# Solano CCD BLDG 300 Modernization

4000 SUISUN VALLEY RD, FAIRFIELD, CA 94534

# SOLANO COMMUNITY COLLEGE DISTRICT

DSA SUBMITTAL

**DSA FILE NUMBER DSA APP. NUMBER** 

**EXTERIOR DETAILS** 

INTERIOR DETAILS

INTERIOR ELEVATIONS

MECHANICAL DETAILS

MECHANICAL SCHEDULES

MECHANICAL CONTROLS

MECHANICAL CONTROLS

MECHANICAL CONTROLS

ELECTRICAL TITLE 24

ELECTRICAL DETAILS

FIRE ALARM SITE PLAN

FIRE ALARM DETAILS

FIRE ALARM LEGEND & NOTES

FIRE ALARM ROOF PLAN - DEMO

FIRE ALARM ROOF PLAN - NEW

FIRE ALARM CALCULATIONS

FIRE ALARM RISER DIAGRAM

A12.01

MI1.02

MI1 03

PD2.01

E0.01

E2.01

E5.01

**ELECTRICAL** 

FIRE ALARM

FAD2.02

FA5.01

FA6.01

SHEET COUNT

OPENING SCHEDULE & TYPES

FINISH SCHEDULE, LEGEND & DETAILS

MECHANICAL FLOOR PLAN LEVEL 1 - DEMO

MECHANICAL FLOOR PLAN LEVEL 1 - NEW

MECHANICAL GENERAL NOTES, SYMBOLS, & ABBREVIATIONS

PLUMBING GENERAL NOTES, SYMBOLS, & ABBREVIATIONS

ELECTRICAL GENERAL NOTES, SYMBOLS, & ABBREVIATIONS

FIRE ALARM GENERAL NOTES, SYMBOLS, & ABBREVIATIONS

PLUMBING PARTIAL FLOOR PLAN LEVEL1 - NEW

ELECTRICAL FLOOR PLAN LEVEL 1 - DEMO

FIRE ALARM FLOOR PLAN LEVELS 1 & 2 - DEMO

FIRE ALARM FLOOR PLAN LEVEL 1 & 2 - NEW

ELECTRICAL FLOOR PLAN LEVEL 1 - NEW

PLUMBING PARTIAL FLOOR PLANS LEVEL 1 - DEMO

CASEWORK SCHEDULE & DETAILS

MECHANICAL ROOF PLAN - NEW

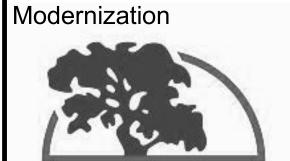
**DRAWING INDEX** 

02-120607



# laedis

Solano CCD BLDG 300



SOLANO COMMUNITY COLLEGE DISTRICT

CONSULTANT

DSA FILE NUMBER 02-120607

REVISIONS

**MILESTONES** 

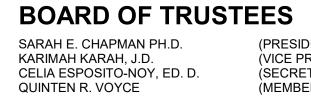
08.12.2022 09.05.2022 10.11.2022 DSA SUB 10.28.2022

02.21.2023

DSA BACKCHECK

TITLE SHEET

SHEET#



MICHAEL A. MARTIN ROSEMARY THURSTON A. MARIE YOUNG (STUDENT TRUSTEE

### **CONSULTANTS**

DR. CELIA ESPOSITO-NOY

MECHANICAL-ELECTRICAL-PLUMBING

305 S 11TH STREET (408) 282-1500

**ABBREVIATIONS** 

ABOVE FINISHED FLOC

ACCESS PANEL

**CATCH BASIN** 

CORNER GUARD

CONTROL JOINT

CONCRETE MASONRY UNIT

CAST IRON

CAULKING

CLEANOUT

CONCRETE

CONSTRUCTION

CONCRETE PIPE

COUNTER SUNK

DISABLED ACCESS

DRINKING FOUNTAIN

COLD WATER

DOUGLAS FIR

DIMENSION

DOWNSPOU'

EXPANSION JOIN

**EQUIPMENT** 

EACH WAY

EXPANSION

**EXTERIOR** 

FIRE ALARM

FLOOR DRAIN

FIRE EXTINGUISHER

FIRE HOSE CABINET

FACE OF CONCRETE

FACE OF MASONRY

FACE OF FINISH

FACE OF STUD

FINISH SLAB

**FURRING** 

FOOT OR FFF

**GALVANIZED** 

HOSE BIBE

HOLLOW CORE

HOLLOW META

HORIZONTAL

KII N DRIFT

HARDWOOD

GLUE-LAMINATED

FIRE EXTINGUISHER CABINET

FLAT HEAD WOOD SCREW

FLAT HEAD SHEET METAL SCREW

FOUNDATION

FL. or FLR

ELECTRIC or ELECTRICAL

**ENCLOSE and/or ENCLOSURE** 

ELECTRIC WATER COOLER

DRAWING

**EXISTINO** 

CONTINUOUS

CONTRACTOR

LOCKER

MACHINE BOLT

MANUFACTURES

MISCELL ANEOUS

MACHINE SCREW

MULLION

NOMINAL NOT TO SCALE

OBSCURE

O.F.C.I.

P. LAM PLAS. PLYWD.

PTN.

REINF. REQ'D R.H.M.S.

STRUCT.

T.& G.

THRES.

U.O.N.

VERT.

V.G. V.I.F. V.T.R.

S.T.S.M.S.

ON CENTER

OPPOSITE

PLYWOOD

PAINTED

PARTITION

QUARRY TIL

RIM ELEVATION

REFERENCE

REINFORCING

ROUGH OPENING

RAIN WATER LEADER

SEE CIVIL DRAWINGS

SHEATHING

SHEET METAL

SHUT OFF VALVE

**SPECIFICATIONS** 

STAINLESS STEEL

**TONGUE & GROOVE** 

TOP OF STEEL or SLAB

VITRIFIED CLAY PIPE

VERTICAL GRAIN

VERIFY IN FIELD

WATER CLOSET

WATER HEATER WHERE OCCURS

WORKING POINT

WATER RESISTANT

VINYL COMPOSITION TIL

VENT THROUGH ROOF

VINYL WALL COVERING

WATERPROOF / WEATHERPROOF

UNLESS OTHERWISE NOTED

**STANDARD** 

STRUCTURAL

TELEPHONE

**TERRAZZO** 

**THRESHOLD** 

TOP OF BEAM

VERTICAL

OCCUPANT(CY)

OPPOSITE HAND

PROPERTY LINE

PLASTIC LAMINATE

OUTSIDE FACE OF STUD

POWDER ACTUATED FASTENER

REINFORCED CONCRETE PIPE

ROUND HEAD METAL SCREW

ROUND HEAD WOOD SCREW

SEE ARCHITECTURAL DRAWINGS

SEE ELECTRICAL DRAWINGS

SEE LANDSCAPE DRAWINGS

SEE MECHANICAL DRAWINGS

SEE PLUMBING DRAWINGS

SEE STRUCTURAL DRAWINGS

SELF TAPPING SHEET METAL SCREW

SHEET METAL SCREW

OVERFLOW DRAIN and/or OUTSIDE DIAMETER

OWNER FURNISHED and CONTRACTOR INSTALLED

### STRUCTURAL

RESPONSE STRUCTURAL ENGINEERS 5441 FAIR OAKS BLVD. SUITE G2 (916) 680-9922

### **ADMINISTRATIVE REQUIREMENTS**

ALL TESTS TO CONFORM TO THE REQUIREMENTS OF SECTION 4-335.

- A COPY OF PART 1 AND 2 CCR SHALL BE KEPT ON SITE AT ALL TIMES. ALL CONSTRUCTION CHANGE DOCUMENTS AND ADDENDA TO BE SIGNED BY THE ARCHITECT, THE OWNER, AND APPROVED BY DSA. CONSTRUCTION CHANGE DOCUMENTS ARE NOT VALID UNTIL APPROVED BY DSA PER SECTION 4-338.
- ALL WORK SHALL CONFORM TO 2019 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR' TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-335. DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TO PLACEMENT OF
- A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.

CONTRACTOR, INSPECTOR, ARCHITECT, AND ENGINEERS SHALL SUBMIT VERIFIED REPORTS (FORM

6) IN ACCORDANCE WITH SECTION 4-336 AND 4-343. THE ARCHITECT AND THE STRUCTURAL ENGINEERS SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH SECTIONS 4-333(a) AND 4-341. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL

SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH 4-334.

- SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA. LIST DEFERRED SUBMITTAL ITEMS FOR THIS CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE
- ARCHITECT. AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES SUBSTITUTIONS THAT AFFECT ACCESSIBLITY, FIRE-LIFE SAFETY, AND STRUCTURAL SAFETY PORTIONS OF THE WORK SHALL BE SUBMITTED TO DSA FOR REVIEW AND APPROVAL
- THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH SECTION 4-343. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION. REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION
- 4-317(C), PART 1, TITLE 24, CCR). 17. DSA IS NOT SUBJECT TO ARBITRATION

### **GENERAL NOTES**

ITEMS OF A CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, OR ELECTRICAL NATURE MAY NOT APPEAR ON THE ARCHITECTURAL DRAWINGS. SEE APPROPRIATE DRAWINGS FOR THESE ITEMS. DIVISION OF THE STATE ARCHITECT (DSA) APPROVAL OF THIS APPLICATION DOES NOT INCLUDE

ALL DEFERRED APPROVAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT AND THE APPROPRIATE

CONSULTING ENGINEER FOR REVIEW & APPROVAL PRIOR TO SUBMITTING TO DSA FOR CHECKING &

- THE FIRE SUPPRESSION SYSTEM, I.E. AUTOMATIC SPRINKLERS, HOOD-DUCT SYSTEM, WET STANDPIPES, AND HYDRANTS SHALL NOT BE INSTALLED UNTIL SHOP DRAWINGS HAVE BEEN APPROVED BY THE FIRE & LIFE SAFETY SECTION AT DSA.
- THE FIRE PROTECTION SIGNALING SYSTEM SHALL NOT BE INSTALLED UNTIL SHOP DRAWINGS. INCLUDING FIRE MARSHAL LISTING NUMBER FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN SUBMITTED AND APPROVED BY THE STATE FIRE MARSHAL AT DSA. FOOD HANDLING FACILITIES SHALL COMPLY WITH ALL LOCAL HEALTH DEPARTMENT REQUIREMENTS & CALIFORNIA UNIFORM RETAIL FOOD FACILITIES LAW.
- PRIOR TO BIDDING, THE GENERAL CONTRACTOR SHALL VISIT & INSPECT THE SITE TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS AFFECTING THE NEW WORK. THE GENERAL CONTRACTOR SHALL NOT DISPUTE, COMPLAIN, OR ASSERT THAT THERE IS ANY MISUNDERSTANDING IN REGARDS TO LOCATION, EXTENT, NATURE, OR AMOUNT OF WORK TO BE PERFORMED UNDER THIS CONTRACT DUE TO THE CONTRACTOR'S FAILURE TO INSPECT THE SITE AND/OR FAILURE TO INSPECT THE CONTRACT DOCUMENTS. THE GENERAL CONTRACTOR & SUBCONTRACTORS ARE RESPONSIBLE FOR LOCATING & VERIFYING ALL EXISTING UNDERGROUND UTILITIES IN ALL AREAS OF THE NEW WORK PRIOR TO COMMENCEMENT OF EXCAVATION. EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE
- APPROXIMATE ROUTING LOCATIONS AS BEST DETERMINED FROM EXISTING DRAWINGS & BY THE SCHOOL DISTRICT, BUT SHOULD NOT BE CONSTRUED TO REPRESENT ALL EXISTING UTILITIES. ANY ALTERATIONS OF EXISTING FACILITIES TO ACCOMMODATE THE INSTALLATION OF NEW WORK SHALL BE REVIEWED BY THE ARCHITECT PRIOR TO COMMENCEMENT OF WORK. ALL EXISTING FINISHES OR MATERIALS DAMAGED OR DEMOLISHED DUE TO NEW CONSTRUCTION
- CONTRACTOR SHALL COORDINATE ALL WORK TO AVOID DISRUPTION OF STUDENTS OR TEACHERS DURING SCHOOL HOURS. ANY DISRUPTION OF POWER, TELEPHONE, OR HVAC SYSTEMS MUST BE COORDINATED AND APPROVED BY THE DISTRICT REPRESENTATIVE PRIOR TO ANY WORK

SHALL BE RESTORED TO THEIR ORIGINAL STATE OR REPLACED WITH NEW MATERIALS FINISHED TO

COMPLIANCE WITH CFC CHAPTER 33 (FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION) AND CBC CHAPTER 33 (SAFEGUARDS DURING CONSTRUCTION) WILL BE ENFORCED. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

**APPLICABLE CODES** 

- 2022 BUILDING STANDARDS ADMINISTRATION CODE (PART 1, TITLE 24, CCR) 2019 CALIFORNIA BUILDING CODE (PART 2, VOLUMES 1 AND 2, TITLE 24, CCR
- 2019 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR 2019 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CCR)
- 2019 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CCR)
- 2019 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR) 2019 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)

- TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

### **REFERENCE STANDARDS**

PARTIAL LIST OF APPLICABLE STANDARDS (AS REFERENCED IN 2019 CBC - CHAPTER 35 & CFC):

PARTIAL LIST OF APPLICABLE STANDARDS (AS REFERENCED IN 2019 CBC - CHAPTER 35 & CFC):

ADA STANDARDS FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 36) 2010 EDITION ASME 17.1 2016 SAFETY CODE FOR ELEVATORS AND ESCALATORS 2019 EDITION (ASME A17.1-2016/CSA B44-16) STANDARD FOR INSTALLATION OF SPRINKLER SYSTEMS 2016 EDITION STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS 2017 EDITION STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION 2016 EDITION STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION 2018 EDITION STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES 2016 EDITION NATIONAL FIRE ALARM AND SIGNALING CODE 2016 EDITION

2016 EDITION STANDARD FOR FIRE DOOR AND OTHER OPENING PROTECTIVES STANDARD FOR EMERGENCY AND STANDBY POWER SYSTEMS 2016 EDITION STANDARD ON CLEAN AGENT FIRE EXTINGUISHER SYSTEMS 2015 EDITION

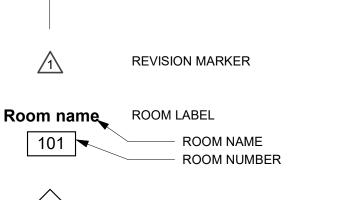
REFER TO ARCHITECTURAL FLOR PLAN SHEETS AND CONSULTANT DRAWINGS FOR ADDITIONAL SYMBOLS AND REFERENCE DESIGNATIONS

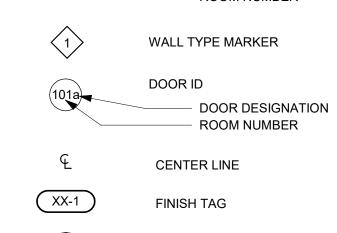
BLEACHERS, FOLDING AND TELESCOPIC SEATING AND GRANDSTANDS

DIMENSION REFERENCE CENTER LINE OF

TAGS AND MARKERS PLAN REFERECE GRID

STRUCTURAL GRID LINE





FLOOR FINISH TAG XX.XXX KEYNOTE ITEMS TO BE PROVIDED

NEW, UON.

### SAND, GROUT, OR PLASTER WOOD, CONTINUOUS MEMBER WOOD, BLOCKING WOOD, FINISH GRADE

**CABINET TYPES** - PREFINISHED CABINETS - SCIENCE CABINETS CABINET TYPE REQUIREMENTS.

> SECTION NUMBER REFERENCE LABEL WHERE OCCURES SHEET NUMBER

# MATERIALS REFERENCE

2017 EDITION

GRAVEL / ROCK CONCRETE CONCRETE BLOCK (CMU)

PM - PREFINISHED MOBILE CABINETS - PREFINISHED MOVEABLE CABINETS - PREFINISHED UTILITY CABINETS NOTE: REFER TO SPECIFICATIONS FOR SPECIFIC

SECTION REFERENCE

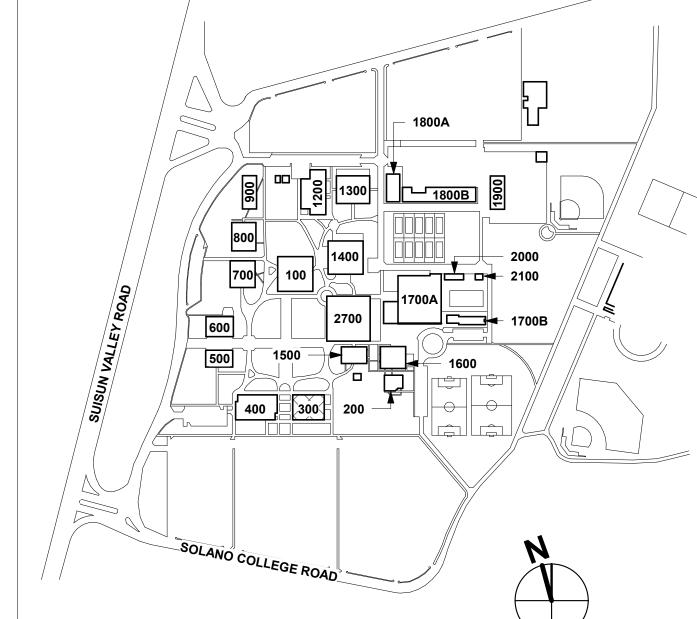
DETAIL REFERENCE REFERENCE LABEL WHERE OCCURES SHEET NUMBER

### **BUILDING KEY**

**SCOPE OF WORK** 

**DEFERRED SCOPE** 

**LOCATION MAP** 



BUILDINGS IN SCOPE

THE SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO; HVAC UPGRADES

WITHOUT REMOVAL OF EXISTING EQUIPEMENT.REMOVAL AND REPLACEMENT

TO THE CONTROLS AND VALVES AS WELL AS MOTORS AND COMPONENTS

OF EXISTING ROOFING, REMOVAL AND REPLACEMENT OF CEILING TILES,

RESTROOMS AND ADA UPGRADES ON PATH OF TRAVEL

These drawings, and/or specifications, and/or calculations for the items listed above have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by 1. design intent and appears to meet the appropriate requirements of Title 24.

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

2. coordination with my plans and specifications and is acceptable for

California Code of Regulations and the project specifications prepared by me.

JOE VELA PRINCIPAL IN CHARGE C-27833

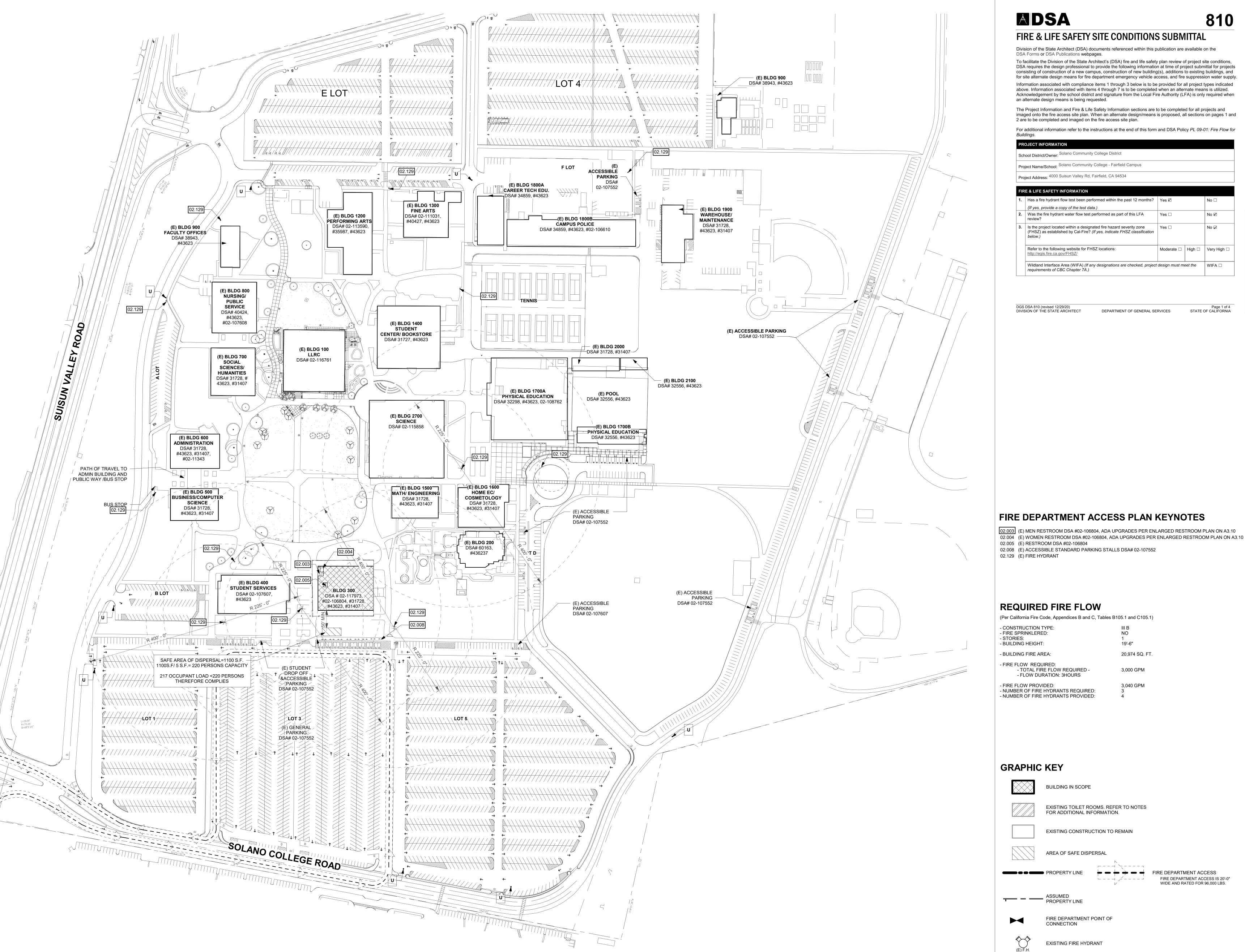
**CALIFORNIA LICENSE NUMBER** 

incorporation into the construction of this project.

10-28-22 DATE -11-30-23

02.21.2023 2022012

**EXPIRATION DATE** 





### FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the

DSA Forms or DSA Publications webpages. To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply. Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for

PROJECT INFORMATION School District/Owner: Solano Community College District Project Name/School: Solano Community College - Fairfield Campus Project Address: 4000 Suisun Valley Rd, Fairfield, CA 94534

FIR	E & LIFE SAFETY INFORMATION			
1.	Has a fire hydrant flow test been performed within the past 12 months?  (If yes, provide a copy of the test data.)	Yes ☑		No □
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes 🗆		No ☑
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.)	Yes □		No ☑
	Refer to the following website for FHSZ locations: http://egis.fire.ca.gov/FHSZ/	Moderate □	High □	Very High □
	Wildland Interface Area (WIFA) (If any designations are checked, project requirements of CBC Chapter 7A.)	design must m	eet the	WIFA 🗆

Page 1 of 4 STATE OF CALIFORNIA DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES

20,974 SQ. FT.

3,000 GPM

3,040 GPM

→ → → → → FIRE DEPARTMENT ACCESS

FIRE DEPARTMENT ACCESS IS 20'-0"

- TOTAL FIRE FLOW REQUIRED -

**BUILDING IN SCOPE** 

EXISTING TOILET ROOMS. REFER TO NOTES

FOR ADDITIONAL INFORMATION.

AREA OF SAFE DISPERSAL

FIRE DEPARTMENT POINT OF

EXISTING FIRE HYDRANT

EXISTING CONSTRUCTION TO REMAIN

- FLOW DURATION: 3HOURS

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 02/17/2023

# architects

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

PROJECT

Solano CCD BLDG 300 Modernization



COMMUNITY COLLEGE SOLANO COMMUNITY

COLLEGE DISTRICT CONSULTANT

DSA FILE NUMBER

02-120607

REVISIONS

MILESTONES

06.17.2022 08.12.2022 09.05.2022 50% CD 90% CD 10.11.2022 DSA SUB 10.28.2022

02.21.2023

DSA BACKCHECK

FIRE DEPARTMENT **ACCESS PLAN** 

DATE 02.21.2023 2022012

### BUILDING CODE ANALYSIS (PER 2019 C.B.C.)

### **BUILDING CONSTRUCTION TYPE**

TYPE IIIB REQ. FIRE RESISTANCE RATING (PER CBC TABLE 601)
PRIMARY STRUCTURAL FRAME 0 HR

EXTERIOR BEARING WALLS 2 HR
INTERIOR BEARING WALLS 0 HR
EXTERIOR NON-BEARING WALLS 0 HR
INTERIOR NON-BEARING WALLS 0 HR
FLOORS & FLOOR CEILINGS 0 HR
ROOFS & ROOF CEILINGS 0 HR

SPRINKLER SYSTEM

NOT SPRINKLERED

REQUIRED OCCUPANCY SEPARATION

(E) 1H SEPARATION TO BE MAINTAINED AT SCIENCE LECTURE HALL AND CENTRAL SUPPLY; SEE PLANS FOR WALL LOCATIONS.

### **BUILDING HEIGHT ANALYSIS**

PER SEC. 506.5.2, EACH STORY SHALL INDIVIDUALLY COMPLY WITH THE REQUIREMENTS.

BUILDING OCCUPANCY A-3, B, S-1

TOTAL HEIGHT: 19'-6", 1 STORY

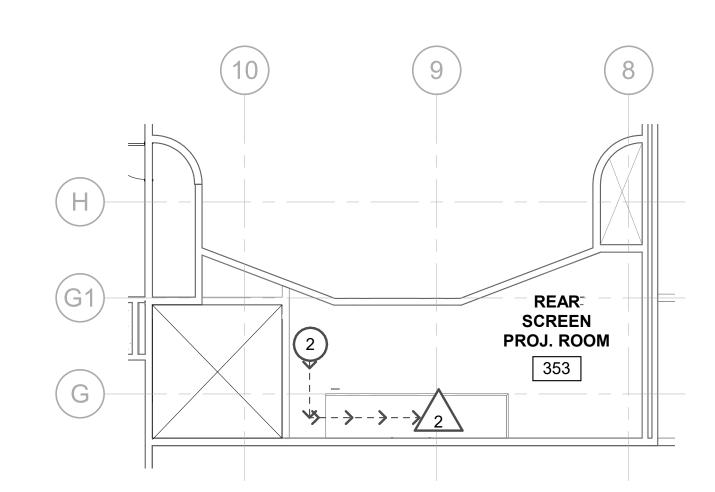
ALLOWABLE HEIGHT: 55'-0", 1 STORY

= 19'-6" < 55'-0" THEREFORE OK

### **BUILDING AREA ANALYSIS**

STORIES	OCCUPANCY	ACTUAL FLOOR AREA
LEVEL 0 FLOOR	A-3 LECTURE HALL	1,859 SF
	B LECTURE PREP	334 SF
FIRST FLOOR	B OFFICES, CLASSROOMS & PREP	18,062 SF
	S-1 STORAGE	347 SF
MEZZANINE	B MECHANICAL EQUIPMENT ROOM	372 SF
TOTAL OCCL	JPANCY AREA =	20,974 SF

\*NOTE: 'W' VALUE IS CALCULATED PER C.B.C. 506.3





### 1 FIRST FLOOR PLAN EXIT ANALYSIS SCALE: 1" = 10'-0"

EXIT WIDTH REQUIRED 0.2" X 38 =7.6"

MECHANICAL

**ROOM** 314

310

309

STORAGE

313

EXIT WIDTH REQUIRED 0.2" X 1 =0.2" -36" PROVIDED

EXIT WIDTH REQUIRED

0.2" X 37 = 7.4" 
36" PROVIDED

EXIT WIDTH REQUIRED 0.2" X 17 = 3.4" -36" PROVIDED 36" PROVIDED

CLOSET

EXIT WIDTH REQUIRED

0.3" X 20 = 6"

39" PROVIDED

**STORAGE** 

**ROOM** 

332

GEOLOGY

301

EXIT WIDTH REQUIRED 0.2" X 29 =5.8" 36" PROVIDED

EXIT WIDTH REQUIRED 0.2" X 9 =1.8" 36" PROVIDED SCIENCE -

### **EXITING ANALYSIS**

<b>FIRST</b>	FL	00	R

NUMBER	NAME	AREA	OCCUPANCY GROUP	OCCUPANCY LOAD FACTOR, SF/OCC.	OCCUPANT LOAD	EXIT WIDTH REQUIRED, (INCHES)	REQ. # OF EXITS	EXIT WIDTH PROVIDED, (INCHES)
301	GEOLOGY LAB	1289 SF	В	50	26	5.2	1	36
302	PHYSICS LAB	1289 SF	В	50	26	5.2	1	36
303	ORGANIC CHEMISTRY LAB	1571 SF	В	50	32	6.4	1	36
304	GRAPHICS SERVICE AREA	1559 SF	В	150	11	2.2	1	36
305	BOTANY LAB	1565 SF	В	50	32	6.4	1	36
306	ANATOMY LAB	1583 SF	В	50	32	6.4	1	36
307	MICROBIOLOGY LAB	1582 SF	В	50	32	6.4	1	36
308	SCIENCE LECTURE HALL	1846 SF	A	86 SEATS+ 1 INSTRUCTO 370SF @20 OCC. LOAD	OR + 106	21.2	2	36
309	LOBBY	597 SF	В	150	4	1.4	1	36
313	STORAGE	15 SF	S-1	300	1	0.2	1	32
314	MECHANICAL ROOM	95 SF	В	150	1	0.2	1	36
315	LECTURE PREP	293 SF	В	150	2	0.4	1	36
317	MICROBIOLOGY PREP	377 SF	В	150	3	0.6	1	36
320	JAN	81 SF	S-1	300	1	0.2	1	36
321	ANATOMY PREP	292 SF	В	150	2	0.4	1	36
322	BOTANY PREP	216 SF	В	150	2	0.4	1	36
323	INSTRUCTOR PREP	152 SF	В	150	2	0.4	1	36
324A	STAF COPY AREA	146 SF	В	150	1	0.2	1	36
324B	RECEIVING	107 SF	В	150	1	0.2	1	72
325	LOCKED EXAM PICK-UP	105 SF	В	150	1	0.2	1	36
326	CENTRAL SUPPLY	927 SF	В	150	7	1.4	1	72
327A	MAIL ROOM OFFICE	175 SF	В	150	2	0.4	1	36

MBER	NAME	AREA	OCCUPANCY GROUP	LOAD FACTOR, SF/OCC.	OCCUPANT LOAD	EXIT WIDTH REQUIRED, (INCHES)	REQ. # OF EXITS	EXIT WIDTH PROVIDED, (INCHES)
327B	MAIL PICK-UP	175 SF	В	150	2	0.4	1	36
328	GRAPHIC OFFICE	220 SF	В	150	2	0.4	1	36
329	GRAPHICS STORAGE	219 SF	S-1	300	1	0.2	1	36
330	STORAGE ROOM	232 SF	S-1	300	1	0.2	1	36
331	STORAGE ROOM	311 SF	S-1	300	2	0.4	1	36
332	STORAGE ROOM	311 SF	S-1	300	2	0.4	1	36
335	OFFICE	100 SF	В	150	1	0.2	1	36
336	OFFICE	74 SF	В	150	1	0.2	1	36
337	OFFICE	74 SF	В	150	1	0.2	1	36
338	OFFICE	74 SF	В	150	1	0.2	1	36
339	OFFICE	74 SF	В	150	1	0.2	1	36
340	OFFICE	74 SF	В	150	1	0.2	1	36
341	OFFICE	74 SF	В	150	1	0.2	1	36
342	OFFICE	71 SF	В	150	1	0.2	1	36
343	OFFICE	71 SF	В	150	1	0.2	1	36
344	OFFICE	71 SF	В	150	1	0.2	1	36
345	OFFICE	71 SF	В	150	1	0.2	1	36
346	OFFICE	71 SF	В	150	1	0.2	1	36
347	OFFICE	71 SF	В	150	1	0.2	1	36
348	OFFICE	71 SF	В	150	1	0.2	1	36
349	HALLWAY	321 SF	В	300	2	0.4	1	36
350	CLOSET	35 SF	S-1	300	1	0.2	1	36
351	CLOSET	26 SF	S-1	300	1	0.2	1	36
353	REAR SCREEN PROJ. ROOM	370 SF	S-1	300	2	0.2	1	36

OCCUPANCY

\*EGRESS WIDTH CALCULATED AS OCCUPANT LOAD x 0.2" FOR ALL ROOMS EXCEPT STAIRS, WHICH ARE CALCULATED AS OCCUPANT LOAD x 0.3", PER C.B.C. 1005.3.1, OR 48" CLEAR BETWEEN HANDRAILS PER C.B.C. 1007.3, WHICHEVER IS MORE STRINGENT.

36" PROVIDED

-MICROBIOLOGY-

**MICROBIOLOGY** 

CENTRAL

SUPPLY

STORAGE

\_ORGANIC\_

**CHEMISTRY** 

EXIT WIDTH REQUIRED 0.2" X 32 =6.4" -36" PROVIDED

-44" PROVIDED-

STORAGE

**ROOM** 

\_PHYSICS\_

EXIT WIDTH REQUIRED 0.2" X 31 =6.2" -36" PROVIDED

36" PROVIDED

321\_

MAIL ROOM

OFFICE

328

- 36" PROVIDED

323

LOCKED

EXAM

**GRAPHICS** 

**SERVICE** 

EXIT WIDTH REQUIRED 0.2" X 14 =2.8"

36" PROVIDED

RECEIVING

324B

EXIT WIDTH REQUIRED 0.2" X 8 =1.6'

STAF COPY

324A

72" PROVIDED

EXIT WIDTH REQUIRED 0.2" X 39 =7.8"

36" PROVIDED

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP: 02-120607 INC:

REVIEWED FOR
SS FLS ACS D

DATE: 02/17/2023

aedis

www.aedisarchitects.com 387 S. 1st Street, Suite 300 San Jose, CA 95113 tel: (408)-300-5160 fax: (408)-300-5123

PROJECT

Solano CCD BLDG 300 Modernization

SOI A NIO

COMMUNITY COLLEGE

SOLANO COMMUNITY COLLEGE DISTRICT

CONSULTANT

1. MINIMUM RECEIVERS TO BE PROVIDED SHALL BE NO LESS THAN TWO, PER CBC 2019 11B-219 2. PROVIDE ADQUATE ELECTRICAL OUTLETS AND OTHER SUPPLEMENTAL WIRING NECESSARRY TO SUPPORT A PORTABLE ASSISTIVE LISTENING SYSTEM PER CBC 2019-706

OCCUPANT LOAD

TOTAL OCCUPANT LOAD: NO. OF RECEIVERS: CALCULATION: RECEIVERS REQUIRED: RECEIVERS PROVIDED:

NUMBER

D: 106 4% 106 \* 0.04 = 4.2

PERMANENT ASSISTIVE LISTENING SYSTEM

**ROOM NAME** 

LECTURE HALL

106 \* 0.04 = 4.24 5 5, 2 OF THE 5 RECEIVERS TO BE HEARING AID COMPATIBLE

### GRAPHIC KEY

WALL TYPES:

EXISTING WOOD STUD WALL TO REMAIN

EXISTING CONCRETE WALL TO REMAIN

NEW STUD W.

BUILDINGS IN SCOPE

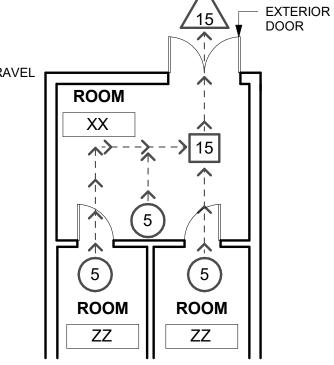
>--->--> EXIT ANALYSIS PATH OF TRAVEL

ROOM OCCUPANT LOAD

ROOM OCCUPANT LO

COMBINED
OCCUPANT LOAD

TOTAL FLOOR OCCUPANT LOAD



\* NO. C-27833 \*

NO. C-27833 \*

STATE

DSA FILE NUMBER

4

DSA FILE NUMBER 48-C1

APPL # 02-120607

REVISIONS

REVISIONS

No. Description Date

ESTONES

 SD
 06.17.2022

 DD
 08.12.2022

 50% CD
 09.05.2022

 90% CD
 10.11.2022

 DSA SUB
 10.28.2022

 DSA BACKCHECK
 02.21.2023

DSA BACKCHECK

EXIT ANALYSIS AND BUILDING CODE ANALYSIS

O2.21.2023
OB # 2022012

A0.04

**ADSA** 

403

2019 ENERGY CODE – CERTIFICATES OF COMPLIANCE CHECKLIST

### PRESCRIPTIVE METHOD (for Performance Method, use Form DSA 403-B)

### PURPOSE

This checklist identifies the 2019 California Energy Code Certificates of Compliance to be submitted with the Plans as part of the plan review process for Prescriptive Compliance. Not all Certificates of Compliance on this checklist may be applicable to the submitted project.

### INSTRUCTIONS

Check the appropriate boxes for all required forms pertaining to the submittal. All required information and mandatory measures must be specified in the plans, and all copies of the Certificates of Compliance required for the Project must be submitted in PDF form and a copy of the Certificates of Compliance must be provided in the Plans. The Certificates of Compliance are dynamic and expand or collapse based on the project scope.

For all conditioned buildings pursuing the Prescriptive Method, the following forms are required: Commissioning (CXR), Envelope (ENV), Mechanical (MCH), Indoor Lighting (LTI), Outdoor Lighting (LTO), Electrical Power Distribution (ELC), and Solar Ready (SRA). Plumbing (PLB) is required for each water heater specified in the Project. NRCC-LTS-E is required if internally illuminated or externally illuminated signs are specified either indoors or outdoors in the Project. NRCC-PRC-E is required for Covered Process specified in the Project, which includes computer rooms, data centers, elevators, escalators and moving walkways, laboratories, enclosed parking garages, commercial kitchens, refrigerated warehouses, commercial refrigeration, compressed air systems, or process boilers.

For questions about required Certificates of Compliance and compliance with the California Energy Code contact the Energy Standards Hotline – 1 (800) 772-3300; Outside California: (916) 654-5106. For additional information see <a href="https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2019-building-energy-efficiency-1">www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-1</a>

1	Key.	: <b>R</b> =	Report Required <b>P</b> = Copy of Form Required on Plans				
Review will not commence until this checklist and all required Certificates of Compliance are submitted.							
COMMISSIONING	R		NRCC-CXR-E Building Commissioning				
COMMISSIONING	P		Sheet # in the plans:				
ENVELOPE	R		NRCC-ENV-E Envelope Component Approach				
ENVELOPE	Р		Sheet # in the plans:				
MECHANICAL	R		NRCC-MCH-E Mechanical Systems				
WECHANICAL	Р		Sheet # in the plans:				
INDOOR	R	~	NRCC-LTI-E Indoor Lighting				
LIGHTING	Р	~	Sheet # in the plans: E0.01				
OUTDOOR	R		NRCC-LTO-E Outdoor Lighting				
LIGHTING	Р		Sheet # in the plans:				
SOLAR READY	R		NRCC-SRA-E Solar Ready				
JOLAN NEADT	Р		Sheet # in the plans:				

DGS DSA 403-A (rev 01/06/20) DIVISION OF THE STATE ARCHITECT

DEPARTMENT OF GENERAL SERVICES

Page 1 of 2 STATE OF CALIFORNIA

STATE OF CALIFORNIA

DSA 403-A

2019 ENERGY CODE - CERTIFICATES OF COMPLIANCE CHECKLIST

ELECTRICAL POWER	R	NRCC-ELC-E Electrical Power Distribution
DISTRIBUTION	Р	Sheet # in the plans:
PLUMBING	R	NRCC-PLB-E Plumbing
PLUMBING	Р	Sheet # in the plans:
SIGN LIGHTING	R	NRCC-LTS-E Sign Lighting
SIGN LIGHTING	Р	Sheet # in the plans:
COVERED	R	NRCC-PRC-E Covered Process
PROCESSES	Р	Sheet # in the plans:

As the Professional in General Responsible Charge, I have reviewed the Project Plans and affirm that the documentation submitted is in compliance with the requirements of the 2019 California Energy Code (Title 24, Part 6). The documents checked on pages 1 and 2 of this form are included in the project submittal. I further acknowledge that upon installation of equipment and material identified on compliance forms, I will ensure that the appropriate installation and acceptance tests are conducted and the associated forms completed, signed, and submitted to the owner, and that the completed construction complies with the 2019 California Energy Code Building Energy Standards.

ure: \_\_\_\_\_\_ Date: \_\_\_\_\_\_

DGS DSA 403-A (rev 01/06/20) DIVISION OF THE STATE ARCHITECT

Print Full Name: Joe Vela

DEPARTMENT OF GENERAL SERVICES

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP: 02-120607 INC:

REVIEWED FOR

SS FLS ACS D

DATE: 02/17/2023

aedis

San Jose, CA 95113 tel: (408)-300-5160 fax: (408)-300-5121

www.aedisarchitects.com 387 S. 1st Street, Suite 300

Solano CCD BLDG 300 Modernization

SOLANO COMMUNITY COLLEGE DISTRICT

PROJECT

CONSULTANT

MP

CENSED ARCHITICA

MO. C-27833 ★

NO. C-27833 ★

OF CALLED

OF CALLED

 STATE
 48-C1

 DSA FILE NUMBER
 48-C1

 APPL #
 02-120607

REVISIONS

Description Date

MILESTONES

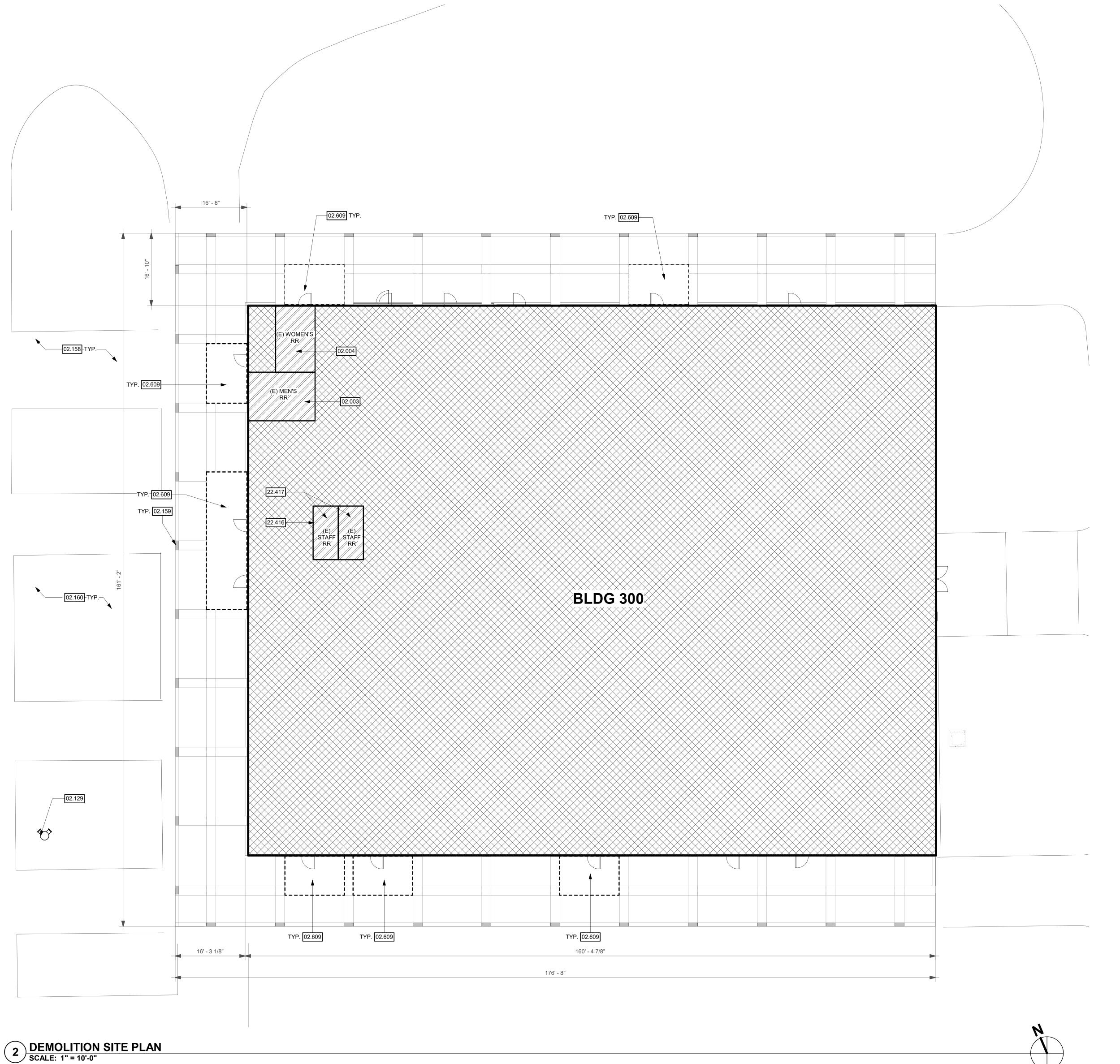
SD 06.17.2022 DD 08.12.2022 50% CD 09.05.2022 90% CD 10.11.2022 DSA SUB 10.28.2022

QUEET

403A FORM

DATE 02.21.20

ов# 2022



- A CONTRACTOR TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT AND PATH OF TRAVEL COMPLIES WITH CBC 11B-206.
- B CONTRACTOR SHALL MAINTAIN FIRE LANE ACCESS THROUGHOUT PROJECT.
- C CONTRACTOR TO COORDINATE WITH LOCAL FIRE MARSHALL, CITY, AND DISTRICT FOR THE INSTALLATION OF FIRE HYDRANTS AND FIRE SPRINKLER SYSTEMS. NEW FIRE HYDRANTS ARE TO BE INSTALLED AND OPERATIONAL PRIOR TO STORING COMBUSTIBLE MATERIAL ON SITE PER CFC SECTION 1412. AN APPROVED TEMPORARY WATER SUPPLY FOR FIRE PROTECTION SHALL BE PROVIDED IF PERMANENT SOURCE IS NOT AVAILABLE.
- D DO NOT INTERRUPT EXISTING UTILITY SERVICES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AND COORDINATED WITH THE OWNER.
- PROTECT EXISTING & NEW STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, TREES AND SHRUBS FROM DAMAGE DURING CONSTRUCTION.

REFER TO PLUMBING AND ELECTRICAL DRAWINGS FOR EXTENT OF PLUMBING AND ELECTRICAL

G THE POT 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 PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THE PROJECTS WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLDS OR LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. 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.

H ALL ITEMS REFERENCED IN KEYNOTES ARE TO BE PROVIDED NEW, U.O.N.

### **DEMOLITION SITE PLAN KEYNOTES**

- 02.003 (E) MEN RESTROOM DSA #02-106804, ADA UPGRADES PER ENLARGED RESTROOM PLAN ON A3.10 02.004 (E) WOMEN RESTROOM DSA #02-106804, ADA UPGRADES PER ENLARGED RESTROOM PLAN ON A3.10 02.129 (E) FIRE HYDRANT
- 02.158 (E) CONCRETE WALKWAY
- 02.159 (E) CONCRETE COLUMN
- 02.160 (E) PLANTER
  02.609 DEMOLISH EXISTING CONCRETE AND AGGREGATE WALKWAY PER PLAN, ALIGN SAW CUT WITH (E)
- COLD JOINT. PROTECT (E) STRUCTURE TO REMAIN.

  22.416 REPLACE (E) DRINKING FOUNTAIN WITH NEW D.A. DRINKING FOUNTAIN WITH BOTTLE WATER DISPENSER, S.P.D. AND DETAIL
- 22.417 REPLACE (E) RESTROOMS FOR FOR NEW ACCESSIBLE STAFF RESTROOM. SEE ENLARGED RESTROOM FLOOR PLAN ON 2/A3.10 AND S.E.D & S.P.D.

### **GRAPHIC KEY**

(E) F.H.

EXISTING TO BE DEMOLISHED

EXISTING TOILET ROOMS. REFER TO NOTES FOR WORK IN THESE AREA

NEW TOILET ROOM, REFER TO NOTES FOR WORK IN THESE AREA

(E) CONCETE WALKWAY TO REMAIN

EXISTING CONSTRUCTION TO REMAIN

EXISTING FIRE HYDRANT

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP: 02-120607 INC:

REVIEWED FOR

SS FLS ACS D

DATE: 02/17/2023

aedis

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

PROJECT

Solano CCD BLDG 300 Modernization



COMMUNITY COLLEGE

SOLANO COMMUNITY
COLLEGE DISTRICT

CONSULTANT



STATE

DSA FILE NUMBER 48-C

APPL# 02-120607

REVISIONS

No. Des

. Description Date

MILESTONES

 SD
 06.17.2022

 DD
 08.12.2022

 50% CD
 09.05.2022

 90% CD
 10.11.2022

 DSA SUB
 10.28.2022

 DSA BACKCHECK
 02.21.2023

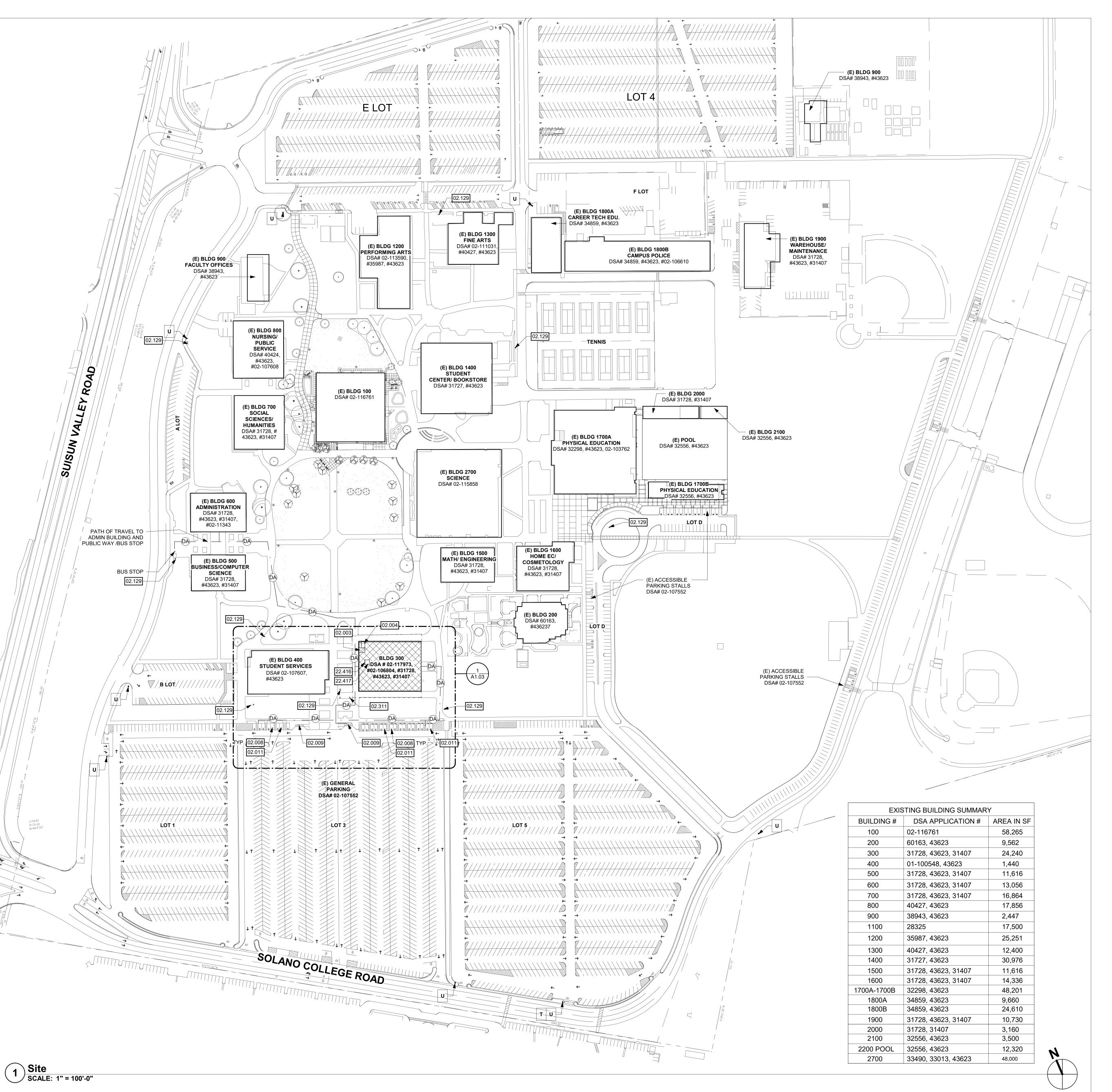
----

DEMOLITION SITE

DATE 02.21.2023

<sup>ЈОВ#</sup> 2022012

41.01



- CONTRACTOR TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT AND PATH OF TRAVEL COMPLIES WITH CBC 11B-206.
- B CONTRACTOR SHALL MAINTAIN FIRE LANE ACCESS THROUGHOUT PROJECT.
- CONTRACTOR TO COORDINATE WITH LOCAL FIRE MARSHALL, CITY, AND DISTRICT FOR THE INSTALLATION OF FIRE HYDRANTS AND FIRE SPRINKLER SYSTEMS. NEW FIRE HYDRANTS ARE TO BE INSTALLED AND OPERATIONAL PRIOR TO STORING COMBUSTIBLE MATERIAL ON SITE PER CFC SECTION 1412. AN APPROVED TEMPORARY WATER SUPPLY FOR FIRE PROTECTION SHALL BE PROVIDED IF PERMANENT SOURCE IS NOT AVAILABLE.
- DO NOT INTERRUPT EXISTING UTILITY SERVICES SERVING OCCUPIED OR USED FACILITIES. EXCEPT WHEN AUTHORIZED IN WRITING BY AND COORDINATED WITH THE OWNER.
- PROTECT EXISTING & NEW STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, TREES AND SHRUBS FROM DAMAGE DURING CONSTRUCTION.

REFER TO PLUMBING AND ELECTRICAL DRAWINGS FOR EXTENT OF PLUMBING AND ELECTRICAL

THE POT 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 PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THE PROJECTS WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLDS OR LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. 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.

H ALL ITEMS REFERENCED IN KEYNOTES ARE TO BE PROVIDED NEW, U.O.N.

### **NEW SITE PLAN KEYNOTES**

- 02.003 (E) MEN RESTROOM DSA #02-106804, ADA UPGRADES PER ENLARGED RESTROOM PLAN ON A3.10 02.004 (E) WOMEN RESTROOM DSA #02-106804, ADA UPGRADES PER ENLARGED RESTROOM PLAN ON A3.10 02.008 (E) ACCESSIBLE STANDARD PARKING STALLS DSA# 02-107552
- 02.009 (E) DROP-OFF AREA DSA# 02-107607 02.011 (E) D.A.VAN ACCESSIBLE PARKING STALL DSA# 02-107552
- 02.129 (E) FIRE HYDRANT
- 02.311 (E) FIRE DEPARTMENT POINT OF CONNECTION
- 22.416 REPLACE (E) DRINKING FOUNTAIN WITH NEW D.A. DRINKING FOUNTAIN WITH BOTTLE WATER DISPENSER, S.P.D. AND DETAIL 7 / A9.10
- 22.417 REPLACE (E) RESTROOMS FOR FOR NEW ACCESSIBLE STAFF RESTROOM. SEE ENLARGED RESTROOM FLOOR PLÀN ON 2/A3.10 AND S.E.D & S.P.D.

### PARKING COUNT:

PER CBC 2019, TABLE 11B-208.2		
	REQUIRED	ACTUAL
GENERAL PARKING LOT 3		
PARKING SPACES		843
D.A. PARKING SPACES	17	21
VAN D.A. PARKING SPACES	3	3

### **GRAPHIC KEY**

**BUILDING IN SCOPE** 

EXISTING TOILET ROOMS. REFER TO NOTES FOR WORK IN THESE AREA

> NEW TOILET ROOMS. REFER TO NOTES FOR WORK IN THESE AREA

EXISTING CONSTRUCTION TO REMAIN

ASSUMED PROPERTY LINE —(DA)— - —

D.A. PATH OF TRAVEL D.A. PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER FREE ACCESS WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" WIDE. SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. D.A. PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM HEIGHT AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND BELOW 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

(E) F.H.

EXISTING FIRE HYDRANT

PARKING PERMIT REQUIRED SIGN TOW-AWAY SIGN

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 02/17/2023

architects

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

Solano CCD BLDG 300 Modernization

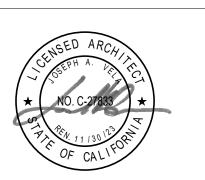
PROJECT



COMMUNITY COLLEGE SOLANO COMMUNITY

COLLEGE DISTRICT

CONSULTANT



DSA FILE NUMBER

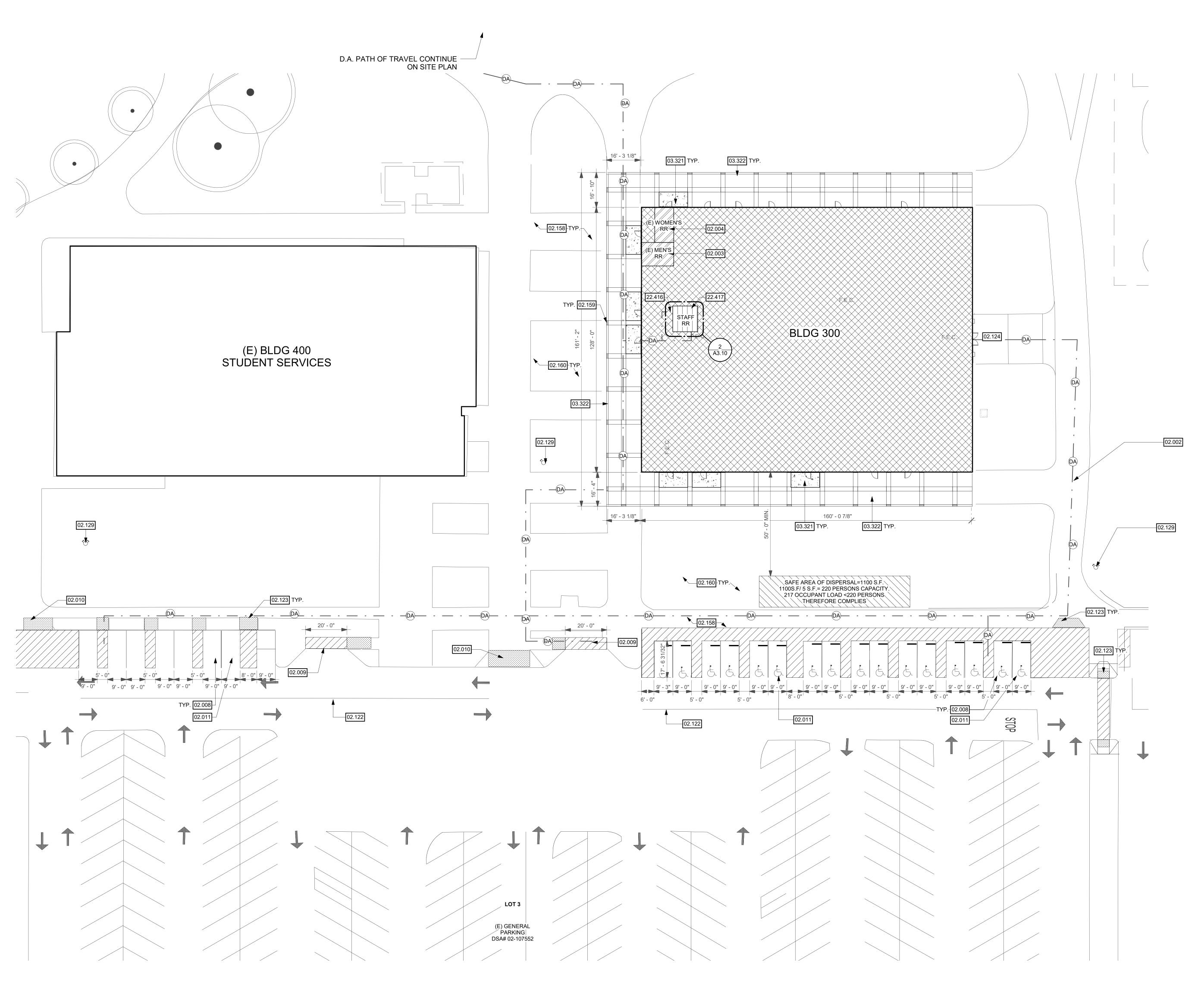
02-120607 REVISIONS

**MILESTONES** 

06.17.2022 08.12.2022 09.05.2022 50% CD 90% CD 10.11.2022 DSA SUB 10.28.2022 DSA BACKCHECK 02.21.2023

**NEW SITE PLAN** 

02.21.2023



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

### **GENERAL SHEET NOTES**

- A CONTRACTOR TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT AND PATH OF TRAVEL COMPLIES WITH CBC 11B-206.
- B CONTRACTOR SHALL MAINTAIN FIRE LANE ACCESS THROUGHOUT PROJECT.
- C CONTRACTOR TO COORDINATE WITH LOCAL FIRE MARSHALL, CITY, AND DISTRICT FOR THE INSTALLATION OF FIRE HYDRANTS AND FIRE SPRINKLER SYSTEMS. NEW FIRE HYDRANTS ARE TO BE INSTALLED AND OPERATIONAL PRIOR TO STORING COMBUSTIBLE MATERIAL ON SITE PER CFC SECTION 1412. AN APPROVED TEMPORARY WATER SUPPLY FOR FIRE PROTECTION SHALL BE PROVIDED IF PERMANENT SOURCE IS NOT AVAILABLE.
- DO NOT INTERRUPT EXISTING UTILITY SERVICES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AND COORDINATED WITH THE OWNER.
- E PROTECT EXISTING & NEW STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, TREES AND SHRUBS FROM DAMAGE DURING CONSTRUCTION.

REFER TO PLUMBING AND ELECTRICAL DRAWINGS FOR EXTENT OF PLUMBING AND ELECTRICAL

G THE POT 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 PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THE PROJECTS WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLDS OR LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS. 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.

H ALL ITEMS REFERENCED IN KEYNOTES ARE TO BE PROVIDED NEW, U.O.N.

### NEW SITE PLAN KEYNOTES

02.002 (E) PATH OF TRAVEL TO ACCESSIBLE PARKING DSA# 02-107607 02.003 (E) MEN RESTROOM DSA #02-106804, ADA UPGRADES PER ENLARGED

RESTROOM PLAN ON A3.10

02.004 (E) WOMEN RESTROOM DSA #02-106804, ADA UPGRADES PER ENLARGED

RESTROOM PLAN ON A3.10
02.008 (E) ACCESSIBLE STANDARD PARKING STALLS DSA# 02-107552

02.000 (E) DROP-OFF AREA DSA# 02-107607 02.010 (E) SERVICE RAMP DSA# 02-107552

02.011 (E) D.A.VAN ACCESSIBLE PARKING STALL DSA# 02-107552

02.122 (E) PARKING STRIPING
02.123 (E) TRUNCATED DOMES

02.123 (E) TRUNCATED DOMES
02.124 (E) CONCRETE PAVING

02.129 (E) FIRE HYDRANT 02.158 (E) CONCRETE WALKWAY

02.158 (E) CONCRETE WALKWAY
02.159 (E) CONCRETE COLUMN

02.160 (E) PLANTER
03.321 CONCRETE AGGREGATE WALKWAY, MATCH (E) FINISH. CONFIRM AND
CONFORM TO SURROUNDING WALKWAY. SLOPE AWAY FROM BUILDING 1%

MIN.; SLOPE NOT TO EXCEED 5%, CROSS SLOPE NOT TO EXCEED 2%. SEE DETAILS 1/A1.05 2/A1.05 3/A1.05 4/A1.05 5/A1.05

03.322 POWER WASH (E) CONCRETE WALKWAY

22.416 REPLACE (E) DRINKING FOUNTAIN WITH NEW D.A. DRINKING FOUNTAIN WITH BOTTLE WATER DISPENSER, S.P.D. AND DETAIL 7 / A9.10

22.417 REPLACE (E) RESTROOMS FOR FOR NEW ACCESSIBLE STAFF RESTROOM.
SEE ENLARGED RESTROOM FLOOR PLAN ON 2/A3.10 AND S.E.D & S.P.D.

### **GRAPHIC KEY**

BUILDING IN SCOPE

BOILDING IN GOO!

EXISTING TOILET ROOMS. REFER TO NOTES FOR ADDITIONAL INFORMATION.

NEW TOILET ROOMS. REFER TO NOTES

FOR ADDITIONAL INFORMATION.

EXISTING CONCRETE TO REMAIN

AREA OF SAFE DISPERSAL

FIRE DEPARTMENT POINT OF

A A

(E) F.H.

— (DA)— • — D.A. PATH OF TRAVEL

EXISTING FIRE HYDRANT

D.A. PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER FREE ACCESS WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" WIDE. SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. D.A. PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80"

OVERHANGING OBSTRUCTIONS TO 80"
MINIMUM HEIGHT AND PROTRUDING OBJECTS
GREATER THAN 4" PROJECTION FROM WALL
ABOVE 27" AND BELOW 80". ARCHITECT
SHALL VERIFY THAT THERE ARE NO
BARRIERS IN THE PATH OF TRAVEL.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 02-120607 INC:

REVIEWED FOR

SS FLS ACS D

DATE: 02/17/2023

aedis

www.aedisarchitects.com

387 S. 1st Street, Suite 300

San Jose, CA 95113

tel: (408)-300-5160

fax: (408)-300-5121

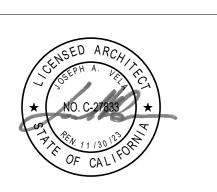
PROJECT

Solano CCD BLDG 300 Modernization



COMMUNITY COLLEGE

SOLANO COMMUNITY
COLLEGE DISTRICT
CONSULTANT



DSA FILE NUMBER 48-C1

APPL # 02-120607

REVISIONS

Description Da

MILESTONES

 SD
 06.17.2022

 DD
 08.12.2022

 50% CD
 09.05.2022

 90% CD
 10.11.2022

 DSA SUB
 10.28.2022

 DSA BACKCHECK
 02.21.2023

SHEET

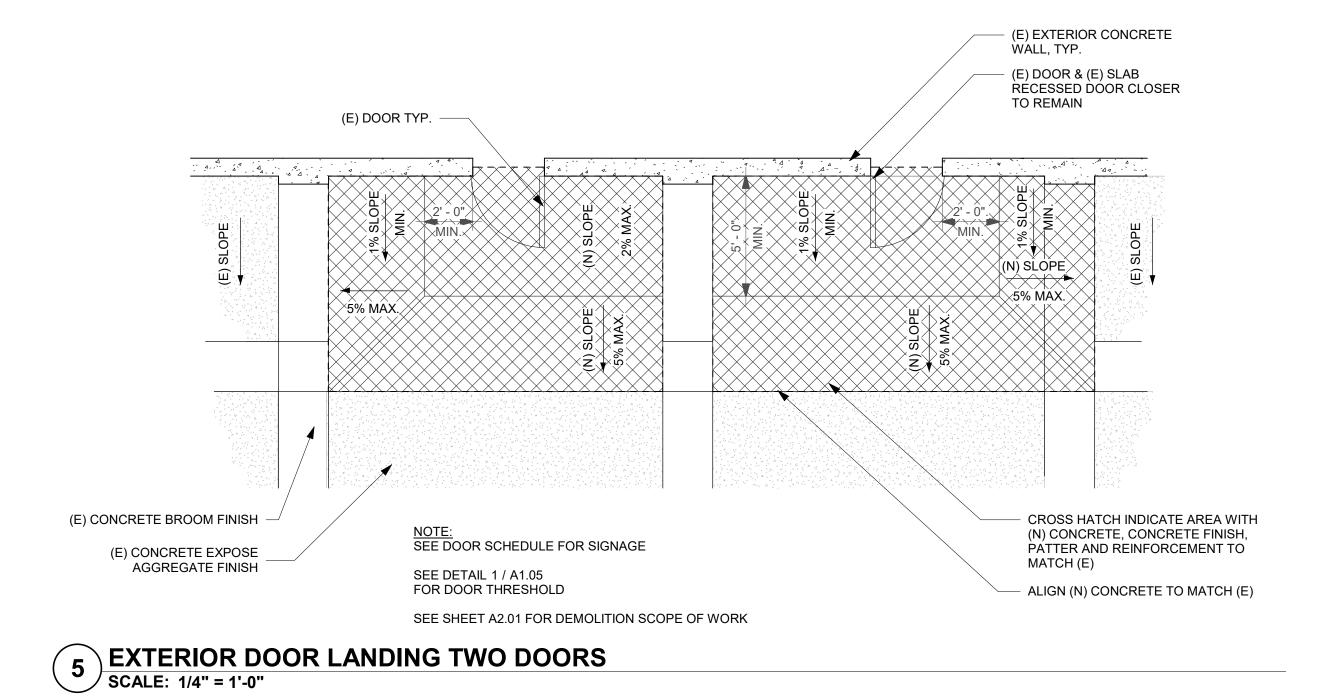
ENLARGED SITE PLAN

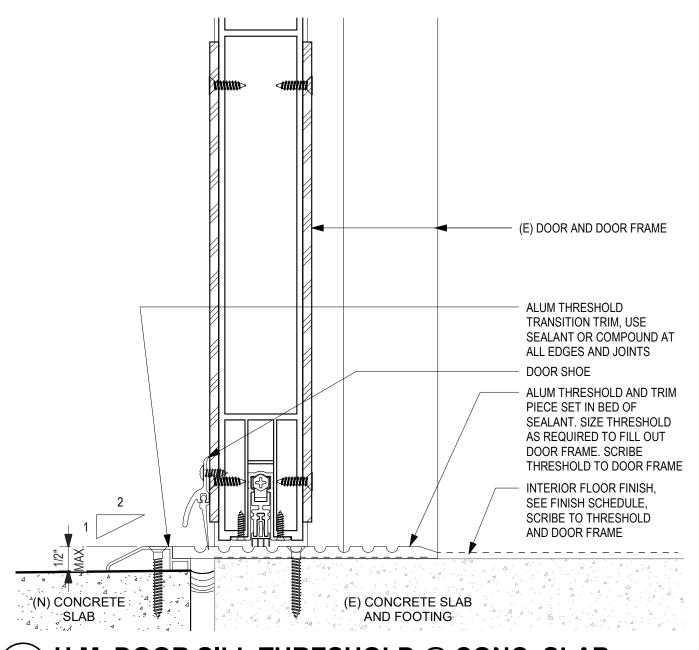
O2.21.2023

JOB # 2022012

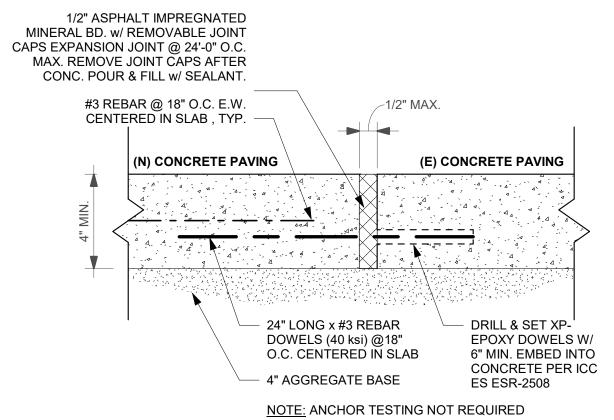
T# Δ1 ∩2

7 1 1 . C

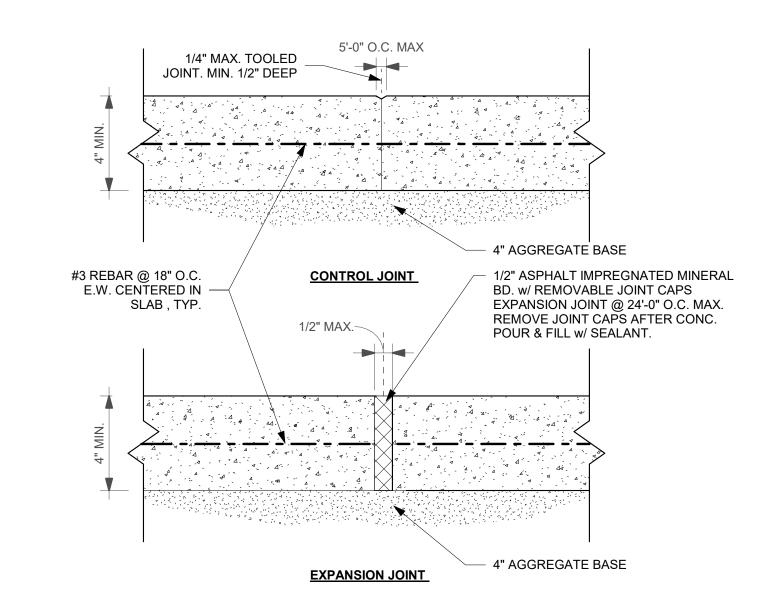




## 1 H.M. DOOR SILL THRESHOLD @ CONC. SLAB SCALE: 6" = 1'-0"



# NEW TO EXISTING CONCRETE PAVING SCALE: 3" = 1'-0"



NOTES:

1. MEDIUM BROOM FINISH UNLESS NOTED OR INDICATED OTHERWISE.

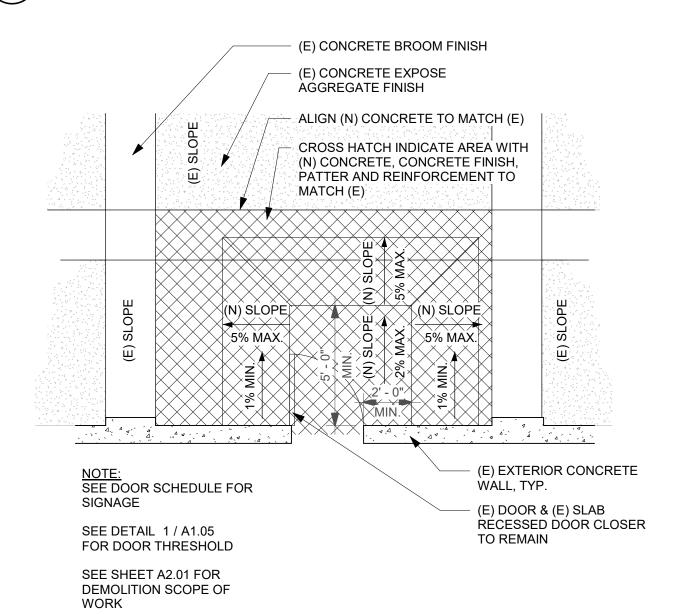
2. MAXIMUM 4.5% SLOPE IN LONGITUDINAL DIRECTION.

3. MAXIMUM 1.85% SLOPE IN TRANSVERSE DIRECTION.

4. SPACING OF JOINTS AS NOTED ABOVE, G.C. TO SUBMIT SPACING PLAN SHOWING ALL LOCATIONS PRIOR TO INSTALLATION.

5. SET ALL CONCRETE WORK ON MINIMUM 4" AGGREGATE BASE.

## 3 CONCRETE PAVING SCALE: 3" = 1'-0"



# 4 EXTERIOR DOOR LANDING SCALE: 1/4" = 1'-0"



# apdie

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

PROJECT

Solano CCD BLDG 300 Modernization



COMMUNITY COLLEGE

SOLANO COMMUNITY
COLLEGE DISTRICT
CONSULTANT

TAMP

CLISEPH A. DELLECTOR

MO. C-27833 \*

STATE

DSA FILE NUMBER 48-C1

DSA FILE NUMBER 48-C1
APPL # 02-120607

REVISIONS
No. Description Date

MILESTONES

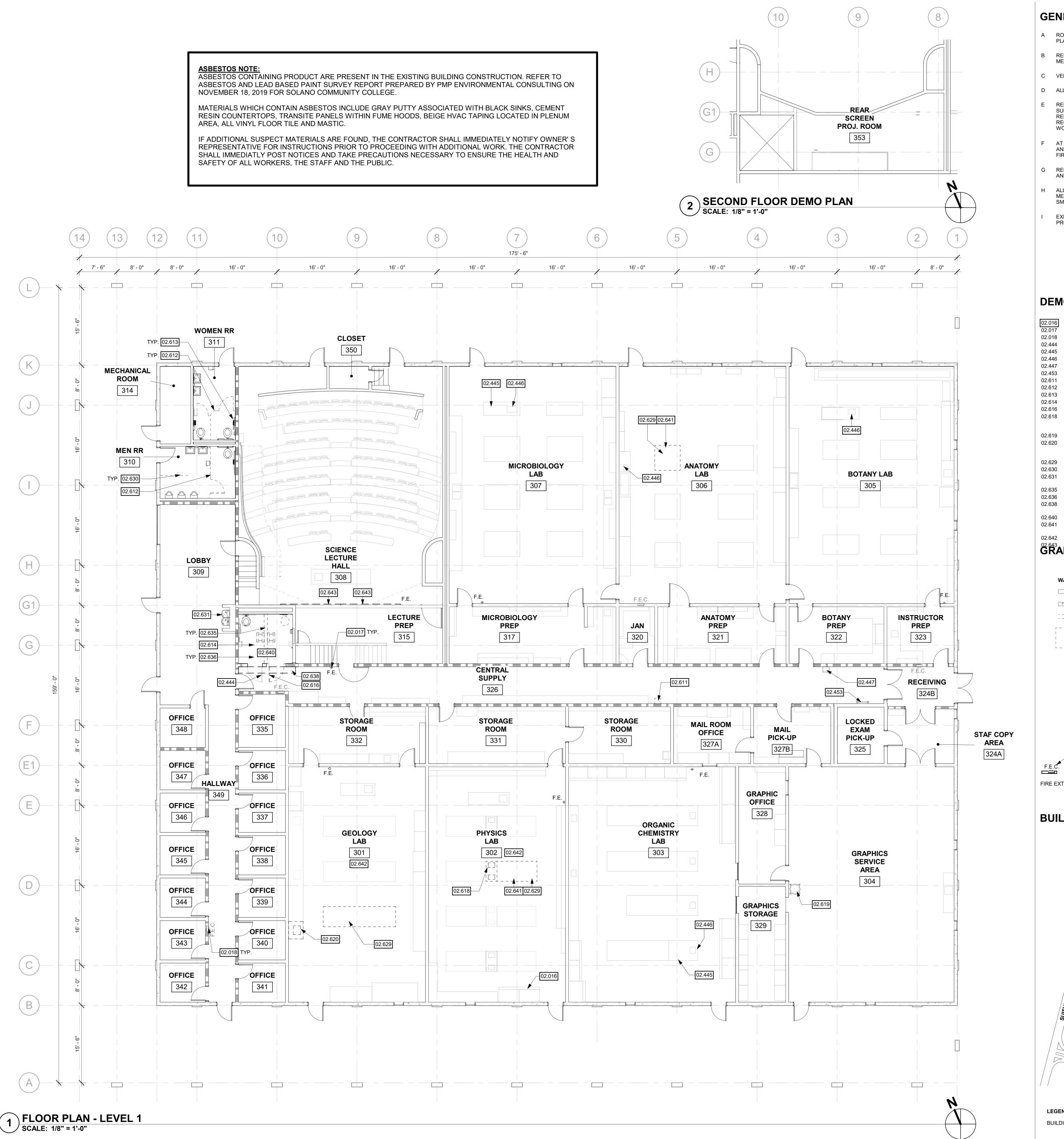
SD 06.17.2022
DD 08.12.2022
50% CD 09.05.2022
90% CD 10.11.2022
DSA SUB 10.28.2022
DSA BACKCHECK 02.21.2023

SHEET

SITE DETAILS

DATE 02.21.2023
JOB # 2022012

A1.05



AND WALL FINISHES PER NEW WALL TYPES.

- ROOM NAMES OR NUMBERS MAY NOT BE CONSISTENT BETWEEN DEMOLITION AND NEW FLOOR
- REFER TO MECHANICAL, PLUMBING, ELECTRICAL AND FIRE ALARM DRAWINGS FOR EXTENT OF MECHANICAL, PLUMBING, ELECTRICAL AND FIRE ALARM DEMOLITION WORK.
- C VERIFY LIMITS OF DEMOLITION WITH SCOPE OF NEW WORK PRIOR TO COMMENCING WORK.
- D ALL ITEMS SHOWN DASHED ARE TO BE DEMOLISHED UNLESS OTHERWISE NOTED ON PLANS.
- REMOVE ALL MISCELLANEOUS TRIM, CASEWORK, EQUIPMENT, CONDUIT, BASES, AND OTHER SURFACE MOUNTED ITEMS WHETHER SHOWN OR NOT ON PARTITIONS TO BE DEMOLISHED. REMOVE AND CAP ALL OUTLETS, SWITCHES, WIRES, THERMOSTATS, ETC. TO THEIR SOURCE AS
- AT CEILINGS TO BE REMOVED, REMOVE ALL CEILINGS, SOFFITS, RELATED SUPPORT SYSTEMS AND ACCESSORIES, AND CEILING MOUNTED ITEMS. COORDINATE WITH MECHANICAL, PLUMBING,
- FIRE PROTECTION, AND ELECTRICAL DRAWINGS. REMOVE WALL FINISHES AND GYP. BOARD DOWN TO STUDS. PREPARE FOR NEW SUBSTRATE

REQUIRED. SEE CONSULTANTS DRAWINGS FOR ADDITIONAL INFORMATION AND SCOPE OF

- ALL FLOORING MATERIALS ARE TO BE REMOVED TO TOP OF EXISTING SLAB BY MECHANICAL MEANS U.O.N. REVIEW SECTION 024113 AS APPLICABLE. TOP OF EXISTING SLAB TO BE LEFT SMOOTH, CLEAN, AND FREE OF ALL ADHESIVE AND READY FOR INSTALLATION OF NEW FLOORING.
- EXISTING EQUIPMENT INDICATED TO BE RELOCATED PER NEW PLAN IS TO BE STORED AND PROTECTED DURING CONSTRUCTION.

### DEMOLITION FLOOR PLAN KEYNOTES

ABANDONED (E) FUME HOOD - NOT IN USE (E) WALL MOUNTED FIRE EXTINGUISHER (E) FIRE EXTINGUISHER CABINET (E) DOOR AND FRAME TO REMAIN (E) ACCESSIBLE CABINET SURFACE W/INTEGRATED POWER (E) ACCESSIBLE CABINET SURFACE W/SINK (E) RESPIRATOR CABINET, RELOCATE PER NEW FLOOR PLAN (E) ROOF ACCESS LADDER TO REMAIN

RELOCATE (E) RESPIRATOR STORAGE CABINET REMOVE AND REPLACE (E) TOILET PARTITION, TYP. REMOVE GRAB BARS AND TOILET ACCESSOIRES. REPLACE PER PROPOSED PLAN DEMO (E) RESTROOM PLUMBING FIXTURES, ACCESSOIRIES AND FINISHES, S.P.D.

DEMO DOOR AND ASSOCIATED FRAME DEMO ( E) CABINET/ COUNTER WITH SINK AND INTEGRATED POWER AND REPLACE WITH NEW CABINET/ COUNTER WITH SINK AND INTEGRATED POWER. SEE PLUMBING /ELECTRICAL DRAWINGS AND PROPOSED FLOOR PLAN. DEMO AND REPLACE (E ) SINK, SEE NEW FLOOR PLAN

DEMO (E) 48" CABINET AND SINK. CUT (E) COUNTER AND BACKSPLASH TO ALLOW JOINT WITH NEW COUNTER. REPLACE WITH NEW ADA ACCESSIBLE CABINET W/SINK. S.P.D., PROPOSED FLOOR PLAN AND ELEVATIONS ON

REMOVE AND REPLACE (E ) LAB TABLE. SEE PROPOSED FLOOR PLAN AND ELEVATIONS 02.630 REMOVE (E) PAPER TOWEL DISPENSER AND RETURN TO THE DISTRICT REMOVE AND REPLACE (E) HI-LO DRINKING FOUTAIN, S.P.D AND PROPOSED FLOOR PLAN AND DETAIL 7 / A9.10 DEMO (E) WALL AND CURB PER PLAN

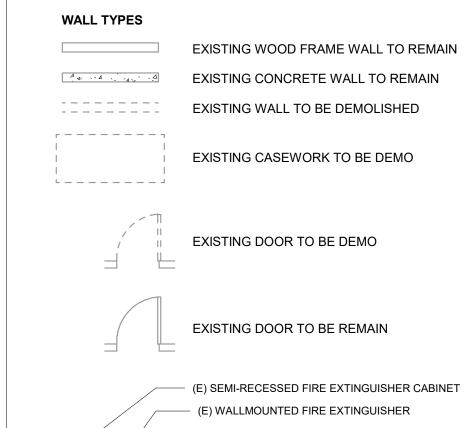
REMOVE CONDUIT AT POWERED TABLE, PROTECT WIRES DURING CONSTRUCTION;

DEMO (E) FLOOR AND WALL TILE REMOVE (E) VCT TILE IN AREA OF CONSTRUCTION AS REQUIRED. SEE PROPOSED 02.638 SAWCUT (E) CONCRETE SLAB AS REQUIRED FOR NEW PLUMBING WORK, S.P.D.

PROTECT (E) STENCIL PAINTING DURING CONSTRUCTION

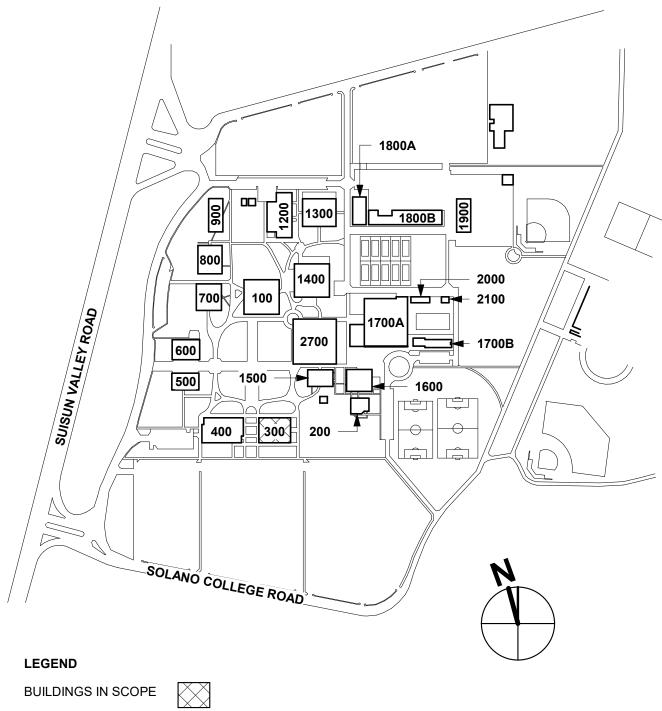
PREPARE AREA FOR NEW WORK, S.E.D.

### 02.643 REMOVE (E) CHALKBOARD; PREPARE AREA FOR NEW WORK



FIRE EXTINGUISHER AND FIRE EXTINGUISHER CABINETS

### **BUILDING KEY**



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 02/17/2023

architects

fax: (408)-300-5121

PROJECT Solano CCD BLDG 300

www.aedisarchitects.co 387 S. 1st Street, Suite 300

San Jose, CA 95113

tel: (408)-300-516



COMMUNITY COLLEGE

SOLANO COMMUNITY COLLEGE DISTRICT CONSULTANT

DSA FILE NUMBER 02-120607

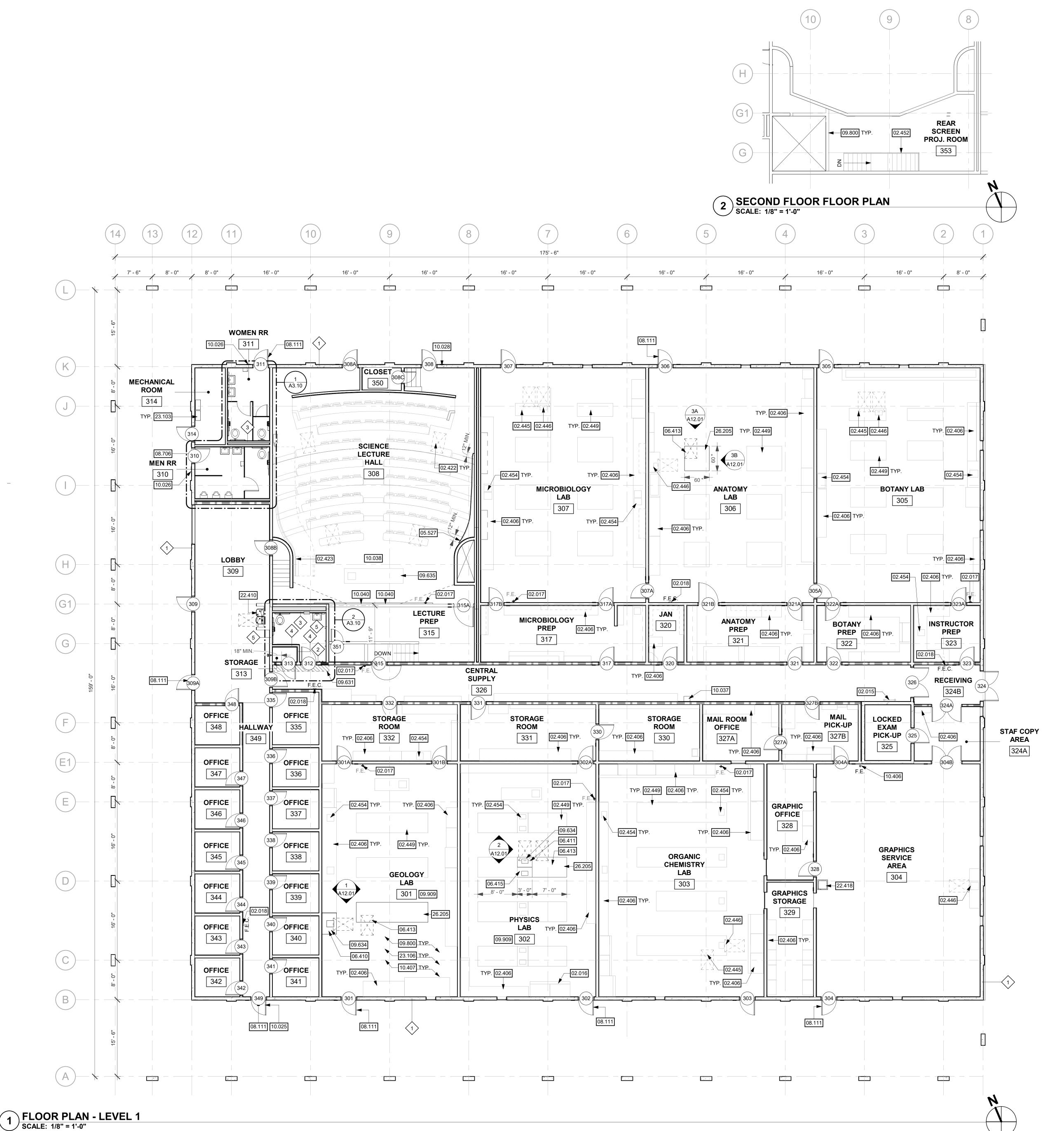
REVISIONS

MILESTONES

06.17.2022 08.12.2022 09.05.2022 50% CD 90% CD 10.11.2022 DSA SUB 10.28.2022 DSA BACKCHECK 02.21.2023

**DEMOLITION FLOOR** PLAN

> 02.21.2023 2022012



- A ROOM NAMES OR NUMBERS MAY NOT BE CONSISTENT BETWEEN DEMOLITION AND NEW FLOOR PLANS.
- REFER TO MECHANICAL, PLUMBING, ELECTRICAL AND FIRE ALARM DRAWINGS FOR EXTENT OF MECHANICAL, PLUMBING, ELECTRICAL AND FIRE ALARM WORK.
- F ALL TOILET ROOM STUD WALLS SHALL HAVE NEW SOUND ATTENUATION INSULATION.
- PROVIDE WALL BLOCKING AT ALL TOILET FIXTURE AND ACCESSORY MOUNTING LOCATIONS. SEE TYPICAL BACKING AND BLOCKING DETAILS.
- H FOR TOILET ROOM FIXTURE MOUNTING HEIGHTS, SEE TYPICAL FIXTURE MOUNTING HEIGHTS DETAIL
- WATER SUPPLY AND DRAIN PIPES ACCESSIBLE UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE OBJECTS OR SURFACES UNDER LAVATORIES, TYP.
- REFER TO WALL TYPE PLANS AND WALL TYPE DETAILS FOR IDENTIFICATION OF ALL WALL TYPES.
- K REFER TO FINISH PLAN AND SCHEDULE FOR IDENTIFICATION OF ALL FINISHES.
- DIMENSIONS FOR EXISTING BUILDING ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY PRIOR TO START OF CONSTRUCTION.
- M ALL ITEMS REFERENCED IN KEYNOTES ARE TO BE PROVIDED NEW, U.O.N.
- N WALL FINISHES PER PAINT PLAN, U.O.N., SEE SHEET A11.11.
- O FIRE ALARM UPGRADES THROUGHOUT, U.O.N., S.F.A.D. P NEW HVAC CONTROLS THROUGHOUT, U.O.N., S.M.D.

### **KEYNOTES**

- 02.015 (E) METAL LADDER FOR ROOF ACCESS
- 02.016 ABANDONED (E) FUME HOOD NOT IN USE
- 02.017 (E) WALL MOUNTED FIRE EXTINGUISHER 02.018 (E) FIRE EXTINGUISHER CABINET
- 02.406 (E) CASEWORK TO REMAIN, TYP. 02.422 (E) WHEEL CHAIR ACCESSIBLE SEATING
- 02.423 (E) ACCESSIBLE LIFT

SEE DETAIL 9 / A9.10

- 02.445 (E) ACCESSIBLE CABINET SURFACE W/INTEGRATED POWER
- 02.446 (E) ACCESSIBLE CABINET SURFACE W/SINK
- 02.449 (E) LAB TABLE TO REMAIN, TYP. 02.452 (E) RAILING
- 02.454 (E) CABINET SURFACE W/SINK TO REMAIN 05.527 1 1/4" DIAMETER STANDARD STEEL PIPE HANDRAIL, PAINTED FINISH TO MATCH CHAIRLIFT RAILING.
- 06.410 ACCESSIBLE HEIGHT CABINET/ COUNTER WITH SINK, S.P.D. AND DETAIL 4 / A11.10 & 6 / A11.10 06.411 ACCESSIBLE HEIGHT CABINET/ COUNTER WITH SINK AND INTEGRATED POWER. SEE ELECTRICAL,
- PLUMBING DRAWINGS AND DETAIL 3 / A11.10 06.413 ACCESSIBLE HEIGHT BUILT-IN LAB SURFACE W/INTEGRATED POWER, S.E.D. AND DETAIL 2 / A11.10
- 06.415 SINK CABINET W/ INTEGRATED POWER AND DATA. S.E.D., S.P.D. DRAWINGS AND DETAIL 6 / A11.10
- 08.111 PROVIDE 10" MIN. KICK PLATE COVERING WIDTH OF DOOR ON THE PUSH SIDE
- 08.706 PROVIDE ACCESSIBLE LEVER DOOR HANDLE, SEE DOOR SCHEDULE FOR THE HARDWARE CHANGES 09.631 REPLACE VCT TILE IN AREA OF CONSTRUCTION PER FINISH FLOOR PLAN 2/A.11.01
- 09.634 NEW ADA CABINET TO EXPOSE FLOOR FINISH, INSTALL NEW VCT TILE AS NEEDED IF THERE ARE NO
- TILE UNDER (E) CABINET REMOVED. INSTALL VCT TILE FINISH PER FINISH SCHEDULE. 09.635 INSTALL NEW RUBBER BASE AT THE TEACHER'S DEMONSTRATION CABINET PER FINISH SCHEDULE
- 09.800 WALL FINISHES PER PAINT PLAN, SEE SHEET A11.11, TYP.
- 09.909 DO NOT PAINT ABOVE MAP RAIL; PROTECT STENCIL PAINTING DURING CONSTRUCTION 10.025 ADJUST REGULAR DOOR CLOSER TO ACCESSIBLE STANDARDS (5LBS. MAX)
- 10.026 REPLACE (E) RESTROOM SIGNAGE SYMBOLS PER DETAIL 20 / A10.01. SEE DOOR SCHEDULE ON
- 10.028 ASSISTIVE LISTENING DEVICE SIGNAGE
- 10.037 RELOCATE (E) RESPIRATOR STORAGE CABINET 10.038 INSTALL PERMANENT ASSISTIVE LISTENING DEVICE, O.F.C.I., SEE ELECTRICAL DRAWINGS
- 10.040 APPROX. 4' x 12' MARKERBOARD; VERIFY SIZE IN FIELD PRIOR TO INSTALLATION; INSTALL IN SAME LOCATION AS PREVIOUS CHARAKBOARDS 10.406 WALL MOUNTED FIRE EXTINGUISHER
- 10.407 FIRE ALARM UPGRADES THROUGHOUT, S.F.A.D.
- 22.410 D.A. DRINKING FOUNTAIN WITH BOOT THE WATER DISPENSER, S.P.D. AND DETAIL 22.418 UTILITY SINK; FOR FIXTURE ATTACHMENT BLOCKING SEE DETAIL
- 23.103 MECHANICAL UNIT, S.M.D. 23.106 NEW HVAC CONTROLS THROUGHOUT. S.M.D.

### WHEELCHAIR SEATING SPACES **LECTURE HALL**

WHEELCHAIR SEATING SPACES | WHEELCHAIR SEATING | CAPACITY REQUIRED PER CBC 11B-221.2 SPACES PROVIDED

### **GRAPHIC KEY**

(E) WOOD FRAME WALL TO REMAIN (E) CONCRETE WALL TO REMAIN

(E) 1-HOUR RATED WALL TO REMAIN 1-HOUR RATED WALL

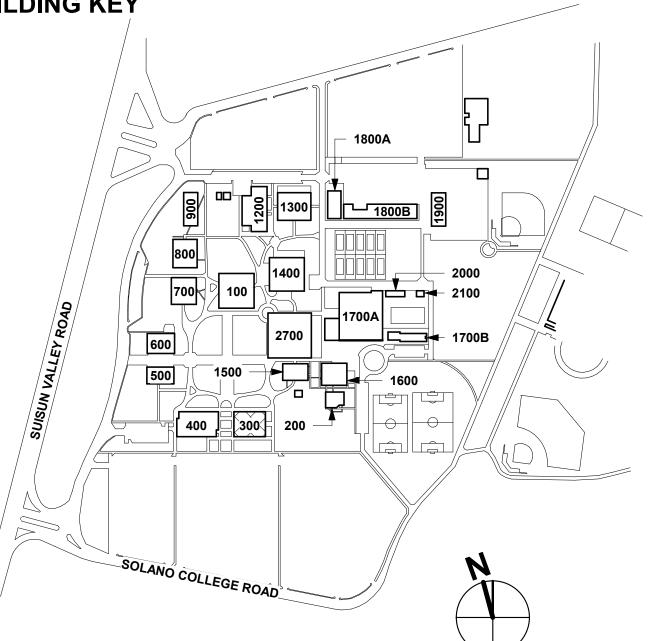
WALL TYPE, REFER TO SHEET A9.01 FOR WALL TYPE DESCRIPTION, FIRE RATING LISTING, AND SOUND RATING WHERE APPLICABLE, TYP. STUD WALL; REFER TO WALL TYPES ON SHEET A9.01 30" X 48" CLEAR FLOOR SPACE

DOOR SIGNAGE. SEE DOOR SCHEDULE ON SHEET A10.01 (E) SEMI-RECESSED FIRE EXTINGUISHER CABINET (E) WALL-MOUNTED FIRE EXTINGUISHER F.E. (N) WALL-MOUNTED FIRE EXTINGUISHER

FIRE EXTINGUISHER AND FIRE EXTINGUISHER CABINETS

### **BUILDING KEY**

BUILDINGS IN SCOPE



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 02/17/2023

architects

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

PROJECT

Solano CCD BLDG 300 Modernization



COMMUNITY COLLEGE

SOLANO COMMUNITY COLLEGE DISTRICT CONSULTANT



DSA FILE NUMBER

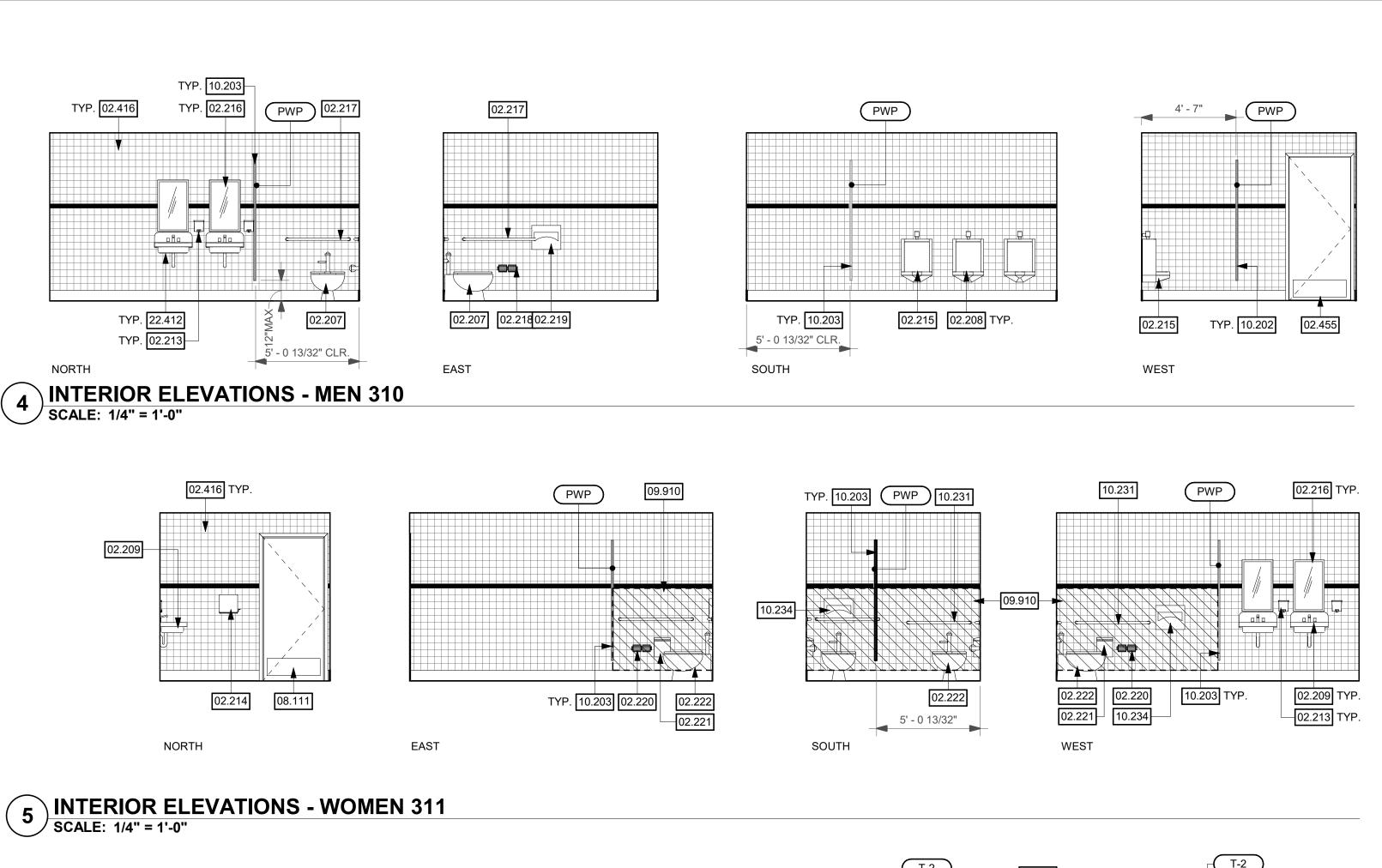
02-120607 REVISIONS

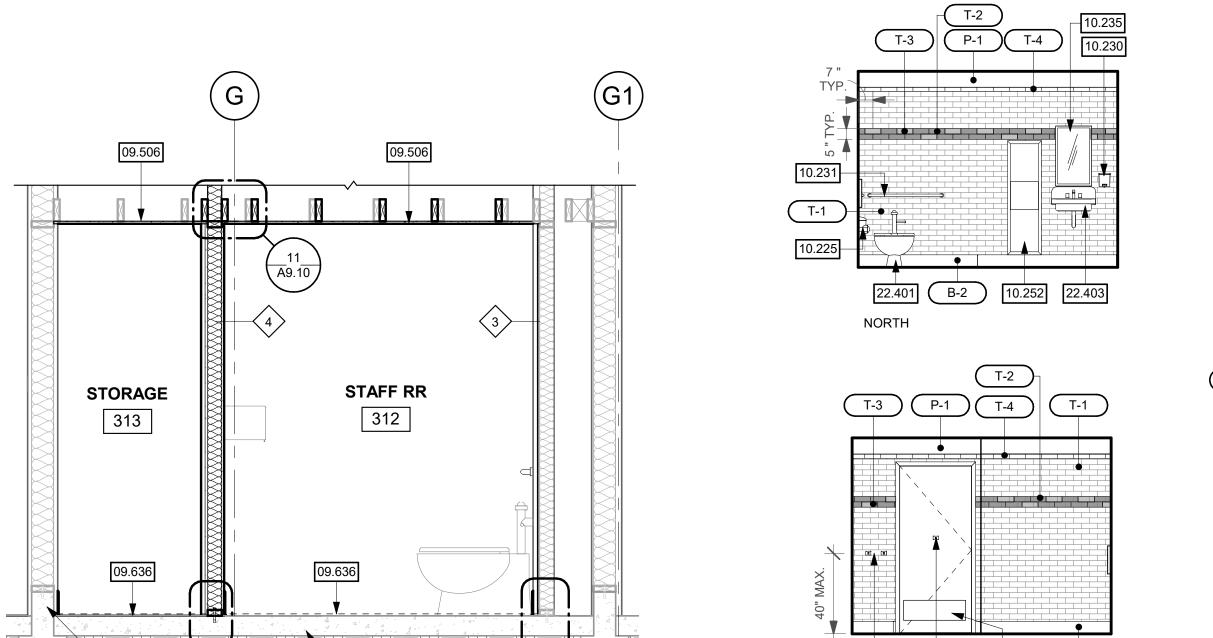
**MILESTONES** 

06.17.2022 08.12.2022 09.05.2022 50% CD 90% CD 10.11.2022 DSA SUB 10.28.2022 DSA BACKCHECK 02.21.2023

**NEW FLOOR PLAN** 

02.21.2023





7 SECTION A - ACC. STAFF RESTROOM 312 SCALE: 1/2" = 1'-0"

E) SLAB

**INTERIOR ELEVATIONS -**6 UNISEX ACCESSIBLE STAFF RESTROOMS 312 SCALE: 1/4" = 1'-0"

B-2

10.255 10.256 10.254

SOUTH

T-3 P-1 T-4

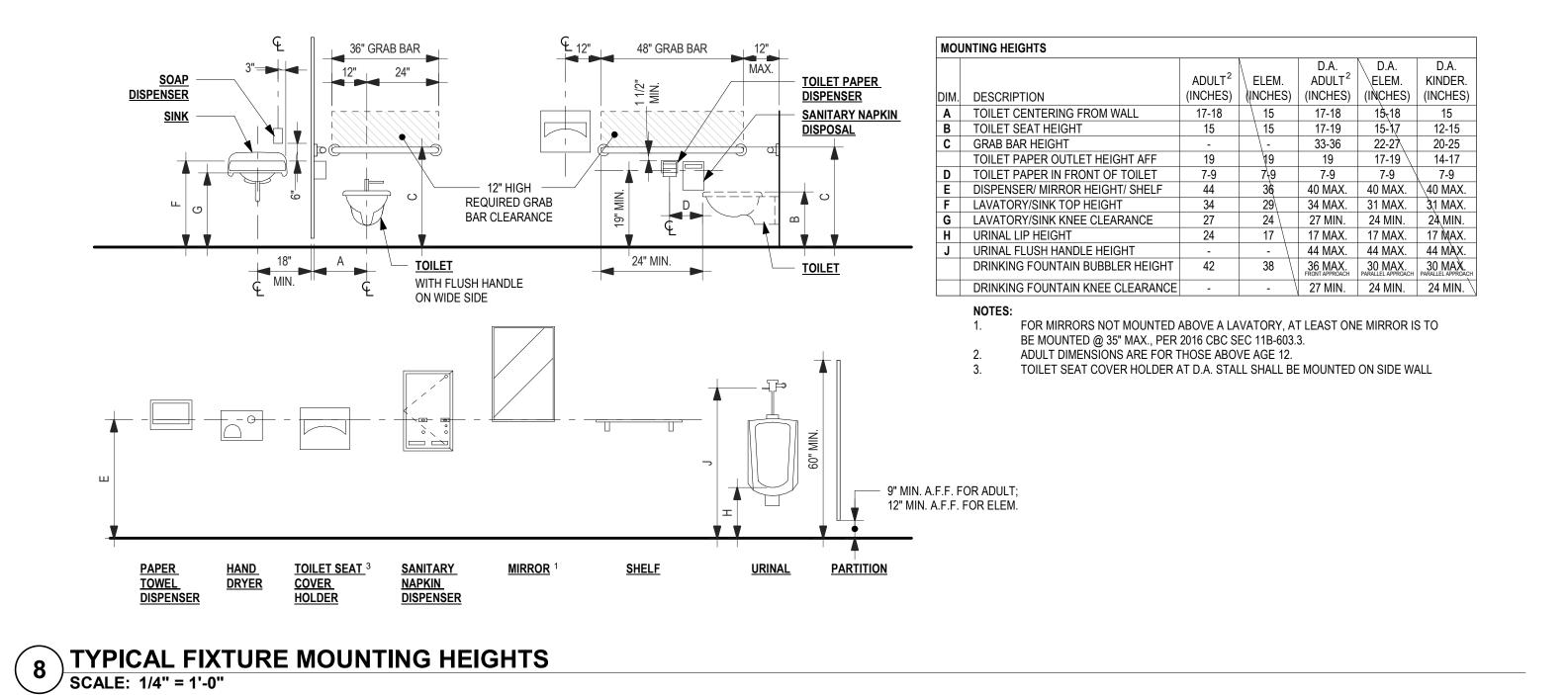
P-1 10.231 T-4

10.234 10.233 22.401

B-2 10.243

EAST

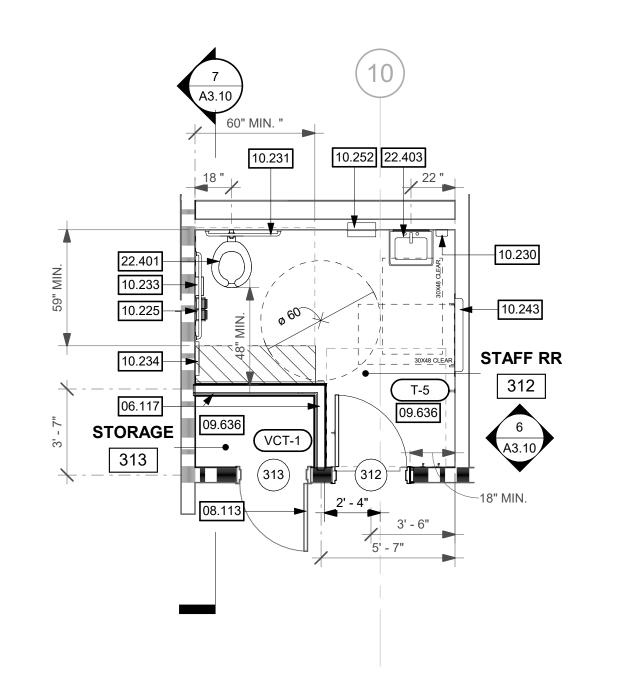
WEST



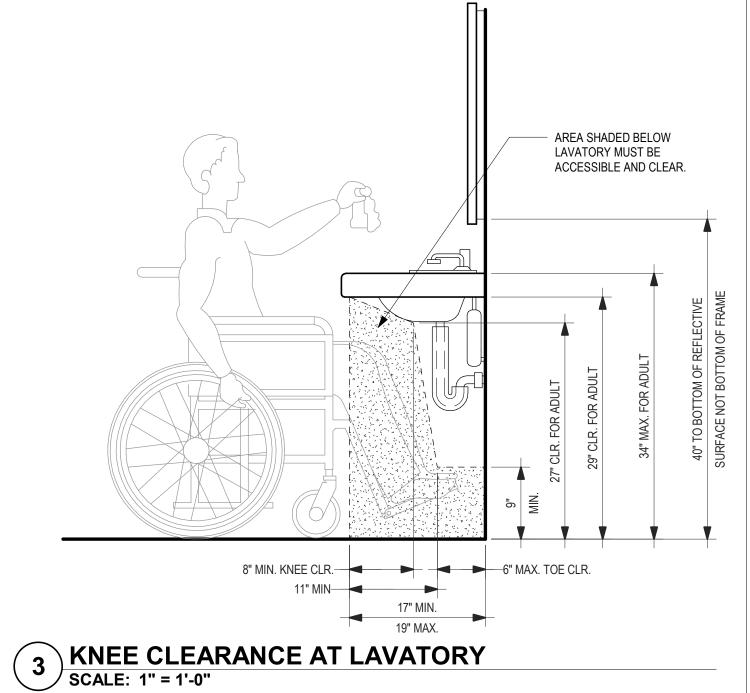
TYP. 02.209 TYP. 02.213 10.234 10.231 10.226 10.233 02.222 TYP. 02.213

TYP. 02.209 **MEN RR** 310 4 A3.10 5' - 0"

1 ENLARGED RESTROOM PLANS - 310, 311 SCALE: 1/4" = 1'-0"



2 ENLARGED PLAN - ACC. STAFF RESTROOM 312 (SCALE: 1/4" = 1'-0"



### **GENERAL SHEET NOTES**

- A REFER TO FINISH SCHEDULE FOR INTERIOR FINISHES NOT SHOWN ON ELEVATIONS.
- B PROVIDE 6" CONCRETE CURB AT ALL EXTERIOR WALLS AND TOILET ROOM WALLS.
- C ALL TOILET ROOM STUD WALLS SHALL HAVE NEW SOUND ATTENUATION INSULATION.
- PROVIDE WALL BLOCKING AT ALL TOILET FIXTURE AND ACCESSORY MOUNTING LOCATIONS. SEE TYPICAL BACKING AND BLOCKING DETAILS.
- FOR TOILET ROOM FIXTURE MOUNTING HEIGHTS, SEE TYPICAL FIXTURE MOUNTING HEIGHTS
- FOR SHOWER STALL FIXTURE MOUNTING HEIGHTS, SEE FIXTURE MOUNTING HEIGHTS @ ACCESSIBLE SHOWER STALL DETAIL.
- WATER SUPPLY AND DRAIN PIPES ACCESSIBLE UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE OBJECTS OR SURFACES UNDER LAVATORIES, TYP.
- H ALL ITEMS REFERENCED IN KEYNOTES ARE TO BE PROVIDED NEW, U.O.N.
- WHERE SLAB IS TO BE SAW CUT FOR NEW OR EXISTING FIXTURES, REFER TO DETAIL 15/A9.10 FOR CONCRETE SLAB REPAIRS

### **ENLARGED PLAN KEYNOTES**

02.207 (E) WATER CLOSET 02.208 (E) URINAL 02.209 (E) D.A. LAVATORY

02.216 (E) MIRROR

02.213 (E) SOAP DISPENSER 02.214 (E) PAPER TOWEL DISPENSER 02.215 (E) D.A. URINAL

02.217 (E) GRAB BAR 02.218 (E) TOILET PAPER DISPENSER

02.219 (E) SEAT COVER DISPENSER 02.220 (E) REINSTALL (E) TOILET PAPER DISPENSER PER TYPICAL FIXTURE MOUNTING HEIGHT 8 / A3.10 02.221 (E) REINSTALL (E) SANITARY NAPKING DISPENSER PER TYPICAL FIXTURE MOUNTING HEIGHT 8 / A3.10

02.416 (E) CERAMIC TILE TO REMAIN 02.455 (E) KICKPLATE

02.222 (E) D.A. WATER CLOSET

06.117 NEW 2x4 DFL#2 WALL STUDS @ 16" O.C. 7 / A9.01, 9 / A9.01,10 / A9.01,13 / A9.01, & 15 / A9.01 08.111 PROVIDE 10" MIN. KICK PLATE COVERING WIDTH OF DOOR ON THE PUSH SIDE

08.113 REUSE (E) DOOR; PROVIDE (N) DOOR HARDWARE. SEE DOOR SCHEDULE

09.506 GYPSUM BOARD CEILING, SEE DETAIL 11 / A9.10 09.910 INSTALL TILE O/ THINSET O/ BACKER BOARD WHERE TILE HAS BEEN REMOVED; CONTRASTING

COLOR OF CERAMIC SUBWAY TILE TBD; SEE DETAIL 8 / A3.10 & 8 / A9.10

10.202 FLOOR MOUNTED, OVERHEAD BRACED, SOLID COLOR REINFORCED COMPOSITE SUBSTRATE URINAL SCREEN. SEE DETAIL 6 / A9.10

10.203 FLOOR MOUNTED, OVERHEAD BRACED, SOLID COLOR REINFORCED COMPOSITE SUBSTRATE TOILET COMPARTMENT. SEE DETAIL 6 / A9.10 10.225 STAINLESS STEEL DOUBLE-ROLL TOILET TISSUE ROLL DISPENSER. FOR MOUNTING HEIGHTS SEE

DETAIL 8 / A3.10 10.226 STAINLESS STEEL SINGLE ROLL ADA TOILET TISSUE ROLL DISPENSER. FOR MOUNTING HEIGHTS

SEE DETAIL 8 / A3.10 10.230 STAINLESS STEEL SOAP DISPENSER. FOR MOUNTING HEIGHTS SEE DETAIL 8 / A3.10

10.231 STAINLESS STEEL 1 1/2" DIAMETER GRAB BAR, 36" LONG AT BACK AND 42" LONG AT SIDE WALL. FOR MOUNTING HEIGHTS AND ANCHORAGE DETAILS SEE 8 / A3.10 & 10 / A9.10

10.233 STAINLESS STEEL SURFACE MOUNTED SANITARY NAPKIN DISPOSAL UNIT. FOR MOUNTING HEIGHTS SEE DETAIL 8 / A3.10

10.234 STAINLESS STEEL SURFACE MOUNTED SEAT-COVER DISPENSER. FOR MOUNTING HEIGHTS SEE **DETAIL 8 / A3.10** 

10.235 MIRROR UNIT WITH STAINLESS STEEL ANGLE FRAME. REFER TO DETAILS 8 / A3.10 & 4 / A9.10 10.243 DIAPER-CHANGING STATION. FOR ANCHORAGE SEE DETAIL 16 / A9.10 10.247 REPLACE (E ) STALL HARDWARE FOR AN ACCESSIBLE U-PULL ON BOTH SIDES WITH SLIDING LOCK

10.249 STALL DOOR WITH SELF CLOSING HINGES 10.252 RECESSED COMBINATION PAPER TOWEL DISPENSER AND TRASH RECEPTABLE. FOR MOUNTING HEIGHTS SEE DETAIL 8 / A3.10

10.254 STAINLESS STEEL KICKPLATE

10.255 SURFACE-MOUNTED UTILITY HOOK, PROVIDE BLOCKING PER DETAIL 8 / A9.10 10.256 COAT HOOK WITH BUMPER

22.401 D.A. WATER CLOSET, S.P.D. AND SEE TYPICAL FIXTURE MOUNTING HEIGHTS DETAIL 8 / A3.10 22.403 D.A. WALL-MOUNTED UTILITY LAVATORY, S.P.D. AND SEE TYPICAL FIXTURE MOUNTING HEIGHTS 22.412 WALL-MOUNTED UTILITY LAVATORY, S.P.D. AND SEE TYPICAL FIXTURE MOUNTING HEIGHTS

### **DETAIL 8 / A3.10 FINISH LEGEND**

P-1 PAINT INTERIOR COLOR -B-2 6" WHITE SANITARY COVE BASE, DALTILE ARTIC WHITE 0190, SHAPE# S3619, SEE DTL. 12 / A9.01

T-1 3x6, DALTILE ARTIC WHITE 0190 T-2 3x6, ACCENT 1, DALTILE 1469

T-3 3x6, ACCENT 2, DALTILE 0148

T-4 2X6, BULLNOSE, DALTILE ARTIC WHITE 0190, SHAPE# A4200

T-5 12x24 FLOOR TILE

NOTE: SEE FINISH SCHEDULE ON SHEET A11.01 FOR ALL FINISHES AND COLORS



REMOVE AREA OF (E) TILE DOWN TO STUDS; PROVIDE TILE O/ THINSET O/ BACKERBOARD

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 02/17/2023

architects

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

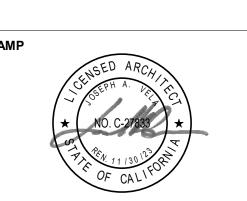
PROJECT

Solano CCD BLDG 300 Modernization



COMMUNITY COLLEGE SOLANO COMMUNITY COLLEGE DISTRICT

CONSULTANT



DSA FILE NUMBER 02-120607 APPL#

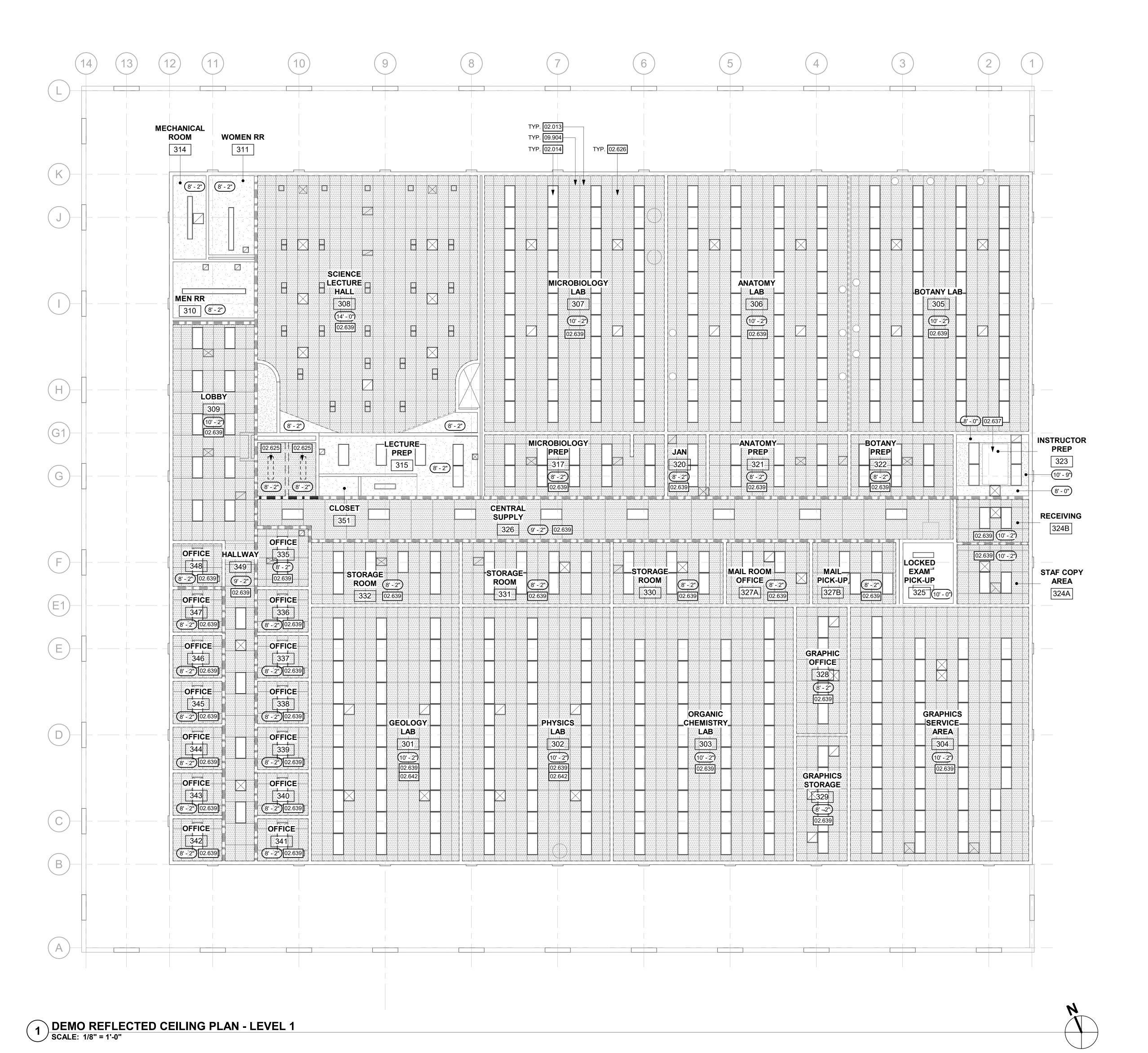
REVISIONS

**MILESTONES** 

06.17.2022 08.12.2022 09.05.2022 50% CD 90% CD 10.11.2022 DSA SUB 10.28.2022 DSA BACKCHECK 02.21.2023

ENLARGED RESTROOM PLANS & ELEVATIONS

DATE 02.21.2023



- A ROOM NAMES OR NUMBERS MAY NOT BE CONSISTENT BETWEEN DEMOLITION AND NEW PLANS.
- B REFER TO, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EXTENT OF MECHANICAL, PLUMBING, AND ELECTRICAL WORK.
- C REFER TO FINISH SCHEDULE ON SHEET A11.01 FOR CEILING FINISHES NOT SHOWN.
- F ALL ITEMS REFERENCED IN KEYNOTES ARE TO BE PROVIDED NEW, U.O.N.

REFLECTED CEILING PLAN KEYNOTES

02.626 REMOVE (E) ACCOUSTICAL CEILING TILE. KEEP THE (E) GRID.

02.639 DEMOLISH (E) CEILING TILES. (E) CEILING GRID TO REMAIN

02.642 PROTECT (E) STENCIL PAINTING DURING CONSTRUCTION

(E) 2'-0" x 4'-0" A.C.T. CEILING TILES TO BE REMOVED

(E) CEILING GRID TO REMAIN

(E) CEILING TILES TO BE REMOVED

02.013 (E) ACOUSTICAL CEILING GRID TO REMAIN 02.014 (E) LIGHTING FIXTURES TO REMAIN U.O.N.

09.904 CLEAN AND PAINT (E ) CEILING GRID, TYP.

(E) GYPSUM BOARD CEILING TO REMAIN

(E) GYPSUM BOARD CEILING TO BE REMOVED

**MECHANICAL SYMBOLS** 

**EXHAUST** 

02.625 REMOVE (E) LIGHT FIXTURE, S.E.D.

02.637 (E) SKYLIGHT TO REMAIN

**GRAPHIC KEY** 

APP: 02-120607 INC: REVIEWED FOR ss 🗹 fls 🗹 acs 🗹 tects www.aedisarchitects.com 387 S. 1st Street, Suite 300

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC

> San Jose, CA 95113 tel: (408)-300-5160 fax: (408)-300-5121

Solano CCD BLDG 300 Modernization

PROJECT

SOLANO COMMUNITY

COLLEGE DISTRICT

CONSULTANT

STATE

REVISIONS No. Description Date

MILESTONES

**ELECTRICAL SYMBOLS** SURFACE MOUNTED LIGHT FIXTURE

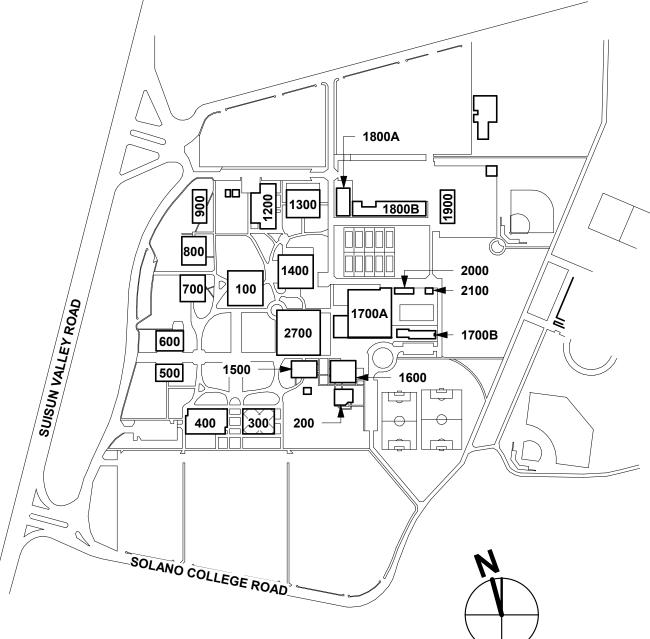
(E) MECHANICAL REGISTERS TO REMAIN, U.O.N.

RÉFER TO MECHANICAL DRAWINGS

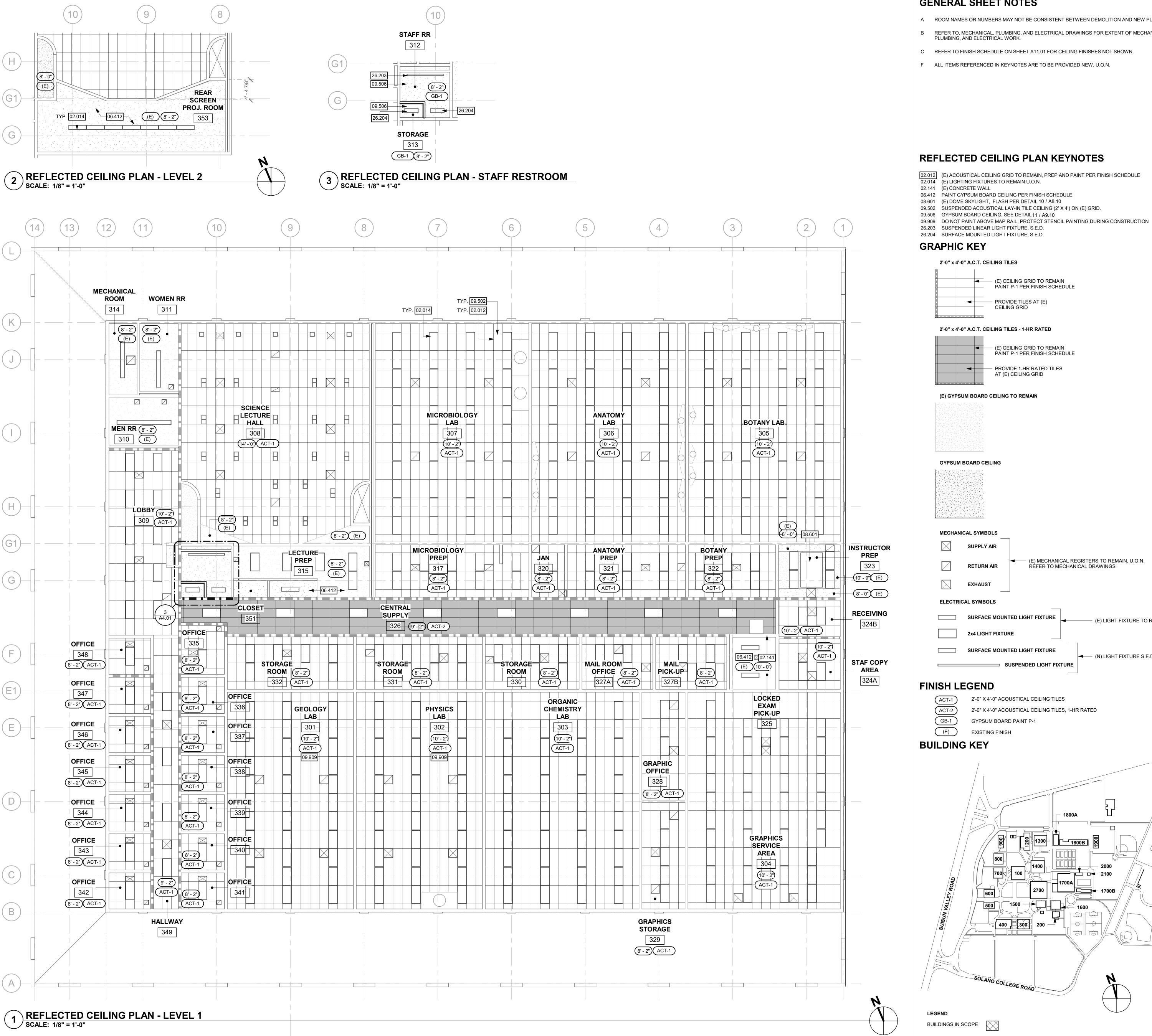
**◄** (E) LIGHT FIXTURE TO REMAIN, U.O.N. 2x4 LIGHT FIXTURE

**BUILDING KEY** 

BUILDINGS IN SCOPE



DD 50% CD 90% CD SHEET **DEMO** REFLECTED **CEILING PLAN** 02.21.2023 2022012



2'-0" x 4'-0" A.C.T. CEILING TILES

- A ROOM NAMES OR NUMBERS MAY NOT BE CONSISTENT BETWEEN DEMOLITION AND NEW PLANS.
- B REFER TO, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EXTENT OF MECHANICAL, PLUMBING, AND ELECTRICAL WORK.
- C REFER TO FINISH SCHEDULE ON SHEET A11.01 FOR CEILING FINISHES NOT SHOWN.

— (E) CEILING GRID TO REMAIN PAINT P-1 PER FINISH SCHEDULE

(E) CEILING GRID TO REMAIN PÁINT P-1 PER FINISH SCHEDULE

PROVIDE 1-HR RATED TILES

(E) MECHANICAL REGISTERS TO REMAIN, U.O.N.

– (E) LIGHT FIXTURE TO REMAIN, U.O.N

→ (N) LIGHT FIXTURE S.E.D.

RÉFER TO MECHANICAL DRAWINGS

AT (E) CEILING GRID

PROVIDE TILES AT (E)

CEILING GRID

2'-0" x 4'-0" A.C.T. CEILING TILES - 1-HR RATED

(E) GYPSUM BOARD CEILING TO REMAIN

**GYPSUM BOARD CEILING** 

**MECHANICAL SYMBOLS** 

**ELECTRICAL SYMBOLS** 

SURFACE MOUNTED LIGHT FIXTURE

SURFACE MOUNTED LIGHT FIXTURE

SUSPENDED LIGHT FIXTURE

GYPSUM BOARD PAINT P-1

2'-0" X 4'-0" ACOUSTICAL CEILING TILES

2'-0" X 4'-0" ACOUSTICAL CEILING TILES, 1-HR RATED

F ALL ITEMS REFERENCED IN KEYNOTES ARE TO BE PROVIDED NEW, U.O.N.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC

REVIEWED FOR

SS 🗹 FLS 🗹 ACS 🗹

APP: 02-120607 INC:

DATE: <u>02/17/2023</u>

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

PROJECT

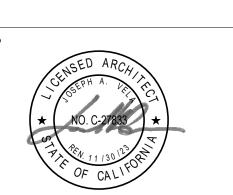
Solano CCD BLDG 300 Modernization



COMMUNITY COLLEGE

SOLANO COMMUNITY COLLEGE DISTRICT

CONSULTANT



DSA FILE NUMBER 02-120607

REVISIONS

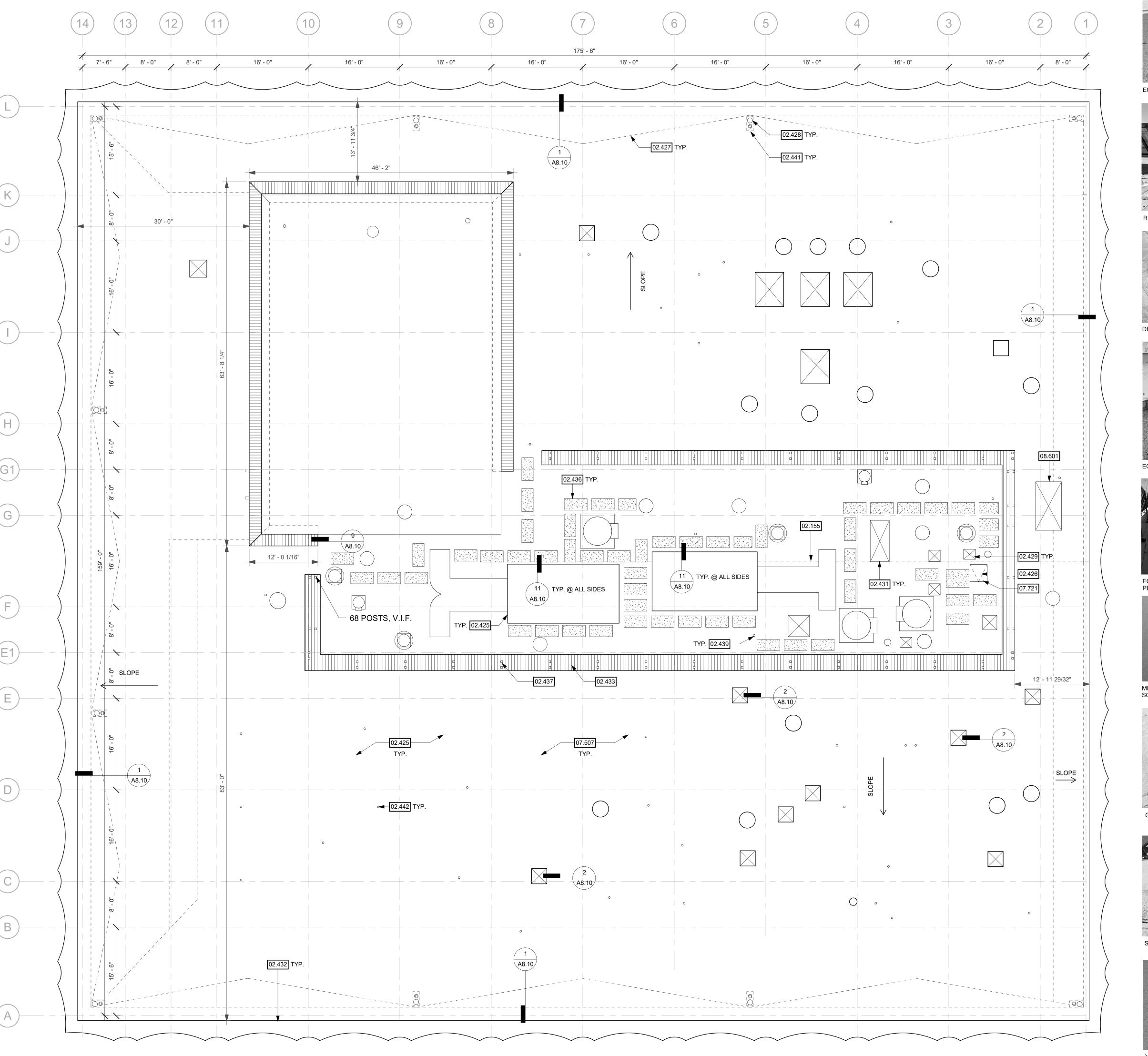
MILESTONES 06.17.2022 08.12.2022 09.05.2022 50% CD 90% CD 10.11.2022 DSA SUB 10.28.2022

02.21.2023

DSA BACKCHECK

PROPOSED REFLECTED **CEILING PLAN** 

02.21.2023 2022012



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



EQUIPMENT CURB WITH LEGS, TYP.



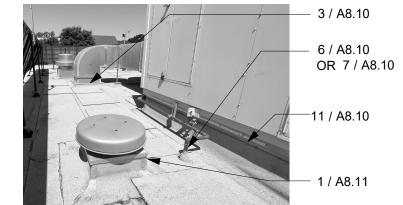
ROOF HATCH AND EQUIPMENT CURB, TYP.



DRAIN, TYP.



EQUIPMENT CURB AND FASTENING, TYP.



EQUIPMENT CURB AND PIPE PENETRATION, TYP.

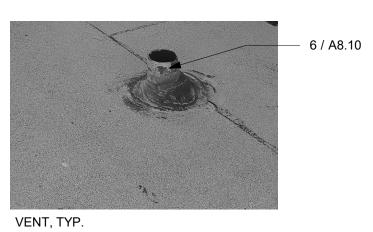


MECHANICAL SCREEN BASE WITH SQUARE TUBE STANCHION TYP.



GLASS VENT, TYP.







- A REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR EXTENT OF MECHANICAL, PLUMBING, AND ELECTRICAL WORK.
- B ALL EXPOSED SHEET METAL SHALL BE KYNAR COATED ALUMINUM OR STAINLESS STEEL.
- C ALL TAPERED CRICKETS TO BE NEW.
- D CONTRACTOR IS RESPONSIBLE FOR STAGING, FENCING AND SECURITY OF ALL MATERIALS AND
- SIZE OF MECHANICAL EQUIPMENT PADS ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL
- VERIFY REQUIRED PAD DIMENSION WITH EQUIPMENT MANUFACTURER. ROOF CRICKETS, WHERE INDICATED, SHALL BE PROVIDED AS REQUIRED TO ENSURE A MINIMUM

1/4" PER FOOT VALLEY SLOPE. COORDINATE LOCATIONS OF CRICKETS WITH ROOFTOP

PROVIDE PRECAST CONCRETE SPLASH BLOCK AT ALL EXISTING AND NEW DOWNSPOUT THAT ARE DAYLIGHTED TO PAVEMENT AND LANDSCAPED AREAS. SPLASH BLOCKS TO SLOPE AWAY FROM BUILDING. AVOID PLACEMENT OF SPLASH BLOCKS WHERE IT DIRECTLY INTERFERES WITH PATH OF TRAVEL OR POSES A HAZARD. SPLASH BLOCKS TO HAVE MINIMUM DIMENSION OF 20" L X

12"WX 3" H. PROVIDE CUT SHEETS AND SAMPLE OF SPLASH BLOCK AS PART OF SUBMITTAL

- WHENEVER POSSIBLE, REUSE BLOCKING AT MECHANICAL EQUIPMENT CURBS. REPLACE BLOCKING IN KIND WHEN TOO DAMAGED TO REUSE.
- ALL ITEMS REFERENCED IN KEYNOTES ARE TO BE PROVIDED NEW, U.O.N.
- CONTRACTOR IS REQUIRED TO NOTIFY THE OWNER, IT'S REPRESENTATIVE & ARCHITECT PRIOR TO DISCONNECTING ANY EXISTING EQUIPMENT AND/OR UTILITY LINES. PROVIDE MINIMUM OF 48 HOURS WRITTEN NOTICE PRIOR TO DISCONNECTING.
- IT IS THE CONTRACTORS RESPONSABILITY TO NOTIFY THE OWNER, OWNERS REPRESENTATIVE & ARCHITECT OF ANY EXISTING DEFORMITIES SUCH AS MOLD, DRY ROT ETC. STRUCTURAL DEFICIENCIES IN EXISTING STRUCTURE REVEALED DURING THE DEMOLITION PHASE WILL NEED TO ADDRESSED BY THE STRUCTURAL ENGINEER AND MAY REQUIRE APPROVAL OF DIVISION OF STATE ARCHITECT (DSA). IN SUCH CASES, CONTRACTOR IS REQUIRED TO PROCEED WITH THAT PORTION OF WORK ONLY AFTER WRITTEN APPROVAL BY THE STRUCTURAL ENGINEER AND/OR DSA. THIS DETERMINATION WILL BE MADE BY THE ARCHITECT AND ITS ENGINEER AND THE CONTRACTOR WILL BE PROVIDED A WRITTEN DIRECTIVE ON REMEDYING THE DEFICIENCY. ANY WORK CARRIED OUT PRIOR TO OR WITHOUT APPROVAL OF ENGINEER OR DSA (AS CASE MAY BE), WILL BE AT RISK. THE OWNER, ITS REPRENSENTATIVE AND THE ACHITECT (AND ITS ENGINEER) WILL NOT BE RESPONSIBLE FOR ANY COSTS INCURRED FOR NON-COMPLIANT WORK CARRIED OUT WITHOUT THE EXPRESS APPROVAL OF THE ENGINEER OR DSA.
- REMOVE EXISTING BUILT UP ROOF TO EXISTING SLOPED PLYWOOD SHEATHING. CLEAN ROOF AND REMOVE ANY DEBRIS, NAILS AND OTHER APPURTENANCES PRIOR TO INSTALLING NEW
- M CONTRACTOR IS REQUIRED TO VERIFY ALL DIMENSIONS, EXISTING EQUIPMENT AND CONDITIONS ON THE ROOF.
- N EXISTING TILE ROOF MANSARD TO REMAIN
- O ALL EXISTING PIPING, CONDUITS, OR STRUCTURAL PENETRATIONS THROUGH ROOF ARE TO BE FLASHED PER NATIONAL ROOFING CONTRACTORS ASSOCIATION STANDARD DETAILS.
- ROOF CRICKETS, WHERE INDICATED, SHALL BE PROVIDED AS REQUIRED TO ENSURE A MINIMUM 1/4" PER FOOT VALLEY SLOPE. COORDINATE LOCATIONS OF CRICKETS WITH ROOFTOP
- Q CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF ALL EQUIPEMENT TO REMAIN INCLUDING UTILITY LINES AND OTHER DEVICES EXISTING ON THE ROOF.

### **ROOF PLAN KEYNOTES**

**BUILDING KEY** 

BUILDINGS IN SCOPE

TREAT AS TYPICAL

PENETRATION TO

FABRICATED SPLIT

**SQUARE** TUBULAR

STANCHION, SEE

BE FLASH WITH

PIPE SEAL FOR

OR 7 / A8.10

02.155 (E) RIDGE
02.425 REMOVE (E) BUILT-UP ROOF ASSEMBLY DOWN TO (E) STRUCTURAL DECKING, TYP. THROUGHOUT FULLY ADHÉRE 80 MIL. TPO ROOFING SYSTEM ON COVERBOARD, TYP. THROUGHOUT.

02.426 (E) ROOF HATCH TO REMAIN. FLASH PER DETAIL 02.427 (E) SLOPED PLYWOOD CRICKET, TYP. MIN. 1/4" SLOPE TOWARDS DRAIN & RIDGE MIN. 2" ABOVE DŔAIN RIM, V.I.F.

02.428 NEW COMBINATION ROOF DRAIN WITH OVERFLOW, TYP. VERIFY QUANTITY IN THE FIELD. PROTECT DURING CONSTRUCTION & FLUSH AT COMPLETETION OF WORK. SEE DETAIL 5 / A8.11

02.429 (E) ROOF MOUNTED EQUIPMENT TO REMAIN. PROTECT IN PLACE. TYP. 02.431 (E) CURB MOUNTED EQUIPMENT TO REMAIN. VERIFY QUANTITY IN THE FIELD. REFER TO DETAIL PÉR TYPE OF EQUIPEMENT, SEE PHOTOS OF EXISTING TYPE OF EQUIPEMENT ON THE PLAN.

02.432 EDGE OF CONCRETE TILE ROOF BELOW, CLEAN TILE 02.433 (E) MECHANICAL SCREEN TO REMAIN, TYP.

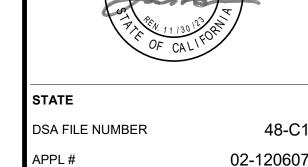
02.436 WALKING PADS, TYP. LOCATE AS SHOWN. APPLY PER MFR'S INSTRUCTIONS

02.437 (E) MECHANICAL SCREEN STANCHIONS, TYPICAL OF 68, VERIFY QUANTITY IN THE FIELD. FLASH WITH CUSTOM PREFABRICATED SQUARE TUBE SPLIT WRAP PER DETAIL 3 / A8.11 02.439 (E) PLUMBING VENT, VERIFY QUANTITY IN THE FIELD. REFER TO DETAIL 7 / A8.10

02.441 DEMO (E) ROOF DECK AT DRAIN AND OVERFLOW LOCATIONS. FRAME FOR NEW SUMPS, TYP. SEE 02.442 (E) GLASS VENT TO REMAIN, FLASH PER DETAIL 7 / A8.11

07.507 FULLY ADHERE 80 MIL. TPO ROOFING SYSTEM (CLASS A) ON COVERBOARD, TYP. THOUGHOUT. 8 / A8. 07.721 PROVIDE NEW STEEL LADDER UP SAFETY POST. BILCO LU-1 OR EQUAL. INSTALL PER

MANUFACTURER'S REQUIREMENTS 2 / A8.11 08.601 (E) DOME SKYLIGHT, FLASH PER DETAIL 10 / A8.10



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC

REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

architects

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

tel: (408)-300-5160

fax: (408)-300-5121

Solano CCD BLDG 300

COMMUNITY COLLEGE

SOLANO COMMUNITY

COLLEGE DISTRICT

CONSULTANT

APP: 02-120607 INC:

PROJECT

REVISIONS

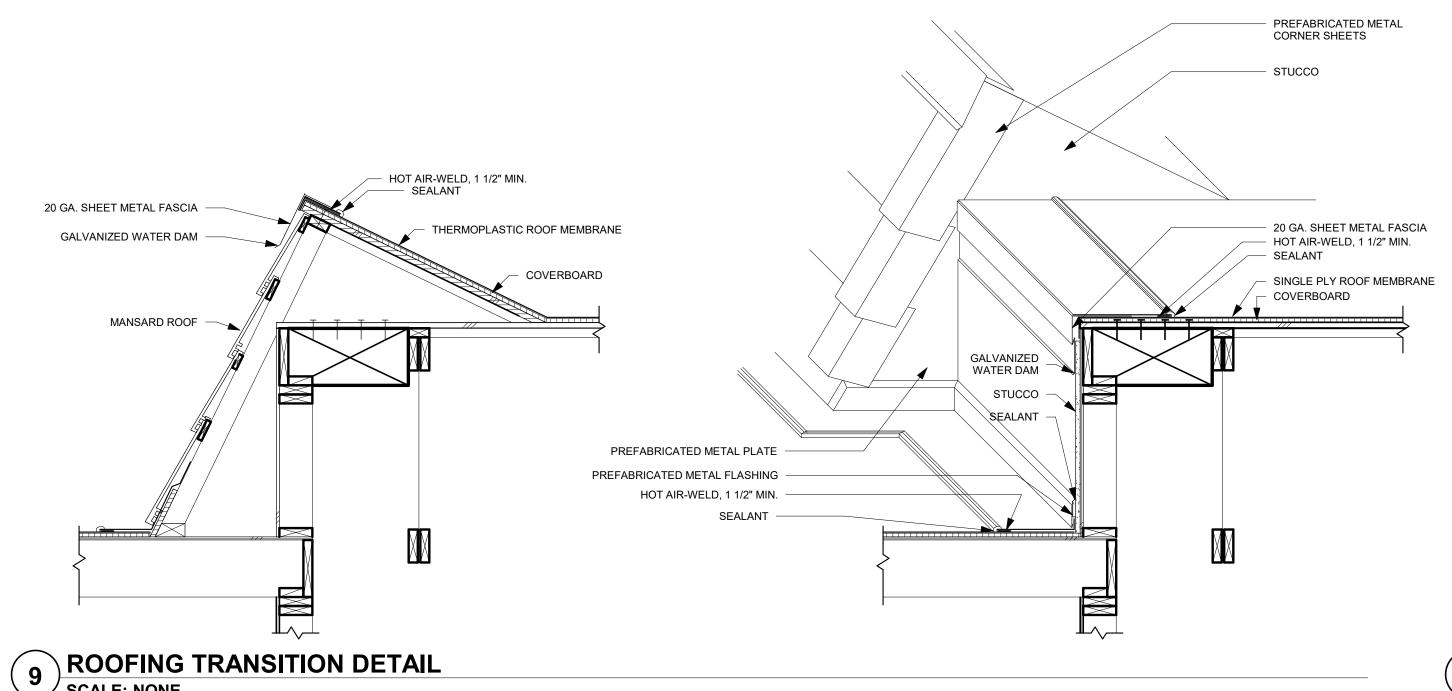
MILESTONES 06.17.2022 08.12.2022 09.05.2022 10.11.2022 DSA SUB 10.28.2022 02.21.2023

**ROOF PLAN** 

DSA BACKCHECK

02.21.2023 2022012





SKYLIGHT FRAME. SET IN FULL

TAMPER-PROOF #10 x 3" SELF-TAPPING CADMIUM PLATED -

SCREWS @ 12" O.C., TYP.

METAL COUNTERFLASHING -

SINGLE PLY ROOF MEMBRANE OVER BONDING ADHESIVE

TERMINATION BAR

CANT STRIP.

10 FLASHING @ (E) DOME SKYLIGHT CURB SCALE: 1 1/2" = 1'-0"

SEALANT

FLASHING

NAIL-IN

METAL COUNTER

**TERMINATION BAR** 

TERMINATION BAR

MECHANICAL TERMINATION WITH COUNTER FLASHING SCALE: 1 1/2" = 1'-0"

TPO MEMBRANE

(E) DOME SKYLIGHT

- COVERBOARD

(E) ROOF JOISTS

PENETRATION, TYP — GYP. BD., PAINT TYP.

"SIMPSON A24" @ 24" O.C. MIN. (2) PER CURB w/ 1/2" x 3" LAG BOLTS FULL

1. APPLY ON HARD SMOOTH SURFACE

2. DO NOT WRAP TERMINATION BAR

AROUND CORNERS.

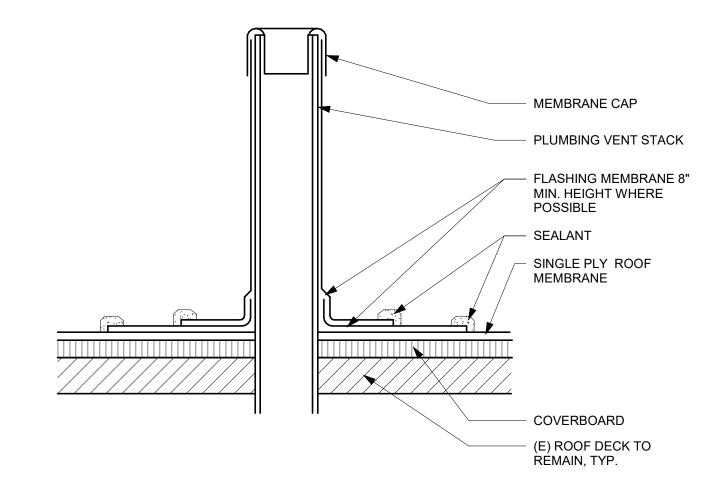
ONLY; NOT FOR USE ON EXPOSED WOOD.

BED OF SEALANT.

WATER CUT-OFF MASTIC

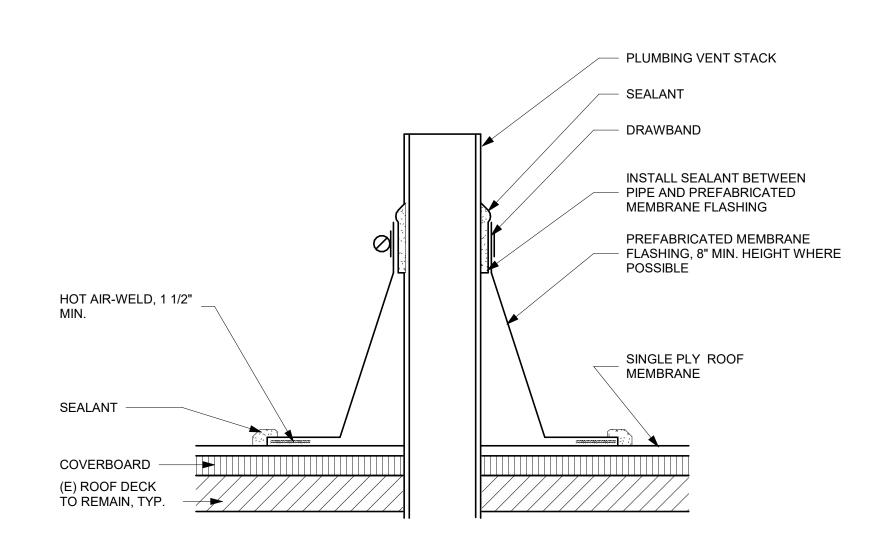
SET BOLTS IN SEALANT SET NEOPRENE PAD IN SEALANT 20 GA.SHEET METAL COVER GASKETED FASTENERS FLASHING MEMBRANE 8" MIN. HEIGHT WHERE POSSIBLE. SEALANT SINGLE PLY ROOF SEAM PLATES AND MEMBRANE **FASTENERS** COVERBOARD (E) ROOF DECK TO REMAIN, TYP. (E) WOOD CURB TO REMAIN, TYP.

5 EQUIPMENT SUPPORT CURB, REFERENCE TO NRCA TP-9S SCALE: NONE

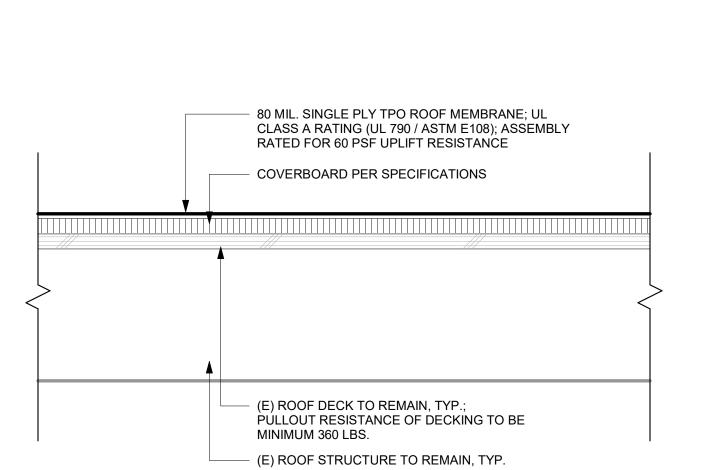


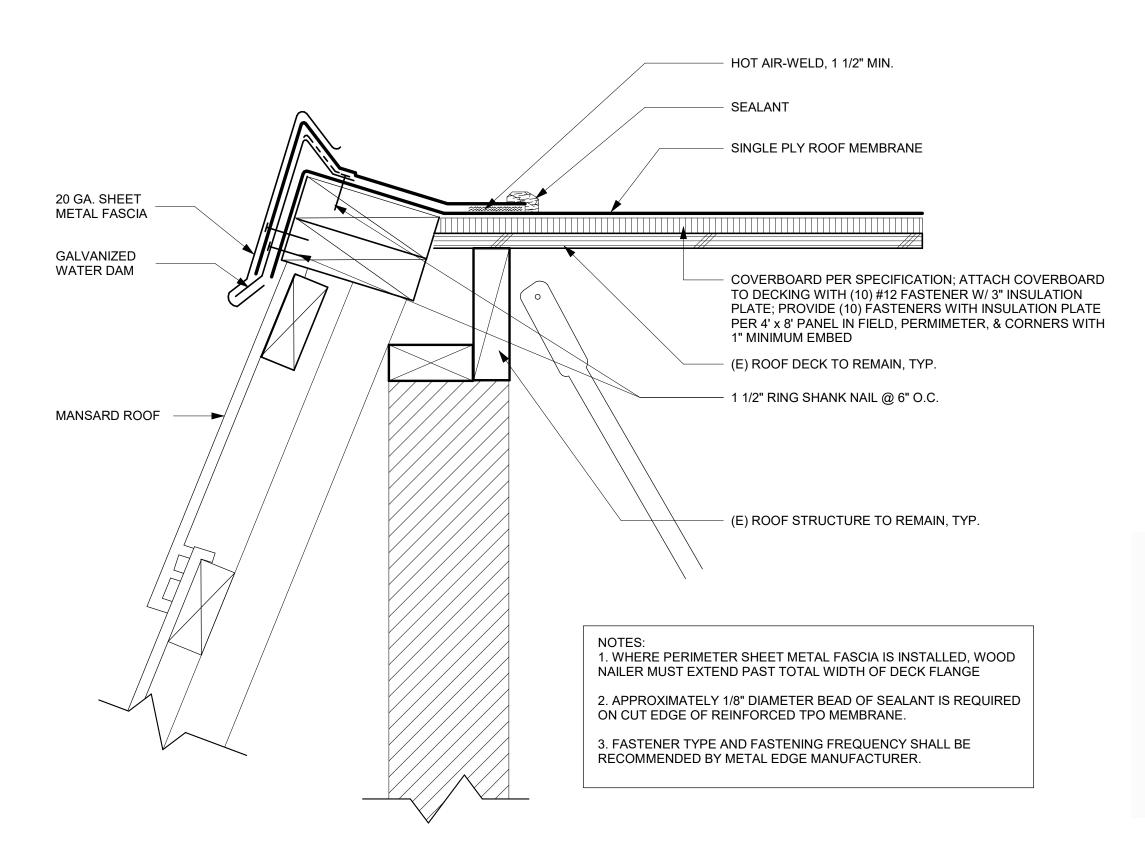
1. VENT STACKS AND OTHER PIPES SHOULD HAVE A MINIMUM OF 12" OF CLEARANCE ON ALL SIDES FROM WALLS, CURBS, AND OTHER PROJECTIONS TO FACILITATE PROPER FLASHING.

6 PLUMBING VENT (FIELD WRAP), REFERENCE TO NRCA TP-18S SCALE: NONE

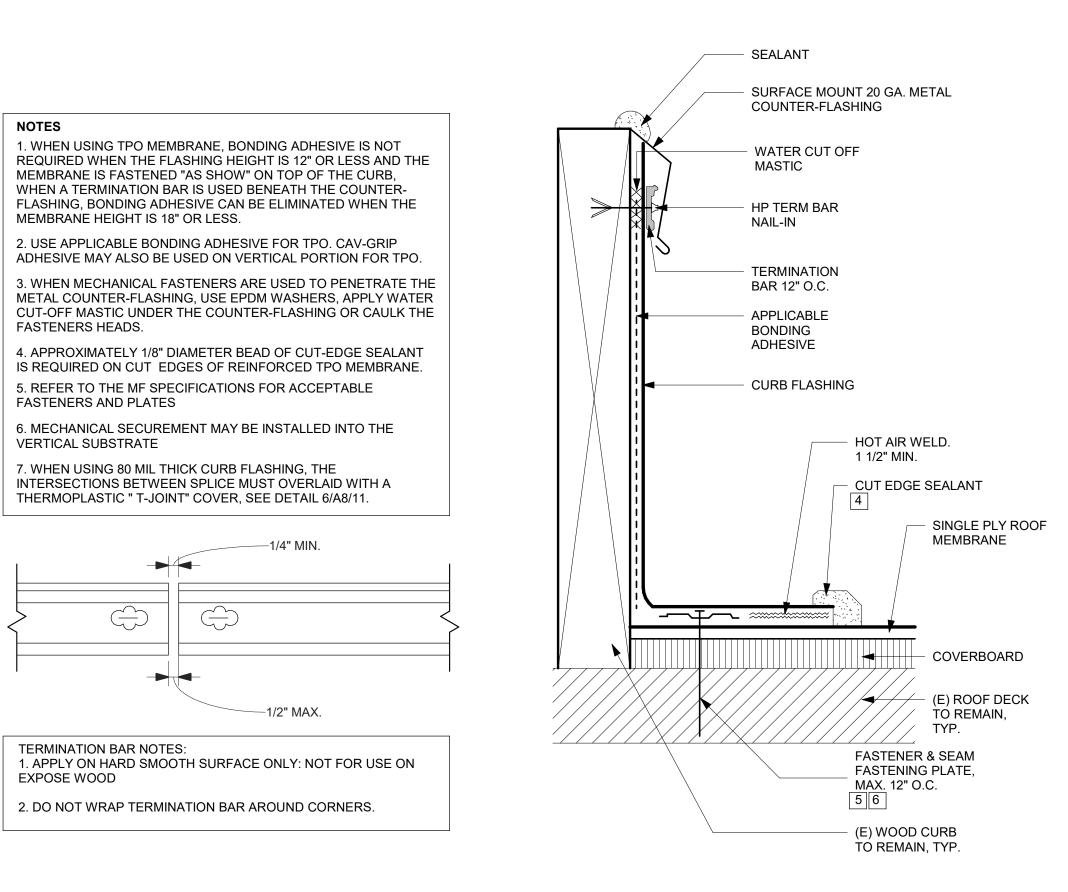


PLUMBING VENT (PREMANUFACTURED BOOT), SIMILAR TO NRCA TP-18AS SCALE: NONE

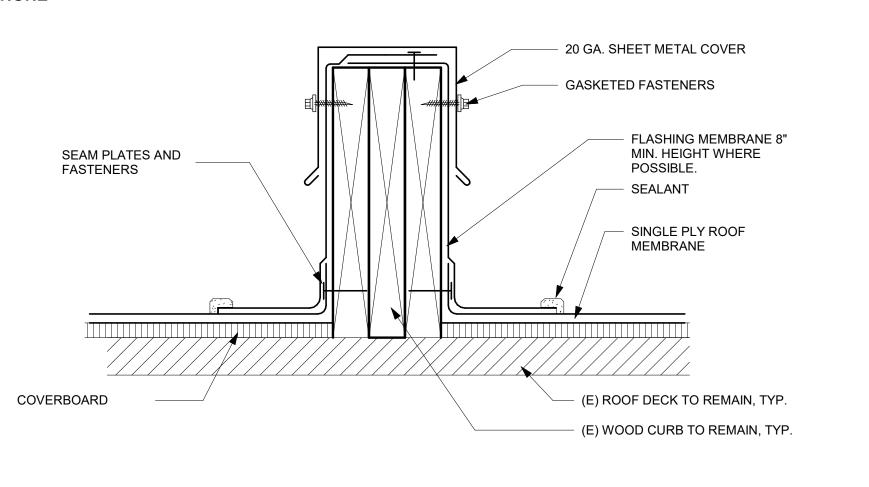




EMBEDDED EDGE METAL FLASHING DETAIL



2 CURB TERMINATION DETAIL WITH SURFACE MOUNT COUNTER FLASHING ✓ SCALE: NONE



1. AN AREA DIVIDER IS A RAISED DOUBLE WOOD MEMBER THAT IS PROPERLY ANCHORED TO THE ROOF DECK. AREA DIVIDERS SHOULD NEVER RESTRICT THE FLOW OF WATER. 2. FLASHING REQUIREMENT TYPICAL FOR BOTH SIDES OF THE AREA DIVIDER.

3 EQUIPMENT SUPPORT CURB REFERENCE TO NRCA TP SCALE: NONE

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 02/17/2023

www.aedisarchitects.co

387 S. 1st Street, Suite 300

San Jose, CA 95113

tel: (408)-300-5160

fax: (408)-300-5121

PROJECT

Solano CCD BLDG 300 Modernization



COMMUNITY COLLEGE SOLANO COMMUNITY

COLLEGE DISTRICT CONSULTANT



STATE DSA FILE NUMBER 02-120607 APPL# REVISIONS

**Date** 

MILESTONES 06.17.2022 08.12.2022 09.05.2022 50% CD 90% CD 10.11.2022

10.28.2022

02.21.2023

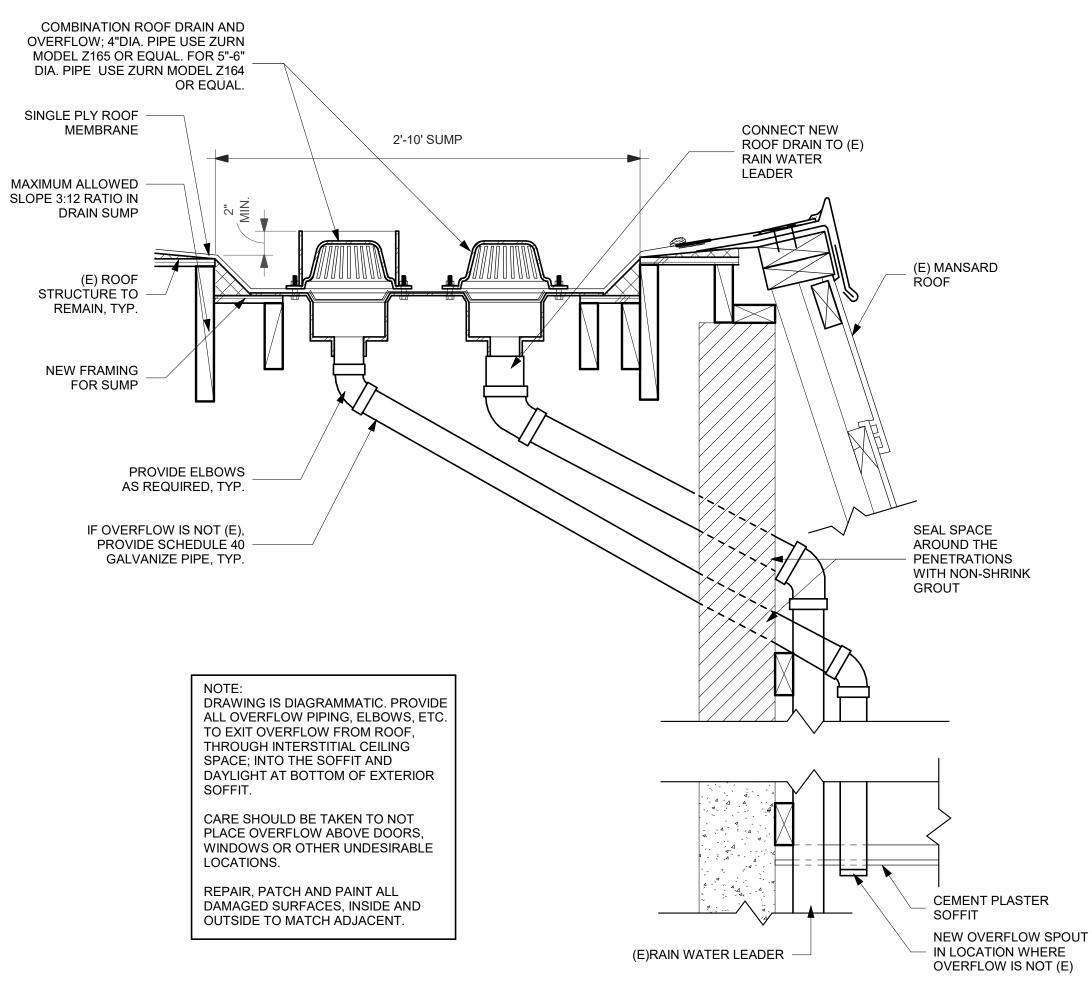
DSA BACKCHECK

DSA SUB

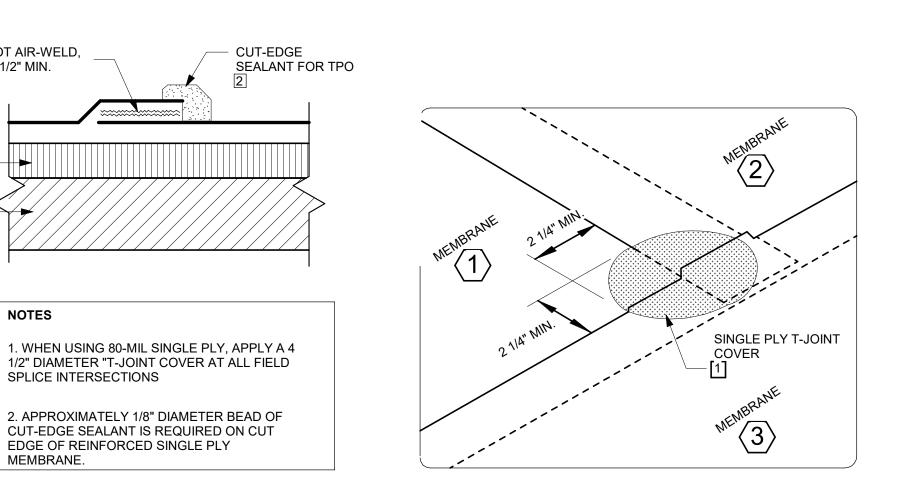
**EXTERIOR DETAILS** 

02.21.2023 2022012

8 ROOF ASSEMBLY
SCALE: 3" = 1'-0"



## 8 ROOF DRAIN, OVERFLOW, AND SUMP DETAIL SCALE: NONE



### 6 MEMBRANE SPLICE

HOT AIR-WELD, 1 -1/2" MIN.

**NOTES** 

MEMBRANE.

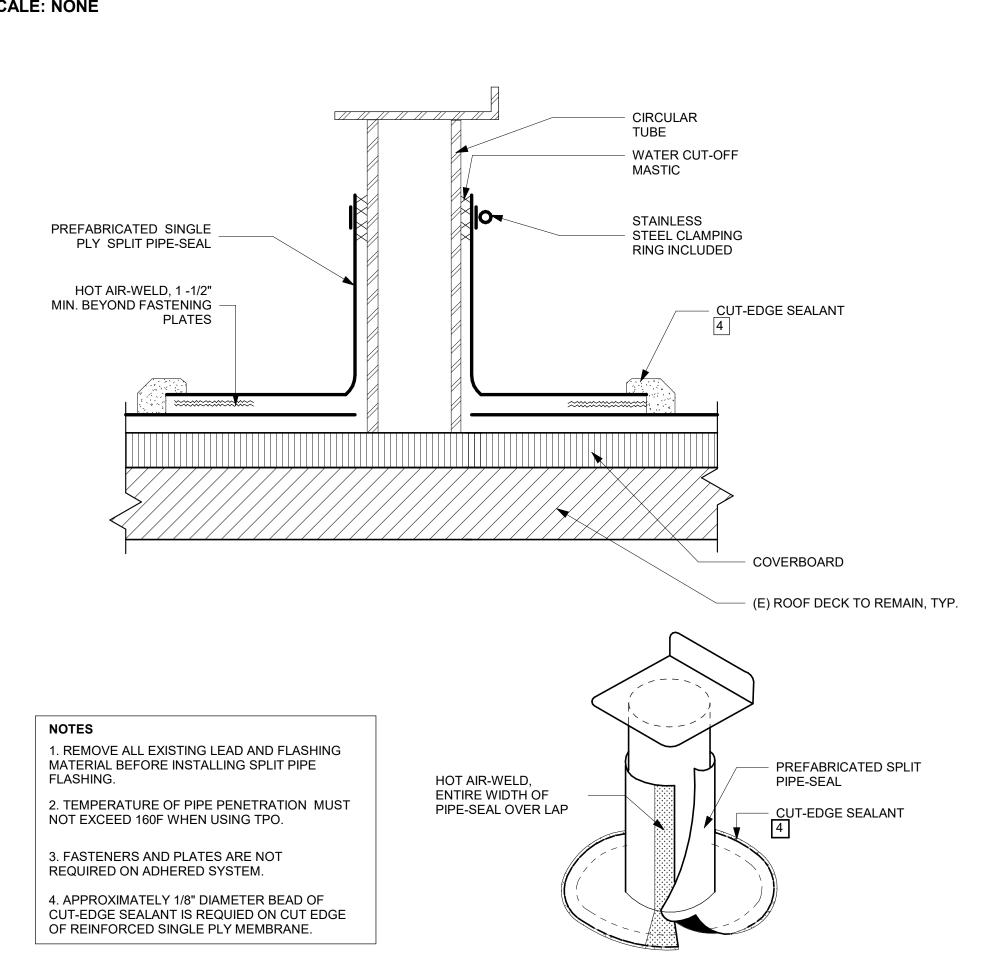
SPLICE INTERSECTIONS

EDGE OF REINFORCED SINGLE PLY

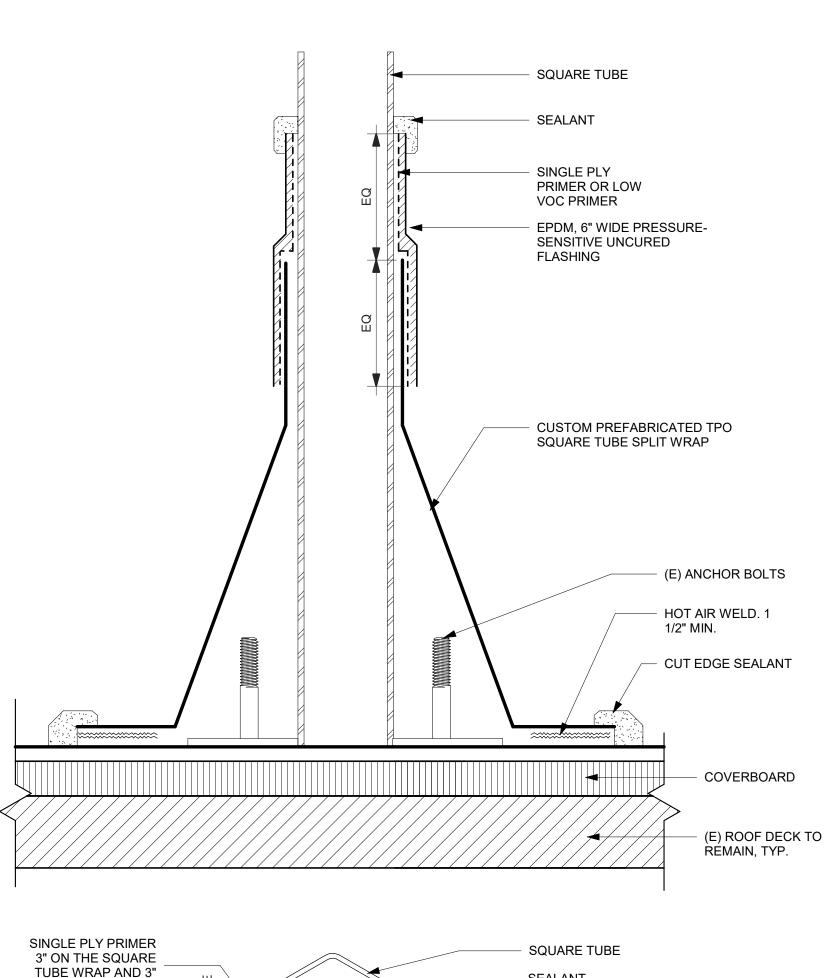
OVERBOARD

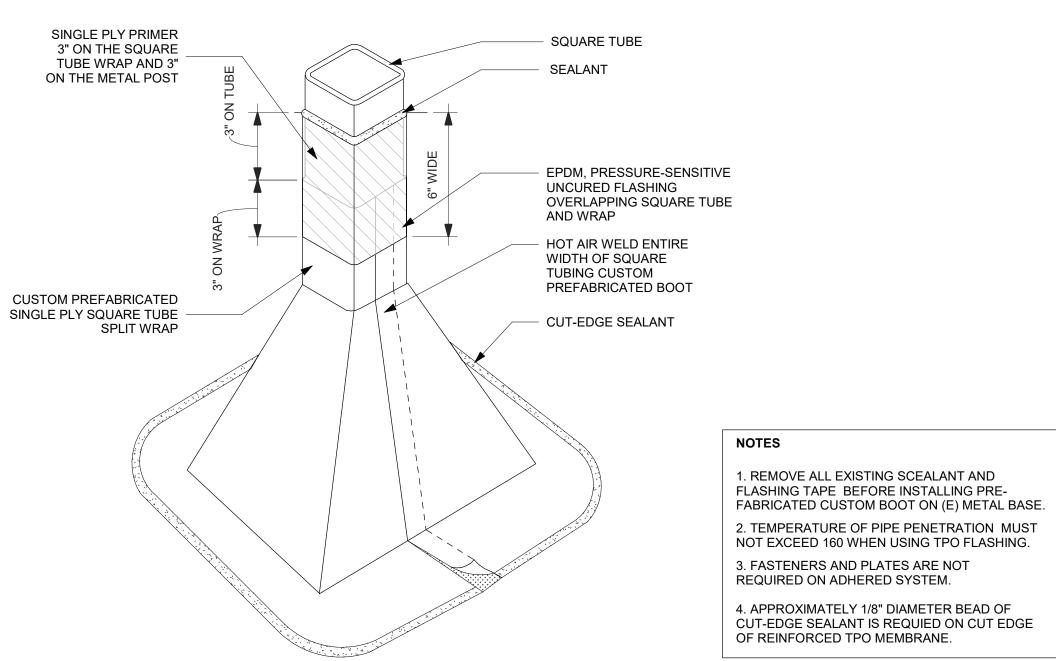
(E) ROOF DECK TO

REMAIN, TYP.

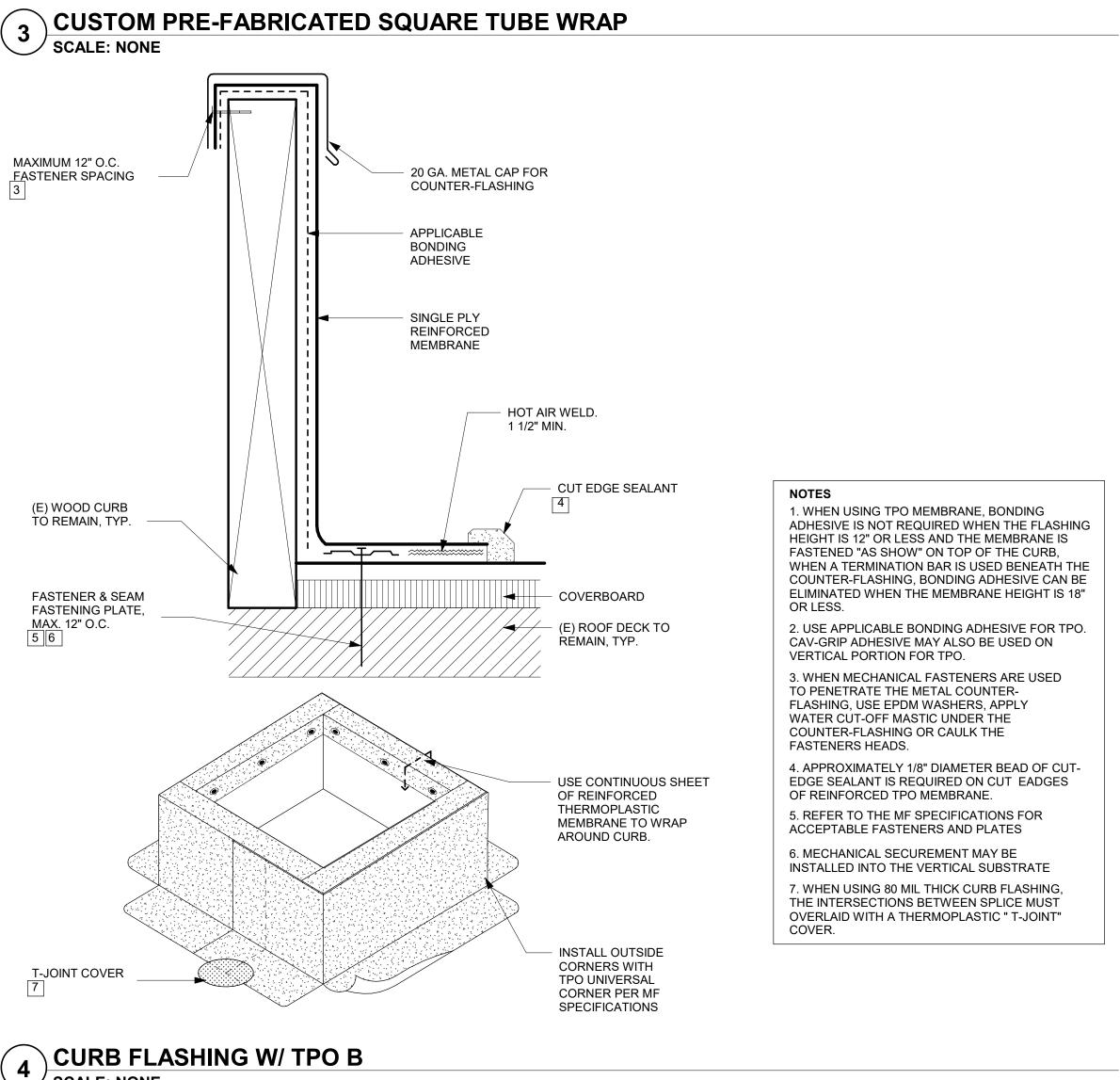


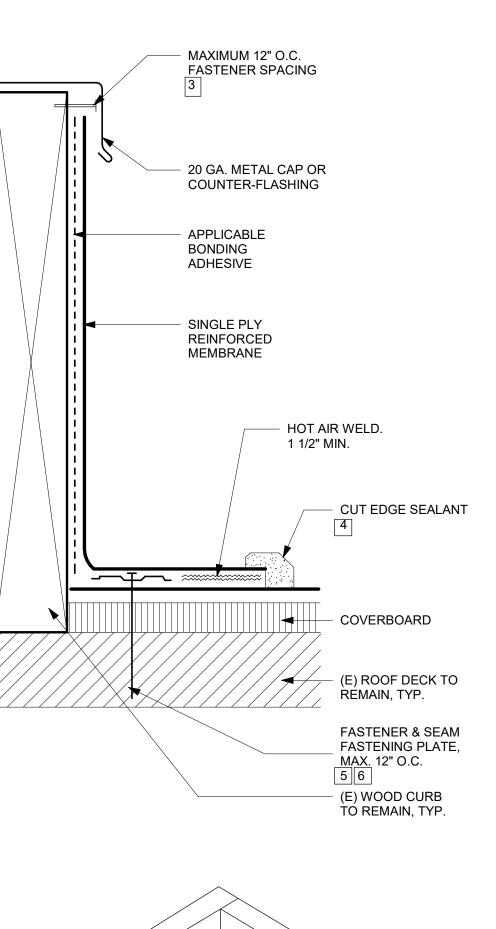
CFA CERTIFIED PRE-FABRICATED SPLIT PIPE SEAL SCALE: NONE

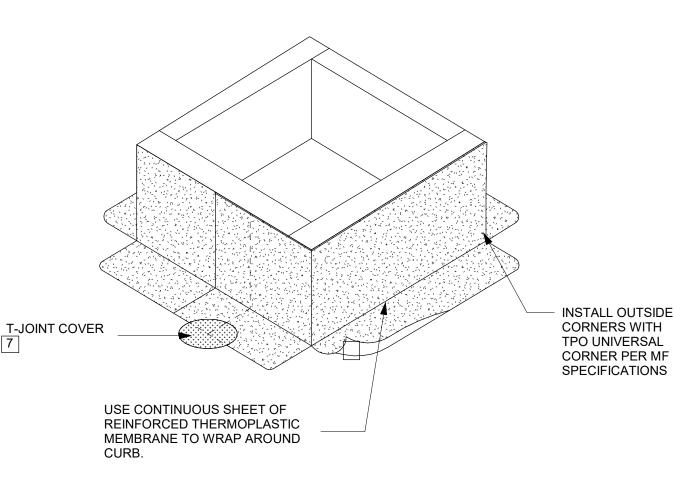




SCALE: NONE







CURB FLASHING W/ TPO A

1. WHEN USING SINGLE PLY MEMBRANE, BONDING ADHESIVE IS NOT REQUIRED WHEN THE FLASHING HEIGHT IS 12" OR LESS AND THE MEMBRANE IS FASTENED "AS SHOW" ON TOP OF THE CURB, WHEN A TERMINATION BAR IS USED BENEATH THE COUNTER-FLASHING, BONDING ADHESIVE CAN BE ELIMINATED WHEN THE MEMBRANE HEIGHT IS 18" OR LESS. 2. USE APPLICABLE BONDING ADHESIVE FOR SINGLE PLY. CAV-GRIP ADHESIVE MAY ALSO BE USED ON VERTICAL PORTION FOR TPO. 3. WHEN MECHANICAL FASTENERS ARE USED TO PENETRATE THE METAL COUNTER-FLASHING, USE EPDM WASHERS, APPLY WATER CUT-OFF MASTIC UNDER THE COUNTER-FLASHING OR CAULK THE FASTENERS HEADS. 4. APPROXIMATELY 1/8" DIAMETER BEAD OF CUT-EDGE SEALANT IS REQUIRED ON CUT EADGES OF REINFORCED TPO MEMBRANE. 5. REFER TO THE MF SPECIFICATIONS FOR ACCEPTABLE FASTENERS AND PLATES 6. MECHANICAL SECUREMENT MAY BE INSTALLED INTO THE VERTICAL 7. WHEN USING 80 MIL THICK CURB FLASHING, THE INTERSECTIONS BETWEEN

SPLICE MUST OVERLAID WITH A SINGLE

PLY " T-JOINT" COVER.

SAFETY POST; ATTACH TO TOP OF LADDER PER MFR. INSTRUCTIONS

(E) CURB

FLASH AROUND ROOF HATCH

WEATHER FASHION SMACNA

w/ 20 GA. GSM FLASHING &

COUNTER FLASHING

(E) LATCH HANDLE.

(E) HATCH COVER.

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITEC

REVIEWED FOR

SS 🗹 FLS 🗹 ACS 🗹

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

tel: (408)-300-5160

fax: (408)-300-5121

Solano CCD BLDG 300

COMMUNITY COLLEGE

SOLANO COMMUNITY

COLLEGE DISTRICT

CONSULTANT

Modernization

APP: 02-120607 INC:

DATE: 02/17/2023

PROJECT

DSA FILE NUMBER 02-120607

REVISIONS

MILESTONES 06.17.2022 08.12.2022 09.05.2022 50% CD 90% CD 10.11.2022 DSA SUB 10.28.2022

DSA BACKCHECK

**EXTERIOR DETAILS** 

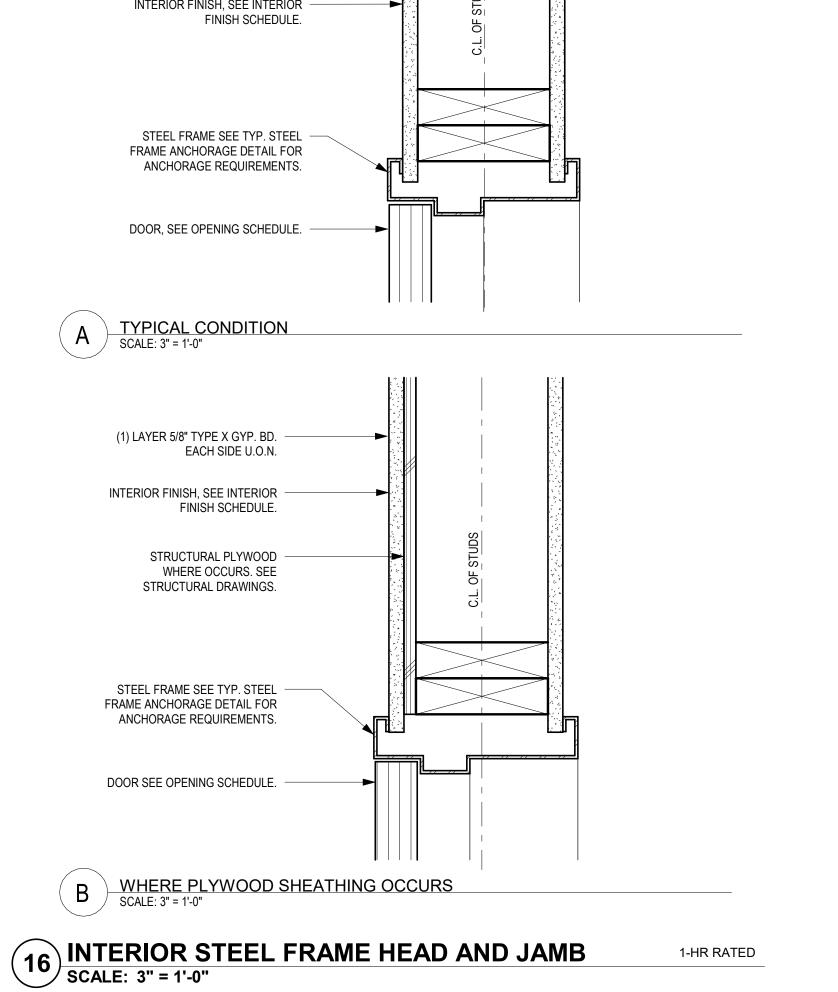
02.21.2023

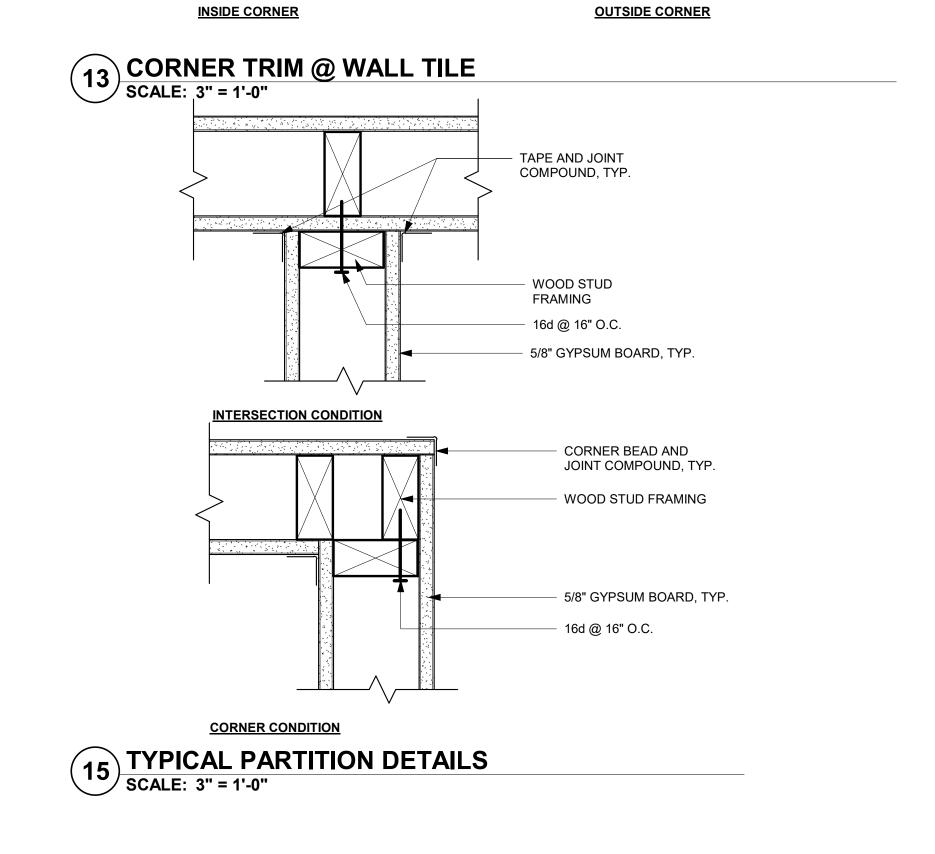
02.21.2023 2022012

SHEET#

PLATE 69, 4TH ED. TPO ROOFING, REFER TO DETAIL (E) BLOCKING AND OR **ROOF FRAMING** (E) GYP. BD. CEILING (E) WALL FINISH AND WALL FINISH BACKING (E) BLOCKING (E) MOUNTING BRACKET (E) METAL LADDER (E) STUD WALL (E) 4" x 4" ANGLE BRACKET (E) FLOOR FINISH AND FLOOR SLAB

(E) ROOF ACCESS LADDER, HATCH, & SAFETY POST (2x STUDS)
SCALE: 3/4" = 1'-0"





QUARTER ROUND INSIDE

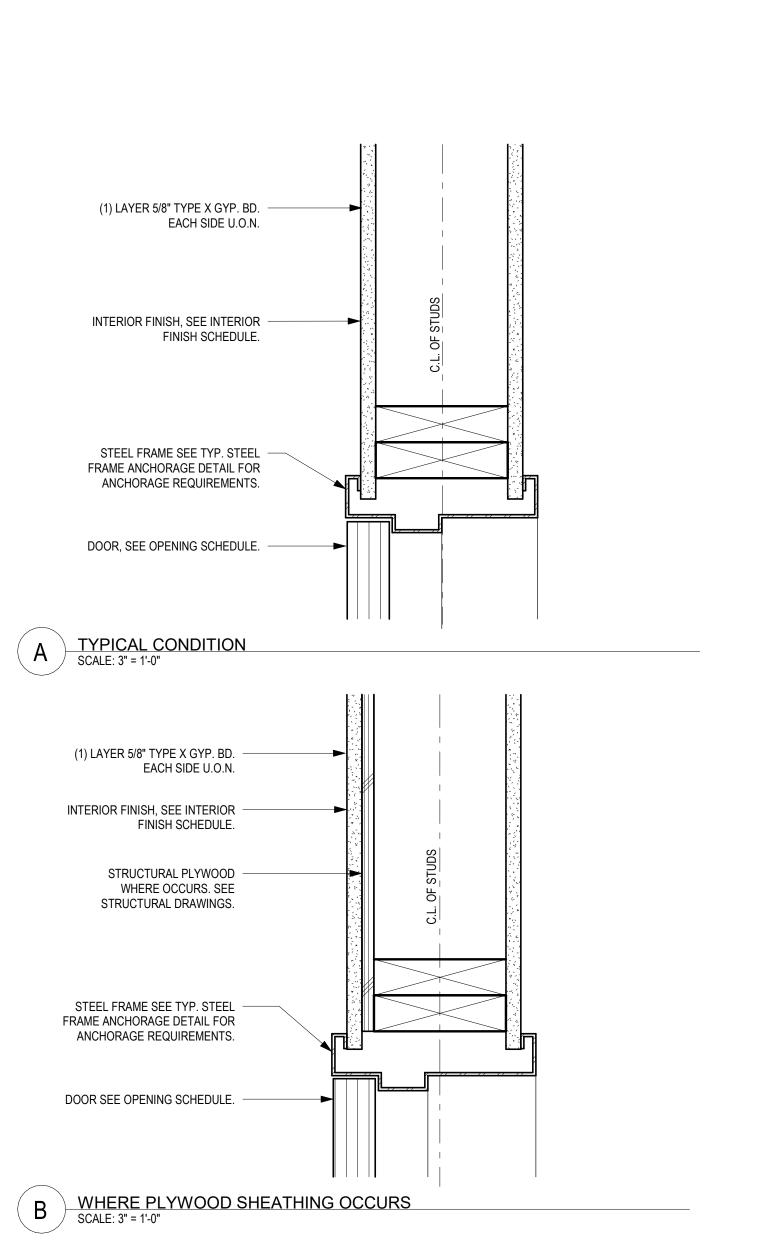
PIECES DALTILE A106

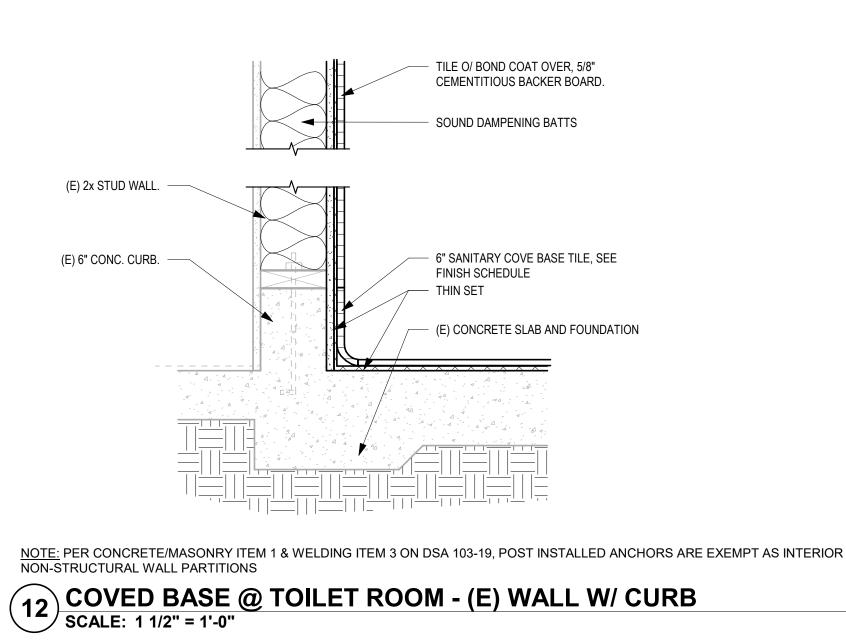
WALL TILE PER PLAN, SEE FINISH SCHEDULE WALL TILE PER PLAN,

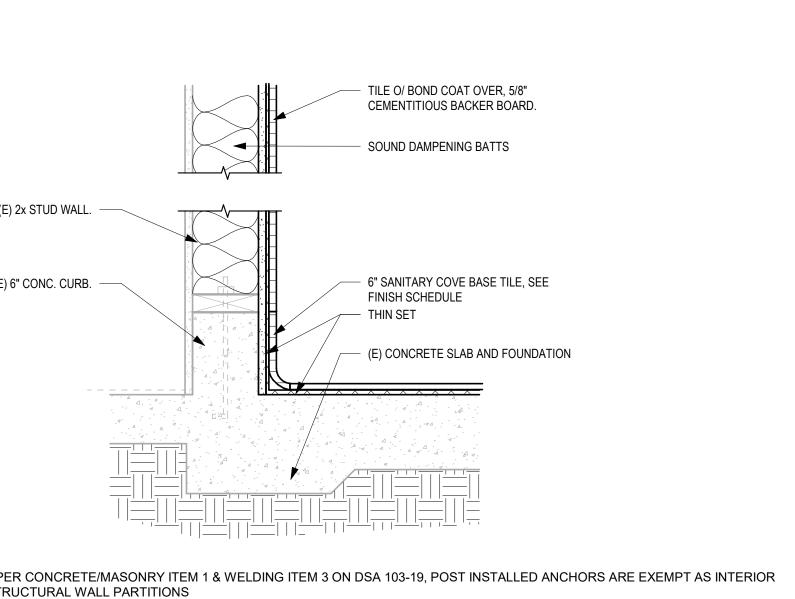
SEE FINISH SCHEDULE

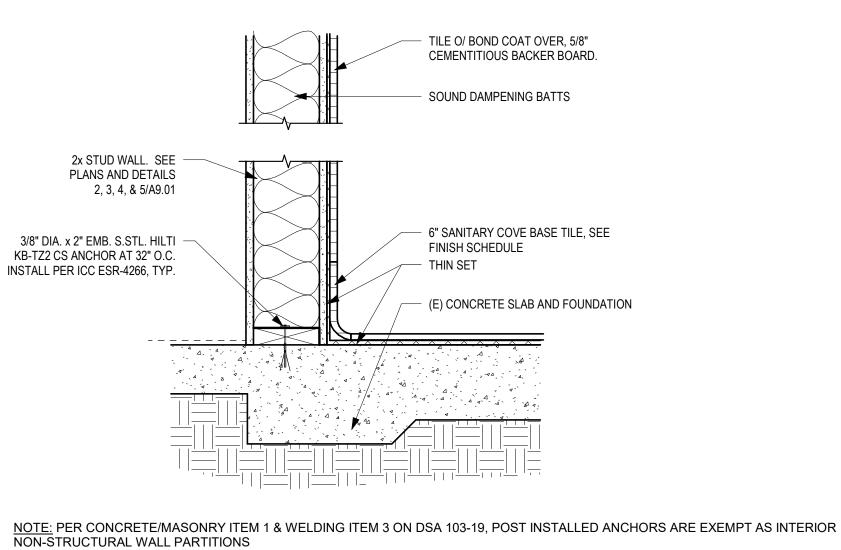
WALL ASSEMBLY SEE WALL TYPE

1X6 QUARTER ROUND **CORNER PIECE** DALTILE AC106

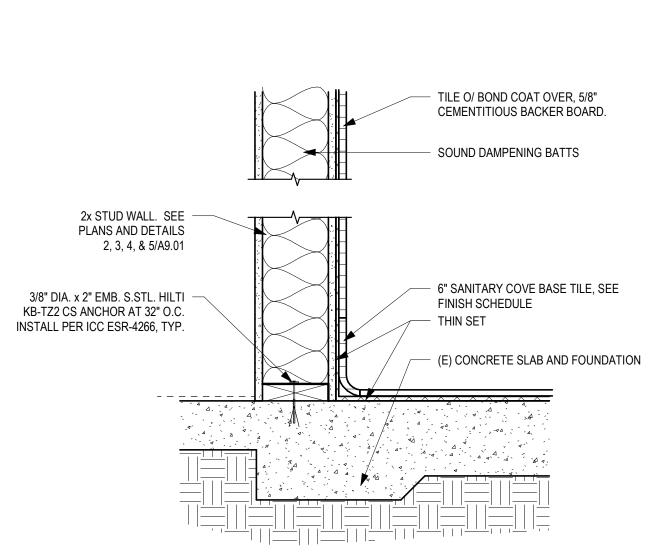


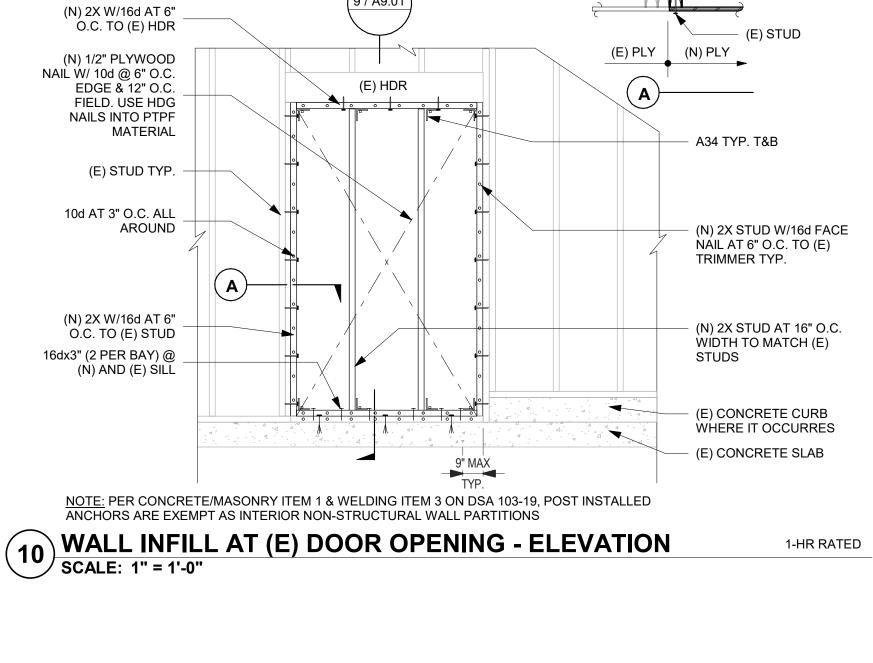


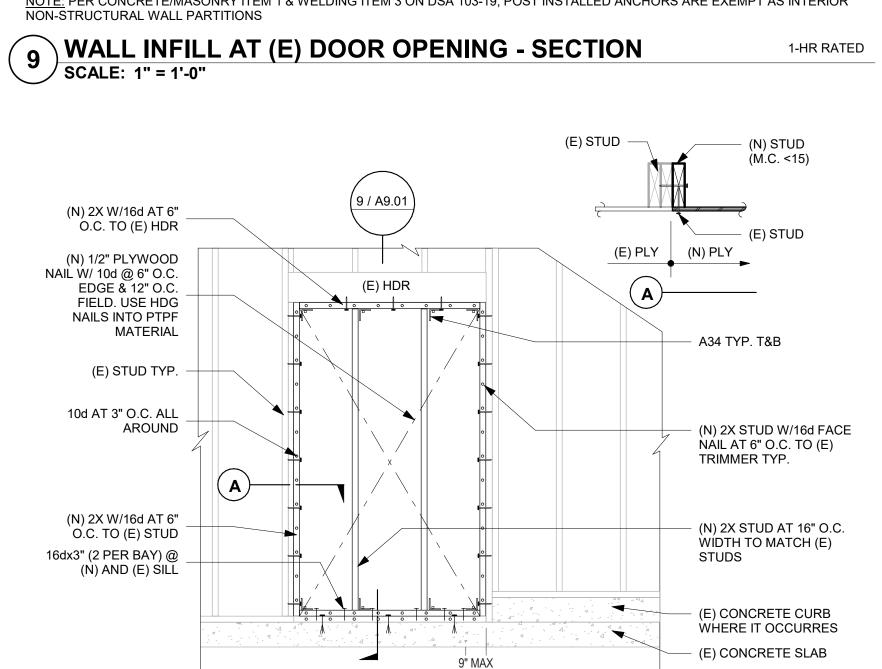


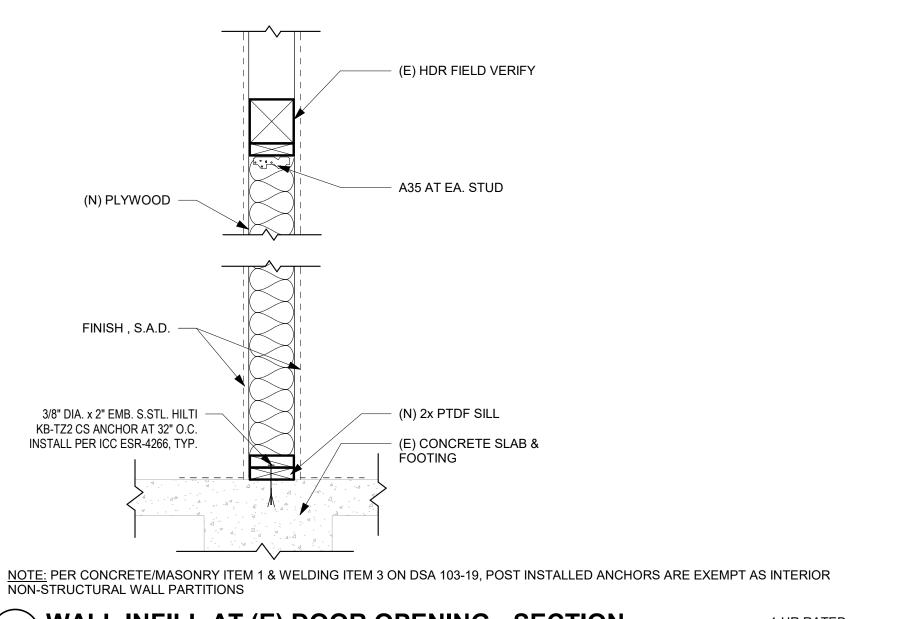


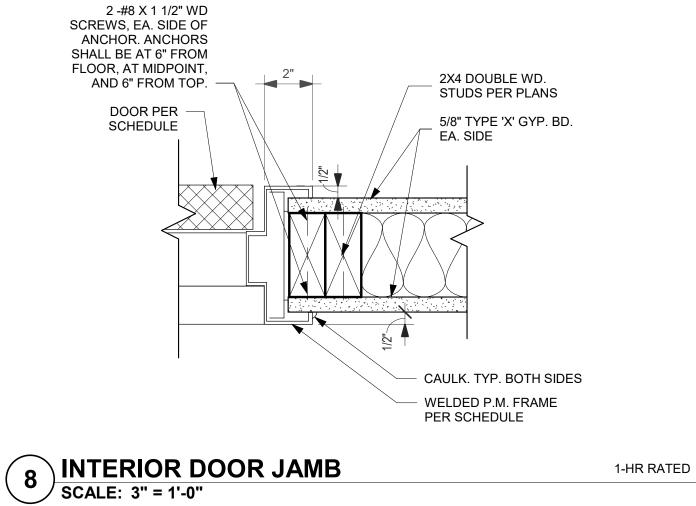
COVED BASE @ TOILET ROOM - (N) WALL
SCALE: 1 1/2" = 1'-0"











(E) CONCRETE SLAB

NOTE: PER CONCRETE/MASONRY ITEM 1 & WELDING ITEM 3 ON DSA 103-19, POST INSTALLED ANCHORS ARE

7 TYPICAL INTERIOR WALL BASE (2x STUDS)
SCALE: 3" = 1'-0"

**DRY SPACE** 

(E) 5/8" GYP, PAINT

PER FINISH PLAN

5 WALL TYPE 5
SCALE: 1 1/2" = 1'-0"

DOOR FRAME BEYOND.

SCHEDULES FOR SIZE

AND TYPE.

SEE OPENING, AND DOOR

DOOR. SEE OPENING, AND -DOOR SCHEDULES.

PORCELAIN TILE ON — THINSET, SEE

INTERIOR FINISH

5/8" TYPE 'X' GYP.

2x STUD WALL.

WALL BASE PER -

FINISH SCHEDULE

SCHEDULE.

6 TYPICAL DOOR SILL DETAIL
SCALE: 3" = 1'-0"

EXEMPT AS INTERIOR NON-STRUCTURAL WALL PARTITIONS

**WET SPACE** 

5a - PROVIDE TYPE 'X' GYP BOARD FOR 1-HR RATING

CERAMIC TILE ON THIN SET MORTAR

VCT TILE. SEE INTERIOR FINISH

SCHEDULE.

SOUND DAMPENING BATTS

WALL FINISH, SEE FINISH

3/8" DIA. x 2" EMB. S.STL. HILTI

KB-TZ2 CS ANCHOR AT 32" O.C.

WALL BASE PER FINISH

(3) ANCHORS MIN.

INSTALL PER ICC ESR-4266, TYP.

PRESSURE TREATED SILL PLATE W/

CONT. FILLER STRIP. SIZE TO FLUSH w/ WALL FINISH. SECURE WITH ADHESIVE

- FLOOR FINISH, SEE FINISH SCHEDULE.

OR NAIL AS REQUIRED, TYP.

SCHEDULE.

SCHEDULE

(E) 2x6 WOOD STUDS AT 16" O.C.

(E) SOUND DAMPERING BATTS

**EXTERIOR SPACE** 

7/8" CEMENT PLASTER

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

DRY SPACE

SEE FINISH SCHEDULE

FOR WALL FINISH, TYP.

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

WALL TYPE 4
SCALE: 1 1/2" = 1'-0"

(E) 1/2" PLY. WD.

WET SPACE

→ (E) FURR OUT WALL

**WET SPACE** 

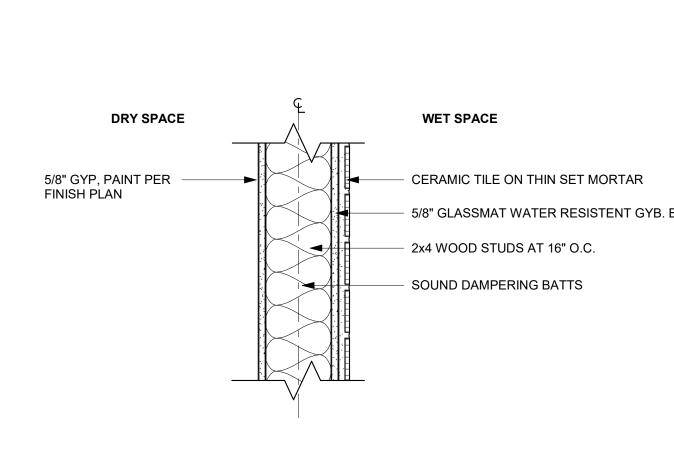
CERAMIC TILE ON THIN SET MORTAR

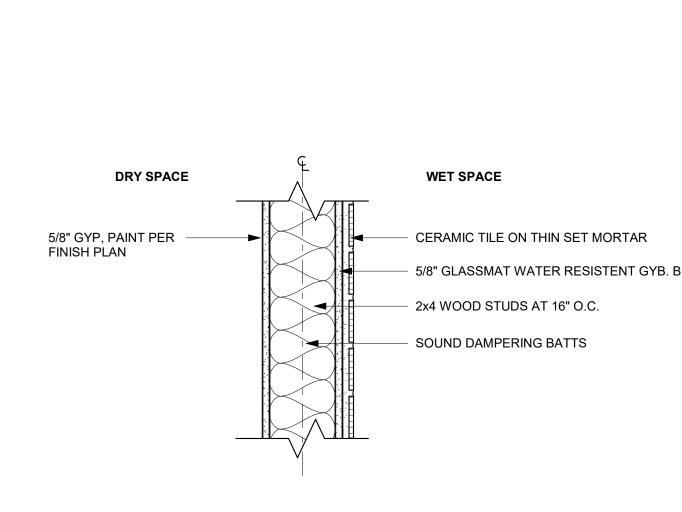
1-HR RATED

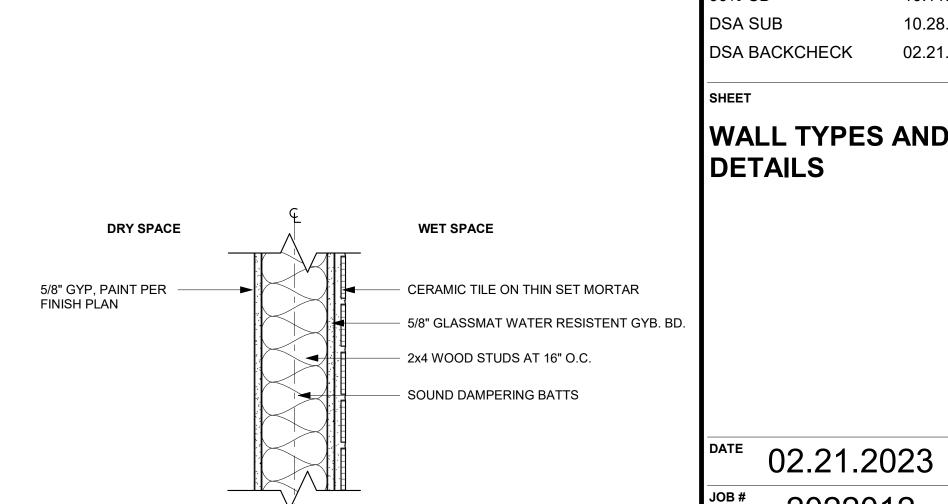
(E) 2x6 WOOD STUDS AT 16" O.C.

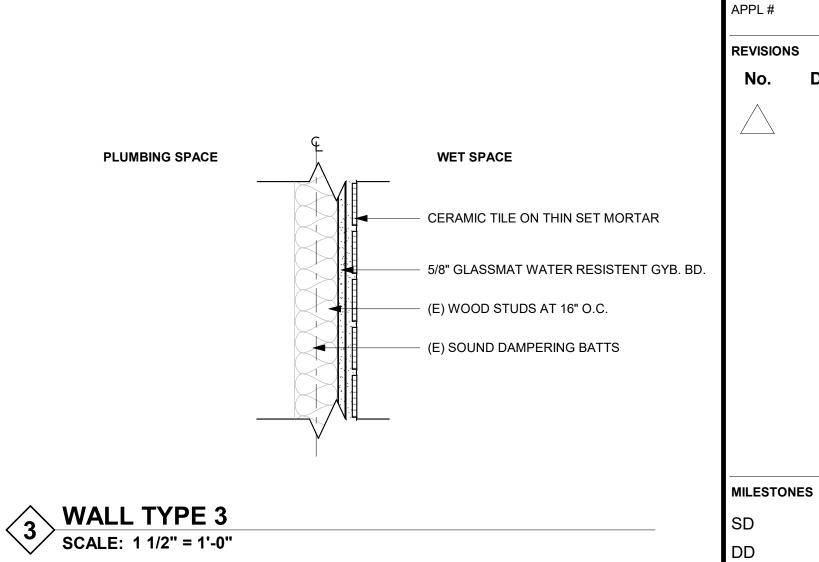
(E) SOUND DAMPERING BATTS

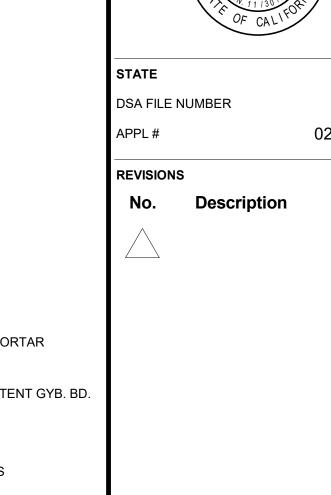
(E) 6 3/8" THK. CONCRETE WALL











50% CD

90% CD

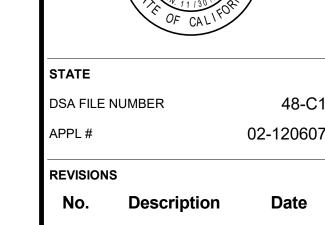
SHEET#

DSA SUB

DSA BACKCHECK

02.21.2023

2022012



06.17.2022

08.12.2022

09.05.2022

10.11.2022

10.28.2022

02.21.2023

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC

REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

architects

387 S. 1st Street, Suite 300

San Jose, CA 95113

tel: (408)-300-516 fax: (408)-300-5121

Solano CCD BLDG 300

COMMUNITY COLLEGE

SOLANO COMMUNITY

COLLEGE DISTRICT

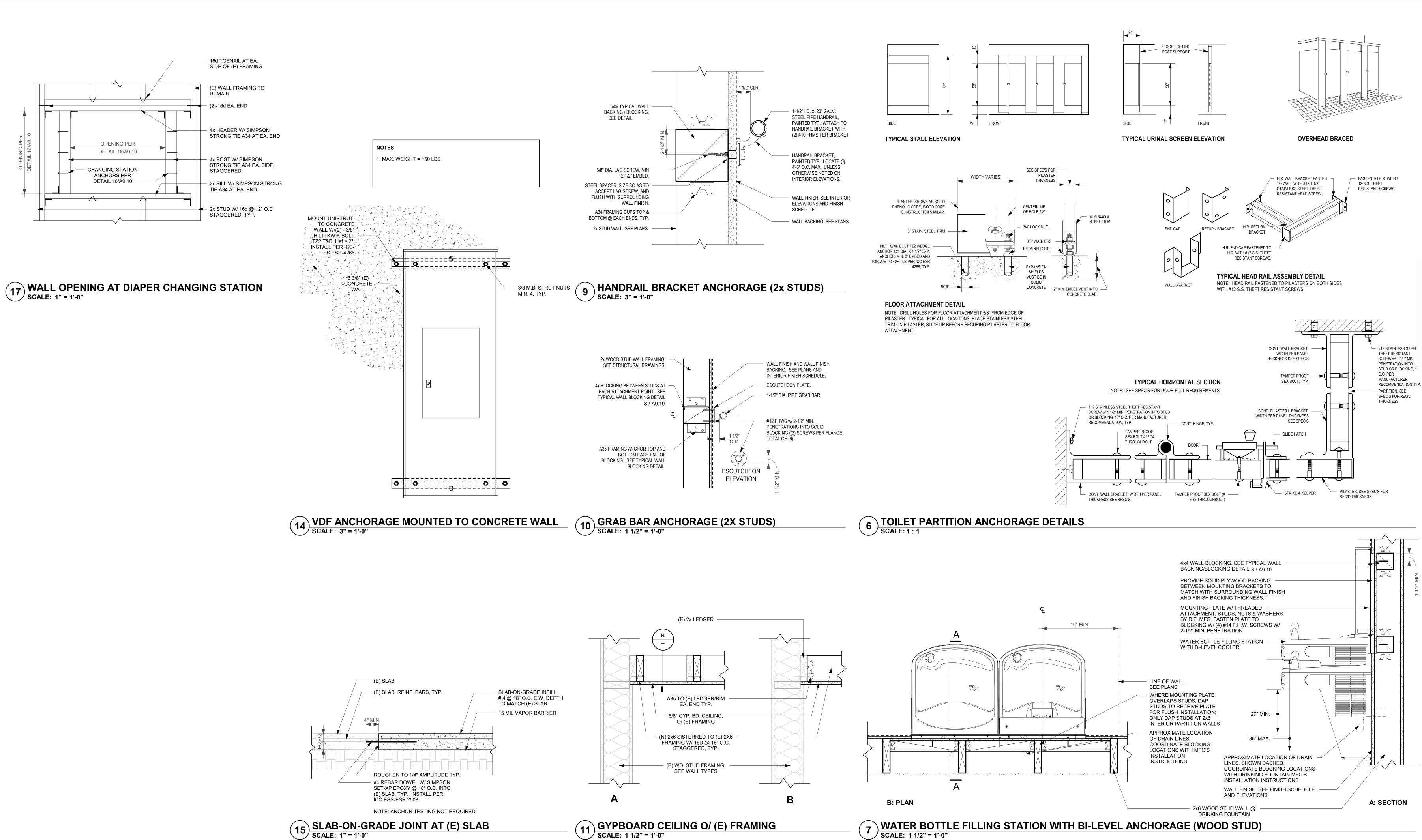
CONSULTANT

APP: 02-120607 INC:

DATE: 02/17/2023

PROJECT

Modernization



(3) 1/4" X 3" FLAT HEAD

RECESSED DIAPER

CHANGING STATION;

SEE SPECIFICATIONS

W.S. EA. SIDE

EDGE DISTANCE

REFER TO DETAIL 17/-FOR WALL FRAMING

AT OPENING

- WALL ASSEMBLY SEE WALL TYPES

BAG HOOK, SEE MFR. SPECS

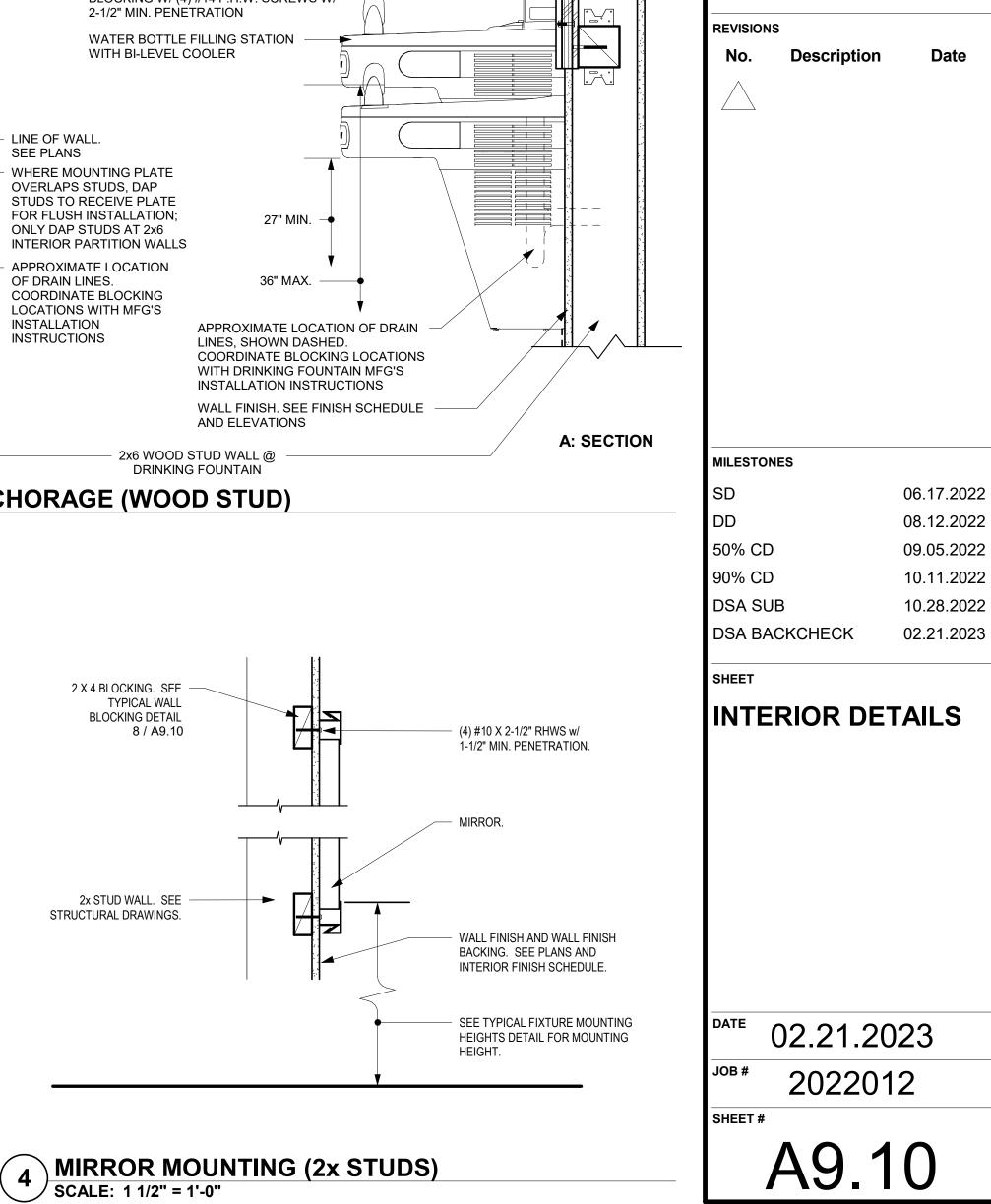
41 5/16"

30 1/8"

**OPENING** 

DIAPER CHANGING STATION ANCHORAGE

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



5/8" TYPE X GYP. BD.

PER BACKING BLOCK

2X STUD FRAMING.

2 x 4 BACKING W/ 2-10d TOE NAILS EACH SIDE, EACH END.

ACCESSORY ATTACHMENT POINT.

(LIGHT ACCESSORY ONLY W/ MAX.

3" PROJECTION AND MAX. 20 LBS.

(CHALKBOARDS, MIRRORS ETC.))

4X4 BLOCKING BETWEEN STUDS

@ EACH ATTACHMENT POINT.

FIXTURE ATTACHMENT POINT.

WALL FINISH SEE FINISH SCHEDULE.

A34 FRAMING ANCHOR TOP AND

BOTTOM EACH END OF BLOCKING.

8 TYPICAL WOOD WALL BACKING/ BLOCKING SCALE: 3" = 1'-0"

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC

REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

www.aedisarchitects.co

387 S. 1st Street, Suite 300

San Jose, CA 95113

tel: (408)-300-5160

fax: (408)-300-5121

Solano CCD BLDG 300

COMMUNITY COLLEGE

SOLANO COMMUNITY

COLLEGE DISTRICT

CONSULTANT

DSA FILE NUMBER

APPL#

02-120607

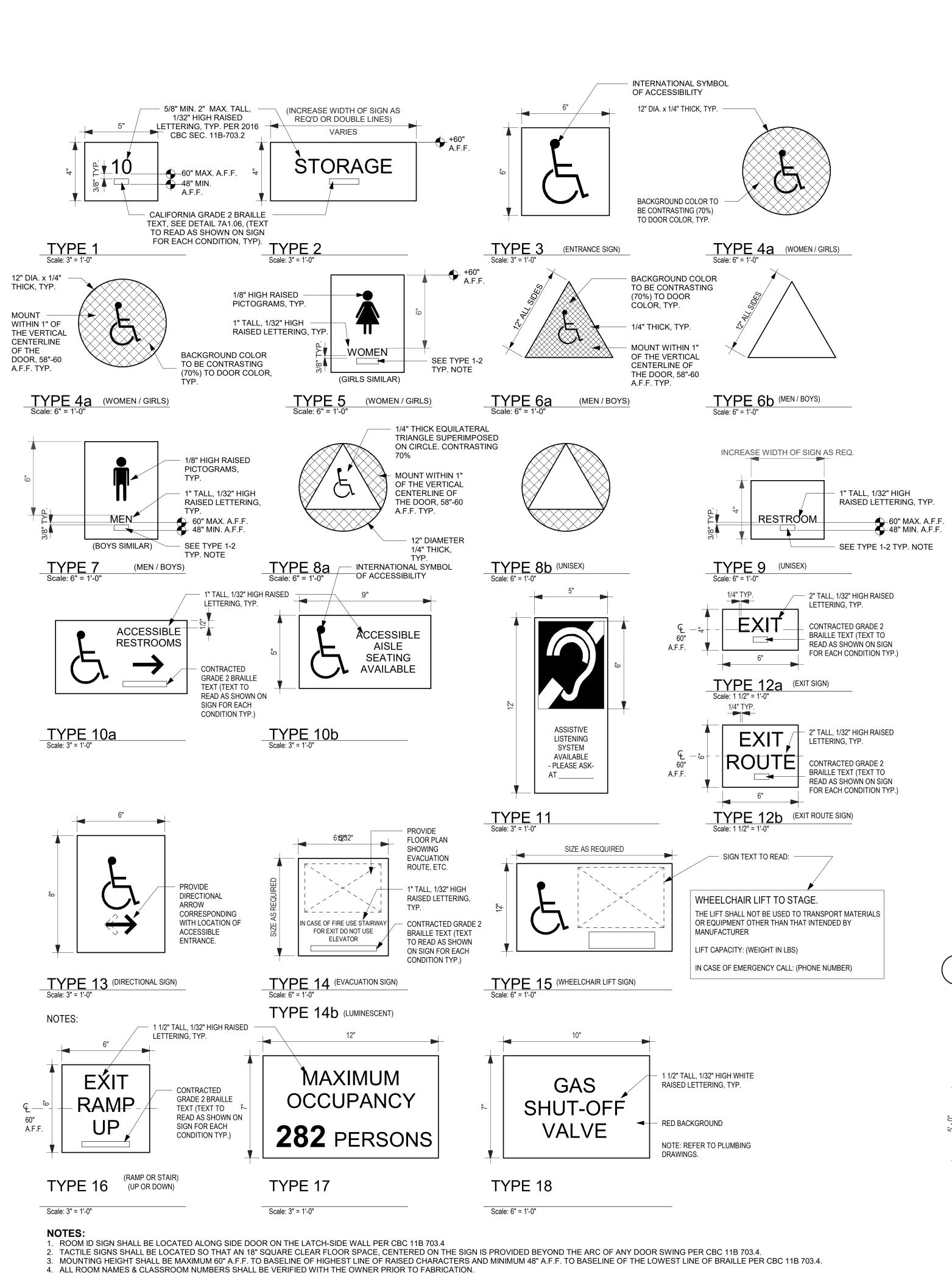
**Date** 

APP: 02-120607 INC:

DATE: 02/17/2023

PROJECT

Modernization

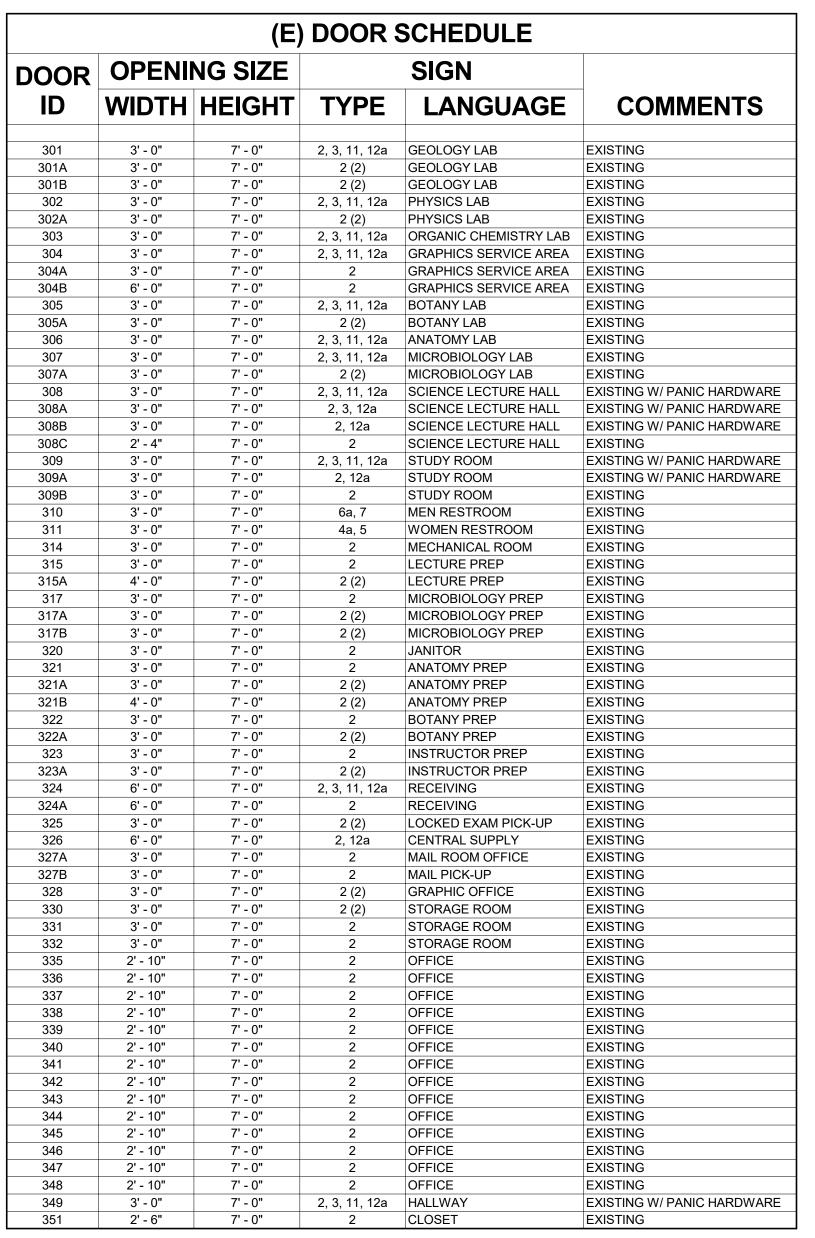


5. ALL FONTS SHALL BE "SANS SERIF" U.O.N.

TYPICAL SIGNAGE

SCALE: 3" = 1'-0"

6. VERIFY ALL TEXT CONTAINED WITHIN PARENTHESIS WITH ARCHITECT PRIOR TO FABRICATION



### DOOR SCHEDULE GENERAL NOTES

CONTRACTOR SHALL COORDINATE, PRIOR TO FABRICATION, DOOR FRAME DEPTH TO ACCEPT ALL WALL FINISHES AS DETAILED IN THE DRAWINGS.

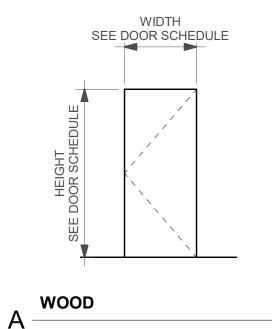
- ALL ROOMS WITH AN OCCUPANCY OF 5 OR MORE PERSONS SHALL BE LOCKABLE FROM THE INSIDE IN COMPLIANCE WITH DSA BULLETIN 11-05, EXCEPTIONS AS NOTED IN THE BULLETIN.
- REFER TO DETAIL 20/A10.01 FOR SIGN TYPES.
- REFER TO TYPICAL DOOR NOTES DETAIL FOR SIGN PLACEMENT.
- CONTRACTOR SHALL VERIFY SIGN LANGUAGE WITH DISTRICT PRIOR TO
- DOOR SCHEDULE COMMENTS

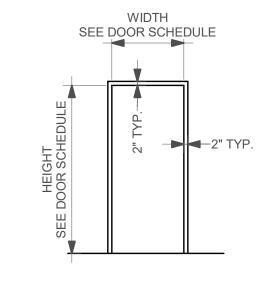
PANIC HARDWARE, HOLDS OPEN

PANIC HARDWARE

- LOUVERS

	DOOR SCHEDULE															
DOOR	R OPENING SIZE DOOR		ZE DOOR FRAME DETAILS			FIRE		SIGN		COMMENTS						
ID	WIDTH	HEIGHT	TYPE	FINISH	GLAZING	TYPE	FINISH	HEAD	JAMB-1	JAMB-2	SILL	RATING (min.)	GROUP	TYPE	LANGUAGE	
312	3' - 0"	7' - 0"	Α	PAINT		F1	PAINT	16/A9.01	8/A9.01	8/A9.01	6/A9.01	3/4 hr	1	8a, 9	STAFF RESTROOM	
313	3' - 0"	7' - 0"	А	PAINT		F1	PAINT	16/A9.01	8/A9.01	8/A9.01	6/A9.01	3/4 hr	1	2	STORAGE	





**HOLLOW METAL** 

DOOR TYPES SCALE: 1/4" = 1'-0"		FRAME TYPES SCALE: 1/4" = 1'-0"	
SEE DOOR SCHEDULE	<ul> <li>SIGN ON DOOR AND LATCH SIDE OF DOOR, WHERE OCCURS SEE DOOR SCHEDULE, PLANS FOR SIGN TYPE AND WORDING.</li> </ul>		SIGN TYPE 12a & 12b
EQ EQ	DOOR FRAME SEE DOOR SCHEDULE.  SIGN, WHERE OCCURS. ENTRANCE ACCESSIBILITY SIGN, WHERE OCCURS.	SIGN TYPE 4a, 4b, 6a, 6b, 8a, & 8b.  SIGN TYPE 1, 2, 5, 7, 9, 10a, 10b, 11 & 13. SIGN TYPE 3 LOCATED BELOW.	ENTRY SIDE
	ALL OPERATING DEVICES SHALL BE     INSTALLED 34" MIN. AND 44" MAX. A.F.F.     COORDINATE WITH DOOR TYPES AND     MANUFACTURER.	NOTE: SEE ELEV. FOR MOUNTING	HEIGHTS.
	<ul> <li>LOUVER, WHERE OCCURS. SEE DOOR</li> <li>TYPES FOR LOUVER SIZE, TYP.</li> <li>KICK PLATE 10" HIGH x 2" LESS DOOR</li> </ul>	Scale: 1/4" = 1'-0"  SIGN TYPE 4a, 4b, 6a, 6b, 8a, & 8b.	SIGN TYPE 12a & 12b
MOTE: CICNO MITH PAICED CHARA	WIDTH, WHERE OCCURS. INSTALL SO AS TO BE SMOOTH AND SOLID.	SIGN TYPE 1, 2, 5, 7, 9, 10a, 10b, 11 & 13. SIGN TYPE 3 LOCATED BELOW.	
MIN. ABOVE FINISH FLOOR OR GRO ASELINE OF THE LOWEST LINE OI LOOR OR GROUND SURFACE, ME	ACTERS AND BRAILLE SHALL BE MOUNTED 48" DUND SURFACE, MEASURED FROM THE F BRAILLE, AND 60" MAX. ABOVE FINISH ASURED FROM THE BASELINE OF THE TERS, PER CBC 2019 11B-703.4.1.	NOTE: SEE ELEV. FOR MOUNTING HEIGHTS.	ENTRY SIDE

PROVIDE TRIANGULAR SIGN (WITH 12" SIDES) AT ALL MEN'S AND BOY'S, AND CIRCULAR SIGN (WITH 12" DIAMETER) AT ALL WOMEN'S AND GIRL'S TOILET DOORWAYS AND WALL ADJACENT TO LATCH LEADING TO SANITARY FACILITIES PER CBC 2016 SECTION 11B-216.8 & 11B-703.7.2.6, MOUNTED AT 5'-0" TO CENTER OF SIGN TO FINISH FLOOR. ALL RATED DOORS TO BE POSITIVE LATCHING AND SELF CLOSING. ALL DOORS TO COMPLY WITH 2013 CBC, ALL 20 MINUTE RATED ASSEMBLIES SHALL BE PROVIDED

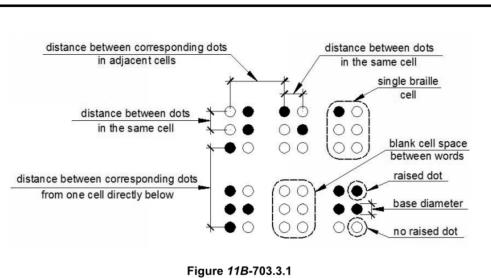
WITH APPROVED GASKETING MATERIAL INSTALLED TO PROVIDE A SEAL WHERE THE DOOR MEETS THE STOP ON BOTH SIDES AND ACROSS THE TOP. (PER U.B.C. STANDARDS) ALL DOORS SHALL BE 1-3/4" THICK U.O.N. ALUMINUM EXTERIOR SIGNAGE FRAMES SHALL BE ATTACHED TO SUBSTRATE WITH VANDAL PROOF FASTENERS WITH EXPANSION SHIELDS. NAME OR ROOM NAME PLATES SHALL BE ATTACHED TO FRAME WITH BRASS SCREWS, AS APPROVED BY ARCHITECT.

BRAILLE TEXT SHALL BE CALIFORNIA GRADE 2 BRAILLE PER TITLE 24, SECTION 11B-703.3, TYP. ALL SIGNS AND IDENTIFICATION (AT MAIN ENTRANCE, TOILETS, PERMANENT ASSISTIVE LISTENING, ETC. SHALL COMPLY WITH TITLE 24, AND CBC SECTIONS 11B-216 AND 11B-703.1 THROUGH 11B-703.7. CONTRACTOR TO VERIFY ALL OPENING DIMENSIONS IN

Maximum in Inches Dot base diameter 0.059 (1.5 mm) 0.063 (1.6 mm) 0.100 (2.5 mm) Distance between two dots in the same cell 0.300 (7.6 mm) Distance between corresponding dots in adjacent cells<sup>1</sup> 0.025 (0.6 mm) Dot height 0.395 (10 mm) Distance between corresponding dots from one cell directly below<sup>1</sup> 0.400 (10.2 mm) Measured center to center.

Table 11B-703.3.1 Braille Dimensions

Measurement Range



**Braille Measurement** 

TABLE 11B-703.3.1 BRAILEE DIMENSIONS

SCALE: 1" = 1'-0"

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITE APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 02/17/2023

www.aedisarchitects.co 387 S. 1st Street, Suite 300 San Jose, CA 9511 tel: (408)-300-5160 fax: (408)-300-5121

PROJECT

Solano CCD BLDG 300 Modernization



COMMUNITY COLLEGE

SOLANO COMMUNITY **COLLEGE DISTRICT** 

CONSULTANT

DSA FILE NUMBER 02-120607 APPL#

REVISIONS

MILESTONES 06.17.2022

08.12.2022 09.05.2022 50% CD 90% CD 10.11.2022 DSA SUB 10.28.2022 DSA BACKCHECK 02.21.2023

**OPENING** SCHEDULE & TYPES

02.21.2023

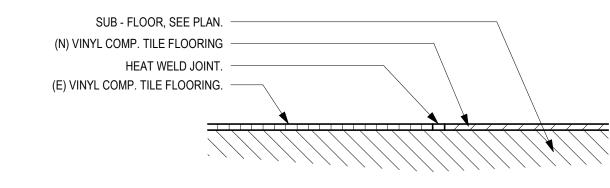
			FINISH SCH	-DULE		
	ROOM	FLOOR			CEILING	
IUMBER	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	FINISH	COMMENTS
)1	GEOLOGY LAB	(E) VCT AND VCT-1 AS NEEDED	(E) RUBBER BASE	P-2, P-4	ACT-1	(E) FINISH TO REMAIN, REPLACE OR ADD VCT TILE AS NEEDE
	PHYSICS LAB	(E) VCT	(E) RUBBER BAS	P-2, P-4	ACT-1	(E) FINISH TO REMAIN, REPLACE OR ADD VCT TILE AS NEEDE
)3	ORGANIC CHEMISTRY LAB	(E) VCT	(E) RUBBER BASE	P-2, P-4	ACT-1	(2) 1 111011 10 112111 1111, 1121 2102 011 1122 1101 1122 1101
)4	GRAPHICS SERVICE AREA	(E) VCT	(E) RUBBER BASE	(E) PAINT	ACT-1	
)5	BOTANY LAB	(E) VCT	(E) RUBBER BASE	P-2, P-4	ACT-1	
16	ANATOMY LAB	(E) VCT	(E) RUBBER BASE	P-2, P-3	ACT-1	
7	MICROBIOLOGY LAB	(E) VCT	(E) RUBBER BASE	P-2, P-3	ACT-1	
8	SCIENCE LECTURE HALL	(E) EXPOSED CONCRETE	(E) RUBBER BAS	P-X	ACT-1	
9	LOBBY	(E) VCT	(E) RUBBER BASE	P-X	ACT-1	
0	MEN RR	(E) TILE	(E) TILE	(E) TILE	GB-1	
1	WOMEN RR	(E) TILE	(E) TILE	(E) TILE	GB-1	
2	STAFF RR	T-5	B-2	T-1, T-2, T-3, T-4		
3	STORAGE	VCT-1	B-1	P-2	GB-1	
4	MECHANICAL ROOM	(E) EXPOSED CONCRETE	NO BASE	P-2	B.O.S.	
5	LECTURE PREP	(E) EXPOSED CONCRETE			ACT-1	
7	MICROBIOLOGY PREP	(E) VCT	(E) RUBBER BASE	(E) PAINT	ACT-1	
	JAN		(E) RUBBER BASE	(E) PAINT		
0		(E) VCT	(E) RUBBER BASE	(E) PAINT	ACT-1	
1	ANATOMY PREP	(E) VCT	(E) RUBBER BASE	(E) PAINT	ACT-1	
	BOTANY PREP	(E) VCT	(E) RUBBER BASE	(E) PAINT	ACT-1	
3	INSTRUCTOR PREP	(E) VCT	(E) RUBBER BASE	(E) PAINT	GB-1	
4A	STAF COPY AREA	(E) VCT	(E) RUBBER BASE	(E) PAINT	ACT-1	
4B	RECEIVING	(E) VCT	(E) RUBBER BASE	P-2	ACT-1	
5	LOCKED EXAM PICK-UP	(E) VCT	(E) RUBBER BASE	(E) PAINT	GB-1	
6	CENTRAL SUPPLY	(E) VCT, VCT-1	\	P-2	ACT-2	
	MAIL ROOM OFFICE	(E) VCT	(E) RUBBER BASE	(E) PAINT	ACT-1	
7B	MAIL PICK-UP	(E) VCT	(E) RUBBER BASE	(E) PAINT	ACT-1	
8	GRAPHIC OFFICE	(E) VCT	(E) RUBBER BASE	(E) PAINT	ACT-1	
9	GRAPHICS STORAGE	(E) VCT	(E) RUBBER BASE	(E) PAINT	ACT-1	
0	STORAGE ROOM	(E) VCT	(E) RUBBER BASE	(E) PAINT	ACT-1	
1	STORAGE ROOM	(E) VCT	(E) RUBBER BASE	(E) PAINT	ACT-1	
2	STORAGE ROOM	(E) VCT	(E) RUBBER BASE	(E) PAINT	ACT-1	
5	OFFICE	(E) VCT	(E) RUBBER BASE	P-2, P-3	ACT-1	
6	OFFICE	(E) VCT	(E) RUBBER BASE	P-2, P-3	ACT-1	
7	OFFICE	(E) VCT	(E) RUBBER BASE	P-2, P-3	ACT-1	
8	OFFICE	(E) VCT	(E) RUBBER BASE	P-2, P-3	ACT-1	
9	OFFICE	(E) VCT	(E) RUBBER BASE	P-2, P-3	ACT-1	
0	OFFICE	(E) VCT	(E) RUBBER BASE	P-2, P-3	ACT-1	
1	OFFICE	(E) VCT	(E) RUBBER BASE	P-2, P-3	ACT-1	
2	OFFICE	(E) VCT	(E) RUBBER BASE	P-2, P-3	ACT-1	
3	OFFICE	(E) VCT	(E) RUBBER BASE	P-2, P-3	ACT-1	
4	OFFICE	(E) VCT	(E) RUBBER BASE	P-2, P-3	ACT-1	
5	OFFICE	(E) VCT	(E) RUBBER BASE	P-2, P-3	ACT-1	
6	OFFICE	(E) VCT	(E) RUBBER BASE	P-2, P-3	ACT-1	
7	OFFICE	(E) VCT	(E) RUBBER BASE	P-2, P-3	ACT-1	
8	OFFICE	(É) VCT	(E) RUBBER BASE	P-2, P-3	ACT-1	
9	HALLWAY	(E) VCT	(E) RUBBER BASE	P-2	ACT-1	
0	CLOSET	(E) VCT	(E) RUBBER BASE	P-2	ACT-1	
51	CLOSET	(E) VCT	(E) RUBBER BASE	P-2	ACT-1	
	REAR SCREEN PROJ. ROOM	(E) VCT	(E) RUBBER BASE	P-2	GB-1	<del> </del>

### **GENERAL FINISH NOTES**

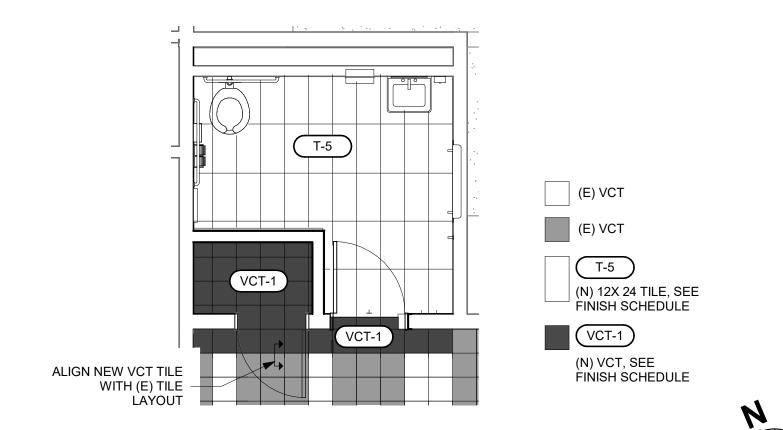
- A WHERE MULTIPLE WALL FINISHES ARE CALLED OUT, REFER TO INTERIOR ELEVATIONS FOR LOCATIONS OF
- WHERE MULTIPLE FLOOR FINISHES ARE CALLED OUT, REFER TO FLOOR FINISH PLANS FOR LOCATIONS OF INDIVIDUAL FINISHES.
- PROVIDE FINISHES TO COMPLY WITH FLAME SPREAD & SMOKE DENSITY REQUIREMENTS OF CBC 803 and 804.
- WHERE LEFT UNMARKED, (E) WALL FINISHES ARE TO REMAIN U.O.N.
- E IN ROOMS 301 & 302, DO NOT PAINT ABOVE MAP RAIL; PROTEC STENCIL PAINTING DURING CONSTRUCTION

### **FINISH LEGEND**

MARK	DESCRIPTION	MFR. / BRAND	COLOR / FINISH	COMMENTS
ACT-1	2'-0" X 4'-0" ACOUSTICAL CEILING TILES	USG	MILLENNIA CLIMA PLUS ILLUSION #78780	
ACT-2	2'-0" X 4'-0" ACOUSTICAL CEILING TILES, 1-HR RATED	USG	RADAR CLIMAPLUS PERFORMANCE 2425	1-HR FIRE RATED
B-1	4" RUBBER TOP SET BASE	BURKE MERCER	BLACK	
B-2	6"X 6"SANITARY TILE COVE BASE	DALTILE	ARTIC WHITE 0190 # S3619	
C-1	SOLID SURFACE	DURCON	BLACK ONYX	3/4" THICK
C-2	WOOD TOP	CUSTOM	MATCH LAB TABLE IN ROOM	
C-3	SOLID SURFACE	DURCON	BLACK ONYX	1" THICK
GB-1	GYPSUM BOARD		P-1	
GR-1	GROUT	TBD	DARK GREY	
P-1	INTERIOR PAINT	SHERWIN WILLIAMS	EXTRA WHITE - SW 7006	SUSPENDED CEILING GRI
P-2	INTERIOR PAINT	SHERWIN WILLIAMS	NAVAJO WHITE - SW 6126	FIELD COLOR
P-3	INTERIOR PAINT	SHERWIN WILLIAMS	HERBAL WASH - SW 7739	ACCENT 1
P-4	INTERIOR PAINT	SHERWIN WILLIAMS	POOLHOUSE - SW 7603	ACCENT 2
PWP	SOLID REINFORCED COMPOSITE	BOBRICK	SC02 – DESERT BEIGE SIERRA SERIES	
T-1	12"X 24" PORCELAIN FLOOR TILE	DALTILE	FABRIC ART COLOR BODY PORCELAIN WITH REVEAL IMAGING	
T-2	3" x 6" CERAMIC WALL TILE	DALTILE	COLOR WHEEL CLASSIC ARTIC WHITE 0190	FIELD TILE
T-3	3" x 6" CERAMIC WALL TILE	DALTILE	COLOR WHEEL CLASSIC, SPA 0148	ACCENT 1
T-4	3" x 6" CERAMIC WALL TILE	DALTILE	COLOR WHEEL CLASSIC, GALAXY 1469	ACCENT 2
T-5	2" x 6" CERAMIC BULLNOSE TILE	DALTILE	ARTIC WHITE 0190, #A4200	
VTC-1	12" X 12" VYNIL COMPOSITE TILE	ARMSTRONG VCT	STANDARD EXCELON IMPERIAL TEXTURE COLOR 51910 CLASSIC BLACK	



## (E) VCT TO (N) VCT TRANSITION SCALE: 6" = 1'-0"



2 ENLARGED ACC. STAFF RR FINISH FLOOR PLAN - 312 SCALE: 1/4" = 1'-0"

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: <u>02/17/2023</u>



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

fax: (408)-300-5121

PROJECT

Solano CCD BLDG 300



COMMUNITY COLLEGE SOLANO COMMUNITY

COLLEGE DISTRICT CONSULTANT



STATE DSA FILE NUMBER 02-120607 APPL#

REVISIONS

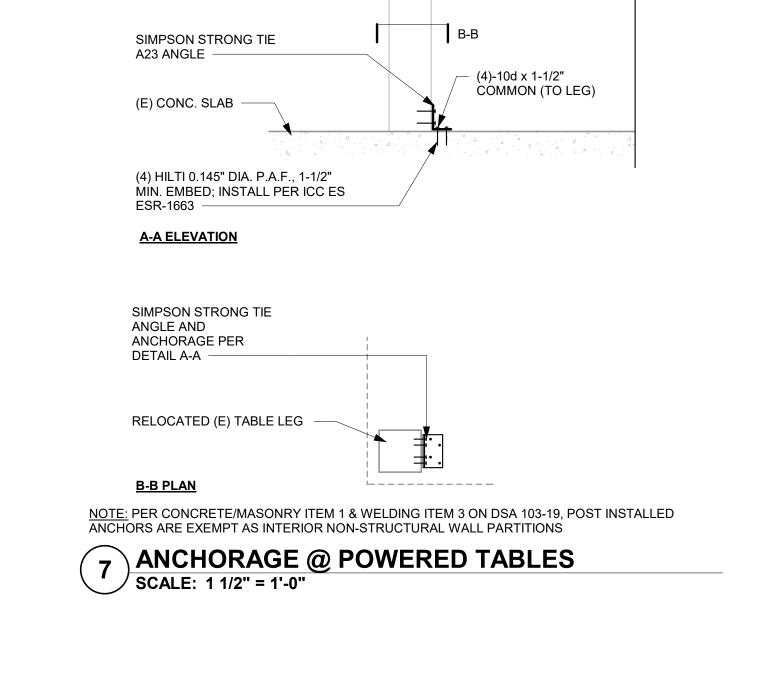
MILESTONES

06.17.2022 08.12.2022 50% CD 09.05.2022 90% CD 10.11.2022 DSA SUB 10.28.2022 DSA BACKCHECK 02.21.2023

FINISH SCHEDULE, LEGEND & DETAILS

DATE 02.21.2023

<sup>JOB #</sup> 2022012



# 1 ANATOMY LAB TABLE DETAILS & SECTION SCALE: 1/2" = 1'-0"

NOTE: PER CONCRETE/MASONRY ITEM 1 & WELDING ITEM 3 ON DSA 103-19, POST INSTALLED

ANCHORS ARE EXEMPT AS INTERIOR NON-STRUCTURAL WALL PARTITIONS

	SHEAR WALL SCHEDULE								
	TYPE 6								
	PLYWOOD OR OSB SHEATING THICKNESS:	3/8"							
CE	EDGE NAILING:	8d @ 6" O.C.							
SHEATING ONE FACE	3x MEMBERS REQUIRED AT PANEL EDGES:	NO							
SNI	3x SILL REQUIRED:	NO							
HEAT	FIELD NAILING:	8d @ 12" O.C.							
S	SILL CONNECTION (16d COMMON NAILS):	@ 6" O.C.							
	MUDSILL AB:	PER DTL. 1/A11.10							
	TOP CONNECTION:	PER DTL. 1/A11.10							
	ALLOWABLE SHEAR:	310							

	SHEAR WALL SCHEDULE										
	TYPE 6										
	PLYWOOD OR OSB SHEATING THICKNESS:	3/8"									
S S	EDGE NAILING:	8d @ 6" O.C.									
SHEATING ONE FACE	3x MEMBERS REQUIRED AT PANEL EDGES:	NO									
N.	3x SILL REQUIRED:	NO									
HEAT	FIELD NAILING:	8d @ 12" O.C.									
ν	SILL CONNECTION (16d COMMON NAILS):	@ 6" O.C.									
	MUDSILL AB:	PER DTL. 1/A11.10									
	TOP CONNECTION:	PER DTL. 1/A11.10									
	ALLOWARIE SHEAD:	310									



	SHEAR WALL SCHEDULE									
	TYPE 6									
	PLYWOOD OR OSB SHEATING THICKNESS:	3/8"								
CE	EDGE NAILING:	8d @ 6" O.C.								
SHEATING ONE FACE	3x MEMBERS REQUIRED AT PANEL EDGES:	NO								
ING	3x SILL REQUIRED:	NO								
HEAT	FIELD NAILING:	8d @ 12" O.C.								
S)	SILL CONNECTION (16d COMMON NAILS):	@ 6" O.C.								
	MUDSILL AB:	PER DTL. 1/A11.10								
	TOP CONNECTION:	PER DTL. 1/A11.10								
	ALLOWABLE SHEAR:	310								



	SHEAR WALL SCHEDUL	E	
	TYPE 6		
	PLYWOOD OR OSB SHEATING THICKNESS:	3/8"	
SHEATING ONE FACE	EDGE NAILING:	8d @ 6" O.C.	
	3x MEMBERS REQUIRED AT PANEL EDGES:	NO	
.ING	3x SILL REQUIRED:	NO 8d @ 12" O.C.	
HEAT	FIELD NAILING:		
싱	SILL CONNECTION (16d COMMON NAILS):	@ 6" O.C.	
	MUDSILL AB:	PER DTL. 1/A11.10	
	TOP CONNECTION:	PER DTL. 1/A11.10	
	ALLOWARIE CUEAR.	240	



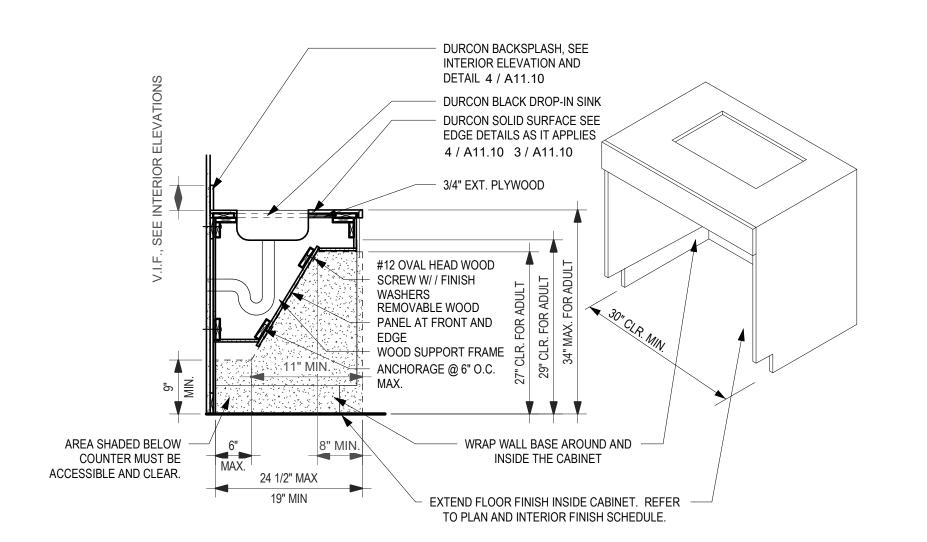
		6 SCALE: 3/4" = 1'-0"
	60 "	
	30" 6" 24"	
A-A		1" SOLID SURFACE COUNTER, SEE FINISH SCHEDULE  3/4" APA RATED EXP 1 SHEATHING  1" SOLID SURFACE COUNTER, SEE FINISH SCHEDULE  WOOD TABLE APRON  TYPE 6 SW PER SW SCHEDULE  RUN ELECTRICAL CONDUIT FOR POWER AND DATE THROUGH
1 1	30" x 48" CLR.	PONY WALL  SIMPSON DTT1Z W/ (6)-10d x  1-1/2" COMMON NAILS, INSTALL PER ICC ES ESR-2330, TYP. WHERE SHOWN  L50, EA SIDE W/#9X1-1/2
	PLAN VIEW	3/8" x 5" TITEN HD WITH 3-1/2"  MIN. EMBED & 150 FT-LBF MAX  TORQUE @ HOLD DOWN, INSTALL PER ICC ES ESR-2713,  TYP. WHERE SHOWN  CONNECTOR SCREW  SECTION AA

6 ACCESSIBLE CABINET BASE NO DOORS

TYP. WHERE SHOWN

RELOCATED (E) TABLE

RELOCATED (E) TABLE LEG



**CASEWORK GENERAL NOTES** 

REFER TO INTERIOR ELEVATIONS FOR QUANTITIES, LOCATIONS, AND COUNTER EDGE DETAILS. 3 CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS PRIOR TO FABRICATION.

- 3/4" CABINET TOP.

(2) #10 x 3/4" P.H.S.M.S. @ 16"

1/4" HEX HEAD LAG SCREW

AND MIN. 3/4" DIA. WASHER,

INTO STRUCTURE. 2" MIN.

2" x 2" x 2" x 0.120" STEEL CLIP

1/2" x 4" NAILER. CABINET BACK.

CABINET BACK.

1/2" x 4" NAILER.

1/4" HEX HEAD LAG SCREW AND

MIN. 3/4" DIA. WASHER, WITH 1-1/2" MIN. PENETRATION INTO

STRUCTURE. 2" MIN. FROM

EACH END AND 16" O.C.

3/4" CABINET BOTTOM.

PAINT ALL ANCHORAGE HARDWARE TO MATCH THE CABINET FACE TO WHICH IT IS BEING ATTACHED, THIS

CONTRACTOR SHALL SCRIBE ALL CABINET EDGES TO WALL SURFACE EVERYWHERE CABINET COMES

INTO CONTACT WITH WALL. CONTRACTOR SHALL ALSO PROVIDE A TOOLED BEAD OF CLEAR CAULK

FASTEN CABINETS TOGETHER USING 1-1/4" F.H.W.S. THROUGH CABINET FACE FRAME, TOP AND BOTTOM. PER CONCRETE/MASONRY ITEM 1 & WELDING ITEM 3 ON DSA 103-19, POST INSTALLED ANCHORS ARE

FROM EACH END AND 16" O.C.

WITH 1-1/2" MIN. PENETRATION

4 REFER TO "CABINET ANCHORAGE DETAILS (2x STUDS)" FOR TYPICAL CABINET ANCHORAGE REQUIREMENTS.

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

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITEC

REVIEWED FOR

SS 🗹 FLS 🗹 ACS 🗹

APP: 02-120607 INC:

DATE: 02/17/2023

PROJECT

Solano CCD BLDG 300 Modernization



COMMUNITY COLLEGE

SOLANO COMMUNITY

COLLEGE DISTRICT CONSULTANT

DSA FILE NUMBER 02-120607 APPL#

REVISIONS

MILESTONES 06.17.2022 08.12.2022 09.05.2022 50% CD 90% CD 10.11.2022 DSA SUB 10.28.2022

02.21.2023

DSA BACKCHECK

CASEWORK SCHEDULE & DETAILS

02.21.2023

2022012

**CASEWORK SCHEDULE** 

2'-10"

2'-10"

3'-0"

3'-0"

3'-0"

CASWEWORK DESIGN

SERIES

G07W342248

G07W342236

G00W362236

**NOTE:** 1. BASE CABINET HEIGHT IS TO TOP OF COUNTERTOP

2. SINK SUPPORT NEEDS TO BE PROVIDED SEPARATLY

CABINET

C-1

C-2

C-3

DETAIL LOCATION KEY

Scale: 3" = 1'-0"

2x STUDS. SEE

WALL BLOCKING AT

EACH ATTACHMENT

POINT. SEE TYPICAL

WALL BLOCKING

DETAIL.

Scale: 3" = 1'-0"

3/4" CABINET FLOOR.

CONC. FLOOR.

24" O.C. 1" MIN.

ICC ES ESR-1663

**WOOD FLOOR** 

Scale: 3" = 1'-0"

2 CABINET ANCHORAGE DETAILS (2x STUDS)
SCALE: 3" = 1'-0"

#10 x 2" F.H.W.S. @ 16" O.C.,

WITH 1-1/4" EMBEDMENT.

0.145" HILTI LOW-VELOCITY

SHOT THROUGH WASHER @

PENETRATION; INSTALL PER

#12 x 3" P.H.S.M.S. @ 24" O.C.

1-1/2" MIN. PENETRATION;

PROVIDE HOT DIPPED GALVANIZED FASTENERS

CONT. 2 x 4 P.T.D.F

POWER ACTIVATED PIN

PLANS.

BASE OF DESIGN KEWAUNEE LAB-CASEWORK

HEIGHT DEPTH

1'-10"

1'-10"

FINISH

WOODLAND

WOODLAND

1'-10" WOODLAND

OAK

OAK

ISLAND TYPE

CASEWORK 4'-0" HIGH

COUNTER TOP, SEE PROFILE DETAIL

- (2) #10 x 3/4" P.H.S.M.S. @

1/4" HEX HEAD LAG SCREW

AND MIN. 3/4" DIA. WASHER,

STRUCTURE. 2" MIN. FROM

EACH END AND 16" O.C.

GLUE AND NAIL, TYP.

— 3/4" TOE BOARD.

- FLOOR FINISH AND WALL 뜻

BASE. SEE INTERIOR

FINISH SCHEDULE.

4 / A11.10

16" O.C. TYP.

WITH 1-1/2" MIN.

— 2" x 2" x 2" x 0.120" STEEL CLIP.

CABINET BACK.

PENETRATION INTO

OAK

STYLE

STYLE 1

CONVENTIONAL

STYLE 1

CONVENTIONAL

CONVENTIONAL

RADIUS LIP

RADIUS LIP STYLE 1

RADIUS LIP

COMMENTS

PULL STYLE 8

2x STUDS. SEE

WALL BLOCKING AT

EACH ATTACHMENT

POINT. SEE TYPICAL WALL BLOCKING

PLANS.

DETAIL. 8 / A9.10

Scale: 3" = 1'-0"

2x STUDS. SEE PLANS.

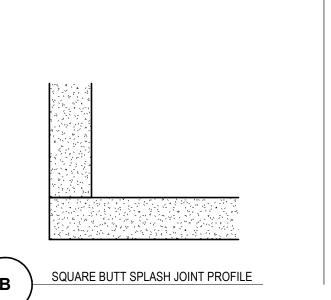
WALL BLOCKING AT

EACH ATTACHMENT

WALL BLOCKING DETAIL.

Scale: 3" = 1'-0"

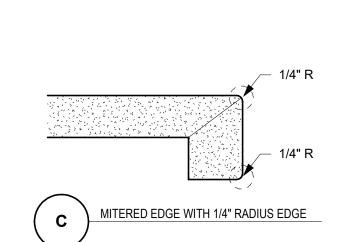
POINT. SEE TYPICAL



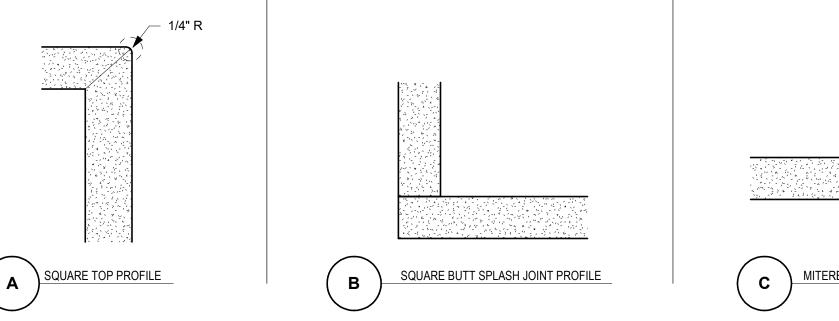
INCLUDES ALL SCREW HEADS.

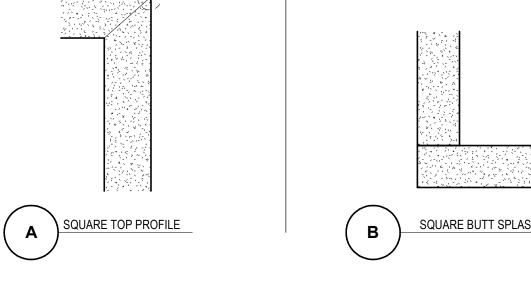
BETWEEN ALL CABINET EDGES AND WALL.

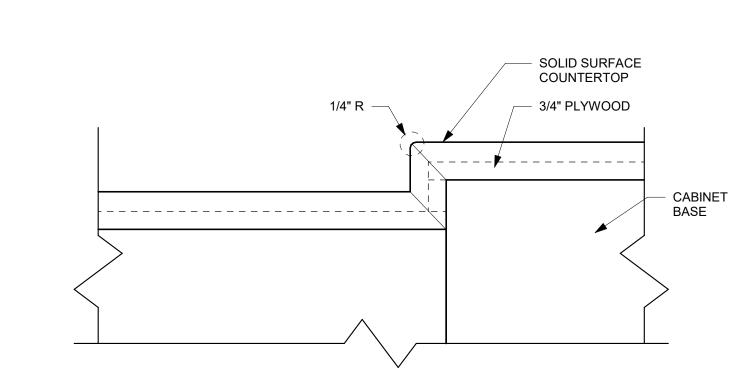
EXEMPT AS INTERIOR NON-STRUCTURAL WALL PARTITION



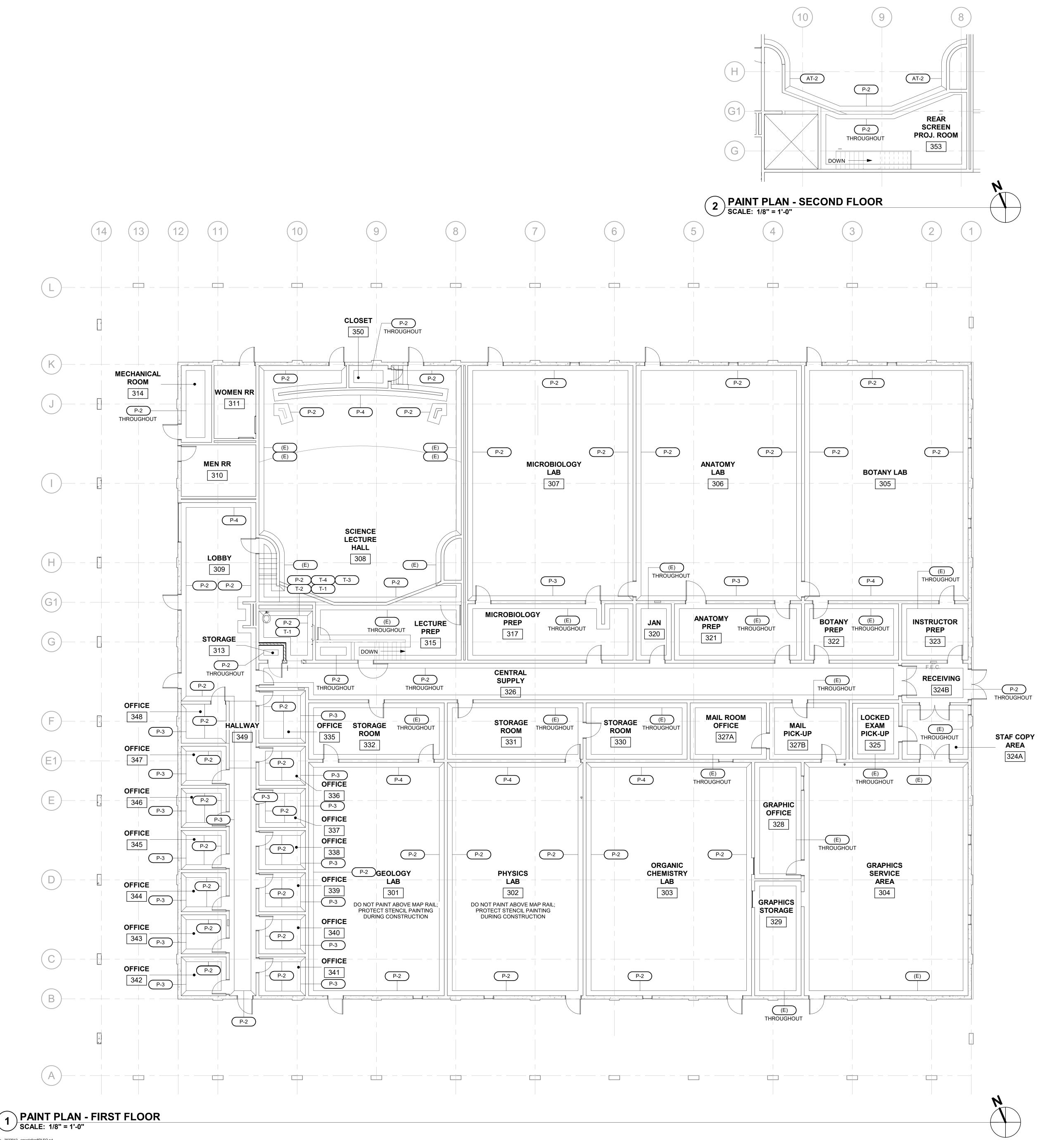








3	COUNTER DETAIL @ JUNCTION SCALE: 3" = 1'-0"
(J	SCALE: 3" = 1'-0"



- WHERE MULTIPLE WALL FINISHES ARE CALLED OUT, REFER TO INTERIOR ELEVATIONS FOR LOCATIONS INDIVIDUAL FINISHES.
- WHERE MULTIPLE FLOOR FINISHES ARE CALLED OUT, REFER TO FLOOR FINISH PLANS FOR LOCATIONS OF INDIVIDUAL FINISHES.

PROVIDE FINISHES TO COMPLY WITH FLAME SPREAD & SMOKE DENSITY REQUIREMENTS OF CBC 803 and

- WHERE LEFT UNMARKED, (E) WALL FINISHES ARE TO REMAIN U.O.N.
- IN ROOMS 301 & 302, DO NOT PAINT ABOVE MAP RAIL; PROTEC STENCIL PAINTING DURING CONSTRUCTI



IDENTIFICATION STAMP

REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

APP: 02-120607 INC:

www.aedisarchitects.co 387 S. 1st Street, Suite 300 San Jose, CA 9511 tel: (408)-300-516 fax: (408)-300-512:

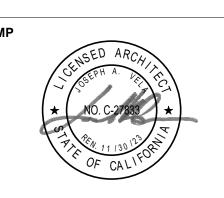
PROJECT

Solano CCD BLDG 300 Modernization

LEGEND

REFER TO FINISH LEGEND ON SHEET A11.01

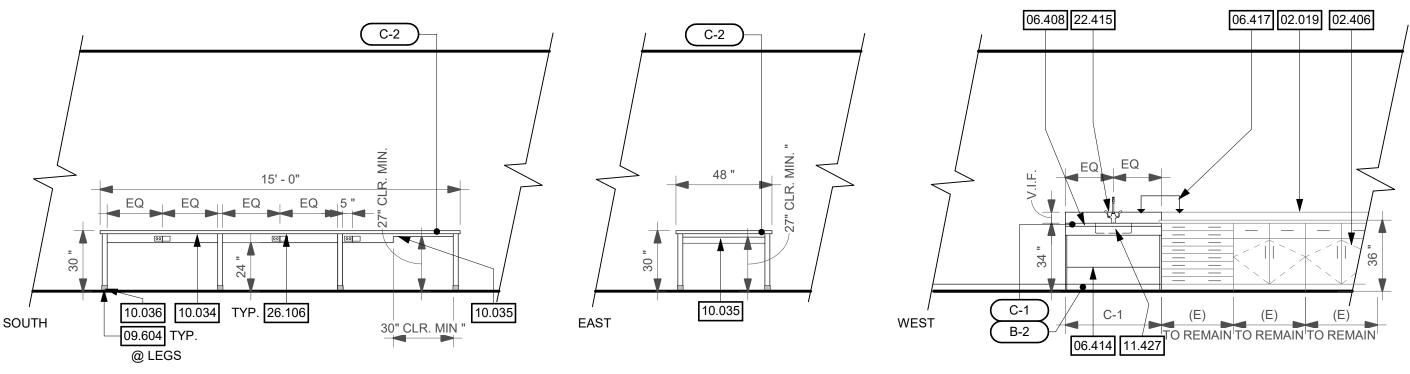
SOLANO COMMUNITY COLLEGE DISTRICT CONSULTANT



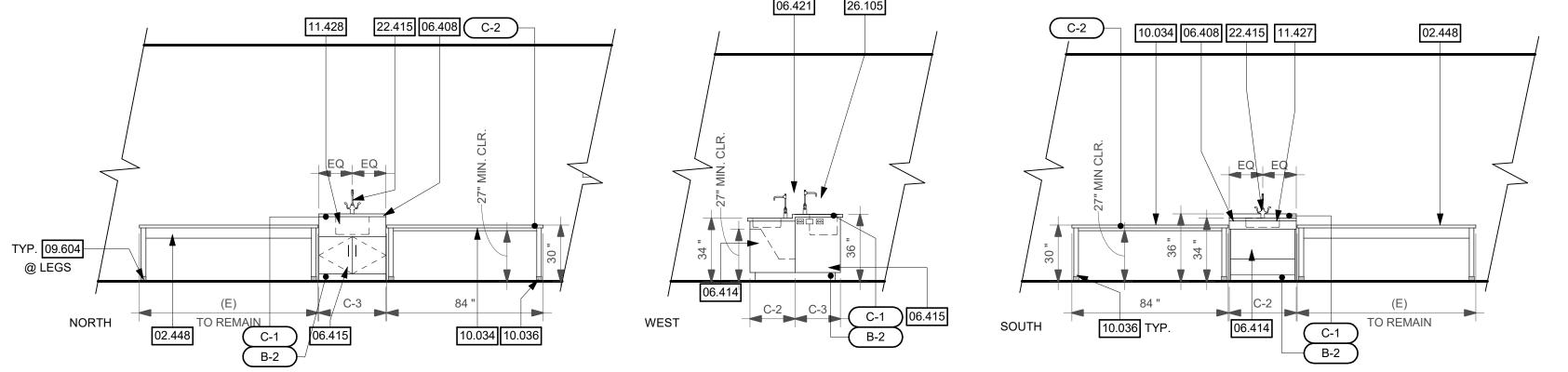
DSA FILE NUMBER 02-120607

06.17.2022 08.12.2022 50% CD 09.05.2022 90% CD 10.11.2022 DSA SUB 10.28.2022

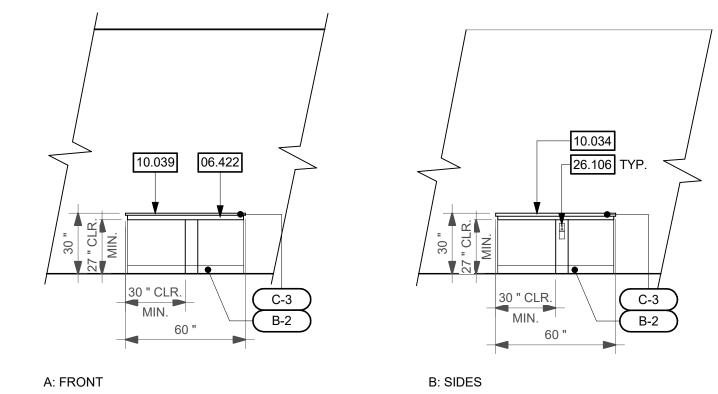
PAINT PLAN



301 GEOLOGY LAB - ELEVATION
SCALE: 1/4" = 1'-0"



2 302 PHYSIC LAB - ELEVATION SCALE: 1/4" = 1'-0"



306 ANATOMY LAB - ELEVATION SCALE: 1/4" = 1'-0"

### **GENERAL SHEET NOTES**

- A FOR INTERIOR FINISHES NOT SHOWN ON ELEVATIONS REFER TO INTERIOR FINISH SCHEDULE.
- B CABINET ELEVATIONS AS SHOWN IN THE INTERIOR ELEVATIONS ARE FOR REFERENCE ONLY. ACTUAL CABINET DESIGN CRITERIA AND SIZES ARE DESIGNATED IN THE CASEWORK SCHEDULE WHERE INDIVIDUAL CASEWORK DESIGN REQUIREMENTS DO NOT FIT WITHIN THE CDS NUMBERING SYSTEM CABINETS ARE DETAILED SEPARATELY AS REFERENCED IN THE CASEWORK
- C SEE TYPICAL FIXTURE MOUNTING HEIGHTS DETAIL FOR MOUNTING HEIGHT OF ACCESSORIES.
- D ALL EXPOSED CONDUITS AND PIPES SHALL BE PAINTED U.O.N.
- E ALL ITEMS REFERENCED IN KEYNOTES ARE TO BE PROVIDED NEW, U.O.N.
- F REFER TO SHEET A11.10 FOR CABINET ANCHORAGE DETAILS.

**ENLARGED PLAN KEYNOTES** 

02.406 (E) CASEWORK TO REMAIN, TYP. 02.448 (E) BUILT-IN LAB TABLE TO REMAIN

02.019 (E) SOLID SURFACE COUNTERTOP AND BACKSPLASH

06.422 LAB TABLE DETAIL AND ANCHORAGE SEE 1 / A11.10

FLOOR WITH EXPENSION ANCHORS 7 / A11.10

SOLID SURFACE EDGE DETAIL 4/A.11.10

22.415 ADA ACCESSIBLE LABORATORY FAUCET, S.P.D.

4" RUBBER BASE

DURCON SOLID SURFACE 3/4"

DURCON SOLID SURFACE 1"

FINISH LEGEND

B-2 C-1 C-2 C-3

09.604 4 INCH THERMOPLASTIC-RUBBER BASE

06.408 SOLID SURFACE COUNTERTOP, EDGE DETAIL SEE 4 / A11.10

06.414 ACCESSIBLE SINK CABINET, S.P.D., SEE CASEWORK SCHEDULE AND DETAIL 6 / A11.10

06.417 SOLID SURFACE BACKSPLASH, MATCH ADJACENT (E) BACKSPLASH HEIGHT

10.034 ACCESSIBLE BUILT-IN WOOD LAB TABLE. MATCH (E) TABLES FINISH. 10.035 PROVIDE SOLID PANEL TO HIDE ELECTRICAL COMPONENTS.

06.421 SOLID SURFACE DUAL HEIGHT COUNTERTOP CONNECTION DETAIL 3 / A11.10

11.427 DROP-IN ADA SOLID SURFACE SINK, DURCON, MODEL A26 5" DEEP, BLACK ONYX 11.428 DROP-IN SOLID SURFACE SINK, DURCON, MODEL A26 11" DEEP, BLACK ONYX

06.415 SINK CABINET W/ INTEGRATED POWER AND DATA. S.E.D., S.P.D. DRAWINGS AND DETAIL 6 / A11.10

10.036 TABLE LEG FLOOR MOUNTING BRACKET, MATCH (E) LAB TABLE BRACKET AND SECURE TO THE

26.105 POWER OUTLET AND DATA PORT RECEPTACLE MOUNTED ON BOTH SIDES OF CABINETS, S.E.D. 26.106 POWER OUTLET AND DATA PORT RECEPTACLE MOUNTED ON BOTH SIDES OF THE TABLE, S.E.D.

10.039 ACCESSIBLE BUILT-IN LAB TABLE WITH SOLID SURFACE COUNTERTOP, SEE FINISH TAG AND

G AT ROOMS 301 & 302, DO NOT PAINT ABOVE MAP RAIL; PROTECT STENCIL DURING CONSTRUCTION

# SS 🗹 FLS 🗹 ACS 🗹 DATE: 02/17/2023

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITEC

REVIEWED FOR

APP: 02-120607 INC:

# architects

San Jose, CA 95113 tel: (408)-300-5160 fax: (408)-300-5121

www.aedisarchitects.com 387 S. 1st Street, Suite 300

Solano CCD BLDG 300

PROJECT

# Modernization



COMMUNITY COLLEGE SOLANO COMMUNITY

COLLEGE DISTRICT CONSULTANT

DSA FILE NUMBER

02-120607 APPL#

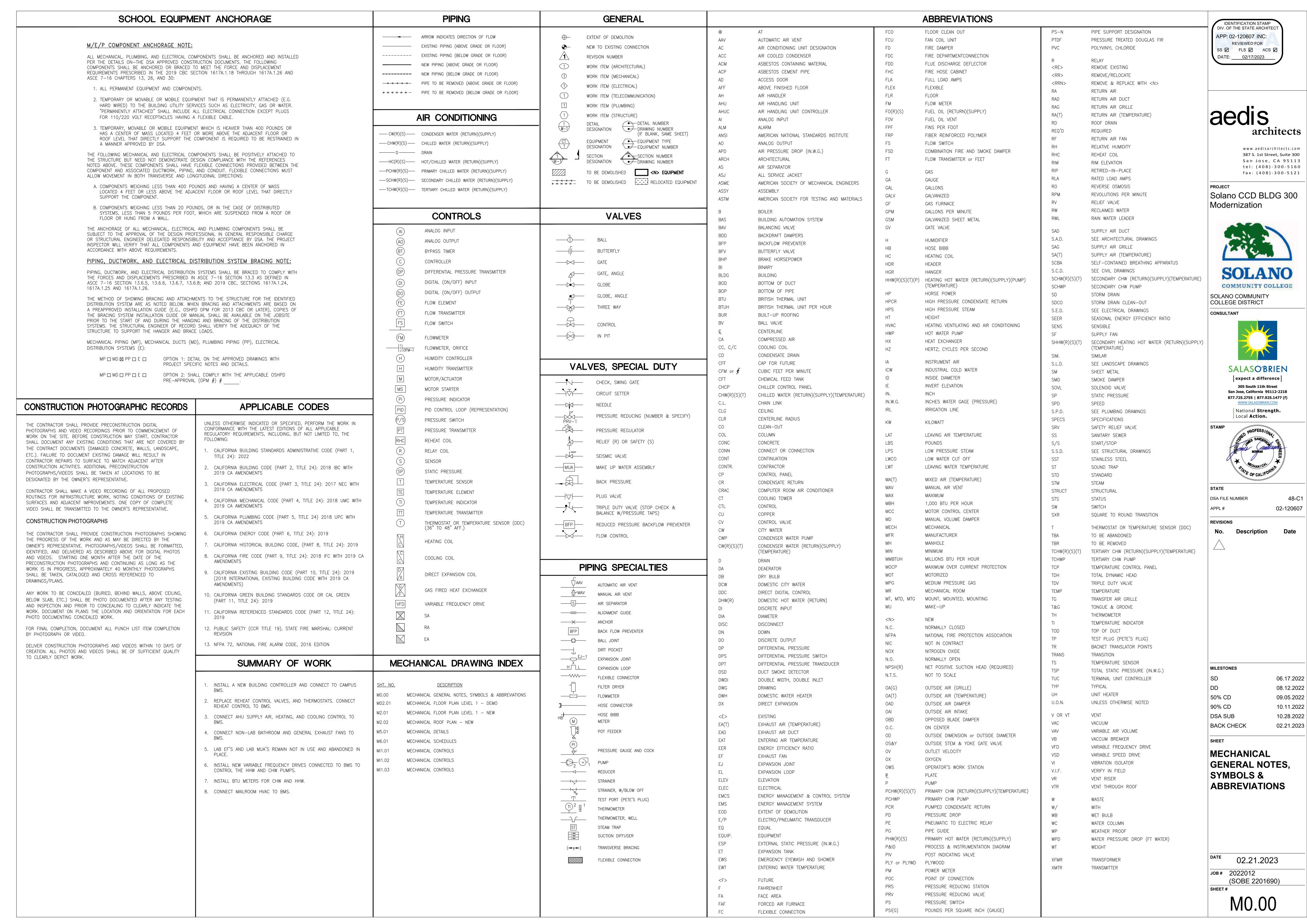
REVISIONS

### **MILESTONES**

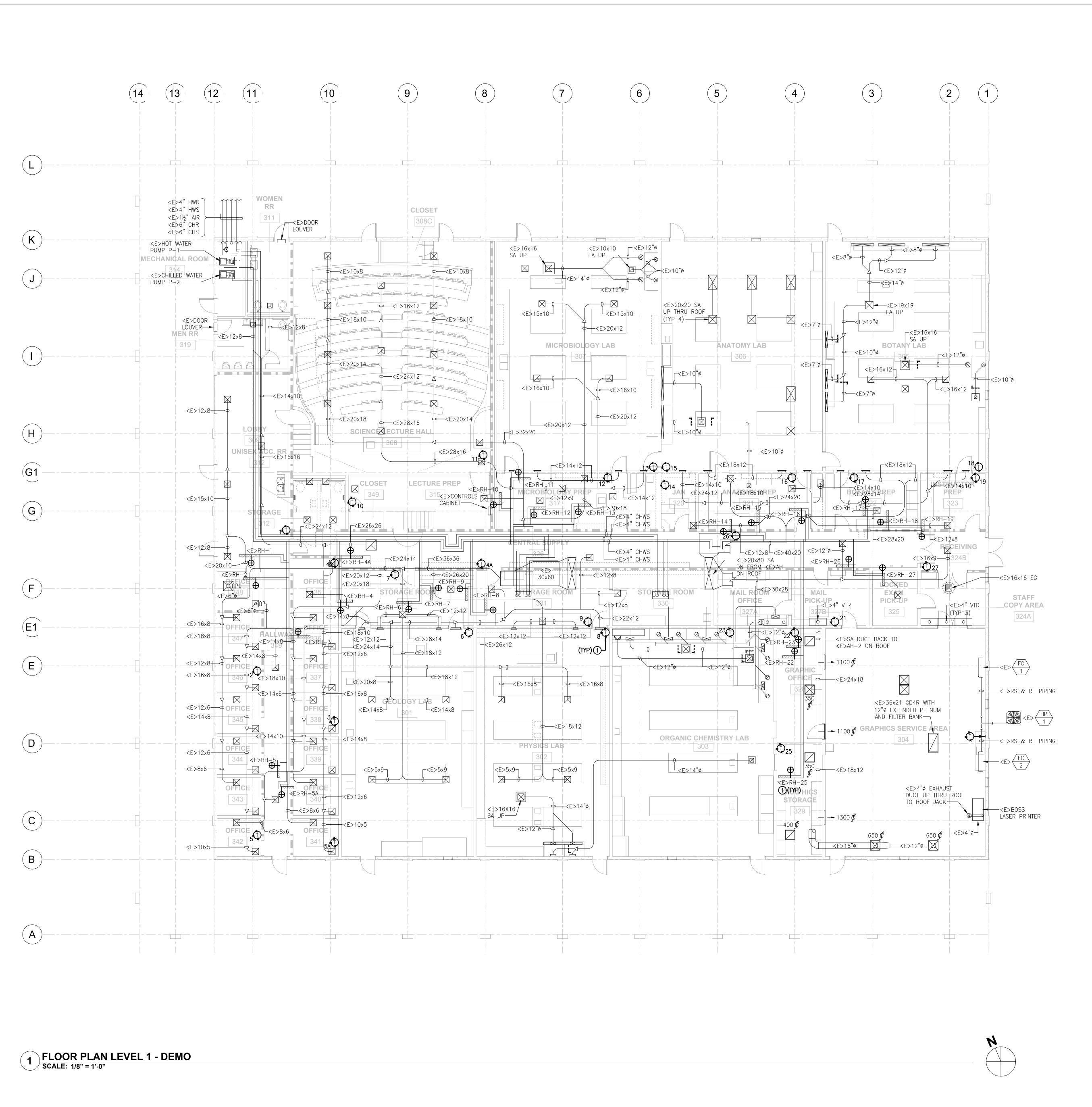
06.17.2022 08.12.2022 50% CD 09.05.2022 90% CD 10.11.2022 DSA SUB 10.28.2022 DSA BACKCHECK 02.21.2023

INTERIOR **ELEVATIONS** 

DATE 02.21.2023



K:\drawings\Aedis\2201690 B300 HVAC Modernization\2201690M0.00.dwg 2/9/2023 11:15 AM Rick Padua



- A. THE INTENT OF THIS PROJEC IS TO PROVIDE THE CAMPUS THE ABILITY TO MONITOR AND CONTROL THE AHU'S, EF'S, PUMPS, AND REHEAT VALVES AT THE BUILDING. THIS PROJECT DOESN'T MAKE ANY CHANGES TO THE WAY THE AIRFLOW IS BALANCED AT THE BUILDING. THE CONTRACTOR IS TO MAINTAIN THE EXISTING AIRIFLOW TO AND FROM THE SPACES.
  - B. CONTROLS CONTRACTOR SHALL PROVIDE LOW VOLTAGE CONTROL WIRING AND TRANSFORMER
  - C. ELECTRICAL CONTRACTOR SHALL PROVIDE 120V POWER AND CONDUITS FOR CONTROLLERS AND SHALL VERIFY POWER TO EXHAUST FANS THAT SERVE CLASSROOM AND OFFICES.
- D. HYDRONIC PIPING TO REMAIN UNCHANGED. ONLY CONTROL VALVES ARE TO BE REPLACED.
- E. NO MODIFICATIONS TO THE DUCTWORK FOR THIS PROJECT.

REFERENCE SHEET NOTES

1. DEMO REHEAT COIL PNEUMATIC ACTUATORS AND THERMOSTATS.

- F. CONTRACTOR SHALL MEASURE AIRFLOW AT ALL DIFFUSERS, RETURN GRILLES, AND EXHAUST GRILLES PRIOR TO PERFORMING ANY WORK. THE SYSTEM AIRFLOWS SHALL BE KEPT THE SAME FOR THE CONTROLS UPGRADE.
- . MAINTAIN FIRE RATING AT WALLS WHERE CONTROLS CONDUIT AND CONTROLS CABLE PASS THROUGH FIRE RATED WALLS. SEE DETAILS 1 THRU 4/M-5.1 FOR FIRESTOPPING SYSTEM NEEDED TO MAINTAIN FIRE RATING AT THROUGH PENTRATIONS

### IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 02/17/2023



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

PROJECT Solano CCD BLDG 300 Modernization

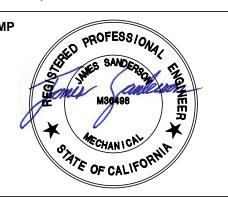


SOLANO COMMUNITY COLLEGE DISTRICT

CONSULTANT



National Strength.



DSA FILE NUMBER 02-120607

Description

**GRAPHIC KEY** 

**BUILDING KEY** 

BUILDINGS IN SCOPE

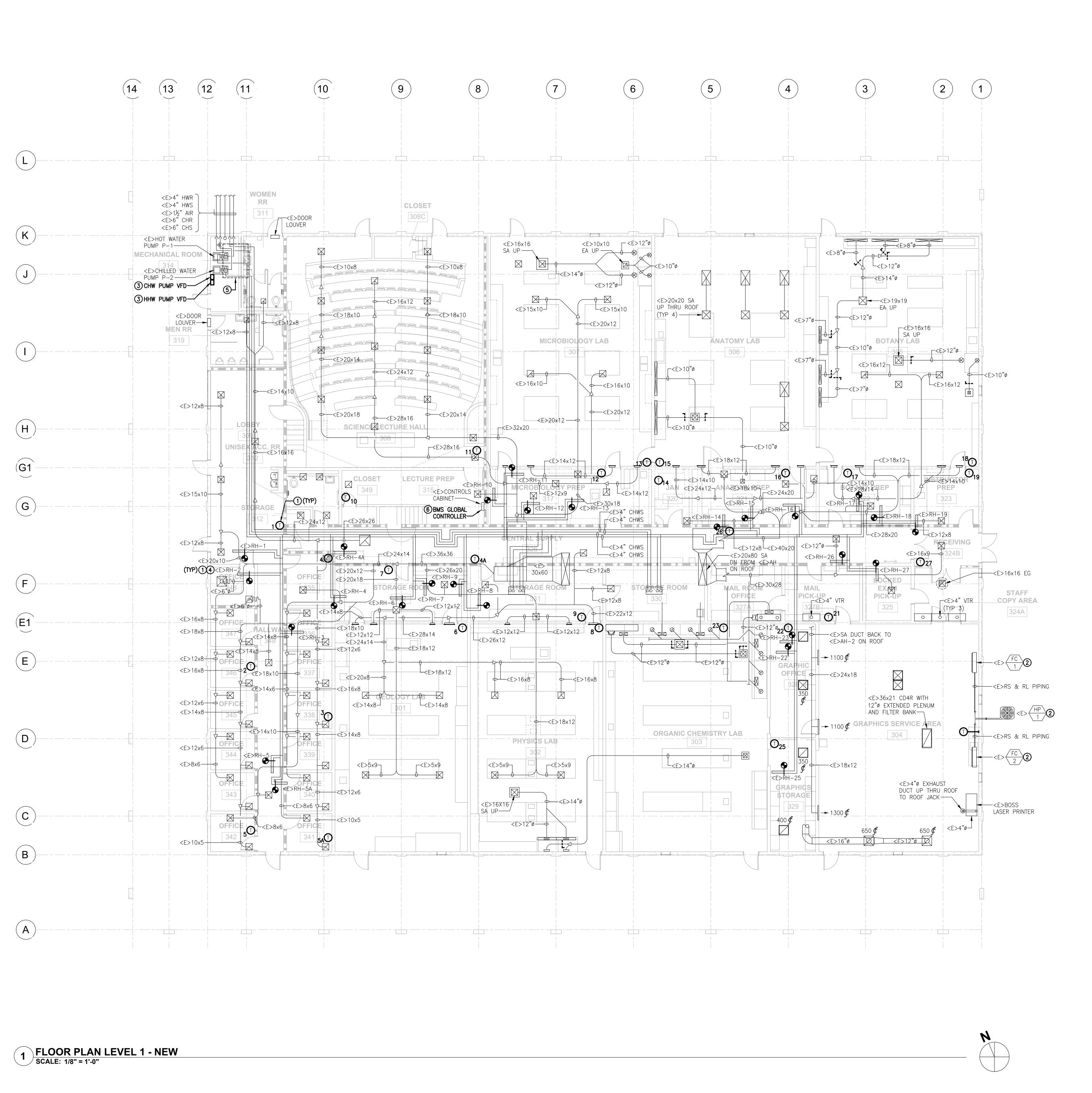
**WALL TYPES** (E) WOOD FRAME WALL TO REMAIN (E) CONCRETE WALL TO REMAIN (E) 1-HOUR RATED WALL TO REMAIN 1-HOUR RATED WALL

06.17.2022 08.12.2022 50% CD 09.05.2022 10.11.2022 90% CD 10.28.2022 DSA SUB 02.21.2023 BACK CHECK

**MECHANICAL FLOOR PLAN** LEVEL 1 - DEMO

02.21.2023 Јов# 2022012

(SOBE 2201690)



- A. THE INTENT OF THIS PROJEC IS TO PROVIDE THE CAMPUS THE ABILITY TO MONITOR AND CONTROL THE AHU'S, EF'S, PUMPS, AND REHEAT VALVES AT THE BUILDING. THIS PROJECT DOESN'T MAKE ANY CHANGES TO THE WAY THE AIRFLOW IS BALANCED AT THE BUILDING. THE CONTRACTOR IS TO MAINTAIN THE EXISTING AIRIFLOW TO AND FROM THE SPACES.
  - B. CONTROLS CONTRACTOR SHALL PROVIDE LOW VOLTAGE CONTROL WIRING AND TRANSFORMER
  - C. ELECTRICAL CONTRACTOR SHALL PROVIDE 120V POWER AND CONDUITS FOR CONTROLLERS AND
- SHALL VERIFY POWER TO EXHAUST FANS THAT SERVE CLASSROOM AND OFFICES. D. HYDRONIC PIPING TO REMAIN UNCHANGED. ONLY CONTROL VALVES ARE TO BE REPLACED.
- E. NO MODIFICATIONS TO THE DUCTWORK FOR THIS PROJECT.
- CONTRACTOR SHALL MEASURE AIRFLOW AT ALL DIFFUSERS, RETURN GRILLES, AND EXHAUST GRILLES PRIOR TO PERFORMING ANY WORK. THE SYSTEM AIRFLOWS SHALL BE KEPT THE SAME FOR THE CONTROLS UPGRADE.
- . MAINTAIN FIRE RATING AT WALLS WHERE CONTROLS CONDUIT AND CONTROLS CABLE PASS THROUGH FIRE RATED WALLS. SEE DETAILS 1 THRU 4/M-5.1 FOR FIRESTOPPING SYSTEM NEEDED TO MAINTAIN FIRE RATING AT THROUGH PENTRATIONS

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 02/17/2023



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

www.aedisarchitects.com

Solano CCD BLDG 300 Modernization



### SOLANO COMMUNITY COLLEGE DISTRICT

CONSULTANT

FURNISH AND INSTALL REHEAT ELECTRIC CONTROL VALVE AND THERMOSTAT. CONNECT TO BMS. MOUNT THERMOSTAT ON WALL WITH LOW REACH MEASURED AT 15" AFF TO THE BOTTOM OF THE THERMOSTAT AND HIGH REACH MEASURED AT MAXIMUM OF 48" AFF TO THE TOP OF THE THERMOSTAT WHERE OBSTRUCTION IS 20" MAXIMUM. WHERE OBSTRUCTED HIGH FORWARD REACH >20"-25", THEN THE TOP OF THE THERMOSTAT IS AT MAXIMUM OF 44" AFF.

- 2. CONNECT HP-1, FC-1, AND FC-2 TO BMS.
- FURNISH AND INSTALL VFD'S CONNECTING TO BMS TO CONTROL PUMPS. SEE SEE DETAIL 5/M-5.1 FOR ANCHORING VFD TO THE WALL.
- 4. FURNISH AND INSTALL CONTROLLER ON CEILING NEAR REHEAT COIL.

REFERENCE SHEET NOTES

- 5. INSTALL BTU METERS ON CHW SUPPLY & RETURN AND ON HHW SUPPLY & RETURN.
- 6. FURNISH AND INSTALL GLOBAL CONTROLLER. INSTALL AT EXISTING CONTROLS CABINET. CONNECT TO





DSA FILE NUMBER

02-120607 Description

### **GRAPHIC KEY**

**BUILDING KEY** 

BUILDINGS IN SCOPE

**WALL TYPES** (E) WOOD FRAME WALL TO REMAIN (E) CONCRETE WALL TO REMAIN (E) 1-HOUR RATED WALL TO REMAIN 1-HOUR RATED WALL

> 50% CD 90% CD DSA SUB BACK CHECK

**MECHANICAL FLOOR PLAN LEVEL 1 - NEW** 

06.17.2022

08.12.2022

09.05.2022

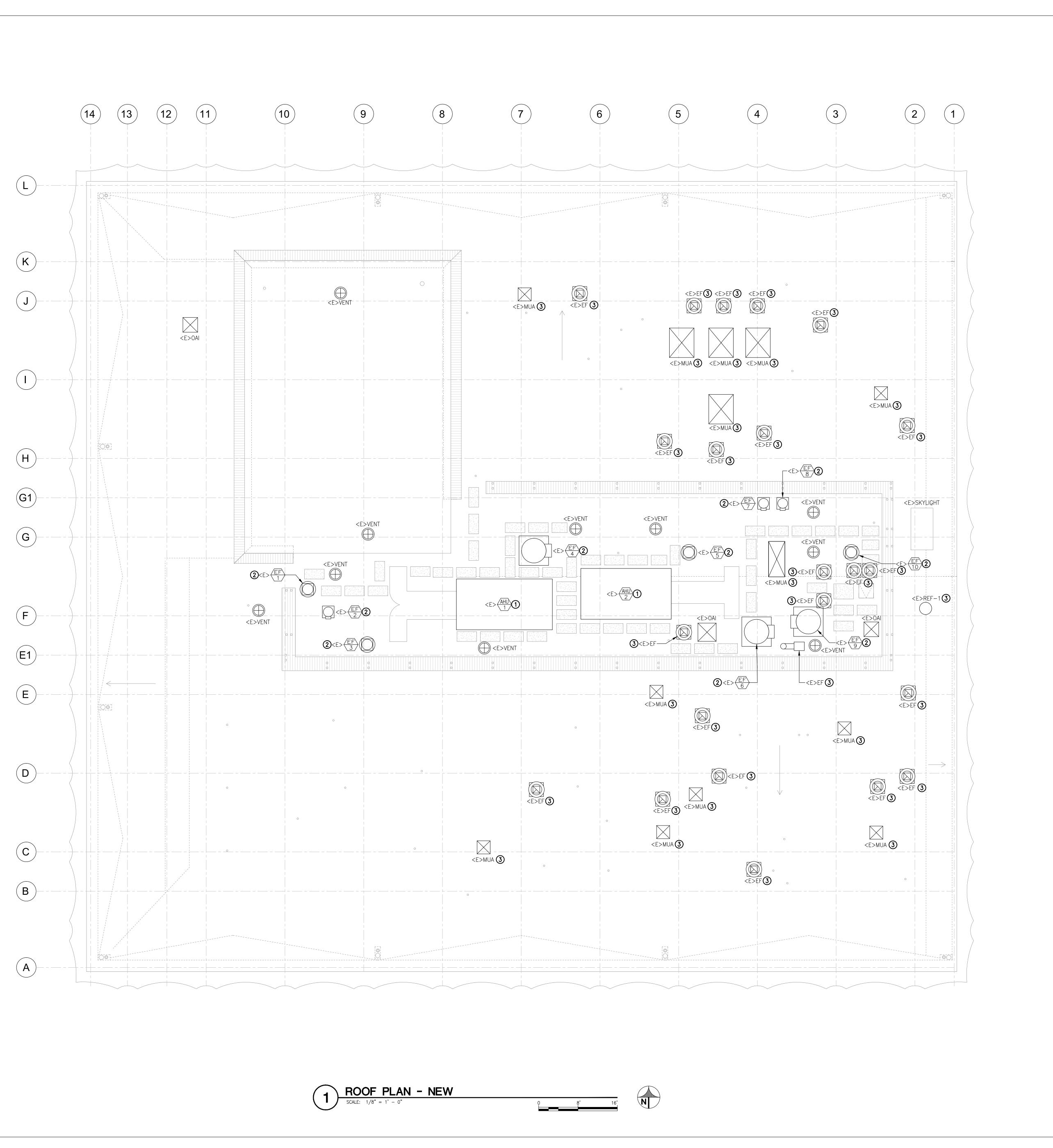
10.11.2022

10.28.2022

02.21.2023

02.21.2023 **ЈОВ#** 2022012

(SOBE 2201690)



REFERENCE SHEET NOTES

DRAWINGS FOR CONTROLS DESIGN.

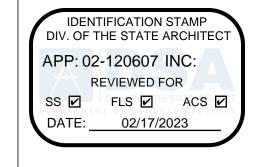
DRAWINGS FOR CONTROLS DESIGN.

3. EF'S AND MUA'S NOT IN USE AND ABANDONED IN PLACE.

CONNECT <E> AIR HANDLING UNIT TO THE NEW GLOBAL CONTROLLER LOCATED IN ROOM 315. SEE MI

CONNECT <E> EXHASUT FAN TO THE NEW GLOBAL CONTROLLER LOCATED IN ROOM 315. SEE MI

- A. CONTRACTOR TO VERIFY POWER TO EXHAUST FANS THAT SERVE CLASSROOM SPACES.
- B. CONTROLS CONTRACTOR SHALL PROVIDE LOW VOLTAGE CONTROL WIRING AND TRANSFORMER
- C. ELECTRICAL CONTRACTOR SHALL PROVIDE 120V POWER AND CONDUITS FOR CONTROLLERS. D. HYDRONIC PIPING TO REMAIN UNCHANGED. ONLY PUMPS AND CONTROL VALVES ARE TO BE REPLACED.
- E. NO MODIFICATIONS TO THE DUCTWORK FOR THIS PROJECT.
- F. CONTRACTOR SHALL MEASURE AIRFLOW AT ALL OPERABLE AHU'S AND EF'S PRIOR TO PERFORMING ANY WORK. THE SYSTEM AIRFLOWS SHALL BE KEPT THE SAME FOR THE CONTROLS UPGRADE.





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

Solano CCD BLDG 300 Modernization



SOLANO COMMUNITY COLLEGE DISTRICT

CONSULTANT



expect a difference National Strength.
Local Action.



02-120607

DSA FILE NUMBER

No.

06.17.2022 08.12.2022 09.05.2022 50% CD 10.11.2022 90% CD 10.28.2022 DSA SUB 02.21.2023

BACK CHECK

**MECHANICAL ROOF PLAN -**NEW

02.21.2023

Јов# 2022012 (SOBE 2201690)

**BUILDING KEY** 

**LEGEND BUILDINGS IN SCOPE** 

K:\drawings\Aedis\2201690 B300 HVAC Modernization\2201690M2.02.dwg 2/9/2023 11:16 AM Rick Padua

BOLT & CHANNEL NUT -UNISTRUT TO EQUIPMENT ├<del>-</del> EQUIPMENT PER PLAN ---HORIZONTAL UNISTRUT P1000 AS REQUIRED FOR EQUIPMENT SUPPORT (TYP)

1-3/8"

(TYP)

<E>FULLY GROUTED

CMU WALL (VIF) ----

1/2" DIA. HILTI KB-TZ2

WITH 3-1/4" NOMINAL EMBED, INSTALL PER ICC ES ESR-4266, TYP EA END OF UNISTRUT, MIN. (2)

ANCHORS TO BE TORQUE

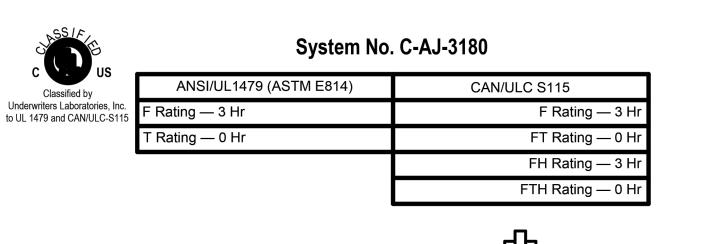
TESTED PER DSA-103.

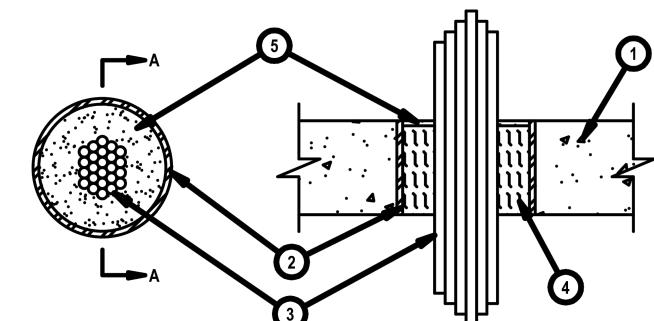
\_ \_ \_ \_ \_ \_ \_ \_

**4** – – – – + +

VFD ANCHORAGE TO EXISTING CMU WALL DETAIL
SCALE: N.T.S.

PANEL (TYP | 4)





### **SECTION A-A**

1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600 2400 kg/m3) concrete floor or min 4-3/4 in. (121 mm) thick reinforced lightweight or normal weight concrete wall. Wall may also be constructed of any UL Classified Concrete

Blocks\*. Max diam of opening is 6 in.(152 mm). See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Steel Sleeve — (Optional) — Nom 6 in. (152 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe cast or grouted into floor or wall assembly, flush with floor or wall surfaces.

3. Cables — Aggregate cross-sectional area of cables in opening to be max 45 percent of the aggregate cross-sectional area of the opening. Cables to be rigidly supported on both sides of floor or wall assembly. Any combination of the following types and sizes of metallic conductor or fiber optic

cable may be used: A. Max 500 kcmil single copper connector power cable with thermoplastic insulation and polyvinyl chloride (PVC) jacket. B. Max 300 pair No. 24 AWG copper conductor telecommunication cables with polyvinyl chloride (PVC) insulation and jacket material.

C. Max 7/C copper conductor No. 12 AWG multiconductor power and control cables with polyvinyl chloride (PVC) or cross-linked polyethylene

(XLPE) insulation and PVC jacket. D. Multiple fiber optical communication cables jacketed with PVC and having a max outside diam of 1/2 in. (13 mm).

E. Max 3/C copper conductor No. 12 AWG with bare aluminum ground, polyvinyl chloride (PVC) insulated steel, Metal-clad cable. F. Max 3/C with ground 2/0 AWG copper conductor SER cable with cross-linked polyethylene (XLPE) insulation and polyvinyl chloride (PVC)

G. RG/U coaxial cable with polyethylene (PE) insulation and polyvinyl chloride (PVC) jacket having a max outside diameter of ½ in. (13 mm)

H. Fire Resistive Cables\* - Max 1-1/4 in. (32 mm) diam single conductor or multi conductor Type MI cable. A min 1/8 in. (3 mm) separation shall be maintained between MI cables and any other types of cable. 4. Packing Material — Min 4-1/4 in. (108 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a

permanent form. Packing material to be recessed from top surface of floor to accommodate the required thickness of fill material. 5. Fill, Void or Cavity Material\* — Sealant — Min 1/4 in. (6.4 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada),

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant or FS-ONE MAX Intumescent Sealant.



Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. January 13, 2015

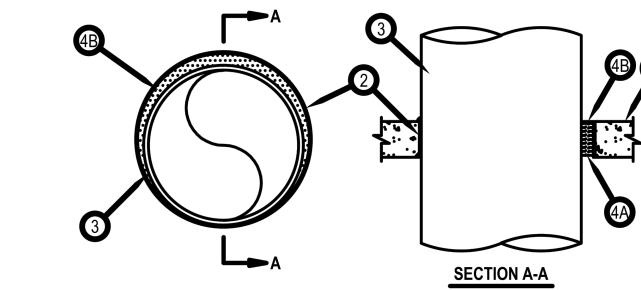


### CABLE THROUGH MASONARY WALL



ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 3 Hr	F Rating — 3 Hr
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating At Ambient — Less Than 1 CFM/sq ft	FH Rating — 3 Hr
L Rating At 400 F — 4 CFM/sq ft	FTH Rating — 0 Hr
	L Rating At Ambient — Less Than 1 CFM/sq ft
	L Rating At 400 F — 4 CFM/sq ft

System No. C-AJ-1226



1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max diam of opening is 32 in. (813 mm). 2. Metallic Sleeve — (Optional) Nom 32 in. (813 mm) diam (or smaller) Schedule 40 (or heavier) steel sleeve cast or grouted into floor or wall assembly, flush with floor or wall surfaces or extending a max of 3 in. (76 mm) above floor or beyond both surfaces of wall. 2A. Sheet Metal Sleeve — (Optional) Max 6 in. (152 mm) diam, min 26 ga. galv steel provided with a 26 ga galv steel square flange spot welded to the sleeve at approx mid-height, or flush with bottom of sleeve in floors, and sized to be a min of 2 in. (51 mm) larger than the sleeve diam. The sleeve is to be cast in place and may extend a max of 4 in. (102 mm) below the bottom of the deck and a max of 1 in. (25 mm) above the top

2B. Sheet Metal Sleeve — (Optional) - Max 12 in. (305 mm) diam, min 24 ga galv steel provided with a 24 ga galv steel square flange spot welded to the sleeve at approx mid-height, or flush with bottom of sleeve in floors, and sized to be a min of 2 in. (51 mm) larger than the sleeve diam. The sleeve is to be cast in place and may extend a max of 4 in. (102 mm) below the bottom of the deck and a max of 1 in. (25 mm) above the top surface of the concrete floor.

3. Through-Penetrant — One metallic pipe, tube or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between penetrant and periphery of opening shall be min 0 in. (point contact) to max 1-7/8 in. (48 mm). Penetrant may be installed with continuous point contact. Penetrant to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic penetrants may be used: A. Steel Pipe — Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Iron Pipe — Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe. C. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.

D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing. E. Conduit — Nom 6 in. (152 mm) diam (or smaller) steel conduit.

F. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT).

4. Firestop System — The firestop system shall consist of the following: A. Packing Material — Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or sleeve or from both surfaces of wall or sleeve as required to accommodate the required thickness of fill material.

B. Fill, Void or Cavity Material\* — Sealant — Min 1/4 in. (6 mm) thickness of fill material applied within the annulus, flush with top surface of floor or sleeve or with both surfaces of wall or sleeve. At the point or continuous contact locations between penetrant and concrete or sleeve, a min 1/4 in. (6 mm) diam bead of fill material shall be applied at the concrete or sleeve/ pipe penetrant interface on the top surface of floor

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant or FS-ONE MAX Intumescent Sealant \* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



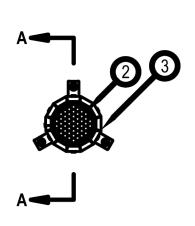
Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. January 07, 2015

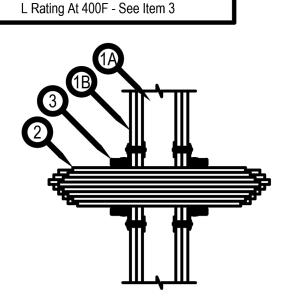
CONDUIT THROUGH MASONARY WALL
SCALE: N.T.S.



### System No. W-L-3396

S i		
	ANSI/UL1479 (ASTM E814)	CAN/ULC S115
s, Inc. -S115	F Ratings - 1 and 2 Hr (See Item 1)	F Ratings - 1 and 2 Hr (See Item 1)
	T Ratings - 0, 1 and 2 Hr (See Items 2 and 3)	FT Ratings - 0, 1 and 2 Hr (See Items 2 and 3)
	L Rating At Ambient - See Item 3	FH Ratings - 1 and 2 Hr (See Item 1)
	L Rating At 400F - See Item 3	FTH Ratings - 0, 1 and 2 Hr (See Items 2 and 3)
•		L Rating At Ambient - See Item 3





### **SECTION A-A**

1. Wall Assembly — The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described within the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:

A. Studs — Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC. B. Gypsum Board\* — Nom 5/8 in. (16 mm) thick gypsum board as specified in the individual Wall and Partition Design. Opening in gypsum

board to be max 4 in. (102 mm) diam. The hourly F and FH Ratings of the firestop system are dependent upon the hourly rating of the wall in which it is installed. 1A. Sleeve — (Not Shown, Optional) - Nom 4 in. (102 mm) diam (or smaller) sleeve friction fit into wall opening, flush with both wall surfaces. The

following types of sleeves may be used: Schedule 5 (or heavier) steel pipe, min 28 ga steel sleeve, or Schedule 40 solid or cellular core polyvinyl 2. Cables — Cables may be installed within opening for a 0 to 100 percent visual fill. When PVC sleeve (Item 1A) is used, the aggregate

cross-sectional area of cable in opening to be max 45 percent of the cross-sectional area of the opening. Cables to be tightly bundled and rigidly supported on both sides of wall assembly. Any combination of the following types of cables may be used:

A. Max 100 pair No. 24 AWG (or smaller) copper conductor telecommunication cable with polyvinyl chloride (PVC) jacketing and insulation. B. Max 7/C No. 12 AWG copper conductor control cable with PVC or XLPE jacket and insulation.

C. Max 4/0 AWG Type RHH ground cable. D. Max 4 pr No. 22 AWG Cat 5 or Cat 6 computer cables.

E. Max RG 6/U coaxial cable with fluorinated ethylene insulation and jacketing.

F. Fiber optic cable with polyvinyl chloride (PVC) or polyethylene (PE) jacket and insulation having a max diam of 1/2 in. (13 mm). G. Max 3/C No 12 AWG MC Cable.

For opening with cables, when the hourly rating of the wall assembly is 1 hr, the T, FT and FTH Ratings are 0 hr. For opening with cables, when the hourly rating of the wall assembly is 2 hr, the T, FT and FTH Ratings are 1 hr. 3. Firestop Device\* — Firestop device consisting of a steel collar with plug to be centered over opening and mounted to face of gypsum board on both sides of wall. Each flange of collar is secured to wall with No. 10 by 1-1/2 in. (38 mm) steel laminating screw and min 9/16 in. (15 mm) diam steel washer through prepunched hole in flange. As an alternate, min 3/16 in. (4.8 mm) diam by 2-1/2 in. (64 mm) long steel toggle bolts in conjunction with min 9/16 in. (15 mm) diam steel washers may be used. For openings with cables, plug within collar cut to fit tightly around the

cable bundle. For blank openings (no cables), the hourly F and FH Ratings of the firestop system are equal to the hourly rating of the wall in which HILTI CONSTRUCTION CHEMICALS. DIV OF HILTI INC — CFS-CC 4" Firestop Cable Collar L Ratings apply to blank the openings only per indicated in Table below.

Opening	CFM (per de	evice)	CFM/Sq Ft Opening			
	Ambient	400F	Ambient	400F		
Blank Opening Only (no cables)	Less Than 1	Less Than 1	Less Than 1	4		
Max 100% visual fill with Cat 5	1.2	Less Than 1	13.2	8.9		

4. Fill, Void or Cavity Material\* (Optional, Not Shown) — Fill material applied to fill interstices between and around the cable bundle at both

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant, CP 618 Putty

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada),



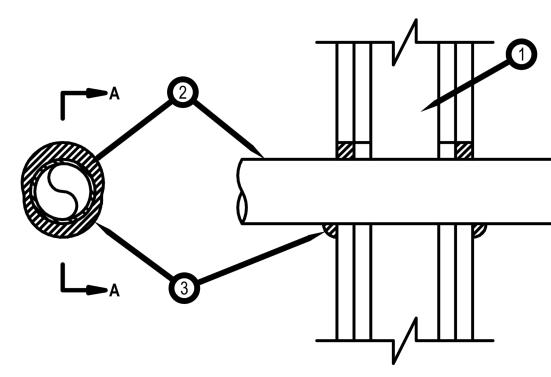
Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. January 23, 2015





### System No. W-L-2244

F Ratings -- 1 and 2 Hr (See Item 1) T Ratings -- 1 and 2 Hr (See Item 1) L Rating at Ambient - Less Than 1 CFM/sq ft L Rating at 400 F - 2 CFM/sq ft



1. Wall Assembly — The 1 and 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400, V400 or W400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following

A. Studs — Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide by 1-3/8 in. (35 mm) deep channels spaced max 24 in. (610

**SECTION A-A** 

B. Gypsum Board\* — The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Series Design in the UL Fire Resistance Directory. Max diam of opening is 3 in. (76 mm). The hourly F and T Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed. 2. Through Penetrant — One nonmetallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The

on both sides of wall assembly. The following types and sizes of nonmetallic pipes may be used: A. Polyvinyl Chloride (PVC) Pipe — Nom 2 in. (51 mm) diam (or smaller) cellular or solid core Schedule 40 (or heavier) pipe for use in closed (process or supply) piping systems.

annular space between pipe and periphery of opening shall be min of 0 in. (point contact) to a max 5/8 in. (16 mm). Pipe to be rigidly supported

B. Chlorinated Polyvinyl Chloride (CPVC) — Nom 2 in. (51 mm) diam (or smaller) SDR 13.5 CPVC pipe for use in closed (process or supply) 3. Fill, Void or Cavity Material\* - Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within annulus, flush with both surfaces of wall. At

point contact location, a min 1/2 in. (13 mm) diam bead of fill material shall be applied to the wall/penetrant interface on both surfaces of the wall. HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX Intumescent Sealant \* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada),



Reproduced by HILTI, Inc. Courtesy of Underwriters Laboratories, Inc. January 22, 2015

CONDUIT THROUGH STUD WALL

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

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

PROJECT Solano CCD BLDG 300 Modernization



COMMUNITY COLLEGE SOLANO COMMUNITY COLLEGE DISTRICT

CONSULTANT



**SALASO'BRIEN** expect a difference 305 South 11th Street San Jose, California 95112-2218

877.725.2755 | 877.925.1477 (f)

WWW.SALASOBRIEN.COM

National Strength. Local **Action.** 

STATE DSA FILE NUMBER 02-120607 APPL#

REVISIONS

Description

**MILESTONES** 06.17.2022 08.12.2022 50% CD 09.05.2022 90% CD 10.11.2022 DSA SUB 10.28.2022

02.21.2023

BACK CHECK

MECHANICAL **DETAILS** 

02.21.2023

JOB# 2022012 (SOBE 2201690)

M5.01

	SPLIT SYSTEM COOLING UNIT SCHEDULE (EXISTING FOR REFERENCE)												
MARK	MAKE	MODEL	NOM. TONS	SUPPLY CFM	ESP (IN. WG)		COOLING BTU/HR	EER/ IEER	VOLT/PH/ HERTZ	MCA (AMPS)	MOCP (AMPS)	OPER. WEIGHT (LBS)	NOTES
FCC-1	SAMSUNG	AM032MNQDCH/AA	3	706	0.40	33,400	31,700		208/1/60	-	-	48	FAN COIL UNIT,DVM SERIES, WALL MOUNT, HORIZONTAL DISCHARGE. FURNISH COMPLETE WITH DISPOSABLE FILTER AND FILTER GRILLE. PROVIDE WITH PRIMARY AND SECONDARY CONDENSATE
FCC-2	SAMSUNG	AM032MNQDCH/AA	3	706	0.40	33,400	31,700		208/1/60	-	-	48	DRAINS. PROVIDE CONDENSATE PUMP 'ASPEN MINI ORANGE
HP-1	SAMSUNG	AM072FXVAFHAA	6	-	-	81,000	72,000	13/29.70	208/3/60	28	35	425	HEAT PUMP, OUTDOOR SECTION, MATCH WITH INDOOR FAN COIL UNIT AS INDICATED. FURNISH COMPLETE WITH FILTER DRIER, COMPRESSOR START ASSIST, COMPRESSOR START ASSIST CAPACITOR, LOW AMBIENT CONTROLLER, CRANKCASE HEATER, PRE-CHARGED REFIDGERANT SUCTION AND LIQUID

NOTE: EXISTING EQUIPMENT

	EXHAUST FAN SCHEDULE (EXISTING FOR REFERENCE)											
MARK	BLDG /RM NO.	MAKE	MODEL	CFM	RPM	ESP	НР	VOLT/PH/ HERTZ	OPER. WEIGHT (LBS)	NOTES		
EF-1	ROOF	GREENHECK	GB-240-10	5100	731	0.625	1	460/3/60	123	1		
EF-2	ROOF	GREENHECK	TCBRU-2-12-7	1,500	1,965	0.75	3/4	115/1/60	317	1		
EF-3	ROOF	GREENHECK	GB-240-15	6,200	790	0.50	1-1/2	460/3/60	123	1		
EF-4	ROOF	GREENHECK	TCBRU-1-30-30	8,300	734	1.00	3	460/3/60	1126	1		
EF-5	ROOF	GREENHECK	GB-240-5	3000	553	0.50	1/2	115/1/60	123	1		
EF-6	ROOF	GREENHECK	TCBRU-1-30-30	8300	754	1.00	3	460/3/60	1126	1		
EF-7	ROOF	GREENHECK	TCBRU-1-10-3	750	1746	0.75	1/3	115/1/60	283	1		
EF-8	ROOF	GREENHECK	GB-160HP-4	900	953	0.625	1/4	115/1/60	90	1		
EF-9	ROOF	GREENHECK	TCBRU-1-30-30	8300	734	1.00	3	460/3/60	1126	1		
EF-10	ROOF	GREENHECK	GB-240-7	3600	587	0.50	3/4	460/3/60	123	1		
REF-1	ROOF	GREENHECK	GB-081-3-X	-	-	-	-	-	-	2		

NOTES:

1) PROVIDE CONTROL INTERFACE TO EMS SYSTEM

2) ABANDON IN PLACE.

VFD SCHEDULE											
MARK HP MANUFACTURER MODEL VOLTAGE / PHASE / BYPASS ENCLOSURE MOUNTING WEIGH								WEIGHT (LB)	NOTES		
HHWP-VFD	5	ABB	ACH580	480/3/60	YES	NEMA 12	INDOOR	84	1 THRU 5		
CHWP-VFD	7.5	ABB	ACH580	480/3/60	YES	NEMA 12	INDOOR	84	1 THRU 5		

NOTES:

1) VFD SHALL INCLUDE INTEGRAL 5% INPUT LINE REACTORS.

2) VFD SHALL HAVE BACNET INTERFACE CARD.3) WARRANTY SHALL BE 30 MONTHS WITH ABB CERTIFIED

3) WARRANTY SHALL BE 30 MONTHS WITH ABB CERTIFIED START UP. 4) VFD SHALL INCLUDE SERVICE SWITCH FOR BYPASS.

5) VFD SHALL INCLUDE BLUETOOTH CONTROL PANEL.

### AHU SCHEDULE (EXISTING FOR REFERENCE)

					SUPPLY	FAN	MIN.		RETUR	N/EXHAU	JST FAN	СНW	HTG	VOLT/PH/	OPER. WEIGHT	
MARK	MAKE	MODEL	CFM	RPM	ESP	HP	OA CFM	CFM	RPM	ESP	HP	COIL	COIL	HERTZ	(LBS)	NOTES
AH-1	GOVERNAIR	PF02-40 NYB 12	17500	890	4.05	20	100%	-	-	1=1	-	CC-1	HC-1	460/3/60	8500	1,2,3
AH-2	GOVERNAIR	PF02-40 NYB 12	17500	890	4.05	20	100%	-	-	-	-	CC-1	HC-1	460/3/60	8500	1,2,3

NOTES:

1) PROVIDE DUCT SMOKE DETECTOR PER CMC 608

2) DUCT SMOKE DETECTOR SUPPLIED BY ELECTRICAL CONTRACTOR, INSTALLED BY MECHANICAL CONTRACTOR

3) EXISTING AIR HANDLING UNITS

MARK	MAKE	MODEL	SUPPLY CFM	ENT DB (F)	ENT WB (F)	LVG DB (F)	LVG WB (F)	APD (IN.WG)	GPM	EWT (F)	LWT (F)	WPD (FT)	ROWS	FPF	NOTES
CC-1	GOVERNAIR	CUSTOM COOLING COIL	17,500	77	96	54	53	0.64	160	44	56	11	6	8	1
HC-1	GOVERNAIR	CUSTOM COOLING COIL	17,500	35	35	72	72	0.64	71	180	160	3	1	8	1

				PU	JMP S	CHED	ULE (	(EXISTIN	NG FOR	REFERI	ENCE)					
MARK	SERVICE	MAKE	MODEL	GPM	TDH (Ft.)	НР	RPM	MIN. PUMP EFF.	SIZE	VOLT/PH/ HERTZ	MCA (AMPS)	MOCP (AMPS)	OPER. WEIGHT (LBS)	SUCT. DIFF.	TRIPLE DUTY	NOTES
P-1	CHILLED WATER B	BELL & GOSSETT	1510	4710	165	250	1780	85.7%	10x12x14	460/3/60			4,000			
P-2	CHILLED WATER B	BELL & GOSSETT	1510	4710	165	250	1780	85.7%	10x12x14	460/3/60			4,000			
NOTES																

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 02-120607 INC:

REVIEWED FOR
SS FLS ACS D

DATE: 02/17/2023

aedis

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

www.aedisarchitects.com

Solano CCD BLDG 300
Modernization



COMMUNITY COLLEGE
SOLANO COMMUNITY
COLLEGE DISTRICT

ONSULTANT



SALASO'BRIEN

| expect a difference |

305 South 11th Street
San Jose, California 95112-2218

877.725.2755 | 877.925.1477 (f)

WWW.SALASOBRIEN.COM

| National Strength.

PROFESS/ONAL MANAGEMENT OF CALIFORNIA

02-120607

06.17.2022

08.12.2022

09.05.2022

10.11.2022

10.28.2022

02.21.2023

STATE

DSA FILE NUMBER

DSA FILE NUMBER
APPL #

REVISIONS

No. Description

MILESTONES

SD DD 50% CD

90% CD DSA SUB BACK CHECK

UEET ....

MECHANICAL SCHEDULES

02.21.2023

Joв# 2022012 (SOBE 2201690)

M6 01

Point I.D.	Control Device	Control Description	Control Device Location	AI	AO	DI	DO		NOT
FOIII I.D.	Device	EXHAUST FANS	Location	Al	AU	DI	DO	Б	
EF-X S/S	RELAY	EXHAUST FAN START/STOP	ROOF				12		
EF-X STS	CURRENT SWITCH	EXHAUST FAN STATUS	ROOF			12		J	
		CHWP							
CHWP-X SPEED FB	VFD	PUMP VFD SPEED FEEDBACK	MECHANICAL ROOM	1					
CHWP-X SPEED	VFD	PUMP VFD SPEED	MECHANICAL ROOM		1				
CHWP-X FLT	VFD	PUMP VFD FAULT	MECHANICAL ROOM			1			
CHWP-X MAINT	VFD	PUMP VFD MAINTENANCE STATUS	MECHANICAL ROOM			1			
CHWP-X KW	VFD	PUMP VFD POWER KW	MECHANICAL ROOM	1				J	
THIND VODES ES	VED	HHWP	MEGHANICH BOOM						
HHWP-X SPEED FB	VFD	HHW PUMP PCHWP-X VFD SPEED FEEDBACK	MECHANICAL ROOM						
HHWP-X SPEED	VFD	HHW PUMP PCHWP-X VFD SPEED	MECHANICAL ROOM		1				
HHWP-X FLT	VFD	HHW PUMP PHHWP-X VFD FAULT	MECHANICAL ROOM			1			
HHWP-X MAINT	VFD	HHW PUMP PHHWP-X VFD MAINTENANCE STATUS	MECHANICAL ROOM			1			
HHWP-X KW	VFD	HHW PUMP PCHWP-X VFD POWER KW	MECHANICAL ROOM						
		SPLIT SYSTEM							
SPLSYS-S/S	BACNET	SPLIT SYSTEM START/STOP	FC-1,2 AND HP-1	$\overline{}$				1	
SPLSYS-RMTMP	BACNET	SPLIT SYSTEM ROOM TEMPERATURE	FC-1,2 AND HP-1					1	
SPLSYS-MODE	BACNET	SPLIT SYSTEM MODE AUTO/COOL/HEAT/FAN/DRY	FC-1,2 AND HP-1					1	
SPLSYS-FANSP	BACNET	SPLIT SYSTEM FAN SPEED	FC-1,2 AND HP-1					2	2
		AIR HANDLING UNIT							
AHU-X DPT	DPT	DIFEERENTIAL PRESSURE AT FILTER	AHU-1 AND AHU-2	2					
AHU-X SAT	TEMP TRANSMITTER	DISCHARGE AIR SENSOR (10K TYPE 2)	AHU-1 AND AHU-2	2					
AHU-X OA DMPR	ACTUATOR	OUTSIDE AIR DAMPER ACTUATOR	AHU-1 AND AHU-2		2				
AHU-X S/S	MOTOR STARTER	SUPPLY FAN START/STOP	AHU-1 AND AHU-2				2		
AHU-X STS	CURRENT TRANSDUCER	SUPPLY FAN STATUS	AHU-1 AND AHU-2	2					
AHU-X CHW VLV	ACTUATOR	CONTROL COOLING	AHU-1 AND AHU-2		2				1
AHU-X CHWS TEMP	TEMP TRANSMITTER	CHW SUPPLY TEMPERATURE	AHU-1 AND AHU-2	2					
AHU-X CHWR TEMP	TEMP TRANSMITTER	CHW RETURN TEMPERATURE	AHU-1 AND AHU-2	2					
AHU-X HHW VLV	ACTUATOR	CONTROL HEATING	AHU-1 AND AHU-2		2				1
AHU-X HHWS TEMP	TEMP TRANSMITTER	HHW SUPPLY TEMPERATURE	AHU-1 AND AHU-2	2					
AHU-X HHWR TEMP	TEMP TRANSMITTER	HHW RETURN TEMPERATURE	AHU-1 AND AHU-2	2					
AHU-X SD	SMOKE DETECTOR	AUTOMATIC SHUTOFF	AHU-1 AND AHU-2			2			
		DEHEAT COILS							
RH-X RT	SENSOR	REHEAT COILS REHEAT ROOM TEMPERATURE	BLDG	28				$\overline{}$	
RH-X HHWVLV	ACTUATOR	REHEAT HHW CONTROL VALVE	BLDG	26	28			J	
IGI-XIIIIW VLV	noromon	KAZEM INIW CONTROL VIEVE	BEDG		20				
		METERING							
BTU-X MTR	BTU METER	ENERGY RATE	MECHANICAL ROOM	2					
BTU-X MTR	BTU METER	VOLUME RATE	MECHANICAL ROOM	2					
BTU-X MTR	BTU METER	SUPPLY TEMPERATURE	MECHANICAL ROOM	2					
BTU-X MTR	BTU METER	RETURN TEMPERATURE	MECHANICAL ROOM	2					

TOTAL 127

2) THERE ARE TWO WALL MOUNTED FCU'S FOR THE ONE HEAT PUMP.

NOTES:

1) REUSE EXISTING CONTROL.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 02-120607 INC:

REVIEWED FOR
SS FLS ACS D

DATE: 02/17/2023

### aedis architect

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

Solano CCD BLDG 300
Modernization



COMMUNITY COLLEGE
SOLANO COMMUNITY
COLLEGE DISTRICT

CONSULTANT



SALASO'BRIEN

| expect a difference |

305 South 11th Street
San Jose, California 95112-2218

877.725.2755 | 877.925.1477 (f)

WWW.SALASOBRIEN.COM

| National Strength.

ACTION.

Local Action.

PROFESS/ONAL

M36498

STATE

DSA FILE NUMBER

DSA FILE NUMBER 48-C1

APPL # 02-120607

REVISIONS

No. Description

o. De

MILESTONES

 SD
 06.17.2022

 DD
 08.12.2022

 50% CD
 09.05.2022

 90% CD
 10.11.2022

 DSA SUB
 10.28.2022

 BACK CHECK
 02.21.2023

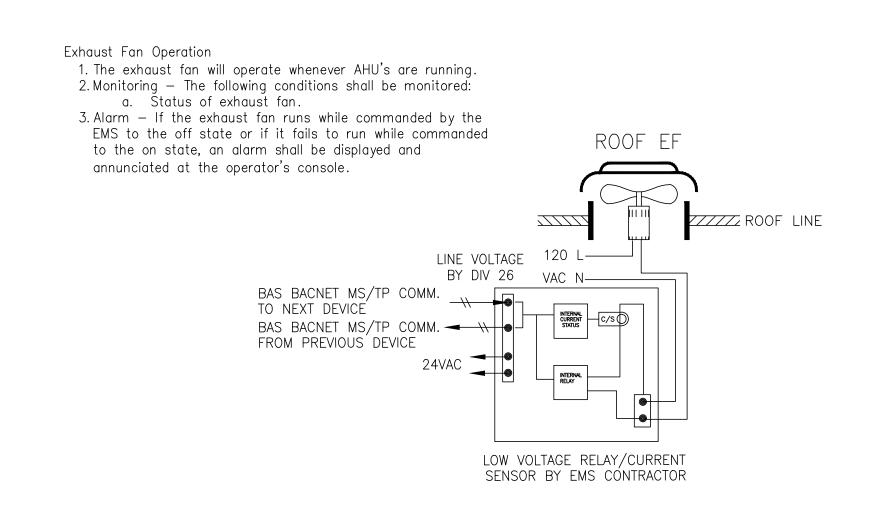
SHEET

MECHANICAL CONTROLS

DATE 02.21.2023

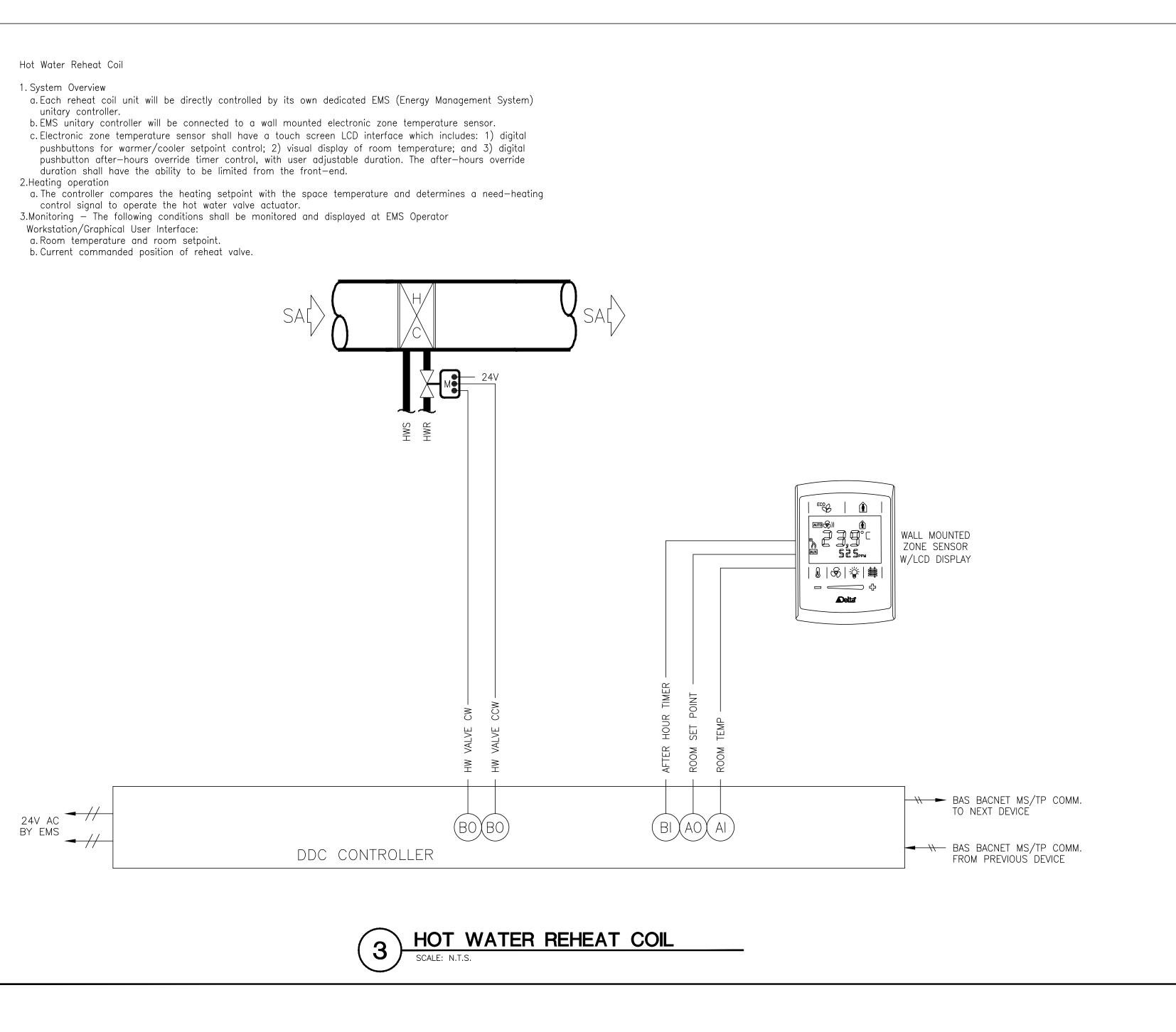
Joв# 2022012 (SOBE 2201690)

MI1.01



SINGLE PHASE EF

SCALE: N.T.S. (TYPICAL OF 3)



Air Handling Unit Constant Air Volume (AHU—CAV) with 100% OSA

a. Each AHU unit will be directly controlled by its own dedicated EMS (Energy Management System)

commanded open and the supply fan shall be commanded to run continuously upon proof that

demand from the zones and the zone temperatures are controlled by the zone unoccupied space

a. The supply air temperature setpoint can be set by the system operator at OWS in either Manual

b.In Auto—Reset Mode, the EMS unitary controller resets the supply air temperature between 55°F to

a. When the AHU is in Occupied Mode or in Afterhours Mode, the outside air damper shall be

b. During the Unoccupied Mode as determined by EMS time schedule, the AHU is enabled with

65°F based on actual building load as determined by the zone' need—cooling signals.

a.During Occupied Mode or Afterhours Mode, the supply fan shall be commanded by the EMS

unitary to run which satisfies the Minimum Outdoor Air ventilation requirements for the zones.

a. The EMS shall schedule the AHU to be in Occupied Mode one hour prior to the actual time of

a. The controller compares the outside air temperature with the supply air temperature setpoint and

b. If the outside air temperature is less than the supply air temperature setpoint, the heating valve

a. The EMS unitary controller compares the outside air temperature with the supply air temperature

a. When particles of combustion are detected in the supply air stream by the AHU smoke detector

26. TRANSFORMER &

b. The first stage of cooling will utilize outside air for free cooling for as long as possible. c. The second stage will modulate the CHW cooling coil control valve to maintain the supply air

(furnished/installed by others), the AHU shall shut down via hardwire interlock.

9.Monitoring — The following conditions shall be monitored and displayed at EMS OWS:

1. System Overview

2. Unit Fan Operation

outside air damper is open.

temperature heating setpoints.

3. Supply Air Temperature Reset

4. Minimum Outdoor Air Control

anticipated occupancy.

temperature setpoint.

b. Start/Stop — supply fan.

f. CHWS and CHWR temperature.

e. Supply and Outside air temperatures.

h. Supply air temperature setpoint (adjustable).
i. Duct static pressure setpoint (adjustable).

m. Alarms (temperature, status, pressure).

j. Filter static pressure alarm setpoint (adjustable).

k. Outside air damper actuator feedback (open/closed).
I. Runtime total for fan operation up to 64,000 hours.

n. Warm up/Cooling mode/Night setback — Status of zone operation.

determines a need—heating control signal.

modulates to maintain the supply air temperature setpoint. c. Mechanical cooling to be locked out during pre—heating mode.

setpoint and determines a need—cooling control signal.

d. Mechanical heating to be locked out during cooling mode.

a. System graphics showing dynamic status of all points.

c.Fan Fault & Alarm Status — supply fan VFD interface. d.Minimum outside air speed signal setpoint (VFD Min Speed)

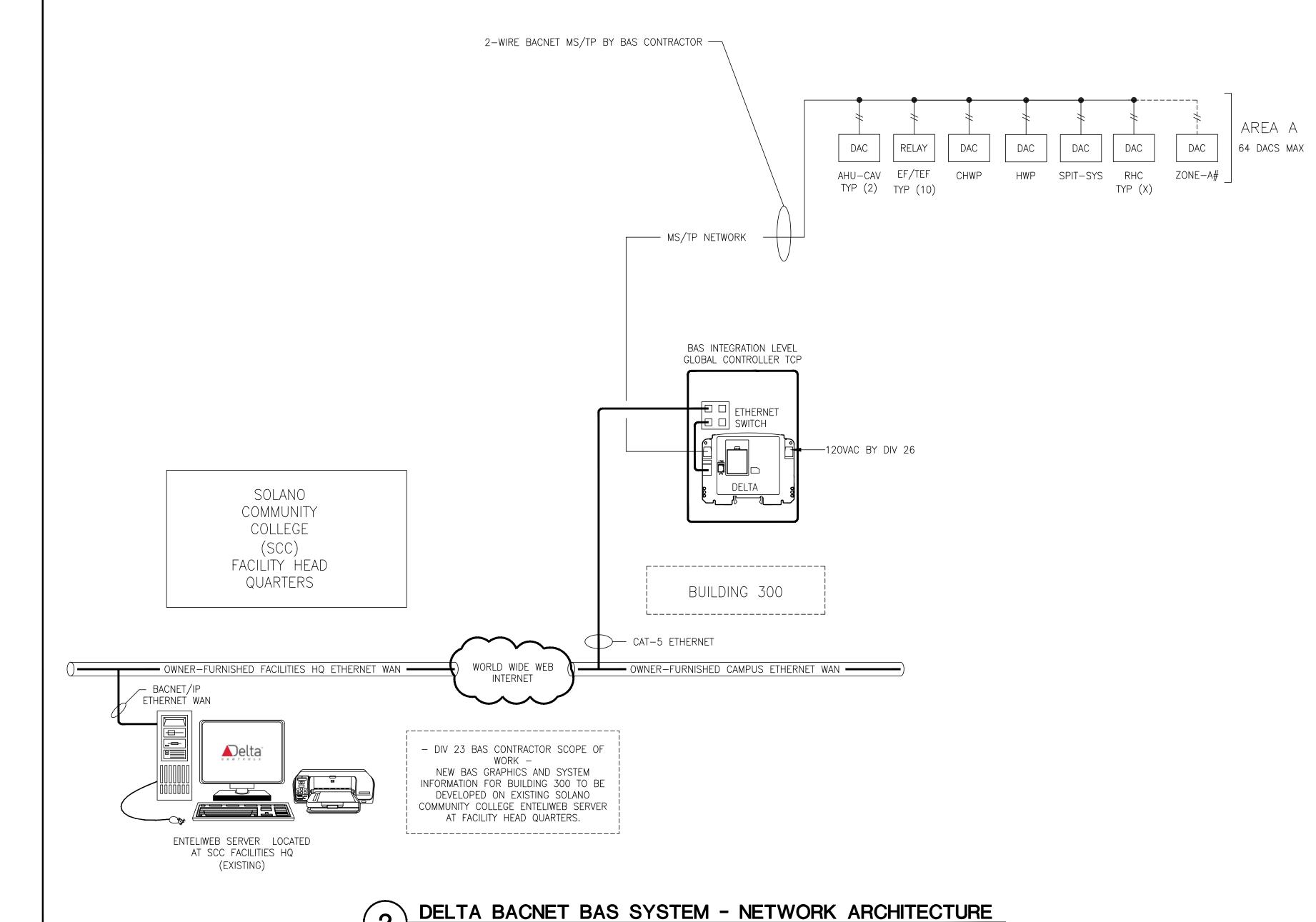
5.Pre-Occupancy Purge

6. Heating operation

7 Cooling operation

8. Smoke Detector

Mode or Auto-Reset Mode.



OSA DAMPER SMOKE DETECTOR PROVIDED, ACTUATOR BY POWERED AND WIRED BY EMS CONTRACTOR DIV 26. INSTALLED BY DIV R SD 111 START/STOP MOTOR STARTER PROVIDED & INSTALLED BY OTHERS (TYPICAL). ── BAS BACNET MS/TP COMM. TO NEXT DEVICE BAS BACNET MS/TP COMM. DDC CONTROLLER FROM PREVIOUS DEVICE

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP: 02-120607 INC:

REVIEWED FOR

SS FLS ACS D

DATE: 02/17/2023

# aedis

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

Solano CCD BLDG 300
Modernization



SOLANO COMMUNITY COLLEGE DISTRICT

CONSULTANT



SALASO'BRIEN

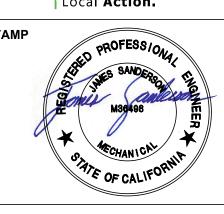
| expect a difference |

305 South 11th Street
San Jose, California 95112-2218
877.725.2755 | 877.925.1477 (f)

877.725.2755 | 877.925.1477

WWW.SALASOBRIEN.COM

National Strength.
Local Action.



STATE

DSA FILE NUMBER

APPL # 02-120607

REVISIONS

No. Description

MILESTONES

SD 06.17.2022

DD 08.12.2022

50% CD 09.05.2022

90% CD 10.11.2022

DSA SUB 10.28.2022

02.21.2023

SHEET

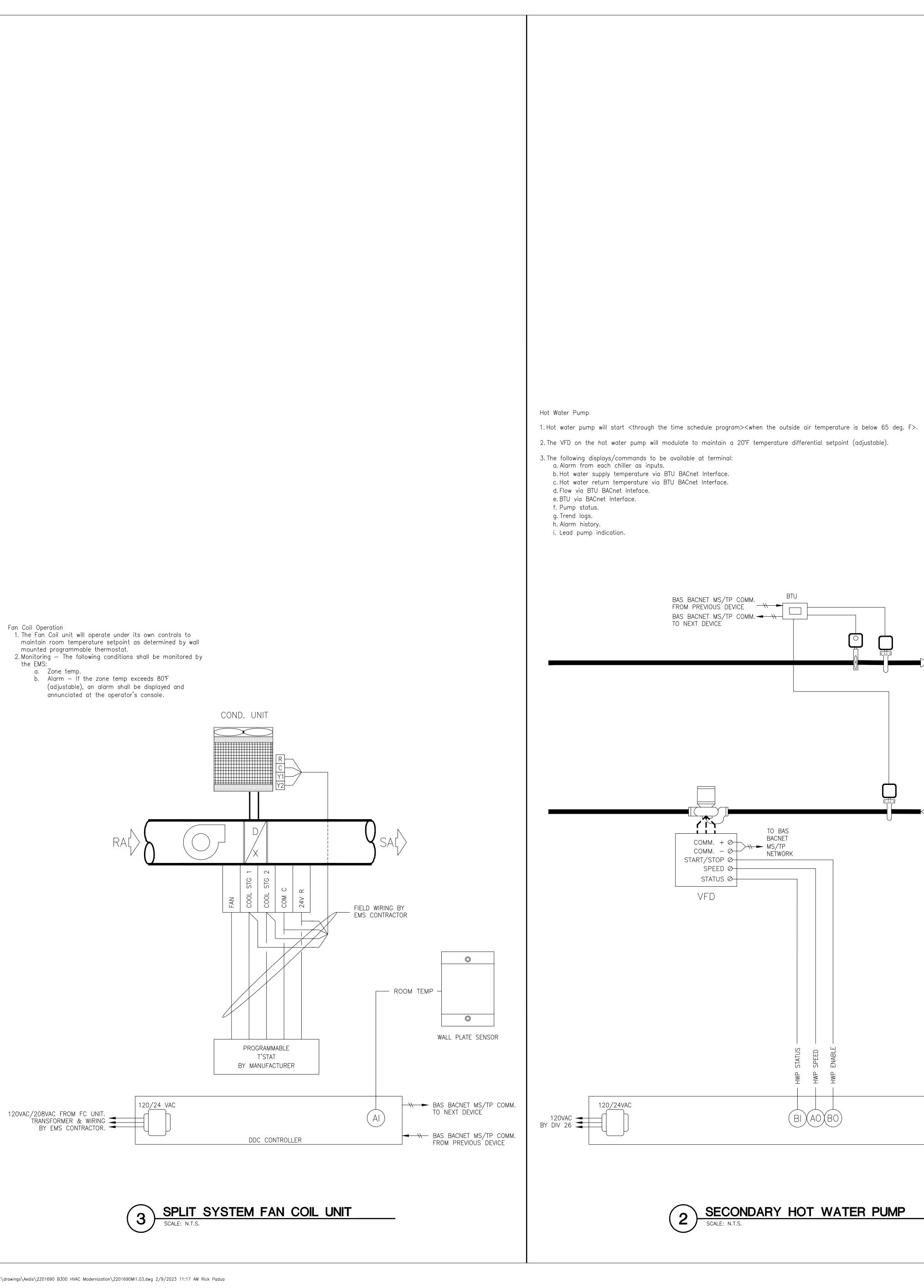
BACK CHECK

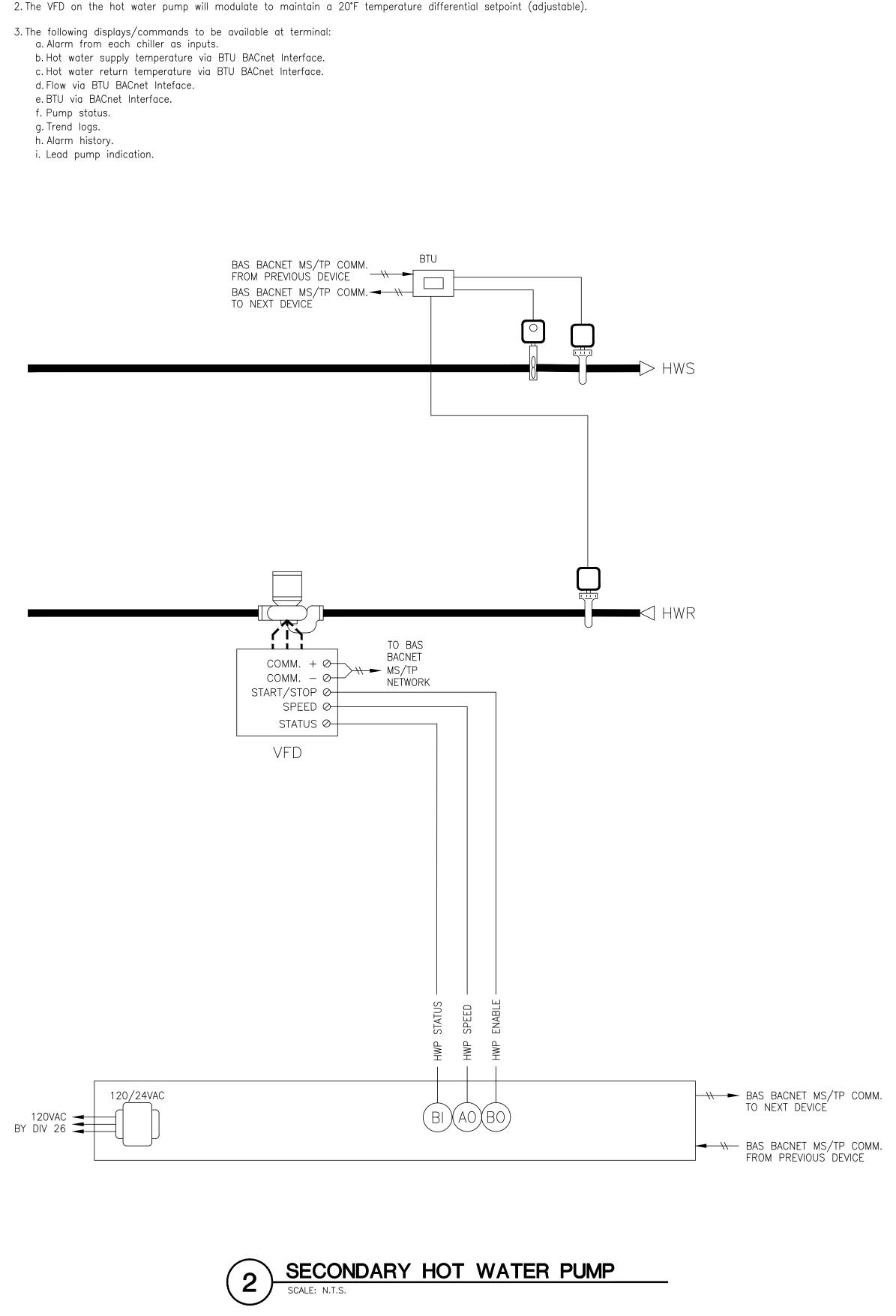
MECHANICAL CONTROLS

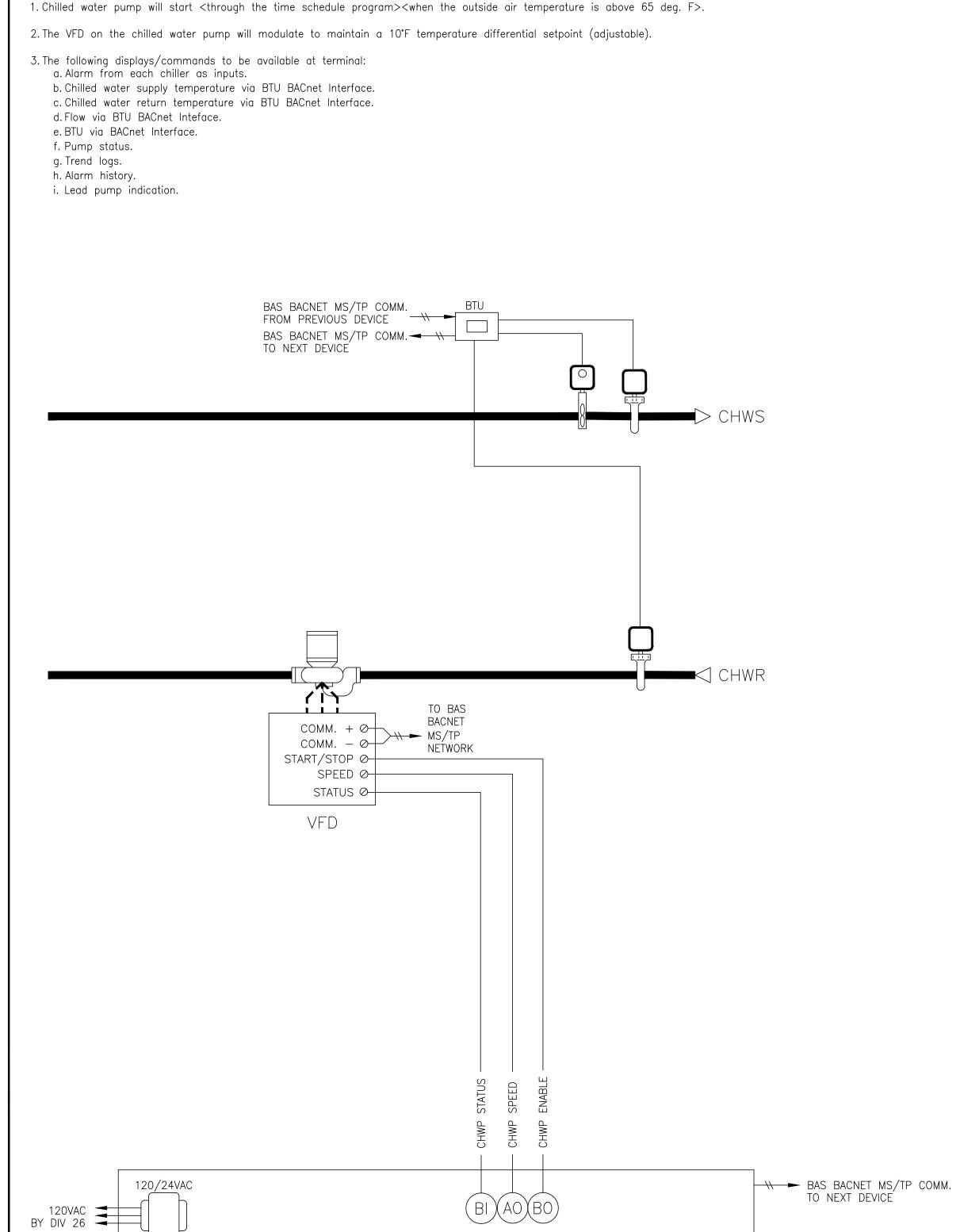
DATE 02.21.2023

Joв# 2022012 (SOBE 2201690)

MI1.02







SECONDARY CHILLED WATER PUMP

SCALE: N.T.S.

Chilled Water Pump

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 02/17/2023

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

PROJECT Solano CCD BLDG 300 Modernization



SOLANO COMMUNITY COLLEGE DISTRICT

CONSULTANT



**SALASO'BRIEN** expect a difference 305 South 11th Street San Jose, California 95112-2218 877.725.2755 | 877.925.1477 (f)

WWW.SALASOBRIEN.COM National Strength. Local **Action.** 

02-120607

10.28.2022

02.21.2023



STATE

DSA FILE NUMBER

REVISIONS

Description

MILESTONES

06.17.2022 08.12.2022 09.05.2022 50% CD 10.11.2022

90% CD DSA SUB BACK CHECK

MECHANICAL CONTROLS

02.21.2023

BAS BACNET MS/TP COMM.
FROM PREVIOUS DEVICE

JOB# 2022012 (SOBE 2201690)

MI1.03

### PLUMBING FIXTURE SCHEDULE PLUMBING FIXTURE SCHEDULE CONNECTIONS ACCESSORY - MAKE/MODEL COMMENTS VT CW DHW SS AMERICAN STANDARD / LUCERNE 0356.439 SLOAN / EAF-200-PLG-CP-0.5GPM-AER-IR-IQ-FCT FLOW RATE SHALL NOT EXCEED 0.5 GPM AT 60 PSI 1-1/2" 1/2" FAUCET PROVIDE WITH 5" DEPTH FOR ADA COMPLIANCE ZURN / Z826U4 - XL LABORATORY FAUCET 1-1/2" 1/2" 1/2" FLOW RATE SHALL NOT EXCEED 0.5 GPM AT 60 Γ&S/BL-5709-08 PROVIDE WITH 5" DEPTH FOR ADA COMPLIANCE LABORATORY FAUCET 1/2" FLOW RATE SHALL NOT EXCEED 0.5 GPM AT 60 T & S / BL-5709-08 PROVIDE WITH 11" DEPTH FOR NON-ADA. FLOW LABORATORY FAUCET 1-1/2" 1/2" 1/2" RATE SHALL NOT EXCEED 0.5 GPM AT 60 PSI.

1-1/2"

1-1/2"

1/2"

1-1/2"

3/4"

1/2"

### CONSTRUCTION PHOTOGRAPHIC RECORDS

MAKE/MODEL

ZURN / Z826U4 - XL

LABORATORY FAUCET

DURCON / A26

DURCON / A26

DURCON / A26

ELKAY/EHS-18-SSX

ZURN / Z5665-BWL1

ELKAY/LZSTLDDWSSK

THE CONTRACTOR SHALL PROVIDE PRECONSTRUCTION DIGITAL PHOTOGRAPHS AND VIDEO RECORDINGS PRIOR TO COMMENCEMENT OF WORK ON THE SITE. BEFORE CONSTRUCTION MAY START, CONTRACTOR SHALL DOCUMENT ANY EXISTING CONDITIONS THAT ARE NOT COVERED BY THE CONTRACT DOCUMENTS (DAMAGED CONCRETE, WALLS, LANDSCAPE, ETC.). FAILURE TO DOCUMENT EXISTING DAMAGE WILL RESULT IN CONTRACTOR REPAIRS TO SURFACE TO MATCH ADJACENT AFTER CONSTRUCTION ACTIVITIES. ADDITIONAL PRECONSTRUCTION PHOTOGRAPHS/VIDEOS SHALL BE TAKEN AT LOCATIONS TO BE DESIGNATED BY THE OWNER'S REPRESENTATIVE.

CONTRACTOR SHALL MAKE A VIDEO RECORDING OF ALL PROPOSED ROUTINGS FOR INFRASTRUCTURE WORK, NOTING CONDITIONS OF EXISTING SURFACES AND ADJACENT IMPROVEMENTS. ONE COPY OF COMPLETE VIDEO SHALL BE TRANSMITTED TO THE OWNER'S REPRESENTATIVE.

### CONSTRUCTION PHOTOGRAPHS

FIXTURE ID

LAV-1

DESCRIPTION

RESTROOM LAVATORY

LABROOM SINK

LABROOM SINK

LABROOM SINK

LABROOM SINK

WATER CLOSET

DRINKING FOUNTAIN

THE CONTRACTOR SHALL PROVIDE CONSTRUCTION PHOTOGRAPHS SHOWING THE PROGRESS OF THE WORK AND AS MAY BE DIRECTED BY THE OWNER'S REPRESENTATIVE. PHOTOGRAPHS/VIDEOS SHALL BE FORMATTED, IDENTIFIED, AND DELIVERED AS DESCRIBED ABOVE FOR DIGITAL PHOTOS AND VIDEOS. STARTING ONE MONTH AFTER THE DATE OF THE PRECONSTRUCTION PHOTOGRAPHS AND CONTINUING AS LONG AS THE WORK IS IN PROGRESS, APPROXIMATELY 40 MONTHLY PHOTOGRAPHS SHALL BE TAKEN, CATALOGED AND CROSS REFERENCED TO DRAWINGS/PLANS.

ANY WORK TO BE CONCEALED (BURIED, BEHIND WALLS, ABOVE CEILING, BELOW SLAB, ETC.) SHALL BE PHOTO DOCUMENTED AFTER ANY TESTING AND INSPECTION AND PRIOR TO CONCEALING TO CLEARLY INDICATE THE WORK. DOCUMENT ON PLANS THE LOCATION AND ORIENTATION FOR EACH PHOTO DOCUMENTING CONCEALED WORK.

FOR FINAL COMPLETION, DOCUMENT ALL PUNCH LIST ITEM COMPLETION BY PHOTOGRAPH OR VIDEO.

DELIVER CONSTRUCTION PHOTOGRAPHS AND VIDEOS WITHIN 10 DAYS OF CREATION. ALL PHOTOS AND VIDEOS SHALL BE OF SUFFICIENT QUALITY TO CLEARLY DEPICT WORK.

### SCHOOL EQUIPMENT ANCHORAGE

PROVIDE WITH 5" DEPTH FOR ADA COMPLIANCE

FLOW RATE SHALL NOT EXCEED 0.5 GPM AT 60

THE WATER CLOSETS SHALL NOT EXCEED 1.28

EE ELECTRICAL DRAWINGS FOR POWER

GALLONS PER FLUSH.

CONNECTION.

### M/E/P COMPONENT ANCHORAGE NOTE:

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON-THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC SECTION 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.

FLOOR OR HUNG FROM A WALL.

1617A.1.25 AND 1617A.1.26.

2. TEMPORARY OR 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.

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

THE FOLLOWING 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 DIRECTIONS:

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

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR

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

ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2019 CBC, SECTIONS 1617A.1.24,

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

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

OPTION 1: DETAIL ON THE APPROVED DRAWINGS WITH MP □ MD □ PP ☒ E □ PROJECT SPECIFIC NOTES AND DETAILS.

MP 🗆 MD 🗆 PP 🗆 E 🗀 OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD

PRE-APPROVAL (OPM #) #

- 2. PATCH EXISTING AND NEW OPENINGS SO FINISH PROFILES, FIXTURES, ETC. MATCH ADJACENT UNDISTURBED WORK.
- 3. ALL DIMENSIONS ARE APPROXIMATE. THE DRAWINGS ARE DIAGRAMMATIC TO THE EXTENT THAT ALL FITTINGS, OFFSETS, ETC., ARE NOT SHOWN. THESE DRAWINGS ARE FOR THE GUIDANCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD FOR FABRICATION OF PENETRATIONS, CONDUIT, WIRING, AND ALL COMPONENTS INTO A COMPLETE AND OPERABLE SYSTEM.

**GENERAL NOTES** 

- 4. WHERE DISCREPANCIES OCCUR BETWEEN THE PLANS AND SPECIFICATIONS. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES IN WRITING. ANY ADJUSTMENT OF THE CONTRACT DOCUMENTS WITHOUT A DETERMINATION BY THE OWNER'S REPRESENTATIVE SHALL BE AT THE CONTRACTOR'S OWN RISK AND EXPENSE. THE MOST STRINGENT REQUIREMENTS SHALL APPLY AS DETERMINED BY THE OWNER'S REPRESENTATION.
- 5. CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.

1. ALL WORK SHALL CONFORM WITH ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES.

- 6. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH ALL LISTED APPLICABLE CODES. (SEE APPLICABLE CODES LISTED BELOW.) SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED IN THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH ALL APPLICABLE CODES, A CHANGE ORDER, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
- 7. CONTRACTOR TO LEGALLY DISPOSE OF OR RECYCLE PROJECT DEBRIS.
- 8. ALL ITEMS IN THIS CONTRACT ARE NEW U.O.N
- 9. ALL GENERAL NOTES ARE THE MINIMUM STANDARDS. IF MORE COMPLETE INFORMATION IS ENCOUNTERED IN OTHER PARTS OF THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE MOST STRINGENT REQUIREMENT.
- 10. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING BUILDING CONDITIONS AND NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING OF ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENT AND EXISTING CONDITIONS.
- CONSTRUCTION. AIRBORNE DUST AND FUMES AS A RESULT OF THE WORK. 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL SUB-CONTRACTORS AND SHALL BE

12. THE CONTRACTOR SHALL, DURING THE COURSE OF CONSTRUCTION, PROTECT ADJACENT AREAS FROM DAMAGE, NOISE.

14. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE OWNER WITH A COMPLETE SET OF RECORD DRAWING, INCLUDING THE WORK OF ALL SUBCONTRACTORS.

SOLFLY RESPONSIBLE FOR AND HAVE CONTROL OVER CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND

15. ALL PRODUCTS AND MATERIALS USED ON THIS PROJECT SHALL BE FREE OF ASBESTOS.

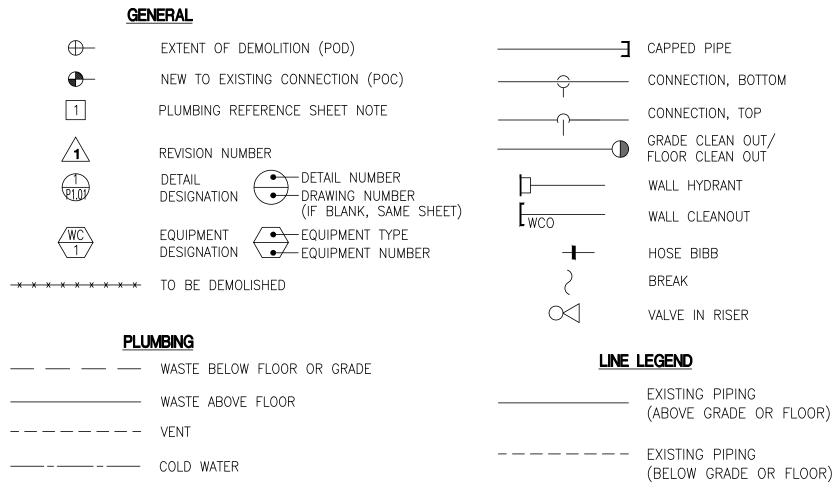
PROCEDURES IN ACCORDANCE WITH THE GENERAL CONDITIONS OF THE CONTRACT.

- 16. NO PRODUCT WILL BE ACCEPTED ON THE JOB SITE WITHOUT PRIOR APPROVAL BY THE OWNER. THE CONTRACTOR SHALL SUBMIT CATALOG SHEETS OF ALL FIXTURES, PIPING, VALVES AND ETC., FOR REVIEW.
- 17. ALL PRODUCT SUBSTITUTIONS SHALL HAVE PRIOR APPROVAL BEFORE INSTALLATION. THE CONTRACTOR SHALL PAY ALL COSTS INCURRED FOR REVIEW, DESIGN AND INSTALLATION OF SUBSTITUTIONS. ACCEPTANCE OF SUBSTITUTIONS BY THE OWNER'S REPRESENTATIVE DOES NOT ALTER THE REVIEW REQUIREMENT.
- 18. PENETRATIONS OF DUCTS, PIPES, CONDUITS, ETC. IN WALLS AND FLOOR-CEILING ASSEMBLIES REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED, PER THE U.L. FIRE LISTINGS. FIRE STOP MATERIAL SHALL BE A TESTED ASSEMBLY. SEE PLANS FOR ADDITIONAL REQUIREMENTS. SUBMIT U.L. FIRE RATED ASSEMBLIES TO FIRE MARSHALL FOR
- 19. THE INSTALLATION OF PIPING AND EQUIPMENT SHALL BE MADE IN SUCH A MANNER TO CLEAR BEAMS AND OBSTRUCTIONS. DO NOT CUT INTO OR REDUCE THE SIZE OF PLATES OR ANY LOAD CARRYING MEMBERS WITHOUT APPROVAL OF THE ARCHITECT AND ENGINEER OF RECORD. COORDINATE WITH WORK OF OTHERS TO PREVENT INTERFERENCE.
- 20. ALL LOCATIONS OF PIPING AND EQUIPMENT ARE SHOWN DIAGRAMMATICALLY TO THE EXTENT THAT ALL FITTINGS, OFFSETS. ETC. ARE NOT SHOWN. ADHERE TO LOCATIONS AS CLOSELY AS POSSIBLE. HOWEVER, RUNS OR SHAPE OF PIPING CAN VARY. AS REQUIRED TO MEET FOUNDATION, STRUCTURAL AND OTHER INTERFERENCES. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD FOR FABRICATION OF THE PIPING, PENETRATIONS, AND ALL COMPONENTS INTO A COMPLETE AND OPERABLE SYSTEM.
- 21. SUPPORT AND RESTRAIN PIPING PER CALIFORNIA MECHANICAL CODE AND ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. ALL SUPPORTING RODS, STRUT AND OTHER HARDWARE SHALL BE HOT DIPPED GALVANIZED UNLESS OTHERWISE SPECIFIED.
- 22. ALL SOLDER AND PLUMBING FIXTURES SHALL CONFORM TO NON LEAD STANDARDS.
- 23. PROVIDE ACCESS PANELS WHERE SHUT OFF VALVES AND WATER HAMMER ARRESTERS ARE LOCATED IN WALLS OR ABOVE HARD CEILINGS.
- 24. CONTRACTOR SHALL VERIFY EXISTING PIPE SIZES AND FUNCTION BEFORE COMMENCING WORK. REPORT DISCREPANCIES TO THE ARCHITECT.
- 25. INSULATE TRAP, ANGLE STOP VALVES AND HOT WATER SUPPLY PIPING TO FIXTURES BELOW HANDICAPPED ACCESSIBLE LAVS WITH APPROVED INSULATION AND PVC JACKETING.
- 26. ALL PIPING IN THIS CONTRACT SHALL BE LABELED ACCORDING TO ANSI A13.1, CHAPTER 13, CPC, 2019 AND NFPA 99. FURNISH FLOW ARROWS INDICATING DIRECTION OF FLOW FOR LIQUID PHASE MATERIALS. PIPE LABELS SHALL BE VISIBLE FROM FLOOR LEVEL. ALL VALVES IN THIS CONTRACT OTHER THAN MEDICAL VACUUM, SHALL BE LABELED WITH BRASS TAGS. ALL MEDICAL VACUUM VALVES SHALL BE LABELED PER CHAPTER 13, CPC, 2019 AND NFPA 99.
- 27. EXACT LOCATION OF EXISTING UTILITIES HAVE NOT BEEN INDEPENDENTLY VERIFIED. CONTRACTOR SHALL FIELD VERIFY ALL CONNECTION POINTS AND LOCATIONS. VERIFICATION OF ADEQUATE FALL FOR WASTE LINE SHALL BE DONE PRIOR TO BEGINNING WORK OF THIS CONTRACT.

### APPLICABLE CODES

- UNLESS OTHERWISE INDICATED OR SPECIFIED, PERFORM THE WORK IN CONFORMANCE WITH THE LATEST EDITIONS OF ALL APPLICABLE REGULATORY REQUIREMENTS, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
- 2. CALIFORNIA BUILDING CODE (PART 2, TITLE 24): 2018 IBC WITH 2019 CA AMENDMENTS
- 3. CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24): 2017 NEC WITH 2019 CA AMENDMENTS
- 4. CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24): 2018 UMC WITH 2019 CA AMENDMENTS
- 5. CALIFORNIA PLUMBING CODE (PART 5, TITLE 24) 2018 UPC WITH 2019 CA AMENDMENTS
- 6. CALIFORNIA ENERGY CODE (PART 6, TITLE 24): 2019
- 7. CALIFORNIA HISTORICAL BUILDING CODE, (PART 8, TITLE 24): 2019
- 8. CALIFORNIA FIRE CODE (PART 9, TITLE 24): 2018 IFC WITH 2019 CA AMENDMENTS
- 9. CALIFORNIA EXISTING BUILDING CODE (PART 10, TITLE 24): 2019 (2018 INTERNATIONAL EXISTING BUILDING CODE WITH 2019 CA AMENDMENTS)
- 10. CALIFORNIA GREEN BUILDING STANDARDS CODE OR CAL GREEN (PART 11, TITLE 24): 2019
- 11. CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24): 2019
- 12. PUBLIC SAFETY (CCR TITLE 19), STATE FIRE MARSHAL: CURRENT REVISION
- 13. NFPA 72, NATIONAL FIRE ALARM CODE, 2016 EDITION

### **SYMBOLS**



(BELOW GRADE OR FLOOR) NEW PIPING (ABOVE GRADE OR FLOOR) ------ HOT WATER RETURN ---- NEW PIPING (BELOW GRADE OR FLOOR) CIRCUIT SETTER -× × × × × × × PIPE TO BE REMOVED (ABOVE GRADE OR FLOOR) BALL TYPE SHUTOFF VALVE \*\*\*\*\*\*\* PIPE TO BE REMOVED (BELOW GRADE OR FLOOR) GATE VALVE

**ABBREVIATIONS** 

OFD

<N>

NTS

SOV

U.O.N.

MANUFACTURER

OVER FLOW DRAIN

NOT TO SCALE

PLANTER DRAIN

POINT OF CONNECTION

POLYVINYL CHLORIDE

RIGHT HAND

SHUT-OFF VALVE

SANITARY SEWER

STAINLESS STEEL

TEMPERING VALVE

VERIFY IN FIELD

WATER CLOSET

WALL CLEANOUT

VENT THROUGH ROOF

UNLESS OTHERWISE NOTED

WATER HAMMER ARRESTER

ROOM

SINK

**TYPICAL** 

URINAL

VENT

WASTE

WITH

WITHOUT

WEIGHT

POINT OF DISCONNECTION

POUNDS PER SQUARE INCH

PRESSURE TEMPERATURE RELIEF

MINIMUM

NEW

----- WATER HAMMER ARRESTER

AMERICAN DISABILITIES ACT

ABOVE FINISHED FLOOR

ABOVE FINISHED GRADE

BACK FLOW PREVENTER

ACCESS PANEL

ARCHITECTURAL

ACID VENT

BELOW

BUILDING

CAST IRON

COLD WATER

DIAMETER

DOWN

DOWN

DRAWING

EXISTING

**EQUIPMENT** 

**EXTERIOR** 

FUTURE

FLOOR CLEANOUT

FEET OR FLUSH TANK

FLOOR DRAIN

FIXTURE UNITS

GRADE CLEANOUT

GALLONS PER MINUTE

GALVANIZED SHEET METAL

FLUSH VALVE

GAS

GAUGE

GALLONS

GATE VALVE

HOSE BIBB

HOT WATER

LEFT HAND

LAVATORY

POUNDS

MAXIMUM

MANUFACTURING

HOT WATER RETURN

LOW PRESSURE NATURAL GAS

HEIGHT

FUME HOOD

EQUAL

BOTTOM OF PIPE

CHROME PLATED

CONDENSATE DRAIN

DUCTILE IRON PIPE

ACID WASTE

ELBOW, TURNED DOWN

C ELBOW, TURNED UP

ABV

BLDG

BOP

CW

DWG

<E>

EQUIP.

EXT

GAL

GCO

GPM

GSM

HW

LBS

LPG

<F>

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 02/17/2023

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

Solano CCD BLDG 300 Modernization



COMMUNITY COLLEGE SOLANO COMMUNITY

COLLEGE DISTRICT CONSULTANT



WWW.SALASOBRIEN.COM

National Strength.

Local **Action.** 

STATE DSA FILE NUMBER 48-C1

02-120607 REVISIONS

Date Description

**MILESTONES** 

06.17.2022 08.12.2022 50% CD 09.05.2022 90% CD 10.11.2022 DSA SUB 10.28.2022 BACK CHECK 02.21.2023

**PLUMBING** GENERAL NOTES. SYMBOLS & **ABBREVIATIONS** 

02.21.2023 JOB# 2022012

(SOBE 2201690)

P0.00

- 1. CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24): 2022

SUMMARY OF WORK

1. REPLACE BATHROOM FIXTURES.

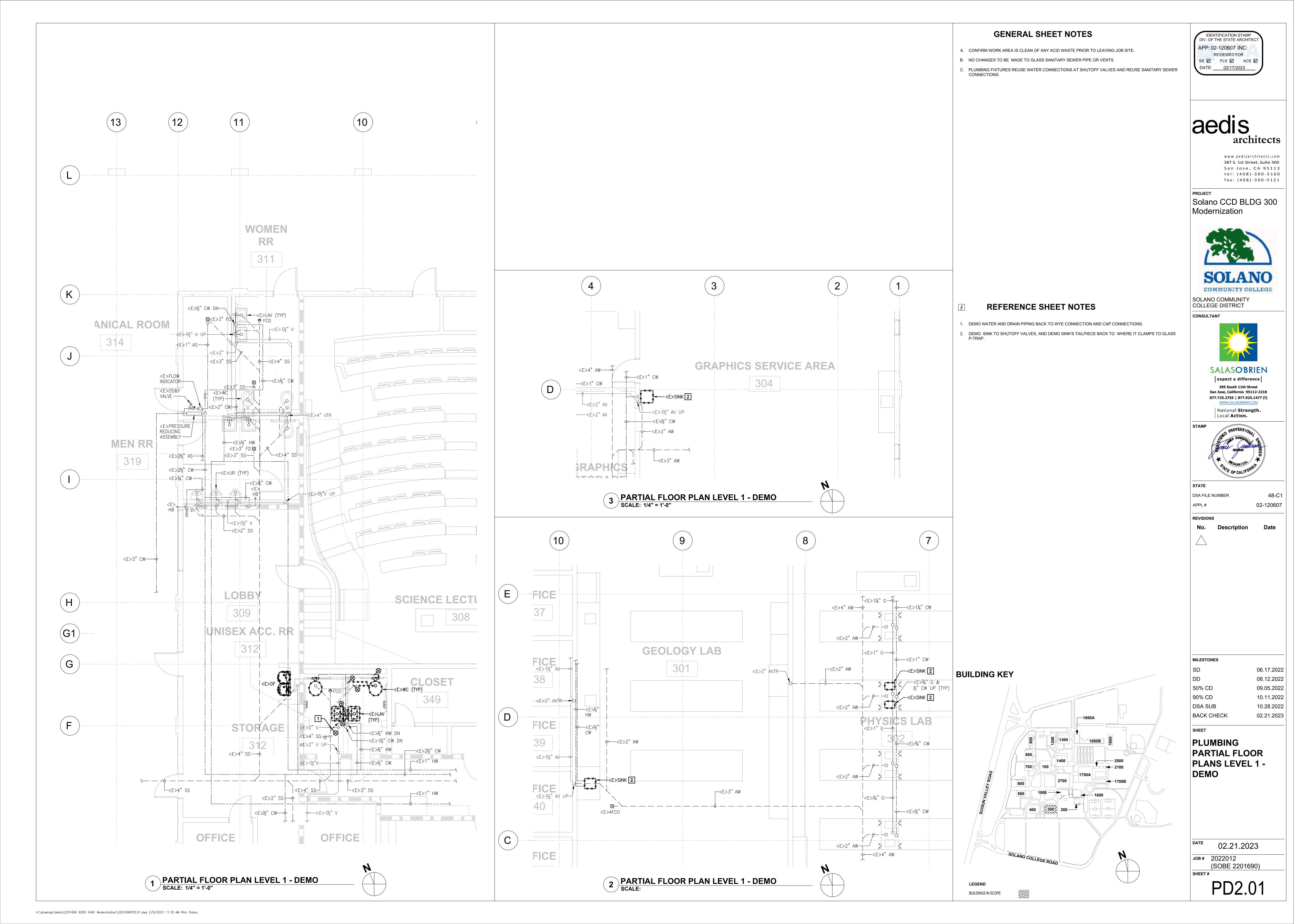
SHT NO.

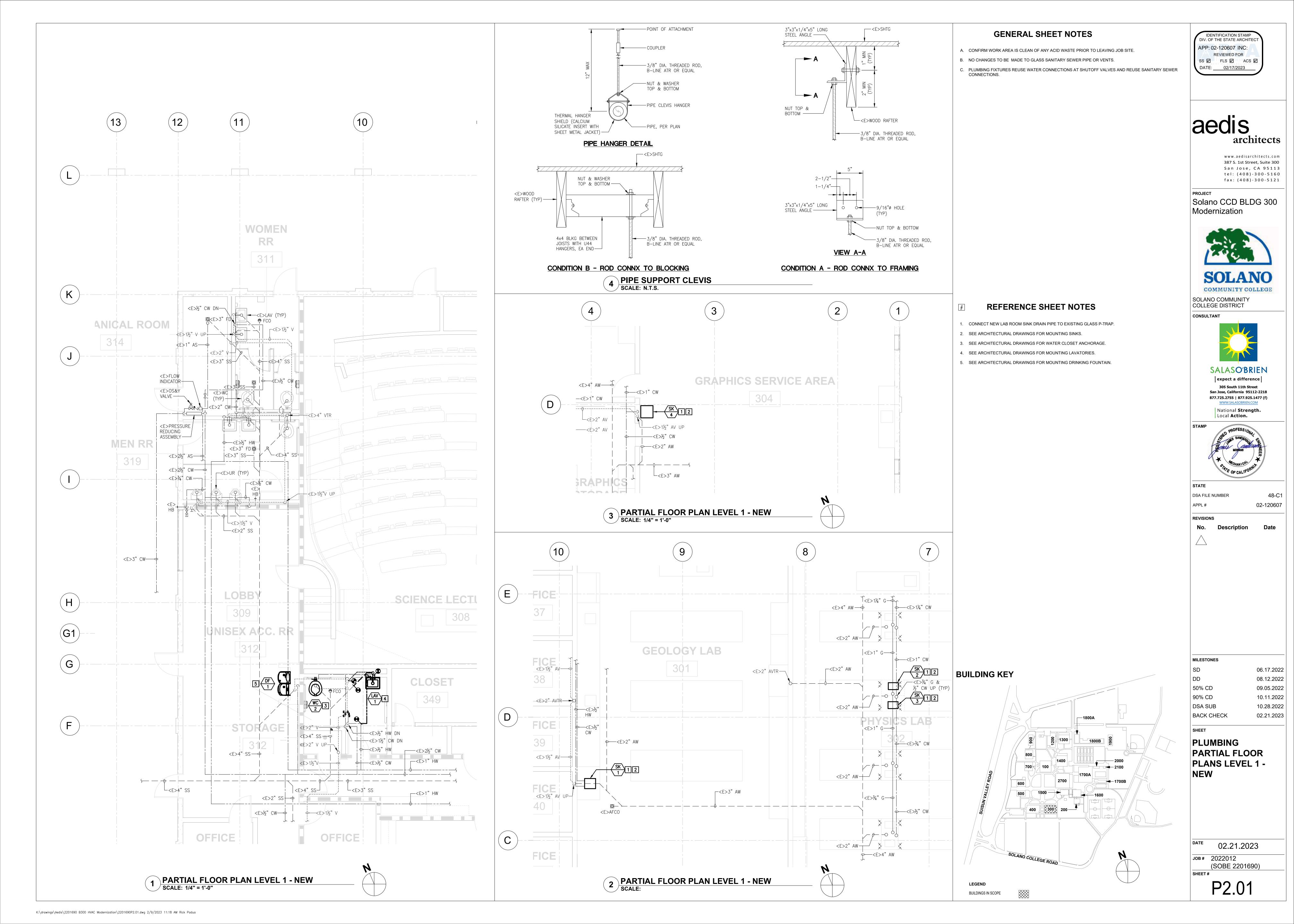
PLUMBING GENERAL NOTES, SYMBOLS & ABBREVIATIONS PLUMBING PARTIAL FLOOR PLANS LEVEL 1 - DEMO

PLUMBING PARTIAL FLOOR PLANS LEVEL 1 - NEW

PLUMBING DRAWING INDEX

<u>DESCRIPTION</u>





**GENERAL NOTES** 

2. ALL TEMPORARY CONNECTIONS SHALL BE CONSIDERED PART OF THIS CONTRACT AND NO EXTRA CHARGES WILL BE ALLOWED. THIS SHALL INCLUDE MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT.

FOR THE DURATION OF THE PROJECT.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY, PERSONAL, AND PROPERTY DAMAGE, TO FULLY PROTECT THE OWNER, ARCHITECT, AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FROM THIS WORK.

4. THE CONTRACTOR SHALL PROVIDE TO THE ARCHITECT A CONSTRUCTION SCHEDULE OF ALL ELECTRICAL WORK. THE CONSTRUCTION SCHEDULE SHALL IDENTIFY ALL SIGNIFICANT MILESTONES WITH COMPLETION DATES.

5. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS AT THE PROJECT SITE INDICATING ALL MODIFICATIONS TO ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL, AT THE CONCLUSION OF THE PROJECT, PROVIDE A SET OF REPRODUCIBLE (AUTOCAD), ACCURATE AND NEAT "AS-BUILT" DRAWINGS ACCEPTABLE TO THE ARCHITECT.

THESE DRAWINGS DO NOT REPRESENT THE EXACT LOCATIONS, SIZES OR EXTENT OF UTILITIES ON SITE. CONTRACTOR SHALL TAKE STANDARD PRECAUTIONS FOR WORK IN EXISTING FACILITIES.

7. EXISTING ELECTRICAL WIRING WHICH WILL NOT BE MADE OBSOLETE AND WHICH WILL BE DISTURBED DUE TO CONSTRUCTION CHANGES REQUIRED BY THIS CONTRACT SHALL BE RESTORED TO OPERATING CONDITION, AS REQUIRED AND/OR DIRECTED. WHERE REQUIRED, SHOWN AND/OR DIRECTED. OUTLETS AND CONDUIT RUNS SHALL BE RELOCATED. IN SOME CASES IT MAY BE NECESSARY TO EXTEND CONDUITS AND PULL IN NEW WIRING OR INSTALL JUNCTION BOXES AND SPLICE IN NEW WIRING OR REPLACE OLD WIRING WITH NEW.

8. CERTAIN REMODELING OF ELECTRICAL FACILITIES WILL BE REQUIRED IN THE EXISTING BUILDING. EXISTING CONDUIT RUNS ARE GENERALLY NOT SHOWN, ALTHOUGH A FULL ATTEMPT HAS BEEN MADE TO SHOW SOME EXISTING CONDITIONS, OF WHICH INFORMATION HAS BEEN TAKEN FROM EXISTING RECORD DRAWINGS AND/OR LIMITED FIELD INVESTIGATIONS. THE DRAWINGS SHOWING LOCATION OF EXISTING EQUIPMENT, OUTLETS, FIXTURES, ETC., ARE APPROXIMATE ONLY (CONTRACTOR TO FIELD VERIFY).

9. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BE LISTED AND LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY AND SHALL BE INSTALLED AS PER LISTING OR LABELING (IE. MAXIMUM FUSE SIZE MEANS FUSE PROTECTION IS REQUIRED).

10. ALL ELECTRICAL EQUIPMENT AND INSTALLATION SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:

a. AMERICAN STANDARD ASSOCIATION (ASA)

b. AMERICAN NATIONAL STANDARD INSTITUTE (ANSI)

c. AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) d. CALIFORNIA CODE OF REGULATIONS TITLE 24 (CCR)

e. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE) f. INSULATED POWER CABLE ENGINEERS ASSOCIATIONS (IPCEA)

g. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATIONS (NEMA)

h. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) i. ALL LOCAL CODE HAVING JURISDICTION

11. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTIONS AND INCIDENTAL COSTS NECESSARY FOR EXECUTION AND COMPLETION OF ELECTRICAL WORK, INCLUDING ALL CHARGES BY STATE, COUNTY AND LOCAL GOVERNMENTAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR THE ELECTRICAL UTILITY SYSTEM SHUT-DOWNS AND START-UP. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION REQUIRED WITH OTHER AGENCIES AND UTILITY COMPANIES.

12. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CROSSINGS ON NEW UTILITIES WITH THAT OF EXISTING ON SITE AND IN ADJACENT PROPERTIES. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DEVIATIONS OR DISCREPANCIES FROM THIS PLAN.

13. CONTRACTOR SHALL COORDINATE HIS/HER WORK WITH OTHER TRADE ON SITE. ANY COST TO PERFORM WORK TO ACCOMPLISH SAID COORDINATION WHICH DIFFERS FROM THE WORK AS SHOWN ON THE DRAWINGS SHALL BE INCURRED BY THE CONTRACTOR. ANY DISCREPANCIES, AMBIGUITIES OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT DURING BID TIME FOR CLARIFICATIONS. ANY SUCH CONFLICTS NOT CLARIFIED PRIOR TO BID SHALL BE SUBJECT TO THE INTERPRETATION OF THE ARCHITECT/ENGINEER AT NO ADDITIONAL COST TO THE OWNER.

14. COORDINATE WITH OTHER TRADES AS TO THE EXACT LOCATION OF THEIR RESPECTIVE EQUIPMENT. PROVIDE POWER AND CONNECTION TO MOTORS AND EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS AS INDICATED ON ELECTRICAL DRAWINGS AND DRAWINGS OF OTHER TRADES. CONTRACTOR SHALL REVIEW DRAWINGS OF OTHER TRADES FOR CONTROL DIAGRAMS, SIZE AND LOCATION OF EQUIPMENT. DISCONNECT SWITCHES, STARTERS, AND CONDUITS FOR CONTROL WIRING FOR MECHANICAL AND PLUMBING EQUIPMENT SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING MANUFACTURER'S SHOP DRAWINGS PRIOR TO ROUGHING IN ALL CONDUITS TO THIS EQUIPMENT.

15. BEFORE ROUGH-IN, VERIFY ALL MOUNTING HEIGHTS AND EXACT LOCATIONS FOR ALL EQUIPMENT, ELECTRICAL CONNECTIONS, STUB-UPS, RECEPTACLES, OUTLETS, CONDUIT RUNS, ETC. WITH ARCHITECT AND 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 DRAWINGS SHALL GOVERN. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF ELECTRICAL DEVICES

16. MOUNTING HEIGHTS OF ALL CONTROL DEVICES TO BE USED BY OCCUPANT OF THE ROOM OR AREA SHALL BE MOUNTED AT THE FOLLOWING HEIGHTS: RECEPTACLES OUTLETS : +18" (TO BOTTOM OF OUTLETS) TELEPHONE/TV/DATA OUTLETS : +18" (TO BOTTOM OF OUTLETS) LIGHT SWITCHES : +44" (TO HIGHEST OPERABLE PART) OUTLETS ABOVE COUNTER : +44" (TO HIGHEST OPERABLE PART)

MOUNTING HEIGHTS OF ALL DEVICES AND EQUIPMENT ARE FROM FINISHED FLOOR TO LOCATION OF DEVICE AS NOTED. EQUIPMENT INSTALLED IN LOCATIONS NOT APPROVED BY THE ARCHITECT SHALL BE RELOCATED AS DIRECTED BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.

17. COORDINATE ALL OUTLET BOX INSTALLATION WITH ARCHITECTURAL WALL FINISH SCHEDULES. SPACE BETWEEN FACEPLATE AND DEVICE BOX SHALL NOT EXCEED 1/8".

18. FOR RENOVATION WORK, THE CONTRACTOR SHALL CONCEAL ALL WORK WHERE POSSIBLE. ALL EXPOSED RACEWAY AND BOXES IN OCCUPIED AREAS OR ON EXTERIOR WALLS SHALL BE PAINTED TO MATCH ADJACENT FINISHES.

19. THE CONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRING PATCHING, PLASTERING, PAINTING AND/OR OTHER REPAIR DUE TO THE INSTALLATION OF ELECTRICAL WORK UNDER THE TERMS OF THIS SPECIFICATION. CLOSE ALL OPENINGS, REPAIR ALL SURFACES, ETC., AS REQUIRED.

20. SEAL ALL CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS AND CEILINGS. FURNISH AND INSTALL FIRE RATED BACKBOXES AS REQUIRED, MAINTAINING FIRE RATING OF CEILING OR WALLS WHERE RECESSED ELECTRIC EQUIPMENT SUCH AS LIGHT FIXTURES. SWITCHES. RECEPTACLES, PANEL, ETC. ARE INSTALLED IN RATED WALL OR CEILINGS. PENETRATIONS OF FIRE RATED WALLS, CEILINGS, OR FLOORS SHALL COMPLY WITH CBC CHAPTER 7 (714) REQUIREMENTS. CONDUIT PENETRATIONS THAT ARE NOT STUBBED-OUT INSIDE THE WALL SHALL MEET F AND T RATING. ALL FIRE PROOFING METHODS SHALL BE UL APPROVED.

21. ALL EXTERIOR EQUIPMENT SHALL BE NEMA 3R RATED. ALL WALL PENETRATIONS TO EXTERIOR WALLS SHALL BE SEALED WATER TIGHT.

22. PULLING TAPES: ALL RACEWAY WITHOUT CABLE OR WIRE SHALL BE INSTALLED WITH A MINIMUM 1100 LBS. STRENGTH TEST POLYESTER PULLING TAPE. PULLING TAPES SHALL BE DETECTABLE MULE-TAPE WITH SEQUENTIAL FOOTAGE MARKING.

23. RUN NO MORE THAN 3 CURRENT CARRYING CONDUCTORS IN ANY WIREWAY UNLESS

DE-RATING IS APPROVED BY ENGINEER OR SHOWN ON DRAWINGS. 24. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER, #10 AWG MINIMUM, RATED FOR 600V, THHN/THWN, 75 DEGREE CELSIUS. ALL CONDUCTORS SHALL BE STRANDED, SOFT DRAWN ANNEALED COPPER WIRE 98% CONDUCTIVITY, BEARING THE UL LABEL. SYSTEM VOLTAGE SHALL BE IDENTIFIED AS TO VOLTAGE AND PHASE CONNECTIONS BY MEANS OF COLOR IMPREGNATED INSULATION OR APPROVED COLORED MARKING TAPE.

25. WHERE MULTI-HOMERUNS ARE INDICATED ON DRAWINGS INDICATING THE SAME CIRCUIT NUMBER, PROVIDE A JUNCTION BOX ABOVE THE ACCESSIBLE CEILING AND ROUTE ONE SET OF WIRES TO THE CIRCUIT BREAKER.

26. REFER TO THE SINGLE LINE DIAGRAM FOR THE CONDUIT AND CONDUCTOR SIZES HOMERUN TO ELECTRICAL PANELS. CONDUIT RUNS MAY NOT BE SHOWN ON DRAWINGS, BUT ARE PART OF THIS CONTRACT.

27. ALL CONDUIT RUNS INCLUDING STRAIGHT FEEDER AND BRANCH CIRCUIT SHALL BE PROVIDED WITH SUFFICIENT PULL BOXES OR JUNCTION BOXES TO LIMIT THE MAXIMUM LENGTH OF ANY SINGLE CABLE PULL TO 100 FEET. PULL BOXES SHALL BE SIZED PER CODE OR AS INDICATED ON DRAWINGS. LOCATIONS SHALL BE DETERMINED IN THE FIELD OR AS INDICATED ON THE DRAWINGS.

28. FINAL CONNECTIONS TO ALL EQUIPMENT SHALL BE PER MANUFACTURER'S APPROVED WIRING DIAGRAMS, DETAILS, AND INSTRUCTIONS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MATERIAL AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.

29. DO NOT COMBINE DIFFERENT SYSTEM VOLTAGES IN SAME CONDUIT (EG., 120/208V VS. 277/480V), UNLESS APPROVED BY ENGINEER OR SHOWN ON DRAWINGS.

30. ELECTRICAL SYSTEMS SHALL BE INSTALLED FOR FINAL INSPECTIONS. PROVIDE NEUTRAL TEST AND PROOF OF TORQUE DURING FINAL INSPECTION FOR ALL UNITS. FINAL TERMINATIONS OF CONDUCTORS TO ELECTRICAL EQUIPMENT AND DEVICES SHALL BE TORQUE WRENCH TIGHTENED TO THE MANUFACTURER'S RECOMMENDED SPECIFICATION, NO EXCEPTION.

31. CIRCUIT BREAKER TERMINALS IN SWITCHBOARDS AND LOAD CENTER SHALL BE UL LISTED AND APPROVED FOR USE WITH COPPER 75 DEGREE CELSIUS CONDUCTORS.

32. SIZES OF BREAKERS. SWITCHES. FUSES AND FEEDERS ARE BASED ON DESIGNED EQUIPMENT SIZES. THESE SIZES SHALL BE ADJUSTED TO SATISFY REQUIREMENTS OF ACTUAL INSTALLED OR SUBSTITUTE EQUIPMENT. UP SIZING OR DOWNSIZING OF FEEDERS SHALL BE PROVIDED WITHOUT ADDITIONAL COST TO THE OWNER.

33. AS REQUIRED ALL OVERSIZED FEEDERS THAT WERE ADJUSTED IN SIZE TO COMPENSATE FOR VOLTAGE DROP SHALL BE PROVIDED WITH ADAPTER LUGS OR SPLICE BOX. ADAPTER LUGS SHALL BE PROVIDED IF SIZE IS AVAILABLE. OTHERWISE PROVIDE CABLE SPLICES IN THE SPLICE BOX TO REDUCE CABLES TO THE MAXIMUM SIZE THAT THE BREAKER LUGS CAN ACCOMMODATE.

34. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAW-CUTTING, TRENCHING, BACKFILLING, COMPACTION AND PATCHING OF CONCRETE AND ASPHALT AS REQUIRED TO COMPLETE WORK. USE EXTREME CAUTION WHEN TRENCHING NEAR EXISTING UNDERGROUND UTILITY LINES. CONTRACTOR SHALL PROVIDE ALL REQUIRED CUTTING, PATCHING, PAINTING, AND REPAIRS NECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS EXISTING AT THE START OF WORK.

35. ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST HORIZONTAL FORCE ACTING IN ANY DIRECTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF ASCE7.

36. ALL INTERIOR AND ABOVE GRADE EXTERIOR CONDUIT INSTALLATION SHALL BE RIGID

GALVANIZED STEEL, UNLESS EXCEPTED BY NOTE 37 BELOW.

37. ELECTRICAL METALLIC TUBING (EMT) MAY BE USED IN THE FOLLOWING CONDITIONS: INTERIOR APPLICATIONS, SMALLER THAN 2" TRADE SIZE DIAMETER AND INSTALLED EIGHT (8) FEET FROM FINISHED FLOOR OR HIGHER, OR INTERIOR APPLICATIONS, SMALLER THAN 2" TRADE SIZE DIAMETER AND ENTERING A PANEL FROM ABOVE.

38. CONNECTIONS TO VIBRATING EQUIPMENT (MOTOR, TRANSFORMER ENCLOSURE, ETC.) AND SEISMIC SEPARATIONS SHALL BE PROVIDED WITH LIQUID-TIGHT FLEXIBLE STEEL CONDUIT WITH WATERTIGHT CONNECTORS. MAXIMUM LENGTH OF CONDUIT SHALL BE SIX FEET, UNLESS OTHERWISE NOTED.

39. POLYVINYL CHLORIDE (PVC) SCHEDULE 40 MAY BE INSTALLED BENEATH SLAB AND UNDERGROUND INSTALLATION. INSTALL PVC COATED RIGID STEEL CONDUIT FOR TRANSITION

FROM UNDERGROUND TO ABOVE GRADE INSTALLATION. 40. CONTRACTOR SHALL PROVIDE TERMINATIONS FOR ALL DATA/VOICE CABLES INDICATED AT

OUTLET LOCATIONS INDICATED ON DRAWINGS. 41. CONTRACTOR SHALL PROVIDE AND INSTALL ACCESS PANELS IN NON-ACCESSIBLE CEILINGS WHERE REQUIRED TO ACCESS ELECTRICAL EQUIPMENT IN CEILING SPACE. ACCESS DOORS

SHALL HAVE FIRE RATING EQUAL TO THE CEILING ASSEMBLY IN WHICH THEY ARE INSTALLED.

42. ALL FIRE LIFE SAFETY EQUIPMENT, SUCH AS FIRE ALARM CONTROL PANEL AND REMOTE POWER SUPPLIES SHALL BE PROVIDED WITH DEDICATED CIRCUITS. IDENTIFY CIRCUIT DESIGNATION AND PROVIDE PERMANENT LABELING, "FIRE ALARM CIRCUIT" ON ELECTRICAL PANEL. PROVIDE LOCKABLE CIRCUIT BREAKER.

43. CONTROL CONDUIT FOR ENERGY/BUILDING MANAGEMENT SYSTEM (E/BMS) SHALL BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.

44 ROUTE CONDUIT PARALLEL AND PERPENDICULAR TO WALLS AND ADJACENT PIPING. ARRANGE CONDUIT TO MAINTAIN HEADROOM AND TO PRESENT A NEAT APPEARANCE.

45. WHEN A DISCREPANCY IN QUANTITY OR SIZE OF CONDUIT, WIRE, EQUIPMENT, CIRCUIT BREAKERS. ETC.. ARISES ON THE DRAWINGS OR SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIAL REQUIRED BY THE MOST STRINGENT CONDITIONS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS TO PROVIDE A COMPLETE AND OPERABLE SYSTEM. OR AS DIRECTED BY ENGINEER.

46. FOR SMALL AC MOTORS NOT HAVING BUILT-IN THERMAL OVERLOAD PROTECTION, PROVIDE MANUAL MOTOR STARTERS WITH OVERLOAD HEATER ELEMENTS SIZED PER MANUFACTURER'S RECOMMENDATION. FOR SMALL AC MOTORS WITH BUILT-IN THERMAL OVERLOAD PROTECTION. PROVIDE A HORSEPOWER RATED TOGGLE DISCONNECT SWITCH.

47. DISCONNECT SAFETY SWITCHES SHALL BE HEAVY DUTY AND BE RATED FOR THE NUMBER OF POLES, VOLTAGE, CURRENT AND HORSEPOWER RATING AS REQUIRED. PROVIDE FUSE PROTECTION BASED ON THE MOTOR NAMEPLATE RATINGS.

48. PROVIDE PERMANENT IDENTIFICATION (NAMEPLATES) FOR ALL ELECTRICAL PANELS, SWITCHBOARDS, MOTOR CONTROL CENTERS, DISCONNECT SWITCHES, TRANSFORMERS, TERMINAL

49. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO VERIFY TYPE OF CEILING SYSTEMS AND TO FURNISH APPROVED LIGHTING FIXTURES OF THE TYPE REQUIRED FOR MOUNTING IN SUBJECT CEILING. PROVIDE ALL NECESSARY MOUNTING KIT/HARDWARE TO PROVIDE A COMPLETE WORKING LIGHTING SYSTEM.

50. ALL FINAL ELECTRICAL CONNECTIONS TO OWNER FURNISHED EQUIPMENT SHALL BE MADE BY THE ELECTRICAL CONTRACTOR.

51. ALL SPLICES AND TERMINALS SHALL BE COMPRESSION TYPE, OF SEAMLESS PURE COPPER, TIN PLATED, LONG BARREL, INSPECTION WINDOW, TERMINALS WITH TWO-HOLE PAD (WITH NEMA DRILLING). CLEAN ALL SURFACES AND INSTALL WITH OXIDE INHIBITING COMPOUND BURNDY PENETROX-E OR EQUAL. APPLY COMPOUND BETWEEN BUS BAR AND LUG PAD AND BETWEEN CONDUCTOR AND LUG BARREL. INSTALL COMPRESSION CONNECTORS WITH A FULLY CIRCUMFERENTIAL COMPRESSION DIE BURNDY HYPRESS OR EQUAL.

52. LABEL ALL CONDUIT WHERE IT BEGINS, AND WHERE IT TERMINATES INTO A BOX, PANEL, DEVICE, LOAD, OR DISCONNECT. CONDUIT SHALL BE LABELED EVERY 30 FEET OR LESS. CONDUIT SHALL BE LABELED WHERE IT PENETRATES ANY WALL OR FLOOR. LABEL SHALL BE PERMANENT PRINTED LABELS (DESCRIBING SOURCE, CIRCUIT, AND LOAD) LEGIBLE FROM FLOOR WHERE POSSIBLE (STANDING POSITION).

53. CONTRACTOR'S FAILURE TO ORDER OR RELEASE ORDER FOR MATERIALS AND/OR EQUIPMENT WILL NOT BE ACCEPTED AS A REASON TO SUBSTITUTE ALTERNATE MATERIALS, EQUIPMENT OR INSTALLATION METHODS.

54. PROVIDE ARC-FLASH HAZARD WARNING LABELS ON ALL AFFECTED ELECTRICAL EQUIPMENT, INCLUDING SWITCHBOARDS, PANEL BOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS. MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS. LABEL SHALL BE FACTORY PRE-PRINTED OR MACHINE-PRINTED SELF-ADHESIVE VINYL MATERIAL; UV, CHEMICAL, WATER, HEAT AND ABRASION RESISTANT; PRODUCED USING MATERIALS RECOGNIZED BY UL 969. MINIMUM SIZE: 3.5 BY 5 INCHES.

55. UNLESS OTHERWISE NOTED, ARRANGE, PAY FOR, COORDINATE AND PROVIDE ALL PERMITS NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM.

MANUFACTURER

FINELITTE

FINELITTE

LITHONIA

**MANUFACTURER** 

WATTSTOPPER

1. PRIOR TO ORDERING AND INSTALLING FIXTURES. CONFIRM AND COORDINATE THE FOLLOWING WITH

56. ALL WORK IS <N> UNLESS OTHERWISE NOTED.

SYMBOL

\_\_\_\_

TYPE

**SYMBOL** 

THE OWNER/ARCHITECT:

d. VOLTAGES.

c. COLOR AND FINISHES.

a. EXACT MOUNTING ELEVATIONS.

b. EXACT LOCATION OF FIXTURES; ADJUST AS NECESSARY.

57. ELECTRICAL CONDUCTORS SERVING EQUIPMENT SUPPLIED BY POWER CONVERSION EQUIPMENT AS PART OF A VARIABLE FREQUENCY DRIVE (VFD) SYSTEM AND/OR A SERVO DRIVE SYSTEM SHALL HAVE THERMOSET INSULATION TYPE XHHW, OR XHHW-2

REMOVE EXISTING EQUIPMENT IN CONFLICT WITH NEW CONDITIONS. REMOVE ALL WIRE NOT IN

2. EXISTING SYSTEMS SHALL REMAIN ON AT ALL TIMES. CONTRACTOR MUST REQUEST THE SHUTDOWN DATE 30 DAYS IN ADVANCE PRIOR TO ANY EQUIPMENT SHUTDOWN. THERE SHALL BE A MAXIMUM OF TWO SHUTDOWNS OF 8 HOURS EACH. INFORM THE CITY IF DOWNTIME IS TO EXCEED THIS TIME AND/OR IF ADDITIONAL SHUTDOWNS WILL BE NECESSARY.

SERVICE AND FROM ABANDONED RACEWAYS. PROTECT EXISTING CIRCUITING PASSING

THROUGH DEMOLITION AREAS. EXTEND AND/OR RELOCATE AS NECESSARY

**DEMOLITION NOTES** 

3. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL EQUIPMENT AFFECTED BY THE PROJECT. THIS INCLUDES REROUTING OR THE EXTENSION OF EXISTING CONDUIT AND FEEDER WHERE NECESSARY TO MAINTAIN OPERATIONAL OF ANY EXISTING EQUIPMENT.

4. CIRCUIT NUMBERS AND CONDUIT HOMERUNS SHOWN ON THESE DRAWINGS WERE TAKEN FROM EXISTING RECORD DRAWINGS. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO VERIFY EXISTING CIRCUITING AND CONDUIT HOMERUNS. ADJUST CIRCUIT NUMBERS ACCORDING TO THE ACTUAL

5. WHERE EXISTING CONDUIT IS TO BE ABANDONED OR DEMOLISHED, THE CONDUIT SHALL BE REMOVED IF IT IS EXPOSED, IN A CRAWL SPACE OR IN AN ACCESSIBLE CEILING. ABANDONED OR DEMOLISHED CONDUIT FEEDS UP THROUGH THE FLOOR SHALL BE CUT OFF AND PLUGGED FLUSH WITH THE FLOOR.

6. ALL ELECTRICAL EQUIPMENT INCLUDING LIGHT, RECEPTACLE, DATA, FIRE ALARM, ETC., THAT ARE TO BE REMOVED, SHALL BE REMOVED COMPLETELY, INCLUDING CONDUIT AND WIRING BACK TO THE LAST DEVICE REMAINING IN SERVICE, OR SOURCE.

7. EXISTING CIRCUITS WHICH ARE REMOVED AND NOT REUSED SHALL BE IDENTIFIED ON THE PANEL SCHEDULE AS "SPARE".

8. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO REMOVAL OF EXISTING ELECTRICAL EQUIPMENT AND TURN OVER REMOVED EQUIPMENT THAT THE OWNER REQUESTS IN AN "AS-FOUND" CONDITION.

9. ALL DEMOLITION WORK SHOWN, IF ANY, WAS PREPARED FOR THE CONVENIENCE OF THE CONTRACTOR. NO REPRESENTATION HAS BEEN MADE THAT ALL ITEMS THAT MAY REQUIRE DEMOLITION HAVE BEEN SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CAREFULLY EXAMINE THE SITE AND THE CONTRACT DOCUMENTS AND TO PERFORM ALL DEMOLITION AND RECONSTRUCTION WHICH MAY BE REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.

10. WHEN CALLED FOR, OR SCOPE OF WORK REQUIRES ELECTRICAL EQUIPMENT TO BE REMOVED, ALL CONDUIT, WIRE, BOXES, HANGERS, ETC. SHALL BE REMOVED COMPLETELY. ALL OPENINGS SHALL BE PATCHED, SEALED AND PAINTED TO MATCH THE ADJACENT FINISH.

### SHUTDOWN NOTES

1. POWER INTERRUPTION OF THE ELECTRICAL SWITCHBOARDS WILL AFFECT:

THE ENTIRE EMERGENCY DISTRIBUTION SYSTEM IN THE BUILDING. LOADS VARY FROM IDF ROOMS, OFFICES, UTILITY ROOMS, AC UNITS, ELEVATORS, CAFÉ, EXHIBITS, ETC.

CONTRACTOR SHALL COORDINATE SHUTDOWN AND RECONNECTION WITH THE DISTRICT PROJECT MANAGER PRIOR TO BEGINNING WORK. ALL ELECTRICAL CONNECTIONS REQUIRING AN OUTAGE SHALL BE MADE DURING AN APPROVED TIME PERIOD, AT THE CONVENIENCE OF THE CITY.

3. DETAILED METHOD OF PROCEDURE (DMOP) SHALL BE SUBMITTED, REVIEWED AND APPROVED BEFORE THE REQUEST FOR SHUTDOWN.

CONTRACTOR SHALL REQUEST THE SHUTDOWN DATE 60 DAYS IN ADVANCE PRIOR TO ANY EQUIPMENT SHUTDOWN. DURING THE SHUTDOWN, SYSTEMS OUTSIDE THE SCOPE OF WORK SHALL REMAIN ON AT ALL TIMES. THERE SHALL BE A MAXIMUM OF ONE SHUTDOWN:

a. 4 HOUR FOR THE BUILDING. b. INFORM THE CITY IF DOWNTIME IS TO EXCEED THIS TIME AND/OR IF ADDITIONAL SHUTDOWNS WILL BE NECESSARY.

5. ANY SHUTDOWNS MUST BE PERFORMED ON THE WEEKENDS; SUNDAY EARLY MORNING CONFIRM EXACT TIME WITH THE CITY. POWER MUST BE RESTORED BY 5:30 AM.

6. PRIOR TO DISCONNECTION OF ELECTRICAL EQUIPMENT AND/OR CABLES, CONTRACTOR SHALL VERIFY AND TEST EQUIPMENT FOR FUNCTIONALITY AND NOTIFY CITY OF

7. CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING CITY AND OSHA SAFETY STANDARDS APPLICABLE TO THIS PROJECT.

8. CONTRACTOR SHALL PROVIDE FIRE WATCH FOR THE ENTIRE DURATION OF THE SHUTDOWN.

CONSTRUCTION PHOTOGRAPHIC RECORDS

### SCHOOL EQUIPMENT ANCHORAGE

**SYMBOLS** 

---- BRANCH CIRCUIT WIRING IN CONDUIT CONCEALED UNDER FLOOR

BRANCH CIRCUIT HOME RUN TO PANEL. CONCEALED IN CEILING

BRANCH CIRCUIT WIRING IN CONDUIT EXPOSED ON ROOF

EXTENT OF DEMOLITION

OR BUILDING EXTERIOR

SPACE OR WHERE POSSIBLE.

REFERENCE SHEET NOTE.

DETAIL TAG. REFER TO DETAIL 1

ELECTRICAL PANEI

CONDUIT STUBOUT

LIGHTING CIRCUIT DESIGNATION

SPEAKER - CEILING MOUNTED

POWER CORD - CEILING MOUNTED

FIRE ALARM HORN - CEILING MOUNTED

PENDANT LIGHT - CEILING MOUNTED

SWITCH, HORSE POWER RATED, COMMERCIAL TYPE

WALL-MOUNTED DUPLEX RECEPTACLE MOUNTED AT 44" A.F.F.

WALL-MOUNTED DUPLEX RECEPTACLE 20A,

125V. 3WG. (2) NEMA 10-20R. ±18" UON

DUPLEX GFI RECEPTACLE, MOUNTED AT 4" A.F.F.,

34" CONDUIT FROM ACCESS CONTROL PANEL

DUPLEX GFI RECEPTACLE, WEATHER RESISTANT

GROUND FAULT INTERRUPTER WITH WEATHER PROOF

CARD READER, MOUNT ON J-BOX AND PROVIDE MIN

20A, 125V, 3WG, NEMA 10-20R, UON

GROUND FAULT INTERRUPTER

WHILE-IN-USE METALLIC COVER

AUDIO - WALL MOUNTED

PTZ DOME CCTV CAMERA

STROBE - CEILING MOUNTED

WIRELESS ACCESS POINT

SECURITY CAMERA

RACK WIREWAY

OR UNDERGROUND

CIRCUIT BREAKER

LOAD IN KVA

E4.01 ON SHEET E4.01.

PULLBOX

Δ, TRANSFORMER

NEW TO EXISTING CONNECTION

THE CONTRACTOR SHALL PROVIDE PRECONSTRUCTION DIGITAL PHOTOGRAPHS AND VIDEO RECORDINGS PRIOR TO COMMENCEMENT OF WORK ON THE SITE. BEFORE CONSTRUCTION MAY START, CONTRACTOR SHALL DOCUMENT ANY EXISTING CONDITIONS THAT ARE NOT COVERED BY THE CONTRACT DOCUMENTS DAMAGED CONCRETE, WALLS, LANDSCAPE, ETC.). FAILURE TO DOCUMENT EXISTING DAMAGE WILL RESULT IN CONTRACTOR REPAIRS TO SURFACE TO MATCH ADJACENT AFTER CONSTRUCTION ACTIVITIES ADDITIONAL PRECONSTRUCTION PHOTOGRAPHS/VIDEOS SHALL BE TAKEN AT LOCATIONS TO BE DESIGNATED BY THE OWNER'S REPRESENTATIVE.

CONTRACTOR SHALL MAKE A VIDEO RECORDING OF ALL PROPOSED ROUTINGS FOR INFRASTRUCTURE WORK, NOTING CONDITIONS OF EXISTING SURFACES AND ADJACENT IMPROVEMENTS. ONE COPY OF COMPLETE VIDEO SHALL BE TRANSMITTED TO THE OWNER'S REPRESENTATIVE.

### CONSTRUCTION PHOTOGRAPHS

VOLTAGE | MAX VA | LAMPING | MOUNTING |

LED

LED

WALI

3. BASIS OF DESIGN OF CONTROL SYSTEM IS WATTSTOPPER.

4. CONTRACTOR IS RESPONSIBLE FOR LOW VOLTAGE WIRING (0-10 DIMMING)

5. ALL LIGHT FIXTURES ARE LESS THAN 20LBS. REFER TO SCHEDULE FOR EXACT WEIGHT.

2. ADHERE TO MANUFACTURER'S WIRING INSTRUCTIONS.

28.4

14.2

13.4

VOLTAGE | MOUNTING

120/277V

FIXTURE SCHEDULE

OCCUPANCY SENSOR SCHEDULE

CATALOG NO.

DSW-301-W

MVOLT

MVOLT

CATALOG NO.

R-DAO-R-SSA-277-SC-FC-10%-MB

R-DAO-R-SSA-277-SC-FC-10%-MB

FEM-L24-2000LM-IMAFL-WD-MVOLT-

HP-4-WM-ID-48-S-S-840-ASY-

HP-4-WM-ID-24-S-S-840-ASY-

BATTERY KIT: LGD10W

MOUNTING KIT: FEMSMB

GZ10-40K-80CRI

ABNORMALITIES.

THE CONTRACTOR SHALL PROVIDE CONSTRUCTION PHOTOGRAPHS SHOWING THE PROGRESS OF THE WORK AND AS MAY BE DIRECTED BY THE OWNER'S REPRESENTATIVE. PHOTOGRAPHS/VIDEOS SHALL BE FORMATTED, IDENTIFIED, AND DELIVERED AS DESCRIBED ABOVE FOR DIGITAL PHOTOS AND VIDEOS. STARTING ONE MONTH AFTER THE DATE OF THE PRECONSTRUCTION PHOTOGRAPHS AND CONTINUING AS LONG AS THE WORK IS IN PROGRESS, APPROXIMATELY 40 MONTHLY PHOTOGRAPHS SHALL BE TAKEN, CATALOGED AND CROSS REFERENCED TO DRAWINGS/PLANS.

ANY WORK TO BE CONCEALED (BURIED, BEHIND WALLS, ABOVE CEILING, BELOW SLAB, ETC.) SHALL BE PHOTO DOCUMENTED AFTER ANY TESTING AND INSPECTION AND PRIOR TO CONCEALING TO CLEARLY INDICATE THE WORK. DOCUMENT ON PLANS THE LOCATION AND ORIENTATION FOR EACH PHOTO DOCUMENTING CONCEALED WORK.

FOR FINAL COMPLETION, DOCUMENT ALL PUNCH LIST ITEM COMPLETION BY PHOTOGRAPH OR VIDEO. DELIVER CONSTRUCTION PHOTOGRAPHS AND VIDEOS WITHIN 10 DAYS OF CREATION. ALL PHOTOS AND VIDEOS SHALL BE OF SUFFICIENT QUALITY TO CLEARLY DEPICT WORK.

MOUNT

SURFACE

MOUNT

TYPE

HP-4 / 3514 LUMEN / 28.4W

/ 40K / 80CRI /4 FEET

HP-4 / 1702 LUMEN / 20W

/ 40K / 80CRI / 9LBS.

2000 LUMEN / 13.4W / 40K

/ 80CRI / 0-10V DIMMING /

/ 13.6LBS.

1.9LBS.

**DESCRIPTION** 

DUAL TECHNOLOGY PIR

WALL SWITCH OCCUPANCY SENSOR

### M/E/P COMPONENT ANCHORAGE NOTE:

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON-THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC SECTION 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.

2. TEMPORARY OR MOVABLE 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.

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

THE FOLLOWING 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 DIRECTIONS:

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

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS. OR IN THE CASE OF 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 FLECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2019 CBC, SECTIONS 1617A.1.24,

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

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

1617A.1.25 AND 1617A.1.26.

PROJECT SPECIFIC NOTES AND DETAILS. MP □ MD □ PP □ E □ OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) # \_\_\_\_\_.

MP □ MD □ PP □ E ☒ OPTION 1: DETAIL ON THE APPROVED DRAWINGS WITH

### EM **EMERGENCY** ЕМН ELECTRICAL MAN-HOLE **FLOOR** FEET FIRE SHUTTER GROUNDING CONDUCTOR GROUND FAULT INTERRUPTER GND GROUND KVA KILOVOLT AMPS LTG LIGHTING LTS LIGHTS MSB MAIN SWITCHBOARD NTS NOT TO SCALE POWER PNL PANEL PRKLTS PARKING LIGHTS PWR **POWER**

**ABBREVIATIONS** 

ALTERNATING CURRENT

ABOVE FINISH FLOOR

AMERICAN WIRE GAUGE

FUSED DISCONNECT SWITCH

AMPS

AFF

AWG

CLG

CKT

C.O.

DN

DSW

<E>

ELEC

AMP FRAME

CONDUIT

CEILING

CIRCUIT

DOWN

EXISTING

ELECTRICAL

CONDUIT ONLY

<R> REMOVE <RRN> REMOVE AND REPLACE WITH NEW REC RECEPTACLE RPS REMOTE POWER SUPPLY S.E.D. SEE ELECTRICAL DRAWINGS SLD SINGLE LINE DIAGRAM SWBD SWITCHBOARD

TRIP TICKET BOOTH TYPICAL UNDERGROUND UON UNLESS OTHERWISE NOTED VOLTS

WIRE, WATTS WIRELESS ACCESS POINT WEATHERPROOF TRANSFORMER

APPLICABLE CODES

UNLESS OTHERWISE INDICATED OR SPECIFIED, PERFORM THE WORK IN CONFORMANCE WITH THE LATEST EDITIONS OF ALL APPLICABLE REGULATORY REQUIREMENTS, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

1. CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24): 2022

2. CALIFORNIA BUILDING CODE (PART 2, TITLE 24): 2018 IBC WITH 2019 CA AMENDMENTS

3. CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24): 2017 NEC WITH 2019 CA

4. CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24): 2018 UMC WITH 2019 CA

5. CALIFORNIA PLUMBING CODE (PART 5, TITLE 24) 2018 UPC WITH 2019 CA

AMENDMENTS

6. CALIFORNIA ENERGY CODE (PART 6, TITLE 24): 2019 7. CALIFORNIA HISTORICAL BUILDING CODE, (PART 8, TITLE 24): 2019

8. CALIFORNIA FIRE CODE (PART 9, TITLE 24): 2018 IFC WITH 2019 CA AMENDMENTS

9. CALIFORNIA EXISTING BUILDING CODE (PART 10, TITLE 24): 2019 (2018 INTERNATIONAL EXISTING BUILDING CODE WITH 2019 CA AMENDMENTS)

10. CALIFORNIA GREEN BUILDING STANDARDS CODE OR CAL GREEN (PART 11, TITLE 24):

2019 11. CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24): 2019

12. PUBLIC SAFETY (CCR TITLE 19), STATE FIRE MARSHAL: CURRENT REVISION

### SUMMARY OF WORK

1. PROVIDE ELECTRICAL CONNECTIONS IN SUPPORT OF MECHANICAL AND CONTROLS EQUIPMENT INCLUDING BUT NOT LIMITED TO VFD, DRINKING FOUNTAIN, ETC.

2. DEMOLISH EXISTING RESTROOM LIGHT FIXTURES AND CONTROL.

13. NFPA 72, NATIONAL FIRE ALARM CODE, 2016 EDITION

3. FURNISH AND INSTALL NEW LIGHT FIXTURES AND CONTROLS.

4. FURNISH AND INSTALL POWER FOR FIRE ALARM SYSTEM.

### ELECTRICAL DRAWING INDEX

ELECTRICAL GENERAL NOTES, SYMBOLS & ABBREVIATIONS ELECTRICAL TITLE 24 ELECTRICAL FLOOR PLAN LEVEL 1 - DEMO ELECTRICAL FLOOR PLAN LEVEL 1 - NEW

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 02/17/2023

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

www.aedisarchitects.com

PROJECT Solano CCD BLDG 300 Modernization



SOLANO COMMUNITY COLLEGE DISTRICT CONSULTANT



San Jose, California 95112-2218 877.725.2755 | 877.925.1477 (f) WWW.SALASOBRIEN.COM National Strength. Local **Action.** 

STATE 48-C1 DSA FILE NUMBER

02-120607 APPL# REVISIONS Description

**MILESTONES** 

06.17.2022 08.12.2022 09.05.2022 50% CD 90% CD 10.11.2022 DSA SUB 10.28.2022

02.21.2023

BACK CHECK

**ELECTRICAL** GENERAL NOTES, SYMBOLS & **ABBREVIATIONS** 

02.21.2023 JOB# 2022012

SHEET#

(SOBE 2201690)

K:\drawings\Aedis\2201690 B300 HVAC Modernization\2201690E0.00.dwg 2/16/2023 3:28 PM George Harbieh

SHT NO. **DESCRIPTION** 

ELECTRICAL DETAILS

Indoor Light	ing														
NRCC-LTI-E (Created 7 CERTIFICATE OF C	12-27-											CAL	IFORNIA EN	ERGY CO	NRCC-LTI-E
This document is prescriptive path.		trate complianc	e with requireme	ents in <u>§110</u>	0.9, §1	10.	12(c), <u>§130.0</u> ,	513	30.1, <u>§140.6</u> , <mark>an</mark>	d <u>§141.0(b)2</u> f	or in	door lig	hting scop	es usi	ng the
	Solano CCD BLD	OG 300					Re	ро	rt Page:						Page 1 of 6
Project Address:	4000 Suisun Va	lley Rd, Fairfield	, CA 94534				Da	ite	Prepared:						10/6/2022
A. GENERAL INF		2													?
01 Project Loca 02 Climate Zone			Fai	rfield			_		nditioned Floor		_			,575	
(Classical Systems of Control of	1	oject (select all t	hat apply):	9					conditioned Flo ies (Habitable A		_		7,	403	
Office		Retail		Warehous	e				∕lotel ✓			7/2	Supp	ort Ar	eas
Parking Ga	rage	High-Rise Res	sidential	Relocatabl	e		Healt	thc	are	Other (write	e in)	:			
B. PROJECT SCO	< Tild	101 - 1											7 17		?
Table Instructions §140.6 or §141.0															
calculation metho	2244		se "Save As".	- T	7.		6 100 1			7		7711662	4141	10	222
	Scope	e of Work					Conditioned 02	Sp	oaces 03			Unco 04	nditioned	Space	es 05
My i	Project Consists	of (check all tha	t apply):		Cal	cula	ation Method		Area (ft	2) (	Calc	ulation N	/lethod		Area (ft <sup>2</sup> )
New Lighting	g System			8										-	
✓ Altered Light	ting System				-	۱rea	a Category		104					-	
									N. S.	**				- 3	
		То	tal Area of Worl	k (ft <sup>2</sup> )			104								
C. COMPLIANCE	RESULTS													e.	2
Table Instructions	s: If any cell on t	ALTONOS DE LA CASA DEL CASA DE LA CASA DEL CASA DE LA C			ALCOHOLD TO A		ith Exceptional	Co			-	M. ONEC 77	377.022		
Lighting in	01	Allowed Light	ting Power per §	140.6(b) (1 04	Watts)	_	05		Adjusted Ligh	ting Power pe 07	§1	1	Watts)	Con	npliance Results 09
conditioned and unconditioned	U1	UZ.	- 52	04		2	03		00	Adjustments					<i>93</i>
spaces must not	Complete	Area Category	Area Category Additional	Tailore				2	Total	PAF Control	٦.	LINKSH MUSAWA	djusted		
be combined for compliance per	Building §140.6(c)1	§140.6(c)2	§140.6(c)2G (+)	§140.6( (+)	C12	-	(Watts)		Designed (Watts)	Credits §140.6(a)2	1.5	- 200	atts) Iudes	0	5 Must be ≥ 08 §140.6
§140.6(b)1.	/5 - T-11-11	/r . + . L L . O	Wil-W/	/C T-1-1	- 101				(C T-1-1 C)	(-)		Adjus	tments		
Conditioned:	(See Table I)	(See Table I) 63.85	(See Table J)	(See Tabl		=	63.85	2	(See Table F) 56	(See Table P	=		56	1	COMPLIES
Unconditioned:		11.00.00.00.00.00.00.00.00.00.00.00.00.0				=	100000	2	***************************************		=				30000
NRCC-LTI-E (Created 7 CERTIFICATE OF C Project Name:		OG 300					Re	po	rt Page:			CAL	FORNIA ENI	LNGT CC	NRCC-LTI-E Page 4 of 6
Project Address:	4000 Suisun Va	lley Rd, Fairfield	, CA 94534				Da	ite	Prepared:						10/6/202
0	1			02					03	04		05			06
Area De	scription		Complete Build	ling or Area	a Categ	gory	/		Allowed Density	Area		owed attage	Addi		Allowances / stment
Alca De.	scription		Primary	Function A	rea				(W/ft <sup>2</sup> )	(ft <sup>2</sup> )		Vatts)	Area Ca	1000	rint/auto//
		illi						- Control	Ü-						*
J. ADDITIONAL	LIGHTING ALL	OWANCE: ARE	A CATEGORY N	METHOD (	QUALI	FYI	NG LIGHTING	S	YSTEM					-	2
This Section Does	Not Apply														
K. TAILORED M This Section Does		AL LIGHTING F	POWER ALLOW	/ANCE										- 5	?
L. ADDITIONAL	AUGUSTO STORY	OWANCE: TAII	ORED WALL D	ISPLAY											?
This Section Does  M. ADDITIONAL	11.1-2	LOWANCE: TA	ILORED FLOOR	AND TAS	K LIGI	нті	NG								?
This Section Does					11000000										
N. ADDITIONAL This Section Does	Control State Control of Control	OWANCE: TAI	LORED ORNAN	MENTAL/S	PECIA	L E	FFECTS								2
O. ADDITIONAL This Section Does		OWANCE: TAI	LORED VERY V	ALUABLE	MERO	CHA	ANDISE								?
P. POWER ADJU		HTING CONTRO	OL CREDIT (PO	WER ADJU	JSTMI	ENT	FACTOR (PA	(F)	)						?
Q. RATED POW		N COMPLIANCE	FOR ALTERAT	TIONS											?
R. 80% LIGHTIN This Section Does	G POWER FOR	ALTERATIONS	s - CONTROLS I	EXCEPTIO	NS										?
Section Does	TO TAKE														
CA Building Energy	Efficiency Standa	rds - 2019 Nonres	idential Compliand	e: http://ww	ww.ene	ergy	.ca.gov/title24/2	201	9standards						July 2019

naoor L IRCC-LTI-E (C	Lighting reated 7/19)							CAL	LIFORNIA ENERGY	COMMIS	SION CON
	TE OF COMP	PLIANCE no CCD BLDG 300				Danast Daga:			ances and second and second		NRCC-LTI
Project Nar Project Ado		Suisun Valley Rd, Fairfie	ld, CA 94534			Report Page: Date Prepared	d:				Page 2 of 10/6/20
					Cont	rols Compliance (S	ee Table H for I	Details)	COMPL	ES	
				Rated I	F301500V	tion Compliance (S			Not Applie	able	
D. EXCEPT	TONAL CO	NDITIONS									
This table i	s auto-filled	with uneditable comme	nts because of s	selections made o	r data entered	d in tables through	out the form.				
Selections	made in Tab	ole U have been changed	by the permit a	applicant. See Tal	ole E. Additior	nal Remarks for pe	rmit applicant's	explanation.			
E. ADDITIO	ONAL REM	ARKS									
This table i	ncludes rem	narks made by the permit	t applicant to th	ne Authority Havin	g Jurisdiction.						
INDOO	DUCUTING	G FIXTURE SCHEDULE									0
		ude all permanent design	ned lighting and	d all portable light	ing in offices.	<u> </u>					
	Nattage: Co	onditioned Spaces	1 00	T 04	86	I 06	1 84	00 [		1	10
01 Name or		02	03 Modular	04 Small Aperture	05 Watts per	06 How Wattage is	07 Total number	08 Exempt per	09	Field	10 Inspecto
Item Tag	Complete	Luminaire Description		& Color Change	luminaire <sup>2</sup>	determined	luminaires	§140.6(a)3	Design Watts	Pass	-
A		HP-4-4FT			28.4	Mfr. Spec <sup>2</sup>	1		28.4		
A1 B	CEI	HP-4-2FT LING MOUNTED			14.2	Mfr. Spec <sup>2</sup> Mfr. Spec <sup>2</sup>	1 1		14.2	-	
31					<u></u>	Total Designe	d Watts CONDIT	IONED SPACES:	56		
This Section	n Does Not .	ING SYSTEMS Apply ency Standards - 2019 Nonr		- 24		title24/2019standard	Water &	used must be the	e maximum rat	ed for t	
This Section  CA Building	n Does Not .	ING SYSTEMS Apply		- 24		UN 5.1 SECTION OF THE PROPERTY	Water &	used must be the	e maximum rat	ed for t	
CA Building STATE OF CALINGOOF L NRCC-LTI-E (C	Energy Efficients	ING SYSTEMS Apply ency Standards - 2019 Nonr		- 24		UN 5.1 SECTION OF THE PROPERTY	Water &		e maximum rat	COMMIS	July 20
CA Building  TATE OF CAL  INCC-LTI-E (CI  CERTIFICAT  Project Nar	Energy Efficients  IFORNIA  Lighting  reated 7/19)  TE OF COMF  me: Solar	PLIANCE	esidential Compl	- 24		ritle24/2019standard	d <u>s</u>			COMMIS	July 20 SION NRCC-LT Page 5 c
This Section  CA Building  TATE OF CAL  INCC-LTI-E (C  CERTIFICAT  Project Nar  Project Add	Energy Efficients  FORNIA  Lighting reated 7/19)  FE OF COMP me: Solar dress: 4000	PLIANCE no CCD BLDG 300 O Suisun Valley Rd, Fairfie	esidential Compl	iance: http://www.		title 24/2019 standard	d <u>s</u>			COMMIS	July 20 SION NRCC-LT Page 5 of 10/6/20
This Section  CA Building  TATE OF CAL  NOOR L  RCC-LTI-E (C)  CERTIFICAT  Project Nar  Project Ado	Energy Efficients  FORNIA  Lighting reated 7/19)  FE OF COMP me: Solar dress: 4000	PLIANCE no CCD BLDG 300 Suisun Valley Rd, Fairfie	esidential Compl	iance: http://www.		ritle24/2019standard	d <u>s</u>			COMMIS	July 20 SION NRCC-LT Page 5 of 10/6/20
CA Building  STATE OF CAL  INCC-LTI-E (C  CERTIFICAT  Project Nar  Project Add  S. DAYLIG  This Section	Energy Efficients  IFORNIA  Lighting reated 7/19)  IE OF COMP me: Solar dress: 4000  HT DESIGN n Does Not a	PLIANCE no CCD BLDG 300 Suisun Valley Rd, Fairfie	esidential Compl eld, CA 94534	iance: http://www.		ritle24/2019standard	d <u>s</u>			COMMIS	July 20 SION NRCC-LT Page 5 C 10/6/20
TATE OF CAL  ROCCELTIFICAT  Project Nar  Project Ado  5. DAYLIG  This Section  T. DECLAR  Table Instru	Energy Efficients  FORNIA  Lighting reated 7/19)  FE OF COMF me: Solar dress: 4000  HT DESIGN n Does Not a  RATION OF  Juctions: Selected ditional Reviews	PLIANCE no CCD BLDG 300 PSuisun Valley Rd, Fairfie N POWER ADJUSTMEN	esidential Compliance eld, CA 94534  IT FACTOR (PA TES OF INSTA based on inform must be provide	iance: http://www.	previous tabl	Report Page: Date Prepared	d:	n needs to be cho	LIFORNIA ENERGY	commis	July 20 SION NRCC-LT Page 5 or 10/6/20
TATE OF CAL  MOOR I  RECC-LTI-E (CO  CERTIFICAT  Project Nar  Project Ado  5. DAYLIG  This Section  To DECLAR  Table Instru-  Table E. Ad	Energy Efficients  FORNIA  Lighting reated 7/19)  FE OF COMF me: Solar dress: 4000  HT DESIGN n Does Not a  RATION OF  Juctions: Selected ditional Reviews	PLIANCE no CCD BLDG 300 Suisun Valley Rd, Fairfie N POWER ADJUSTMEN Apply REQUIRED CERTIFICA ections have been made is marks. These documents	esidential Compliance eld, CA 94534  IT FACTOR (PA TES OF INSTA based on inform must be provide	iance: http://www.	previous tablinspector duri	Report Page: Date Prepared  es of this documenting construction and	d:	n needs to be cho	anged, please e/ww2.energy.c	commis	July 20 SION NRCC-LT Page 5 c 10/6/20
TATE OF CAL  ndoor I  RCC-LTI-E (C  CERTIFICAT  Project Nar  Project Ado  DAYLIG  This Section  C. DECLAR  Table Instru  Table E. Ad  itle24/201  YES	Energy Efficients  IFORNIA  Lighting reated 7/19) TE OF COMP me: Solar dress: 4000  HT DESIGN IN Does Note  RATION OF  Luctions: Select Iditional Rer Petandards  NO	PLIANCE no CCD BLDG 300 Suisun Valley Rd, Fairfie N POWER ADJUSTMEN Apply REQUIRED CERTIFICA ections have been made is marks. These documents /2019 compliance docu	esidential Completeld, CA 94534  IT FACTOR (PATES OF INSTAlbased on information must be provided ments/Nonresided)	AF)  LLATION  nation provided in ded to the building dential Documen	previous tabl	Report Page: Date Prepared  es of this documenting construction and	d:	n needs to be cho	anged, please e/ww2.energy.c	explain a.gov/	July 20 SION NRCC-LT Page 5 c 10/6/20 why in pector Fail
TATE OF CAL  MOOOT L  RECC-LTI-E (C  CERTIFICAT  Project Nar  Project Add  This Section  T. DECLAR  Table Instru- Table E. Add  itle24/201  YES	Energy Efficients  IFORNIA Lighting reated 7/19) TE OF COMF me: Solar dress: 4000  IHT DESIGN IN Does Not and	PLIANCE no CCD BLDG 300 Suisun Valley Rd, Fairfie N POWER ADJUSTMEN Apply  REQUIRED CERTIFICA ections have been made to the term of the te	esidential Completed, CA 94534  IT FACTOR (PATES OF INSTAtions of the provide ments/Nonreside provide ments/Nonreside per submitted for the submitted for the provide ments/Nonreside per submitted for the submit	AF)  LLATION  nation provided in led to the building dential_Documen	previous table inspector durits/NRCI/	Report Page: Date Prepared  es of this documenting construction and	d: d: d: d: d: d: d: d: d:	n needs to be che online at <u>https://</u>	anged, please e/ww2.energy.c	explain a.gov/	July 20 SION NRCC-LT Page 5 or 10/6/20 why in pector Fail
TATE OF CAL  ndoor I  RCC-LTI-E (C  CERTIFICAT  Project Nar  Project Ado  DAYLIG  This Section  C. DECLAR  Table Instru  Table E. Ad  itle24/201  YES	Energy Efficients  IFORNIA  Lighting reated 7/19) TE OF COMP me: Solar dress: 4000  HT DESIGN IN Does Note  RATION OF  Luctions: Select Iditional Rer Petandards  NO	PLIANCE no CCD BLDG 300 Suisun Valley Rd, Fairfie N POWER ADJUSTMEN Apply  REQUIRED CERTIFICA ections have been made it marks. These documents /2019 compliance docu  NRCI-LTI-01-E - Must b recognized for complia	esidential Complication  Id, CA 94534  IT FACTOR (PA  TES OF INSTA  based on inform must be provide ments/Nonresid  pe submitted for ance.	LLATION  nation provided in dential Documen  or all buildings  or a lighting control	previous table inspector dure ts/NRCI/ Form/Title	Report Page: Date Prepared  es of this documenting construction and energy Mana	d: d: d: d: d: d: d: d: d: d: d: d: d: d	n needs to be cho online at https://	anged, please e/ww2.energy.c	explain a.gov/	July 20 SION NRCC-LT Page 5 c 10/6/20 why in pector Fail
TATE OF CAL  MOOOT L  PROCECTIFICAT  Project Nar  Project Add  This Section  T. DECLAR  Table Instru- Table E. Add  itle24/201  YES	Energy Efficients  IFORNIA Lighting reated 7/19) TE OF COMF me: Solar dress: 4000  IHT DESIGN IN Does Not and	PLIANCE no CCD BLDG 300 Suisun Valley Rd, Fairfie N POWER ADJUSTMEN Apply  REQUIRED CERTIFICA ections have been made to marks. These documents /2019 compliance docu  NRCI-LTI-01-E - Must book NRCI-LTI-02-E - Must book NRCI-LTI	esidential Compliance submitted for ance.	LLATION  nation provided in dential Documen  or all buildings or a lighting control or two interlocked	previous table inspector durits/NRCI/ Form/Title	Report Page: Date Prepared  es of this document ing construction and an auditorium,	d: d: d: d: d: d: d: d: d: d: d: d: d: d	n needs to be cho online at https://	anged, please ed/ww2.energy.c	explain a.gov/	July 20 SION NRCC-LT Page 5 co 10/6/20 why in pector Fail
TATE OF CAL  INCOMPLETE (CO  CERTIFICAT  Project Nar  Project Add  Co	Energy Efficients  IFORNIA  Lighting reated 7/19) TE OF COMP me: Solar dress: 4000  HT DESIGN n Does Not a  RATION OF  uctions: Select ditional Rer getandards  NO	PLIANCE no CCD BLDG 300 Suisun Valley Rd, Fairfie N POWER ADJUSTMEN Apply  REQUIRED CERTIFICA ections have been made is marks. These documents /2019 compliance docu  NRCI-LTI-01-E - Must b recognized for complia NRCI-LTI-04-E - Must b room, a multipurpose NRCI-LTI-05-E - Must b	esidential Compliance Submitted for ance.  De submitted for ance.	LLATION  nation provided in dential Documen  or all buildings  or a lighting control  or two interlocked atter to be recognium a Power Adjustr	previous table inspector dure ts/NRCI/ Form/Title system, or for systems serviced for complement Factor (P	Report Page: Date Prepared  es of this document ing construction and and an auditorium, iance. PAF) to be recognize	d:	n needs to be choonline at https://	anged, please e/ww2.energy.c	explain a.gov/	July 20 SION NRCC-LT Page 5 or 10/6/20 why in pector Fail
This Section  CA Building  TATE OF CAL  INCC-LTI-E (C  CERTIFICAT  Project Nar  Project Add  This Section  T. DECLAR  Table Instru  Table E. Add  ittle24/201  YES	Energy Efficients  IFORNIA  Lighting reated 7/19) TE OF COMF me: Solar dress: 4000  HT DESIGN In Does Not a  RATION OF Juctions: Selectional Rere Postandards  NO    NO	PLIANCE TO CCD BLDG 300 Suisun Valley Rd, Fairfie N POWER ADJUSTMEN Apply  REQUIRED CERTIFICA Sections have been made to the marks. These documents /2019 compliance documents /2019 compliance documents NRCI-LTI-01-E - Must be recognized for compliance of the compl	esidential Compliance Submitted for ance.  De submitted for ance.	LLATION  nation provided in dential Documen  or all buildings  or a lighting control  or two interlocked atter to be recognium a Power Adjustr	previous table inspector dure ts/NRCI/ Form/Title system, or for systems serviced for complement Factor (P	Report Page: Date Prepared  es of this document ing construction and and an auditorium, iance. PAF) to be recognize	d:	n needs to be choonline at https://	anged, please e/ww2.energy.c	explain a gov/	July 20 SION NRCC-LT Page 5 o 10/6/20 why in  pector Fail
TATE OF CAL  INCOLUTI-E (CI CERTIFICAT  Project Nar  Project Add  S. DAYLIG  This Section  T. DECLAR  Table Instruct  Table E. Add  ittle24/201  YES  C	Energy Efficients  IFORNIA Lighting reated 7/19) TE OF COMF me: Solar dress: 4000  HT DESIGN n Does Not a  RATION OF Luctions: Sele Liditional Rer Setandards NO	PLIANCE no CCD BLDG 300 Suisun Valley Rd, Fairfie N POWER ADJUSTMEN Apply  REQUIRED CERTIFICA ections have been made is marks. These documents /2019 compliance docu  NRCI-LTI-01-E - Must b recognized for complia NRCI-LTI-04-E - Must b room, a multipurpose NRCI-LTI-05-E - Must b compliance.	esidential Compliance Submitted for submitted for room, or a their persubmitted for persubmitted for room, or a their persuaments.	LLATION  nation provided in ded to the building dential Documen  or all buildings or a lighting control or two interlocked atter to be recognion a Power Adjustral additional watta	previous table inspector dure ts/NRCI/ Form/Title system, or for systems serviced for complement Factor (P	Report Page: Date Prepared  es of this document ing construction and and an auditorium, iance. PAF) to be recognize	d:	n needs to be choonline at https://	anged, please e/ww2.energy.c	explain a.gov/	July 20 SION NRCC-LT Page 5 or 10/6/20 why in
TATE OF CAL  INCOLUTIVE (CO CERTIFICAT  Project Nar  Project Add  This Section  T. DECLAR  Table Instruct  Table E. Add  Table Instruct  Table	Energy Efficients  IFORNIA  Lighting reated 7/19) TE OF COMF me: Solar dress: 4000  IHT DESIGN IN Does Not and Does Not an	PLIANCE no CCD BLDG 300 Suisun Valley Rd, Fairfie N POWER ADJUSTMEN Apply  REQUIRED CERTIFICA ections have been made is marks. These documents /2019 compliance docu  NRCI-LTI-01-E - Must be recognized for complia NRCI-LTI-04-E - Must be room, a multipurpose NRCI-LTI-05-E - Must be compliance.  REQUIRED CERTIFICA ections have been made is nacks. These documents  RCI-LTI-06-E - Must be compliance.	residential Compliance of the submitted for the	LLATION  nation provided in led to the building dential Document or all buildings or a lighting control or two interlocked atter to be recognism a Power Adjustral or additional wattan provided in led to the building led to the building	previous table inspector dure ts/NRCI/ Form/Title system, or for systems serviced for complement Factor (Page installed in previous table inspector dure tab	Report Page: Date Prepared  Pes of this document ing construction and and an auditorium, iance. PAF) to be recognized a video conference ing construction and a video conference and a	d:	System (EMCS), nter, a conference. recognized for	anged, please e/ww2.energy.c	explain a gov/	July 20 SION NRCC-LT Page 5 or 10/6/20  why in
TATE OF CAL  INCOMPLETE (CONTROL OF CAL  Project Nar  Project Add  This Section  This Section  This Section  This Section  The Control of Cal  This Section  The Control of Cal  The Contr	Energy Efficients  IFORNIA  Lighting reated 7/19) TE OF COMF me: Solar dress: 4000  IHT DESIGN IN Does Not and Does Not an	PLIANCE TO CCD BLDG 300 PSuisun Valley Rd, Fairfie POWER ADJUSTMEN POWER ADJUS	residential Compliance of the submitted for the	LLATION  nation provided in led to the building dential Document or all buildings or a lighting control or two interlocked atter to be recognism a Power Adjustral or additional wattan provided in led to the building led to the building	previous table inspector dure ts/NRCI/ Form/Title system, or for systems serviced for complement Factor (Page installed in previous table inspector dure tab	Report Page: Date Prepared  Tes of this documenting construction and an auditorium, iance.  PAF) to be recognized a video conference of this documenting construction and a video conference of this documenting construction and the conference of the conferen	d:	System (EMCS), nter, a conference. recognized for	anged, please e /ww2.energy.c	explain a gov/	July 20  SION NRCC-LT Page 5 or 10/6/20  why in  why in  why in  why in  through
TATE OF CAL  INCOMPLICATION  TATE OF CAL  INCOMPLICATION  Project Nar  Project Add  This Section  Th	Energy Efficients  IFORNIA  Lighting  reated 7/19)  TE OF COMF  me: Solar  dress: 4000  IHT DESIGN  In Does Not a  RATION OF  uctions: Sele  diditional Rer  9standards  NO  RATION OF  uctions: Sele  diditional Rer  e Test Techn  NO	PLIANCE no CCD BLDG 300 Suisun Valley Rd, Fairfie N POWER ADJUSTMEN Apply  REQUIRED CERTIFICA ections have been made is marks. These documents /2019 compliance docu  NRCI-LTI-01-E - Must be recognized for complia NRCI-LTI-04-E - Must be room, a multipurpose NRCI-LTI-05-E - Must be compliance.  REQUIRED CERTIFICA ections have been made is marks. These documents incident Certification Provide	residential Compliance of the submitted for the	LLATION  nation provided in led to the building dential Document or all buildings or a lighting control or two interlocked atter to be recognism a Power Adjustral or additional wattan provided in led to the building or more information more information	previous table inspector dure ts/NRCI/ Form/Title system, or for systems serviced for complement Factor (Page installed in previous table inspector dure visit: http://s	Report Page: Date Prepared  Pes of this document ing construction and and an auditorium, iance. PAF) to be recognized a video conference ing construction and a video conference and a	d:	System (EMCS), nter, a conference. recognized for	anged, please e /ww2.energy.c	explain a gov/ sield Ins sss	July 20  SION NRCC-LT Page 5 or 10/6/20  why in pector Fail  why in through of through of through of the pector Fail
TATE OF CAL  ndoor I  RCC-LTI-E (C  CERTIFICAT  Project Nar  Project Nar  Project Nar  Project Add  This Section  Table Instruct  Table E. Add  itle24/201  YES  O  J. DECLAR  Table Instruct	Energy Efficients IFORNIA Lighting reated 7/19) TE OF COMF me: Solar dress: 4000 HT DESIGN n Does Not and the solar dress in th	PLIANCE no CCD BLDG 300 Suisun Valley Rd, Fairfie N POWER ADJUSTMEN Apply  REQUIRED CERTIFICA ections have been made is marks. These documents /2019 compliance docu  NRCI-LTI-01-E - Must be recognized for complia NRCI-LTI-04-E - Must be room, a multipurpose NRCI-LTI-05-E - Must be compliance.  REQUIRED CERTIFICA ections have been made is nacks. These documents  RCI-LTI-06-E - Must be compliance.	esidential Compliance Submitted for submitted for room, or a the submitted for submitted for submitted for submitted for submitted for room, or a the submitted for submitted for room, or a the submitted for submi	LLATION  nation provided in led to the buildings or a lighting control or two interlocked atter to be recognion a Power Adjustra additional watta or additional watta or additional watta or and the building or more information or occupancy sense.	previous table inspector durits/NRCI/  Form/Title Il system, or for systems serving the serving to the system of t	Report Page: Date Prepared  Pes of this document ing construction and and an auditorium, iance. PAF) to be recognized a video conference ing construction and a video conference and a	d:	System (EMCS), nter, a conference. recognized for	anged, please e /ww2.energy.c	explain a gov/	July 20 SION NRCC-LT Page 5 or 10/6/20  why in  pector  Fail

NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).
 NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <a href="http://www.energy.ca.gov/title24/2019standards">http://www.energy.ca.gov/title24/2019standards</a>

CERTIFICATE OF COMP	PLIANCE					271111			NRCC-LT
Project Name: Solar	no CCD BLDG 300			Report Page:					Page 3 o
Project Address: 4000	Suisun Valley Rd, Fairfield, CA 94534			Date Prepared:					10/6/20
I INDOOR LICHTIN	G CONTROLS (Not Including PAFs)								6
		and and make dist		istabla Mbanan	aatiaa badaa a	* :	b= ==t== ===	tion of t	nia kabia
	ase include lighting controls for condition to lighting controls section of the Compl								iis table
Building Level Control				-9		4			
	01				02		7	- ()	03
	Mandatory Demand Response			Shut-O	ff Controls		1	Field I	rspector
	§110.12(c)			<u>§13</u>	30.1(c)		Ī	Pass	Fail
	Not Required - Installing as PAF			See Area/Spa	ce Level Control	s			
Area Level Controls									**
04	05	06	07	08	09	10	11		12
VICE SETS INSCRIPTION FOR THE	Complete Building or Area Category	Area Controls	Multi-Level	Shut-Off	Primary/Skylit	Secondary	Interlock	1 1100	Inspecto
Area Description	Primary Function Area	§130.1(a)	Controls	Controls	Daylighting §130.1(d)	Daylighting §140.6(d)	Systems		
	T	M	§130.1(b)	§130.1(c)	9130.1(0)	9140.6(0)	§140.6(a	1 Pass	Fail
RESTROOM	Restroom	Manual ON/ OFF	Dimmer	Occ. Sensor	NA	NA			
STORAGE	All Other Space Types	Manual ON/ OFF	Dimmer	Occ. Sensor	NA	NA			
NOTES: Controls with	a * require a note in the space below e	xplaining how con	npliance is achiev	/ed.			13		
	ary/Skylight Daylighting: Exempt becau	se less than 120 w	atts of general li	ghting;	PI	an Sheet Show	wing Daylit 2	ones:	
EXCEPTION 1 to §130.1	I(d)2								
LICUTING DOWER	ALLOWANCE, COMPLETE BUILDING	OD ADEA CATE	CODY METHOD	×c					6
	ALLOWANCE: COMPLETE BUILDING  nplete the table for each area complying				nds nor 5140 6/h	Indicate if a	edditional lic	hting no	war
	(c) or adjustments per §140.6(a) are be		te bununing of Ar	eu category Metric	ous per 9140.0(b)	į, marcate ij t	idaitional ng	nang po	WEI
Conditioned Spaces									
01		02		03	04	05		06	
	Complete B	uilding or Area Cat	toron/	Allowed	Area	Allowed		nal Allow	
Area Descript	inn I	ary Function Area	legory	Density	(ft <sup>2</sup> )	Wattage	A	djustmer	nt
				(W/ft <sup>2</sup> )	11.57	(Watts)	Area Categ	ory	PAF
		Restroom		0.65	89	57.85			
RESTROOM	All C	ther Space Types		0.4	15	6			
RESTROON STORAGE	All C	and the second of the second		TOTA	L: 104	63.85	See Table		



STATE OF CALIFORNIA

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <a href="http://www.energy.ca.gov/title24/2019standards">http://www.energy.ca.gov/title24/2019standards</a>
July 2019

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP: 02-120607 INC:

REVIEWED FOR

SS FLS ACS D

DATE: 02/17/2023

# aedis

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

Solano CCD BLDG 300
Modernization



SOLANO COMMUNITY
COLLEGE DISTRICT

ONSULTANT



SALASO'BRIEN

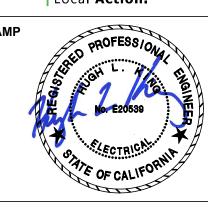
| expect a difference |

305 South 11th Street
San Jose, California 95112-2218

877.725.2755 | 877.925.1477 (f)

WWW.SALASOBRIEN.COM

| National Strength.
| Local Action.



 STATE
 48-C1

 DSA FILE NUMBER
 48-C1

 APPL #
 02-120607

REVISIONS

No. Description

MILESTONES

DD 08.12.2022 50% CD 09.05.2022 90% CD 10.11.2022 DSA SUB 10.28.2022

06.17.2022

02.21.2023

\_\_\_\_

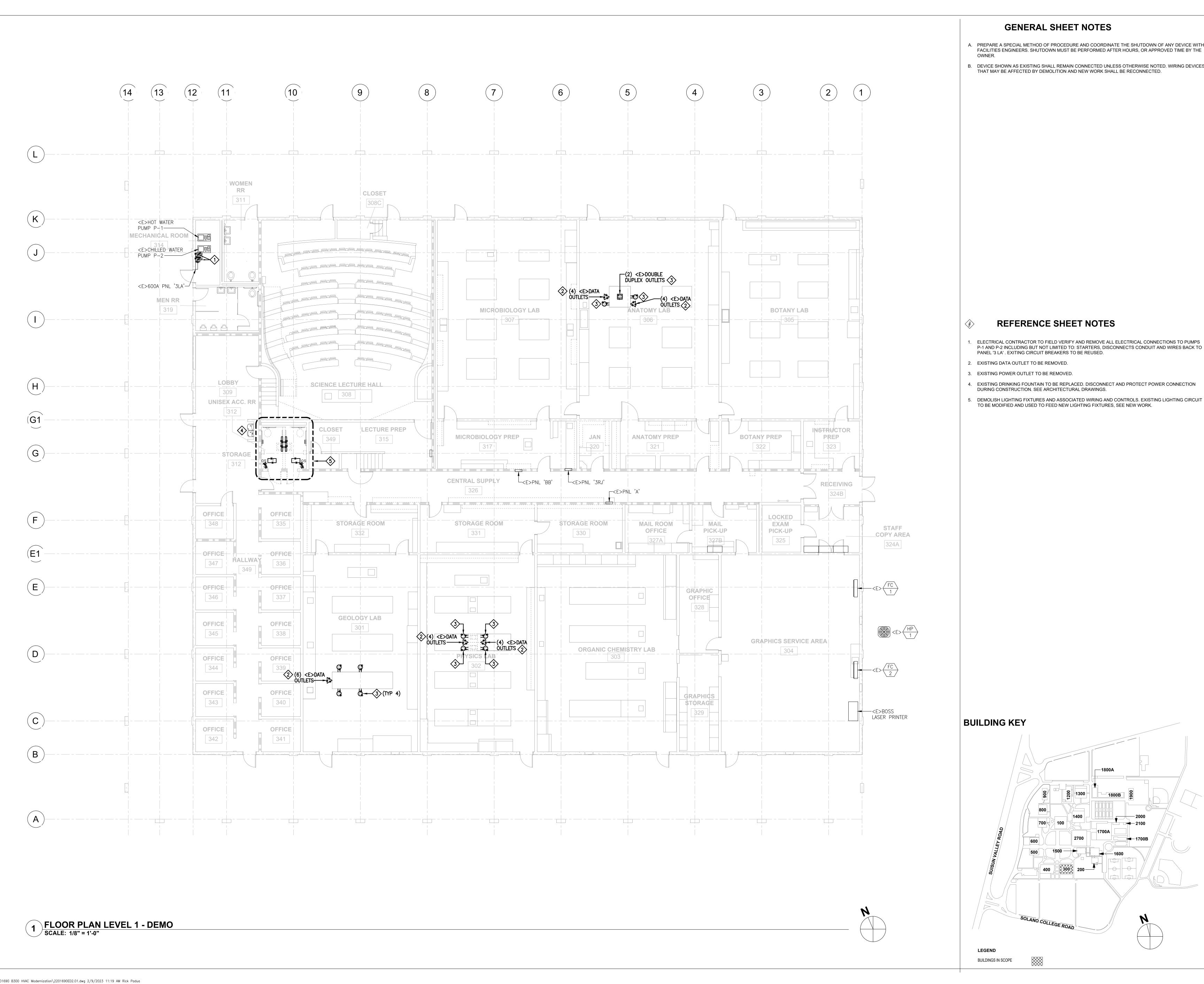
BACK CHECK

ELECTRICAL
TITLE 24

DATE 02.21.2023

Joв# 2022012 (SOBE 2201690)

E0.01



- A. PREPARE A SPECIAL METHOD OF PROCEDURE AND COORDINATE THE SHUTDOWN OF ANY DEVICE WITH FACILITIES ENGINEERS. SHUTDOWN MUST BE PERFORMED AFTER HOURS, OR APPROVED TIME BY THE
- B. DEVICE SHOWN AS EXISTING SHALL REMAIN CONNECTED UNLESS OTHERWISE NOTED. WIRING DEVICES

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 02/17/2023



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

Solano CCD BLDG 300 Modernization



# SOLANO COMMUNITY COLLEGE DISTRICT

CONSULTANT

ELECTRICAL CONTRACTOR TO FIELD VERIFY AND REMOVE ALL ELECTRICAL CONNECTIONS TO PUMPS P-1 AND P-2 INCLUDING BUT NOT LIMITED TO: STARTERS, DISCONNECTS CONDUIT AND WIRES BACK TO

- 4. EXISTING DRINKING FOUNTAIN TO BE REPLACED. DISCONNECT AND PROTECT POWER CONNECTION
- TO BE MODIFIED AND USED TO FEED NEW LIGHTING FIXTURES, SEE NEW WORK.



**SALASO'BRIEN** expect a difference National Strength.



DSA FILE NUMBER

06.17.2022

08.12.2022

09.05.2022

10.11.2022

10.28.2022

02.21.2023

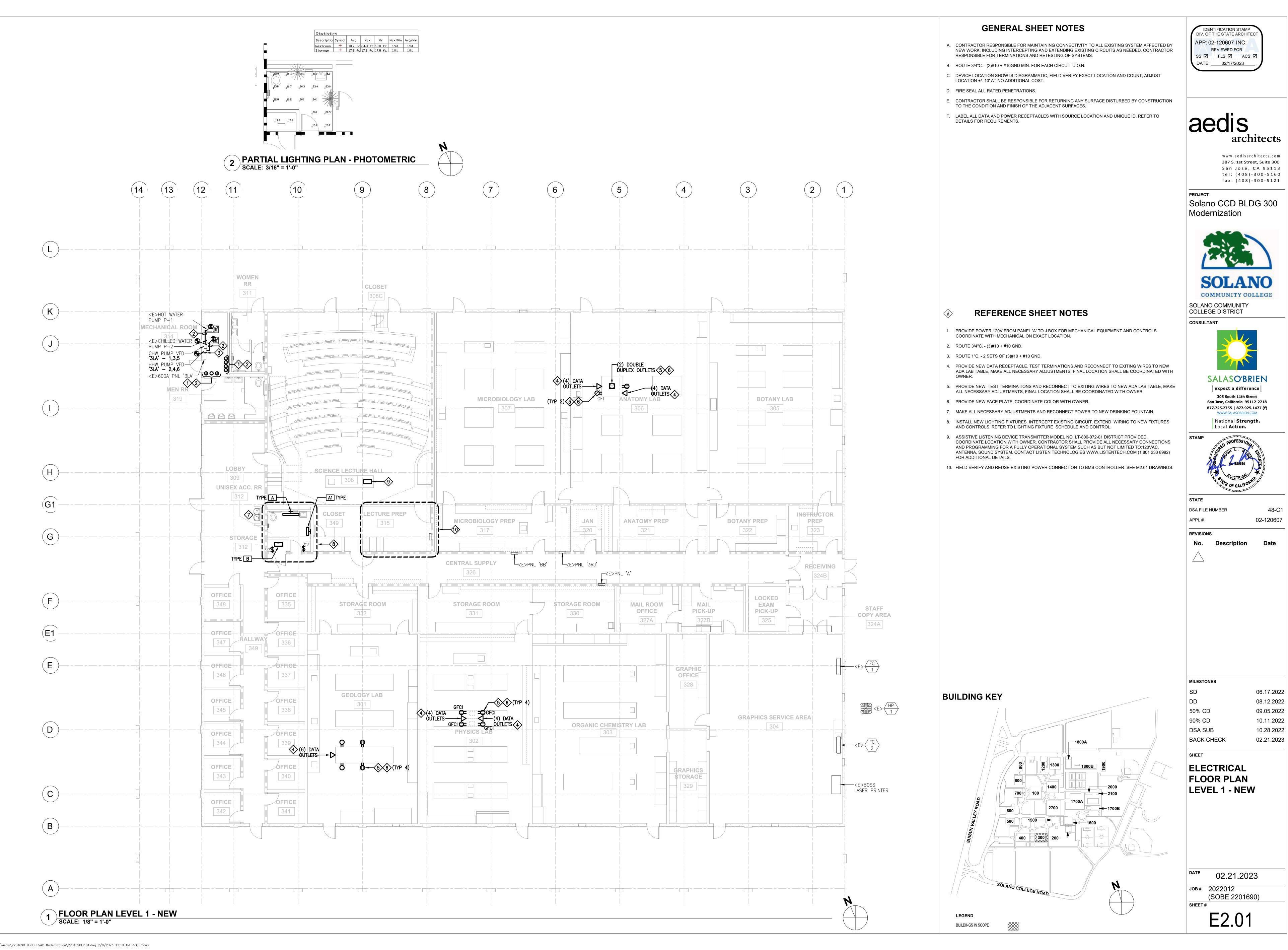
90% CD BACK CHECK

**ELECTRICAL FLOOR PLAN** LEVEL 1 - DEMO

02.21.2023

JOB# 2022012 (SOBE 2201690)

ED2.01

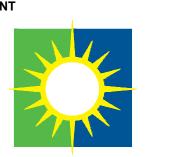


architects

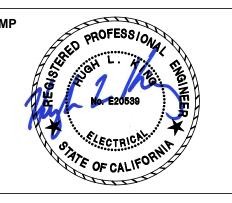
387 S. 1st Street, Suite 300 San Jose, CA 95113 tel: (408)-300-5160 fax: (408)-300-5121

Solano CCD BLDG 300



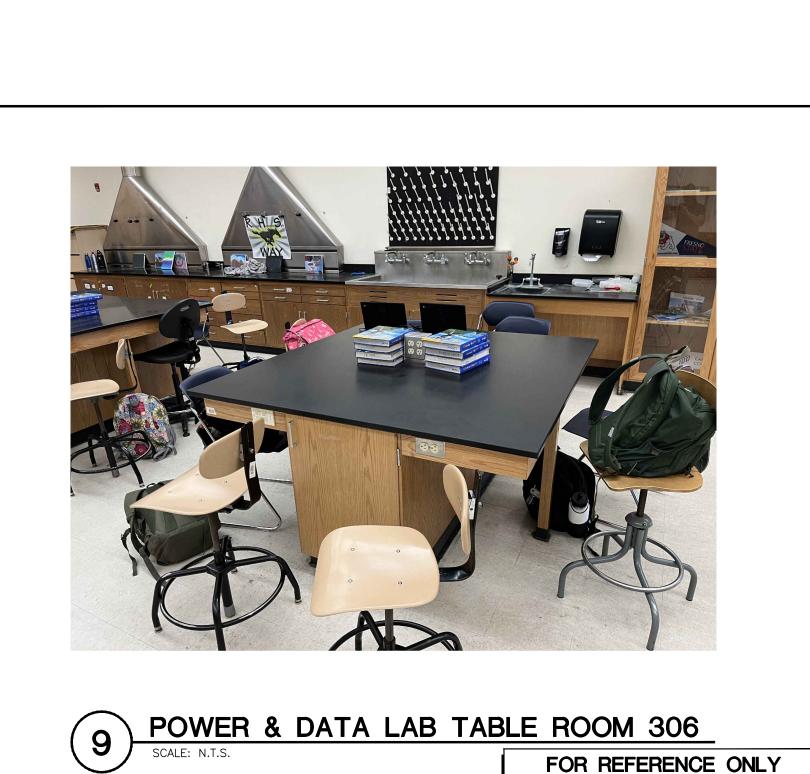


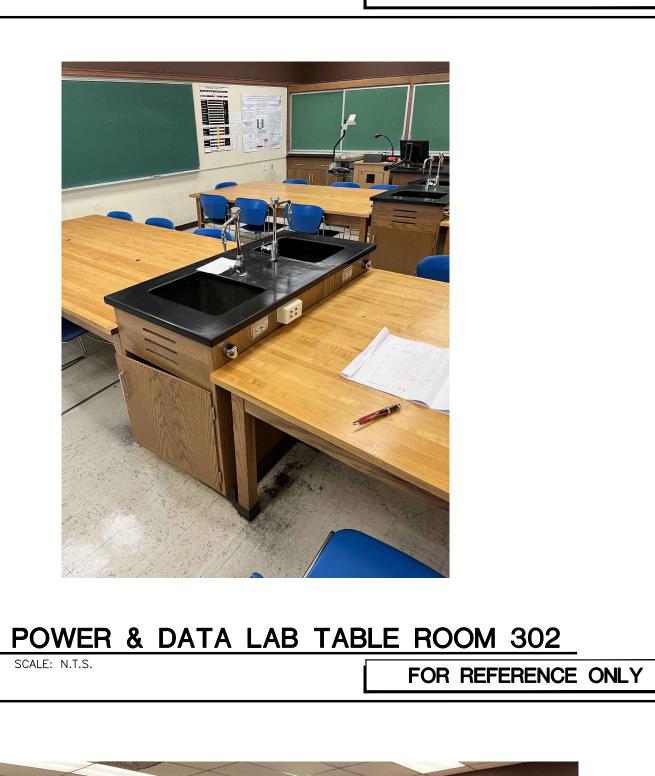
**SALASO'BRIEN** expect a difference San Jose, California 95112-2218 877.725.2755 | 877.925.1477 (f)

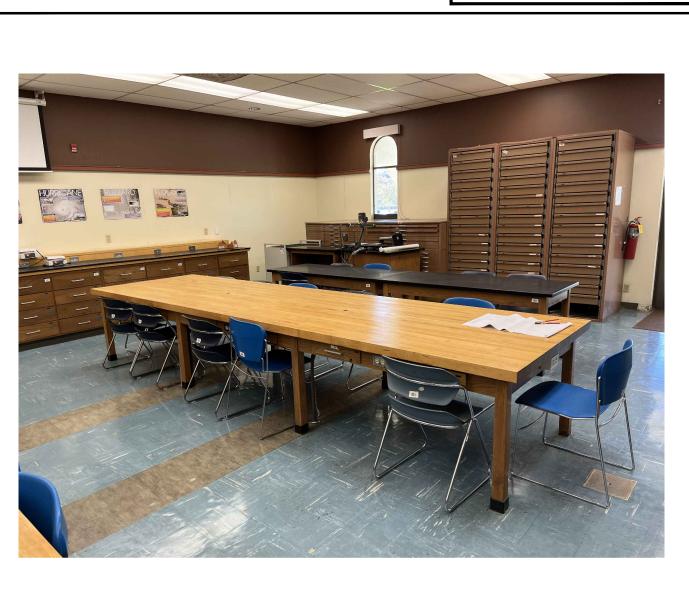


02-120607

06.17.2022 08.12.2022 09.05.2022 10.11.2022

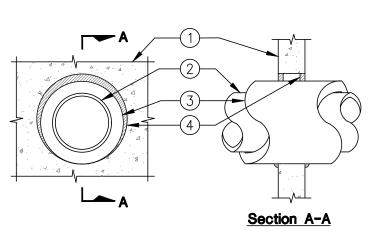






POWER & DATA LAB TABLE ROOM 301

SCALE: N.T.S. FOR REFERENCE ONLY



#### System No. W-J-5031 F Rating - 1, 2, 3 & 4 Hr (See Item 1) T Rating - 1, 2 & 3 Hr

(1) Wall Assembly — Min 4—7/8, 6—1/8, 7—3/8 or 8—5/8 in. thick lightweight or normal weight (100—150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max diam of opening is 17-3/4 in.

See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

(2) Through Penetrants — One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be A. Steel Pipe — Nom 12 in. diam (or smaller) Schedule ST 40 (or heavier) steel pipe. B. Iron Pipe — Nom 12 in. diam (or smaller) cast or ductile iron pipe. C. Conduit — Nom 4 in. diam (or smaller) steel electrical metallic tubing. D. Conduit - Nom 6 in. diam (or smaller) steel conduit. E. Copper Tubing - Nom 6 in. diam (or smaller) Type L (or heavier) F. Copper Pipe — Nom 6 in. diam (or smaller) Regular (or heavier) copper

(3) Pipe Covering\* — Max 2 in. thick hollow cylindrical heavy density (min 3.5 pcf) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory—applied self—sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. The annular space between the insulated pipe and the edge of the through opening shall be min 0 in.

When penetrants larger than 6 in. are used, wall assembly shall not be

See Pipe and Equipment Covering — Materials (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

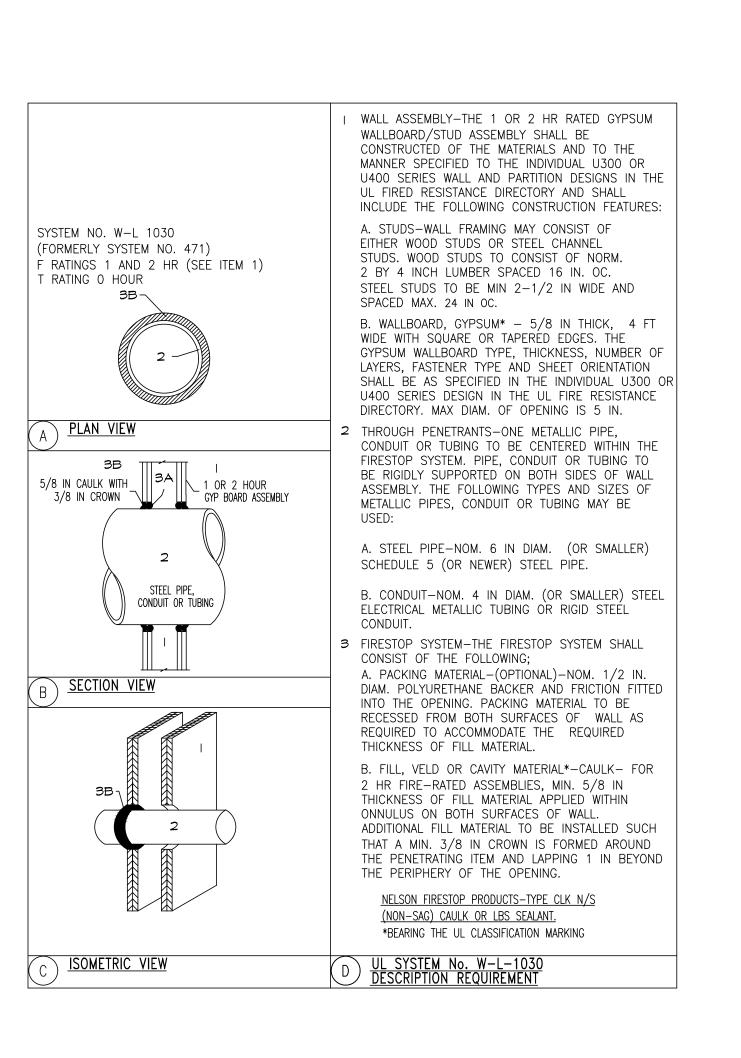
(4) Fill, Void or Cavity Material\* - Sealant - Min 5/8 in. thickness of fill material for 1 hr rated wall assemblies and 1 in. thickness of fill material for 2, 3 or 4 hr rated wall assemblies, respectively, applied within the annulus, flush with both surfaces of wall. At the point contact location between pipe covering and wall, a min. 1/2 in. diam bead of fill material shall be applied at the concrete/pipe covering interface on both surfaces of wall. Passive Fire Protection Partners\*\* - 4800DW

\* Bearing the UL Classification Marking \*\* Formerly Firestop Systems Inc.

more than 2 hour fire rated.

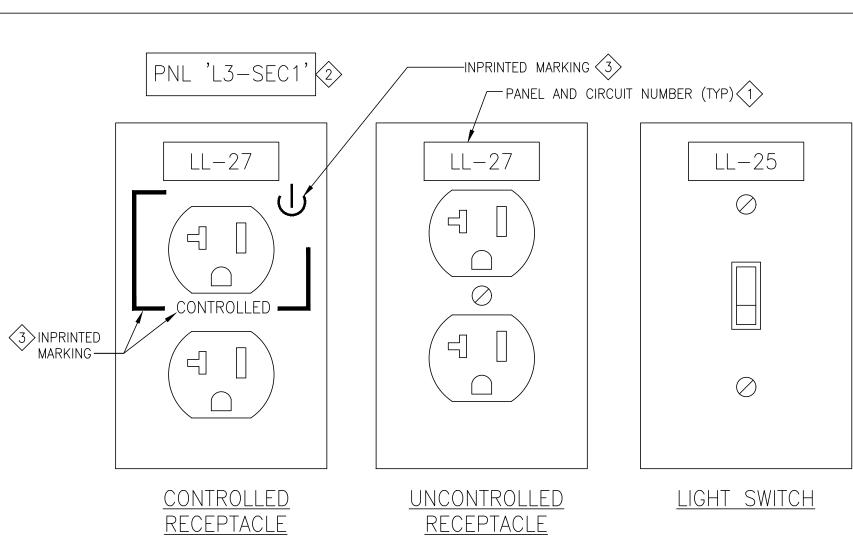
(point contact) to max 1 in.





UL THROUGH PENETRATION FIRESTOP SYSTEM W-L1030 CONDUIT THROUGH GYPSUM WALLBOARD F=1-2, T=0

SCALE: N.T.S.



LABEL ALL DEVICES AND J-BOXES USING MACHINE CLEAR TAPE WITH BLACK (2) LABEL ALL ELECTRICAL EQUIPMENT, AS SHOWN ON FLOOR PLAN, WITH

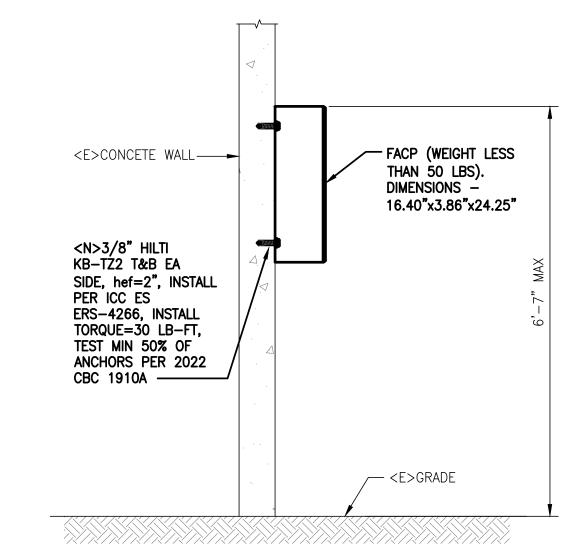
(3) CONTROLLED RECEPTACLE WITH INPRINTED MARKING DIRECTLY ON RECEPTACLE LEVITON BRAND, OR APPROVED EQUAL.

PERMANENT BLACK BAKELITE LABELS WITH WHITE LETTERS.

DEVICE LABELING

— STAINLESS STEEL BOLTS AND NUTS WITH 3-1/2" WATERPROOF WASHER AC-X ETCHED LETTERS -► 120/208V, 3PH, 4W / FED FROM PNL XXX CKT #XXX — BLACK BAKELITE BACKGROUND WITH WHITE LETTERS

ELECTRICAL EQUIPMENT LABELING



TYPICAL FACP SUPPORT

**MILESTONES** 50% CD

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC

REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

architects

www.aedisarchitects.com

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

tel: (408)-300-5160

fax: (408)-300-5121

Solano CCD BLDG 300

SOLANO

COMMUNITY COLLEGE

**SALASO'BRIEN** 

expect a difference

305 South 11th Street San Jose, California 95112-2218

877.725.2755 | 877.925.1477 (f)

WWW.SALASOBRIEN.COM

National Strength. Local **Action.** 

Description

48-C1

02-120607

06.17.2022

08.12.2022

09.05.2022

10.11.2022

10.28.2022

02.21.2023

SOLANO COMMUNITY

COLLEGE DISTRICT

CONSULTANT

STATE

APPL#

REVISIONS

DSA FILE NUMBER

APP: 02-120607 INC:

DATE: 02/17/2023

PROJECT

Modernization

90% CD DSA SUB BACK CHECK

> **ELECTRICAL DETAILS**

02.21.2023

JOB# 2022012 (SOBE 2201690)

E5.01

K:\drawings\Aedis\2201690 B300 HVAC Modernization\2201690E5.01.dwg 2/9/2023 11:19 AM Rick Padua

1. CONTRACTOR IS RESPONSIBLE TO OBTAIN A COMPLETE SET OF CONTRACT DOCUMENTS, ADDENDA, DRAWINGS, AND SPECIFICATIONS, PRIOR TO SUBMITTING PROPOSAL, CONTRACTOR SHALL EXAMINE ARCHITECTURAL, STRUCTURAL AND MECHANICAL CONSTRUCTION DRAWINGS AND SPECIFICATIONS AND SHALL HAVE VISITED THE CONSTRUCTION SITE. HE/SHE SHALL BE FAMILIAR WITH THE EXISTING CONDITIONS UNDER WHICH HE/SHE WILL HAVE TO OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN THIS CONNECTION IN BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS/HER PART. DETERMINE THE SEQUENCE OF CONSTRUCTION THROUGHOUT THE PROJECT, INCLUDING TEMPORARY FACILITIES AND CONNECTIONS REQUIRED FOR THE DURATION OF THE PROJECT.

2. ALL TEMPORARY CONNECTIONS SHALL BE CONSIDERED PART OF THIS CONTRACT AND NO EXTRA CHARGES WILL BE ALLOWED. THIS SHALL INCLUDE MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY, PERSONAL, AND PROPERTY DAMAGE, TO FULLY PROTECT THE OWNER, ARCHITECT, AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FROM THIS WORK.

4. THE CONTRACTOR SHALL PROVIDE TO THE ARCHITECT A CONSTRUCTION SCHEDULE OF ALL ELECTRICAL WORK. THE CONSTRUCTION SCHEDULE SHALL IDENTIFY ALL SIGNIFICANT MILESTONES WITH COMPLETION DATES.

5. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS AT THE PROJECT SITE INDICATING ALL MODIFICATIONS TO ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL, AT THE CONCLUSION OF THE PROJECT, PROVIDE A SET OF REPRODUCIBLE (AUTOCAD), ACCURATE AND NEAT "AS-BUILT" DRAWINGS ACCEPTABLE TO THE ARCHITECT.

6. THESE DRAWINGS DO NOT REPRESENT THE EXACT LOCATIONS, SIZES OR EXTENT OF UTILITIES ON SITE. CONTRACTOR SHALL TAKE STANDARD PRECAUTIONS FOR WORK IN EXISTING FACILITIES.

7. EXISTING ELECTRICAL WIRING WHICH WILL NOT BE MADE OBSOLETE AND WHICH WILL BE DISTURBED DUE TO CONSTRUCTION CHANGES REQUIRED BY THIS CONTRACT SHALL BE RESTORED TO OPERATING CONDITION, AS REQUIRED AND/OR DIRECTED. WHERE REQUIRED, SHOWN AND/OR DIRECTED, OUTLETS AND CONDUIT RUNS SHALL BE RELOCATED. IN SOME CASES IT MAY BE NECESSARY TO EXTEND CONDUITS AND PULL IN NEW WIRING OR INSTALL JUNCTION BOXES AND SPLICE IN NEW WIRING OR REPLACE OLD WIRING WITH NEW.

8. CERTAIN REMODELING OF ELECTRICAL FACILITIES WILL BE REQUIRED IN THE EXISTING BUILDING. EXISTING CONDUIT RUNS ARE GENERALLY NOT SHOWN, ALTHOUGH A FULL ATTEMPT HAS BEEN MADE TO SHOW SOME EXISTING CONDITIONS, OF WHICH INFORMATION HAS BEEN TAKEN FROM EXISTING RECORD DRAWINGS AND/OR LIMITED FIELD INVESTIGATIONS. THE DRAWINGS SHOWING LOCATION OF EXISTING EQUIPMENT, OUTLETS, FIXTURES, ETC., ARE APPROXIMATE ONLY (CONTRACTOR TO FIELD VERIFY).

9. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BE LISTED AND LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY AND SHALL BE INSTALLED AS PER LISTING OR LABELING (IE. MAXIMUM FUSE SIZE MEANS FUSE PROTECTION IS REQUIRED).

10. ALL ELECTRICAL EQUIPMENT AND INSTALLATION SHALL COMPLY WITH THE FOLLOWING

REQUIREMENTS: a. AMERICAN STANDARD ASSOCIATION (ASA)

b. AMERICAN NATIONAL STANDARD INSTITUTE (ANSI)

c. AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) d. CALIFORNIA CODE OF REGULATIONS TITLE 24 (CCR)

e. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE)

f. INSULATED POWER CABLE ENGINEERS ASSOCIATIONS (IPCEA) q. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATIONS (NEMA)

h. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) i. ALL LOCAL CODE HAVING JURISDICTION

11. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, INSPECTIONS AND INCIDENTAL COSTS NECESSARY FOR EXECUTION AND COMPLETION OF ELECTRICAL WORK, INCLUDING ALL CHARGES BY STATE, COUNTY AND LOCAL GOVERNMENTAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR THE ELECTRICAL UTILITY SYSTEM SHUT-DOWNS AND START-UP. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION REQUIRED WITH OTHER AGENCIES AND UTILITY COMPANIES.

12. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CROSSINGS ON NEW UTILITIES WITH THAT OF EXISTING ON SITE AND IN ADJACENT PROPERTIES. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DEVIATIONS OR DISCREPANCIES FROM THIS PLAN.

13. CONTRACTOR SHALL COORDINATE HIS/HER WORK WITH OTHER TRADE ON SITE. ANY COST TO PERFORM WORK TO ACCOMPLISH SAID COORDINATION WHICH DIFFERS FROM THE WORK AS SHOWN ON THE DRAWINGS SHALL BE INCURRED BY THE CONTRACTOR. ANY DISCREPANCIES, AMBIGUITIES OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT DURING BID TIME FOR CLARIFICATIONS. ANY SUCH CONFLICTS NOT CLARIFIED PRIOR TO BID SHALL BE SUBJECT TO THE INTERPRETATION OF THE ARCHITECT/ENGINEER AT NO ADDITIONAL COST TO THE OWNER.

14. COORDINATE WITH OTHER TRADES AS TO THE EXACT LOCATION OF THEIR RESPECTIVE EQUIPMENT. PROVIDE POWER AND CONNECTION TO MOTORS AND EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS AS INDICATED ON ELECTRICAL DRAWINGS AND DRAWINGS OF OTHER TRADES. CONTRACTOR SHALL REVIEW DRAWINGS OF OTHER TRADES FOR CONTROL DIAGRAMS, SIZE AND LOCATION OF EQUIPMENT. DISCONNECT SWITCHES, STARTERS, AND CONDUITS FOR CONTROL WIRING FOR MECHANICAL AND PLUMBING EQUIPMENT SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING MANUFACTURER'S SHOP DRAWINGS PRIOR TO ROUGHING IN ALL CONDUITS TO THIS EQUIPMENT.

15. BEFORE ROUGH-IN, VERIFY ALL MOUNTING HEIGHTS AND EXACT LOCATIONS FOR ALL EQUIPMENT, ELECTRICAL CONNECTIONS, STUB-UPS, RECEPTACLES, OUTLETS, CONDUIT RUNS, ETC. WITH ARCHITECT AND 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 DRAWINGS SHALL GOVERN. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF ELECTRICAL DEVICES.

16. MOUNTING HEIGHTS OF ALL CONTROL DEVICES TO BE USED BY OCCUPANT OF THE ROOM OR AREA SHALL BE MOUNTED AT THE FOLLOWING HEIGHTS: RECEPTACLES OUTLETS: +18" (TO BOTTOM OF OUTLETS)

TELEPHONE/TV/DATA OUTLETS: +18" (TO BOTTOM OF OUTLETS) LIGHT SWITCHES: +44" (TO HIGHEST OPERABLE PART) OUTLETS ABOVE COUNTER: +44" (TO HIGHEST OPERABLE PART) MOUNTING HEIGHTS OF ALL DEVICES AND EQUIPMENT ARE FROM FINISHED FLOOR TO +44 LOCATION OF DEVICE AS NOTED. EQUIPMENT INSTALLED IN LOCATIONS NOT APPROVED BY THE ARCHITECT SHALL BE RELOCATED AS DIRECTED BY THE ARCHITECT AT NO ADDITIONAL COST

17. COORDINATE ALL OUTLET BOX INSTALLATION WITH ARCHITECTURAL WALL FINISH SCHEDULES. SPACE BETWEEN FACEPLATE AND DEVICE BOX SHALL NOT EXCEED 1/8".

18. FOR RENOVATION WORK, THE CONTRACTOR SHALL CONCEAL ALL WORK WHERE POSSIBLE. ALL EXPOSED RACEWAY AND BOXES IN OCCUPIED AREAS OR ON EXTERIOR WALLS SHALL BE PAINTED TO MATCH ADJACENT FINISHES.

19. THE CONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRING PATCHING, PLASTERING, PAINTING AND/OR OTHER REPAIR DUE TO THE INSTALLATION OF ELECTRICAL WORK UNDER THE TERMS OF THIS SPECIFICATION. CLOSE ALL OPENINGS, REPAIR ALL SURFACES, ETC., AS REQUIRED.

20. SEAL ALL CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS AND CEILINGS. FURNISH AND INSTALL FIRE RATED BACKBOXES AS REQUIRED, MAINTAINING FIRE RATING OF CEILING OR WALLS WHERE RECESSED ELECTRIC EQUIPMENT SUCH AS LIGHT FIXTURES, SWITCHES, RECEPTACLES, PANEL, ETC. ARE INSTALLED IN RATED WALL OR CEILINGS. PENETRATIONS OF FIRE RATED WALLS, CEILINGS, OR FLOORS SHALL COMPLY WITH CBC CHAPTER 7 (714) REQUIREMENTS. CONDUIT PENETRATIONS THAT ARE NOT STUBBED-OUT INSIDE THE WALL SHALL MEET F AND T RATING. ALL FIRE PROOFING METHODS SHALL BE UL APPROVED.

21. ALL EXTERIOR EQUIPMENT SHALL BE NEMA 3R RATED. ALL WALL PENETRATIONS TO EXTERIOR WALLS SHALL BE SEALED WATER TIGHT.

22. PULLING TAPES: ALL RACEWAY WITHOUT CABLE OR WIRE SHALL BE INSTALLED WITH A MINIMUM 1100 LBS. STRENGTH TEST POLYESTER PULLING TAPE. PULLING TAPES SHALL BE DETECTABLE MULE-TAPE WITH SEQUENTIAL FOOTAGE MARKING.

23. RUN NO MORE THAN 3 CURRENT CARRYING CONDUCTORS IN ANY WIREWAY UNLESS DE-RATING IS APPROVED BY ENGINEER OR SHOWN ON DRAWINGS.

24. ALL BRANCH CIRCUIT CONDUCTORS SHALL BE COPPER, #10 AWG MINIMUM, RATED FOR 600V, THHN/THWN, 75 DEGREE CELSIUS. ALL CONDUCTORS SHALL BE STRANDED, SOFT DRAWN ANNEALED COPPER WIRE 98% CONDUCTIVITY, BEARING THE UL LABEL. SYSTEM VOLTAGE SHALL BE IDENTIFIED AS TO VOLTAGE AND PHASE CONNECTIONS BY MEANS OF COLOR IMPREGNATED INSULATION OR APPROVED COLORED MARKING TAPE.

25. WHERE MULTI-HOMERUNS ARE INDICATED ON DRAWINGS INDICATING THE SAME CIRCUIT NUMBER, PROVIDE A JUNCTION BOX ABOVE THE ACCESSIBLE CEILING AND ROUTE ONE SET OF WIRES TO THE CIRCUIT BREAKER.

26. 2REFER TO THE SINGLE LINE DIAGRAM FOR THE CONDUIT AND CONDUCTOR SIZES HOMERUN TO ELECTRICAL PANELS. CONDUIT RUNS MAY NOT BE SHOWN ON DRAWINGS, BUT ARE PART OF THIS CONTRACT.

27. ALL CONDUIT RUNS INCLUDING STRAIGHT FEEDER AND BRANCH CIRCUIT SHALL BE PROVIDED WITH SUFFICIENT PULL BOXES OR JUNCTION BOXES TO LIMIT THE MAXIMUM LENGTH OF ANY SINGLE CABLE PULL TO 100 FEET. PULL BOXES SHALL BE SIZED PER CODE OR AS INDICATED ON DRAWINGS. LOCATIONS SHALL BE DETERMINED IN THE FIELD OR AS INDICATED ON THE DRAWINGS.

28. FINAL CONNECTIONS TO ALL EQUIPMENT SHALL BE PER MANUFACTURER'S APPROVED WIRING DIAGRAMS, DETAILS, AND INSTRUCTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MATERIAL AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.

29. DO NOT COMBINE DIFFERENT SYSTEM VOLTAGES IN SAME CONDUIT (EG., 120/208V VS. 277/480V), UNLESS APPROVED BY ENGINEER OR SHOWN ON DRAWINGS.

30. ELECTRICAL SYSTEMS SHALL BE INSTALLED FOR FINAL INSPECTIONS. PROVIDE NEUTRAL TEST AND PROOF OF TORQUE DURING FINAL INSPECTION FOR ALL UNITS. FINAL TERMINATIONS OF CONDUCTORS TO ELECTRICAL EQUIPMENT AND DEVICES SHALL BE TORQUE WRENCH TIGHTENED TO THE MANUFACTURER'S RECOMMENDED SPECIFICATION, NO EXCEPTION.

31. CIRCUIT BREAKER TERMINALS IN SWITCHBOARDS AND LOAD CENTER SHALL BE UL LISTED AND APPROVED FOR USE COPPER 75 DEGREE CELSIUS CONDUCTORS.

32. SIZES OF BREAKERS, SWITCHES, FUSES AND FEEDERS ARE BASED ON DESIGNED EQUIPMENT SIZES. THESE SIZES SHALL BE ADJUSTED TO SATISFY REQUIREMENTS OF ACTUAL INSTALLED OR SUBSTITUTE EQUIPMENT. UP SIZING OR DOWNSIZING OF FEEDERS SHALL BE PROVIDED WITHOUT ADDITIONAL COST TO THE OWNER.

33. AS REQUIRED ALL OVERSIZED FEEDERS THAT WERE ADJUSTED IN SIZE TO COMPENSATE FOR VOLTAGE DROP SHALL BE PROVIDED WITH ADAPTER LUGS OR SPLICE BOX. ADAPTER LUGS SHALL BE PROVIDED IF SIZE IS AVAILABLE. OTHERWISE PROVIDE CABLE SPLICES IN THE SPLICE BOX TO REDUCE CABLES TO THE MAXIMUM SIZE THAT THE BREAKER LUGS CAN ACCOMMODATE.

34. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAW-CUTTING, TRENCHING, BACKFILLING, COMPACTION AND PATCHING OF CONCRETE AND ASPHALT AS REQUIRED TO COMPLETE WORK. USE EXTREME CAUTION WHEN TRENCHING NEAR EXISTING UNDERGROUND UTILITY LINE. CONTRACTOR SHALL PROVIDE ALL REQUIRED CUTTING, PATCHING, PAINTING, AND REPAIRS NECESSARY TO RESTORE DAMAGED SURFACES TO EQUAL OR BETTER THAN ORIGINAL CONDITIONS EXISTING AT THE START OF WORK.

35. ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST HORIZONTAL FORCE ACTING IN ANY DIRECTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF ASCE.

36. RIGID GALVANIZED STEEL CONDUIT SHALL BE USED FOR ALL EXTERIOR APPLICATIONS, ALL CONDUITS LARGER THAN 2" TRADE DIAMETER, AND ALL INDOOR CONDUITS BELOW EIGHT (8) FEET FROM FINISHED FLOOR.

37. ELECTRICAL METALLIC TUBING (EMT) IS ONLY ALLOWED IN INTERIOR LOCATION ABOVE EIGHT (8) FEET FROM FINISHED FLOOR AND WHEN ENTERING A PANEL FROM ABOVE.

38. CONNECTIONS TO VIBRATING EQUIPMENT (MOTOR, TRANSFORMER ENCLOSURE, ETC.) AND SEISMIC SEPARATIONS SHALL BE PROVIDED WITH LIQUID-TIGHT FLEXIBLE STEEL CONDUIT WITH WATERTIGHT CONNECTORS. MAXIMUM LENGTH OF CONDUIT SHALL BE SIX FEET, UNLESS OTHERWISE NOTED.

39. CONTRACTOR SHALL PROVIDE TERMINATIONS FOR ALL DATA/VOICE CABLES INDICATED AT OUTLET LOCATIONS INDICATED ON DRAWINGS.

40. CONTRACTOR SHALL PROVIDE AND INSTALL ACCESS PANELS IN NON-ACCESSIBLE CEILINGS WHERE REQUIRED TO ACCESS ELECTRICAL EQUIPMENT IN CEILING SPACE. ACCESS DOORS SHALL HAVE FIRE RATING EQUAL TO THE CEILING ASSEMBLY IN WHICH THEY ARE INSTALLED.

41. ALL FIRE LIFE SAFETY EQUIPMENT, SUCH AS FIRE ALARM CONTROL PANEL AND REMOTE POWER SUPPLIES SHALL BE PROVIDED WITH DEDICATED CIRCUITS. IDENTIFY CIRCUIT DESIGNATION AND PROVIDE PERMANENT LABELING, "FIRE ALARM CIRCUIT" ON ELECTRICAL PANEL. PROVIDE PERMANENT LOCK-ON DEVICE.

42. CONTROL CONDUIT FOR ENERGY/BUILDING MANAGEMENT SYSTEM (E/BMS) SHALL BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR.

43. ROUTE CONDUIT PARALLEL AND PERPENDICULAR TO WALLS AND ADJACENT PIPING. ARRANGE CONDUIT TO MAINTAIN HEADROOM AND TO PRESENT A NEAT APPEARANCE.

44. WHEN A DISCREPANCY IN QUANTITY OR SIZE OF CONDUIT, WIRE, EQUIPMENT, CIRCUIT BREAKERS, ETC., ARISES ON THE DRAWINGS OR SPECIFICATIONS, CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIAL REQUIRED BY THE MOST STRINGENT CONDITIONS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS TO PROVIDE A COMPLETE AND OPERABLE SYSTEM, OR AS DIRECTED BY ENGINEER.

45. FOR SMALL AC MOTORS NOT HAVING BUILT-IN THERMAL OVERLOAD PROTECTION, PROVIDE MANUAL MOTOR STARTERS WITH OVERLOAD HEATER ELEMENTS SIZED PER MANUFACTURER'S RECOMMENDATION. FOR SMALL AC MOTORS WITH BUILT-IN THERMAL OVERLOAD PROTECTION, PROVIDE A HORSEPOWER RATED TOGGLE DISCONNECT SWITCH.

46. DISCONNECT SAFETY SWITCHES SHALL BE HEAVY DUTY AND BE RATED FOR THE NUMBER OF POLES, VOLTAGE, CURRENT AND HORSEPOWER RATING AS REQUIRED. PROVIDE FUSE PROTECTION BASED ON THE MOTOR NAMEPLATE RATINGS.

47. PROVIDE PERMANENT IDENTIFICATIONS (NAMEPLATES) FOR ALL ELECTRICAL PANELS, SWITCHBOARDS, MOTOR CONTROL CENTERS, DISCONNECT SWITCHES, TRANSFORMERS, TERMINAL CABINETS, ETC.

48. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO VERIFY TYPE OF CEILING SYSTEMS AND TO FURNISH APPROVED LIGHTING FIXTURES OF THE TYPE REQUIRED FOR MOUNTING IN SUBJECT CEILING. PROVIDE ALL NECESSARY MOUNTING KIT/HARDWARE TO PROVIDE A COMPLETE WORKING LIGHTING SYSTEM.

49. ALL FINAL ELECTRICAL CONNECTIONS TO OWNER FURNISHED EQUIPMENT SHALL BE MADE BY THE ELECTRICAL CONTRACTOR.

50. ALL SPLICES AND TERMINALS SHALL BE COMPRESSION TYPE, OF SEAMLESS PURE COPPER, TIN PLATED, LONG BARREL, INSPECTION WINDOW, TERMINALS WITH TWO-HOLE PAD (WITH NEMA DRILLING). CLEAN ALL SURFACES AND INSTALL WITH OXIDE INHIBITING COMPOUND BURNDY PENETROX-E OR EQUAL. APPLY COMPOUND BETWEEN BUS BAR AND LUG PAD AND BETWEEN CONDUCTOR AND LUG BARREL. INSTALL COMPRESSION CONNECTORS WITH A FULLY CIRCUMFERENTIAL COMPRESSION DIE BURNDY HYPRESS OR EQUAL.

51. LABEL ALL CONDUIT WHERE IT BEGINS, AND WHERE IT TERMINATES INTO A BOX, PANEL, DEVICE, LOAD, OR DISCONNECT. CONDUIT SHALL BE LABELED EVERY 30 FEET OR LESS. CONDUIT SHALL BE LABELED WHERE IT PENETRATES ANY WALL OR FLOOR. LABEL SHALL BE PERMANENT PRINTED LABELS (DESCRIBING SOURCE, CIRCUIT, AND LOAD) LEGIBLE FROM FLOOR WHERE POSSIBLE (STANDING POSITION).

52. CONTRACTOR'S FAILURE TO ORDER OR RELEASE ORDER FOR MATERIALS AND/OR EQUIPMENT WILL NOT BE ACCEPTED AS A REASON TO SUBSTITUTE ALTERNATE MATERIALS. EQUIPMENT OR INSTALLATION METHODS.

53. PROVIDE ARC-FLASH HAZARD WARNING LABELS ON ALL AFFECTED ELECTRICAL EQUIPMENT, INCLUDING, BUT NOT LIMITED TO SWITCHBOARDS, PANEL BOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS. MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS. LABEL SHALL BE FACTORY PRE-PRINTED OR MACHINE-PRINTED SELF-ADHESIVE VINYL MATERIAL; UV, CHEMICAL, WATER, HEAT AND ABRASION RESISTANT; PRODUCED USING MATERIALS RECOGNIZED BY UL 969. MINIMUM SIZE: 3.5 BY 5 INCHES.

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

55. NON-METALLIC RACEWAY COLOR TO BE COORDINATED WITH OWNER.

56. NOTIFICATION DEVICES SHALL BE RED, PULL STATIONS SHALL BE RED, DETECTORS SHALL BE

### WIRE SCHEDULE

ITEM NO.	INDICATOR	NO. OF CONDUTORS	WIRE SIZE	COLOR	WIRE TYPE	DESCRIPTION
01	М#	1 PAIR	#14 AWG	RED/BLK	FPLP, UTP SLC	INITIATION CIRCUIT
02	С	1 PAIR	#12 AWG	RED/BLK	FPLP, STRANDED	STROBE CIRCUIT
03	E	* (1) FIBER OPTIC CABLE WITH CONNECTOR	N/A	N/A	N/A	CONNECTION CABLE

1. CONDUIT RUN CONCEALED IN CEILING OR WALL, MIN. 1"C. 2. OUTDOOR WIRING TO BE LISTED FOR WET LOCATIONS. \* FIBER OPTIC CABLE TYPE AND CONNECTORS SHALL BE COORDINATED WITH OWNER.

2. ALL WIRING SHALL BE IN CONDUITS UON. UNDERGROUND AND OUTDOOR CONDUITS SHALL BE WATERTIGHT AND FREE OF MOISTURE. CABLE NOT IN CONDUIT OR ROUTED UNDERGROUND SHALL BE INSULATED AND OUTDOOR RATED. USE SHIELDED WIRES FOR INITIATION CIRCUITS ROUTED UNDERGROUND EXPOSED CONDUITS SHALL BE PAINTED TO MATCH FINISH.

. ALL WORK IS NEW UON. CONCEAL CONDUITS ABOVE CEILING AND BEHIND WALLS. WHERE EXPOSED, OBTAIN

FIRE ALARM GENERAL NOTES

3. FIRE ALARM DEVICES SHALL BE SYNCHRONIZED. PROVIDE MODULES AND WIRES AS NECESSARY.

4. ALL REQUIREMENTS OF CONTRACT SPECIFICATIONS AND DRAWINGS APPLY.

APPLIANCES MOUNTING HEIGHTS SHALL BE AS PER DRAWINGS.

APPROVAL FROM ENGINEER.

5. SEE MANUFACTURER FIELD WIRING SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.

6. 120VAC 60HZ INPUT POWER FOR FIRE ALARM CONTROL SHALL BE A DEDICATED CIRCUIT WITH LOCKING BREAKER PROPERLY LABELED OR "EMERGENCY POWER FROM THE MAIN DISTRIBUTION PANEL AND LOCAL LOCKABLE BREAKER AT FACP, & TAC PANELS.

7. ALL WIRING, INCLUDING SHIELDS, MUST BE DRY AND FREE OF SHORTS AND GROUNDS. NO SPLICES SHALL BE MADE IN UNDERGROUND BOXES.

8. PROVIDE DISTRICT WITH ONE COPY OF "AS BUILT" DRAWINGS SHOWING LOCATION OF JUNCTION BOXES AND SPLICE BOXES SO THAT ACCURATE DOCUMENTATION MAY BE MAINTAINED.

9. 120VAC IS NOT PERMITTED IN SAME CONDUIT WITH LOW VOLTAGE WIRING. FA CONDUIT SHALL BE DEDICATED TO THE FA SYSTEM.

10. DO NOT APPLY POWER EXCEPT IN THE PRESENCE OF A FACTORY TRAINED MANUFACTURER TECHNICAL REPRESENTATIVE.

11. ANY SMOKE DETECTOR HEAD INSTALLED BEFORE BUILDING IS CLEANED AND ACCEPTED SHALL BE COVERED TO PROTECT FROM DUST. ANY FALSE ALARMS DUE TO DIRT CONTAMINATED HEADS SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

12. THERE WILL BE NO CONDUIT ENTRY ALLOWED 18" OR LOWER ON THE SIDE PANELS OR THROUGH THE BOTTOM OF ALL CONTROL EQUIPMENT BACKBOXES.

13. MANUAL PULL STATIONS SHALL BE MOUNTED NO HIGHER THAN 48" ABOVE FINISHED FLOOR. VISIBLE NOTIFICATION

14. FINAL FIRE ALARM TEST SHALL BE MADE WITH THE DSA INSPECTOR OF RECORD (IOR). LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF DATE AND TIME OF FINAL FIRE ALARM TESTING AND SHALL ASSIST/WITNESS SUCH TESTING WHEN ABLE.

15. ALL WIRE, PANEL AND DEVICE TERMINATIONS, CONDUIT, PHYSICAL MOUNTING, ETC., SHALL BE PROVIDED BY ELECTRICAL CONTRACTOR.

16. U.L. CERTIFICATION FOR THE FIRE ALARM SYSTEM WILL BE PROVIDED BY MANUFACTURER.

17. AUDIBLE FIRE ALARM EVACUATION SIGNAL SHALL BE A UNIFORM CODED THREE - PULSE TEMPORAL PATTERN PER NFPA-72.

18. ALL CONDUITS SHALL HAVE COMPRESSING TYPE. MINIMUM SIZE 3/4". PAINT ALL CONDUITS TO MATCH THE WALLS. PAINT JUNCTION BOXES RED. COORDINATE WITH DISTRICT PAINT STANDARDS

19. UNDERGROUND AND EXTERIOR CONDUITS WILL HAVE WATER—TIGHT FITTINGS (CEC 110—11 AND 300—6).

20. AUDIBLE FIRE ALARM SOUND LEVEL SHALL BE AT LEAST 15dBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL IN ALL OCCUPIABLE AREAS. (2016 NFPA 72 SEC. 18.4.3.1) (i.e. CLASSROOM AVERAGE AMBIENT ROOM NOISE IS 45dBA PLUS 15dBA EQUALS = 60dBA MINIMUM ALARM TONE REQUIRED).

21. STROBE SHALL FLASH AT A RATE OF NOT EXCEEDING TWO FLASHES PER SECOND NOT BE LESS THAN ONE FLASH EVERY SECOND. (2016 NFPA 72 SEC. 18.5.2.1).

22. AT THE END OF THE WORKDAY, REMOVE ALL DEBRIS AND CLEAN THE WORK AREA.

23. IN AREAS WHERE CONDUIT CAN NOT BE CONCEALED, ALL CONDUITS IN THE CORRIDORS AND CLASSROOMS SHALL BE INSTALLED ON WALLS, CLOSED TO THE CEILING AND THEY SHOULD BE EITHER PARALLEL OR 90 DEGREE TO THE WALLS. USE OF CEILING FOR SUPPORT OF CONDUITS HAS TO BE APPROVED BY THE ENGINEER.

24. MARK THE LOCATION OF ALL DEVICES (USE DIFFERENT COLOR TAPE FOR DIFFERENT DEVICES) AND CONDUIT RUN AT SITE. THE LOCATION OF DEVICES AND CONDUIT RUN MUST BE APPROVED BY THE ENGINEER/INSPECTOR PRIOR

25. TAG ALL WIRE AT JUNCTION BOXES AND AT TERMINATION, AND LABEL ALL DEVICES.

26. AS THE DRAWINGS ARE SCHEMATICS IN NATURE. AFTER FINALIZING THE LOCATION OF THE DEVICES AND THE CONDUIT ROUTING. MARK THE CONSTRUCTION DRAWINGS AND MEET WITH DISTRICT. THEY WILL PROVIDE YOU WITH THE INFORMATION ABOUT THE EXISTENCE OF LEAD-BASED PAINT OR ASBESTOS IN THE WORK AREA. FOLLOW THEIR DIRECTION TO MEET THE STATE AND CITY REQUIREMENTS TO WORK IN AND AROUND CONTAMINATED AREAS.

27. FIRE ALARM CONTRACTOR SHALL PROVIDE A "PERMANENT RECORDS" TO THE INSPECTOR OF RECORD (IOR) / DSA AND DISTRICT AFTER SUCCESSFUL COMPLETION OF ACCEPTANCE TESTS. (2016 NFPA 72 SEC. 10.18.2 & FIGURE 10.18.2.1.1).

28. TITLE 24 PART I ADMINISTRATIVE REQUIREMENTS INCLUDING BUT NOT LIMITED TO THE FOLLOWING SECTIONS AND THEIR SUB SECTIONS SHALL APPLY.

A. ADMINISTRATION OF CONSTRUCTION B. INSPECTOR AND CONTINUOUS INSPECTION PER SECTION 4-333(b) AND 4-342

SUPERVISION BY DSA PER SECTION 4-334 VERIFIED REPORTS PER SECTION 4-336

ADDENDA AND CHANGES PER SECTION 4-338 F. DSA IS NOT SUBJECT TO ARBITRATION.

29. UPON COMPLETION OF SYSTEM INSTALLATION, THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF AND IN A MANNER ACCEPTABLE TO DSA/IOR. THE CONTRACTOR TO SUPPLY NECESSARY TESTING EQUIPMENTS INCLUDING A "DECIBEL METER" TO CHECK ACCEPTABLE NOISE LEVEL OF AUDIBLE DEVICES. PROVIDE TEST RESULTS PER NFPA 72 TO ENGINEER, DSA, IOR, OWNER AND TO THE LOCAL FIRE AUTHORITY.

30. PENETRATIONS OF ALL FIRE-RATED WALLS SHALL BE PROTECTED IN ACCORDANCE WITH THE CALIFORNIA BUILDING CODE, PART 2. PROVIDE DETAILS AND UL DESIGN NUMBERS

31. RECORD RECEIPT OF ALL SIGNALS TO CENTRAL STATION MONITOR.

32. CONTRACTOR SHALL REFER TO FIRE ALARM SPECIFICATIONS AND DISTRICT STANDARDS FOR ADDITIONAL FIRE ALARM SYSTEM INSTALLATION REQUIREMENTS.

33. COORDINATE FLOW AND TAMPER SWITCHES WITH FIRE SPRINKLER INSTALLER.

34. SUPERVISING STATION: AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72, AS AMENDED BY CFC CHAPTER 47. THE SUPERVISION STATION SHALL BE LISTED AS EITHER UUFX OR UUJS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011.

35. IF ROUTING DIFFERS SIGNIFICANTLY FROM THESE PLANS, APPROVAL FROM DSA AND THE PROJECT ELECTRICAL ENGINEER MUST BE OBTAINED BEFORE CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE TO SUBMIT & OBTAIN DSA APPROVAL AT NO ADDITIONAL COST TO THE DISTRICT. AFTER CONSTRUCTION, PROVIDE ACCURATE FIELD RECORD DRAWINGS TO OWNER.

36. T-TAPPING IS NOT ALLOWED.

37. AUDIBLE DEVICES SHALL BE NOT LESS THAN 75 DBA AT 10 FEET OR MORE THAN 110 DBA IN TOTAL THROUGHOUT. AUDIBLE SOUND LEVELS SHALL ALSO BE AT LEAST 15 dBA ABOVE AVERAGE AMBIENT SOUND LEVEL IN ALL OCCUPIED AREAS. AUDIBLE DEVICES SHALL SOUND THE CALIFORNIA UNIFORM FIRE ALARM SIGNAL IN TEMPORAL MODE, THREE DISTINCTIVE FIRE ALARM SOUND.

38. CONTRACTOR MUST SUBMIT RESULT OF THE SOUND TEST TO THE PROJECT ELECTRICAL ENGINEER AND MAY BE REQUIRED TO RELOCATE OR ADD AUDIBLE DEVICES TO MEET THE DBA REQUIREMENT. CONTRACTOR BID SHALL INCLUDE (5) SPARE OF EACH TYPE OF SIGNALING & INITIATION DEVICES WITH CONNECTION TO FACP AS REQUIRED (I.E. SPEAKER, SPEAKER STROBE, DETECTOR).

39. BASED ON ORIGINAL STRUCTURAL DRAWINGS THE 1ST FLOOR CEILING HEIGHT: 21'. INTERSECTING BEAMS, CORRUGATED 2ND FLOOR DECK. EAST TO WEST BEAM ON THE COLUMN LINES ARE 23.9" DEEP THE INTERSECTING BEAMS RUNNING NORTH TO SOUTH ARE 17.9" DEEP WITH SOME INTERMEDIATE BEAMS AT 15.69" DEEP.

40. BASED ON NFPA—72 THE BEAM DEPTH RATIO TO CEILING HEIGHT IS LESS THAN 10% DEEP. FOR BEAMS OR INTERSECTING BEAMS: CEILING OR BOTTOM OF BEAMS, FOR SOLID JOISTS: BOTTOM OF JOISTS. 41. NOT ALL DEVICES ARE SHOWN IN THESE DRAWINGS AND IT SHALL BE THE CONTRACTORS RESPONSIBILITY FOR A

COMPLETE AND OPERATIONAL SYSTEM UPON COMPLETION MEETING NFPA-72 REQUIREMENTS AND ALL APPLICABLE

CODES ALONG WITH ANY LOCAL JURISDICTION REQUIREMENTS — A "TURN KEY" SOLUTION. 42. THERE SHALL BE NO SPLICING OF FIRE ALARM CONDUCTORS BETWEEN TERMINATION OF FIRE ALARM DEVICES. UNLESS SPECIFICALLY NOTED OTHERWISE. FIRE ALARM CONDUCTORS SHALL BE CONTINUOUS FROM DEVICE TO DEVICE. SPLICES ARE PERMITTED AT THE BUILDING FIRE ALARM TERMINAL CAN.

43. EXISTING FIRE ALARM SYSTEM SHALL NOT BE TAKEN OFFLINE UNTIL NEW FIRE ALARM SYSTEM IS TESTED AND FULLY FUNCTIONAL. IN THE EVENT OF FIRE ALARM SYSTEM NOT OPERATING IN A DEPENDABLE MANNER, THE CONTRACTOR SHALL PROVIDE FIRE WATCH AT CAMPUS OR AFFECTED PORTION OF THE CAMPUS PER DSA IRF-2. APPLICABLE CODES

UNLESS OTHERWISE INDICATED OR SPECIFIED. PERFORM THE WORK IN CONFORMANCE WITH THE LATEST EDITIONS OF ALL APPLICABLE REGULATORY REQUIREMENTS, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24):

CALIFORNIA BUILDING CODE (PART 2, TITLE 24): 2018 IBC WITH 2019 CA AMENDMENTS

CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24): 2017 NEC WITH 2019 CA AMENDMENTS

CA AMENDMENTS CALIFORNIA PLUMBING CODE (PART 5, TITLE 24) 2018 UPC WITH 2019 CA

CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24): 2018 UMC WITH 2019

. CALIFORNIA ENERGY CODE (PART 6, TITLE 24): 2019

**AMENDMENTS** 

. CALIFORNIA HISTORICAL BUILDING CODE, (PART 8, TITLE 24): 2019 . CALIFORNIA FIRE CODE (PART 9, TITLE 24): 2018 IFC WITH 2019 CA AMENDMENTS

CALIFORNIA EXISTING BUILDING CODE (PART 10, TITLE 24): 2019 (2018)

INTERNATIONAL EXISTING BUILDING CODE WITH 2019 CA AMENDMENTS) D. CALIFORNIA GREEN BUILDING STANDARDS CODE OR CAL GREEN (PART 11,

TITLE 24): 2019 1. CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24): 2019

12. PUBLIC SAFETY (CCR TITLE 19), STATE FIRE MARSHAL: CURRENT REVISION

13. NFPA 72, NATIONAL FIRE ALARM CODE, 2016 EDITION

### M/E/P COMPONENT ANCHORAGE NOTE:

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON-THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC SECTION 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

SCHOOL EQUIPMENT ANCHORAGE

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.

2. TEMPORARY OR 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 DIRECTIONS:

ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT. B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS. LESS THAN 5 POUNDS PER FOOT, WHICH ARE

SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER

OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR

HE 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

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 SECTION 13.6.5, 13.6.6, 13.6.7,

13.6.8; AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

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

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP),

ELECTRICAL DISTRIBUTION SYSTEMS (E):

 $\mathsf{MP} \square \mathsf{MD} \square \mathsf{PP} \square \mathsf{E} \boxtimes$ 

OPTION 1: DETAIL ON THE APPROVED

DRAWINGS WITH PROJECT SPECIFIC NOTES

AND DETAILS.

ACCORDANCE WITH ABOVE REQUIREMENTS.

 $\mathsf{MP} \square \mathsf{MD} \square \mathsf{PP} \square \mathsf{E} \square$ OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) # \_\_\_\_\_

### SUMMARY OF WORK

THE NEW SYSTEM FOR THE BUILDING SHALL BE MANUAL AND AUTOMATIC

ADDRESSABLE, CLASS B, (AS INDICATED ON DRAWINGS). THE NEW FIRE ALARM WORK INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING: a. PROVIDE AND INSTALL OF RACEWAYS AND WIRING.

b. PROVIDE AND INSTALL OF FA INITIATION DEVICES AND SIGNALING c. PROVIDE AND INSTALL OF FACP, AUXILIARY EQUIPMENT, AND ASSEMBLIES FOR A CODE COMPLIANT FA SYSTEM. d. TESTING AND COMMISSIONING OF FIRE ALARM SYSTEM.

CONTRACTOR SHALL COORDINATE FIRE ALARM WORK WITH DISTRICT AND LOCAL FIRE AUTHORITY. DISTRICT AND LOCAL FIRE AUTHORITY SHALL BE GIVEN 48 HOURS NOTICE PRIOR TO SYSTEM SHUT DOWN. SIGNS SHALL BE POSTED NOTIFYING PUBLIC AND DISTRICT AUTHORITIES THAT THE FIRE ALARM SYSTEM HAS BEEN DECOMMISSIONED FOR THE UPGRADE.

### TESTING OF EXISTING SYSTEMS

TESTING OF EXISTING SYSTEMS:

1. PROVIDE COMPLETE OPERATIONAL TEST OF EXISTING FIRE ALARM SYSTEM PRIOR TO ANY DEMOLITION OR CONSTRUCTION. VERIFY OPERATION OF EACH DEVICE, CONTROL PANEL, DISTRIBUTION EQUIPMENT AND ASSOCIATED ACCESSORIES.

2. PROVIDE A COMPLETE WRITTEN REPORT TO THE ENGINEER, INDICATING ANY DEFICIENCIES OF THE EXISTING SYSTEM IN RELATION TO EACH COMPONENT'S INTENDED FUNCTION. IN ADDITION. PROVIDE DEFICIENCIES OF THE EXISTING SYSTEM WITH REGARD TO CURRENT CODE, ADA, AND LOCAL ACCESSIBILITY STANDARDS REQUIREMENTS. PROVIDE THE WRITTEN REPORT 14 DAYS PRIOR TO ANY WORK RELATED TO THE EXPANSION OF THE EXISTING SYSTEM.

3. TESTING OF THE EXISTING SYSTEM SHALL INCLUDE ALL AREAS AND ALL BUILDINGS SERVED BY THE EXISTING SYSTEM.

### SYMBOLS AND ABBREVIATIONS

BATTERY BACK-UP 120 VAC, DEDICATED CIRCUIT

> END OF LINE RESISTOR CONDUIT W/ FIRE ALARM WIRING CONCEALED BEHIND WALLS AND ABOVE

CEILING SPACES EXISTING DEVICES, CONDUITS, WIRES, ETC.

TO REMAIN NEW (BOLD) DEVICES, CONDUITS, WIRES, ETC.

O CONDUIT UP

WATER FLOW BELL SMOKE DETECTOR HEAT DETECTOR

SSA SPEAKER STROBE

FAA

<N>

FS FLOW SWITCH PULL STATION (MANUAL FIRE ALARM BOX)

FACP FIRE ALARM CONTROL PANEL

ANNUNCIATOR PANEL

REMOTE POWER SUPPLY CSFM

NEW (BOLD)

DACT <E> EXISTING

REMOVE <R> RPS REMOTE POWER SUPPLY UON UNLESS OTHERWISE NOTED

TRUEALERT ADDRESSABLE CONTROLLER (RPS) TWISTED PAIR (SHIELDED) TPS TRUEALERT POWER SUPPLY

VANDALPROOF

WEATHERPROOF

## PHOTOGRAPHIC CONSTRUCTION RECORDS

THE CONTRACTOR SHALL PROVIDE PRECONSTRUCTION DIGITAL PHOTOGRAPHS AND VIDEO RECORDINGS PRIOR TO COMMENCEMENT OF WORK ON THE SITE. BEFORE CONSTRUCTION MAY START, CONTRACTOR SHALL DOCUMENT ANY EXISTING CONDITIONS THAT ARE NOT COVERED BY THE CONTRACT DOCUMENTS (DAMAGED CONCRETE, WALLS, LANDSCAPE, ETC.). FAILURE TO DOCUMENT EXISTING DAMAGE WILL RESULT IN CONTRACTOR REPAIRS TO SURFACE TO MATCH ADJACENT AFTER APPL# CONSTRUCTION ACTIVITIES. ADDITIONAL PRECONSTRUCTION PHOTOGRAPHS/VIDEOS SHALL BE TAKEN AT LOCATIONS TO BE DESIGNATED BY THE OWNER'S

REPRESENTATIVE. CONTRACTOR SHALL MAKE A VIDEO RECORDING OF ALL PROPOSED ROUTINGS FOR INFRASTRUCTURE WORK, NOTING CONDITIONS OF EXISTING SURFACES AND ADJACENT IMPROVEMENTS. ONE COPY OF COMPLETE VIDEO SHALL BE

CLEARLY DEPICT WORK.

SHT NO.

TRANSMITTED TO THE OWNER'S REPRESENTATIVE.

CONSTRUCTION PHOTOGRAPHS

THE CONTRACTOR SHALL PROVIDE CONSTRUCTION PHOTOGRAPHS SHOWING THE PROGRESS OF THE WORK AND AS MAY BE DIRECTED BY THE OWNER'S REPRESENTATIVE. PHOTOGRAPHS/VIDEOS SHALL BE FORMATTED, IDENTIFIED, AND DELIVERED AS DESCRIBED ABOVE FOR DIGITAL PHOTOS AND VIDEOS. STARTING ONE MONTH AFTER THE DATE OF THE PRECONSTRUCTION PHOTOGRAPHS AND CONTINUING AS LONG AS THE WORK IS IN PROGRESS, APPROXIMATELY 40 MONTHLY PHOTOGRAPHS SHALL BE TAKEN, CATALOGED AND CROSS REFERENCED

INSPECTION AND PRIOR TO CONCEALING TO CLEARLY INDICATE THE WORK DOCUMENT ON PLANS THE LOCATION AND ORIENTATION FOR EACH PHOTO DOCUMENTING CONCEALED WORK. FOR FINAL COMPLETION, DOCUMENT ALL PUNCH LIST ITEM COMPLETION BY

SLAB, ETC.) SHALL BE PHOTO DOCUMENTED AFTER ANY TESTING AND

PHOTOGRAPH OR VIDEO. DELIVER CONSTRUCTION PHOTOGRAPHS AND VIDEOS WITHIN 10 DAYS OF CREATION. ALL PHOTOS AND VIDEOS SHALL BE OF SUFFICIENT QUALITY TO

### FIRE ALARM DRAWING INDEX

FIRE ALARM GENERAL NOTES, SYMBOLS & ABBREVIATIONS

**DESCRIPTION** 

FIRE ALARM LEGEND & NOTES

FA1.01 FIRE ALARM SITE PLAN FIRE ALARM FLOOR PLAN LEVELS 1 & 2 - DEMO

FIRE ALARM FLOOR PLAN LEVELS 1 & 2 - NEW FIRE ALARM ROOF PLAN — DEMO

FIRE ALARM ROOF PLAN - NEW

FA5.01 FIRE ALARM DETAILS FIRE ALARM CALCULATIONS

FIRE ALARM RISER DIAGRAM

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 02/17/2023

## aedis architects

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

Solano CCD BLDG 300 Modernization



**SOLANO COMMUNITY** COLLEGE DISTRICT



San Jose, California 95112-2218

877.725.2755 | 877.925.1477 (f)

WWW.SALASOBRIEN.COM

Local **Action.** 

DSA FILE NUMBER

REVISIONS Description

MILESTONES 06.17.2022 08.12.2022 09.05.2022 10.11.2022

10.28.2022

02.21.2023

**BACK CHECK** 

DSA SUB

SYMBOLS & **ABBREVIATIONS** 

JOB# 2022012

K:\drawings\Aedis\2201690 B300 HVAC Modernization\2201690FA0.00.dwg 2/9/2023 11:20 AM Rick Padua

CONDUIT DOWN

SPEAKER WEATHERPROOF

SMOKE DETECTOR FOR DUCT

MONITOR MODULE FATC FIRE ALARM TERMINAL CABINET

FIRE ALARM CONTROL PANEL

CALIFORNIA STATE FIRE MARSHAL DIGITAL ALARM COMMUNICATOR TRANSMITTER; SECURITY PANEL CONSULTANT

305 South 11th Street

National Strength.

02-120607

ANY WORK TO BE CONCEALED (BURIED, BEHIND WALLS, ABOVE CEILING, BELOW

50% CD 90% CD

FIRE ALARM **GENERAL NOTES** 

02.21.2023

(SOBE 2201690) SHEET#

2) INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMFOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA.  30 UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE E SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR. SYSTEM SHALL BE BEEN IN THE PRESENCE OF A DSA PROJECT INSPECTOR. ON JOB SITE AND USED FOR INSTALLATION.  40 A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON JOB SITE AND USED FOR INSTALLATION.  51 ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.  52 ACHITECT/ENGINEER OF THE PROJECT.  53 ALL PRETENTIONS THE RING. INSPECTION AND JOR TESTING.  54 ALL PRETENTIONS THE ROUGH RATED ASSEMBLES REQUIRING OPENING PROTECT SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED I TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATION WITHIN THE FIRE ALARM SECTION.  54 WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT BO'MINIMUM AND THEIR TOPS AT 36' MAXIMUM FROM FINISHED FLOOR.  55 TO A HORIZONTAL STRUCTURE.  56 WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AND THE ARCHITECTURE.  57 OA HORIZONTAL STRUCTURE.  58 AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DOB), ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHCHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  58 TO A HORIZONTAL STRUCTURE.  59 THE CONTRACTOR SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  50 THE CONTRACTOR SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  50 THE CONTRACTOR SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  51 THE CONTRACTOR SHALL BE STRUCHRONIZED TEMPORAL CODE 3 PATTERN.  51 THE CONTRACTOR SHALL BE STRUCHRONIZED TEMPORAL CODE 3 PATTERN.  51 THE CONTRACTOR SHALL BE SHALL BE SHALL BE SECOND A	2) INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA.  3) UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE E SYSTEM SHALL BE NOTED IN THE PRESENCE OF A DSA PROJECT INSTALLS.  4) A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE BE ON OND STALL BE MAD USED FOR INSTALLATION.  5) ANY DISOREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/FENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PROPER TO THE FIRM INSPECTION AND /OR STSING.  7) ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECT SHALL BE PROVIDED WITH A PENETRATION FIRS STOP SYSTEM AS IDENTIFIED COCK. CHAPTER 7, U. OR OTHER APPROVED LAB TESTING, CRITERIA, PAPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATION WITHIN THE FIRE ALARM MINIMUM AND THEIR TOPS AT 96' MAXIMUM FROM FINISHED HOURS.  8) WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED ALORS AND AND THE REPORT OF THE APPROVED LAB TESTING. CRITERIA, PAPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATION WITHIN THE PROJECT SPECIFICATION MINIMUM AND THO' MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6'TO A HORSTAND AND THE APPROVED THE REPORT OF THE APPROVED THE STOP STATEMENT OF THE TOPS MOUNTED AND THE APPROVED	2) INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLIDING STATE FIRE MARSHAL LISTING NUMBER LACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA.  3) UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTION TEST OF THE E SYSTEM SHALL BE MAD IN THE PRESENCE OF A DAS A PROJECT INSTECTOR.  4) A STAMPED SET OF APPROVED RIFE ALARM DESIGN DOCUMENTS SHALL BE BOOD OF A PROVINCE INSTALLATION.  5) ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DAS AND THE ARCHITECT/SHORLER OF THE PROJECT OR AND THE ARCHITECT/SHORLER OF THE PROJECT OR AND FOR ESTING.  6) DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND FOR TESTING.  7) ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQURING OPENING PROTECT SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED I TOSC CHAPTER 7, U. OR OTHER APPROVED LAB LESTING CRITERIA, PAPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED IN THIS THE PROJECT SPECIFICATION WITHIN THE FIRE ALARM SECTION.  8) WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTONS MOUNTED AT BOT MINIMUM AND THEIR TOPS AT 96" MAXIMUM FROM FINISHED FLOOR.  9) WALL MOUNTED AUDBIE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AND AND AND THEIR TOPS AT 96" MAXIMUM FROM FINISHED FLOOR.  9) WALL MOUNTED AUDBIE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AND AND AND THE AVERAGE AMBIENT SOUND LEVEL OR TYPE DBA ABOVE THE MAXIMUM SOUND LEVEL HAWING A DURENTS SHALL BADD THE AVERAGE AMBIENT SOUND LEVEL OR TYPE DBA ABOVE THE MAXIMUM SOUND LEVEL HAWING AD DURENCE SHALL BADD THE AVERAGE WITH SHALL BADD THE AVERAGE AMBIENT SOUND LEVEL OR THE DEVICES HALL HAWING AD DURENCE SHALL BADD THE DEVICES THE MAXIMUM SOUND LEVEL HAWING AD DURENCE DEVICES WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.  10) HIGH SUPPOSED AND AND EXTERDED FOR PEP SECOND. AND SHOLL DIVISION OF THE PEP SHALL BE SYNCHRONIZED.  11) HIGH SOUNDES SHALL BE SYNCHRONIZED THE DE	<ol> <li>SINSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUM FOR EACH COMPONENT OF THE SYSTEM, HAS BELIN APPROVED BY DSA.</li> <li>JUPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE E SYSTEM SHALL BE MAD IN THE PRESENCE OF A DSA PROJECT INSPECTOR.</li> <li>A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON JOS SITE AND USED FOR INSTALLATION.</li> <li>ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHHECT-PICKINERS OF THE PROJECT.</li> <li>DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FIRM INSPECTION AND /OR TESTING.</li> <li>ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECT SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN THE PROJECT SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN THE PROJECT SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN THE PROJECT SHALL BE PROVIDED WITH SECTION.</li> <li>WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT BIGHT MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR.</li> <li>WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AND AND AND AND AND AND AND AND AND AN</li></ol>		
FOR FACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA.  3 UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE E SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.  4) A STAMPED SET OF APPROVED RIFE ALARM DESIGN DOCUMENTS SHALL BE ON JOB SITE AND USED FOR INSTALLATION.  5) ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.  6) DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 4E HOURS PRONE TO THE FINAL INSPECTION AND JOR TESTING.  7) ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROSES SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED CRC CHAPTER 7, U. OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED LAB TESTING CRITERIA. APPROVED CRC CHAPTER 7, U. OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED WITHIN THE FIRE ALARM SECTION.  8) WALL MOUNTED VISIBLE MOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80° MINIMUM AND THOS' MAXIMUM FROM FINISHED FLOOR.  9) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 80° MOUNTED A STRUCTURE.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DRAW) AND THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM AND THOS' MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6" TO A HORIZONTAL STRUCTURE.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DRAW) ADDITIONS OF A STRUCTURE STRUCTURE.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DRAW) AND THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVINGS A UDICATION OF A TESTERN. THE BUILDING.  10) AUDIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND CLOSER FLOOR AND TO MINIMIZE FALSE ALARMS.  11) AUDIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND THE ADDITION OF THE AVERAGE AMBIENT SOUND FLASHES PER SECOND AND SHOUND THE ADDITION OF THE AVERAGE AMBIENT AND THE AVERAGE AMBIENT SOUND FLASHES PER SECO	FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA.  3) UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST TO THE E SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.  4) A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON JOB SITE AND USED FOR INSTALLATION.  5) ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.  6) DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.  7) ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PORTS SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED CRC CHAPTER, JUL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED WITHIN THE FIRE ALARM SECTION.  8) WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOM WITHIN THE FIRE ALARM SECTION.  8) WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOM AT 90° MINIMUM AND 100° MAXIMUM FROM FINISHED FLOOR.  9) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AND STRUCKED STRUCKERS.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DRA) ABOVE THE AVERAGE AMBIENT SOUND EVEL OR FIVE DBA ABOVE THE AWARD AND AND THE AVERAGE AMBIENT SOUND EVEL OR FIVE DBA ABOVE THE AWARD AND AND THE AVERAGE AMBIENT SOUND EVEL OR FIVE DBA ABOVE THE AWARD AND AND THE AVERAGE AMBIENT SOUND EVEL OR FIVE DBA ABOVE THE AWARD AND AND THE AVERAGE AMBIENT SOUND EVEL OR FIVE DBA ABOVE THE AWARD AND THE AVERAGE AMBIENT SOUND FOR SECONDS, WHITE AND AND AND THE AVERAGE AMBIENT SOUND EVEL OR FIVE DBA ABOVE THE AWARD AND THE AVERAGE AMBIENT SOUND FOR SECONDS.  10) AUDIED EDVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOULD SHOULD SECONDS.  11) AUDIED EDVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOULD	FOR RACH COMPONENT OF THE SYSTEM, HAS BEEN AMPROVED BY DSA.  3) UPON COMPLETION OF SYSTEM INSTALLATION, A SAISFACTORY TEST OF THE E SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.  4) A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON JOB STEE AND USED FOR INSTALLATION.  5) ANY DISCREPANCES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.  6) DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.  7) ALL PENETRATIONS THROUGH RAIED ASSEMBLIES REQUIRING OPENING PROTECTS SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED OBG CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED USED AND THE STANDARD THE STOP SYSTEM AS IDENTIFIED OBG CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED WITHIN THE FIRE ALARM SECTION.  8) WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THER BOTTOM MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THER BOTTOM AT 90° MINIMUM AND THOS MAXIMUM FROM FINISHED FLOOR.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DBA) ABOVE THE AMERICAE AMBIENT SOUND LEVEL OF FIVE DBA ABOVE THE MAXIMUM AND THOS MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6° TO A HORZONTAL STRUCTURE.  11) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DBA) ABOVE THE AMERICAE AMBIENT SOUND LEVEL OF FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL AWAING A DURRATION OF AT LEAST 60 SECONDS, MINIMUM AND THOS MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6° TO A HORZONTAL STRUCTURE.  11) JUDIESE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DBA) ABOVE THE AMERICA AMBIENT SOUND LEVEL OF FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURRATION OF AT LEAST 60 SECONDS, MINIMUM AND THE AMERICA SHALL BE SYNCHRONZED THAN THE BUILDING.  11) JUDIESE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL MAXIMUM SOUND LEVEL AND A SECOND THAN THE SET OF THE MAXIMUM	FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA.  3) UPON COMPETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE E SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.  4) A STAMPED SET OF APPROVED RIRE ALARM DESIGN DOCUMENTS SHALL BE ON JOB SITE AND USED FOR INSTALLATION.  5) ANY DISCREPANCES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDADOS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.  5) DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PROOF TO THE FINAL INSPECTION AND /OR TESTING.  7) ALL PENETRATIONS THROUGH RAIED ASSEMBLES REQUIRING OPENING PROTECT SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CIBC CHAPTER 7, U. OR OTHER APPROVED LAB TESTING CRITERIA APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATION WITHIN THE FIRE ALARM SECTION.  3) WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80° MINIMUM AND THOS MAXIMUM FROM FINISHED FLOOR.  4) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80° MINIMUM AND THOS MAXIMUM FROM FINISHED FLOOR.  4) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED ALD BE AVERAGE AWARDUM FROM FINISHED FLOOR.  5) TO A HORIZONTAL STRUCTURE.  6) TO A HORIZONTAL STRUCTURE.  6) TO A HORIZONTAL STRUCTURE.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBLIS (DRAW) ABOVE THE AVERAGE AWARDUM FROM FINISHED FLOOR AND NO CLOSER 6" TO A HORIZONTAL STRUCTURE.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBLIS (DRAW) ABOVE THE AVERAGE AWARDUM FROM THAN THE BUILDING. WHICHEVER IS GREATER, IN EVERY OCCUPABILE SPACE WITHIN THE BUILDING. WHICHEVER IS GREATER, IN EVERY OCCUPABILE SPACE WITHIN THE BUILDING. WHICHEVER IS GREATER, IN EVERY OCCUPABILE SPACE WITHIN THE BUILDING. WHICH SHALL BUT SHALL BE SYNCHROUNCED THAN DAY SHALL BE DEVICES WITHIN SOUND THE AVERAGE AWARDUM AND THAN SHALL BUT SHALL BUT SHALL BE SYNCHROUNCED THAN SHA	,	
SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.  A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON JOB SITE AND USED FOR INSTALLATION.  ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ASCHITECT/ENGINEER OF THE PROJECT.  DSA, ARCHITECT/ENGINEER OF THE PROJECT.  ACHITECT/ENGINEER OF THE PROJECT.  ACHITECT/ENGINEER OF THE PROJECT.  ACHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 4E HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.  ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION OF THE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM SO ENTITIED DOZE CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATION WITHIN THE FIRE ALARM SECTION.  MALL MOUNTED WISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED A TOO MINIMUM AND THEIR TOPS AT 96' MAXIMUM FROM FINISHED FLOOR.  WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 70' MINIMUM AND THEIR TOPS AT 96' MAXIMUM FROM FINISHED FLOOR.  WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LESST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPABLE SPACE WITHIN THE BUILDING.  THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  THE CONTRACTOR SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  WISHELD EVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUNT AND ADDITIONS.  HE SLOWER HAVE AND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  BUILD REPORTED AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE EXPERIED FOR THE OWNER. AND ADDITIONS ARE ONLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION AS REQUIRED FOR APPLICA	SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.  A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE OF JOB SITE AND USED FOR INSTALLATION.  ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ASCHITECT/ENGINEER OF THE PROJECT.  DSA, ARCHITECT/ENGINEER OF THE PROJECT.  DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 4E HOURS PRIOR TO THE FINAL INSPECTION AND JOR TESTING.  ALL PENETRATIONS THROUGH RATED ASSEMBLES REQUIRING OPENING PROTEC SHALL BE PROVIDED WITH A PENETRATION RIFE STOP SYSTEM SIDENTIFIED CODE CHAPTER 7. UL OR OTHER APPROVED LAB TESTING CRITERIA, APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATION WITHIN THE FIRE ALARM SECTION.  WALL MOUNTED MISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED ADDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 80° MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED PLOOR.  WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AND PROJECT SPECIFICATION OF THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 50 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPRABLE SPACE WITHIN THE BULDING.  JUBBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  THE CONTRACTOR SHALL BAJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  MISIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  THE CONTRACTOR SHALL BAJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  MISIBLE DEVICES SHALL BE STORD FOUND. THE DEVICE SHALL HAVE PULISING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  HOUSE FOR THE SYNCHRONIZED TO FALP FURCE, DO NOT SPICE THE VALUE OF THE ALARM WIRING SHALL BE FIVE THE DEVICE. DO NOT SPICE SHALL BE COVERED	SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.  A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON JOB SITE AND USED FOR INSTALLATION.  AND DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.  B DSA, ARCHITECT/ENGINEER OF THE PROJECT.  B DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.  CHAPTER 7, ULL OR OTHER APPROVED LAB TESTING CHETCH. AS DENTIFIED COC CHAPTER 7, ULL OR OTHER APPROVED LAB TESTING CHITERIA. ASPROVED LYCES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATION WITHIN THE FIRE ALARM SECTION.  WILL MOUNTED WISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED ADDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AS BOT MINIMUM AND THEIR TOPS AT 96" MAXIMUM FROM FINISHED FLOOR.  WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AS BOT MATERIAL SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECISION OF MAXIMUM AND THEIR TOPS AT 96" MAXIMUM FROM FINISHED FLOOR.  AT 90" MINIMUM AND TOO" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6" TO A HORIZONTAL STRUCTURE.  DAUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DEA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVELY IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  THE CONTRACTOR SHALL BAD SYSTIMISTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  MISSIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND HAVE BEEN FROM THE SYSTEM WITHIN THE BUILDING.  TO BE APPROVED FOR WET LOCATIONS.  TO HAVE A SOUND HAVE BEEN FROM THE PROVIDE OF THE PROVIDED OF THE WALL BE TYPE THIN OR THAN ON TH	SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.  JA STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON JOB STE AND USED FOR INSTALLATION.  AND JISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.  B) DSA, ARCHITECT/ENGINEER OF THE PROJECT.  B) DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND JOR TESTING.  C) ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECT SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM SIDENTIFIED IN CHECK CHAPTER 7, ULL OR OTHER APPROVED LAB TESTING CRITERIA, APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE FROJECT SPECIFICATION WITHIN THE FIRE ALARM SECTION.  B) WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED TO THE TOP THEIR TOPS AT 36" MAXIMUM FROM FINISHED FLOOR.  B) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUN AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR.  B) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUN AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6" TO A HORIZONTAL STRUCTURE.  B) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUN AT 90" MINIMUM FROM FINISHED FLOOR.  AND OWN HERE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY COCUPHABLE SPACE WITHIN THE BUILDING.  B) WALL MOUNTED WITH A SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  B) WISHED DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  B) WISHED DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  B) WISHED DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  B) WISHED DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  B) WISHE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOULD NOT SYSTEM RECOND TO BE APPROVED FOR THE DEVICE SHALL HAVE, A PARTENIAL SYSTEM WINNESS HALL B		
JOB SITE AND USED FOR INSTALLATION.  ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE RACHITECT/ENGINEER OF THE PROJECT.  BY ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECT SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED COC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA, APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE FIRE ALARM SECTION.  WALL MOUNTED WISHEL NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AND HOLD TO THE STOP STATE AND THE PROJECT SPECIFICATION WITHIN THE FIRE ALARM SECTION.  WALL MOUNTED AUBIEL NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT BO' MINIMUM AND THEIR TOPS AT '96" MAXIMUM FROM FINISHED FLOOR.  WALL MOUNTED AUBIEL NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6" TO A HORIZONTAL STRUCTURE.  AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DIVATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPINABLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE STYNCHRONIZED TEMPORAL CODE 3 PATTERN.  AND TO MINIMUZE FALSE ALARMS.  13) MISIBLE DEVICES SHALL BE STYNCHRONIZED TEMPORAL CODE 3 PATTERN.  AND TO MINIMUZE FALSE ALARMS.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE STYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FOLDE FIPE (FIPE PERPE FIRE DEVICE SHALL HAVE POWER LIMITED OR FIRE POWER LIMITED ON THE STRUCK S	JOB SITE AND USED FOR INSTALLATION.  ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED. STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ACCURATION OF THE STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE HOURS PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED COC CHAPTER, JUL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE INSTITIED WITHIN THE PROJECT SPECIFICATION WITHIN THE FIRA ALARM SECTION.  WALL MOUNTED MISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AS BOY MINIMUM AND THEIR TOPS AT 96" MAXIMUM FROM FINISHED FLOOR.  WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS AND	JOB SITE AND USED FOR INSTALLATION.  ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ACMITECT/ENGINEER FOR AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND JOR TESTING.  ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECT SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED CORE CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA, APPROVED TYPES OF MATERIALS HALL BE IDENTIFIED WITHIN THE FIRE ALARM SECTION.  WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80° MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR.  WALL MOUNTED AND ADDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS AT 90° MINIMUM AND 100° MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6° TO A HORIZONTAL STRUCTURE.  AND ALD SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE AVERAGE AVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE STYNCHRONZED TEMPORAL CODE 3 PATTERN.  112) THE CONTRACTOR SHALL BE STYNCHRONZED THE AVERAGE STADE STRUCK THE AVERY SECOND THE DEVICE SHALL HAVE PULSING LICHT SOURCE ON THE STATE AVERY SECOND THE DEVICE SHALL HAVE PULSING LICHT SOURCE ON THE STATE AVERY SECOND THE DEVICE SHALL HAVE PULSING LICHT SOURCE ON THE STATE AVERY SECOND THE STATE AVERY SECOND THE STATE AVERY SECOND THE STATE AVERY SECOND THE STATE AVERY	JOB SITE AND USED FOR INSTALLATION.  5 ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ACCOUNTY.  50 DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.  77 ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECT SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN COC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA, APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATION WITHIN THE FIRE ALARM SECTION.  8 WALL MOUNTED WISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR ROTTOMS MOUNTED AT 80° MINIMUM AND THEIR TOPS AT 36° MAXIMUM FROM FINISHED FLOOR.  9 WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90° MINIMUM AND 100° MAXIMUM FROM FINISHED FLOOR.  100 AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBLISM OF 10 AUDIBLE DEVICES SHALL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPINABLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM. AND TO MINIMIZE FALSE ALARMS.  13) WISHEL DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUNT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULLISH OLDER SOUND AND EXTERIOR CONDUITS TO HAVE WATER THINT THE BUILDING.  14) UNDERCROUND AND EXTERIOR CONDUITS TO HAVE WATER THEM THE DEVICE SHALL HAVE A PULLISH OLDER SOUND AND EXTERIOR CONDUITS TO HAVE WATER THEM THE SHALL BE SYNCHRONIZED.  16) POR EACH OTHER SHALL BE SYNCHRONIZED.  17) MORE CROWN AND STEPIOR CONDUITS TO HAVE WATER THEM THE SUILDING. THE OWNER LIMITED OR FIRE POWER LIMITED OR DISCUSSION FOR THE OWNER.  18) ALL FIRE ALARM WIRING SHALL BE FIRE DEVICE, DO NOT SPICES SHALL BY POWER LIMITED AND EXTERIOR CORDUIT SHALL BE FROME SHALL BE ALARM CONTROL TO BE LASE	3)	
STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.  DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.  ALL PERHAPITATIONS THROUGH RATED ASSEMBLES REQUIRING OPENING PROTECT SHALL BE PROVIDED WITH A PENEIRATION FIRE STOP SYSTEM AS IDENTIFIED IN CIGO CHAPTER, JUL OR OTHER APPROVED LAB TESTING CRITERIA, APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATION MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80° MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR AND NO CLOSER B'TO ON HORIZOTAL STRUCTURE.  WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90° MINIMUM AND 100° MAXIMUM FROM FINISHED FLOOR AND NO CLOSER B'TO ON HORIZOTAL STRUCTURE.  WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED STRUCTURE TO ON THE PROVIDE AS SHALL HAVE THEIR TOPS MOUNTED STRUCTURE.  WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED STRUCTURE.  AND JOB MAN THE WARRAGE AMBIENT SOUND LEVEL OF FIVE DBA ABOVE THE WARRAGE AMBIENT SOUND LEVEL OF FIVE DBA ABOVE THE WARRAGE AMBIENT SOUND LEVEL OF FIVE DBA ABOVE THE WARRAGE AMBIENT SOUND LEVEL OF FIVE DBA ABOVE THE WARRAGE AMBIENT SOUND LEVEL OF FIVE DBA ABOVE THE WARRAGE AMBIENT SOUND LEVEL OF FIVE DBA ABOVE THE WARRAGE AMBIENT SOUND LEVEL OF FIVE DBA ABOVE THE WARRAGE AMBIENT SOUND LEVEL TO FIVE DBA ABOVE THE WARRAGE AMBIENT SOUND LEVEL TO THE WARRAGE STALL PROVIDED AND THE SUBJECT OF FIVE PROVIDED AND THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  13) WISIBLE DEVICES SHALL BE SYNCHRONIZED.  14) WISIBLE DEVICES SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  15) HALL FIRE ALARM WIRING SHALL BE FYLOCATIONS. THE DEVICE SHALL HAVE DAYS OF THE MARKAGE OF THE MARKAGE OF THE MARKAGE OF THE M	STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.  6) DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.  7) ALL PENTATIONS THROUGH RATED ASSEMBLES REQUIRING OPENING PROTECT SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA, APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED UNITHIN THE PROJECT SPECIFICATION OF THE ALARM SECTION.  8) WALL MOUNTED HISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80° MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR.  9) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90° MINIMUM AND 100° MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6° TO A HORIZONTAL STRUCTURE.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DBA) ABOVE THE WEREAGE MIBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MEMORE AMBIVED AND THE MEMORY AND THE	STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.  B) DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.  JALL PENETATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECT SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED 1 COC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA, APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATION OF THE FORT OF THE ALARM SECTION.  WALL MOUNTED MISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80° MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR.  WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUTH AT 90° MINIMUM AND 100° MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6° TO A HORIZONTAL STRUCTURE.  WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUTH AT 90° MINIMUM AND 100° MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6° TO A HORIZONTAL STRUCTURE.  (DBA) ABOVE THE AVERAGE AMBIENT SOUND EVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 50 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  JAUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  JAUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  AND TO MINIMIZE FALSE ALARMS.  MINIMIZE FALSE ALARMS.  WISHBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOLN NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE PULSING LIGHT SOUNGE FOR APPLICATION, WIRING IN CONDUIT ABOVE GROUND ANY BE TYPE THAN OR THAN 15 CANDELLA VISIBLE DEVICES WITH 55° FROM EACH OTHER SHALL BE SYNCHRONIZED.  MIN DEPREMENTED PLEIDING AS REQUIRED FOR APPLICATION, WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THAN OR THAN 1. FROM FIRE PLAYER CONTINUED OR FIRE POWER LIMITED OR REPOWED FOR WELL SHALL BY THE CONTINUE OF THE MAXIMUM AS REQUIRED FOR APPLICATION, WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THAN OR THAN.  MIN DEPREMENTED PLEIDING AS REPORTED FOR THE AL	STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.  5) DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.  7) ALL PENETATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECT SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA, APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATION OF THE ALARM SECTION.  8) WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AS OF MINIMUM AND THEIR TOPS AT 96" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6" TO A HORIZONTAL STRUCTURE.  9) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUN AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6" TO A HORIZONTAL STRUCTURE.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (DRA) ABOVE THE AVERAGE AMBIBINT SOUND LEVEL OR FIVE DRA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM. AND TO MINIMIZE FALSE ALARMS.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND TO BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE, PULLSHING THE SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TICHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FRUE FULL FIRE POWER LIMITED OR FIRE POWER LIMITED OR THAN 15 CANDELLA. VISIBLE DEVICES WITH STORED FOR WET LOCATIONS.  16) POWER LIMITED PLEIDUM AS REQUIRED FOR APPLICATION, WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THEN OR THEWN.  17) AND THE PROPORED FOR WET LOCATIONS.  18) ALL FIRE ALARM WIRING SHALL BE FROM THE CONTROL OF THE BURNELS FOR WALL BURNELS TO BE SIZED PER CC.  19) AND THE STANDARD SHALL B	4)	
ARCHITECT/ENGINEER OF THE PROJECT.  6) DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.  7) ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTEC SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN COLOR OF A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN COLOR OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATION WITHIN THE FIRE ALARM SECTION.  8) WALL MOUNTED WISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED A TIBOT MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR.  9) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90° MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR.  9) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AND NO CLOSER 6° TO A HORIZONTAL STRUCTURE.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAWING A DURATION OF AT LEAST 60 SECONDS, WHICHCHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BULDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUNT BE SUCKED SHALL HAVE PULISING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55° FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FYDER FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED DEFECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALLE BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTIORS SHALL NOT BE ANY CLOSER THAN 1° FROM FIRE SPRINKL OR 3° FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAINATION ON PETIL SYSTALLED FIRE ALARM DAVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED	ARCHITECT/ENGINEER OF THE PROJECT.  6) DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PROR TO THE FIRMAL INSPECTION AND JOR TESTING.  7) ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTEC SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN COLOR OF MATERIALS SHALL BE DENTIFIED IN THE STOP SYSTEM AS IDENTIFIED IN THE STOP SYSTEM AS IDENTIFIED IN THE STOP SYSTEM AS IDENTIFIED IN THE FIRE ALARM SECTION.  8) WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOWS MOUNTED A UDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOWS MOUNTED A UDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90° MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR.  9) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90° MINIMUM AND 100° MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6° TO A HORIZONTAL STRUCTURE.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DEGIBLE (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICH-EVER IS GRACIER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND IN STREED SHALL PROVIDE AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FYLOR FIPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLETCH HIN OR THINN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE FUILED THROUGH EACH JUNCTIO BE APPROVED FOR WET HOR OR THINN.  17) SHOWE DETECTIORS SHALL NOT SE ANY CLOSER THAN 1° FROM FIRE SPRINKL OR 3° FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAWAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM,	ARCHITECT/ENGINEER OF THE PROJECT.  6) DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.  7) ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECT SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN COMPATER 7, UL OR OTHER APPROVED LAS TESTING CRITERIA, APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATION WITHIN THE FIRE ALARM SECTION.  8) WALL MOUNTED WISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED A T80" MINIMUM AND THEIR TOPS AT 96" MAXIMUM FROM FINISHED FLOOR.  9) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6" TO A HORIZONTAL STRUCTURE.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DEGIBEL (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAWING A DURATION OF AT LEAST 60 SECONDS, WHICHCHEVER IS GREATER, IN EVERY OCCUPRABLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  3) MISBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND IN THE SOURCE SHALL HAVE PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55" FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FYDOR FIPLP (FIRE POWER LIMITED OR FIR POWER LIMITED DERECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO SHALL NOT DE RESIDED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) MOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1" FROM FIRE SPRINKL OR 3" FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAINATION ON NEWLY STALLE BE FIRE	ARCHITECT/ENGINEER OF THE PROJECT.  5) DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE RINAL INSPECTION AND /OR TESTING.  7) ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECT SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CRECK CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA, APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATION WITHIN THE FRO JECT SPECIFICATION WITHIN THE FRO JECT SPECIFICATION WITHIN THE PROJECT SPECIFICATION OF AT 90° MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR.  8) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS AT 90° MINIMUM AND 100° WAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6° TO A HORIZONTAL STRUCTURE.  10) AUDIBLE DEVICES SHALL PROWDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (DBA) ABOVE THE AVERAGE AWBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DICATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIRABLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM. AND TO MINIMIZE FALSE ALARMS.  3) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND THE SEASE ALARMS.  3) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND THE SEASE ALARMS.  3) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND THE SEASE ALARMS.  3) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND THE SEASE ALARMS.  3) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND THE SEASE ALARMS.  3) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND THE SEASE ALARMS.  4) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WELL TOORD THE PROVIDE SHALL BE SYNCHROWED THE PROVIDE OF THE	5)	
HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.  ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTEC SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED I COC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATION WITHIN THE FIRE ALARM SECTION.  WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80° MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR.  WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90° MINIMUM AND 100° WAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6° TO A HORIZONTAL STRUCTURE.  MADIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  THE CONTRACTOR SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATERN.  THE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATERN.  THE SHOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55′ FROM EACH OTHER SHALL BE SYNCHRONIZED.  WINDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR MET LOCATIONS.  JURGE SHALL HAVE PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55′ FROM EACH OTHER SHALL BE SYNCHRONIZED.  WORD BE APPROVED FOR WE TYPE THEN OR THIWN.  MORE PROVED FOR WE TYPE THEN OR THIWN.  SO MAD CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALLE BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALLE BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALLE BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALLE BOX STORES SIZED PER CALC. THE ALARM. PROVICES SHALL BY SPECIFICATION ON NEWLY INSTALLED FIRE ALARM PROVICES SHALL BY SPECIFICATION ON PROSTED FOR THE VALEM PROVICES SHALL BY COVERED UNTIL THAT AREA IS READY	HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.  ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTEC SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CREAM PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CREAM PROVIDED WITHIN THE PROJECT SPECIFICATION WITHIN THE FIRE ALARM SECTION.  WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT BO' MINIMUM AND THEIR TOPS AT 96' MAXIMUM FROM FINISHED FLOOR.  WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 90' MINIMUM AND 100' MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6' TO A HORIZONTAL STRUCTURE.  AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPRIBLE SPACE WITHIN THE BUILDING.  THE CONTRACTOR SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATERN.  THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  WISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUNCE BY SURVEY PROVIDED FOR WELL TO BE SECOND SHOUNCE WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.  WITHOUT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.  WINDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WE'L LOCATIONS.  MICH SECOND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WE'L LOCATIONS.  MICH SECOND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WE'L LOCATIONS.  MICH SECOND AND SETTING SHALL BE FILE FURDED FIRE DEVICE. DO NOT SPLICE THE VAIL BE SECOND FOR SETTING FOR THE VAIL BE COVERED FOR ME'L TO EACH FIRE DEVICE. DO NOT SPLICE THE VAIL BE SECOND FOR SETTING FOR THE VAIL BUSING IN CONDUIT. THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  MICH SECOND FOR WE'L THE HAND OR THINN.  BYSIEMS SETTING WHEN NOTED AS EXPOSED ON DESIGN DOUGHEN	HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.  7) ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECT SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CREEK PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CREEK PROVIDED WITHIN THE PROJECT SPECIFICATION WITHIN THE FIRE ALARM SECTION.  8) WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80° MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR.  9) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80° MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHCYCER IS CREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND INSTALL AND MINIMIZE FALSE ALARMS.  14) HOURS FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE SYNCHRONIZED.  16) PURSUAGE CONDUIND AND EXTREMIC POPULATED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CCC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL BOX AND TO BE SIZED PER CCC.  18) SMOKE DETECTOR SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL BOX AND STATE A PAPEL. AND CONNECTED THE VALL BOXES TO BE SIZED PER CCC.  19) SMOKE DETECTOR SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL BOX AND FOR EXPOSED CITCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SUFFACE RACEWAY OR OPERMITED WHEN NOTED AS	HOURS PRIOR TO THE FINAL INSPECTION AND JOR TESTING.  ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECT SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED III CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATOR WITHIN THE FIRE ALARM SECTION.  WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80° MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR.  WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUN AT 90° MINIMUM AND 100° MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6° TO A HORIZONTAL STRUCTURE.  AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBES (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  THE CONTRACTOR SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  THE STATE OF THE AVERGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE AVERGE SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND THE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE, PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA, VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.  HOUSE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE, PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA, VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.  HUNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  SOURCE CONTONING SHALL BY THE HIND OR THWN.  SOURCE CONTONING SHALL BY TYPE THIN OR THWN.  ABOVE GROUND MAY BE TYPE THIN OR THWN.  FOR EACH CONTONING SHALL BY THE BENEFIT OF THE WALL BY SUFFER SHALL BE SECURED TO SECOND COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE GWINER OVER TO THE CONTON. ON THE DEVICE SHALL BY SECURED TO THE WALL BAND FOR THE WALL BY SUFFER SHALL BE IN CONDUITS. SHALL BE SECURED TO MOU SUFFACES PER MANUFACTURES SHALL BE IN	6)	ARCHITECT/ENGINEER OF THE PROJECT.
SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED I COC CHAPTER 7, U. D. OR OTHER APPROVED LAS TESTING CRITERIA, APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATION WITHIN THE FIRE ALARM SECTION.  8) WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80° MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR.  9) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS AT 90° MINIMUM AND 100° MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6° TO A HORIZONTAL STRUCTURE.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAWING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPABILE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND THE SUCURE SHOULD NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THEN OR THAWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTIO BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BY COVERED UNTIL THAT AREA IS RECOVED TO DESIGN DOCUMENTS. EXPOSED CON THE DEVICE SHALL BY SHALL BY ENDICATED WITH PROVI	SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED COC CHAPTER 7, U. D. OR OTHER APPROVED LAB TESTING CRITERIA, APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATION WITHIN THE FIRE ALARM SECTION.  8) WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80° MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR.  9) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90° MINIMUM AND 100° MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6° TO A HORIZONTAL STRUCTURE.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND THE SUCCES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND THE SUCCES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND THE SUCCES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND THE SUCCES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THEN OR THEW.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTIO BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. ON NOT SPLICE THE VALL BOXES TO BE SIZED PER GEC.  17) SMOKE DETECTORS SHALL BY THE THEN OR THEM. OR THE DEVICE SHALL BY COVERED UNTIL THAT AREA IS REFOUND TO SHALL BE SECURED TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL B	SHAIL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED I DOC CHAPTER 7, JU DOR OTHER APPROVED LAS BESTING CRIERRIA, APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATION WITHIN THE PRE ALARM SECTION.  8) WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80° MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR.  9) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS AND ON A HORIZONTAL STRUCTURE.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND TO BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE, PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION, MIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHIN OR THAVE.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL, OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS RECOYD TO BE CONCERN. A PARE AND LONGER FLOORS AND IN WALLS IN A NEAT AND POTTEC LOWER SHALL BE ENCEDED FROM THE EVICE SHAL	SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFICED TO COC CHAPTER 7, JUL OR OTHER APPROVED LAB TESTING CRIERIA, APPROVED LA DYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATION WITHIN THE FIRE ALARM SECTION.  BY WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80° MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR.  WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUN AT 90° MINIMUM AND 100° MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6° TO A HORIZONTAL STRUCTURE.  (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM. AND TO MINIMIZE FALSE ALARMS.  13) WISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND TO MINIMIZE FALSE ALARMS.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE SPLOR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHIN OR THAVE.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1° FROM FIRE SPRINKLI OR 3° FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLI DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS RECIPIED FOR WHE LOCATION OR POSSIBLI DAMAGE/CONTROLTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WAND AS TROUBLED FOR ANY CLOSER THAN 1° FROM FIRE SPRINKLI OR 3° FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTIO	,	HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.
8) WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80° MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR.  9) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90° MINIMUM AND 100° MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6° TO A HORIZONTAL STRUCTURE.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND LEXEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOL NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55° FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED OR THEN ABOVE GROUND MAY BE TYPE THIN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTIO BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1° FROM FIRE SPRINKL OR 3° FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOL SUFFACES PER MANUFACTURES SHALL BE IN CONDUIT, SUFFACE RECEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS.	8) WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80° MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR.  9) WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90° MINIMUM AND 100° MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6° TO A HORIZONTAL STRUCTURE.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND LEVEL OR FIVE DEA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPRIBLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATERN.  12) THE CONTRACTOR SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATERN.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOL NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55° FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THIN OR THAN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTIO BOX AND CONNECTED DIRECTLY TO FACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1° FROM FIRE SPRINKL OR 3° FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BIC COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOI SUFFICE THE OWNER. SHALL BE SECURED TO THE OWNER.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOI SUFFICE SHALL BE RECOVED TO BE LOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED FIRE ALARM. CONTINC SHALL BE RECOVED TO SELIC HERE ALARM. COMMUNICATION SYSTEM (CONTRACTOR SHALL BE RECEITED AND V	WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80° MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR.  WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUI AT 90° MINIMUM AND 100° MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6° TO A HORIZONTAL STRUCTURE.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND LEXEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND TO BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55° FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED OR FIR POWER LIMITED OR WITH ABOVE GROUND MAY BE TYPE THHN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM (PRICITIS SHALL BE IN CONDUIT, SUFFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS. SHALL BE SECURED TO MIC. SUFFACES PER MANUFACTURE SHALL BE IN CONDUIT, SUFFACE RACEWAY OR OPE FIRE ALARM PAPEL, REMOTES, AND COMPONENTS SHALL BE SECURED	MALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80° MINIMUM AND THEIR TOPS AT 96° MAXIMUM FROM FINISHED FLOOR.  WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUN AT 90° MINIMUM AND 100° MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6° TO A HORIZONTIAL STRUCTURE.  (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  13) MISIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  14) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM. AND TO MINIMIZE FALSE ALARMS.  13) MISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOU NOT BE SLOWER THAN ONE FLASH EVERY SECOND, THE DEVICE SHALL HAVE */  PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55° FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERFORDUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED DEFINED) AS REQUIRED FOR A PPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THIN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE W ALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1° FROM FIRE SPRINKLE OR 3° FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MUST SHALL BE FIRE ALARM CIRCUIT SHALL BE IN CONDUIT, SUFFACE RACEWAY OR OPEI MAND ACTUITS SHALL BE IN CONDUIT, SUFFACE RACEWAY OR OPEI FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE INSTALLED FI	7)	SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED I CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIO
AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6" TO A HORIZONTAL STRUCTURE.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPABLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FAISE ALARMS.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLEAUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THHN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL FOR ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC CONTROL OF THE NOTE OF THE ALARM DEVICES SHALL BE SEED DEVICED ON DESIGN DOCUMENTS.  19) FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC OWNER BY THE MOST OF THE MOST OF THE FORM OF THE FIR	AT 90° MINIMUM AND 100° MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6° TO A HORIZONTAL STRUCTURE.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIBALE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTIO BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL FOR ALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL PROVIDED FIRE ALARM, DEVICES SHALL PROVIDED LOWER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CELINOS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  19) FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CELINOS, UNDER F	AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6" TO A HORIZONTAL STRUCTURE. 10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL: (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING. 11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN. 12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS. 13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE, PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED. 14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS. 15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN. 16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC. 17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BC COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE WOMEN. 18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CELLINGS, UNDER FLOORS AND IN WALLS IN A NEXT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. SHALL BE SECURED TO MOS SUFFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICES SHALL ETTAL AND PROTEC TO BLOCK THE HADALE IN THE "ON" POSTION, THE CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL BE LABELED "FIRE ALARM CONTROL PARELS AND COMPONEN	AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER 6" TO A HORIZONTAL STRUCTURE.  10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OF FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM. AND TO MINIMIZE FALSE ALARMS.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUN NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE 7 PULSING LIGHT SOURCE NOT LESS THAN 15 CANPELLA. VISIBLE DEVICES WITHING STAND TO BE APPROVED FOR WET LOCATIONS.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLI OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEI RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECT MANOR AS INDICATED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SUFFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL DE 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL BE LABELED FIR	8)	WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80" MINIMUM AND THEIR TOPS AT 96" MAXIMUM FROM FINISHED
10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUNOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE PULSING LIGHT SOUNCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THANN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SUFFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOL SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE INSCRIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE AN EFOL LOCKING DEVICE TO BLOCK THE H	<ul> <li>10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.</li> <li>11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.</li> <li>12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.</li> <li>13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUNDT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.</li> <li>14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.</li> <li>15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.</li> <li>16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTIO BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.</li> <li>17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BIC COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.</li> <li>18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SUFFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.</li> <li>19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOL SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL BE DERECIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON"</li></ul>	10) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBE:  (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  111) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE. PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND 15 DE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THIWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE V ALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM (RICUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOL SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLES. THE BREAKER SHALL	(DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING. WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM. AND TO MINIMIZE FALSE ALARMS.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOU NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THEWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLED OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEI MANOR AS INDICATED ON DESIGN DOCUMENTS. SEPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUS SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL ED 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL BE LABELED "FIRE ALARM CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM COMPLIANCE CORDUINES HALL BE ACCES	9)	AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER
WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. SHAPED SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E THIS CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOS SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E THIS CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE RECORD COMPLETION' PER PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO BE LABBLE FIRE PANEL/EXTENDERS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDE A COMP	WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  11) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND TO BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTIO BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BI COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. SHALLS BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL BY THIS CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E THIS CIRCUIT SHALL BE PREVIOUR FOR THE ALARM EQUIPME THIS CIRCUIT SHALL BE REPROTED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE REPROTED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE REPROTEDED FOR FIRE ALARM EQUIPME THIS CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSTION. THE CIRCUIT BREAKER SHALL B	WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  111) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  121) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  132) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.  143) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  144) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  155) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  166) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE, DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  177) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  186) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CELLINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. SHALL BE SECURED TO MOU SUFFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL ELED LIBER SECURED TO MOUSURE SPECIFICATIONS. NO SINGLE DEVICE SHALL ELED LIBER SWITHOUT SPECIAL MOUNTING DETAILS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUSURE SHALL BE RECURED TIPE ALARM COUTTS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, HAD COMPONENTS SHALL BE SECURED TO BE LABELE FIRE PANEL/EXTENDERS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDE FOR FIRE	WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.  111) AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.  122) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM. AND TO MINIMIZE FALSE ALARMS.  133) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOU NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITHI 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.  144) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  155) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  166) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WALL BOXES TO BE SIZED PER CEC.  177) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLI OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLI DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  186) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEI RUN ABOVE CELINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECT MANOR AS INDICATED ON DESIGN DOCUMENTS. SHALL BE SECURED TO MOU SUFFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL BE THIS CIRCUIT SHALL BE PREVIOLED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE RENEGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSTION. THE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSTION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CONTROL" RIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLIB ELECTIONS 11B—305 AND 11B—308.  220) A DEDICATED SHANCH CIRCUIT SHALL PROVIDE A CO	10)	AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBEL (DBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE DBA ABOVE THE
12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUNT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNIT THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CELINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOL SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON' POSTION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIAT	12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUNT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTIO BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOL SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE AND UNC	12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM AND TO MINIMIZE FALSE ALARMS.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND TO BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOL SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXPOSED ON DESIGN DOCUMENTS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELLED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHA	12) THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM. AND TO MINIMIZE FALSE ALARMS.  13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOU NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITHINGS' FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLE OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEING ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECT MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXECUTED WITHOUT SPECIAL MOUNTING DETIALS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" FOR THE ALARM CONTROL PANELS AND REMOTE AND VERTEED FLOOR.  23) MIC	11)	WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.
<ul> <li>13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUNOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.</li> <li>14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.</li> <li>15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.</li> <li>16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.</li> <li>17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.</li> <li>18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.</li> <li>19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOL SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.</li> <li>20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSTITION. THE CIRCUIT BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.</li> <li>21) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.</li> <li></li></ul>	<ul> <li>13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUNDT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.</li> <li>14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.</li> <li>15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.</li> <li>16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTIO BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.</li> <li>17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.</li> <li>18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.</li> <li>19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOL SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.</li> <li>20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK HE HANDLE IN THE "ON' POSITION. THE CIRCUIT BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.</li> <li>21) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.</li> <li>23)</li></ul>	<ul> <li>13) VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUNOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITH 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.</li> <li>14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.</li> <li>15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.</li> <li>16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.</li> <li>17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.</li> <li>18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.</li> <li>19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOL SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.</li> <li>20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING ENERGY TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.</li> <li>21) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERMISORY MONITORING PER CBC SECTION 911.6.2.</li> <li></li></ul>	NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.  14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THINN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLING OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLI DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEI RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC' MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXAMELY BE AND PROTEC' MANOR AS INDICATED ON DESIGN DOCUMENTS. THE LICCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLE WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—305.  24) THE INSTALLING CONTRA	,	THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORM
14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT BREAKER SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INST	14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTIO BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAWAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BI COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOL SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION S	14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOL SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E: 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE REVERSED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM PEOGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  23) SUPERVISORY M	14) UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIRI POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLE OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEI RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC' MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EVAD LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENCERTIONS. THE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLI WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED I	13)	VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOUND BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE
TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFFA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 111B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SU	TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTIO BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BI COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOL SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFFA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS	TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIR POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E: 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL ANI SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND	TO BE APPROVED FOR WET LOCATIONS.  15) ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIRI POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THIN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLE OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEI RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC' MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EVELOUES. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFFA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLI WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTE	14)	
POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SUFFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.	POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTIO BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BI COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOL SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING PER CBC SECTION 901.6.2.	POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE VALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOL SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXAMPLE OF THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING PER CBC SECTION 901.6.2.	POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.  16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLE OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SUFFACE RACEWAY OR OPEI RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC' MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXECUTED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLI WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.  26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN	,	TO BE APPROVED FOR WET LOCATIONS.
16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.	16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTIO BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE NALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSTITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.	16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXOURTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM. COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING FER CBC SECTION 901.6.2.  26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING	16) PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLE OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLED DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEI RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECT MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXECUTED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXECUTED TO MOUNTAIN SHALL BE ENCHOLD FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLI WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.	10)	POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT
ALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.	ALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORE SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.	ALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKL OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUSURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXPOSED LIBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.	ALL BOXES TO BE SIZED PER CEC.  17) SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLE OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEI MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXIST OF SECURIOR OF SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXIST OF SECURIOR OF SECURIO	16)	PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTIO BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE V
OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.	OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORF SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.	OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXAMPLE OF THE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.	OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.  18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEI RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC' MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXECUTED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLI WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.	17)	ALL BOXES TO BE SIZED PER CEC.
<ul> <li>18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.</li> <li>19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUSURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.</li> <li>20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL ANI SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.</li> <li>21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.</li> <li>22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.</li> <li>23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.</li> <li>24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.</li> <li>25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.</li> <li>26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN</li> </ul>	<ul> <li>18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.</li> <li>19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.</li> <li>20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELED FIRE PANEL/EXTENDERS.</li> <li>21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.</li> <li>22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.</li> <li>23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.</li> <li>24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.</li> <li>25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORE SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.</li> <li>26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN</li> </ul>	<ul> <li>18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPE RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.</li> <li>19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUSURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXPOSED ON DESIGN DOCUMENTS.</li> <li>20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.</li> <li>21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.</li> <li>22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.</li> <li>23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.</li> <li>24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.</li> <li>25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.</li> <li>26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN</li> </ul>	<ul> <li>18) ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEL RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTEC' MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.</li> <li>19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXID 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.</li> <li>20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.</li> <li>21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.</li> <li>22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLIWITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.</li> <li>23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.</li> <li>24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.</li> <li>25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.</li> <li>26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN</li> </ul>	· <i>)</i>	OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBL DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE
MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.	MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORE SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.	MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXAMPLES.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.	MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.  19) FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOU SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EX 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLI WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.	18)	
SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL ANI SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.  26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN	SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORE SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.  26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN	SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXECUTED BROWN SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL ANI SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.  26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING	SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EX 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.  20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLI WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.  26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN		MANOR AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY
<ul> <li>20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL ANI SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.</li> <li>21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.</li> <li>22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.</li> <li>23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.</li> <li>24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.</li> <li>25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.</li> <li>26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN</li> </ul>	<ul> <li>20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.</li> <li>21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.</li> <li>22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.</li> <li>23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.</li> <li>24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.</li> <li>25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORE SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.</li> <li>26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN</li> </ul>	<ul> <li>20) A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.</li> <li>21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.</li> <li>22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.</li> <li>23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.</li> <li>24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.</li> <li>25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.</li> <li>26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN</li> </ul>	A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPME THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLI WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.  26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN	19)	SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL E
THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL ANI SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.  26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN	THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORE SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.  26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING	THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL ANI SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B—305 AND 11B—308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.  26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN	THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL." CIRCUIT ID TO BE LABELE FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLI WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.  26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN	20)	20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.	FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.	FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.	FIRE PANEL/EXTENDERS.  21) THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLI WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.		THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AN SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER
COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.	COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.	COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALL WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.	COMPLETION" PER NFPA 72, FIGURE 17.8.2.  22) FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLING WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.  23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.  26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN	01)	FIRE PANEL/EXTENDERS.
<ul> <li>WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.</li> <li>23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.</li> <li>24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.</li> <li>25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.</li> <li>26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN</li> </ul>	<ul> <li>WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.</li> <li>23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.</li> <li>24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.</li> <li>25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORF SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.</li> <li>26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN</li> </ul>	<ul> <li>WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.</li> <li>23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.</li> <li>24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.</li> <li>25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.</li> <li>26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN</li> </ul>	<ul> <li>WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.</li> <li>23) MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.</li> <li>24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.</li> <li>25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.</li> <li>26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN</li> </ul>		COMPLETION" PER NFPA 72, FIGURE 17.8.2.
SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.  26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN	SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORF SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.  26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN	SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.  26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN	SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE CBC SECTIONS 11B-305 AND 11B-308.  24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.  25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.  26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN	,	WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.
<ul> <li>24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.</li> <li>25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.</li> <li>26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN</li> </ul>	<ul> <li>24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.</li> <li>25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORF SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.</li> <li>26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN</li> </ul>	<ul> <li>24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.</li> <li>25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.</li> <li>26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN</li> </ul>	<ul> <li>24) THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.</li> <li>25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.</li> <li>26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN</li> </ul>	23)	SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE
25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST. 26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN	25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST. 26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN	25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST. 26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN	<ul><li>25) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORR SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.</li><li>26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN</li></ul>	24)	
SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.  26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN	SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.  26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN	SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.  26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN	SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.  26) OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORIN	25)	
					SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
				20)	

## FIRE ALARM LEGEND

SYMBOL	DESCRIPTION	MODEL #	CSFM #	BACK BOX	MANUFACTURER
FACP	FIRE ALARM CONTROL PANEL W WITH MODEM/DIALER INTERFACE	EST 3	7165-1657:306 7165-1657:186	MFR. SPECIFIC	EST
RPS	BOOSTER POWER SUPPLY WITH BUILT-IN SYNC	BPS-10A	7300-1657:229	MFR. SPECIFIC	EST
(2)	CEILING MOUNTED FIRE ALARM SMOKE DETECTOR DETECTOR / BASE	SIGA-PD	7272-1657:331	SEE INSTALLATION MANUAL	EST
6	CEILING MOUNTED HEAT DETECTOR 135° FIXED/RATE DETECTOR / BASE	SIGA-HRD	7270-1657:333	SEE INSTALLATION MANUAL	EST
	HVAC DUCT DETECTOR AND HOUSING	SIGA-SD	3242-1657:223	SEE INSTALLATION MANUAL	EST
ММ	MONITOR MODULE	SIGA-CR/ SIGA-CRH	7300-1675:121	SEE INSTALLATION MANUAL	EST
F	MANUAL PULL STATION	SIGA-270	7150-1657:129 7150-1657:256	SEE INSTALLATION MANUAL	EST
<b>▽</b> 75	FIRE ALARM COMBO HORN/STROBE 15cd,30cd,75cd,110cd	G1RF-HDVM	7125-1657:0284	4x4x21/8", SINGLE GANG, DOUBLE GANG, 4" OCTAGON	EST
WP	WEATHERPROOF HORN WITH LISTED WEATHERPROOF BACK BOX	WG4 SERIES	7135–1657:310	4x4x21/8", SINGLE GANG, DOUBLE GANG, 4" OCTAGON	EST
FAA	ANNUNCIATOR CONTROL PANEL	3-LCDANN	7120-1675-0195	SEE INSTALLATION MANUAL	EST
[FAD]	FIRE ALARM DOCUMENTATION CABINET	NF-FAD	7300-0553:0110	SEE MFR. MANUAL FOR SURFACE MOUNT	SPACE AGE

#### NOTES:

- NOT ALL COMPONENTS USED FOR THE FACP ARE SHOWN.
   NO CO DETECTION IS REQUIRED FOR BUILDING CONSTRUCTED BEFORE 2016.
- 3. FACP WIEGHT IS LESS THAN 50 LBS.
  4. ATTACH PANEL TO CONCRETE WALL WITH FOUR (4) ½" DIAMETER EXPANSION ANCHORS WITH 3.75" MIN.
- 4. ATTACH PANEL TO CONCRETE WALL WITH FOUR (4) ½" DIAMETER EXPANSION ANCHORS WITH 3.75" MIN. EMBEDMENT (ONE ANCHOR AT EACH CORNER). TORQUE—TEST ALL ANCHORS TO 50 FT—LBS. INSTALL PER POST—INSTALLED ANCHORS AND DOWELS NOTES ON \$1.0 AND TEST PER TESTING AND SPECIAL INSPECTION NOTES ON SHEET \$1.0.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP: 02-120607 INC:

REVIEWED FOR

SS FLS ACS D

DATE: 02/17/2023

# aedis

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

Solano CCD BLDG 300 Modernization



SOLANO COMMUNITY COLLEGE DISTRICT

CONSULTANT



SALASO'BRIEN

| expect a difference |
305 South 11th Street
San Jose, California 95112-2218
877.725.2755 | 877.925.1477 (f)

| WWW.SALASOBRIEN.COM

| National Strength.
| Local Action.



48-C1

02-120607

STATE

DSA FILE NUMBER

APPL#

No. Description

NO.

MILESTONES

 SD
 06.17.2022

 DD
 08.12.2022

 50% CD
 09.05.2022

 90% CD
 10.11.2022

 DSA SUB
 10.28.2022

02.21.2023

DSA SUB BACK CHECK

FIRE ALARM
LEGEND & NOTES

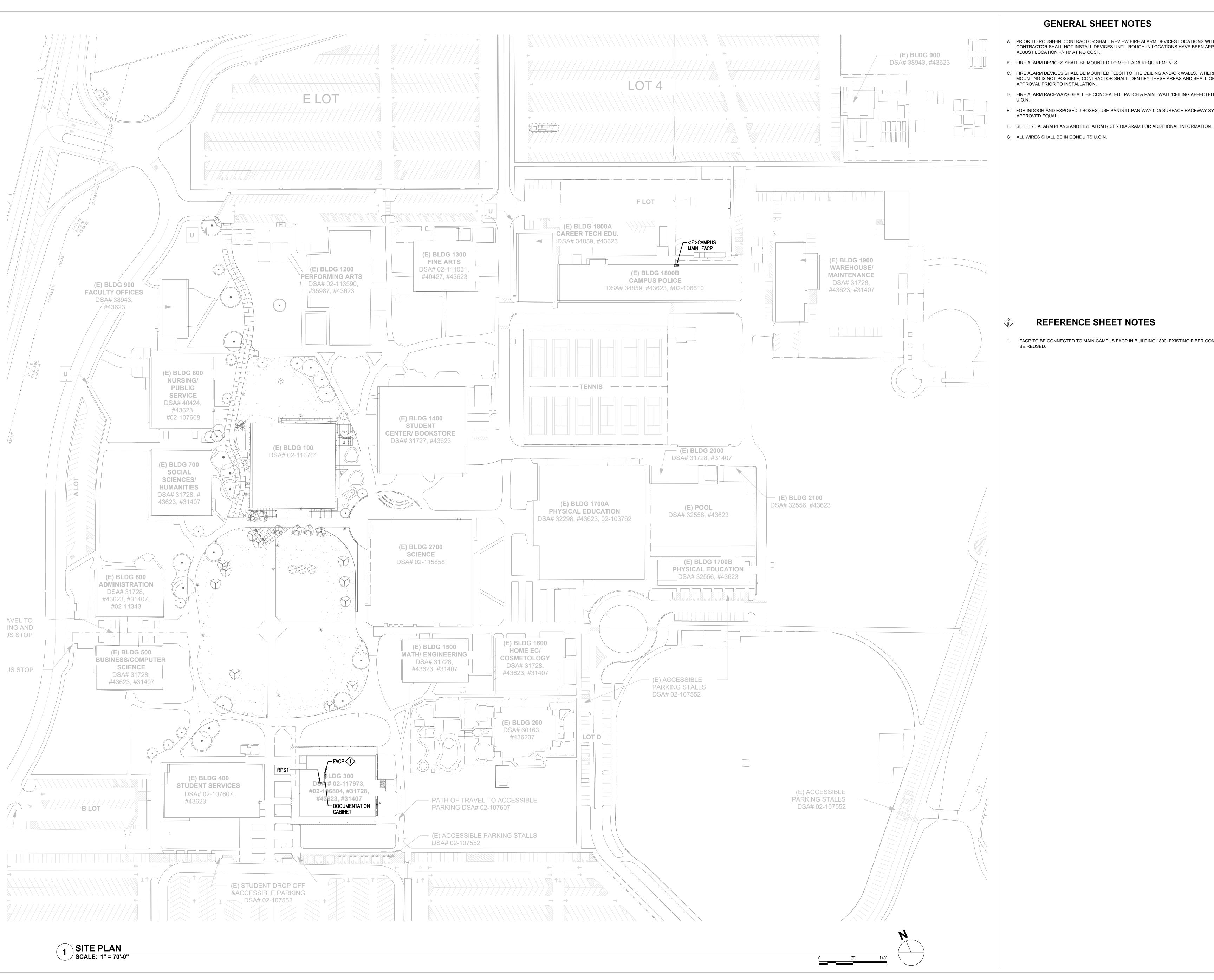
DATE 02.21.2023

Joв# 2022012 (SOBE 2201690)

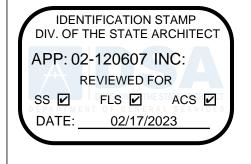
A0 01

K:\drawings\Aedis\2201690 B300 HVAC Modernization\2201690FA0.01.dwg 2/9/2023 11:20 AM Rick Padua

 $\overline{}^*$   $\square$   $\wedge$   $\wedge$ 



- . PRIOR TO ROUGH-IN, CONTRACTOR SHALL REVIEW FIRE ALARM DEVICES LOCATIONS WITH ENGINEER. CONTRACTOR SHALL NOT INSTALL DEVICES UNTIL ROUGH-IN LOCATIONS HAVE BEEN APPROVED.
- B. FIRE ALARM DEVICES SHALL BE MOUNTED TO MEET ADA REQUIREMENTS.
- FIRE ALARM DEVICES SHALL BE MOUNTED FLUSH TO THE CEILING AND/OR WALLS. WHERE FLUSH MOUNTING IS NOT POSSIBLE, CONTRACTOR SHALL IDENTIFY THESE AREAS AND SHALL OBTAIN APPROVAL PRIOR TO INSTALLATION.
- D. FIRE ALARM RACEWAYS SHALL BE CONCEALED. PATCH & PAINT WALL/CEILING AFFECTED. USE 1"C.
- E. FOR INDOOR AND EXPOSED J-BOXES, USE PANDUIT PAN-WAY LD5 SURFACE RACEWAY SYSTEM, OR APPROVED EQUAL.
- G. ALL WIRES SHALL BE IN CONDUITS U.O.N.



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

PROJECT Solano CCD BLDG 300 Modernization



FACP TO BE CONNECTED TO MAIN CAMPUS FACP IN BUILDING 1800. EXISTING FIBER CONNECTION TO



SOLANO COMMUNITY COLLEGE DISTRICT

CONSULTANT



Local **Action.** 

877.725.2755 | 877.925.1477 (f)

WWW.SALASOBRIEN.COM

National **Strength.** 

DSA FILE NUMBER

APPL#

REVISIONS

Description

02-120607

MILESTONES

06.17.2022 08.12.2022 09.05.2022 50% CD 10.11.2022 90% CD 10.28.2022

02.21.2023

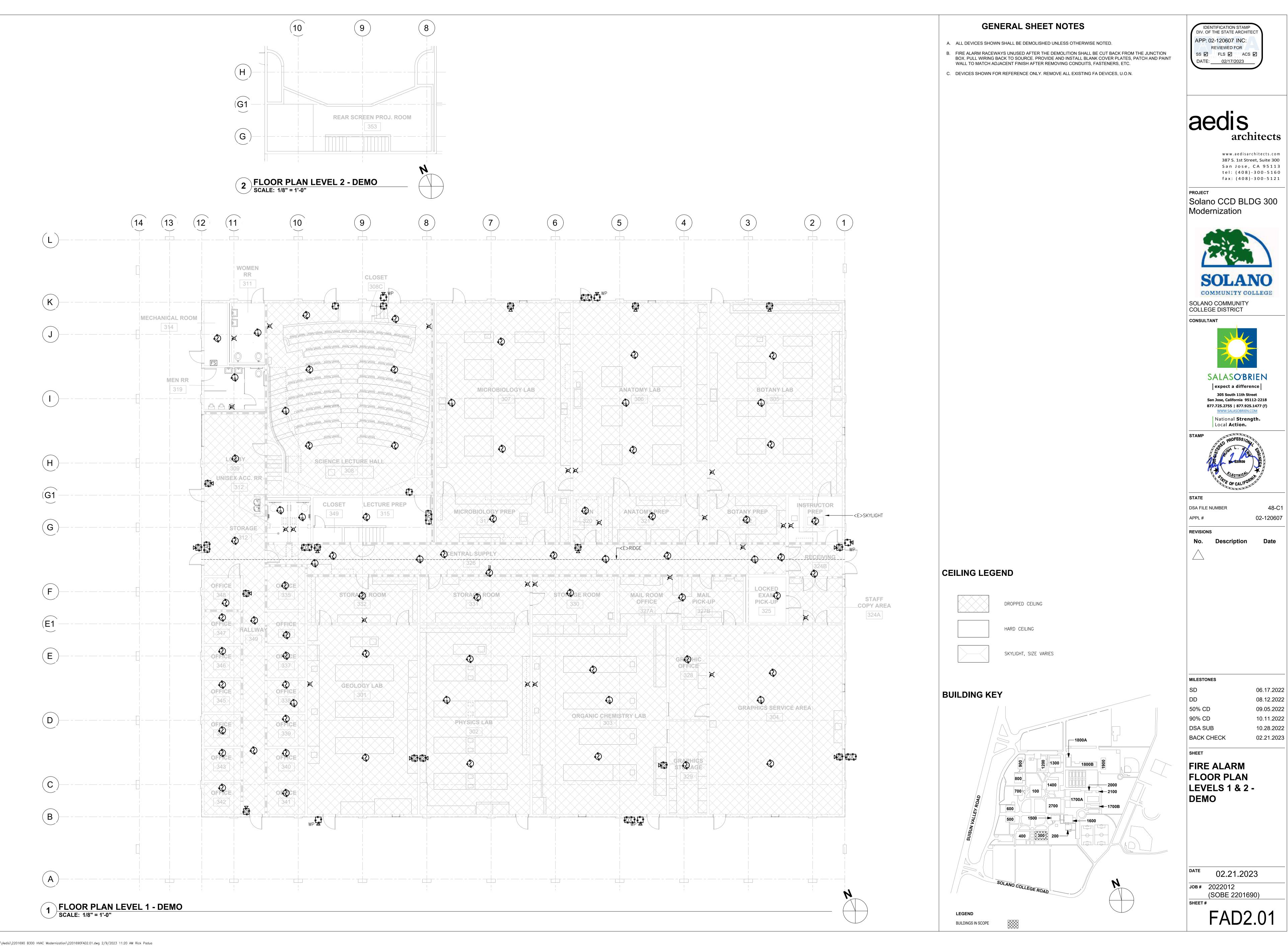
DSA SUB BACK CHECK

FIRE ALARM SITE PLAN

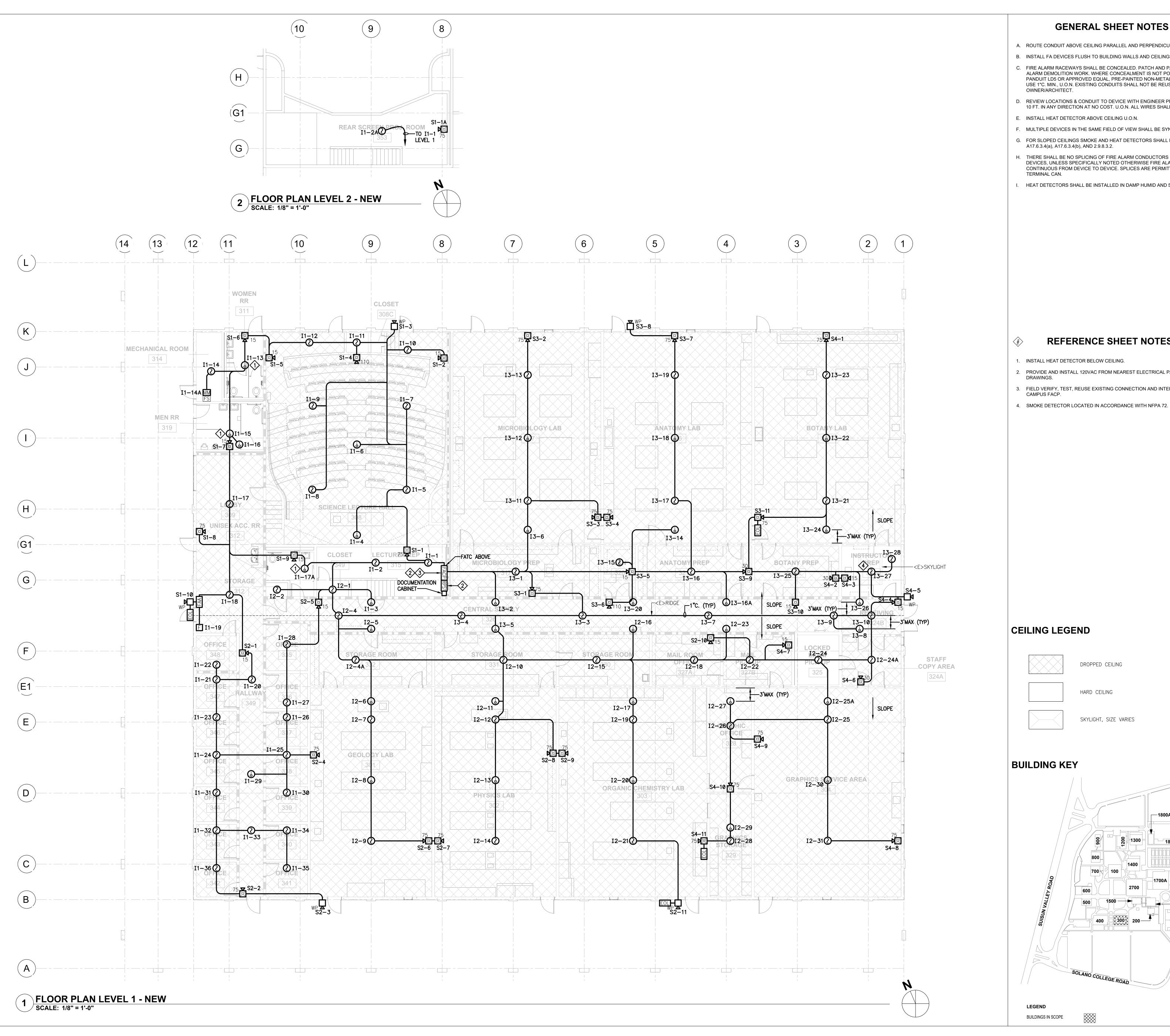
02.21.2023

JOB# 2022012 (SOBE 2201690)

FA1.01



K:\drawings\Aedis\2201690 B300 HVAC Modernization\2201690FAD2.01.dwg 2/9/2023 11:20 AM Rick Padua



- A. ROUTE CONDUIT ABOVE CEILING PARALLEL AND PERPENDICULAR TO WALLS.
- B. INSTALL FA DEVICES FLUSH TO BUILDING WALLS AND CEILINGS.
- C. FIRE ALARM RACEWAYS SHALL BE CONCEALED. PATCH AND PAINT WALL/CEILING AFFECTED BY FIRE ALARM DEMOLITION WORK. WHERE CONCEALMENT IS NOT POSSIBLE, USE WIREMOLD 2300 SERIES, PANDUIT LD5 OR APPROVED EQUAL, PRE-PAINTED NON-METALLIC RACEWAY FOR ALL EXPOSED AREAS. USE 1"C. MIN., U.O.N. EXISTING CONDUITS SHALL NOT BE REUSED, U.O.N. COORDINATE WITH OWNER/ARCHITECT.
- D. REVIEW LOCATIONS & CONDUIT TO DEVICE WITH ENGINEER PRIOR TO ROUGH-IN ADJUST LOCATION +/-10 FT. IN ANY DIRECTION AT NO COST. U.O.N. ALL WIRES SHALL BE IN CONDUIT UON.
- E. INSTALL HEAT DETECTOR ABOVE CEILING U.O.N.
- F. MULTIPLE DEVICES IN THE SAME FIELD OF VIEW SHALL BE SYNCHRONIZED.
- G. FOR SLOPED CEILINGS SMOKE AND HEAT DETECTORS SHALL BE INSTALLED PER NFPA 72 FIGURE A17.6.3.4(a), A17.6.3.4(b), AND 2.9.8.3.2.
- H. THERE SHALL BE NO SPLICING OF FIRE ALARM CONDUCTORS BETWEEN TERMINATION OF FIRE ALARM DEVICES, UNLESS SPECIFICALLY NOTED OTHERWISE FIRE ALARM CONDUCTORS SHALL BE CONTINUOUS FROM DEVICE TO DEVICE. SPLICES ARE PERMITTED AT THE BUILDING FIRE ALARM
- HEAT DETECTORS SHALL BE INSTALLED IN DAMP HUMID AND STEAMY AREAS.

REFERENCE SHEET NOTES

PROVIDE AND INSTALL 120VAC FROM NEAREST ELECTRICAL PANEL. COORDINATE WITH ELECTRICAL

3. FIELD VERIFY, TEST, REUSE EXISTING CONNECTION AND INTERCONNECT TO BUILDING 1800 MAIN

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 02/17/2023

# architects

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

PROJECT Solano CCD BLDG 300 Modernization



SOLANO COMMUNITY COLLEGE DISTRICT

CONSULTANT



**SALASO'BRIEN** expect a difference

DSA FILE NUMBER 02-120607

## **CEILING LEGEND**

**LEGEND** 

**BUILDINGS IN SCOPE** 

CAMPUS FACP.

DROPPED CEILING HARD CEILING SKYLIGHT, SIZE VARIES

**BUILDING KEY** 

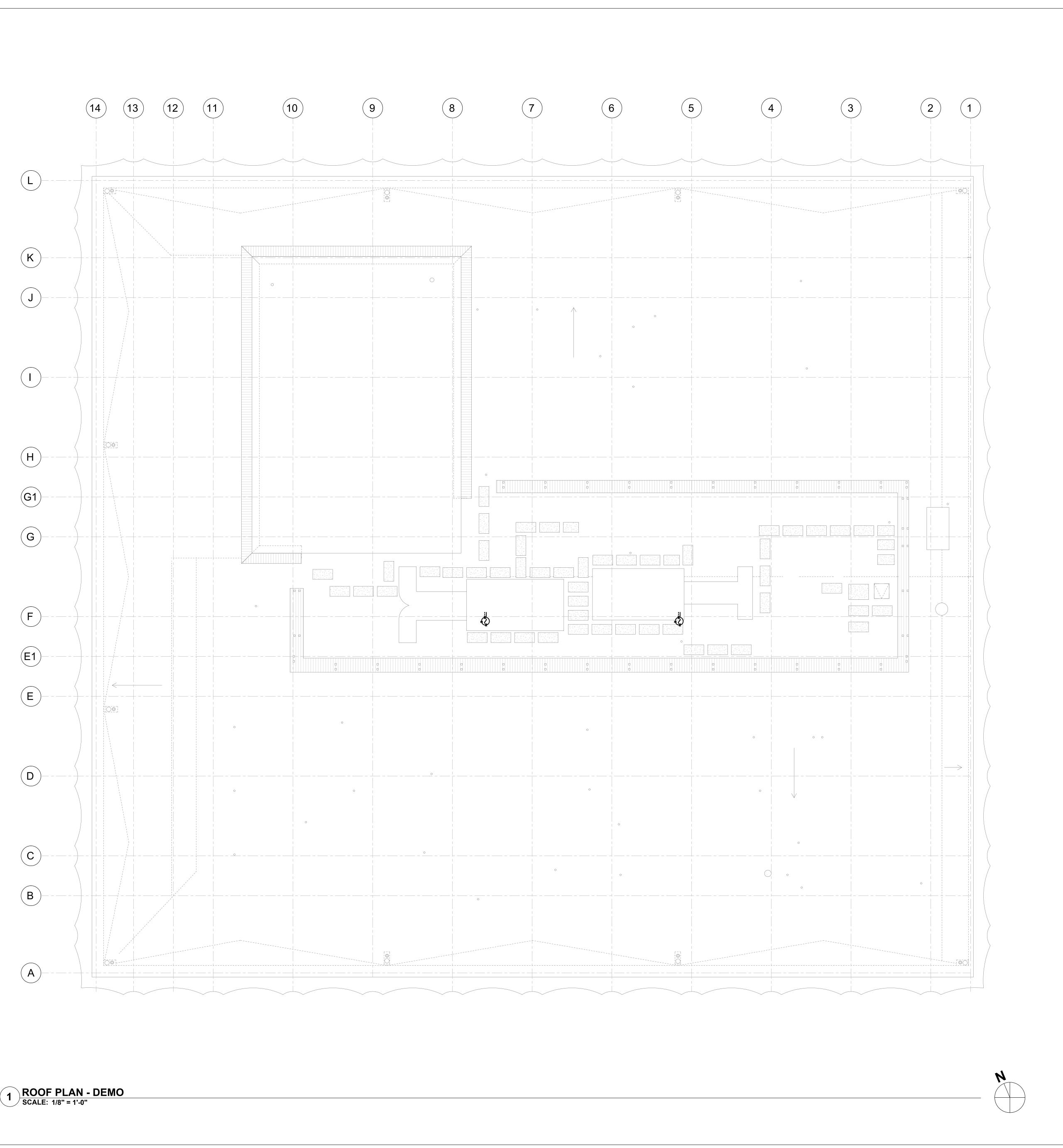
06.17.2022 08.12.2022 09.05.2022 10.11.2022 90% CD DSA SUB 10.28.2022 BACK CHECK 02.21.2023

FIRE ALARM **FLOOR PLAN LEVELS 1 & 2 -**NEW

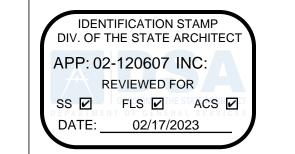
02.21.2023 JOB# 2022012

FA2.01

(SOBE 2201690)



- A. ALL DEVICES SHOWN SHALL BE DEMOLISHED UNLESS OTHERWISE NOTED.
- B. FIRE ALARM RACEWAYS UNUSED AFTER THE DEMOLITION SHALL BE CUT BACK FROM THE JUNCTION BOX. PULL WIRING BACK TO SOURCE. PROVIDE AND INSTALL BLANK COVER PLATES, PATCH AND PAINT WALL TO MATCH ADJACENT FINISH AFTER REMOVING CONDUITS, FASTENERS, ETC.
- C. DEVICES SHOWN FOR REFERENCE ONLY. REMOVE ALL EXISTING FA DEVICES, U.O.N.



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

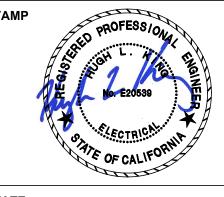
Solano CCD BLDG 300 Modernization



SOLANO COMMUNITY COLLEGE DISTRICT



National Strength.
Local Action.



DSA FILE NUMBER

06.17.2022 08.12.2022

09.05.2022

10.11.2022

10.28.2022

02.21.2023

DSA SUB BACK CHECK

FIRE ALARM **ROOF PLAN -**DEMO

02.21.2023

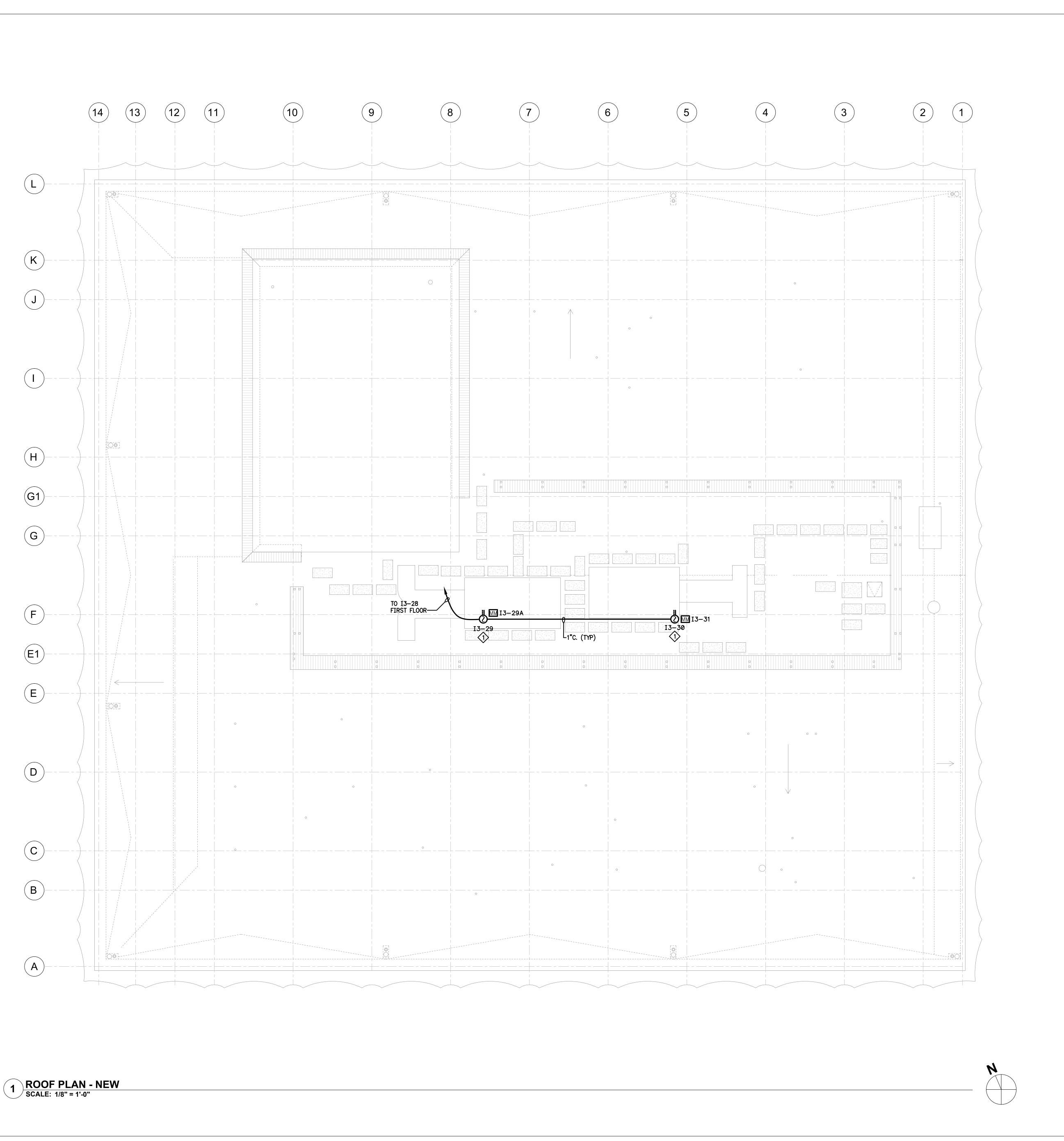
JOB# 2022012 (SOBE 2201690)

FAD2.02

**LEGEND** 

BUILDINGS IN SCOPE

**BUILDING KEY** 



- A. ROUTE CONDUIT ABOVE CEILING PARALLEL AND PERPENDICULAR TO WALLS.
- B. INSTALL FA DEVICES FLUSH TO BUILDING WALLS AND CEILINGS.
- C. FIRE ALARM RACEWAYS SHALL BE CONCEALED. PATCH AND PAINT WALL/CEILING AFFECTED BY FIRE ALARM DEMOLITION WORK. WHERE CONCEALMENT IS NOT POSSIBLE, USE WIREMOLD 2300 SERIES, PANDUIT LD5 OR APPROVED EQUAL, PRE-PAINTED NON-METALLIC RACEWAY FOR ALL EXPOSED AREAS. USE 1"C. MIN., U.O.N. EXISTING CONDUITS SHALL NOT BE REUSED, U.O.N. COORDINATE WITH OWNER/ARCHITECT.
- D. REVIEW LOCATIONS & CONDUIT TO DEVICE WITH ENGINEER PRIOR TO ROUGH-IN ADJUST LOCATION +/-10 FT. IN ANY DIRECTION AT NO COST. U.O.N. ALL WIRES SHALL BE IN CONDUIT UON.
- E. INSTALL HEAT DETECTOR ABOVE CEILING U.O.N.
- F. MULTIPLE DEVICES IN THE SAME FIELD OF VIEW SHALL BE SYNCHRONIZED.
- G. FOR SLOPED CEILINGS SMOKE AND HEAT DETECTORS SHALL BE INSTALLED PER NFPA 72 FIGURE A17.6.3.4(a), A17.6.3.4(b), AND 2.9.8.3.2.
- H. THERE SHALL BE NO SPLICING OF FIRE ALARM CONDUCTORS BETWEEN TERMINATION OF FIRE ALARM DEVICES, UNLESS SPECIFICALLY NOTED OTHERWISE FIRE ALARM CONDUCTORS SHALL BE CONTINUOUS FROM DEVICE TO DEVICE. SPLICES ARE PERMITTED AT THE BUILDING FIRE ALARM
- HEAT DETECTORS SHALL BE INSTALLED IN DAMP HUMID AND STEAMY AREAS.

## REFERENCE SHEET NOTES

1. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.

**BUILDING KEY** 

**LEGEND** 

**BUILDINGS IN SCOPE** 

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

# architects

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

Solano CCD BLDG 300 Modernization

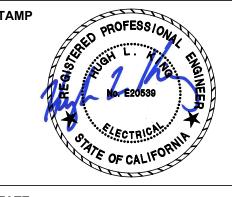


SOLANO COMMUNITY COLLEGE DISTRICT

CONSULTANT



National Strength.
Local Action.



DSA FILE NUMBER

06.17.2022 08.12.2022 09.05.2022 10.11.2022 10.28.2022 DSA SUB

02.21.2023

BACK CHECK

FIRE ALARM **ROOF PLAN -**NEW

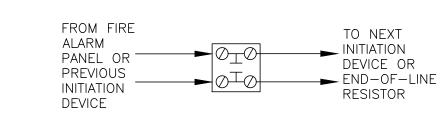
02.21.2023

JOB# 2022012 (SOBE 2201690)

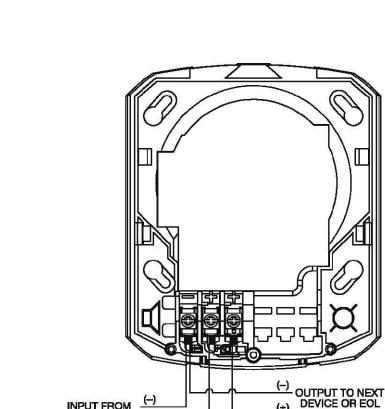
FA2.02

CONTROL UNIT NOTIFICATION 1. ACTIVATION OF ANY OF THE SYSTEM PULL ANNUNCIATION STATIONS, HEAT DETECTORS OR SMOKE DETECTORS SHALL CAUSE ALL SIGNALS IN ALL BUILDINGS TO ACTIVATE AND SOUND. 2. SHOULD AN OPEN, GROUND OR SHORT OCCUR IN THE WIRING, THE SYSTEM WILL DETECT THE MALFUNCTION AND INITIATE A TROUBLE INDICATOR AND ILLUMINATE THE SPECIFIC ZONE TROUBLE LIGHT. 3. ONCE THE SYSTEM IS BACK TO NORMAL, THE PANEL WILL RESOUND FOR PROPER RESETTING. 4. THE FIRE ALARM CONTROL PANEL IS BACKED UP BY BATTERIES FOR 24 HOURS OF STANDBY OPERATION AND 15 MINUTES OF ALARM OPERATION. SYSTEM INPUTS 1 MANUAL FIRE ALARM BOXES  $| \bullet | \bullet |$ 2 SMOKE DETECTORS 3 | FIRE ALARM AC POWER FAILURE 4 | FIRE ALARM SYSTEM LOW BATTERY 5 OPEN CIRCUIT 6 GROUND FAULT 7 | NOTIFICATION APPLIANCE CIRCUIT SHORT 8 HEAT DETECTORS  $| \bullet | \bullet |$ 9 FIRE DRILL 10 DUCT DETECTOR 11 WATER FLOW SWITCH 12 TAMPER SWITCH 13 POST INDICATOR VALVE 14 ANSUL SYSTEM 15 FA TROUBLE (OPEN SHORTS ON INITIATION OR SIGNALING CIRCUITS 16 SMOKE DETECTOR ELEVATOR MACHINE ROOM • • 17 HEAT DETECTOR ELEVATOR MACHINE ROOM SEQUENCE OF EVENTS

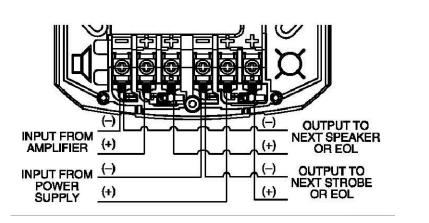
9 NOT USED
SCALE: N.T.S.



TYPICAL PULL STATION/DETECTOR WIRING DIAGRAM

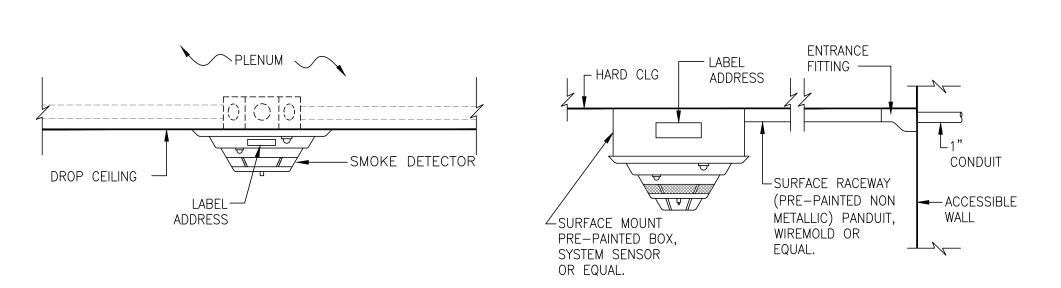


3 TYPICAL STROBE WIRING DIAGRAM
SCALE: N.T.S.

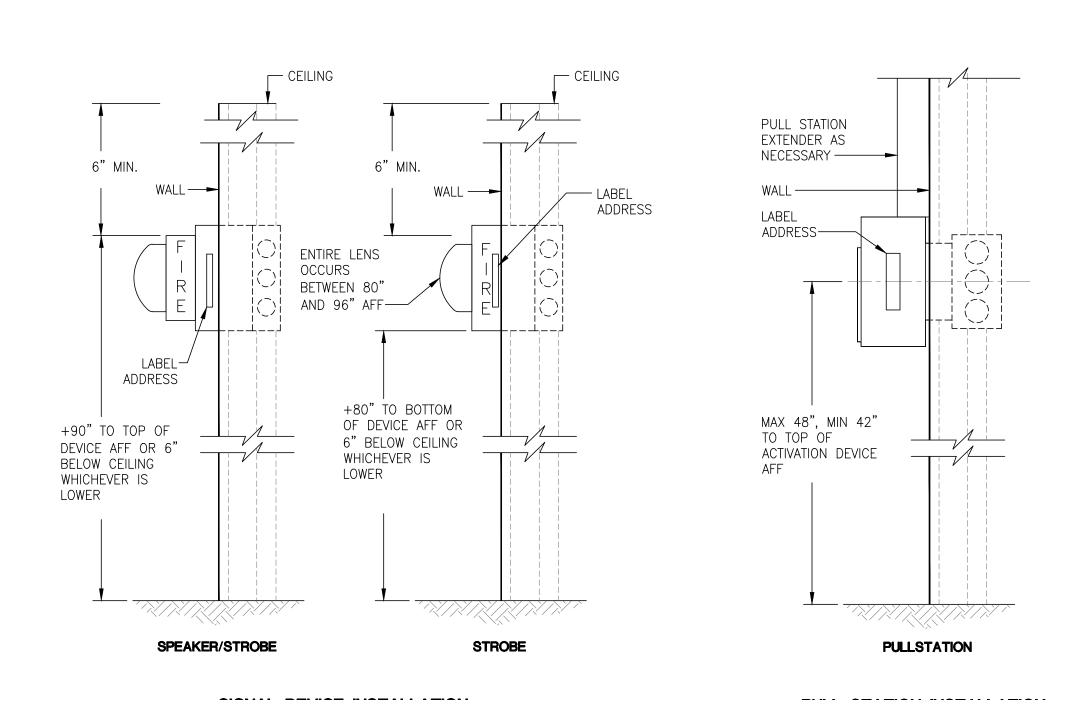


2 TYPICAL SPEAKER STROBE WIRING DIAGRAM

SCALE: N.T.S.



DETECTOR INSTALLATION



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

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

PROJECT Solano CCD BLDG 300 Modernization



SOLANO COMMUNITY COLLEGE DISTRICT

CONSULTANT



**SALASO'BRIEN** 305 South 11th Street San Jose, California 95112-2218 877.725.2755 | 877.925.1477 (f) WWW.SALASOBRIEN.COM National Strength.

Local **Action.** 

48-C1 DSA FILE NUMBER

02-120607 APPL# REVISIONS

Description

MILESTONES

06.17.2022 08.12.2022 50% CD 09.05.2022 10.11.2022 90% CD 10.28.2022 DSA SUB BACK CHECK 02.21.2023

FIRE ALARM **DETAILS** 

02.21.2023 Јов# 2022012

(SOBE 2201690)

									EST
VOLTAGE D	ROP CALCULAT	TON							
VOLTAGE DE	ROP = (TOTAL AL	ARM CURRENT)	X (LENGTH FT. /	1000)X 2 X ( C	OHMS PER 1000	) FT.)			
	OPPER STRANDED						OHM PER 1000 FT.	(c1)	1.98
	LLOWED VOLTAG	GE DROP AT 10%	= 2.4 VOLTS		_				
FORMULA:							CURRENT (AMPS) X		(a)
							HOUSAND FEET) X		(b)
				MA	YIMI IM VOLTA		THOUSAND FEET) X ULATED (VOLTS) =		(c1) (d)
		MAXIMUM VOI	TAGE DROP CAL				SYSTEM VOLTAGE		(e)
			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			4) 511 1525 51			(0)
CIRCUIT VOL	TAGE DROP CAL	CULATED AT 85%	% OF NAMEPLA	TE IMPUT VOLT	AGE.				
SIGNAL ZON	JE 1	ALARM CURRE	NT PER UNIT (AN	MPS)					
		H/ STROBE -30	STROBE-75	STROBE-110	H/STROBE -15	H/STROBE -75	HORN	H/STROBE 110	
	LOAD	0.090	0.019	0.015	0.065	0.203	0.011	0.230	
					_				
	NEW	0	0	0	5	_	_	-	
	SUBTOTAL	0.000	0.000	0.000	0.325	0.609	0.022	0.230	
ΤΟΤΔΙ ΔΙΔΕ	RM CURRENT FOR	8.70NE: (a)							1.19
	RIVICURRENT FOR R THOUSAND FEE								0.50
	OPPER STRANDED		c1)				OHM PER 1000 FT.	(c1)	1.98
	OLTAGE DROP CA						ST III I I I I I I I I I I I I I I I I I	. (01)	2.3
		(,		MAXIMUM V	OLTAGE DROP	CALCULATED	(PERCENTAGE) (e)		9.78%
							, , , ,		
SIGNAL ZON	IE 2	ALARM CURRE	NT PER UNIT (AM	MPS)					
		H/ STROBE -30	STROBE-75	STROBE-110	H/STROBE -15	H/STROBE-75	HORN	H/STROBE 110	
	LOAD	0.090	0.019	0.015	0.065	0.203	0.011	0.230	
TOTAL ALAF	NEW SUBTOTAL RM CURRENT FOR	0 0.000 RZONE: (a)	0.000	0.000	3 0.195	_	2 0.022		
LENGTH (PEF	SUBTOTAL	0.000 R ZONE: (a) ET): (b)	0.000		-	_	_	0.000	1.4 <sup>4</sup> 0.4 <sup>6</sup> 1.98
LENGTH (PEF #12 AWG CC	SUBTOTAL RM CURRENT FOR R THOUSAND FEE	0.000 R ZONE: (a) ET): (b) O THHN/THWN = (d	0.000	0.000	0.195	1.218	0.022 OHM PER 1000 FT.	0.000 (c1)	1.4 0.4 1.9 2.2
LENGTH (PEF #12 AWG CC	SUBTOTAL RM CURRENT FOR R THOUSAND FEE DPPER STRANDEL	0.000 R ZONE: (a) ET): (b) O THHN/THWN = (d	0.000	0.000	0.195	1.218	0.022	0.000 (c1)	1.4 <sup>2</sup> 0.4( 1.90 <b>2.2</b> 2
LENGTH (PEF #12 AWG CC MAXIMUM V C	SUBTOTAL  RM CURRENT FOR  R THOUSAND FEE  DPPER STRANDEL  OLTAGE DROP CA	0.000 R ZONE: (a) ET): (b) D THHN/THWN = (c) ALCULATED (VOL	0.000 c1) _TS): (d)	0.000 MAXIMUM V	0.195	1.218	0.022 OHM PER 1000 FT.	0.000 (c1)	1.4 <sup>2</sup> 0.4( 1.90 <b>2.2</b> 2
LENGTH (PEF #12 AWG CC MAXIMUM V C	SUBTOTAL  RM CURRENT FOR  R THOUSAND FEE  DPPER STRANDEL  OLTAGE DROP CA	0.000  R ZONE: (a)  ET): (b)  O THHN/THWN = (c)  A LCULATED (VOL	0.000 c1) .TS): (d)	0.000 MAXIMUM V	0.195 OLTAGE DROF	1.218	0.022 OHM PER 1000 FT. (PERCENTA GE) (e)	0.000 (c1)	1.4 <sup>2</sup> 0.4( 1.90 <b>2.2</b> 2
LENGTH (PEF #12 AWG CC MAXIMUM V C	SUBTOTAL  RM CURRENT FOR  R THOUSAND FEE  DPPER STRANDED  OLTAGE DROP CA	0.000  R ZONE: (a)  ET): (b)  O THHN/THWN = (c)  A LCULATED (VOL	0.000 c1) _TS): (d) NT PER UNIT (AN	0.000  MAXIMUM V  MPS)  STROBE-110	0.195 OLTAGE DROP	1.218  P CALCULATED  H/STROBE -75	0.022 OHM PER 1000 FT. (PERCENTA GE) (e)	0.000 (c1)	1.44 0.4( 1.9) 2.2; 9.471%
LENGTH (PEF #12 AWG CC MAXIMUM V C	SUBTOTAL  RM CURRENT FOR  R THOUSAND FEE  DPPER STRANDEL  OLTAGE DROP CA	0.000  R ZONE: (a)  ET): (b)  O THHN/THWN = (c)  A LCULATED (VOL	0.000 c1) .TS): (d)	0.000 MAXIMUM V	0.195 OLTAGE DROF	1.218	0.022 OHM PER 1000 FT. (PERCENTA GE) (e)	0.000 (c1)	1.44 0.4( 1.9) 2.2; 9.471%
LENGTH (PEF #12 AWG CC MAXIMUM V C	SUBTOTAL  RM CURRENT FOR  R THOUSAND FEE  DPPER STRANDED  OLTAGE DROP CA	0.000  R ZONE: (a)  ET): (b)  O THHN/THWN = (c)  A LCULATED (VOL	0.000 c1) _TS): (d) NT PER UNIT (AN	0.000  MAXIMUM V  MPS)  STROBE-110	0.195 OLTAGE DROP	1.218  P CALCULATED  HISTROBE -75  0.203	0.022 OHM PER 1000 FT. (PERCENTA GE) (e)	0.000  (c1)  H/STR OB E 110  0.230	1.44 0.4( 1.9) 2.2; 9.471%
LENGTH (PEF #12 AWG CC MAXIMUM V C	SUBTOTAL  RM CURRENT FOR R THOUSAND FEE DPPER STRANDEL OLTAGE DROP CA	O.000  R ZONE: (a)  ET): (b)  O THHN/THWN = (c)  ALCULATED (VOL  ALARM CURREL  H/ STROBE -30  0.090	0.000 c1) LTS): (d) NT PER UNIT (AN STROBE-75 0.019	0.000  MAXIMUM V  MPS)  STROBE-110  0.015	O.195 OLTAGE DROP  H/STROBE -15  0.065	1.218  P CALCULATED  HISTROBE - 75  0.203	0.022  OHM PER 1000 FT.  (PERCENTAGE) (e)	0.000  (c1)  H/STROBE 110  0.230	1.44 0.4( 1.9) 2.2; 9.471%
LENGTH (PEF #12 AWG CC MAXIMUM V C	SUBTOTAL  RM CURRENT FOR R THOUSAND FEE DPPER STRANDED OLTAGE DROP CA	0.000  R ZONE: (a)  ET): (b)  O THHN/THWN = (c)  ALCULATED (VOL  ALARM CURRE  H/ STROBE -30  0.090	0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.019	0.000  MAXIMUM V  MPS)  STROBE-110  0.015	0.195 OLTAGE DROP  HISTROBE -15  0.065	1.218  P CALCULATED  HISTROBE - 75  0.203	0.022  OHM PER 1000 FT.  (PERCENTA GE) (e)  HORN  0.011	0.000  (c1)  H/STROBE 110  0.230	1.44 0.4( 1.9) 2.2; 9.471%
LENGTH (PEF #12 AWG CO MAXIMUM V ( SIGNAL ZON	SUBTOTAL  RM CURRENT FOR R THOUSAND FEE DPPER STRANDED OLTAGE DROP CA	O.000  R ZONE: (a)  ET): (b)  O THHIN/THWN = (c)  ALCULATED (VOL  ALARM CURRE  H/ STROBE -30  0.090  1  0.090	0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.019	0.000  MAXIMUM V  MPS)  STROBE-110  0.015	0.195 OLTAGE DROP  HISTROBE -15  0.065	1.218  P CALCULATED  HISTROBE - 75  0.203	0.022  OHM PER 1000 FT.  (PERCENTA GE) (e)  HORN  0.011	0.000  (c1)  H/STROBE 110  0.230	1.44 0.40 1.98 2.27 9.471%
LENGTH (PEF #12 AWG CO MAXIMUM V C SIGNAL ZON	SUBTOTAL  RM CURRENT FOR R THOUSAND FEE DPPER STRANDEL OLTAGE DROP CA  JE 3  LOAD  NEW SUBTOTAL	O.000  R ZONE: (a)  ET): (b)  O THHN/THWN = (c)  ALCULATED (VOL  ALCULATED (VOL  1 0.090  R ZONE: (a)	0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.019	0.000  MAXIMUM V  MPS)  STROBE-110  0.015	0.195 OLTAGE DROP  HISTROBE -15  0.065	1.218  P CALCULATED  HISTROBE - 75  0.203	0.022  OHM PER 1000 FT.  (PERCENTA GE) (e)  HORN  0.011	0.000  (c1)  H/STROBE 110  0.230	1.44 0.44 1.98 2.27 9.471%
LENGTH (PEF #12 AWG CO MAXIMUM V ( SIGNAL ZON TOTAL ALAF LENGTH (PEF	SUBTOTAL  RM CURRENT FOR R THOUSAND FEE DPPER STRANDEL OLTAGE DROP CA  IE 3  LOAD  NEW SUBTOTAL  RM CURRENT FOR	O.000  R ZONE: (a)  ET): (b)  OTHHN/THWN = (c)  ALCULATED (VOL  ALCULATED (VOL  1 0.090  R ZONE: (a)  ET): (b)	0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.019  0 0.0000	0.000  MAXIMUM V  MPS)  STROBE-110  0.015	0.195 OLTAGE DROP  HISTROBE -15  0.065	1.218  P CALCULATED  HISTROBE - 75  0.203	0.022  OHM PER 1000 FT.  (PERCENTA GE) (e)  HORN  0.011	0.000  (c1)  H/STROBE 110  0.230  1 0.230	1.44 0.44 1.90 2.22 9.471%
LENGTH (PEF #12 A WG CO MA XIMUM V ( SIGNAL ZON TOTAL ALAF LENGTH (PEF #12 A WG CO	SUBTOTAL  RM CURRENT FOR R THOUSAND FEE DPPER STRANDED OLTAGE DROP CA  IE 3  LOAD  NEW SUBTOTAL  RM CURRENT FOR R THOUSAND FEE	O.000  R ZONE: (a)  ET): (b)  O THHN/THWN = (c)  ALCULATED (VOL  ALCULATED (VOL  1 0.090  R ZONE: (a)  ET): (b)  O THHN/THWN = (c)	0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.019  0 0.000	0.000  MAXIMUM V  MPS)  STROBE-110  0.015  0 0.000	0.195 OLTAGE DROP  WISTROBE -15 0.065 2 0.130	1.218 P CALCULATED  H/STROBE - 75  0.203  6 1.218	0.022  OHM PER 1000 FT.  (PERCENTAGE) (e)  HORN  0.011  1 0.0111  OHM PER 1000 FT.	0.000  (c1)  H/STROBE 110  0.230  1 0.230	1.44 0.44 1.96 2.22 9.471% 1.66 0.34 1.96 2.26
LENGTH (PEF #12 A WG CO MA XIMUM V ( SIGNAL ZON TOTAL ALAF LENGTH (PEF #12 A WG CO	SUBTOTAL  RM CURRENT FOR R THOUSAND FEE DPPER STRANDED OLTAGE DROP CA  IE 3  LOAD  NEW SUBTOTAL  RM CURRENT FOR R THOUSAND FEE DPPER STRANDED	O.000  R ZONE: (a)  ET): (b)  O THHN/THWN = (c)  ALCULATED (VOL  ALCULATED (VOL  1 0.090  R ZONE: (a)  ET): (b)  O THHN/THWN = (c)	0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.019  0 0.000	0.000  MAXIMUM V  MPS)  STROBE-110  0.015  0 0.000	0.195 OLTAGE DROP  WISTROBE -15 0.065 2 0.130	1.218 P CALCULATED  H/STROBE - 75  0.203  6 1.218	0.022  OHM PER 1000 FT.  (PERCENTA GE) (e)  HORN  0.011  1 0.011	0.000  (c1)  H/STROBE 110  0.230  1 0.230	1.4 0.4 1.9 2.2 9.471% 1.6 0.3 1.9 2.2
LENGTH (PEF #12 AWG CO MAXIMUM VO SIGNAL ZON TOTAL ALAF LENGTH (PEF #12 AWG CO MAXIMUM VO	SUBTOTAL  RM CURRENT FOR R THOUSAND FEE DPPER STRANDEL OLTAGE DROP CA  IE 3  LOAD  NEW SUBTOTAL  RM CURRENT FOR R THOUSAND FEE DPPER STRANDEL OLTAGE DROP CA	O.000  R ZONE: (a)  T): (b)  THHN/THWN = (c)  ALCULATED (VOL  ALCULATED (VOL  0.090  1 0.090  R ZONE: (a)  THHN/THWN = (c)  ALCULATED (VOL	0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.019  0 0.0000  C1)  TS): (d)	0.000  MAXIMUM V  MPS)  STROBE-110  0.015  0 0.000	0.195 OLTAGE DROP  WISTROBE -15 0.065 2 0.130	1.218 P CALCULATED  H/STROBE - 75  0.203  6 1.218	0.022  OHM PER 1000 FT.  (PERCENTAGE) (e)  HORN  0.011  1 0.0111  OHM PER 1000 FT.	0.000  (c1)  H/STROBE 110  0.230  1 0.230	1.44 0.44 1.96 2.22 9.471% 1.66 0.34 1.96 2.26
LENGTH (PEF #12 AWG CO MAXIMUM VO SIGNAL ZON TOTAL ALAF LENGTH (PEF #12 AWG CO MAXIMUM VO	SUBTOTAL  RM CURRENT FOR R THOUSAND FEE DPPER STRANDEL OLTAGE DROP CA  IE 3  LOAD  NEW SUBTOTAL  RM CURRENT FOR R THOUSAND FEE DPPER STRANDEL OLTAGE DROP CA	O.000  R ZONE: (a) ET): (b) OTHHN/THWN = (c) ALCULATED (VOL  ALARM CURRE H/ STROBE -30  0.090  1 0.090  R ZONE: (a) ET): (b) OTHHN/THWN = (c) ALCULATED (VOL  ALARM CURRE	0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.019  0.0000  C1)  TS): (d)	0.000  MAXIMUM V  MPS)  STROBE-110  0.015  0 0.000  MAXIMUM V  MPS)	0.195  OLTAGE DROP  O.065  0.065  2  0.130	1.218  P CALCULATED  HISTROBE -75  0.203  6  1.218	0.022  OHM PER 1000 FT.  (PERCENTAGE) (e)  1 0.011  OHM PER 1000 FT.  (PERCENTAGE) (e)	0.000  (c1)  H/STROBE 110  0.230  1 0.230	1.44 0.44 1.96 2.22 9.471% 1.66 0.34 1.96 2.26
LENGTH (PEF #12 AWG CO MAXIMUM VO SIGNAL ZON TOTAL ALAF LENGTH (PEF #12 AWG CO MAXIMUM VO	SUBTOTAL  RM CURRENT FOR R THOUSAND FEE DPPER STRANDED OLTAGE DROP CARRENT FEE DPPER STRANDED OLTAGE DROP CARRENT FEE DPPER STRANDED OLTAGE DROP THOUSAND FEE DPPER STRANDED OLTAGE DROP T	O.000  R ZONE: (a) ET): (b) OTHHN/THWN = (c) ALCULATED (VOL  ALARM CURRET H/ STROBE -30  1 0.090  R ZONE: (a) ET): (b) OTHHN/THWN = (c) ALCULATED (VOL  ALARM CURRET H/ STROBE -30	0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.019  0.0000  C1)  TS): (d)	0.000  MAXIMUM V  MPS)  0.015  0.000  MAXIMUM V  MPS)  STROBE-110	O.195  OLTAGE DROP  O.065  O.065  O.130  OLTAGE DROP  HISTROBE -15	1.218  P CALCULATED  H/STROBE - 75  0.203  6  1.218  P CALCULATED  H/STROBE - 75	0.022  OHM PER 1000 FT.  (PERCENTAGE) (e)  HORN  0.011  1 0.011  OHM PER 1000 FT.  (PERCENTAGE) (e)	0.000  (c1)  H/STROBE 110  0.230  1 0.230  (c1)	1.44 0.44 1.96 2.27 9.471% 1.66 0.33 1.96 2.26 9.42%
LENGTH (PEF #12 A WG CO MA XIMUM V C SIGNAL ZON TOTAL ALAF LENGTH (PEF #12 A WG CO MA XIMUM V C	SUBTOTAL  RM CURRENT FOR R THOUSAND FEE DPPER STRANDEL OLTAGE DROP CA  IE 3  LOAD  NEW SUBTOTAL  RM CURRENT FOR R THOUSAND FEE DPPER STRANDEL OLTAGE DROP CA	O.000  R ZONE: (a) ET): (b) OTHHN/THWN = (c) ALCULATED (VOL  ALARM CURRE H/ STROBE -30  0.090  1 0.090  R ZONE: (a) ET): (b) OTHHN/THWN = (c) ALCULATED (VOL  ALARM CURRE	0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.019  0.0000  C1)  TS): (d)	0.000  MAXIMUM V  MPS)  STROBE-110  0.015  0 0.000  MAXIMUM V  MPS)	0.195  OLTAGE DROP  O.065  0.065  2  0.130	1.218  P CALCULATED  HISTROBE -75  0.203  6  1.218	0.022  OHM PER 1000 FT.  (PERCENTAGE) (e)  1 0.011  OHM PER 1000 FT.  (PERCENTAGE) (e)	0.000  (c1)  H/STROBE 110  0.230  1 0.230  (c1)	1.44 0.44 1.96 2.27 9.471% 1.66 0.33 1.96 2.26 9.42%
LENGTH (PEF #12 AWG CO MAXIMUM VO SIGNAL ZON TOTAL ALAF LENGTH (PEF #12 AWG CO MAXIMUM VO	SUBTOTAL  RM CURRENT FOR R THOUSAND FEE DPPER STRANDED OLTAGE DROP CARRENT FOR R THOUSAND FEE DPPER STRANDED OLTAGE DROP CARRENT FOR	O.000  R ZONE: (a)  T): (b)  THHN/THWN = (c)  ALCULATED (VOL  ALCULATED (VOL  T): (b)  THHN/THWN = (c)  ALCULATED (VOL  ALCULATED (VOL  ALCULATED (VOL  ALCULATED (VOL  ALCULATED (VOL  ALCULATED (VOL	0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.019  0 0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.019	0.000  MAXIMUM V  MPS)  STROBE-110  0.000  MAXIMUM V  MPS)  STROBE-110  0.015	O.195 OLTAGE DROP  WISTROBE -15 O.065  2 O.130  OLTAGE DROP  WISTROBE -15 O.065	1.218  P CALCULATED  HISTROBE - 75  0.203  6  1.218  P CALCULATED  HISTROBE - 75  0.203	0.022  OHM PER 1000 FT.  (PERCENTA GE) (e)  HORN  0.011  CHM PER 1000 FT.  (PERCENTA GE) (e)  HORN  0.011	0.000  H/STROBE 110  0.230  1 0.230  (c1)	1.44 0.44 1.90 2.22 9.471% 1.60 0.33 1.90 2.20 9.42%
LENGTH (PEF #12 A WG CO MAXIMUM V C SIGNAL ZON TOTAL ALAF LENGTH (PEF #12 A WG CO MAXIMUM V C	SUBTOTAL  RM CURRENT FOR R THOUSAND FEEDPPER STRANDED OLTAGE DROP CA  IE 3  LOAD  NEW SUBTOTAL  RM CURRENT FOR R THOUSAND FEEDPPER STRANDED OLTAGE DROP CA  IE 4  LOAD  NEW NEW	O.000  R ZONE: (a) ET): (b) OTHHN/THWN = (c) ALCULATED (VOL  ALCULATED (VOL  ALCULATED (A) ET): (b) OTHHN/THWN = (c) ALCULATED (VOL	0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.019  0  0.0019	0.000  MAXIMUM V  MPS)  STROBE-110  0.015  0  0.000  MAXIMUM V  MPS)  STROBE-110  0.015	O.195  OLTAGE DROP  O.065  2  O.130  OLTAGE DROP  HISTROBE -15  O.065	1.218  P CALCULATED  HISTROBE -75  0.203  6  1.218  P CALCULATED  HISTROBE -75  0.203	0.022  OHM PER 1000 FT.  (PERCENTAGE) (e)  1 0.011  OHM PER 1000 FT.  (PERCENTAGE) (e)  HORN  0.011	0.000  H/STROBE 110  0.230  1 0.230  (c1)  H/STROBE 110  0.230	1.44 0.44 1.90 2.22 9.471% 1.60 0.33 1.90 2.20 9.42%
LENGTH (PEF #12 A WG CO MAXIMUM V C SIGNAL ZON TOTAL ALAF LENGTH (PEF #12 A WG CO	SUBTOTAL  RM CURRENT FOR R THOUSAND FEE DPPER STRANDED OLTAGE DROP CARRENT FOR R THOUSAND FEE DPPER STRANDED OLTAGE DROP CARRENT FOR	O.000  R ZONE: (a)  T): (b)  THHN/THWN = (c)  ALCULATED (VOL  ALCULATED (VOL  T): (b)  THHN/THWN = (c)  ALCULATED (VOL  ALCULATED (VOL  ALCULATED (VOL  ALCULATED (VOL  ALCULATED (VOL  ALCULATED (VOL	0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.019  0 0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.019	0.000  MAXIMUM V  MPS)  STROBE-110  0.000  MAXIMUM V  MPS)  STROBE-110  0.015	O.195 OLTAGE DROP  WISTROBE -15 O.065  2 O.130  OLTAGE DROP  WISTROBE -15 O.065	1.218  P CALCULATED  HISTROBE - 75  0.203  6  1.218  P CALCULATED  HISTROBE - 75  0.203	0.022  OHM PER 1000 FT.  (PERCENTA GE) (e)  HORN  0.011  CHM PER 1000 FT.  (PERCENTA GE) (e)  HORN  0.011	0.000  H/STROBE 110  0.230  1 0.230  (c1)  H/STROBE 110  0.230	1.44 0.44 1.90 2.22 9.471% 1.60 0.33 1.90 2.20 9.42%
LENGTH (PEF #12 A WG CO MAXIMUM V CO SIGNAL ZON TOTAL ALAF LENGTH (PEF #12 A WG CO MAXIMUM V CO SIGNAL ZON	SUBTOTAL  RM CURRENT FOR R THOUSAND FEE DPPER STRANDED OLTAGE DROP CARRENT FOR R THOUSAND FEE DPPER STRANDED OLTAGE DROP CARRENT FOR R THOUSAND FEE DPPER STRANDED OLTAGE DROP CARRENT FOR STRANDED OLTAGE DROP CARRENT STRANDED OLTAGE DROP	O.000  R ZONE: (a) ET): (b) OTHHN/THWN = (c) ALCULATED (VOL	0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.019  0  0.0019	0.000  MAXIMUM V  MPS)  STROBE-110  0.015  0  0.000  MAXIMUM V  MPS)  STROBE-110  0.015	O.195  OLTAGE DROP  O.065  2  O.130  OLTAGE DROP  HISTROBE -15  O.065	1.218  P CALCULATED  HISTROBE -75  0.203  6  1.218  P CALCULATED  HISTROBE -75  0.203	0.022  OHM PER 1000 FT.  (PERCENTAGE) (e)  1 0.011  OHM PER 1000 FT.  (PERCENTAGE) (e)  HORN  0.011	0.000  H/STROBE 110  0.230  1 0.230  (c1)  H/STROBE 110  0.230	1.44 0.44 1.98 2.27 9.471% 1.68 0.33 1.98 2.26 9.42%
LENGTH (PEF #12 A WG CO MAXIMUM V CO SIGNAL ZON TOTAL ALAF #12 A WG CO MAXIMUM V CO SIGNAL ZON	SUBTOTAL  RM CURRENT FOR R THOUSAND FEEDPER STRANDED OLTAGE DROP CA  IE 3  LOAD  NEW SUBTOTAL  RM CURRENT FOR R THOUSAND FEEDPER STRANDED OLTAGE DROP CA  IE 4  LOAD  NEW SUBTOTAL  RM CURRENT FOR R THOUSAND FEEDPER STRANDED OLTAGE DROP CA  IE 4  LOAD  NEW SUBTOTAL	O.000  R ZONE: (a)  T): (b)  THHN/THWN = (c)  ALCULATED (VOL  ALCULATED (VOL  T): (b)  THHN/THWN = (c)  ALCULATED (VOL	0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.019  0  0.0019	0.000  MAXIMUM V  MPS)  STROBE-110  0.015  0  0.000  MAXIMUM V  MPS)  STROBE-110  0.015	O.195  OLTAGE DROP  O.065  2  O.130  OLTAGE DROP  HISTROBE -15  O.065	1.218  P CALCULATED  HISTROBE -75  0.203  6  1.218  P CALCULATED  HISTROBE -75  0.203	0.022  OHM PER 1000 FT.  (PERCENTAGE) (e)  1 0.011  OHM PER 1000 FT.  (PERCENTAGE) (e)  HORN  0.011	0.000  H/STROBE 110  0.230  1 0.230  (c1)  H/STROBE 110  0.230	1.44 0.44 1.96 2.27 9.471% 1.66 0.33 1.96 2.26 9.42%
LENGTH (PEF #12 A WG CO MAXIMUM V CO SIGNAL ZON TOTAL ALAF LENGTH (PEF #12 A WG CO MAXIMUM V CO SIGNAL ZON	SUBTOTAL  RM CURRENT FOR R THOUSAND FEEDPER STRANDED OLTAGE DROP CA  IE 3  LOAD  NEW SUBTOTAL  RM CURRENT FOR R THOUSAND FEEDPER STRANDED OLTAGE DROP CA  IE 4  LOAD  NEW SUBTOTAL  RM CURRENT FOR R THOUSAND FEEDPER STRANDED OLTAGE DROP CA  IE 4  LOAD  NEW SUBTOTAL	O.000  R ZONE: (a)  T): (b)  THHN/THWN = (c)  ALCULATED (VOL	0.000  C1)  TT PER UNIT (AN  STROBE-75  0.019  0.000  C1)  TTS): (d)  NT PER UNIT (AN  STROBE-75  0.019  0 0.000	0.000  MAXIMUM V  MPS)  STROBE-110  0.015  0  0.000  MAXIMUM V  MPS)  STROBE-110  0.015	O.195  OLTAGE DROP  O.065  2  O.130  OLTAGE DROP  HISTROBE -15  O.065	1.218  P CALCULATED  HISTROBE -75  0.203  6  1.218  P CALCULATED  HISTROBE -75  0.203	OHM PER 1000 FT.  (PERCENTAGE) (e)  HORN  0.011  1 0.011  OHM PER 1000 FT.  (PERCENTAGE) (e)  HORN  0.011	0.000  H/STROBE 110  0.230  1 0.230  (c1)  H/STROBE 110  0.230  0.0000	1.44 0.44 1.98 2.27 9.471% 1.68 0.34 1.98 2.20 9.42%
TOTAL ALAF LENGTH (PEF #12 AWG CO MAXIMUM VO SIGNAL ZON  TOTAL ALAF LENGTH (PEF #12 AWG CO MAXIMUM VO  SIGNAL ZON	SUBTOTAL  RM CURRENT FOR R THOUSAND FEEDPER STRANDED  OLTAGE DROP CA  IE 3  LOAD  NEW SUBTOTAL  RM CURRENT FOR R THOUSAND FEEDPER STRANDED  OLTAGE DROP CA  IE 4  LOAD  NEW SUBTOTAL  RM CURRENT FOR R THOUSAND FEEDPER STRANDED  OLTAGE DROP CA  IE 4  LOAD  NEW SUBTOTAL  RM CURRENT FOR R THOUSAND FEEDPER STRANDED	0.000  R ZONE: (a) ET): (b) THHN/THWN = (c) ALCULATED (VOL  AL	0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.019  0 0.000	0.000  MAXIMUM V  MPS)  STROBE-110  0.015  0  0.000  MAXIMUM V  MPS)  STROBE-110  0.015	O.195  OLTAGE DROP  O.065  2  O.130  OLTAGE DROP  HISTROBE -15  O.065	1.218  P CALCULATED  HISTROBE -75  0.203  6  1.218  P CALCULATED  HISTROBE -75  0.203	0.022  OHM PER 1000 FT.  (PERCENTAGE) (e)  1 0.011  OHM PER 1000 FT.  (PERCENTAGE) (e)  HORN  0.011	0.000  H/STROBE 110  0.230  1 0.230  (c1)  H/STROBE 110  0.230  0.0000	1.44 0.44 1.98 2.27 9.471% 1.68 0.34 1.98 2.26 9.42%
TOTAL ALAF LENGTH (PEF #12 AWG CO MAXIMUM VO SIGNAL ZON  TOTAL ALAF LENGTH (PEF #12 AWG CO MAXIMUM VO  SIGNAL ZON	SUBTOTAL  RM CURRENT FOR R THOUSAND FEEDPER STRANDED OLTAGE DROP CA  IE 3  LOAD  NEW SUBTOTAL  RM CURRENT FOR R THOUSAND FEEDPER STRANDED OLTAGE DROP CA  IE 4  LOAD  NEW SUBTOTAL  RM CURRENT FOR R THOUSAND FEEDPER STRANDED OLTAGE DROP CA  IE 4  LOAD  NEW SUBTOTAL	0.000  R ZONE: (a) ET): (b) THHN/THWN = (c) ALCULATED (VOL  AL	0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.000  C1)  TS): (d)  NT PER UNIT (AN  STROBE-75  0.019  0 0.000	0.000  MAXIMUM V  MPS)  STROBE-110  0.015  0 0.000  MAXIMUM V  MPS)  STROBE-110  0.015	0.195  OLTAGE DROP  OLTAGE DROP  OLTAGE DROP  OLTAGE DROP  H/STROBE -15  0.065  3 0.195	1.218  P CALCULATED  H/STROBE - 75  0.203  6  1.218  P CALCULATED  H/STROBE - 75  0.203  5  1.015	OHM PER 1000 FT.  (PERCENTAGE) (e)  HORN  0.011  1 0.011  OHM PER 1000 FT.  (PERCENTAGE) (e)  HORN  0.011	0.000  H/STROBE 110  0.230  1 0.230  (c1)  H/STROBE 110  0.230  0.0000	1.44 0.44 1.96 2.27 9.471% 1.66 0.34 1.98 2.20 9.42%

BATTER		NTROL PANEL ULATION				
	TAL	DESCRIPTION	SUPERVISORY CUI	RRFNT	ALARM CURRENT	
OLD	NEW		EACH	TOTAL	EACH	TOTAL
0	1	FIRE A LA RM CONTROL PA NEL	0.78400	0.7840	0.79400	0.7
0	65	SMOKE DETECTOR	0.00051	0.0332	0.00068	0.0
0	0	SMOKE DETECTOR BASE	0.00000		0.00000	
0	32	HEAT DETECTOR	0.00051	0.0163	0.00068	0.0
0	0	HEAT DETECTOR BASE	0.00000	,	0.00000	
0	1	PULLSTATION	0.00035	0.0004	0.00050	0.0
0	0	SOUNDER BASE	0.00000		0.03500	
0	0	DS-SFM MODULE	0.00000		0.06000	
0	1 0	REMOTE POWER SUPPLY STROBE - 15CD	0.07000	0.0700		0.0
0	0	STROBE - 75CD	0.00000		0.01490 0.02250	
0	0	STROBE - 110CD	0.00000		0.02230	
0	0	HORN/STROBE - 15CD	0.00000		0.00600	
0	0	HORN/STROBE - 75CD	0.00000		0.01360	
0	0	SPEAKER	0.00000		0.00890	
0	0	EXTERIOR SPEAKER	0.00000		0.00900	
0	2	DUCT DETECTOR	0.00051	0.0010	STEWARDS AND SECURITY TO	0.0
0	0	SYNC MODULE	0.00027		0.00000	
0	0	DOOR HOLDER	0		0.00200	
0	3	RELAY MODULE	0.001	0.0030	0.00100	0.0
TOTAL AN	1PS			0.91		1
24 HOUR S	SUPERVISO	DRY	0.91	24.00	21.79	AMP-
15 MINUTE	ALARM		0.93	0.25	0.23	AMP-
SUBTOTA	L:				22.02	AMP-
RESULTED	MINIMUM (	BATTERY CAPACITY WITH 25% SAFETY	FACTOR:		38.54	AMP-

Soland	CC B	300			ES	Т
RPS 1						
BATTER	Y CALC	ULATION				
	TAL	DESCRIPTION	SUPERVISORY CURI		ALARM CURRENT	
OLD	NEW		EACH	TOTAL	EACH	TOTAL
		FIRE A LA RM CONTROL PA NEL	0.78400		0.79400	
		SMOKE DETECTOR	0.00051		0.00068	
		SMOKE DETECTOR BASE	0.00000		0.00000	
		HEAT DETECTOR	0.00051		0.00068	
		HEAT DETECTOR BASE	0.00000	·	0.00000	
		PULLSTATION	0.00035		0.00050	
	0	SOUNDER BASE	0.00000		0.03500	
	0	DS-SFM MODULE	0.00000	'	0.06000	
	1	REMOTE POWER SUPPLY	0.07000	0.0700	0.07000	0.0700
	0	STROBE - 15CD	0.00000		0.01490	
	0	STROBE 30CD	0.00000	0.0000	0.06900	
	0	STROBE - 75CD	0.00000		0.02250	
	0	STROBE - 110CD	0.00000		0.01790	
	13	HORN/STROBE - 15CD	0.00000	0.0000	0.06000	0.7800
	6	HORN	0.00000	0.0000	0.01100	0.0660
	19	HORN/STROBE - 75CD	0.00000	0.0000	0.20300	3.8570
	2	HORN/STROBE -110CD	0.00000	0.0000	0.23800	0.4760
	3	HORN/STROBE-30CD	0.00000	0.0000	0.09300	0.2790
TOTAL AN	/IPS			0.07		6.27
24 HOUR S	SUPERVISO	ORY	0.07	24.00	1.68	AMP-HRS
5 MINUTE	Control of the Control of the Control		6.27	0.25		AMP-HRS
SUBTOTA			,		3.25	AMP-HRS
RESULTED	MINIMUM	BATTERY CAPACITY WITH 25% SAFETY	FACTOR:		4.06	AMP-HRS
BATTERY	REQUIREN	MENT:				

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

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

PROJECT

Solano CCD BLDG 300 Modernization



SOLANO COMMUNITY COLLEGE DISTRICT

CONSULTANT



expect a difference 305 South 11th Street San Jose, California 95112-2218 877.725.2755 | 877.925.1477 (f) National **Strength.** Local **Action.** 



02-120607 APPL#

No. Description Date

MILESTONES

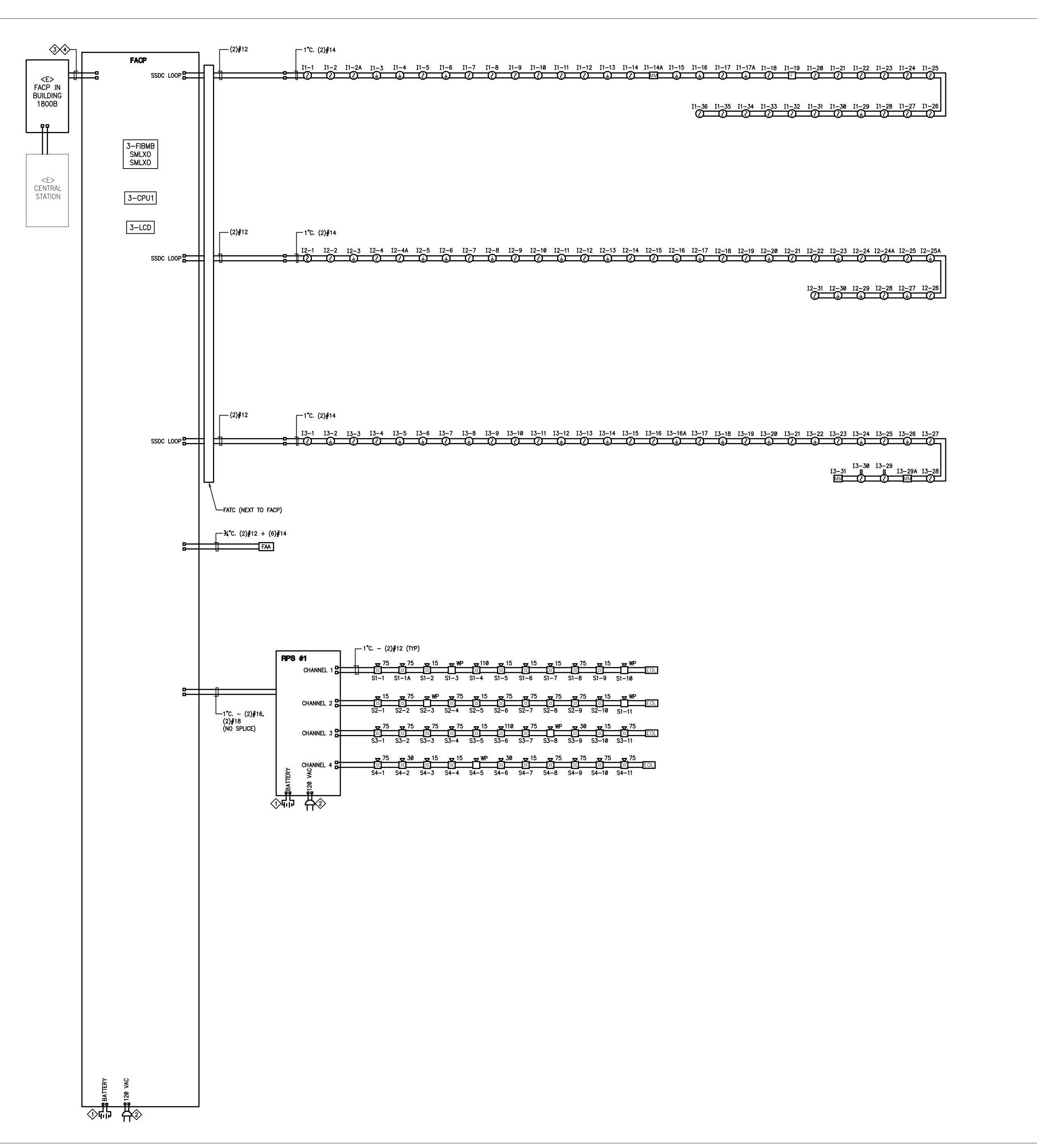
06.17.2022 08.12.2022 50% CD 09.05.2022 10.11.2022 10.28.2022 02.21.2023

BACK CHECK

**FIRE ALARM** CALCULATIONS

02.21.2023

JOB# 2022012 (SOBE 2201690)



- A. THERE SHALL BE NO SPLICING OF FIRE ALARM CONDUCTORS BETWEEN TERMINATIONS OF FIRE ALARM DEVICES, UNLESS SPECIFICALLY NOTED OTHERWISE. FIRE ALARM CONDUCTORS SHALL BE CONTINUOUS FROM DEVICE TO DEVICE. SPLICES ARE PERMITTED AT THE BUILDING FIRE ALARM TERMINAL CAN.
- B. SEE FIRE ALARM PLANS FOR LOCATION OF FIRE ALARM DEVICES/EQUIPMENT.
- C. CONTRACTOR SHALL UTILIZE CABLES, FIBER OPTIC PER MANUFACTURER'S GUIDELINES.
- D. SEE FLOOR PLANS FOR DETECTORS LOCATED ABOVE CEILING.
- E. SEE FA-0.1 FIRE ALARM SYMBOLS LEGEND.
- F. CONSULT EST GUIDELINES FOR FIBER OPTIC MEDIA INSTALLATION AND MANUFACTURER'S INSTALLATION GUIDELINES OF BEND FOR FIBER OPTIC MEDIA.

REFERENCE SHEET NOTES

CIRCUIT BREAKER LOCKOUT HANDLE FOR REMOTE POWER SUPPLY ONLY.

2. FIELD VERIFY AND PROVIDE DEDICATED 120VAC TO FACP AND RPS FROM NEAREST ELECTRICAL PANEL. LABEL CIRCUIT BREAKER PERMANENTLY WITH "FIRE ALARM CONTROL CIRCUIT", AND INSTALL RED

3. ALL ALARM SIGNALS ARE TO BE TRANSMITTED TO AN APPROVED UL LISTED SUPERVISING STATION. COORDINATED WITH DISTRICT DEDICATED LINES. CONTRACTOR TO LOCATE TELEPHONE BOARD, AND

1. SIZE BATTERIES PER BATTERY CALCULATIONS.

4. EXISTING FIBER CONNECTION TO BE REUSED.

CONNECT AS REQUIRED.

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-120607 INC: REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹 DATE: 02/17/2023



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

www.aedisarchitects.com

PROJECT

Solano CCD BLDG 300 Modernization



SOLANO COMMUNITY COLLEGE DISTRICT

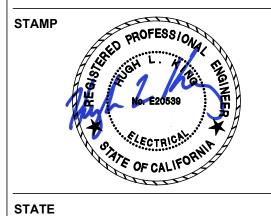
CONSULTANT



**SALASO'BRIEN** expect a difference 305 South 11th Street San Jose, California 95112-2218 877.725.2755 | 877.925.1477 (f)

National Strength. Local **Action.** 

WWW.SALASOBRIEN.COM



DSA FILE NUMBER

48-C1 02-120607 APPL# REVISIONS

Description

MILESTONES

06.17.2022 08.12.2022 09.05.2022 50% CD 90% CD 10.11.2022

10.28.2022

02.21.2023

DSA SUB BACK CHECK

FIRE ALARM **RISER DIAGRAM** 

02.21.2023 JOB# 2022012 (SOBE 2201690)