPANT LOAD	ONE EXIT (2022 CBC TABLE 1006.2.1)	EXITS REQUIRED	EXITS PROVIDED
LA 7	2154 SF	NET	В	EDUCATIONAL: SHOPS AND OTHER VOCATIONAL ROOM AREAS	50	44	49	1	4
	2154 SF		<u> </u>			44			

GENERAL NOTES

NO CHANGE TO USE
 NO CHANGE TO OCCUPANT LOAD
 NO CHANGE TO EGRESS

(E) COVERED WALK

(FE) FIRE EXTINGUISHER 2A:10B:C

OCCUPANT EGRESS:

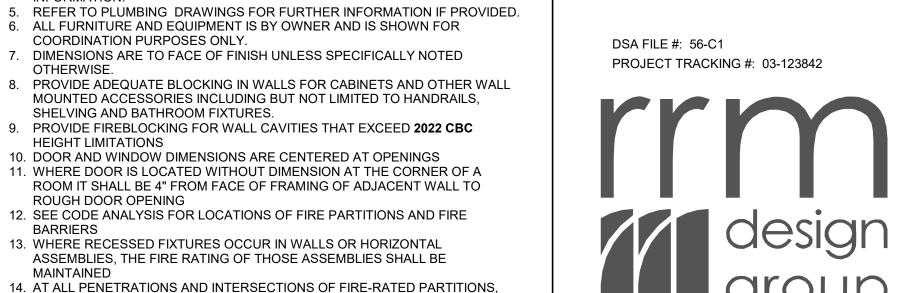
••••• ACCESSIBLE PATH OF TRAVEL (PER THIS SUBMITTAL A# 03-123842) 2ND DSA PLAN REVIEW

DRAWN BY CHECKED BY 03/18/2024

PROJECT MANAGER

PROJECT NUMBER 3104-01-ED23

A-100



FLOOR PLAN GENERAL NOTES

1. REFER TO GENERAL NOTES SHEET G-101 FOR ADDITIONAL REQUIREMENTS.

PROVIDE FIRE SEALANT AND/OR FIRE STOPPING TO MAINTAIN CONTINUITY

(E) SHAPED CONCRETE COLUMN TO REMAIN, TYP.

(E) 20 GA. 6" STEEL STUDS WITH 1 LAYER 5/8" TYPE X GYP. BOARD

(E) GYPSUM WALL BOARD FINISH - REMOVE +/- 4'-0" A.F.F. ALONG

CHANNEL STRUT POST FOR MOUNTING OF ACCESSIBLE POWER

VINYL COMPOSITE TILE FLOORING TO REMAIN. PROTECT IN PLACE

NEW ROOM IDENTIFICATION SIGNS, TYP. SEE DETAIL 42/A-903 AND

(E) SURFACE MOUNTED PAPER TOWEL DISPENSER, TO REMAIN.

(E) PAPER TOWEL DISPENSER AND WASTE RECEPTACLE, TO

(E) SOAP DISPENSER, TO REMAIN, TYP. SEE DETAIL 52/A-903

IMPACT TESTER. INSTRON CEAST 9050 MANUAL, BENCHTOP.

HARDNESS TESTER. WILSON ROCKWELL 574, BENCHTOP.

(E) PLUMBING PIPING. CUT BACK INTO WALL AND CAP

(E) VTR TO REMAIN. VERIFY SIZE AND LOCATION IN FIELD TYPE II EXHAUST HOOD ABOVE. REFER TO MECHANICAL

METAL TABLE TO SUPPORT TENSILE TESTER AND HARDNESS

TENSILE TESTER. TINIUS OLSEN 50ST, BENCHTOP. PROVIDED BY

SURFACE MOUNTED FIRE EXTINGUISHER CABINET WITH

REMOVE AND REPLACE (E) FINISH UNDER COUNTER TO

3. REFER TO ELECTRICAL PLANS FOR FURTHER INFORMATION IF PROVIDED.

4. REFER TO MECHANICAL PLANS, DRAWINGS OR REPORTS FOR FURTHER

2. REFER TO STRUCTURAL PLANS FOR FURTHER INFORMATION.

OTHERWISE.

OF PARTITION RATING

KEYNOTES

02 4116.I

02 4116.J

03 3000.1

04 2200.A

05 4300.B

09 0000.A

10 1400.D

10 4400.B

11 5000.F

22 0000.I 23 0000.I

___11 5000.C

12 3100.B

15. DOORS IN PROJECT AREAS TO REMAIN UNALTERED

EÁCH SIDE, TO REMAIN U.N.O.

REMOVE (E) SINK AND COUNTER

(E) METAL DOOR TO REMAIN, TYP.

(E) CMU WALL TO REMAIN, TYP.

ENTIRE LENGTH OF WALL

ACCOMODATE WORK

RÉMAIN. SEE 52/A-903

PROVIDED BY CLIENT

PROVIDED BY CLIENT

SOLID SURFACE COUNTERTOP

COUNTERTOP SINK. REFER TO PLUMBING

EXISTING ELECTRICAL PANEL, TO REMAIN

44/A-903

SÉE 52/A-903

EXTINGUISHER

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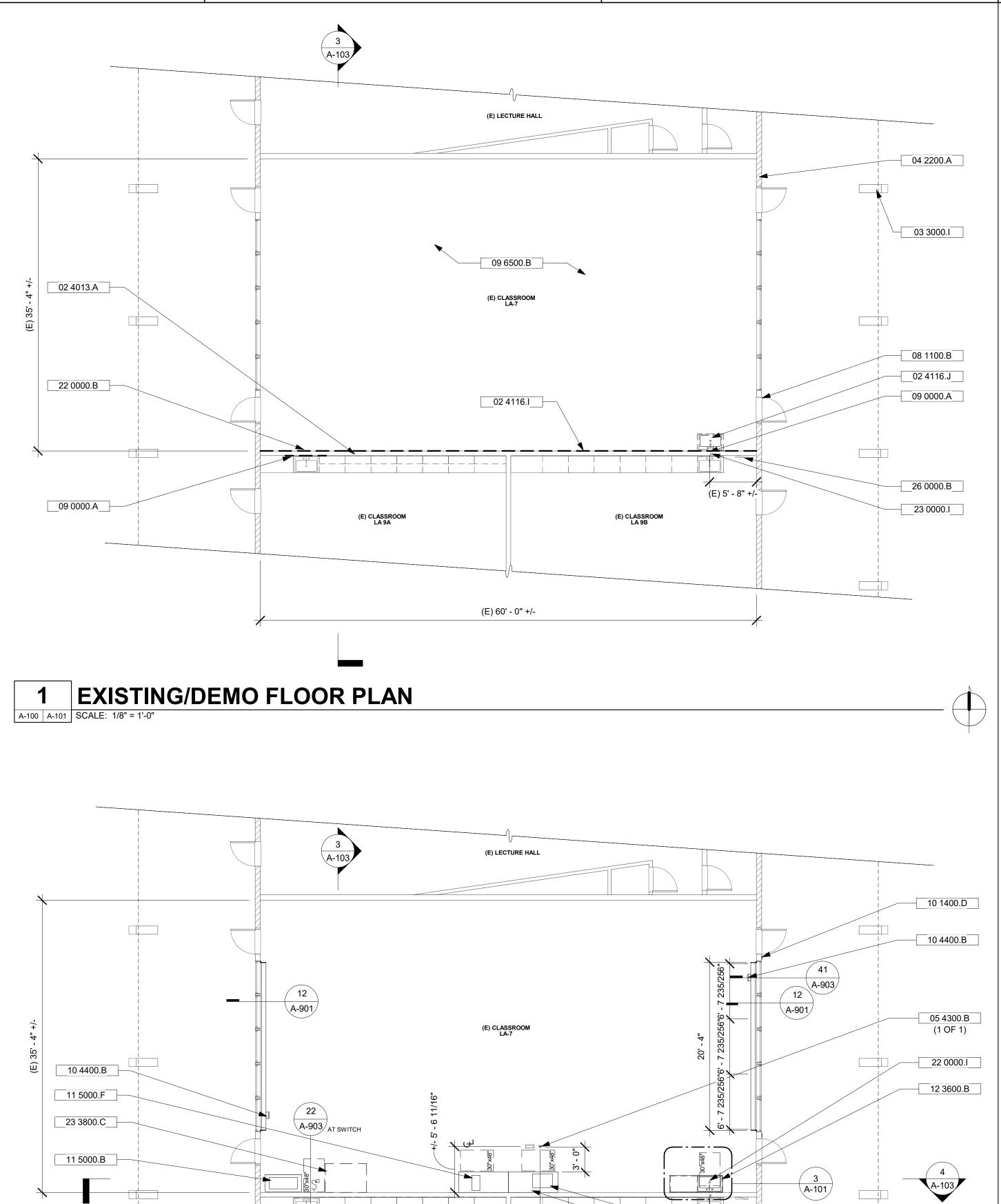
CONSULTING ENGINEER

OXNARD COLLEGE STEM CLASSROOM ALTERATION

DATE NO. REVISION **PROJECT MANAGER** DRAWN BY CHECKED BY 03/18/2024 **PROJECT NUMBER** 3104-01-ED23 A-101

REVIEW

DSA



(E) CLASSROOM LA 9B

26' - 2 1/8" +/-

ENLARGED CABINET ELEVATION 30x48 CLEAR SPACE EQ EQ \circ \circ **ENLARGED CABINET PLAN**

EXISTING/DEMO RESTROOM PLAN

\A-903/

THESE DRAWINGS

RESTROOM ACCESSORY CONDITIONS TO REMAIN.

(52/A-903) FOR EXISTING

SPACES AND FIXTURES

ARE FOR REFERENCE.

NOTES AND DETAILS

DEPICT EXISTING RESTROOM, PLUMBING

FIXTURES, AND

10 2800.M

10 2800.K

A-100 A-101 SCALE: 1/4" = 1'-0"

A-101 A-101 SCALE: 1" = 1'-0"

10 2800.M

A-903

10 2800.F

PROPOSED FLOOR PLAN

33' - 9 7/8" +/-

(E) 60' - 0" +/-

RCP GENERAL NOTES

4. REFER TO DETAILS FOR FLOOR/CEILING ASSEMBLIES.

02 4116.W (E) ACOUSTICAL LAY-IN TILE CEILING, REMOVE 02 4116.X (E) CEILING TILE LAY-IN LIGHT FIXTURE, REMOVE

RÉPLACE CEILING TILES

(E) EXIT SIGN, TO REMAIN

INCLUDING POP RIVETS AND TAPPETS.

PROPOSED PER IR 25-2, SECTION 3.1.

POWER REEL

CEILING PLAN, UNO.

KEYNOTES

05 4300.A

09 5100.A

23 0000.A

23 0000.C

23 0000.G

23 0000.H

23 3800.A

26 0000.I

26 0000.J

26 5000.D

1. REFER TO GENERAL NOTES SHEET G-100 FOR ADDITIONAL REQUIREMENTS.

5. HEIGHT OF CEILINGS SHALL BE MEASURED FROM TOP OF SLAB TO FINISH

7. THE AREA AFFECTED BY CEILING GRID ALTERATIONS IS LESS THAN 10

(E) MOUNTED PROJECTOR, TO REMAIN, TYP.

OSA PENTHOUSE AND DUCT, SEE MECHANICAL

(E) 24" X 24" AIR RETURN REGISTER TO REMAIN, TYP.

(E) 24" X 24" AIR SUPPLY DIFFUSER TO REMAIN, TYP.

(E) I.T. EQUIPMENT, TO REMAIN, TYP. PROTECT IN PLACE (E) CEILING TILE LAY-IN LIGHT FIXTURE TO REMAIN, TYP.

TYPE II EXHAUST HOOD, REFER TO MECHANICAL

(E) FAN COIL ABOVE CEILING, TYP.

(E) TELEVISION, TO REMAIN, TYP.

FACE OF GWB OR FACE OF CEILING GRID AS INDICATED ON THE REFLECTED

6. BORDERS AT LAY-IN ACOUSTICAL CEILING PANELS SHALL BE CUT TO MATCH

FACTORY EDGE PROFILE. NO EXPOSED FASTENERS SHALL BE PERMITTED

PERCENT OF THE ENTIRE CEILING AREA. NO UPGRADES TO CEILING SYSTEM

CHANNEL STRUT POST TO FLOOR FOR MOUNTING OF ACCESSIBLE

(E) ACOUSTICAL LAY-IN TILE CEILING GRID TO REMAIN U.N.O. ONLY

REFER TO ELECTRICAL PLANS FOR FURTHER INFORMATION. REFER TO MECHANICAL PLANS FOR FURTHER INFORMATION.

> DSA FILE #: 56-C1 PROJECT TRACKING #: 03-123842

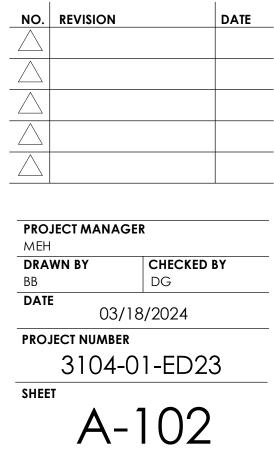


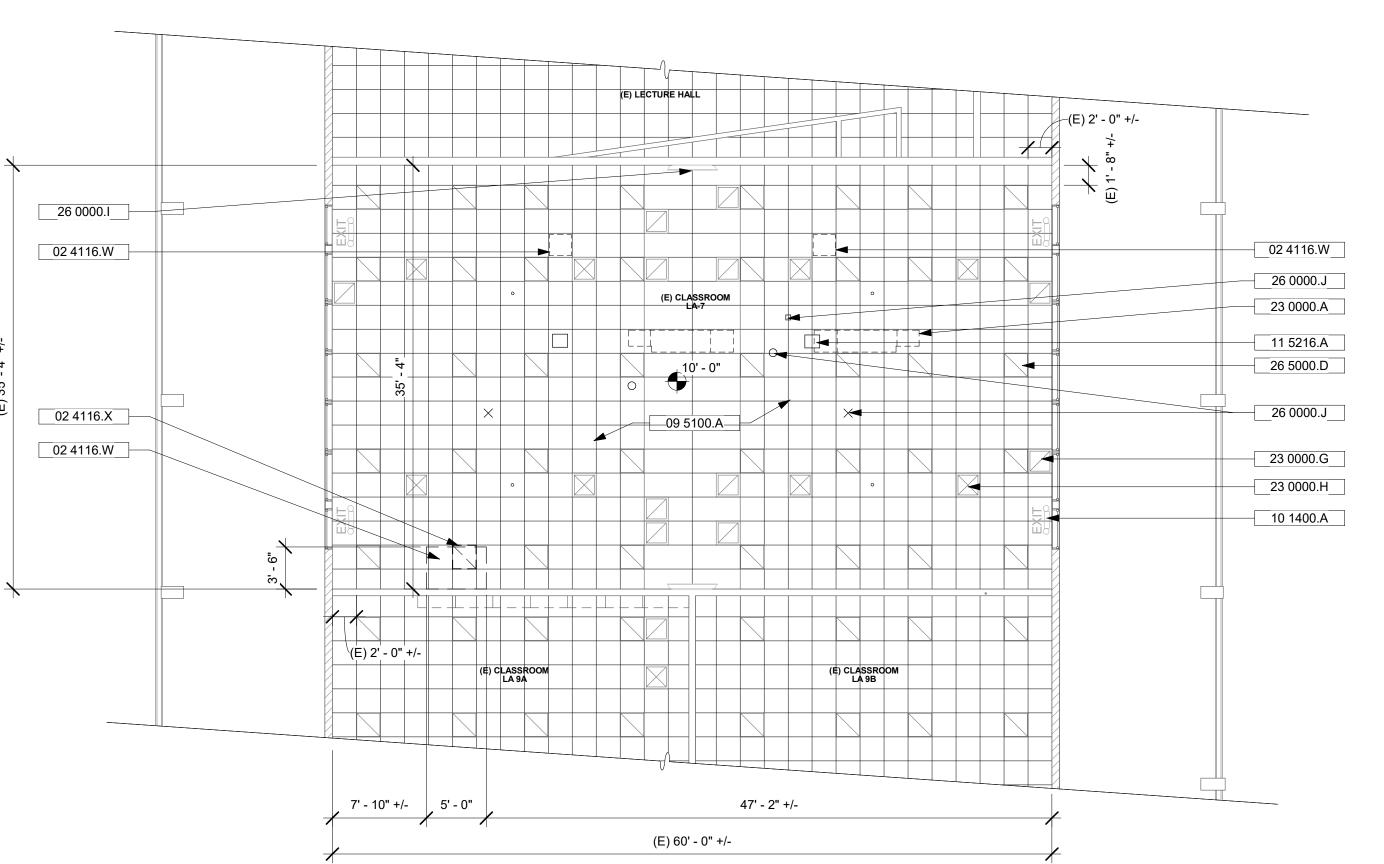
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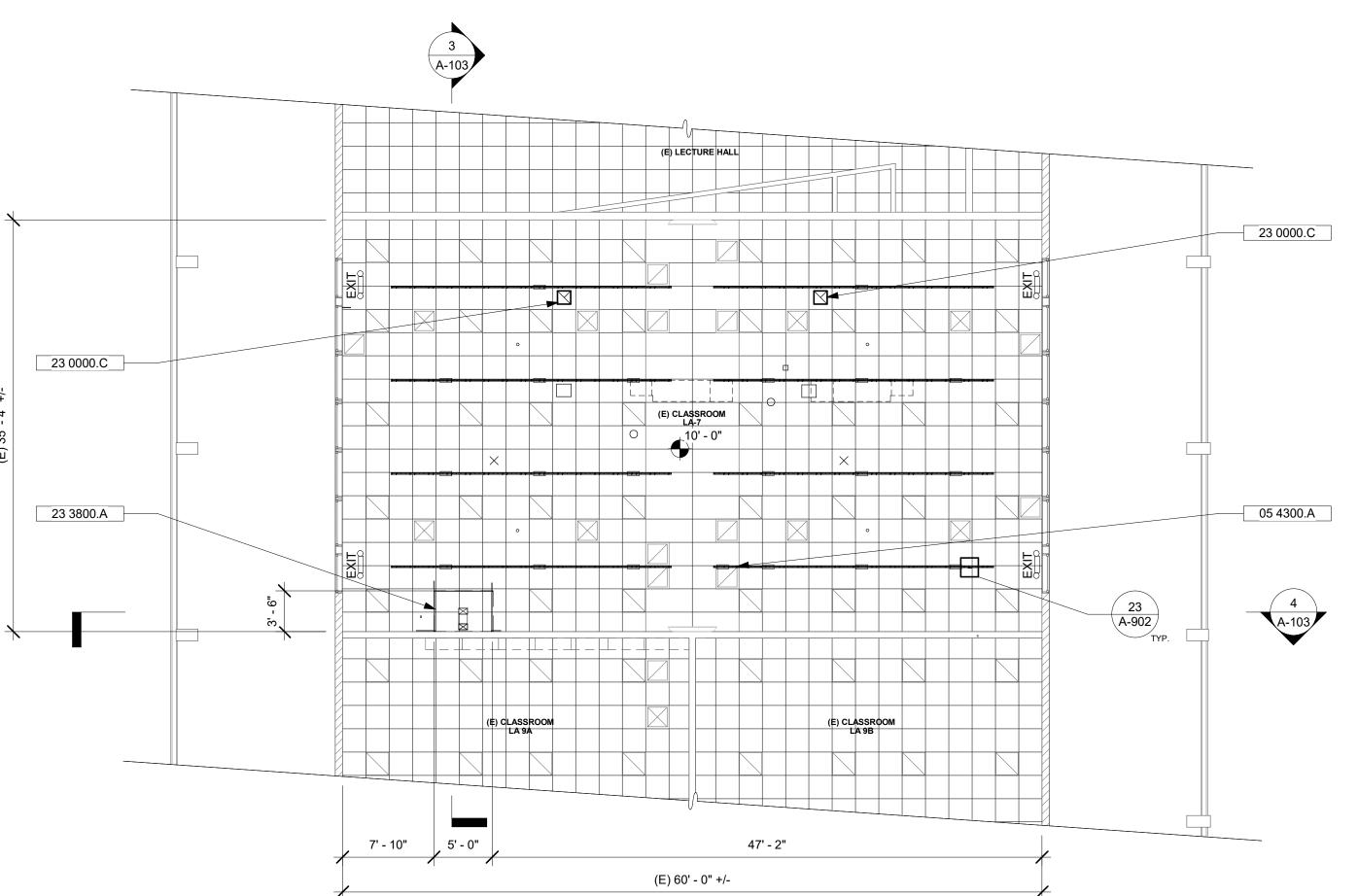


CONSULTING ENGINEER





EXISTING/DEMO REFLECTED CEILING PLAN A-100 A-102 SCALE: 1/8" = 1'-0"



2 PROPOSED REFLECTED CEILING PLAN

A-100 A-102 SCALE: 1/8" = 1'-0"

REVIEW DSA 2ND



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OXNARD COLLEGE STEM CLASSROOM ALTERATION

DATE NO. REVISION PROJECT MANAGER DRAWN BY CHECKED BY DATE 03/18/2024 **PROJECT NUMBER** 3104-01-ED23

ROOF PLAN GENERAL NOTES 1. REFER TO GENERAL NOTES SHEET G-101 FOR ADDITIONAL REQUIREMENTS 2. REFER TO MECHANICAL PLANS FOR ROOF MOUNTED EQUIPMENT LOCATIONS AND TYPES. 3. REFER TO ELECTRICAL PLANS FOR POWER DISTRIBUTION TO ROOF MOUNTED EQUIPMENT. 4. REUSE PLUMBING ROOF VENT PENETRATIONS. ALL ROOFING MATERIALS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. DSA FILE #: 56-C1 ROOF COVERINGS AND UNDERLAYMENT SHALL BE APPLIED IN ACCORDANCE WITH (2022 CBC 1507.1), AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. SHALL BE COVERED WITH CORROSION-RESISTANT WIRE CLOTH SCREENING. HARDWARE CLOTH, PERFORATED VINYL OR SIMILAR MATERIAL. THE OPENINGS SHALL BE A MINIMUM OF 1/16" AND SHALL NOT EXCEED 1/4" PER ROOF VENTS SHALL BE APPLIED PER MANUFACTURER'S SPECIFICATIONS. FURNISHED DIMENSIONS FOR VENTS ARE GUIDES ONLY. INSTALL PER MANUFACTURERS SPECIFICATIONS AND ADJUST TO ACCOMMODATE TRUSS LOCATIONS, PLUMBING VENTS, AND SOLAR COLLECTORS. **KEYNOTES** (E) SUSPENDED PLATFORM FOR MECHANICAL UNITS 06 1000.G (E) SUSPENDED PLATFORM FOR MECHANICAL UNITS BELOW 06 1000.K ABANDONED OPERABLE PARTITION BRACING, TO REMOVE 06 1000.L (E) 3X6 PLATFORM BRACING, TO REMAIN 09 6500.D SURFACE MOUNTED FIRE EXTINGUISHER CABINET WITH 10 4400.B EXTINGUISHER IMPACT TESTER. INSTRON CEAST 9050 MANUAL, BENCHTOP. PROVIDED BY CLIENT 11 5000.C TENSILE TESTER. TINIUS OLSEN 50ST, BENCHTOP. PROVIDED BY A-104 A-103 HARDNESS TESTER. WILSON ROCKWELL 574, BENCHTOP. PROVIDED BY CLIENT METAL TABLE TO SUPPORT TENSILE TESTER AND HARDNESS TESTER SOLID SURFACE COUNTERTOP 12 3600.B 22 0000.I COUNTERTOP SINK. REFER TO PLUMBING 23 0000.A (E) FAN COIL ABOVE CEILING, TYP. 23 0000.D OSA PENTHOUSE DUCT TO BELOW, SEE MECHANICAL 23 0000.E PENTHOUSE ROOF CURB. SEE MECHANICAL EXHAUST DUCT AND FAN - REFER TO MECHANICAL 23 0000.I (E) VTR TO REMAIN. VERIFY SIZE AND LOCATION IN FIELD. 23 3800.A TYPE II EXHAUST HOOD, REFER TO MECHANICAL 23 3800.B TYPE II EXHAUST HOOD BELOW. REFER TO MECHANICAL 26 0000.F ELECTRICAL OUTLET 42" A.F.F., TYP. REFER TO PLAN. 26 0000.G POWER SWITCH FOR EXHAUST HOOD. 42" A.F.F. 26 0000.I (E) TELEVISION, TO REMAIN, TYP. **ROOF PLAN LEGEND** (E) CONCRETE ROOF TILES, OVER WOOD SHEATHING, OVER 2x4 ROOF JOISTS AT 16" O.C. IN U-TYPE HANGERS ON FACE OF GLB --- (E) ROOF FRAMING - - NEW 4X6 BLOCKING EEEEE (E) WALL BELOW INT.CLNG. 10' - 0" EXT.CLNG. 9' - 0 3/8" F.F. 0' - 0"

11 5000.B

23 3800.A

____26 0000.G

23 0000.D

____03 3000.I

____23 0000.I

2

(E) CLASSROOM LA-7

54 A-901

(E) 5.125x15 GLB —STRUT BRACE PER 32/A-902, TYP. OF (4) _ - - - - - - - -HANGER ROD PER 31/A-902, TYP. AT EA. CORNER 06 1000.K (E) 5.125x15 GLB W/ (E) WALL BELOW 06 1000.F **HOOD SUPPORT PLAN** 06 1000.L 23 0000.I __26 0000.I

__11 5000.C__

26 0000.F

12 3100.B

__11 5000.F__

(E) 5.125x15 GLB

(E)|5.125x15 GLB

(E) 5.125x15 GLB

(E) 5.125x15 GLB

(E) 5.125x15 GLB

(E) 5.125x15 GLB

23 3800.A SEE 5/A-103 FOR SUPPORT PLAN

SECTION A

10 4400.B

09 6500.D

OVERALL ROOF PLAN

3 A-201 TYP. OF (2)

SECTION B

PROPOSED ROOF PLAN A-103 A-103 SCALE: 1/8" = 1'-0"

23 0000.D

03 3000.I

23 3800.B

23 0000.F

4" / 1'-0"

4" / 1'-0"

4"/'

MECHANICAL

4" / 1'-0" 4" / 1'-0"

4" / 1'-0" 4" / 1'-0"

MECHANICAL

____23 0000.A

(E) 5.125x15 GLB A-201

(E) 5.125x15 GLB

(E) 5.125x15 GLB

(E) 5.125x15 GLB

(E) 5.125x15 GLB

4" / 1'-0"

▐<u>╒╵╤╵╤╵╤╵╤╵╤╵╤╵╤╵┲╵┲╵┲╵┲╵╒┙╒┙╒┙╒</u>╌╒╌╒╌╒╌╒╌╒╴╬╵╘╸┆╾╷╧╷╧╵╤╵╤╵╒╵╒ ┾╸╒╸╒╸╒╸╒╸╒╸╒╸┼╸

A-103 A-103 SCALE: 1/4" = 1'-0"

12 3600.B

A-103

A-101 A-103 SCALE: 3/16" = 1'-0"

A-101 A-103 SCALE: 3/16" = 1'-0"

4" / 1'-0"

A-103 A-103 SCALE: 1/32" = 1'-0"

23 0000.E

(E) LECTURE HALL

REVIEW

DSA

A-103



DSA FILE #: 56-C1 PROJECT TRACKING #: 03-123842

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KEYNOTES

RCP LEGEND

INDICATES B12A DIAG BRACE W/ ARROW HEAD END TO NEW B24A FRMG & OTHER END TO EXISTING FRAMING OR ADDED BLKG

06 1000.F (E) SUSPENDED PLATFORM FOR MECHANICAL UNITS

1/2" DIA. VERTICAL ALL THREADED ROD LOCATION

(E) 3X8 BRACE (E) 5.125x15 GLB **C1** (E) 5.125x15 GLB (E) 5.125x15 GLB **C2** HANGER, TYP. AT EACH END OF EACH BLOCK **C3** (E) 5.125x15 GLB (E) 5.125x15 GLB 6' - 2 1/8" 10' - 0" +/-10' - 0" +/-CD

ACCESSIBLE POWER REEL A-104 A-104 SCALE: 1/2" = 1'-0"

MAX.

(CD)

PROPOSED CHANNEL FRAMING PLAN (RCP)

6' - 2 1/8"

<u>C1</u>

C2

05 3000.A

-(E) CONCRETE TILES OVER
PLYWOOD SHEATHING TO REMAIN BLOCKING-(E) 2x4 ROOF JOISTS TO REMAIN (E) GLB BEYOND CONTINUOUS B24A — HORIZONTAL STRUT CROSS MEMBER (E) SATC CEILING TO REMAIN U.N.O. HORIZONTAL B24A STRUT —MAX WEIGHT 20 LBS. EA.

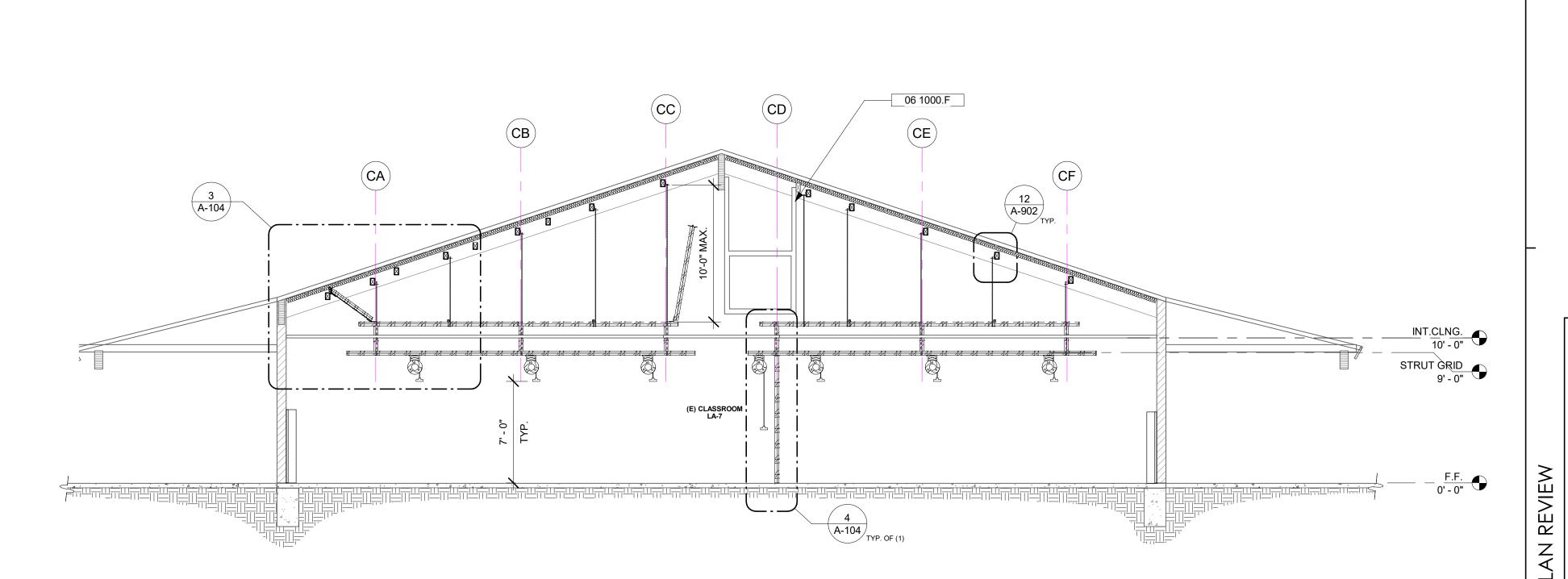
-20# MAX DEAD

LOAD EA.

-B24A POST

-B281SQ

SUSPENDED CHANNEL FRAMING DETAIL A-104 A-104 SCALE: 3/4" = 1'-0"



PROPOSED SECTION THROUGH CHANNEL FRAMING

NO. REVISION PROJECT MANAGER CHECKED BY 03/18/2024 **PROJECT NUMBER** 3104-01-ED23 A-104

DSA

ELEVATION GENERAL NOTES

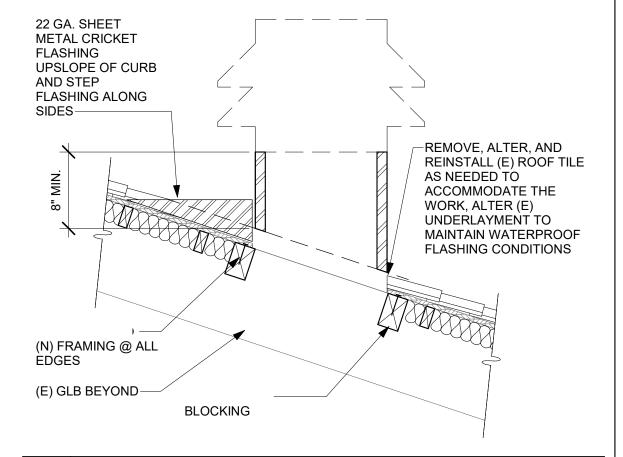
- 1. REFER TO GENERAL NOTES SHEET G-101 FOR ADDITIONAL REQUIREMENTS. 2. FRAMING ELEVATIONS, INCLUDING FLOOR PLATES AND FLOOR LEVEL ELEVATIONS ARE MEASURED FROM BUILDING FINISH FLOOR, U.N.O.
- 3. SEE DETAILS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. 4. REFER TO ROOF PLAN FOR ROOF PITCH AND OVERHANGS. FASCIA PER

KEYNOTES

(E) SHAPED CONCRETE COLUMN TO REMAIN, TYP. SEE DETAIL 3/A-201 FOR ROOF ASSEMBLY ALTERATION 07 0000.A

08 1100.B (E) METAL DOOR TO REMAIN, TYP. 08 5113.A (E) METAL WINDOW TO REMAIN, TYP. 23 0000.C OSA PENTHOUSE AND DUCT, SEE MECHANICAL

23 0000.E PENTHOUSE ROOF CURB. SEE MECHANICAL EXHAUST DUCT AND FAN - REFER TO MECHANICAL



3 MECHANICAL CURB FLASHING A-103 A-201 SCALE: 3/4" = 1'-0"

MATERIAL SCHEDULE

(E) CMU, TO REMAIN

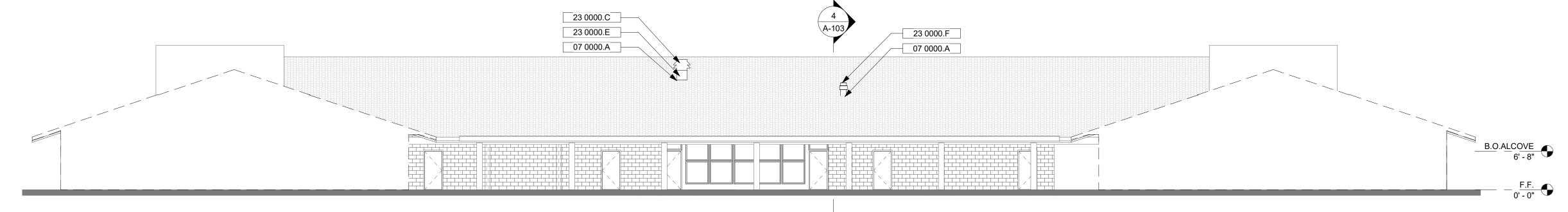
(E) CONCRETE ROOF TILES, TO REMAIN U.N.O.

(E) CAST IN PLACE SHAPED CONCRETE COLUMNS

07 0000.A B.O.ALCOVE 6' - 8" 03 3000.1 - 08 1100.B 08 5113.A

1 EXISTING WEST ELEVATION (EAST ELEVATION SIMILAR)

A-201 SCALE: 3/32" = 1'-0"



2 PROPOSED WEST ELEVATION (EAST ELEVATION SIMILAR)

A-201 SCALE: 3/32" = 1'-0"

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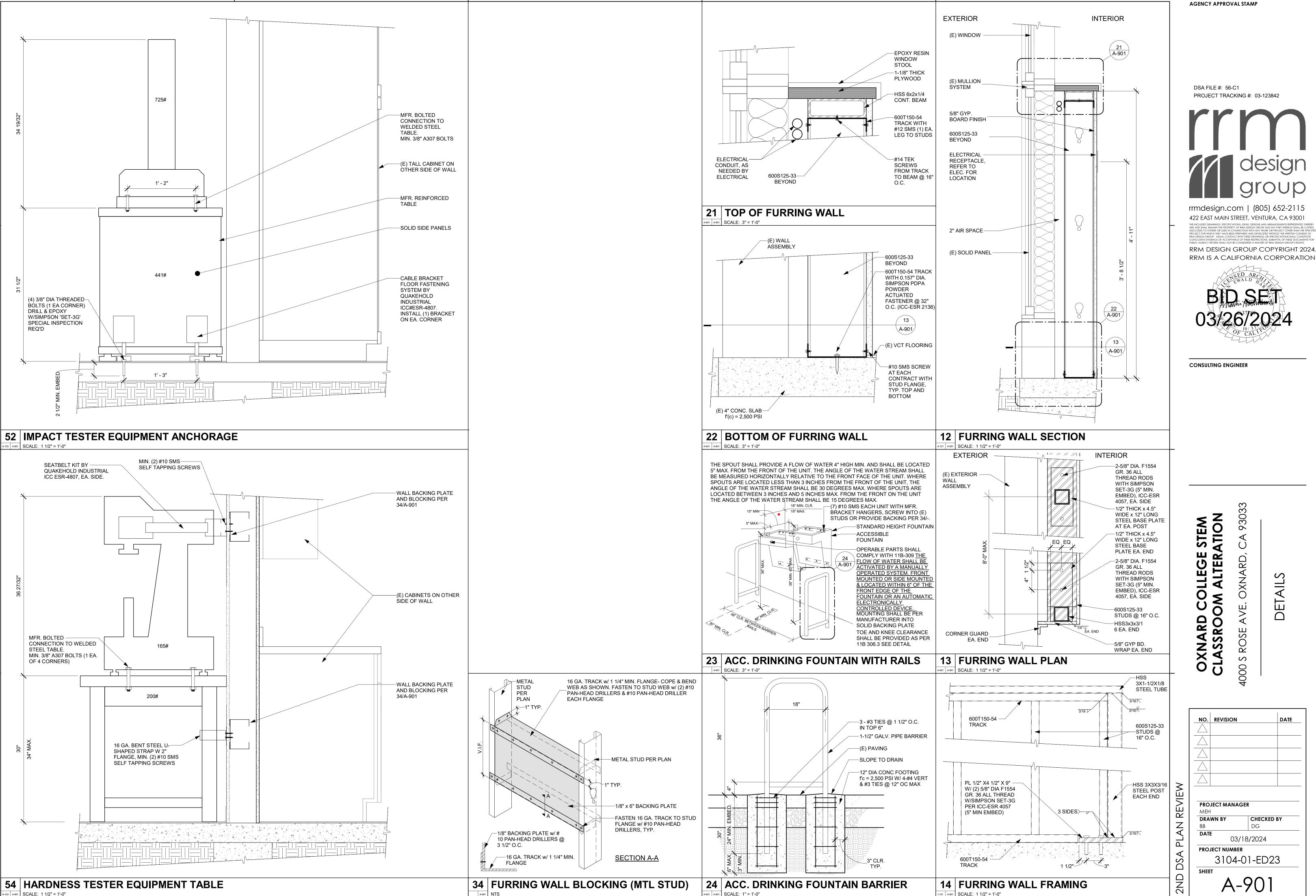
CONSULTING ENGINEER

OXNARD COLLEGE STEM CLASSROOM ALTERATION

PROJECT MANAGER CHECKED BY 03/18/2024 PROJECT NUMBER 3104-01-ED23 A-201

PLAN REVIEW

DSA



AGENCY APPROVAL STAMP

DSA FILE #: 56-C1 PROJECT TRACKING #: 03-123842

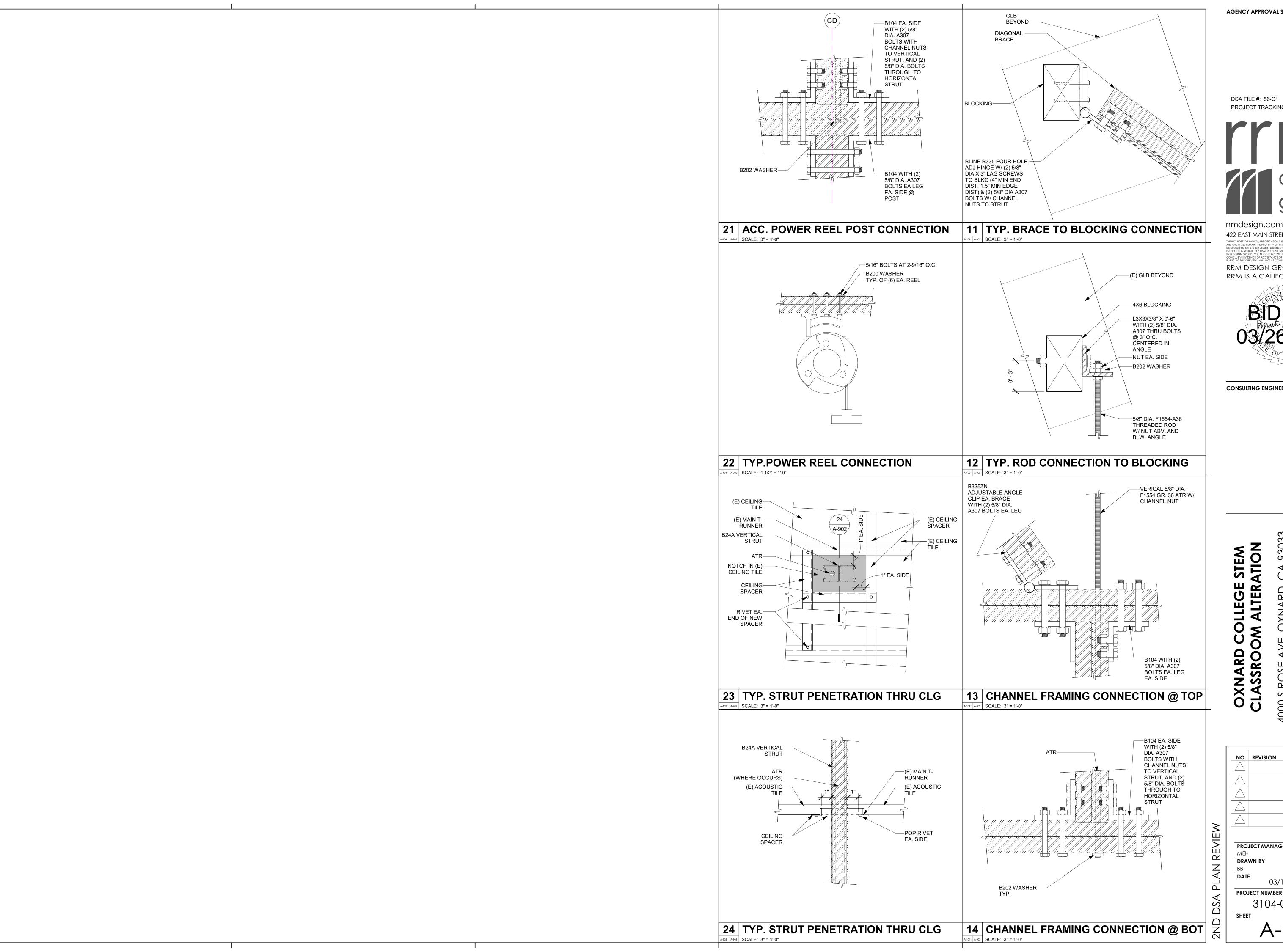
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STEM LLEGE ALTER XNARD, OXNARD COL ROSE

NO. REVISION DATE PROJECT MANAGER CHECKED BY DRAWN BY DG DATE 03/18/2024 **PROJECT NUMBER** 3104-01-ED23 A-901



AGENCY APPROVAL STAMP

PROJECT TRACKING #: 03-123842

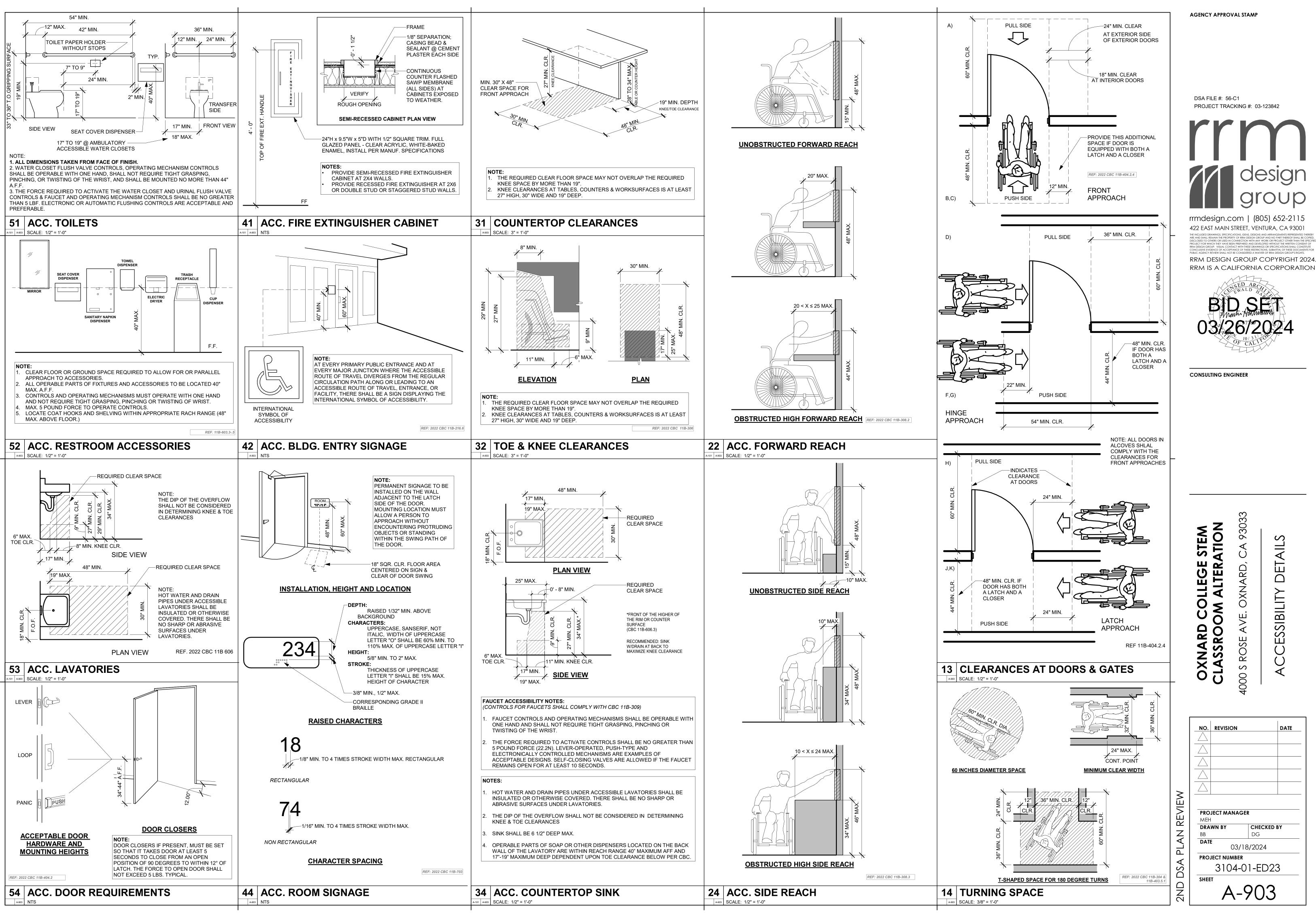
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CONSULTING ENGINEER

OXNARD COLLEGE STEM CLASSROOM ALTERATION OXNARD, ROSE,

NO. REVISION DATE PROJECT MANAGER DRAWN BY CHECKED BY DG DATE 03/18/2024 **PROJECT NUMBER** 3104-01-ED23 A-902



PROJECT TRACKING #: 03-123842

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DATE CHECKED BY 03/18/2024 3104-01-ED23 A-903

MECHANICAL & PLUMBING NOTES

1. SCOPE OF WORK: WORK INCLUDES THE FOLLOWING: FURNISH AND INSTALL ALL EQUIPMENT AND CONTROLS SHOWN ON THE ARCHITECTURAL, MECHANICAL, & PLUMBING DRAWINGS AND DESCRIBED IN THESE NOTES, THE BOOK SPECIFICATIONS AND THE CONTRACT DOCUMENTS. WORK INCLUDES BUT IS NOT LIMITED TO: RECONFIGURATION OF EXISTING MECHANICAL SYSTEM, INCLUDING REMOVAL OF DUCTWORK (WHERE INDICATED). MECHANICAL WORK INCLUDES THE FOLLOWING: INSTALLATION OF NEW EXHAUST FAN, EXHAUST HOOD, MAKEUP AIR UNIT, AIR DISTRIBUTION, DUCTING, AND CONTROLS. PLUMBING WORK INCLUDES THE FOLLOWING: INSTALLATION OF NEW CLASSROOM SINK AND ASSOCIATED PIPING. CONTRACTOR SHALL FURNISH AND INSTALL. MAKE OPERABLE. AND TEST ALL MECHANICAL & PLUMBING EQUIPMENT SHOWN ON THE PLANS. IN CONNECTION THEREWITH, CONTRACTOR SHALL ALSO FURNISH AND INSTALL ALL NECESSARY DEVICES, HARDWARE, AND SYSTEMS REQUIRED TO MAKE SAID EQUIPMENT PROPERLY AND SAFELY OPERABLE. INCLUDING BUT NOT LIMITED TO. MOUNTING HARDWARE, INSULATION, FILTERS, VIBRATION CONTROL DEVICES, DUCT SYSTEMS, CONTROL SYSTEMS, CUTTING & PATCHING, AND ROOF REPAIRS

2. EXAMINATION OF SITE AND CONTRACT DOCUMENTS, EACH BIDDER SHALL, AT ITS SOLE COST AND EXPENSE, INSPECT THE SITE OF THE PROPOSED WORK TO BECOME FULLY ACQUAINTED WITH CONDITIONS RELATING TO THE WORK AND TO FULLY UNDERSTAND THE FACILITIES, DIFFICULTIES AND RESTRICTIONS ATTENDING THE EXECUTION OF THE WORK UNDER THE CONTRACT DOCUMENTS AND COST THEREOF. BIDDERS SHALL THOROUGHLY REVIEW AND BE FAMILIAR WITH THE CONTRACT DOCUMENTS, INCLUDING WITHOUT LIMITATION, THE SPECIFICATIONS AND THE DRAWINGS. THE FAILURE OR OMISSION OF ANY BIDDER TO RECEIVE OR EXAMINE ANY OF THE CONTRACT DOCUMENTS, FORMS, INSTRUMENTS, ADDENDA, OR OTHER DOCUMENTS OR TO INSPECT THE SITE SHALL NOT RELIEVE SUCH BIDDER FROM ANY OBLIGATIONS WITH RESPECT TO THE BID PROPOSAL, THE CONTRACT OR THE WORK REQUIRED UNDER THE CONTRACT DOCUMENTS. THE OWNER ASSUMES NO RESPONSIBILITY OR LIABILITY TO ANY BIDDER FOR, NOR SHALL THE OWNER BE BOUND BY, ANY UNDERSTANDINGS REPRESENTATIONS OR AGREEMENTS OF THE OWNER'S AGENTS. EMPLOYEES OR OFFICERS CONCERNING THE CONTRACT DOCUMENTS OR THE WORK MADE PRIOR TO EXECUTION OF THE CONTRACT. THE SUBMISSION OF A BID PROPOSAL SHALL BE DEEMED PRIMA FACIE EVIDENCE OF THE BIDDER'S FULL COMPLIANCE WITH THE REQUIREMENTS OF THIS SECTION.

3. INTERPRETATION OF DRAWINGS, SPECIFICATIONS OR CONTRACT DOCUMENTS. IF ANY BIDDER IS IN DOUBT AS TO THE TRUE MEANING OF ANY PART OF THE DRAWINGS. THE SPECIFICATIONS OR OTHER PORTIONS OF THE CONTRACT DOCUMENTS; FINDS DISCREPANCIES, ERRORS OR OMISSIONS THEREIN; OR FINDS VARIANCES IN ANY OF THE CONTRACT DOCUMENTS WITH APPLICABLE RULES, REGULATIONS, ORDINANCES AND/OR LAWS, A WRITTEN REQUEST FOR AN INTERPRETATION OR CORRECTION THEREOF MAY BE SUBMITTED TO THE ENGINEER. IT IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE BIDDER TO SUBMIT SUCH REQUEST IN SUFFICIENT TIME FOR THE PREPARATION OF A RESPONSE THERETO AND DELIVERY OF SUCH RESPONSE TO ALL BIDDERS PRIOR TO THE SCHEDULED CLOSING FOR RECEIPT OF BID PROPOSALS. ANY REQUEST OF ANY BIDDER, PURSUANT TO THE FOREGOING SENTENCE THAT IS MADE LESS THAN SEVEN DAYS PRIOR TO THE SCHEDULED CLOSING DATE FOR THE RECEIPT OF BID PROPOSALS SHALL BE DEEMED UNTIMELY. ANY INTERPRETATION OR CORRECTION OF THE CONTRACT DOCUMENTS WILL BE MADE ONLY BY WRITTEN ADDENDUM DULY ISSUED BY THE OWNER OR THE ENGINEER. A COPY OF ANY SUCH ADDENDUM WILL BE MAILED OR OTHERWISE DELIVERED TO EACH BIDDER RECEIVING A SET OF THE CONTRACT DOCUMENTS. NO PERSON IS AUTHORIZED TO RENDER AN ORAL INTERPRETATION OR CORRECTION OF ANY PORTION OF THE CONTRACT DOCUMENTS TO ANY BIDDER, AND NO BIDDER IS AUTHORIZED TO RELY ON ANY SUCH ORAL INTERPRETATION OR CORRECTION.

4. DIMENSIONS, ALL DIMENSIONS SHALL HAVE PREFERENCE OVER SCALE, ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS BEFORE PROCEEDING WITH WORK. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON WORKING DRAWINGS. ALL SIZES OF EQUIPMENT AND MATERIALS SHALL BE VERIFIED WITH **EQUIPMENT MANUFACTURER.**

5. CODES AND STANDARDS: ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE 2022 CALIFORNIA PLUMBING CODE, THE 2022 CALIFORNIA MECHANICAL CODE, THE 2022 CALIFORNIA BUILDING CODE. THE STATE OF CALIFORNIA. THE LOCAL JURISDICTION. AND STANDARD CONSTRUCTION PRACTICES. ALL MECHANICAL EQUIPMENT SHALL BE IN STRICT ACCORDANCE WITH THE EQUIPMENT SCHEDULE, AND SHALL BE NEW AND FREE FROM DEFECTS. WHERE CONFLICT OR VARIATION EXISTS AMONGST CODES, SPECIFICATIONS, OR DRAWINGS, THE MOST STRINGENT SHALL GOVERN. NOTHING IN THESE PLANS AND SPECIFICATIONS SHALL BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO APPLICABLE CODES.

6. SUBMITTALS REQUIRED: PRIOR TO ORDERING EQUIPMENT AND MATERIALS, CONTRACTOR SHALL FURNISH TO ENGINEER / OWNER SUBMITTALS AND SHOP DRAWINGS OF ALL EQUIPMENT AND MATERIALS PROPOSED FOR USE IN THIS PROJECT. ORDERING OF EQUIPMENT AND MATERIALS SHALL ONLY PROCEED AFTER SATISFACTORY REVIEW OF ALL SUBMITTALS BY CONTRACTOR / ENGINEER / OWNER. COPIES OF ALL OWNER'S MANUALS. WARRANTIES AND OTHER WRITTEN INFORMATION REGARDING SYSTEMS SHALL BE PRESENTED TO THE OWNER PRIOR TO THE COMPLETION OF THE PROJECT.

7. CONSTRUCTION OBSERVATION: IN ADDITION TO THE REQUIREMENT FOR OBTAINING INSPECTIONS BY THE LOCAL JURISDICTION, CONTRACTOR SHALL NOTIFY ENGINEER AT APPROPRIATE TIMES DURING THE CONSTRUCTION PROCESS SO THAT ENGINEER CAN VISIT SITE TO BECOME GENERALLY FAMILIAR WITH THE PROGRESS AND QUALITY OF CONTRACTOR'S WORK AND TO DETERMINE IF THE WORK IS PROCEEDING IN GENERAL ACCORDANCE WITH THE CONTRACT DOCUMENTS.

8. UNIT LOCATIONS: EQUIPMENT AND SYSTEM LOCATIONS SHOWN ARE APPROXIMATE ONLY CONTRACTOR SHALL VERIFY LOCATIONS OF ALL STRUCTURAL MEMBERS AND EXISTING CONDITIONS IN THE FIELD, AND LOCATE UNITS AND DUCTWORK TO AVOID INTERFERENCE. ANY SIGNIFICANT DEVIATIONS FROM THE PLANS SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER. ALLOW CLEARANCE FOR DUCTWORK AND PIPING. ALL CLEARANCES REQUIRED BY UNIT MANUFACTURER SHALL BE MAINTAINED. ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH CODES AND THE RECOMMENDED INSTALLATION PROCEDURES PUBLISHED BY THE MANUFACTURER.

9. DUCTWORK: CONTRACTOR SHALL INSTALL NEW DUCTWORK IN THE APPROXIMATE LOCATIONS SHOWN ON THE DRAWINGS. ALL DUCTWORK SHALL BE SECURELY ANCHORED TO THE BUILDING IN AN APPROVED MANNER THAT WILL RENDER IT ABSOLUTELY FREE FROM VIBRATION AND LATERAL MOVEMENT. PROVIDE ALL OFFSETS & TRANSITION REQUIRED TO AVOID STRUCTURE & OTHER TRADES.

10. RECTANGULAR DUCTWORK SHALL BE MADE FROM GALVANIZED STEEL SHEETS. DUCT CONSTRUCTION, AND REINFORCING SHALL BE PER TABLES 6-A, 6-B, AND 6-C OF THE 2022 CALIFORNIA MECHANICAL CODE. DUCTWORK SHALL BE OF THE FOLLOWING GAUGES: UP TO 12" -26 GAUGE. 13"-30" - 24 GAUGE. CURVED ELBOWS SHALL HAVE CENTRALIZE RADIUS NOT LESS THAN THE WIDTH OF THE DUCT. WHERE ABRUPT TURNS AND ELBOWS ARE USED, TURNING VANES SHALL BE PROVIDED. TAKEOFFS FROM MAIN DUCTS SHALL BE MADE WITH 45 DEGREE ANGLES WITH VOLUME DAMPERS WHERE SHOWN. ALL PANELS SHALL BE CROSS BROKEN TO ENSURE RIGIDITY. EXTERIOR DUCTWORK SHALL BE GALVANIZED COATED MEETING THE ASTM G-90 REQUIREMENTS. EXTERIOR DUCTWORK SHALL BE SLOPED TO DRAIN. SEE BOOK SPECIFICATIONS FOR CONNECTION REQUIREMENTS. RECTANGULAR DUCTING SHALL BE CONNECTED WITH DUCTMATE 35 CONNECTORS.

11. DUCT SUPPORTS AND HANGERS: DUCT SUPPORTS SHALL BE PER 2022 CALIFORNIA MECHANICAL CODE. RECTANGULAR DUCTS WITH A MAXIMUM SIZE NOT EXCEEDING 30" AND ALL ROUND DUCTS SHALL BE SUPPORTED WITH ONE INCH WIDE 18 GAUGE HANGER STRAPS. SUPPORTS SHALL BE LOCATED ON TWO OPPOSITE SIDES OF THE DUCT, SHALL BE METAL SCREWED TO THE SIDES AND BOTTOM OF THE DUCT, SHALL BE SPACED AT NOT MORE THAN 7'-8" ON CENTERS AND SHALL BE LATERALLY BRACED. SECURE STRAPS TO STRUCTURAL FRAMING PER SMACNA STDS.

12. VOLUME DAMPERS: LOCKING SHEET METAL VOLUME DAMPERS SHALL BE INSTALLED AT THE POINT OF TAKEOFF FROM MAIN DUCTING AT ALL LOCATIONS SHOWN ON PLANS AND ELSEWHERE AS NECESSARY FOR PROPER BALANCING OF THE SYSTEM. BALANCING AT DIFFUSERS OR RETURN AIR GRILLES ONLY WILL NOT BE PERMITTED.

13. PIPING LOCATIONS: PIPING LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL LATERAL STUBS, OFFSETS, OBSTRUCTIONS, ETC. REQUIRED IN THE FIELD. THE ACTUAL LOCATIONS OF LINES, CLEANOUTS AND CONNECTIONS MAY VARY PROVIDED THAT COMPLETE SYSTEMS ARE SIZED AND INSTALLED IN COMPLIANCE WITH CODES ANY SIGNIFICANT DEVIATIONS FROM THE PLANS SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER PRIOR TO INSTALLATION.

14. BALANCING: FOLLOWING INSTALLATION, CONTRACTOR SHALL START UP AND BALANCE ALL HVAC SYSTEMS TO CONFORM TO AIR VOLUMES INDICATED ON PLANS. COPIES OF BALANCING RECORDS SHALL BE FURNISHED TO BUILDING OWNER AND PROJECT ARCHITECT. SEE BOOK SPECIFICATIONS FOR FURTHER REQTS.

15. EXHAUST FAN AND FLUE DISCHARGE: ALL EXHAUST FAN DUCTWORK AND FLUES SHALL BE RUN TO A POINT AT LEAST 10 FEET FROM AIR INTAKES OR OTHER OPENINGS TO THE BUILDING

16. VIBRATION ISOLATION INSTALL FLEXIBLE CONNECTIONS BETWEEN MECHANICAL EQUIPMENT AND DUCTWORK. ISOLATE PIPING & DUCTWORK FROM STRUCTURE TO PREVENT EXCESSIVE VIBRATION ISOLATION. AFTER START-UP VERIFY THAT NO VIBRATION IS TRANSMITTED. CORRECT ANY DEFICIENCIES.

17. COORDINATION: MECHANICAL CONTRACTOR SHALL COORDINATE WORK WITH THE PROJECT MANAGER AND ALL RELATED TRADES.

18. CLEANUP: EVERY DAY, AND AFTER ALL WORK HAS BEEN COMPLETED, CONTRACTOR SHALL CLEAN ENTIRE JOB-SITE OF ALL DEBRIS ASSOCIATED WITH MECHANICAL SYSTEMS. EXPOSED PARTS WHICH ARE TO BE PAINTED SHALL BE THOROUGHLY CLEANED READY FOR PAINTING.

19. COORDINATION DURING CONSTRUCTION: THE CONTRACTOR SHALL COORDINATE ANY NECESSARY CHANGES IN WORK SCHEDULING WITH THE OWNER TO MINIMIZE THE DISRUPTION. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED BY HIS WORK TO BUILDING(S) AND EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.

20. CORRECTION OF WORK: THE CONTRACTOR SHALL PROMPTLY CORRECT ALL WORK THE OWNER FINDS DEFECTIVE OR FAILING TO CONFORM TO THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BEAR ALL COSTS REQUIRED BY THE CONTRACT DOCUMENTS, IF ANY OF THE WORK IS FOUND TO BE DEFECTIVE OR NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL CORRECT IT PROMPTLY AFTER RECEIPT OF A WRITTEN NOTICE FROM THE OWNER TO DO SO.

21. AS-BUILT DRAWINGS SHALL BE GIVEN TO THE OWNER PRIOR TO ACCEPTANCE OF THE PROJECT. INCLUDED IN THE AS-BUILTS SHALL BE DOCUMENTATION AND TWO COPIES OF THE PRINTED SHEETS AND PLANS ON MAGNETIC MEDIA.

22. ALL WORK SHALL BE PERFORMED BY TRAINED AND QUALIFIED WORKERS. THE INSTALLATION SHALL BE EQUAL OR BETTER TO THE STANDARD OF CARE FOR THE RESPECTIVE TRADE. WORK SHALL BE NEAT AND CLEAN.

23. WATER PIPING: ALL UNDERGROUND SITE PIPING SHALL BE U.S. MANUFACTURED SCH. 40 PVC. ALL ABOVE GROUND COLD AND HOT WATER PIPES IN BUILDINGS SHALL BE U.S. MANUFACTURED TYPE "L" HARD COPPER WITH (NON-LEAD) SOLDER SWEAT JOINTS. ALL UNDERGROUND WATER PIPING IN BUILDINGS SHALL BE U.S. MANUFACTURED TYPE "K" SOFT COPPER, WITH NO JOINTS ALLOWED UNDER SLABS. UNDERGROUND WATER PIPING SHALL BE IN PE SLEEVE AND SCH 10 STAINLESS STEEL SLEEVE AT SLAB. UNDERGROUND COPPER JOINTS SHALL BE BRAZED. ALL WATER SHUT-OFF VALVES SHALL BE BALL TYPE OF LEAD-FREE CONSTRUCTION, NIBCO S-685-80-LF OR EQUAL. WHERE PIPES PIERCE FINISHED SURFACES, CHROME PLATED CAST BRASS ESCUTCHEONS WITH SET SCREW (BRASSCRAFT CB SERIES OR EQUAL) SHALL BE INSTALLED. SINK STOPS SHALL BE LEAD-FREE HEAVY PATTERN, ANGLE, 1/2" FÉMALE INLET, 1/2" FEMALE OUTLET, WITH LOOSE KEY, CHROME PLATED, CHICAGO FAUCET 442-LKABCP OR EQUAL. CONNECT STOPS WITH CHROME PLATED BRASS NIPPLES INTO FIP ADAPTERS BEHIND ESCUTCHEONS. SUPPLY TUBES SHALL BE BRAIDED STAINLESS STEEL WITH (1) 1/2" FEMALE FITTING & (1) 1/2" MALE FITTING

24. WASTE AND VENT PIPING: ALL DRAINS, VENTS, & FITTINGS SHALL BE U.S. MANUFACTURED "NO-HUB" CAST IRON WITH STAINLESS STEEL BAND CLAMPS. THE BUILDING SEWER (BEYOND 5 FEET OF FOUNDATION) SHALL BE U.S. MANUFACTURED SCHEDULE 40 PVC PLASTIC GRAVITY SEWER PIPE MEETING THE REQUIREMENTS OF ASTM D-2665.& D-1785& NSF LISTED. EXTENSIONS TO SERVE CLEANOUTS AT GRADE SHALL BE NO-HUB CAST IRON WITH STAINLESS STEEL BAND CLAMPS. ALL LINES SHALL BE SLOPED @ 1/4"/FT MIN OR IN COMPLIANCE WITH CODE. WHERE VENT PIPES PENETRATE THE ROOF, PIPING SHALL BE FLASHED AND COUNTER-FLASHED. VANDAL-PROOF VENT CAPS (JR SMITH 1748, ZURN Z-193, OR EQUAL) SHALL BE INSTALLED ON EVERY PLUMBING VENT. SINKS SHALL BE INSTALLED WITH ADA COMPLIANT OFFSET PERFORATED GRID DRAIN ASSEMBLIES, AMER STD, OR EQUAL. SINK P-TRAPS SHALL BE INSTITUTIONAL GRADE CHROME PLATED VANDAL-PROOF HEAVY DUTY CAST BRASS, MCGUIRE MFG CO "VANDAL TRAP", OR EQUAL. WHERE DRAINS PENETRATE WALLS, CHROME PLATED CAST BRASS ESCUTCHEONS WITH SET SCREWS SHALL BE INSTALLED. COMBINE ALL PLUMBING VENTS AND RUN TO HIGHEST PART OF ROOF, AT LEAST 10-FT. FROM AIR INTAKES. ALL UNDERGROUND CAST IRON SHALL BE WRAPPED WITH 10 MIL POLYETHYLENE PER THE DUCTILE IRON PIPE RESEARCH COUNCIL RECOMMENDATIONS.

25. CLEANOUTS: WALL CLEANOUTS SHALL BE CAST IRON CLEANOUT TEE WITH COUNTERSUNK BRONZE PLUG AND ROUND STAINLESS STEEL COVER WITH VANDAL-PROOF -SCREWS - J.R. SMITH 4532S-UY; ZURN Z-1446-BP-VP, OR EQUAL. FLOOR CLEANOUTS SHALL BE CAST IRON BODY WITH BRONZE PLUG AND SQUARE ADJUSTABLE NON-SKID NICKEL-BRONZE TOP WITH VANDAL PROOF TOP FOR FINISHED FLOOR, J.R. SMITH 4043S-PB, ZURN ZN-1400-TVP, OR EQUAL CLEANOUTS TO GRADE SHALL BE J.R. SMITH 4253S OR EQUAL WITH BRONZE PLUG AND NON-SKID COVER WITH LIFTING DEVICE SET FLUSH WITH SURFACE FOR PAVED AREAS. NON-TRAFFIC OR NON-SURFACED AREAS SHALL BE INSTALLED WITH CAST IRON CLEANOUT RISERS TERMINATING WITH BRONZE PLUG WITHIN CONCRETE YARD BOX WITH CAST IRON COVER AND THE WORDS "BUILDING SEWER CLEANOUT" MARKED ON COVER.

26. PIPING SUPPORT: ALL PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2022 CALIFORNIA PLUMBING CODE. HORIZONTAL WATER PIPES AND CONDENSATE DRAINS SHALL BE HUNG WITH SUPERSTRUT C-727-F ADJUSTABLE FELT-LINED PIPE HANGERS. THREADED ROD. AND BEAM ATTACHMENT BRACKETS, LOCATED AT SIX FOOT MAXIMUM INTERVALS. VERTICAL WATER PIPES AND CONDENSATE DRAINS SHALL BE SUPPORTED AT THEIR BASES AND AT EACH STORY OR AT TEN FOOT MAXIMUM INTERVALS. TO PREVENT SWAYING, PROVIDE LATERAL BRACING AT SIX FOOT INTERVALS ANCHORED TO OVERHEAD FRAMING. HORIZONTAL NATURAL GAS PIPING SHALL BE SUSPENDED WITH THE SAME HARDWARE AS FOR WATER PIPING. EXCEPT WITHOUT FELT LINER. LOCATED EVERY TEN FEET FOR PIPES 3/4" AND SMALLER, AND TWELVE FEET MAXIMUM FOR PIPES 1" AND LARGER. VERTICAL NATURAL GAS PIPING SHALL BE SUPPORTED AT EACH STORY HEIGHT. TO PREVENT SWAYING, PROVIDE LATERAL BRACING AT TEN FOOT INTERVALS ANCHORED TO OVERHEAD FRAMING.

GREEN BUILDING NOTES

1. GENERAL CONTRACTOR SHALL ESTABLISH A CONSTRUCTION WASTE MANAGEMENT PLAN FOR THE DIVERTED MATERIALS, OR MEET LOCAL CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT ORDINANCE, WHICHEVER IS MORE STRINGENT. WASTE MANAGEMENT PLAN

A.) IDENTIFY THE MATERIALS TO BE DIVERTED FROM DISPOSAL BY EFFICIENT USAGE, RECYCLING, REUSE ON THE PROJECT OR SALVAGE FOR FUTURE USE OR SALE.

B.) DETERMINE IF MATERIAL WILL BE SORTED ON-SITE OR MIXED C.) IDENTIFY DIVERSION FACILITIES WHERE MATERIALS COLLECTED WILL BE TAKEN.

D.) SPECIFY THE AMOUNT OF MATERIALS DIVERTED WHICH SHALL BE CALCULATED BY WEIGHT OR VOLUME. BUT NOT BOTH.

2. RECYCLE WASTE MATERIAL BEING REMOVED FROM SITE TO THE GREATEST EXTENT POSSIBLE. RECORD ALL AMOUNTS DISPOSED AND ALL AMOUNTS RECYCLED.

3. COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION: AT THE TIME OF ROUGH INSTALLATION, OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUCT OR DEBRIS WHICH MAY COLLECT IN THE SYSTEM. PER THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, C.G.B.S.C., SECTION 5.504.3

PLUMBING FIXTURE SCHEDULE

SYMBOL WASTE VENT CW HW DESCRIPTION



1-1/2 1/2 -

CLASSROOM SINK, ELKAY MODEL LRAD312265PD, SINGLE BOWL, 18 GAUGE TYPE 304 STAINLESS STEAL SINK, 6-1/2" DEEP. THREE HOLE (4" CENTERS), AND CENTER REAR DRAIN. CHICAGO FAUCET MODEL 895-317GN2AE35ABCP FAUCET W/ GOOSENECK SPOUT AND 1.5 GPM PRESSURE COMPENSATING SOFTFLO AERATOR. PROVIDE NEW TAILPIECE, P-TRAP, DRAIN PIPING, ANGLE STOP, SUPPLY TUBES. AND ESCUTCHEONS. SEE ARCHITECTURAL PLANS FOR ADA COMPLIANT REQUIREMENT FOR HEIGHTS AND LOCATIONS (VERIFY SIZE WITH CABINET CONTRACTOR PRIOR TO ORDERING.)



1-1/2 1/2 -

DRINKING FOUNTAIN: ELKAY MODEL VRCTLDDSC, WALL MOUNT, VANDAL RESISTANT, BI-LEVEL, ADA COOLER, NON-FILTERED, NON-REFRIGERATED STAINLESS STEEL, WITH SUPPORT FRAME MODEL MLP200. SEE ARCH. DETAILS FOR DIMENSIONS AND ADA COMPLIANT REQUIREMENTS.

AIR DISTRIBUTION SCHEDULE



PENTHOUSE VENTILATOR, (INTAKE / RELIEF). RUSKIN MODEL PHM, WITH ELF375X LOVER MODEL. CUSTOM KYNAR COLOR, INSECT SCREEN. INCLUDE SLOPED ROOF CURB. OBTAIN COLOR FROM ARCHITECT. SEE MECHANICAL PLAN FOR SIZES. SEE ARCHITECTURAL PLANS FOR FLASHING DETAILS.

HOOD SCHEDULE



HOOD. GREENHECK TYPE 2, HEAT & CONDENSATE HOOD, MODEL GO-60.00-S. 600 CFM @ .30" W.C. 403 STAINLESS STEEL 100% CONSTRUCTION. 42"W x 24"H x 60"L, FACTORY MOUNTED 9"x6" DUCT COLLAR. OPERATING WEIGHT 104 LBS.

EXHAUST FAN SCHEDULE



EXHAUST FAN. GREENHECK DD UPBLAST CENTRIFUGAL ROOF EXHAUST FAN, MODEL CUE-100HP-VG. 600 CFM @ .557" W.C. INCLUDE FACTORY SLOPED (VERIFY SLOPE) ROOF CURB AND BACKDRAFT DAMPER. SEE ARCHITECTURAL PLANS FOR FLASHING DETAILS. ELEC. 115V / 1PH/ 60HZ, 8 MCA, 15 MOCP. OPERATING WEIGHT 80 LBS.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26, AND 30:

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVEABLE 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 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 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 TRANSVERSE AND LONGITUDINAL DIRECTION.

- 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.
- 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.

APPLICABLE CODE: 2022 CBC

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, 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 PREAPPROVED 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 ☐ MD ☒ PP ☐ E ☐ - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP ☐ MD ☐ PP ☐ E ☐ - OPTION 2: SHALL COMPLY WITH HCAI (OSHPD) PRE-APPROVAL (OPM #) #___ AS INCLUDED IN THESE DRAWINGS WITH PROJECT-SPECIFIC NOTES AND DETAILS.

AGENCY APPROVAL STAMP

ABBREVIATIONS

ABOVE

BUILDING

BELOW

BOTTOM

CEILING

CONCRETE

CONTINUED

DIAMETER

DRAWING

EXISTING

ELEVATION

ELECTRIC

EQUIPMENT

EQUIPMENT

EXHAUST

FINISHED

FLOOR

FROM

MINIMUM

METAL

SHEET

STEEL

TYPICAL

NEW

MAXIMUM

ON CENTER

EACH

DOWN

CENTERLINE

ABV.

BLDG

BLW.

BTM

CFM

CLG

CONC

CONT

DWN

DSA

DWG

EL,ELEV

ELEC

EQUIP

ESP

EXH

FIN

FLR

FRM

GPM

GSM

HP

MIN.

MAX. MTL

(N)

ÒĆ POC

PSI

RAG

RAR

SHT

SMS

SR

SOV

SPEC

UGND

STL

VD

VTR

WC

WCO

(TYP)

EQ

(E)

DIA

CD

CL

APPROX.

ABBREVIATIONS

APPROXIMATELY

CEILING DIFFUSER

ABOVE FINISHED FLOOR

CUBIC FEET PER MINUTE

DIVISION OF THE STATE ARCHITECT

EXTERNAL STATIC PRESSURE

GALLONS PER MINUTE

HORSE POWER

GALVANIZED STEEL METAL

POINT OF CONNECTION

RETURN AIR REGISTER

SHEET METAL SCREW

SIDEWALL REGISTER

SHUT-OFF VALVE

SPECIFICATIONS

UNDERGROUND

VENT TO ROOF

WATER COLUMN

WALL CLEAN-OUT

RETURN AIR GRILLE

POUNDS PER SQUARE INCH

VOLUME DAMPER (LOCKING)



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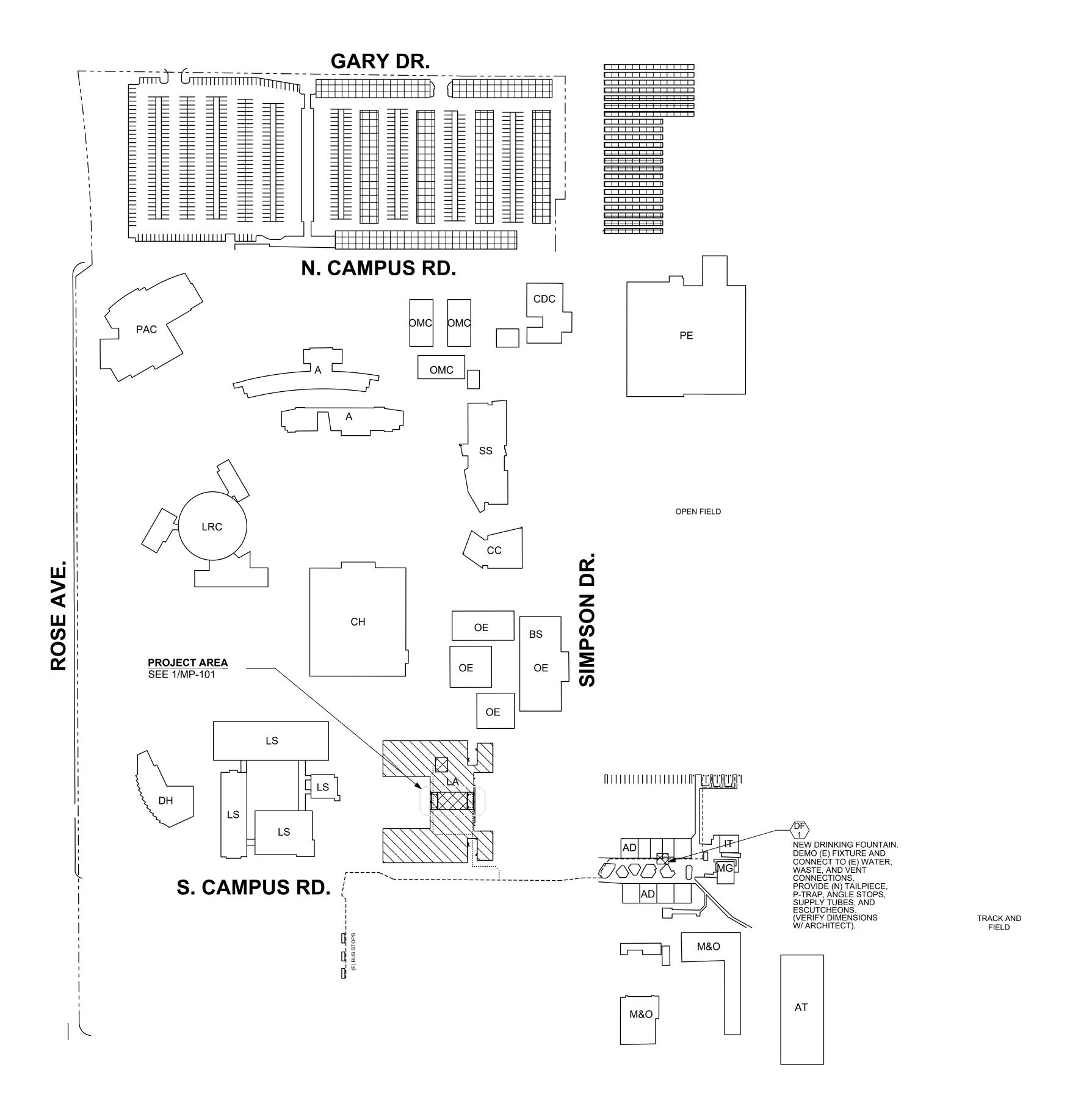
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E. BARD RD.

1 OVERALL MECHANICAL & PLUMBING CAMPUS PLAN

SCALE: 1" = 120'-0"



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PLUMBING

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PROJECT MANAGER

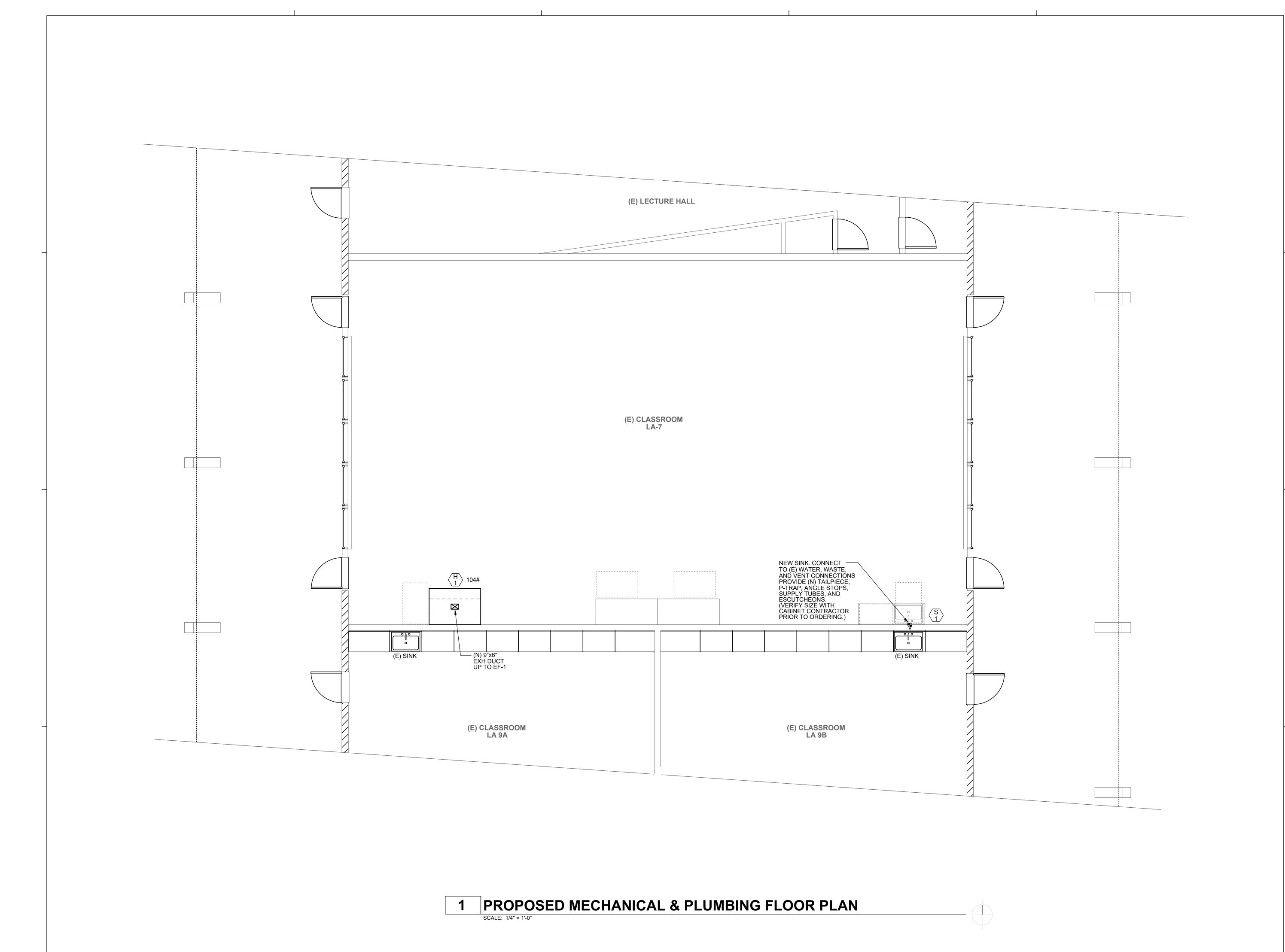
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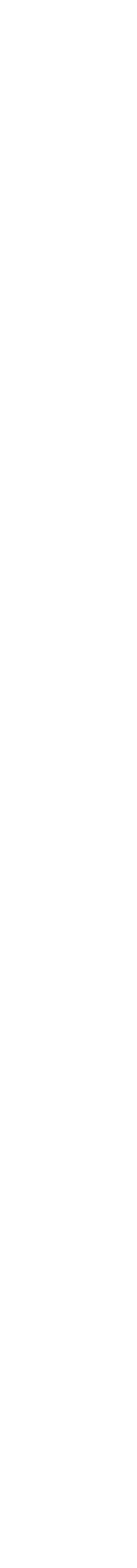
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SHEET MP 101

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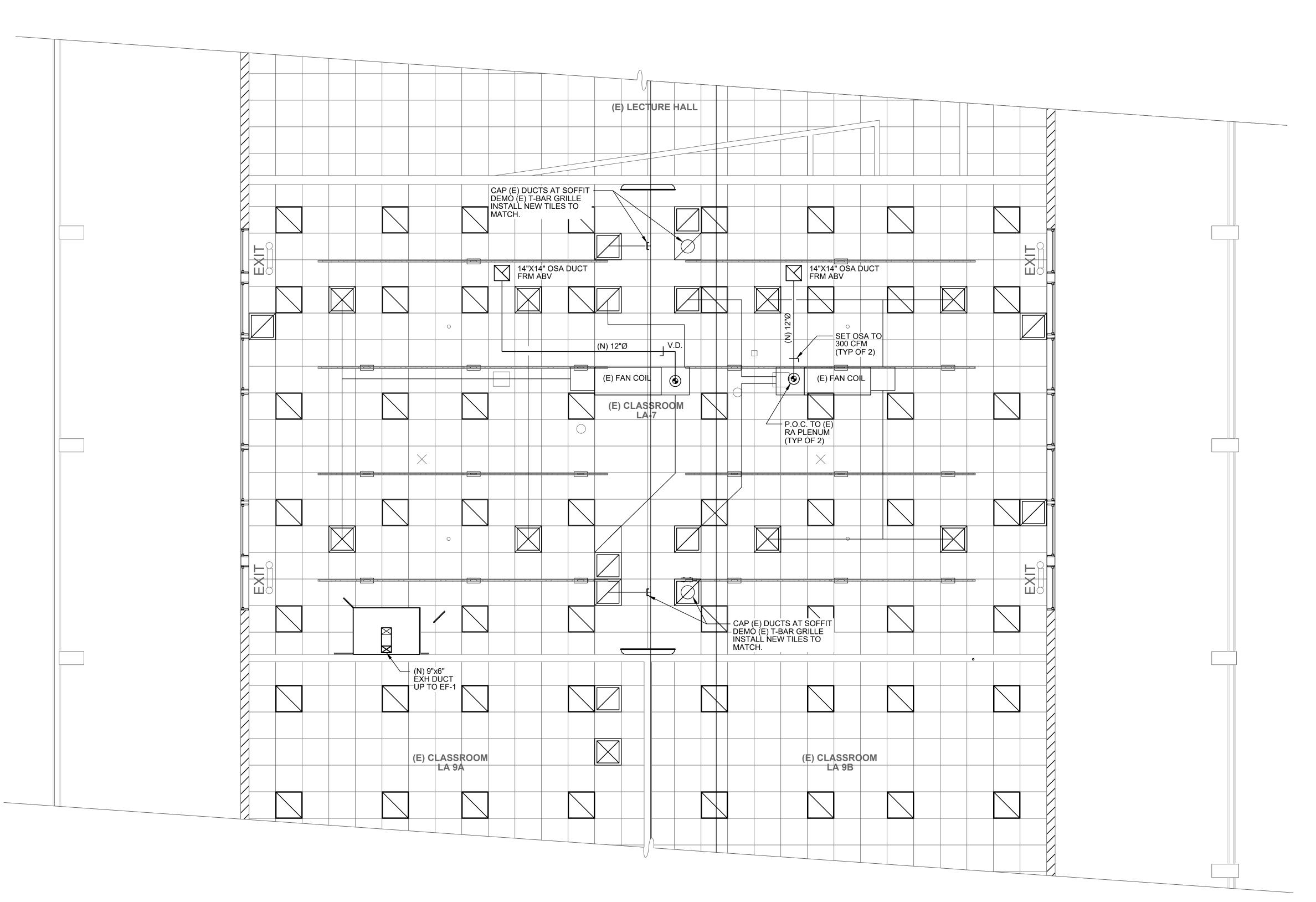
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MECHANICAL REFLECTED CEILING PLAN

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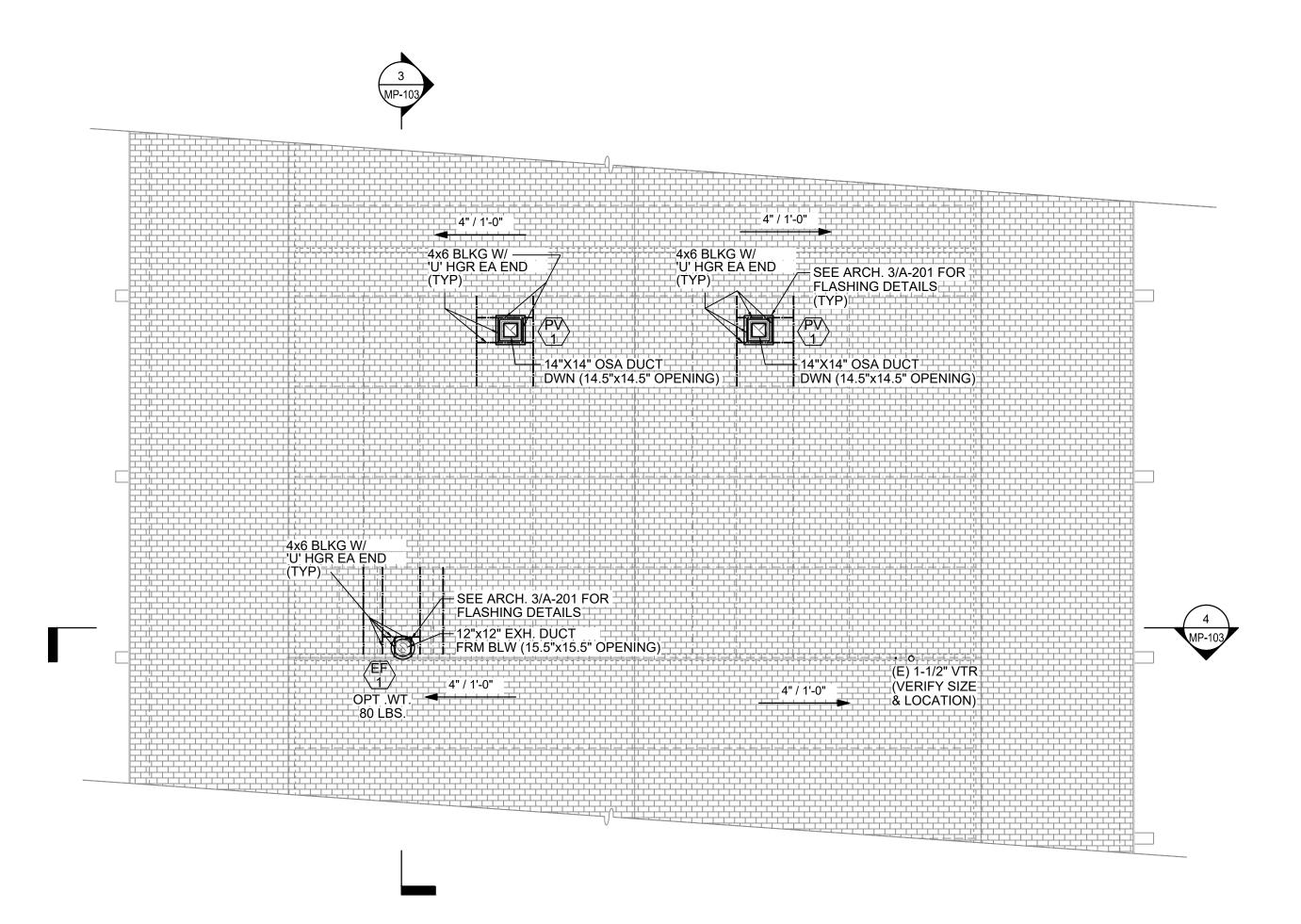
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PROPOSED MECHANICAL REFLECTED CEILING PLAN

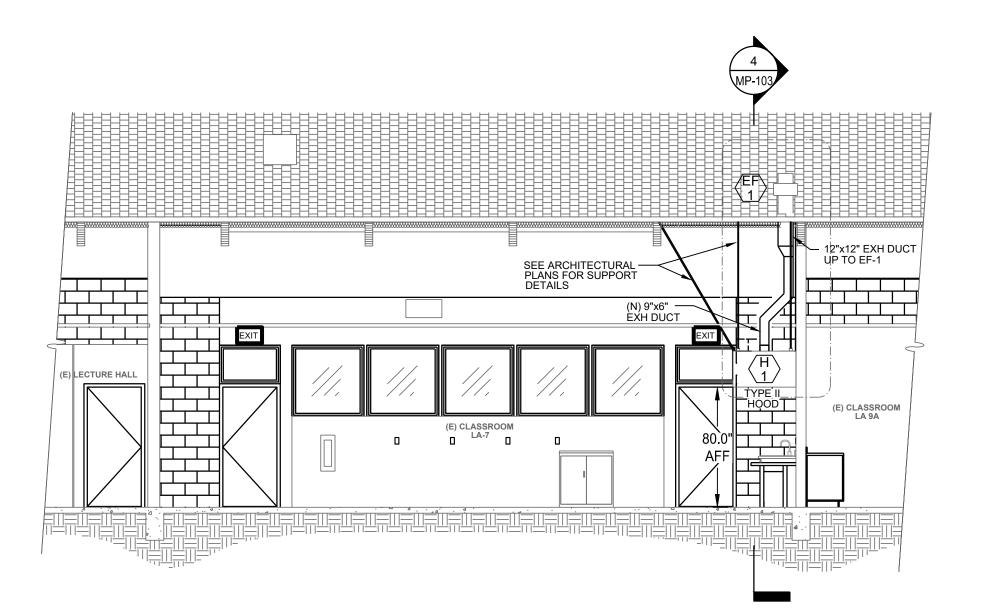
SCALE: 1/4" = 1'-0"



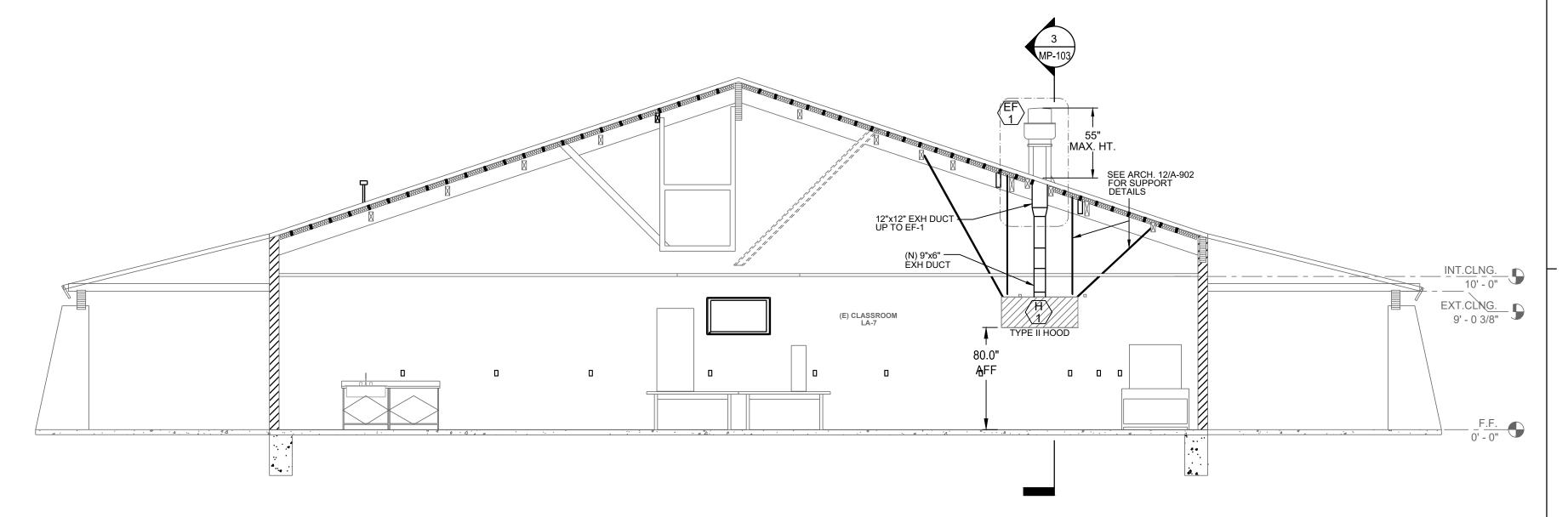


1 OVERALL MECH. & PLUMB. ROOF PLAN
SCALE: 1/32" = 1'-0"

2 PROPOSED MECHANICAL & PLUMBING ROOF PLAN SCALE: 1/8" = 1'-0"



PROPOSED MECHANICAL SECTION A LOOKING EAST
SCALE: 3/16" = 1'-0"



4 PROPOSED MECHANICAL SECTION B LOOKING SOUTH



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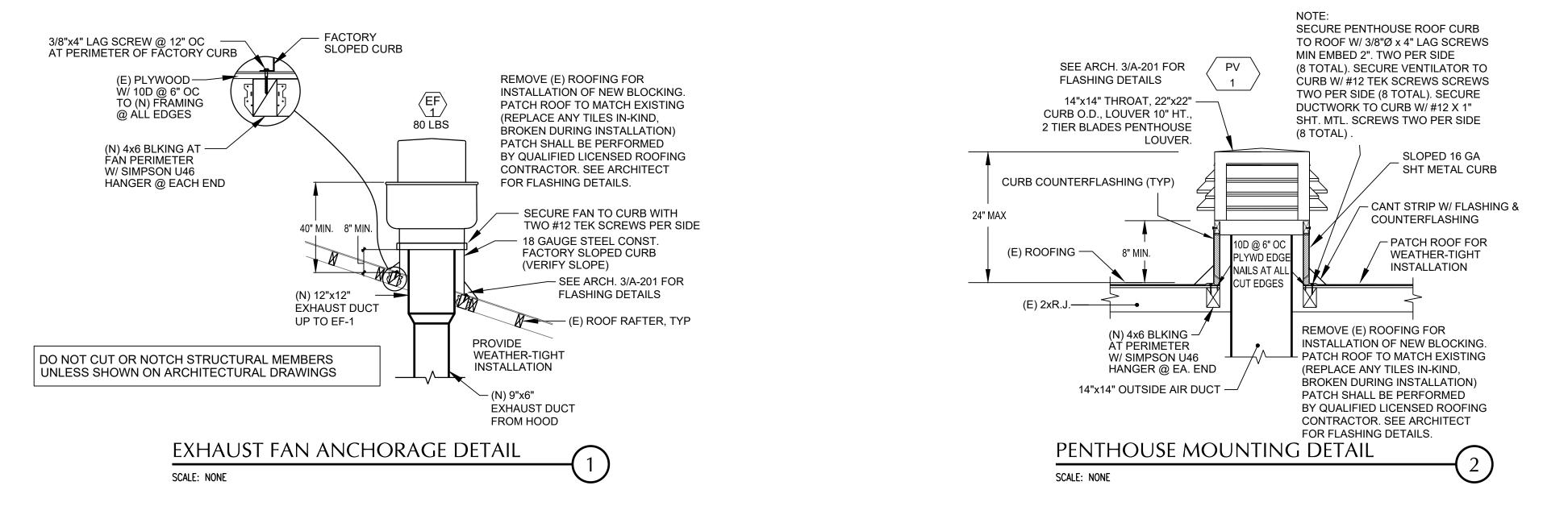
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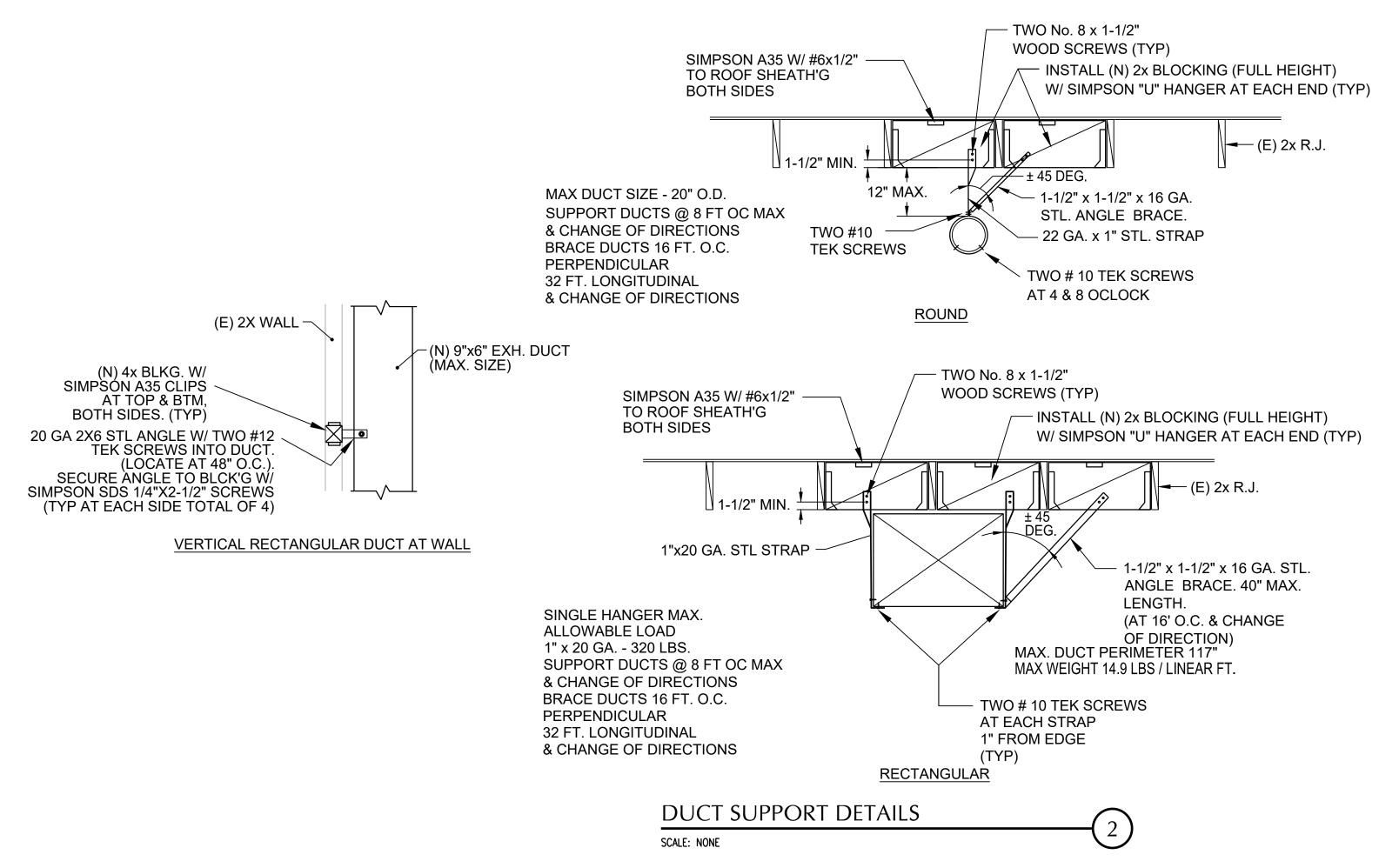


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FAU FORCED AIR UNIT AMPERE AMP BREAKER FBO FURNISHED BY OTHERS ABAND ABANDONED FAN COIL ABOVE FULL LOAD AMPS ALTERNATING CURRENT FI OOR AIR CONDITIONER ADJACENT AMP FUSE AMP FRAME ABOVE FINISH FLOOR BOVE FINISH GRADE AMPERES INTERRUPTING CAPACITY ALUMINUM AMP SWITCH RATING AUTOMATIC TIME SWITCH AUTOMATIC TRANSFER SWITCH GRS AUDIBI F/AUDIO VISUAI AMERICAN WIRE GAGE BELOW FINISH GRADE BASIC IMPULSE LEVEL BUILDING CONDUIT CATV CONDUIT CABINET CABLE TELEVISION CIRCUIT BREAKER, CODE BLUE CA. BUILDING CODE CA. ELECTRICAL CODE CA. ENERGY COMMISSIO COMPACT FLUORESCENT CALIFORNIA FIRE CODE CEILING CENTER LINE **CIRCUIT** kVA CNT'R CONTRACTOR CONDUIT ONLY (W/PULL ROPE) CONDUIT CONDUCTOR CRITICAL BRANCH CALIFORNIA SFM LS CURRENT TRANSFORMER COPPER LTG CONDENSING UNIT DIRECT CURRENT MCA DRINKING FOUNTAIN DIAMETER DISCONNECT DISTRIBUTION DOUBLE POLE SINGLE THROW DISHWASHER **EMERGENCY** MFS EXISTING **ELECTRONIC BALLAST** ELECTRICAL CONTRACTOR **EVAPORATIVE COOLER**

FLUOR FLUORESCENT FUSIBLE SWITCH FVNR FULL VOLTAGE NON-REVERSING GROUNDING CONDUCTOR GENERAL CONTRACTOR GARBAGE DISPOSAL GROUND FAULT CIRCUIT INTERRUPTER GROUND FAULT CIRCUIT INTERRUPTER GROUND GALVANIZED RIGID STEEL GANG WITH SWITCH HEIGHT, HIGH HACR HEATING, AC & REFRIG HIGH INTENSITY DISCHARGE HIGH OUTPUT HAND-OFF-AUTO HORSEPOWER HIGH POWER FACTOR HIGH PRESSURE SODIUM INTERCOM **IDENTIFICATION** INTERMEDIATE DISTRIBUTION FRAME INDOOR UNIT INSIDE FROST ISOLATED GROUND J-BOX JUNCTION BOX **QUANTITY 1000** KILOVOLTAMPS KILOWATT LIGHTING CONTACTOR LOW PRESSURE SODIUM LOCKED ROTOR AMPS LIFE SAFETY BRANCH LIGHTING LOW VOLTAGE MECHANICAL CONTRACTOR MINIMUM CKT AMPS MCB MAIN CIRCUIT BREAKER MCTB MAIN CATV TERMINAL BOARD MCTC MAIN CATV TERMINAL CABINET MDF MAIN DISTRIBUTION FRAME MECH MECHANICAL MFR MANUFACTURER MAIN FUSIBLE SWITCH METAL HALIDE MLO MAIN LUGS ONLY MOCP MAXIMUM OCP MPOE MINIMUM POINT OF ENTRY MSB MAIN SWITCHBOARD MOUNT MT HT MOUNTING HEIGHT MTS MANUAL TRANSFER SWITCH MTTB MAIN TELEPHONE TERMINAL BOARD MTTC MAIN TELEPHONE TERMINAL CABINET MW MICROWAVE NEUTRAL (GROUNDED CONDUCTOR) (N) N3R NEMA 3R NORMALLY CLOSED NATIONAL ELECTRICAL CODE NEMA NAT'L ELEC MANUFACTURER'S ASSOC NOT IN CONTRACT NIGHT LIGHT NORMALLY OPEN NORMAL POWER FACTOR NTS NOT TO SCALE ON CENTER

ABBREVIATIONS

OVERHEAD OSA OFFICE of the STATE ARCHITECT OSHPD OFFICE of STATEWIDE HEALTH PLANNING & DEVELOPMENT OVERLOAD POLE PUBLIC ADDRESS PULLBOX PULL CHAIN PHOTOCELL PLUMBING CONTRACTOR PHASE PANFI POINT OF CONNECTION POWER PRIMARY POWER SECONDARY PHOTOVOLTAIC RELOCATE(D) RÉCEPT RECEPTACLÉ REFRIGERATOR REQ'D REQUIRED RATED LOAD AMPS RMC RIGID METAL CONDUIT REMOVE **RPLC** REPLACE RAPID START SIGNAL CABINET SHORT CKT CURRENT STATE FIRE MARSHA SHEET SLIMLINE, SWITCH LEG SPECIFICATION SINGLE POLE SINGLE THROW SQ STR'G SQUARE STORAGE SURF SURFACE SVC SERVICE SWITCH TRANSFORMER TERMINA TELEPHONE CONDUIT TO BE REMOVED TIME CLOCK TELEPHONE TELCO TELEPHONE COMPANY TIME SWITCH TIME SWITCH OVERRIDE TWISTED SHIELDED PAIR TTB TELEPHONE TERMINAL BOARD TELEPHONE TERMINAL CABINET TRANSFORMER TYP SIM TYPICAL SIMILAR UNDERCABINET, UNDERCOUNTER UNDERGROUND UNDERGROUND PULL SECTION **UGPS UNDERWRITERS LABORATORIES** UNLESS OTHERWISE NOTED USA UG SVC ALERT 800-642-2444 **VOLT AMPERES** VOLT ALTERNATING CURRENT VERY HIGH OUTPUT VOLT VOLTAGE VANDAL-RESISTANT WIDTH WATT WIRE WATER HEATER WEATHERPROOF (NEMA 3R) TRANSFORMER INDICATES MOUNTING HEIGHT AFF

OVERCURRENT PROTECTION

OUTSIDE DIAMETER

OUTDOOR UNIT

GENERAL NOTES

AND ORDINANCES AS SET FORTH BY THE AUTHORITIES HAVING JURISDICTION AND THEIR LATEST ADOPTED EDITIONS (IN EFFECT AT TIME OF BUILDING PERMIT APPLICATION) OF THE FOLLOWING PUBLICATIONS: A. CALIFORNIA CODE OF REGULATIONS TITLE 24; INCLUDES 2022 CALIFORNIA ELECTRICAL CODE, 2022 CALIFORNIA

CODE COMPLIANCE: ALL WORK SHALL CONFORM TO AND BE PERFORMED IN ACCORDANCE WITH CODES, STANDARDS,

FIRE CODE, 2022 CALIFORNIA BUILDING CODE, ETC. WITH LOCAL AMENDMENTS AS APPLICABLE.

AMERICANS WITH DISABILITIES ACT (ADA).

SAFETY: THE ELECTRICAL CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL EQUIPMENT IN A SAFE AND RESPONSIBLE MANNER. KEEP DEAD FRONT EQUIPMENT IN PLACE WHILE EQUIPMENT IS ENERGIZED. CONDUCT ALL CONSTRUCTION OPERATIONS IN A SAFE MANNER FOR EMPLOYEES AS WELL AS OTHER WORKPERSONS OR ANYONE VISITING THE JOB SITE. PROVIDE BARRIERS, FLAGS, TAPE, ETC. AS REQUIRED FOR SAFETY. THE CONTRACTOR SHALL HOLD ALL PARTIES HARMLESS OF NEGLIGENT SAFETY PRACTICES, WHICH MAY CAUSE INJURY TO OTHERS ON OR NEAR THE JOB SITE.

FIRE RATED ASSEMBLIES SHALL MAINTAIN RATINGS AS SPECIFIED IN THE CALIFORNIA BUILDING CODE CHAPTER 7. CONTRACTOR SHALL PROVIDE AND INSTALL PHYSICAL ENCLOSURE AROUND FIXTURES, PANELS, ETC. AS REQUIRED. ALL ASSEMBLIES TO BE PENETRATED SHALL BE INSTALLED WITH APPLICABLE THROUGH-PENETRATION FIRESTOP SYSTEM AS DETERMINED BY UL CLASSIFICATION. BEFORE CONSTRUCTION, VERIFY AND COMPLY WITH REQUIREMENTS OF LOCAL AUTHORITY HAVING JURISDICTION.

4. MOUNTING HEIGHTS SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:

+15" AFF: RECEPTACLES, TELEPHONE, TV & DATA OUTLETS. (MEASURED BOTTOM OF OUTLET BOX)

+46" AFF: OUTLET ABOVE COUNTER (MEAUSRED TOP OF OUTLET BOX) +48" AFF: LIGHT SWITCHES. (MEASURED TOP OF OUTLET BOX)

+48" AFF: FIRE ALARM MANUAL PULL STATIONS, T-STATS. (MEASURED TOP OF OUTLET BOX)

THE LOWER OF +80" AFF TO BOTTOM OF LENS, OR 6" BELOW CEILING: FIRE ALARM VISUALS.

ELECTRICAL SWITCHES: CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHT AND RECEPTACLE OUTLETS, APPLIANCES OR COOLING, HEATING AND VENTILATING EQUIPMENT, SHALL BE LOCATED NO MORE THAN 48 INCHES MEASURED FROM THE TOP OF THE OUTLET BOX NOR LESS THAN 15 INCHES MEASURED FROM THE BOTTOM OF THE OUTLET BOX TO THE LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM. [CBC 11B-308.1.1]

ELECTRICAL RECEPTACLE OUTLETS: 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 OR RECEPTACLE HOUSING NOR LESS THAN 15 INCHES MEASURED FROM THE BOTTOM OF THE RECEPTACLE OUTLET BOX OR RECEPTACLE HOUSING TO THE LEVEL OF THE FINISH FLOOR OR WORKING PLATFORM [CBC 11B-308.1.2]

BEFORE ROUGH-IN, VERIFY ALL MOUNTING HEIGHTS AND EXACT LOCATIONS FOR ALL EQUIPMENT ELECTRICAL CONNECTIONS, STUB-UPS, RECEPTACLES, OUTLETS, ETC. WITH ARCHITECT OR OWNER. PLACE DEVICES LOCATED ABOVE COUNTERS, SHELVING, ETC. AND IN BATHROOMS SO AS NOT TO CONFLICT WITH EDGES OF WAINSCOTING, COUNTER SPLASH, SHELVING, ETC. ARCHITECTURAL SHEETS SHALL GOVERN.

LABEL PANELS, CABINETS, BACKBOARDS, MAIN DEVICES, SAFETY SWITCHES, CONTACTORS AND OTHER SPECIFICALLY DESIGNATED EQUIPMENT SHOWN ON PLANS. USE ENGRAVED LAMINATED PLASTIC NAMEPLATES ATTACHED BY SCREWS OR RIVETS. FOR FEEDERS, NEATLY AND INDELIBLY LABEL CONDUIT DESTINATIONS ON BOTH VISIBLE ENDS OF CONDUIT RUNS WHERE CONDUITS TERMINATE AT DESIGNATED ENCLOSURES, STRUCTURES OR EQUIPMENT (INCLUDING PULL AND SPLICE BOXES).

6. MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A 1.26 AND ASCE 7-16 CHAPTERS 13. 26 & 30:

A. ALL PERMANENT EQUIPMENT AND COMPONENTS.

TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. 'PERMANENTLY ATTACHED' SHALL INCLUDE ALL ELECTRICAL CONNECTION EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.

TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING 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 TRANSVERSE AND LONGITUDINAL

COMPONENTS WEIGHTING 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.

COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN 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 ABOVE REQUIREMENTS.

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 ACSE 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 SYSTEMS ARE NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., OSHPD, OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE SHALL BE ON THE JOBSITE PRIOR TO START OF 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 SHALL BE AS DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

PROJECT TRACKING #: 03-123842

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MOUNTING HEIGHT: (WHERE NON-STANDARD) W - 48" ABOVE FINISHED FLOOR (IF APPLICABLE M - ABOVE COUNTER TOP (COORDINATION REQUIRED) SEE LIGHTING CONTROL DETAIL FOR ADDITIONAL INFORMATION TV - MOUNT AT TV HEIGHT (COORDINATION REQUIRED) CLG - CEILING MOUNT BRACKETS ('[]') DENOTE EXISTING CIRCUIT **WEATHER PROOF, PROVIDE WHILE IN USE COVER GFI / G - **GROUND FAULT CIRCUIT INTERRUPTED IG - ISOLATION GROUND **GWS - GANG WITH SWITCH**

PROVIDE ALL BRANCH CIRCUIT WIRING FROM DEVICES TO PANEL(S) PER DESIGNATIONS/CIRCUIT NUMBERS.

• CONDUIT STUB (W/MARKER)

── VERTICAL CONDUIT RUN

↓ FLEXIBLE CONNECTION

--- SURFACEMOUNT RACEWAY

INDICATES LINE CONTINUES

→ CONDUIT SEAL

-LV LOW VOLTAGE

೨೦ CORD W/PLUG

X = UNIT NUMBER

3103

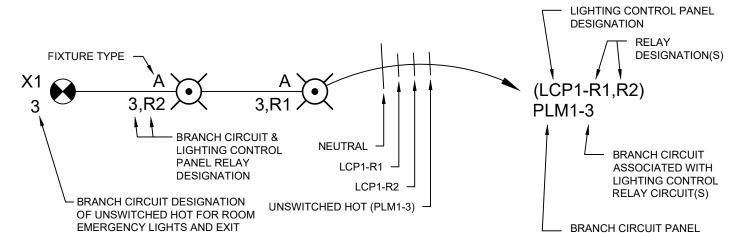
EACH BRANCH CIRCUIT SHALL HAVE A SEPARATE NEUTRAL AS INDICATED ON PANEL SCHEDULES.

HOME RUN CONDUITS SHALL BE 3/4"C, MAX OF (3) BRANCH CIRCUITS PER CONDUIT.

INCREASE HOME RUN CONDUIT SIZE TO 1"C FOR (4) BRANCH CIRCUITS OR MORE.

- (**) DENOTES SPECIAL DEVICE/NAMEPLATE REQUIREMENTS.

TYPICAL LIGHTING CONTROL PANEL CIRCUIT CONVENTION



BRANCH CIRCUIT QUANTITIES & DESIGNATIONS

NOTE: THE INTENT OF THE DRAWINGS IS TO SHOW FIXTURE / DEVICE LOCATIONS AND PANEL DESIGNATIONS. ALL BRANCH CIRCUIT WIRING, MEETING THE CRITERIA NOTED ABOVE, WILL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. LIGHTING AND POWER PLANS SHOW AN ABOVE CEILING JUNCTION BOX / HOME RUN WITH CIRCUIT NUMBERS BY FIXTURES / DEVICES. PROVIDE ALL BRANCH CIRCUITING AS REQUIRED FOR A COMPLETE INSTALLATION. DOCUMENT ALL BRANCH CIRCUITING ON AS-BUILT DRAWINGS ACCURATELY REFLECTING THE INSTALLATION.

CIRCUITING LEGEND

FIRE ALARM

FIRE ALARM CONTROL PANEL

FIRE ALARM TERMINAL

NOTE: SEE PLANS FOR RELAY, LIGHTING CONTROL CIRCUIT, AND

☐ RECESSED WALLMOUNT

EXIT LIGHT- CEILING

FIXTURE TYPE

LETTER ADJACENT INDICATES

(ARROW INDICATES DIRECTION)

─ ─ LED COVE LIGHT PER FIXTURE SCHEDULE

POWER PLAN

☐ WALLPACK

EXIT LIGHT- WALL

☐ REFERENCE NOTES

- 1. EXISTING DISTRIBUTION SWITCHBOARD "DSCH" (800A, 277/480V, 3Ø, 4W).
- 2. EXISTING DISTRIBUTION SWITCHBOARD "DSCL" (800A, 120/208V, 3Ø, 4W).
- 3. EXISTING ELECTRICAL PANEL TO REMAIN. SEE PANEL SCHEDULE ON SHEET E-0.02 FOR NEW LOADS.
- 4. EXISTING ELECTRICAL PANEL TO REMAIN. NO NEW LOADS, SHOWN FOR REFERENCE ONLY.

SINGLE LINE DIAGRAM NOTES

- A. ALL CONDUCTORS SHALL BE COPPER WITH TYPE [THHN/THWN] INSULATION UNLESS OTHERWISE NOTED.
- B. ALL SWITCHES, CIRCUIT BREAKERS AND OTHER EQUIPMENT, AS SPECIFIED, SHALL HAVE TERMINATION PROVISIONS LISTED AND IDENTIFIED FOR USE WITH 75 DEG. CONDUCTORS, AND ALL FEEDER CONDUCTORS, AND CONDUITS, ARE SIZE BASED ON USE OF 75 DEG. C COPPER WIRES TYPE THWN/THHN.
- C. ALL EQUIPMENT SHALL HAVE AN APPROVED TESTING LABORATORY LABEL ATTACHED [UL, CSA, ETC.] (CEC 110-2).
- D. ALL BOXES AND ENCLOSURES (INCLUDING TRANSFER SWITCHES, GENERATORS, AND POWER PANELS) FOR EMERGENCY CIRCUITS SHALL BE PERMANENTLY MARKED SO THEY WILL BE READILY IDENTIFIED AS A COMPONENT OF AN EMERGENCY CIRCUIT OR SYSTEM, PER NEC 700-9(A).
- E. REFER TO PANEL SCHEDULES FOR INDIVIDUAL BRANCH CIRCUIT VOLTAGE DROP AND/OR SINGLE LINE DIAGRAM FOR FEEDER VOLTAGE DROP CALCULATIONS.
- F. BRANCH CIRCUIT/FEEDER DISTANCE IS SHOWN FOR REFERENCE ONLY AS THE BASIS OF VOLTAGE DROP CALCULATIONS. CONDUCTOR DISTANCE AS INDICATED SHALL NOT BE USED FOR BIDDING/CONSTRUCTION PURPOSES. SHOULD THE FEEDER DISTANCE EXCEED THE LENGTH NOTED PER INSTALLATION CONDITIONS, NOTIFY THE ENGINEER OF RECORD. TYPICAL.

PARTIAL SINGLE LINE DIAGRAM

		s	RATING: MAIN: PACES: RATING:	225	120/208V, 3PH, 4W MAIN BREAKER FULL SIZE BOLT-ON CB SPACES					E) PANE)	1			FLUSH MOUNT, NEWA 1 LOCATION: ROOM 'LA9B' WITH EQUIPMENT GND BUS					
СКТ	DIST	1	LOAD		KAIC PANEL			COND	PHASE	NNECTED PHASE	PHASE		1				LOAD		DIST	СКТ
%VD		NOTES		СКТ	DESCRIPTION		POLES		A 360	В	С	SIZE	POLES		DESCRIPTION	CKT	TYPE	NOTES	(FT)	%VD
0.54%	55	3	R		LA-7 REC CEILING EAST	20	1	12		360	Ī		1	20	LA-7 COMP. POWER POLES	2		2		
0.54%	55	3	R	3	LA-7 REC CEILING EAST	20	1	12		960	360	12	1	20	F-1	4	M	3	75	1.98%
0.54%	55	3	R	5	LA-7 REC CEILING EAST	20	1	12		-	300		1	20	LA-7 COMP. POWER POLES	6		2		
		2		7	MIS. RM. L.A. 7 EAST	20	1						1	20	MIS. RM. L.A. 7 EAST	8		2		
		2		9	MIS. RM. L.A. 7 EAST	20	1						1	20	MIS. RM. L.A. 7 EAST	10		2		
		2		11	MIS. RM. L.A. 7 EAST	20	1						1	20	MIS. RM. L.A. 7 EAST	12		2		
0.79%	80	3	R	13	LA-7 REC CEILING WEST	20	1	12	360 120]		12	1	20	HARDNESS TESTER	14	R	3	60	0.20%
0.79%	80	3	R	15	LA-7 REC CEILING WEST	20	1	12		360			1	20	LA-7 COMP. POWER POLES	16		2		
0.79%	80	3	R	17	LA-7 REC CEILING WEST	20	1	12			360		1	20	REC. RM. L.A. 7 EAST	18		2		
0.83%	50	3	R	19	LA -7 REC WALL SOUTH	20	1	12	600				1	20	LA 7 WEST WALL NEAR SINK	20		2		
0.32%	32	3	R	21	LA -7 REC WALL SOUTH	20	1	12		360			1	20	LA-7 COMP. POWER POLES	22		2		
0.50%	76	3	R	23	LA -7 REC CEILING NORTH	20	1	12			240	-	1	20	LA-7 COMP. POWER POLES	24		2		
		2		25	MIS. RM. L.A. 7 WEST	20	1						1	20	MIS. RM. L.A. 7 WEST	26		2		
		2		27	MIS. RM. L.A. 7 WEST	20	1						1	20	MIS. RM. L.A. 7 WEST	28		2		
		2		29	MIS. RM. L.A. 7 WEST	20	1						1	20	MIS. RM. L.A. 7 WEST	30		2		
		2		31	MIS. RM. L.A. 7 WEST	20	1						1	20	MIS. RM. L.A. 7 WEST	32		2		
		2		33	MIS. RM. L.A. 7 WEST	20	1						1	20	MIS. RM. L.A. 7 WEST CAPPED OFF FOR MONUMENT	34		2		
		2		35	MIS. RM. L.A. 7 WEST	20	1						1	20	MIS. RM. L.A. 7 WEST CAPPED OFF FOR MONUMENT	36		2		
0.58%	88	4	R	37	LA -7 REC WALL WEST	20	1	12	240]			1	20	REC. RM. L.A. 7 WEST			2		
0.26%	40	4	R	39	LA-7 REC WALL EAST	20	1	12		240			1	20	REC. RM. L.A. 7 WEST	40		2		
		2		41	CAPPER OFF FLOOR MONMENT	20	1					-	1	20	REC. RM. L.A. 7 WEST	42		2		
		L NOTES		ED LOA	ND ONLY.	1		CON: 25%: SUB: TOT: AMPS	1680 0 0 1680 14	0 0 2280	0 0 960			R L M K N	TY PE LEGEND RECEPTACLE LIGHTING (125% OF CONNECTED MECHANICAL KITCHEN APPLIANCE NON-CONTINUOUS MISC. CONTINUOUS MISC. (125% OF CO			,	15 2)	

PANEL SCHEDULE NOTES

- 1. LONG CONTINUOUS LOAD (LCL). ADDITIONAL 25% ADDED AT BOTTOM OF PANEL. FEEDER CALCULATED AT 125% OF TOTAL CONNECTED LOAD.
- 2. EXISTING BRANCH CIRCUIT TO REMAIN. NO CHANGE TO CONNECTED LOAD.
- 3. EXISTING BRANCH CIRCUIT IS NOT IN USE ABOVE ACCESSIBLE CEILING SPACE IN ROOM 'LA7'. REMOVE CONDUCTORS BACK TO PANEL AND INSTALL NEW CONDUCTORS TO DEDICATED EQUIPMENT AS SHOWN ON THE FLOOR PLANS. FIELD VERIFY EXACT LOCATION OF EXISTING BRANCH CIRCUIT LOCATIONS.
- 4. UTILIZE EXISTING SPARE CIRCUIT BREAKER FOR NEW LOAD AS SHOWN.
- 5. PROVIDE RED HANDLE AND LOCKING DEVICE ON THIS CIRCUIT BREAKER TO MEET 2016 NFPA 72, SECTION 10.6.5.2, AND 2016 CFC/CBC SECTION 907 REQUIREMENTS.

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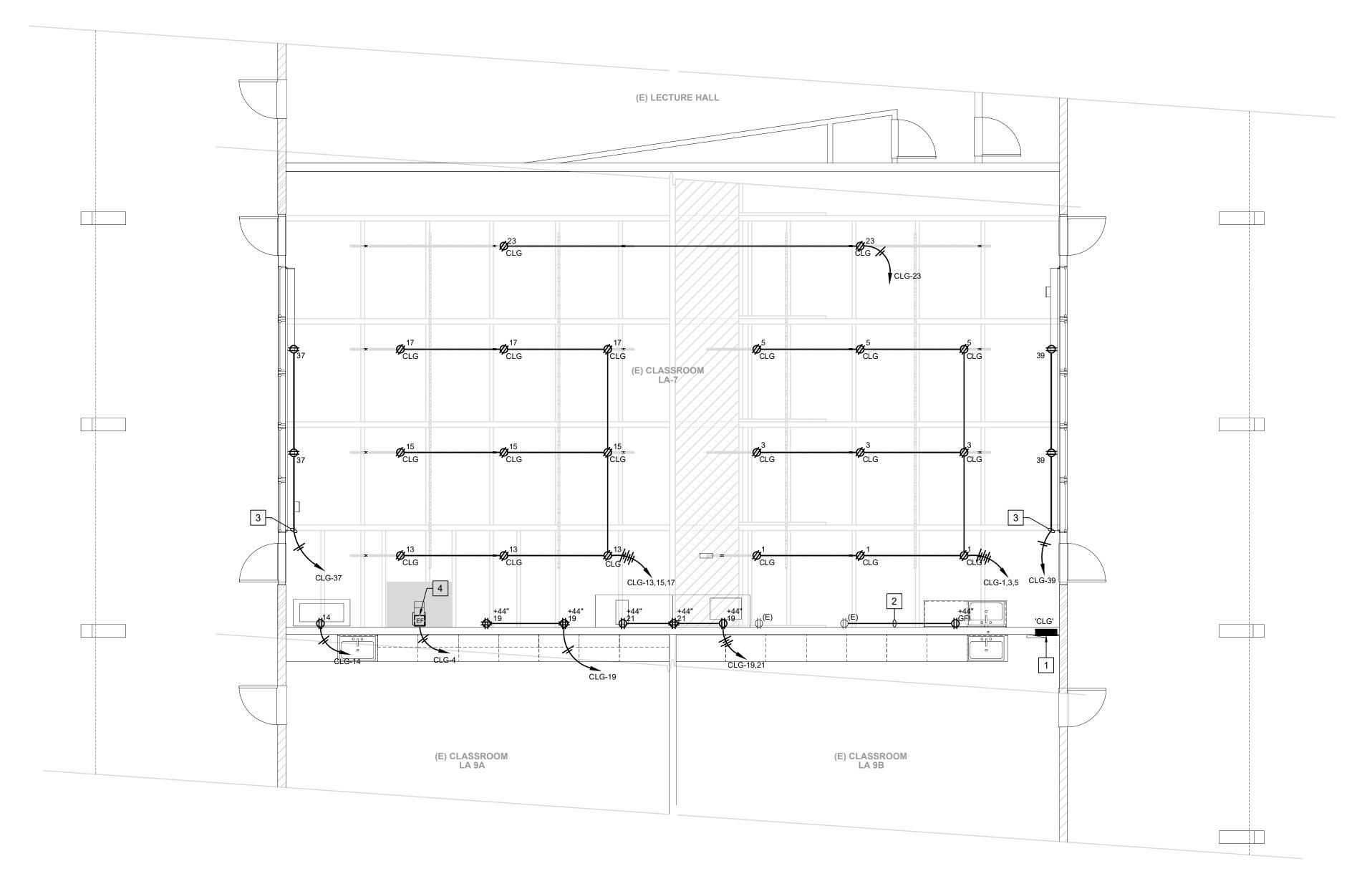
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□ REFERENCE NOTES

- 2. INTERCEPT AND EXTEND EXISTING BRANCH CIRCUIT FROM EXISTING RECEPTACLE TO NEW GFI
- 3. SURFACE MOUNT CONDUIT FROM CEILING DOWN TO FURRED PARTIAL HEIGHT WALL. REFER TO
- 4. EXHAUST FAN ON ROOF. FIELD COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.

- A. FUSING: ALL FUSIBLE SAFETY DISCONNECT SWITCHES SHALL BE PROVIDED WITH DUAL-ELEMENT TIME DELAY TYPE FUSES SIZED AND RATED PER EQUIPMENT MANUFACTURERS' RECOMMENDATIONS. VERIFY WITH EQUIPMENT NAMEPLATE BEFORE INSTALLATION.
- FIELD VERIFIED DURING ROUGH-IN WITH ARCHITECTURAL ELEVATIONS, CASEWORK SHOP DRAWINGS, FURNITURE, ETC. AND SHALL BE COORDINATED WITH OTHER TRADES TO AVOID CONFLICT WITH OTHER EQUIPMENT.
- C. CONTRACTOR TO VERIFY ALL FIRE RATED ASSEMBLIES WITH ARCHITECTURAL SHEETS.



1. (E) ELECTRICAL PANEL TO REMAIN. SEE PANEL SCHEDULE FOR NEW LOADS.

ARCHITECTURAL SHEETS.



B. DEVICE LOCATIONS SHOWN ARE SCHEMATIC AND APPROXIMATE. EXACT LOCATIONS SHALL BE

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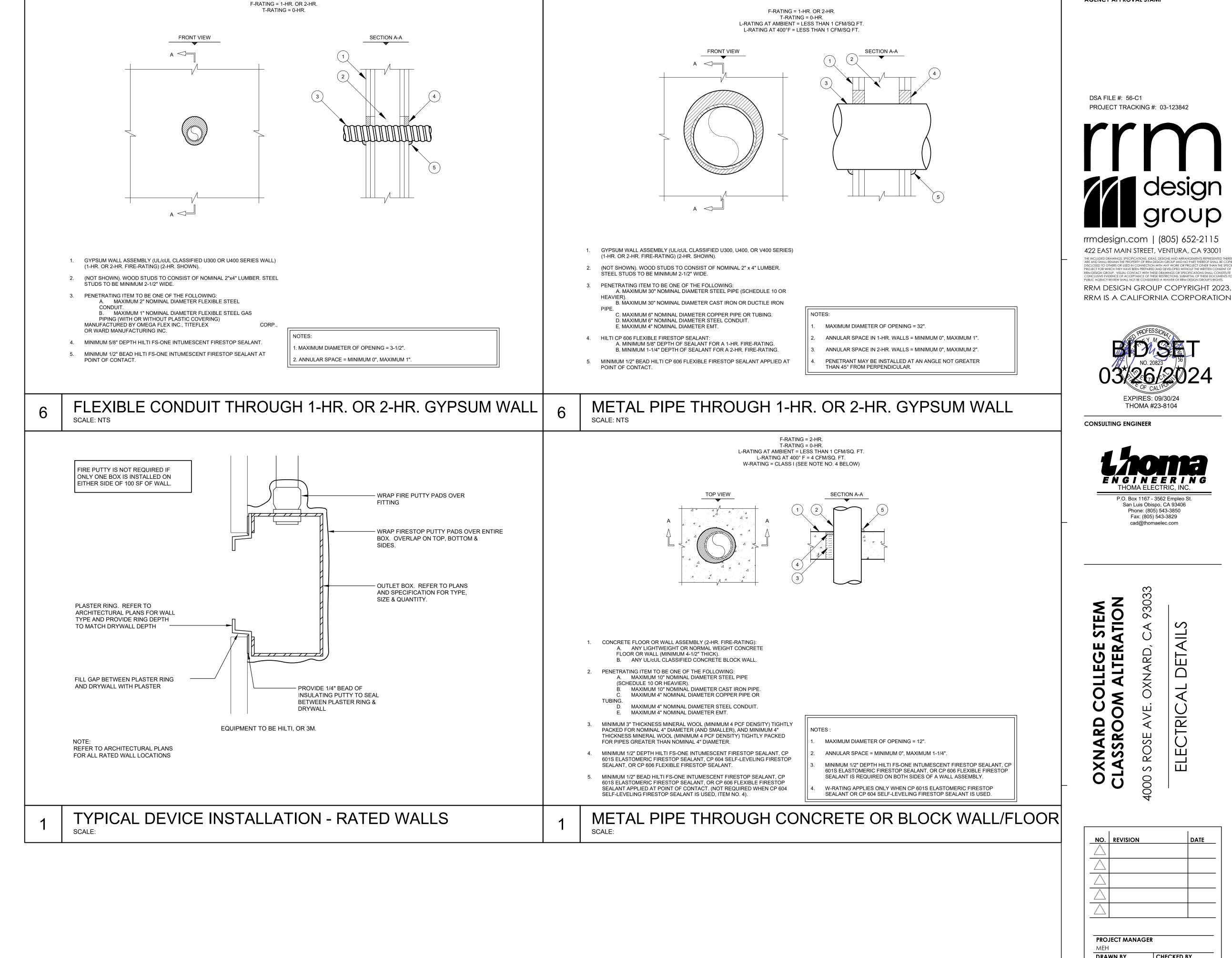
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POWER FLOOR PLAN



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